Summary Report for
Site Management Activities
Roxy Cleaners Site (442024)

Town of North Greenbush
Rensselaer County, New York

Prepared for

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A
625 Broadway
Albany, New York 12233-7015

Prepared by

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LIST OF ACRONYMS AND ABBREVIATIONS

µg/L	Microgram(s) per liter
amsl	Above mean sea level
AWQS	Ambient Water Quality Standard
COC	Contaminant of concern
CVOC	Chlorinated volatile organic compound
DCE	Dichloroethene
EA	EA Engineering, P.C. and Its Affiliate EA Science and Technology
EPA	U.S. Environmental Protection Agency
FS	Feasibility study
ft	Foot (feet)
gal	Gallon(s)
gpm	Gallon(s) per minute
I&R	Investigation and Response
lb	Pound(s)
No.	Number
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
O&M	Operations and maintenance
ORP	Oxidation-reduction potential
PCE	Tetrachloroethene
PFAS	Per- and polyfluoroalkyl substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctane sulfonate
pH	Potential hydrogen
RI	Remedial investigation
ROD	Record of Decision
RSO	Remedial System Optimization
SMP	Site Management Plan
TCE	Trichloroethene

TOC	Total organic carbon
VOC	Volatile organic compound
WA	Work assignment

1. INTRODUCTION

1.1 PROJECT BACKGROUND

The New York State Department of Environmental Conservation (NYSDEC) tasked EA Engineering, P.C. and its affiliate EA Science and Technology (EA) to perform site management activities at the Roxy Cleaners site (NYSDEC Site Number [No.] 442024), which include groundwater sampling and oversight of the groundwater treatment plant by an investigation and response (I&R) contractor. The area is located in a suburban portion of Rensselaer County in North Greenbush, New York (**Figure 1**).

This Work Assignment (WA) is being conducted under the NYSDEC State Superfund Standby Contract (WA No. D009806-06). This site management report/groundwater sampling event includes activities completed by I&R contractor (LaBella Associates, formerly known as Aztech Environmental, Inc.) and EA from January 2019 through December 2020.

1.2 SITE HISTORY

From 1959 to 1998, Roxy Cleaners, Inc. operated a dry-cleaning establishment at this site and allegedly spilled dry-cleaning solvents, which resulted in contamination of the site's soil and groundwater. In 1990, NYSDEC initiated a remedial investigation (RI)/feasibility study (FS) to determine the extent of the contamination. Contaminants were found to be tetrachloroethene (PCE), trichloroethene (TCE), and 1,2-dichloroethene (DCE).

In January 1992, a vacuum extraction system was installed at the site as an interim remedial measure to remediate the on-site source of contamination. Approximately 350 pounds (lb) of PCE were extracted from the soil above the saturated zone using this system which operated from March through November 1992.

In March 1994, a Record of Decision (ROD) was completed for the site (NYSDEC 1994). According to the ROD, the remedy includes a groundwater extraction system consisting of three pumping wells. The collected water is treated by air stripping the volatile organic compounds (VOCs) prior to discharging to the Wynantskill Creek. Vapor emissions are treated by a vapor-phase, carbon adsorption system.

A water district was formed to serve residences in the impacted area of contamination. A waterline was extended to serve the impacted area from the City of Troy along Route 66 and Main Street to the site. Waterlines were also installed along Dodge Street, Ashcroft Street, Bellmeade Street, Orchard Terrace, and Lenox Avenue. Granular activated carbon filters were installed on private water supplies and were monitored until the new waterlines were installed. After completion of the remedial work described in the Phase I RI Report (Metcalf and Eddy 1992), some contamination was left in groundwater at the site, which is hereafter referred to as "remaining contamination". In June 1995, a Long-Term Monitoring Plan was prepared for the site (Malcolm Pirnie, Inc. 1995). Subsequently, in December 2004, a Monitoring Plan for Roxy Cleaners was instituted (Malcolm Pirnie, Inc. 2004). Routine groundwater sampling has been

performed on a five-quarter basis (every 15 months) since May 2008 to capture seasonal changes in groundwater elevation. Groundwater samples were collected during 19 sampling events conducted from October 1989 to February 2016 by several contractors, and analytical results indicate that the primary contaminants of concern are PCE, TCE, and cis-1,2-DCE.

A vapor intrusion evaluation investigation was completed in April 2006 to assess if soil vapor contamination existed in the vicinity of the site. The assessment evaluated the extent to which vapors, if detected, posed a threat to human health or the environment. As a result, three sub-slab depressurization systems were installed in January 2008 (one on-site and two on properties off-site).

A Site Management Plan (SMP) (EA 2013) was prepared to manage remaining groundwater contamination at the site until the site meets remedial goals. An update to the SMP (EA 2020a) was prepared under the current WA No. D009806-06 to include any changes made to the site and sampling program throughout the previous WA (D007624-14). A Remedial Site Optimization Report (EA 2016) was prepared to address the recommendation for remedial action optimization at the site. The most recent Periodic Review Report (EA 2020b) was prepared in 2020 to document the ongoing performance, effectiveness, and protectiveness of the selected remedy at the site.

1.3 OBJECTIVES

Site activities are being performed until such time as the periodic review establishes that the ROD (NYSDEC 1994) requirements have been met, or another basis for discontinuing system operations exists. Site activities currently include the following:

- Treatment system operations and maintenance (O&M)
- Groundwater sampling
- Groundwater level monitoring.

The purpose of the treatment system O&M is to evaluate the inspection and monitoring data, and to confirm that the remedy is performing properly, remain effective, and the Monitoring Plan (Malcolm Pirnie, Inc. 2004) is being implemented. The purpose of groundwater sampling at the site is to obtain samples that are representative of the aquifer in the vicinity of the wells and to determine the concentration of contaminants in the groundwater. This ensures that analytical results reflect the composition of the groundwater as accurately as possible. Groundwater analytical results will be used to modify the SMP (EA 2020a), as necessary. Treatment system sampling and groundwater sampling will be used to monitor the effects of the pump and treat system (e.g., mass removal and hydraulic containment). The sampling program consists of collecting monthly influent and effluent samples from the treatment system and collecting groundwater samples from monitoring wells throughout the target area (up to 13 overburden and 13 bedrock monitoring wells, and 1 temporary monitoring well) every 15 months (**Figure 2**).

This report was completed to discuss the weekly treatment system O&M inspections completed during the period from January 2019 to December 2020, to summarize the groundwater sampling completed in 2020, and to discuss the results of Remedial System Optimization (RSO) activities.

1.4 REPORT ORGANIZATION

Groundwater treatment system oversight details are provided in Section 2. Groundwater sampling methods and results are presented in Section 3. Results from the sampling of private residences are presented in Section 4. A discussion of the RSO work, including trend analysis, is presented in Section 5. Conclusions and recommendations are discussed in Section 6. References are provided in Section 7.

The following are provided as appendixes:

- **Appendix A**—Treatment System Effluent Limitations
- **Appendix B**—Treatment System Inspection List
- **Appendix C**—Laboratory Analytical Data for Treatment System Sampling
- **Appendix D**—Groundwater Well Sampling Forms
- **Appendix E**—Laboratory Analytical Data, Form I's, Chain-of-Custody for Groundwater Sampling
- **Appendix F**—Historical Groundwater Analytical Data Trends.

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2. GROUNDWATER TREATMENT SYSTEM OVERSIGHT

2.1 TREATMENT SYSTEM OPERATIONS AND MAINTENANCE ACTIVITIES

The groundwater recovery and treatment system consists of three recovery wells and a shallow tray air stripper system. VOCs stripped from the groundwater are removed from the stripper exhaust air stream by granular activated carbon filters. The Roxy Cleaners treatment building is located on the north side of the former Roxy Cleaners building. Access to the treatment building is from Orchard Terrace, a local street which runs north from New York State (NYS) Route 66 west (**Figure 2**).

The three recovery wells are identified below:

- Recovery well RW-1 is a bedrock well located on the west side of the Roxy Cleaners building.

- Recovery well RW-2 is located adjacent to RW-1. This well withdraws water from the shallow aquifer in the overburden.

- Recovery well RW-3 is a bedrock well located on the south side of NYS 66 approximately 750 feet (ft) west of the Roxy Cleaners site, and about 75 ft southeast of the intersection of NYS Route 66 and Dodge Street.

Each of the recovery wells is equipped with a submersible well pump driven by a variable speed motor. The power and controls for these pumps originate at panels mounted in the treatment building located on the north side of the former Roxy Cleaners building. The electric power and control wiring are carried by conduits installed in the pipe trenches from the wells to the building.

Water pumped from the three recovery wells enters the treatment building in three separate pipelines. After passing through cartridge type water filters and individual flow meters, the flow from the three wells is combined in a single pipe, which leads to the top of the air stripper.

The air stripper consists of six trays mounted one above the other. The bottom of each tray contains a large number of small holes. Air is blown into the bottom of the air stripper and passes upward through these holes as the water flows over the trays in a thin layer and down through the air stripper unit. VOCs in the water are transferred into the air as it bubbles upward through the water. This air, with its accompanying VOCs, exits through the top of the air stripper and is carried in a duct to granular activated carbon filters which adsorb the contaminants. The purified air then passes out of the building through an exhaust stack. The water flows down through the trays to a compartment at the bottom of the air stripper and exits the building in a drainpipe.

Treated groundwater is discharged to the Wynantskill Creek on the south side of NYS Route 66 via a storm drain located on Orchard Terrace and is managed by a NYS SPDES permit equivalent. Treated groundwater samples are collected and sent to the NYSDEC laboratory for analysis of VOCs, metals, total suspended solids, and total dissolved solids. Analytical results are

compared to the effluent limitations and monitoring requirements established for the system (**Appendix A**) to ensure the treatment system is running effectively.

Procedures for operating and maintaining the groundwater pump and treat system are documented in the O&M Plan (Section 4 of the SMP [EA 2020a]). Weekly site inspections were conducted by Labella Associates, the I&R contractor. A site inspection form is completed as part of each inspection. Operating conditions at the site and any routine maintenance conducted are recorded on this form. Quarterly O&M activities are summarized in Quarterly Treatment System Site O&M Reports.

O&M activities included in this summary report were completed from 4 January 2019 to 31 December 2020. A summary of all the weekly inspections, maintenance, and monitoring activities is presented in the site inspection forms included in **Appendix B**. The following sections discuss the treatment system O&M for the period covered in this report.

2.2 TREATMENT SYSTEM MAINTENANCE

The treatment system was operational with minimal interruption from 4 January 2019 to 14 August 2020. Due to power outages, the system was down for periods of time during the weeks of 8 February and 9 August 2019. The system was restarted after each power outage. System down on arrival on 28 June 2019; the knock-out tank was drained, and the system was restarted. A new stripper blower was installed on 8 February 2019. The pump for recovery well RW-3 was observed to be in thermal overload during visits on 15 and 22 February 2019; however, the system was running. The pump could not be pulled on 15 February 2019 due to snow piles covering the well. On 22 February 2019, the pump's variable frequency drive was reset, and the pump was restarted. The pump was not observed to be in thermal overload following this restart.

The system was down from 14 through 28 August 2020 due to overfill and pressure issues with the air stripper. The air stripper was cleaned and restarted on 25 August 2020. On 28 August 2020, the system was down due to low air pressure in the air stripper, likely resulting from the clean and only running one of the three recovery wells. The discharge value was closed slightly to increase pressure within the system, which resolved the issue. The system continued to run uninterrupted through the beginning of December, when the system was down upon arrival on both 4 December and 11 December 2020 due to sump overfill. After restarting the system on 11 December 2020, it ran uninterrupted through the end of the monitoring period on 31 December 2020.

There were several intervals during this reporting period where one or more recovery wells were shut off, but the system continued to operate. The connection between the treatment system and the RW-1 transducer was accidentally cut during installation of the injection well INJ-2 on 15 March 2019. The connection was later restored in June 2019. Following the August 2019 pilot study injections, the overburden recovery wells were shut off to allow the injectate to propagate. RW-1 and RW-2 were shut off on 17 January and 15 May 2020, respectively. Both recovery wells RW-1 and RW-2 are still shutdown for this reason.

2.3 TREATMENT SYSTEM OPERATIONS

A total of 3,686,372 gallons (gals) of water were treated during the period from 4 January 2019 to 4 December 2020 and discharged to the Wynantskill Creek. The breakdown of treated volumes from each recovery well included 3,126,387 gal from RW-3 (84.81 percent of total), 555,055 gal from RW-2 (15.06 percent of total), and 4,930 gal from RW-1 (0.13 percent of total). The average discharge flow rate was 6,332 gal per day, or 4.40 gal per minute (gpm).

2.4 MONITORING ACTIVITIES

Aqueous samples (system influent and effluent) were collected on a monthly basis from January 2019 to December 2020.

2.4.1 State Pollutant Discharge Elimination System Monitoring

State Pollutant Discharge Elimination System effluent samples were collected from the air stripper discharge and submitted to the NYSDEC Division of Environmental Remediation Laboratory, Albany, New York, for the analysis of VOCs by U.S. Environmental Protection Agency (EPA) Method 601.

The contaminant values for the effluent sample were less than the stated discharge limitations for all analyzed chemicals.

2.4.2 Treatment System Influent Sampling and Analysis

Influent samples provide a basis for determining the mass of contaminants recovered from groundwater at the wells and are also used in determining the removal efficiency of the air stripper system. Influent samples were collected from the three individual recovery wells (RW-01, RW-02, and RW-03). Samples were collected from the influent lines from each of the three extraction wells in conjunction with the treatment system effluent samples. The results of these analyses are included in **Appendix C** and summarized in **Table 1A**. Samples have not been analyzed for metals since March 2012 (**Table 1B**).

2.4.3 Treatment System Sample Results

Analytical results for the recovery well samples were evaluated to determine the amount of contaminants removed from groundwater and to graph the trends in the recovery well contaminant concentrations. During the 2019 – 2020 reporting period, cis-1,2,-DCE removal ranged from 0.0001 lb/day to 0.0011 lb/day, PCE ranged from 0.0019 lb/day to 0.0373 lb/day, and TCE removal ranged from 0.0001 lb/day to 0.0004 lb/day. For comparison, during the 2018 reporting period, removals for each of these analytes was about the same as the combined 2019 and 2020 period. The lower removal rates in 2019 – 2020 are the result of recovery wells RW-1 and RW-2 being shut off in early 2020. The total contaminants removed during the period of this report are summarized in **Table 2**. Trend graphs for recovery well contaminant concentrations are included as **Figure 3**.

Analytical results from the influent and effluent samples demonstrate that the system is effectively removing the contaminants from the treated groundwater.

3. LONG-TERM GROUNDWATER MONITORING

In order to provide the data for compliance monitoring, groundwater sampling is performed on a five-quarter basis (every 15 months) to capture seasonal changes in groundwater elevation. The site includes a network overburden and bedrock groundwater monitoring wells that are currently used to monitor plume migration and provide a line of evidence necessary to demonstrate the effectiveness of the groundwater remediation. A total of 26 groundwater wells were included in the 2020 groundwater monitoring event, including the 23 monitoring wells included in the program, per the 2020 SMP update (EA 2020a), and three injection wells (INJ-1, INJ-2, and INJ-3) installed in April 2019 as part of RSO activities at the site. Two monitoring wells have had obstructions since at least 2013 and are no longer sampled (MW-5B and MW-102). Both wells are near other wells with similarly screened intervals that are currently included in the sampling program.

The groundwater sampling event completed in August 2020 is discussed below.

3.1 MONITORING WELL INSPECTIONS

Monitoring wells were inspected prior to gauging and sampling, and their condition was noted on the groundwater purge forms. During the August 2020 well inspections, 23 monitoring wells were located and inspected. As in the past, two monitoring wells (MW-101 and MW-102A) were not located. Location MW-101 has not been found since it was last sampled in 2014 and MW-102A has not been found since it was last sampled in 2016. Inspection results are provided in **Table 3**.

3.2 GROUNDWATER GAUGING

Groundwater levels were recorded at each monitoring well in August 2020, prior to the initiation of groundwater sampling to determine groundwater flow patterns in the overburden and bedrock and evaluate cones of influence created by the treatment system recovery wells. Depth to groundwater was measured from the top of the inner polyvinyl chloride casing using a water-level indicator. Groundwater depths and calculated groundwater elevations for each monitoring well location are provided in **Table 3**.

3.2.1 Overburden Monitoring Recovery Well Capture Zone

Groundwater elevations ranged from a high of 350.41 ft above mean sea level (amsl) (MW-1) to a low of 340.02 ft amsl (MW-105A). An interpreted overburden groundwater potentiometric surface map illustrating the direction of groundwater flow is shown on **Figure 4A**. Groundwater flow in overburden mimics topography, with flow in a westerly direction and a calculated horizontal gradient of 0.0125 ft/ft across the site.

3.2.2 Bedrock Monitoring Recovery Well Capture Zone

Groundwater elevations ranged from a high of 350.54 ft amsl (MW-1B) to a low of 338.56 ft amsl (MW-109). The interpreted groundwater flow pattern in bedrock is shown on **Figure 4B**. Groundwater flow in bedrock mimics topography, with flow in a westerly direction and a calculated horizontal gradient of 0.0125 ft/ft across the site. Interpolated bedrock groundwater contours indicate that there is a slight depression in groundwater elevations near RW-3 resulting from groundwater extraction.

3.3 GROUNDWATER SAMPLING

A total of 24 groundwater samples (plus two duplicate samples) were collected from the monitoring well network on 10 and 11 August 2020. Two monitoring wells (MW-101 and MW-102A) were not located. Monitoring wells were purged using a peristaltic pump, with a flow rate of approximately 0.3 liters per minute. Dedicated polyethylene tubing was used at each monitoring well location. Non-dedicated sampling equipment (i.e., the water-level indicator) was decontaminated between well locations to prevent cross-contamination.

Water quality parameters including temperature, potential hydrogen (pH), oxidation-reduction potential (ORP), conductivity, dissolved oxygen, and turbidity were monitored during purging using a Horiba U-52 water quality monitoring system with flow-through cell. In addition, the depth to water was measured throughout purging using a water level indicator. Water quality parameters and water levels were recorded on groundwater sampling purge forms provided in **Appendix D**.

Wells were purged until the field parameters stabilized at which time groundwater samples were collected for analysis of VOCs. Field parameters were considered stable when the following conditions were met for three consecutive readings:

- pH readings within ± 0.1 pH units
- ORP within ± 10 mV
- Dissolved oxygen within 0.3 milligrams per liter
- Specific conductance within ± 3 percent
- Turbidity measurements less than 50 nephelometric turbidity unit.

Due to rust from the steel casing, turbidity readings did not drop below 50 nephelometric turbidity units at MW-1B. The presence of rust has been an ongoing issue in MW-1B for the last three sampling efforts. Turbidity readings also did not drop below 50 nephelometric turbidity units at injection wells INJ-2 and INJ-3. Water at INJ-2 and INJ-3 contained excessive air bubbles as a result of the bioremediation reactions, which interfered with the optical turbidity sensor in the water quality meter. Groundwater samples were collected from these locations after all other parameters had stabilized.

Groundwater samples were collected using clean nitrile gloves and placed in laboratory supplied bottle ware containing appropriate preservatives. Samples were placed on ice in sample coolers immediately after collection to ensure proper preservation. Pertinent sample information was recorded on the associated chain-of-custody, and samples were shipped offsite under secure chain-of-custody protocol. VOC samples were shipped to Eurofins TestAmerica in Amherst, New York. Groundwater samples were analyzed for VOCs by EPA Method 8260B.

3.4 GROUNDWATER ANALYTICAL RESULTS

3.4.1 Overburden Monitoring Wells

Twelve overburden monitoring wells were sampled during the August 2020 sampling event (MW-1, MW-2, MW-3, MW-4, MW-101A, MW-103A, MW-105A, MW-106A, MW-107A, MW-108A, MW-111, and temporary well TW-5). Cis-1,2-DCE and PCE were the only analytes of concern detected at concentrations greater than its respective Ambient Water Quality Standards (AWQS). Groundwater analytical data for the August 2020 sampling event are summarized in **Table 4** and shown on **Figure 5**. Isopleths for PCE in the overburden wells are depicted on **Figure 6**. A summary of analytical results for the overburden monitoring well network is provided below. The analytical laboratory report is included as **Appendix E.**

PCE was detected in five overburden wells (MW-2, MW-103A, MW-107A, MW-111, and TW-5) with concentrations ranging from an estimated 4.2 micrograms per liter (μg/L) (MW-111) to 81 μg/L (MW-103A). In addition to MW-103A, concentrations were greater than the AWQS at three other locations: MW-2 with a concentration of 43 μg/L, MW-107A with a concentration of 13 μg/L, and TW-5 with a concentration of 28 μg/L.

TCE was detected at three overburden wells (MW-103A, MW-107A, and TW-5) at concentrations ranging from 1.4 to 4.2 μg/L. None of the TCE concentrations exceeded the AWQS of 5 μg/L.

Cis-1,2-DCE was detected at five overburden wells (MW-2, MW-101A, MW-103A, MW-107A, and TW-5) at concentrations ranging from 1.2 μg/L at TW-5 to 9.4 μg/L at MW-103A, where it exceeded the AWQS of 5 μg/L. In addition to MW-103A, concentrations were greater than the AWQS at two other locations: MW-2 with a concentration of 5.2 μg/L and MW-101A with a concentration of 8.0 μg/L.

Vinyl chloride was detected only at MW-101A, at a concentration of 1.6 μg/L.

3.4.2 Bedrock Monitoring Wells

Nine bedrock monitoring wells were sampled during the August 2020 sampling event (MW-1B, MW-2B, MW-3B, MW-4B, MW-104, MW-105, MW-106, MW-108, and MW-109). No analytes of concern were detected at concentrations greater than their respective

AWQS. Groundwater analytical data are summarized in **Table 4** and detailed in **Figure 5**. A summary of analytical results for the bedrock monitoring well network is provided below.

TCE, cis-1,2-DCE, and vinyl chloride were not detected in groundwater samples collected from any of the bedrock wells sampled in August 2020. PCE was detected at one location, MW-108, with a concentration of 1.1 μg/L, which is below the AWQS of 5 μg/L.

3.4.3 Bedrock Injection Wells

The three bedrock injection wells were sampled during the August 2020 sampling event (INJ-1, INJ-2, and INJ-3). Groundwater analytical data are summarized in **Table 4** and detailed in **Figure 5**. A summary of analytical results for the bedrock injection well network is provided below.

PCE was detected in two of the injection wells at concentrations above the AWQS: 14 μg/L at INJ-1 and 120 μg/L at INJ-3. TCE was detected in all three injection wells at concentrations above the AWQS ranging from 20 to 32 μg/L. Cis-1,2-DCE was detected in two of the injection wells at concentrations above the AWQS: 44 μg/L at INJ-1 and 190 μg/L at INJ-2. Vinyl chloride was detected only at INJ-1, at a concentration of 10 μg/L above the AWQS.

3.5 HISTORICAL GROUNDWATER RESULTS

Available historical data, as supplied by the NYSDEC, were tabulated and reviewed as part of the work assignment for this site and are presented in **Table 5**. Only the contaminants of concern (i.e., PCE, TCE, and cis-1,2-DCE) were tabulated as determined from past investigations and present data. The available data for the Roxy Cleaners site includes 21 groundwater sampling events completed from October 1989 to August 2020. Trend graphs for available historical analytical data at monitoring wells with contaminant of concern concentrations greater than the AWQS are provided in **Appendix F**.

Historical data reveal that eleven monitoring wells (MW-2, MW-101, MW-101A, MW-103, MW-103A, MW-105A, MW-107, MW-107A, MW-108, MW-111, and TW-5) have had concentrations of one or more analytes (PCE, TCE, and cis-1,2-DCE) greater than the AWQS standard of 5 μg/L, and ten additional wells (MW-2B, MW-3B, MW-108, MW-108A, MW-3, MW-102, MW-102A, MW-104, MW-105, MW-106) have had detections of one or more analytes below the AWQS.

3.5.1 Emerging Contaminants

Previously, on 3 December 2018, EA performed groundwater sampling for PFAS and 1,4-Dioxane in accordance with EPA Method 537 at six site monitoring wells (MW-1, MW-1B, MW-2, MW-2B, MW-111, and MW-107A). Sampling results were reported in a memorandum dated 2 April 2019. The samples collected from monitoring wells MW-111, MW-2, and MW-107A had concentrations exceeding the NYS Department of Health MCL of 10 ppt for PFOS (74 ppt, 20

ppt, and 13 ppt, respectively). No samples exceeded the NYS Department of Health MCL of 10 ppt for PFOA or the 1,4-dioxane guidance value of 0.35 ppb.

3.6 SUMMARY OF ANALYTICAL RESULTS

Both present and available historical data (**Tables 4** and **6**) were reviewed to analyze notable trends in CVOC concentrations, with the primary focus on the contaminants of concern: PCE, TCE, and cis-1,2-DCE. Historical analytical trend graphs (**Appendix F**) indicate that the overall concentrations of PCE, TCE, and cis-1,2-DCE have decreased in monitoring wells, particularly in the vicinity of the site where injections of CarBstrate™ occurred in August 2019 (discussed further in Section 4). As PCE and TCE are being reduced, several wells are displaying increases in concentrations of daughter products (cis-1,2-DCE and vinyl chloride), as expected when reducing conditions are present in the groundwater.

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4. RESIDENTIAL WATER SAMPLING

The NYSDEC collected water samples from four downgradient residential properties along Main Avenue ([redacted]) in December 2019 to be analyzed for per- and polyfluoroalkyl substances (PFAS) via method ISO 25101:2009 (list of six analytes). These properties were selected for sampling given that they are downgradient of the site outside of the plume and on private wells. Samples from [redacted], and [redacted] Main Ave. were collected from water taps in the kitchen and the sample from [redacted] Main Ave was collected from a sampling port off of the water tank. Analytical results from the PFAS sampling event are presented in **Table 6** and analytical reports are included in **Appendix E**.

On May 19, 2016, EPA issued a lifetime health advisory of 70 parts per trillion (ppt) for long-term exposure to perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) in drinking water. In 2020, the New York State Department of Health established a maximum contaminant level (MCL) of 10 ppt for both PFOA and PFOS separately in 2020. All PFAS results from the residential sampling were significantly below applicable standards.

Additional residential sampling occurred on 5 November 2020 from three properties on Main Avenue ([redacted]). The samples from [redacted] and [redacted] Main Ave were collected via an outdoor spigot. The sample from [redacted] Main Ave was once again collected from the sampling port off of the water tank. Samples were analyzed for VOCs via drinking water method EPA 524.2. There were no VOCs detected in any of the three samples collected indicating that the properties are indeed outside of the influence of the dissolved phase CVOC plume. Analytical reports are included in **Appendix E**.

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5. REMEDIAL SYSTEM OPTIMIZATION EVALUATION

This section describes activities which were implemented in order to help decrease the treatment time necessary to meet closure requirements at the site. After evaluation of the existing remedial system effectiveness, the groundwater pump and treat system appeared to be controlling migration of the groundwater contamination and reducing concentrations of contaminants of concern (COCs) in groundwater, however it was recommended that additional remedial alternatives be considered to improve and/or accelerate the reduction of COC concentrations. The Remedial Site Optimization Report recommended in situ biological injections to advance the site to remedial goals (EA 2016).

5.1 REMEDIAL SYSTEM OPTIMIZATION ACTIVITIES

Based on the approved Remedial Site Optimization Report (EA 2016) and Pre-Design Investigation and In Situ Biological Injection Work Plan Memorandum (EA 2019), EA completed the subsurface injection of an organic substrate (CarBstrate™) to stimulate direct anaerobic reductive dechlorination of chlorinated VOCs (CVOCs) present in groundwater at the site.

EA injected CarBstrate™ into both the overburden and bedrock aquifers at the site from 14 through 21 August 2019 as part of a pilot study. A total of 10,000 lb of CarBstrate™ was injected into the subsurface, 4,000 lb into the overburden via injection trenches and 6,000 lb into the bedrock via injection wells. A total of three bedrock wells (INJ-1, INJ-2, and INJ-3) and two overburden trenches (T-1 and T-2) were used for the CarBstrate™ injections (**Figure 2**). The original target injectate amount was 2,000 lb of CarBstrate™ per well/trench, however, due to a lower than anticipated flow rate at INJ-3, only 1,000 lb was injected into INJ-3. Therefore, an additional 500 lb were added to INJ-1 and INJ-2.

The existing pump and treat system continued to operate during and after injection activities to contain the CVOC plume and to facilitate the mobilization of the CarBstrate™ within the subsurface and through the treatment area. EA monitored the recovery wells closest to the injection locations, RW-1 and RW-2, on a weekly basis by collecting conductivity, dissolved oxygen, oxidation reduction potential and pH readings until the presence of CarBstrate™ was observed at the extraction wells. Once water quality data, including total organic carbon (TOC) measurements, indicated that CarBstrate™ had reached RW-1 and RW-2, they were shut off to allow the CarBstrate™ to propagate further in the aquifer. RW-3 continued to operate during and after the pilot study as there was no indication that CarBstrate™ had reached the well.

5.2 PERFORMANCE MONITORING

5.2.1 Performance Monitoring Sampling

Influent treatment system samples from recovery wells RW-1 (overburden), RW-2 (bedrock), and RW-3 (downgradient) were used to monitor the effectiveness of the bioremediation pilot study. As discussed in Section 2.4.2 of this report, these samples are collected from the influent lines

from each of the extraction wells on a monthly basis. The results of these analyses are included in **Appendix C** and summarized in **Table 1A**.

From October 2019 through December 2020, samples collected from the recovery wells were also analyzed for TOC to help evaluate biodegradation occurring as a result of the pilot study injection. General chemistry parameters (ammonia, total kjeldahl nitrogen, total dissolved solids, biochemical oxygen demand, total suspended solids, and pH) were collected from all three recovery wells as part of the August 2020 sampling effort. TOC concentrations and general chemistry parameter results are shown on **Table 7**. TOC is a measurement of organic carbon which is important in sustaining the microbial populations necessary for the bioremediation of organic contaminants. While there is not pre-injection TOC data available, the results presented in **Table 7** suggest that the injections were successful in altering the TOC concentrations in the treatment area and treatment zone depths surrounding RW-1 through January 2020, given that after a period of time TOC concentrations fluctuated and began trending downward for the remainder of 2020, likely back toward what the concentrations were prior to injection.

5.2.2 Trends

Analytical results from RW-1, RW-2, and RW-3 collected on a monthly basis from November 2010 through November 2020 are shown on **Table 1A**. PCE, TCE, DCE, and vinyl chloride analytical results from April 2019 through November 2020 from each recovery well were plotted to evaluate trends in CVOC concentrations immediately before and after the CarBstrate™ injections. **Figure 7A** shows trends in influent analytical results from RW-1, **Figure 7B** shows trends in RW-2, and **Figure 7C** shows trends in RW-3.

Depletion of PCE and TCE concentrations coupled with substantial increase in DCE (a daughter product of PCE and TCE dechlorination) and emergence of vinyl chloride (another daughter product) indicates active dechlorination of PCE and TCE in response to CarBstrate™ injections. This pattern of results emerges in results for RW-1 in September 2019 and continues to be seen through November 2020 results (**Figure 7A**). This indicates that dechlorination is occurring in the overburden aquifer. Concentrations of PCE and TCE were below groundwater AWQS from April 2020 through the end of the reporting period (December 2020). Daughter products DCE and vinyl chloride increased after injection and then began to decrease in the following months; with concentrations fluctuating between non-detect and just above AWQS between April and December 2020.

CVOC concentrations in the shallow bedrock initially increased following the injections (**Figure 7B**). The pressure injections performed at the three bedrock injection wells may have redistributed contaminants in the vicinity of the plume. Concentrations of PCE and TCE at RW-2 began to decrease in November 2019. This was followed by a corresponding increase in DCE in June 2020, and emergence of vinyl chloride in also in June 2020. These results indicate that dechlorination is also occurring in the bedrock. Overall, concentrations of CVOCs at RW-2 have decreased, but continue to fluctuate between being above and below the AWQS.

Concentrations of CVOCs at RW-3 remain consistent with historical results (**Figure 7C**), with PCE consistently above the AWQS of 5 µg/l. TCE and DCE continue to be detected, with some exceedances of the AWQS. Vinyl chloride has not been detected in RW-3 since monitoring began in November 2010. RW-3 is located northwest of the site and is operated to contain the most downgradient portion of the CVOC plume. Being outside the 2019 targeted treatment area, this area was not influenced by the CarBstrate™ application.

5.2.3 Molar Concentration

In addition to evaluating groundwater concentration trends, molar concentrations were evaluated to determine in situ changes in CVOC parent/dechlorination products. The molecular weights of primary CVOCs (PCE and TCE) and dechlorination products (cis-1,2-DCE and VC) differ from each other, with dechlorination products having progressively lower molecular weights. Because of molecular weight variability, the reductive transformation of a mass of PCE, will not yield an identical mass of TCE (e.g., anaerobic dechlorination of 100 µg/L of PCE would produce 84 µg/L of TCE). Conversion of conventional groundwater concentrations (e.g., µg/L) to molar concentrations (micromoles per liter) enables assessment of the degree to which reductive transformation is occurring, because transformation of 1 mole of PCE yields 1 mole of TCE and so forth throughout the daughter compounds. The conversion is calculated by dividing the reported conventional groundwater concentration by the molecular weight of the compound. Decreases in the molar concentration of total CVOCs indicate that chlorinated mass is being lost and that significant transformation of these compounds to non-toxic end products (ethene/ethane) is occurring.

Figure 8 presents a summary of the molar concentration of total chlorinated ethene (PCE, TCE, cis-1,2-DCE, and vinyl chloride) at recovery wells RW-1, RW-2, and RW-3. Decreases in molar concentration had been observed at both RW-1 and RW-2 following the August 2019 injection, which suggests that contaminant mass had been converted to innocuous end products (e.g., ethene). During the monitoring period, it was observed that total molar concentrations (predominantly cis-1,2-DCE and VC) increased at monitoring wells RW-1 and RW-2, then decreased to concentrations below those observed prior to the injection. It is likely that the bulk of the CarBstrate™ injected during the pilot study has been consumed at this time and that going forward, decreases in the CVOC concentrations are likely the result of natural attenuation. This will be discussed further in the forthcoming Periodic Review Report for 2021 after the next site-wide sampling effort is complete. As noted above, molar concentrations of CVOCs at RW-3 remain consistent throughout the post-injection monitoring period, to be expected given that the well is outside of the treatment area.

5.3 PILOT STUDY CONCLUSIONS

During the pilot study performance monitoring period, concentrations of CVOCs were reported in locations west and southwest of the treatment area. Results from post-injection groundwater sampling indicated that concentrations of PCE and TCE were reduced within the treatment area suggesting that the pilot study injection created favorable geochemical conditions in the groundwater to promote degradation. PCE and CVOC concentrations at wells outside of the

treatment area remained similar to historical concentrations; suggesting the substrate injection process did not displace impacted groundwater to areas inside or outside of the target treatment area.

While reduction was noted in the target treatment area, groundwater analytical results from the August 2020 sampling event and the monthly recovery well sampling did indicate that site COCs at several overburden locations within the plume, including MW-2, TW-5, MW-101A, MW-103A, and MW-107A remained at concentrations greater than their respective AWQS. Daughter compounds commonly produced during the anaerobic reductive dechlorination process were consistently detected at site monitoring wells during post-injection monitoring indicating that contaminant breakdown is occurring and may have been stimulated by the injection. Overall, favorable results were observed in the targeted treatment zone during the pilot study suggesting a full-scale plume-wide application of CarBstrate^{TM} could be implemented to significantly reduce the remedial timeframe for the Site. As an alternate to a full-scale plume-wide application, a passive reactive barrier could be installed at the plume toe to contain the plume and prevent further contaminant migration.

6. CONCLUSIONS AND RECOMMENDATIONS

This section describes activities which are recommended in order to improve overall site management.

6.1 GROUNDWATER TRENDS AND INJECTION PILOT STUDY

Analytical trend graphs indicate that the overall concentrations of PCE, TCE, and cis-1,2-DCE have decreased in monitoring wells, particularly in the vicinity of the site where injections of CarBstrate™ occurred in August 2019. As PCE and TCE are being reduced, several of the wells showing decreases in PCE and TCE are also displaying increases in concentrations of daughter products (cis-1,2-DCE and vinyl chloride), as expected when reducing conditions are present in the groundwater. Injections appear to have been effective in the targeted pilot study treatment zone as evidenced by this breakdown of PCE into daughter products and overall reductions in CVOC mass both in the recovery wells monitored monthly and in the wells sampled every 15 months. CVOC concentrations in MW-103A, near the contamination point of origin at the Roxy site, showed a marked decrease from the 2018 to the 2020 sampling event.

Though they have decreased over time, concentrations of PCE in downgradient monitoring wells MW-2, TW-5, and MW-107A have consistently remained above the AWQS throughout the site sampling history. Based on the reduction of COCs in the pilot study treatment area following the CarBstrate™ injections, additional injection downgradient may be warranted in order to stimulate reducing conditions in the area of RW-3 (the leading edge of the plume) where PCE concentrations remain fairly unchanged over the past ten years (**Tables 1A** and **5**).

6.2 TREATMENT SYSTEM

As described in the ROD (NYSDEC 1994), the primary goals of the groundwater pump and treat system are:

- Reduce the mass and concentration of contaminants in the groundwater.
- Control migration of the groundwater contamination.

Based on historical analytical trend graphs (**Appendix F**), analytical data suggest that the groundwater treatment system is not efficient in reducing contaminant mass at the site. At this time, the treatment system is primarily providing plume containment. Overall concentrations of chlorinated VOCs in the vicinity of the site are being reduced, however this is attributed to the pilot study injection that was completed in August 2019 that were successful in stimulating the reducing conditions in the targeted treatment area.

Downgradient of the source area, wells in the dissolved plume between the site and RW-3 continue to show detections of PCE above the AWQS. Wells located hydraulically downgradient of RW-3 did not show detections of CVOCs during the August 2020 sampling effort. While reductions of CVOC concentrations in the dissolved plume have been noted, Additional remedial

action in the area in the form of a full-scale injection could supplement the plume containment work that RW-3 continues to perform. Continued groundwater sampling is necessary to evaluate the effectiveness of RW-3 on the downgradient portion of PCE impacts.

6.3 RESIDENTIAL WATER SAMPLING

Water samples collected from downgradient residential properties along Main Avenue (including [redacted] Main Ave) in December 2019 were analyzed for PFAS and in November 2020 were analyzed for VOCs. All PFAS results from residential properties were significantly below applicable standards. There were no detections in any of the residential samples collected for VOC analysis indicating that the properties are outside of the influence of the dissolved phase CVOC plume. It is recommended that all four properties be connected to public water supply to remove them as potential receptors from upgradient contaminated groundwater.

7. REFERENCES

EA Engineering, P.C. and its affiliate EA Science and Technology (EA). 2013. *Draft Site Management Plan. Roxy Cleaners Site, Rensselaer County, New York.* October.

———. 2016. *Remedial Site Optimization Report for Roxy Cleaners Site (442024), Town of Greenbush, Rensselaer County, New York.* January.

———. 2019. *Pre-Design Investigation and In Situ Biological Injection Work Plan Memorandum. Roxy Cleaners Site, Rensselaer County, New York.* January.

———. 2020a. *Draft Site Management Plan. Roxy Cleaners Site, Rensselaer County, New York.* March.

———. 2020b. *Draft Periodic Review Report. Roxy Cleaners Site, Rensselaer County, New York.* September.

Malcolm Pirnie, Inc. 1995. *Final Long-Term Monitoring Plan. Roxy Cleaners Site, Town of North Greenbush, Rensselaer County, New York. Site I.D. No. 442024.* June.

———. 2004. *Monitoring Plan. Roxy Cleaners, Rensselaer County. NYSDEC Site No. 442024.* December 7.

Metcalf and Eddy of New York, Inc. *1992. Phase I Remedial Investigation Report – Volume 1.* November.

NYSDEC. 1994. *Record of Decision. Roxy Cleaners Site (Site No. 442024), Town of North Greenbush, Rensselaer County, New York.* March.

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Figures

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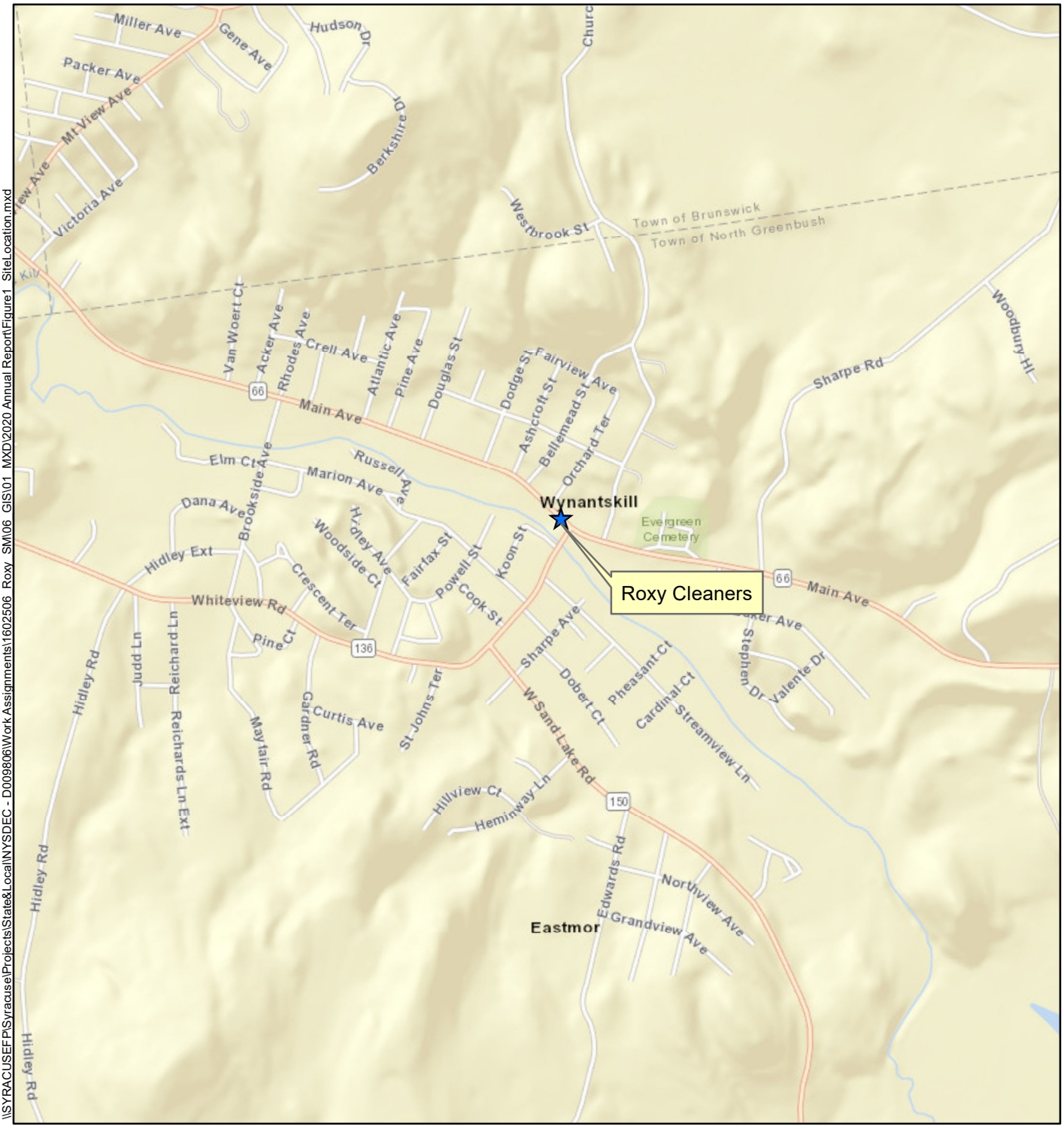

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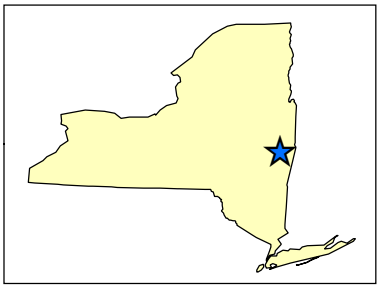

0 0.125 0.25 0.5
Miles

N

Legend

★ Site Location

Figure 1
SITE LOCATION MAP
Roxy Cleaners Site (Site No. 442024)
Annual Summary Report
North Greenbush, New York

Map Date: 12/8/2020
Projection: NAD_1983_StatePlane_New_York_East_FIPS_3101_Feet

NEW YORK STATE OF OPPORTUNITY Department of Environmental Conservation

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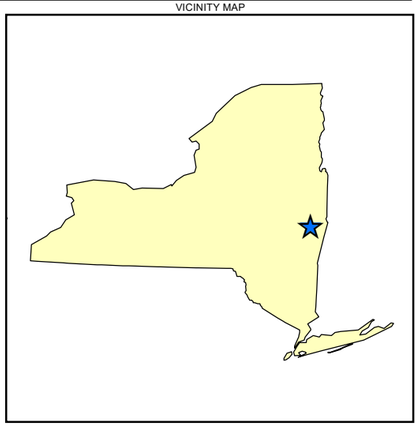
VICINITY MAP



Legend

- Overburden Monitoring Well
- Bedrock Monitoring Well
- Recovery Well
- Bedrock Injection Well
- Injection Trench
- Roxy Cleaners Parcel

Map Date: 12/8/2020
Source: ESRI, 2011
Projection: NAD 1983 State Plane New York East

N

0 120 240
Feet

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

Figure 2
MONITORING WELL LOCATIONS
Roxy Cleaners Site (Site No. 442024)
Annual Summary Report
North Greenbush, New York

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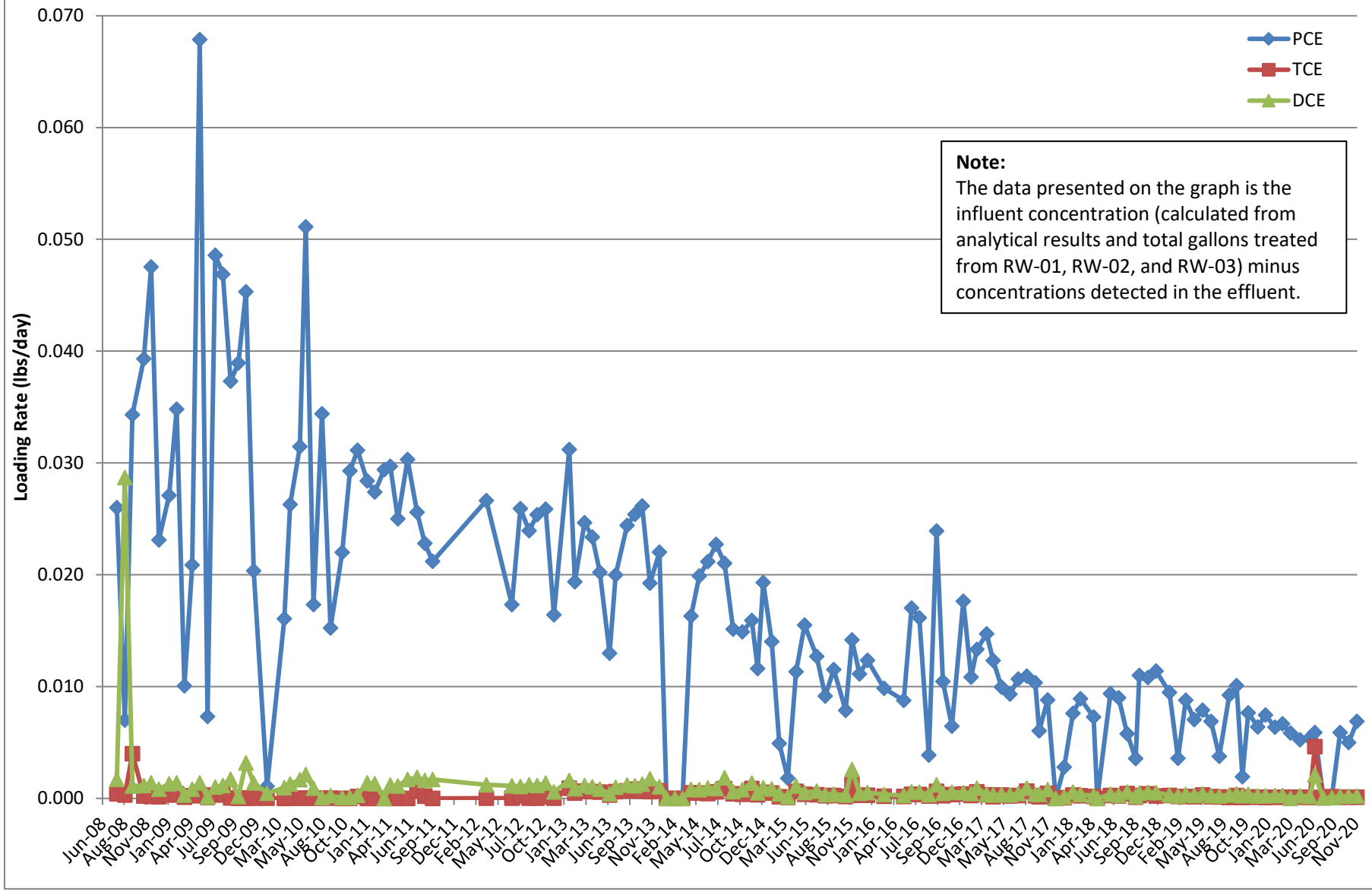
Figure 3
July 2008 - December 2020 Mass Removal Results



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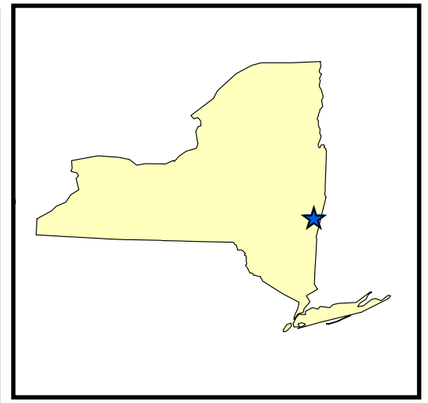

Legend

- Overburden_GWContour_Aug2020
- Overburden Monitoring Well
- Recovery Well
- Roxy Cleaners

Map Date: 12/16/2020
Data Collected: December 2018
Projection: NAD 1983 State Plane New York East

N

0 62.5 125 250 Feet

1 inch = 125 feet

NEW YORK STATE OF OPPORTUNITY Department of Environmental Conservation

Figure 4A
Interpolated Overburden Groundwater Contour Map (August 2020)
Annual Summary Report for
Site Management Activities

Roxy Cleaners Site (Site No. 4-42-024)
North Greenbush, New York

Legend

- Bedrock Monitoring Well
- Recovery Well
- Bedrock Groundwater Contour
- Roxy Cleaners

Map Date: 12/17/2020
Data Collected: December 2018
Projection: NAD 1983 State Plane New York East

N

0 62.5 125 250 Feet

1 inch = 125 feet

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

Figure 4B
Interpolated Bedrock Groundwater Contour Map (August 2020)
Annual Summary Report for
Site Management Activities

Roxy Cleaners Site (Site No. 4-42-024)
North Greenbush, New York

MW-113A	µg/L
PCE	NS
TCE	NS
DCE	NS
VC	NS

MW-105	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

MW-105A	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

MW-104A	µg/L
PCE	NS
TCE	NS
DCE	NS
VC	NS

MW-104	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

PZ-01	µg/L
PCE	NS
TCE	NS
DCE	NS
VC	NS

MW-2	µg/L
PCE	**43**
TCE	ND
DCE	5.2
VC	ND

MW-109	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

MW-112A	µg/L
PCE	NS
TCE	NS
DCE	NS
VC	NS

MW-110B	µg/L
PCE	NS
TCE	NS
DCE	NS
VC	NS

INJ-3	µg/L
PCE	**120**
TCE	**20**
DCE	ND
VC	ND

INJ-2	µg/L
PCE	ND
TCE	**23**
DCE	**190**
VC	ND

TW-5	µg/L
PCE	**28**
TCE	2.3
DCE	1.2
VC	ND

MW-111	µg/L
PCE	2.4
TCE	ND
DCE	ND
VC	ND

INJ-1	µg/L
PCE	**14**
TCE	**32**
DCE	**44**
VC	**10**

MW-106	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

MW-106A	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

MW-107A	µg/L
PCE	**13**
TCE	1.4
DCE	1.3
VC	ND

MW-101A	µg/L
PCE	ND
TCE	ND
DCE	**8.0**
VC	1.6

MW-108	µg/L
PCE	1.1
TCE	ND
DCE	ND
VC	ND

MW-4	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

MW-4B	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

MW-3	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

MW-3B	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

MW-108A	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

MW-103A	µg/L
PCE	**81**
TCE	4.2
DCE	**9.4**
VC	NS

MW-1B	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

MW-1	µg/L
PCE	ND
TCE	ND
DCE	ND
VC	ND

Dodge Street
Ascroft Street
Lenox Avenue
Bellemead Street
Orchard Terrace
NYS Route 66
Church Street

VICINITY MAP

Legend

- Overburden Monitoring Well
- Bedrock Monitoring Well
- Recovery Well
- Bedrock Injection Well
- Injection Trench
- Roxy Cleaners Parcel

Map Date: 12/8/2020
Source: ESRI, 2011
Projection: NAD 1983 State Plane New York East

N

0 120 240
Feet

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

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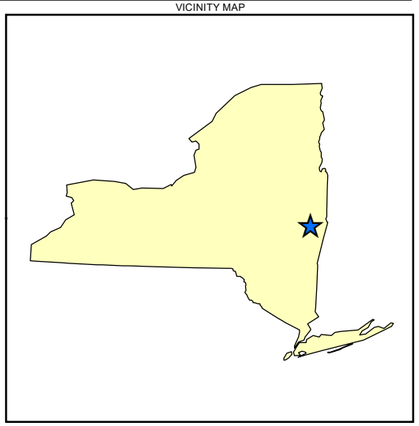
Figure 5
CVOC CONCENTRATIONS (AUGUST 2020)
Roxy Cleaners Site (Site No. 442024)
Annual Summary Report
North Greenbush, New York

VICINITY MAP



Legend

- Overburden Monitoring Well
- Bedrock Monitoring Well
- Recovery Well
- Bedrock Injection Well
- August 2020 PCE Isopleth
- Injection Trench
- Roxy Cleaners Parcel

Map Date: 9/21/2021
Source: ESRI, 2011
Projection: NAD 1983 State Plane New York East

N

0 115 230
Feet

NEW YORK STATE OF OPPORTUNITY Department of Environmental Conservation

Figure 6
PCE CONCENTRATIONS (AUGUST 2020)
Roxy Cleaners Site (Site No. 442024)
Annual Summary Report
North Greenbush, New York

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Figure 7A: RW-1 Influent Analytical Results

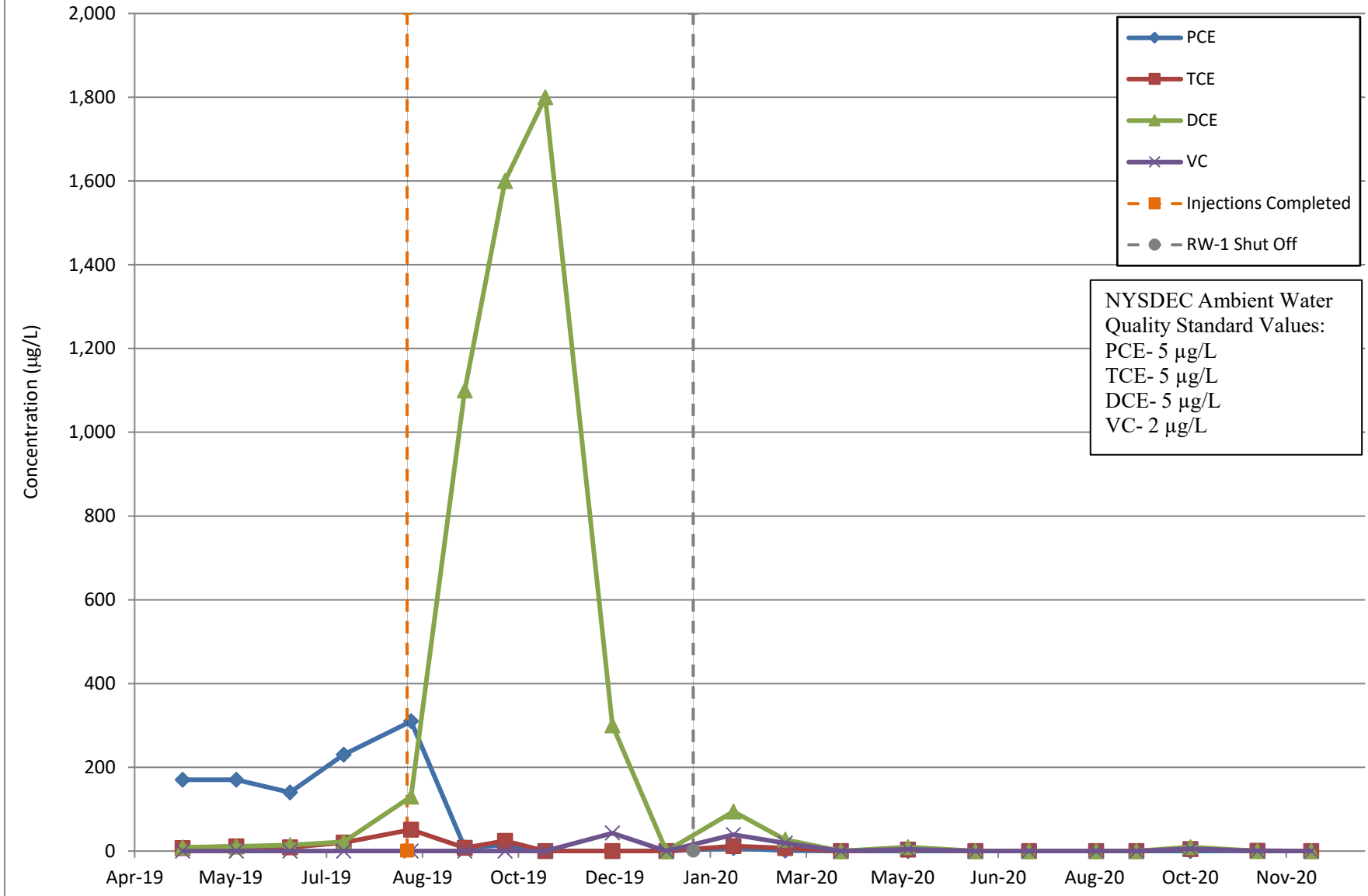


Figure 7B: RW-2 Influent Analytical Results

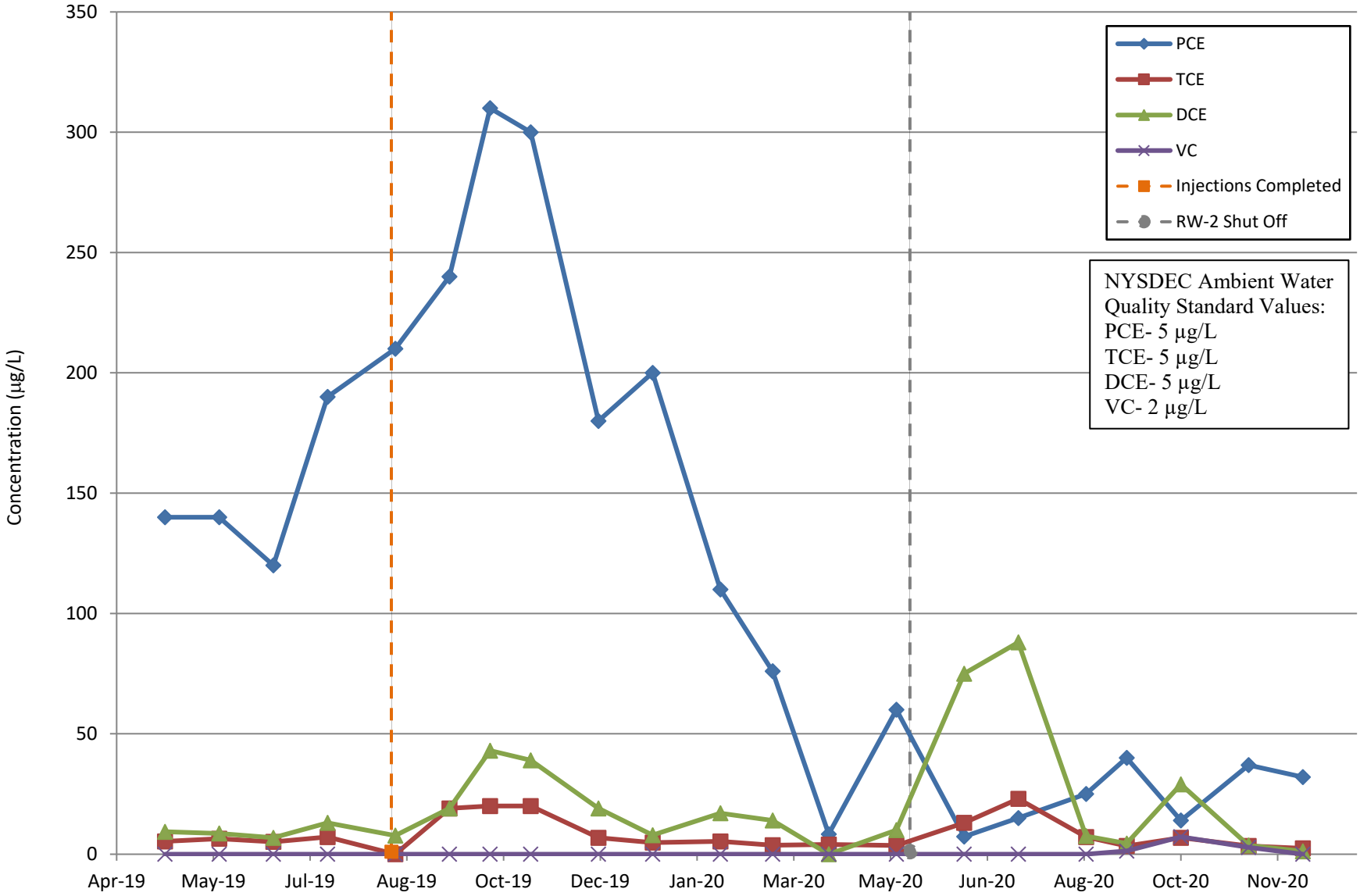
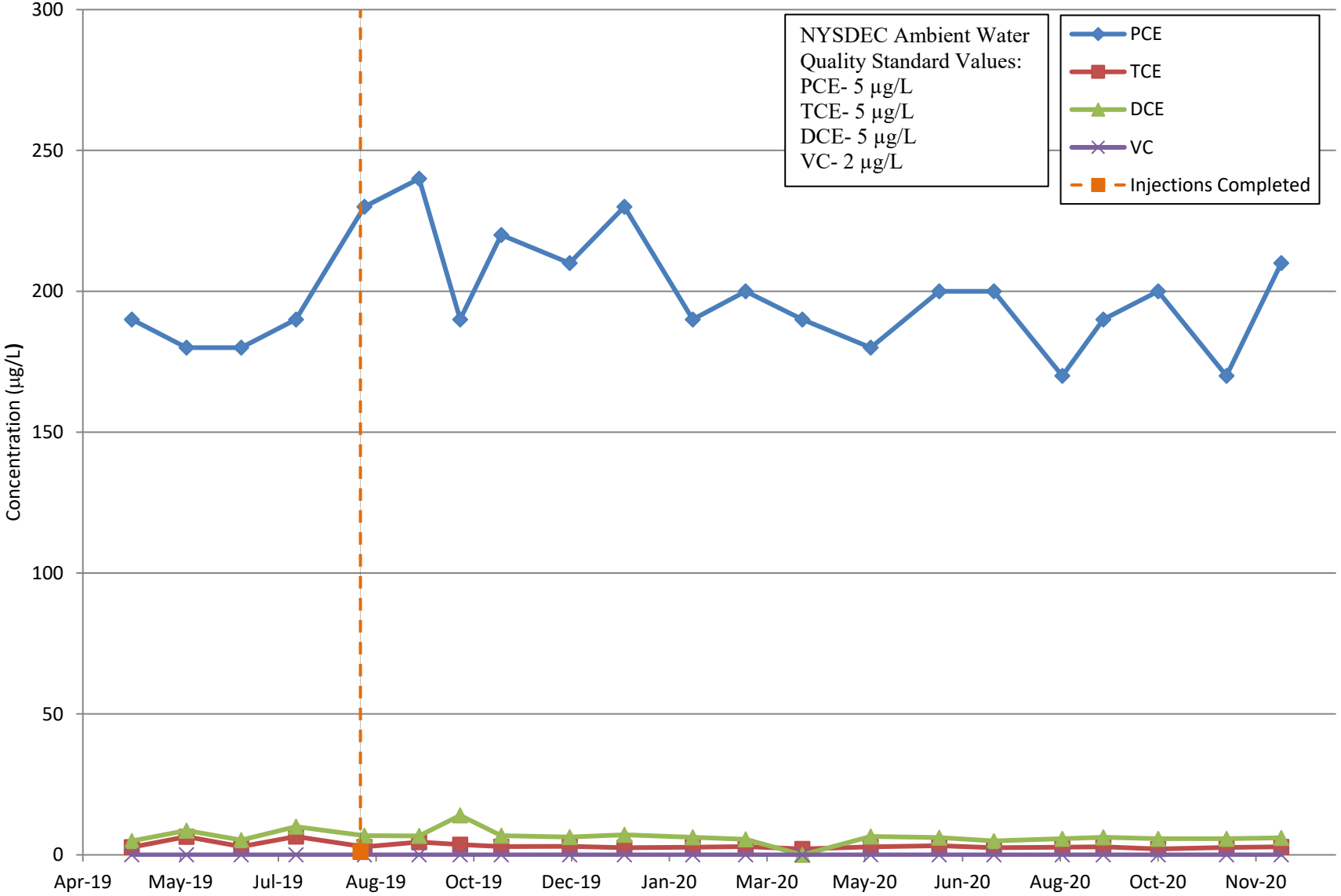


Figure 7C: RW-3 Influent Analytical Results



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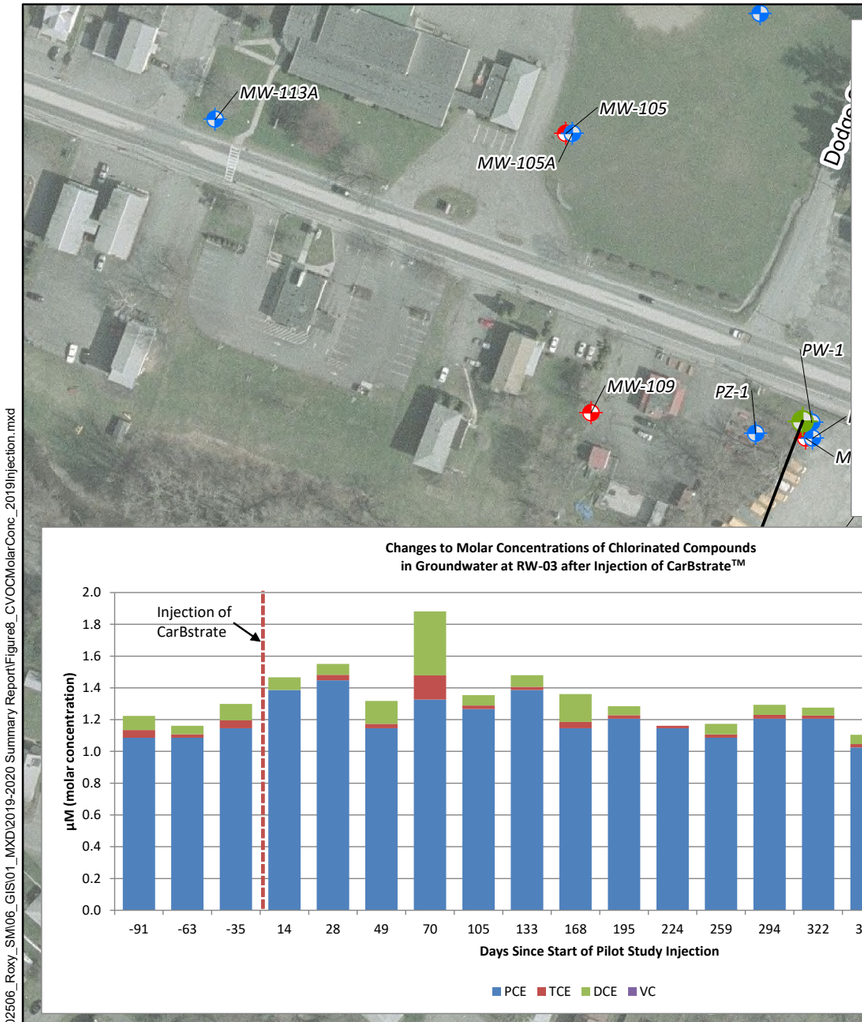

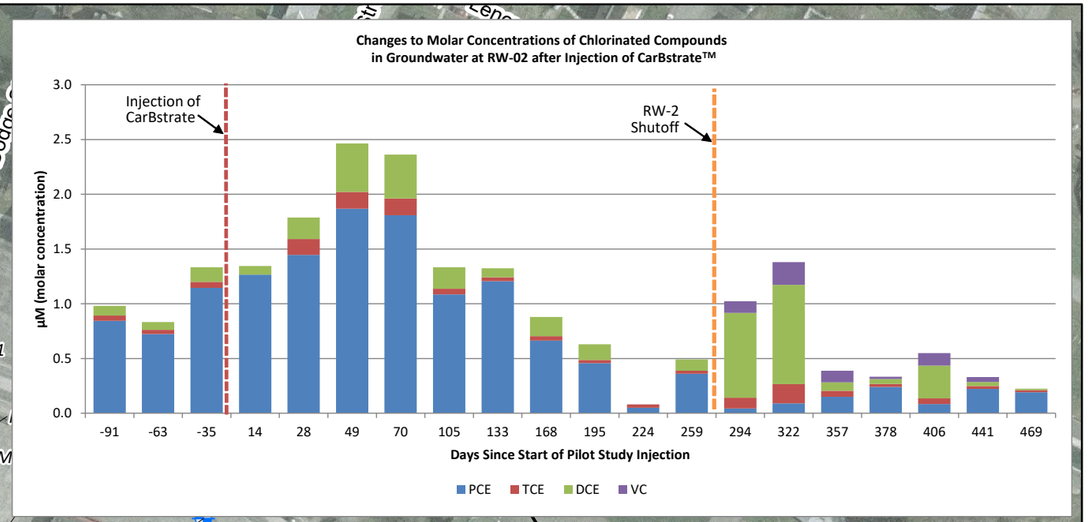

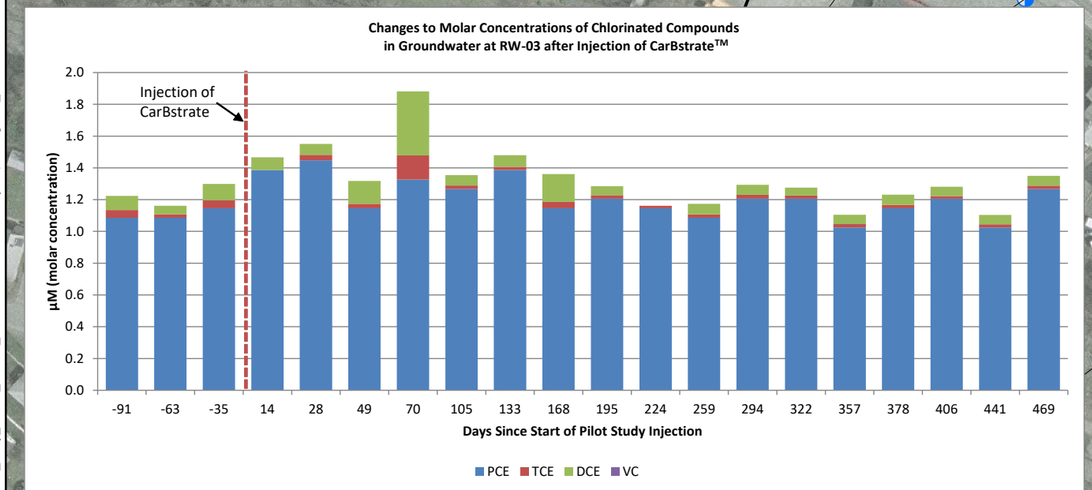

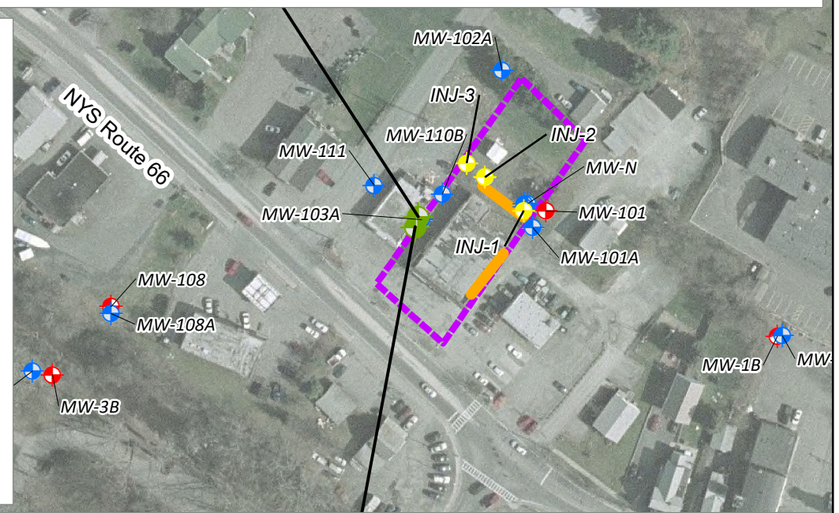

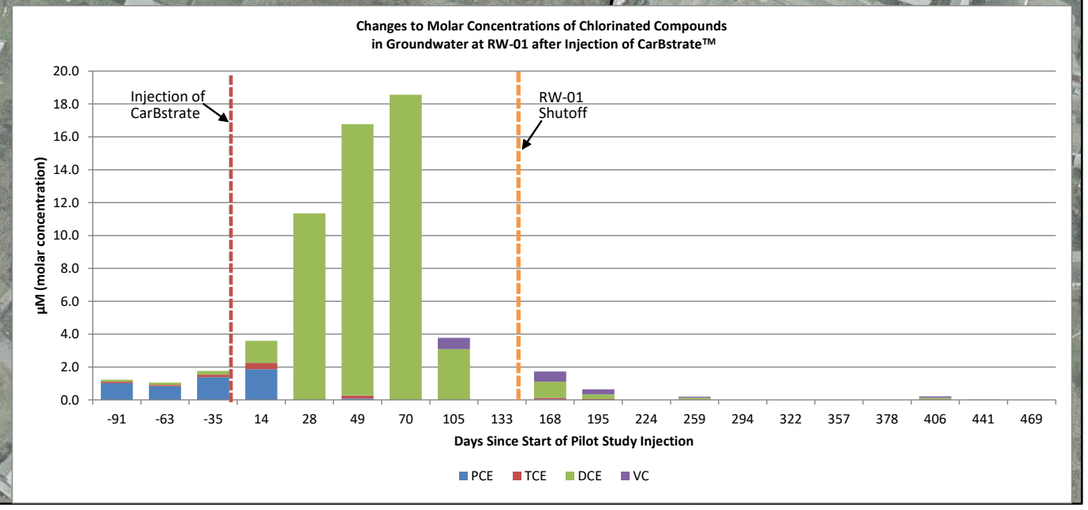

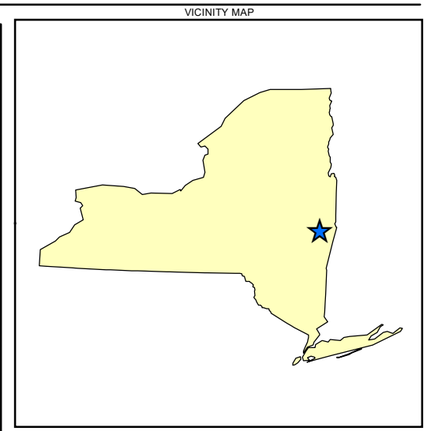

Legend

- Recovery Well
- Overburden Monitoring Well
- Bedrock Monitoring Well
- Bedrock Injection Well
- Injection Trench
- Roxy Cleaners Parcel

Map Date: 9/21/2021
Source: ESRI, 2011
Projection: NAD 1983 State Plane New York East

N

0 120 240
Feet

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

Figure 8
CVOC MOLAR CONCENTRATIONS IN GROUNDWATER
Roxy Cleaners Site (Site No. 442024)
Annual Summary Report
North Greenbush, New York

\\Syracusefp\Syracuse\Projects\State&Local\NYSDEC - D009806\Work Assignments\16025O6_Roxy_SM\06_GIS\01_MXD\2019-2020 Summary Report\Figure8_CVOCMolarConc_2019Injection.mxd

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Tables

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Table 1A Summary of Detected Volatile Organic Compounds for Treatment System Samples (November 2010 through December 2020)

Parameter	RW-01																	NYSDEC AWQS Values (µg/L)
	19-Nov-10	17-Dec-10	21-Jan-11	18-Feb-11	24-Mar-11	15-Apr-11	13-May-11	17-Jun-11	22-Jul-11	19-Aug-11	16-Sep-11	14-Oct-11	22-Nov-11	23-Dec-11	27-Jan-12	24-Feb-12	30-Mar-12	
Tetrachloroethene	**530**	**434**	**268**	**514**	**450**	**320**	**420**	**360**	**360**	**350**	**350**	NS	NS	NS	NS	NS	**350**	5
Trichloroethene	**59.0**	**40.8**	**32.6**	**44.6**	**38.0**	**38.0**	**49.0**	**34.0**	**37.0**	**33.0**	**32.0**	NS	NS	NS	NS	NS	**24.0**	5
cis 1,2-dichloroethene	**91.0**	**74.0**	**68.0**	**90.8**	**77.0**	**95.0**	**140**	**51.0**	**95.0**	**82.0**	**82.0**	NS	NS	NS	NS	NS	**53.0**	5
Totalizer Reading (gallons)	480,410	962,270	1,445,400	1,930,060	2,415,540	2,901,190	3,387,380	3,875,650	4,366,310	4,858,840	5,353,940	5,850,210	6,348,510	6,848,120	7,348,930	7,850,570	8,354,380	
Total Flow (gallons)	480,410	481,860	483,130	484,660	485,480	485,650	486,190	488,270	490,660	492,530	495,100	496,270	498,300	499,610	500,810	501,640	503,810	
Gallons between samples	1,991	1,450	1,270	1,530	820	170	540	2,080	2,390	1,870	2,570	1,170	2,030	1,310	1,200	830	2,170	

Parameter	RW-02																	NYSDEC AWQS Values (µg/L)
	19-Nov-10	17-Dec-10	21-Jan-11	18-Feb-11	24-Mar-11	15-Apr-11	13-May-11	17-Jun-11	22-Jul-11	19-Aug-11	16-Sep-11	14-Oct-11	22-Nov-11	23-Dec-11	27-Jan-12	24-Feb-12	30-Mar-12	
Tetrachloroethene	**360**	**418**	**227**	**371**	**180**	**180**	**130**	**160**	**260**	**180**	**56**	NS	NS	NS	NS	NS	**150**	5
Trichloroethene	ND	**11.1**	ND	ND	ND	ND	ND	ND	**6.1**	**5.1**	**23**	NS	NS	NS	NS	NS	ND	5
cis 1,2-dichloroethene	ND	**19.7**	**10.6**	**14.5**	ND	ND	ND	**7.4**	**15.0**	**13.0**	**190**	NS	NS	NS	NS	NS	ND	5
Totalizer Reading (gallons)	5,566,970	5,610,480	5,751,150	5,823,980	5,938,610	6,023,080	6,126,710	6,294,230	6,426,580	6,522,940	6,525,190	6,580,260	6,731,880	6,850,580	6,983,980	7,088,930	7,219,110	
Total Flow (gallons)	5,566,970	11,177,450	16,928,600	22,752,580	28,691,190	34,714,270	40,840,980	47,135,210	53,561,790	60,084,730	66,609,920	73,190,180	79,922,060	86,772,640	93,756,620	100,845,550	108,064,660	
Gallons between samples	55	43,510	140,670	72,830	114,630	84,470	103,630	167,520	132,350	96,360	2,250	55,070	151,620	118,700	133,400	104,950	130,180	

Parameter	RW-03[b]																	NYSDEC AWQS Values (µg/L)
	19-Nov-10	17-Dec-10	21-Jan-11	18-Feb-11	24-Mar-11	15-Apr-11	13-May-11	17-Jun-11	22-Jul-11	19-Aug-11	16-Sep-11	14-Oct-11	22-Nov-11	23-Dec-11	27-Jan-12	24-Feb-12	30-Mar-12	
Tetrachloroethene	**220**	**200**	**159**	**224**	**220**	**190**	**170**	**190**	**190**	**170**	**170**	NS	NS	NS	NS	NS	**170**	5
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	**5.2**	ND	ND	NS	NS	NS	NS	NS	ND	5
cis 1,2-dichloroethene	ND	ND	**8.2**	**11.2**	ND	**9.6**	**8.5**	**11.0**	**15.0**	**12.0**	**12.0**	NS	NS	NS	NS	NS	**9.2**	5
Totalizer Reading (gallons)	8,248,130	8,676,770	9,222,169	9,508,100	9,957,170	289,160	702,300	1,226,910	1,606,230	1,950,670	2,363,030	2,762,850	3,311,580	3,738,900	39	438,500	976,740	
Total Flow (gallons)	8,248,130	16,924,900	26,147,069	35,655,169	45,612,339	45,901,499	46,603,799	47,830,709	49,436,939	51,387,609	53,750,639	56,513,489	59,825,069	63,563,969	63,564,008	64,002,508	64,979,248	
Gallons between samples	441,920	428,640	545,399	285,931	449,070	-9,668,010	413,140	524,610	379,320	344,440	412,360	399,820	548,730	427,320	NA	438,461	538,240	

Parameter	SYSTEM EFFLUENT																	Effluent Limitations Daily Maximum Load [a]
	19-Nov-10	17-Dec-10	21-Jan-11	18-Feb-11	24-Mar-11	15-Apr-11	13-May-11	17-Jun-11	22-Jul-11	19-Aug-11	16-Sep-11	14-Oct-11	22-Nov-11	23-Dec-11	27-Jan-12	24-Feb-12	30-Mar-12	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND	10
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND	10
cis 1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	ND	10
Totalizer Reading (gallons)	14,295,510	14,769,110	15,456,449	15,816,740	16,381,260	6,797,890	7,315,200	8,009,410	8,523,470	8,966,140	9,383,320	15,193,320	16,391,970	17,437,600	7,484,829	8,029,070	8,699,660	
Total Flow (gallons)	14,295,510	29,064,620	44,521,069	60,337,809	76,719,069	83,516,959	90,832,159	98,841,569	107,365,039	116,331,179	125,714,499	140,907,819	157,299,789	174,737,389	182,222,218	190,251,288	198,950,948	
Gallons between samples	443,966	473,600	687,339	360,291	564,520	-9,583,370	517,310	694,210	514,060	442,670	417,180	5,810,000	1,198,650	1,045,630	-9,952,771	544,241	670,590	

(a) Treatment effluent limitations and monitoring requirements set forth in the Treatment System Operations and Maintenance Manual Dated July 1997

(b) System down from 1/6/2012 to 1/27/2012. Flow rate re-started on 1/27/2012 at 39 gallons.

NOTE: NYSDEC = New State Department of Environmental Conservation

AWQS = Ambient Water Quality Standard

NS = Not sampled

ND = Non-detect

All samples are reported in micrograms per liter (µg/L).

All samples analyzed by U.S. Environmental Protection Agency Method 624

Bold values indicate that the analyte was detected greater than the NYSDEC AWQS.

Analytical data results provided by New York State Department of Environmental Conservation Laboratories.

Table 1A Summary of Detected Volatile Organic Compounds for Treatment System Samples (November 2010 through December 2020)

Parameter	RW-01																	NYSDEC AWQS Values (µg/L)
	27-Apr-12	13-Jul-12	21-Aug-12	21-Sep-12	19-Oct-12	16-Nov-12	14-Dec-12	25-Jan-13	15-Feb-13	22-Mar-13	19-Apr-13	17-May-13	21-Jun-13	19-Jul-13	23-Aug-13	20-Sep-13	18-Oct-13	
Tetrachloroethene	**360**	**320**	**310**	**310**	**200**	**380**	**440**	**460**	**400**	**340**	**340**	**350**	**83**	**400**	**400**	**410**	**390**	5
Trichloroethene	**30**	**29**	**33**	**31**	**24**	**28**	**31**	**38**	**32**	**28**	**30**	**28**	**6.3**	**33**	**32**	**35.0**	**33.0**	5
cis 1,2-dichloroethene	**74**	**71**	**85**	**76**	**34**	**63**	**62**	**80**	**65**	**63**	**57**	**42**	**9.0**	**72.0**	**61.0**	**65.0**	**69.0**	5
Totalizer Reading (gallons)	505,060	507,930	509,760	511,790	513,160	514,970	515,940	518,000	519,150	520,920	522,080	524,140	526,360	527,690	530,470	532,410	534,040	
Total Flow (gallons)	2,007,120	2,009,990	2,011,820	2,013,850	2,015,220	2,017,030	2,018,000	2,020,060	2,021,210	2,022,980	2,024,140	2,026,200	2,028,420	2,029,750	2,032,530	2,034,470	2,036,100	
Gallons between samples	1,250	2,870	1,830	2,030	1,370	1,810	970	2,060	1,150	1,770	1,160	2,060	2,220	1,330	2,780	1,940	1,630	
Parameter	RW-02																	NYSDEC AWQS Values (µg/L)
	27-Apr-12	13-Jul-12	21-Aug-12	21-Sep-12	19-Oct-12	16-Nov-12	14-Dec-12	25-Jan-13	15-Feb-13	22-Mar-13	19-Apr-13	17-May-13	21-Jun-13	19-Jul-13	23-Aug-13	20-Sep-13	18-Oct-13	
Tetrachloroethene	**180**	**160**	**170**	**210**	**140**	**220**	**260**	**220**	**200**	**180**	**170**	**190**	**77**	**160**	**240**	**270**	**280**	5
Trichloroethene	ND	ND	**6.5**	ND	**5.4**	**5.7**	**6.6**	**7.6**	**5.8**	4.6	**4.7**	**5.3**	2.0	**5**	**7.7**	**10**	**8.6**	5
cis 1,2-dichloroethene	**9.9**	**9.6**	**11**	**5.9**	**7.8**	**11**	**9.8**	**9.8**	**8.1**	**7.6**	**7.3**	**6.7**	2.2	**6.8**	**13.0**	**13**	**18**	5
Totalizer Reading (gallons)	7,321,640	7,522,520	7,681,280	7,794,460	7,896,260	7,991,600	8,044,520	8,195,480	8,246,560	8,359,150	8,436,690	8,508,390	8,605,720	8,653,510	8,729,600	8,780,640	8,842,590	
Total Flow (gallons)	28,164,980	28,365,860	28,524,620	28,637,800	28,739,600	28,834,940	28,887,860	29,038,820	29,089,900	29,202,490	29,280,030	29,351,730	29,449,060	29,496,850	29,572,940	29,623,980	29,685,930	
Gallons between samples	102,530	48,990	158,760	113,180	101,800	95,340	52,920	150,960	51,080	112,590	77,540	71,700	97,330	47,790	76,090	51,040	61,950	
Parameter	RW-03																	NYSDEC AWQS Values (µg/L)
	27-Apr-12	13-Jul-12	21-Aug-12	21-Sep-12	19-Oct-12	16-Nov-12	14-Dec-12	25-Jan-13	15-Feb-13	22-Mar-13	19-Apr-13	17-May-13	21-Jun-13	19-Jul-13	23-Aug-13	20-Sep-13	18-Oct-13	
Tetrachloroethene	**170**	**150**	**180**	**170**	**200**	**170**	**220**	**220**	**180**	**180**	**170**	**160**	**99**	**190**	**210**	**200**	**200**	5
Trichloroethene	ND	ND	ND	ND	4.1	3.9	1.9	**5.7**	4.2	4.5	**4.3**	3.8	2.2	4.8	4.9	**6.2**	4.6	5
cis 1,2-dichloroethene	**8.5**	**8.8**	**5.9**	**9.8**	**7.9**	**8.9**	**7.3**	**11**	**8.1**	**7.9**	**7.5**	**5.9**	3.2	**8**	**8.7**	**8.5**	**8.9**	5
Totalizer Reading (gallons)	1,395,100	2,575,700	3,095,920	3,476,030	3,856,040	4,239,400	4,425,350	5,009,650	5,221,270	5,705,660	6,087,300	6,461,840	6,934,420	7,213,160	7,753,270	8,106,580	8,455,690	
Total Flow (gallons)	5,285,159	6,465,759	6,985,979	7,366,089	7,746,099	8,129,459	8,315,409	8,899,709	9,111,329	9,595,719	9,977,359	10,351,899	10,824,479	11,103,219	11,643,329	11,996,639	12,345,749	
Gallons between samples	418,360	257,780	520,220	380,110	380,010	383,360	185,950	584,300	211,620	484,390	381,640	374,540	472,580	278,740	540,110	353,310	349,110	
Parameter	SYSTEM EFFLUENT																	Effluent Limitations Daily Maximum Load [a]
	27-Apr-12	13-Jul-12	21-Aug-12	21-Sep-12	19-Oct-12	16-Nov-12	14-Dec-12	25-Jan-13	15-Feb-13	22-Mar-13	19-Apr-13	17-May-13	21-Jun-13	19-Jul-13	23-Aug-13	20-Sep-13	18-Oct-13	
Tetrachloroethene	ND	1.3	ND	ND	1.6	ND	1.3	1.1	ND	1.1	ND	1.9	ND	3.2	2.6	ND	ND	10
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
cis 1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Totalizer Reading (gallons)	9,221,800	10,606,150	11,286,960	11,782,280	12,265,460	12,745,970	12,985,810	13,723,130	13,986,980	14,585,730	15,046,070	15,494,370	16,066,500	16,394,360	17,013,340	17,419,630	17,832,320	
Total Flow (gallons)	35,457,259	36,841,609	37,522,419	38,017,739	38,500,919	38,981,429	39,221,269	39,958,589	40,222,439	40,821,189	41,281,529	41,729,829	42,301,959	42,629,819	43,248,799	43,655,089	44,067,779	
Gallons between samples	522,140	306,860	680,810	495,320	483,180	480,510	239,840	737,320	263,850	598,750	460,340	448,300	572,130	321,810	618,980	406,290	412,690	

Table 1A Summary of Detected Volatile Organic Compounds for Treatment System Samples (November 2010 through December 2020)

Parameter	RW-01																NYSDEC AWQS Values (µg/L)
	15-Nov-13	**20-Dec-13**	**24-Jan-14**	**28-Feb-14**	**21-Mar-14**	**18-Apr-14**	**16-May-14**	**13-Jun-14**	**18-Jul-14**	**22-Aug-14**	**12-Sep-14**	**17-Oct-14**	**21-Nov-14**	**12-Dec-14**	**23-Jan-15**	**27-Feb-15**	**20-Mar-15**	
Tetrachloroethene	**270**	**330**	**170**	**340**	**350**	**280**	**310**	**320**	**340**	**320**	**300**	**300**	**300**	**280**	**320**	**370**	**360**	5
Trichloroethene	**22.0**	**29.0**	**3.6**	**33.0**	**30.0**	**29.0**	**28**	**30**	**29**	**29**	**26**	**26.0**	**29**	**26**	**35.0**	**29.0**	**29.0**	5
cis 1,2-dichloroethene	**38.0**	**50**	**6.3**	**70.0**	**61.0**	**58.0**	**66**	**62**	**44**	**58**	**49**	**64.0**	**59**	**47**	**71.0**	**62**	**94.0**	5
Totalizer Reading (gallons)	535,040	538,190	539,336	541,150	542,590	544,320	545,990	546,820	548,236	550,110	551,079	553,480	556,030	556,510	557,440	559,380	560,800	
Total Flow (gallons)	2,037,100	2,040,250	2,041,396	2,043,210	2,044,650	2,046,380	2,048,050	2,048,880	2,046,066	2,047,940	2,048,909	2,051,310	2,053,860	2,054,340	2,055,270	2,057,210	2,058,630	
Gallons between samples	1,000	3,150	1,146	1,814	1,440	1,730	1,670	830	1,416	1,874	969	2,401	2,550	480	930	1,940	1,420	
Parameter	RW-02																NYSDEC AWQS Values (µg/L)
	15-Nov-13	**20-Dec-13**	**24-Jan-14**	**28-Feb-14**	**21-Mar-14**	**18-Apr-14**	**16-May-14**	**13-Jun-14**	**18-Jul-14**	**22-Aug-14**	**12-Sep-14**	**17-Oct-14**	**21-Nov-14**	**12-Dec-14**	**23-Jan-15**	**27-Feb-15**	**20-Mar-15**	
Tetrachloroethene	**140**	**200**	**130**	**140**	**250**	**160**	**170**	**210**	**230**	**250**	**260**	**210**	**340**	**320**	**220**	**260**	**260**	5
Trichloroethene	3.2	**6.4**	2.3	**10**	**7.3**	**5.6**	**4.8**	**7.0**	**9.2**	**8.5**	**9**	**8.6**	**10.0**	**11**	**8.2**	**7.4**	**8**	5
cis 1,2-dichloroethene	**5.7**	**9.4**	**1.5**	**19.0**	**12.0**	**8.2**	**7.9**	**12**	**10**	**18**	**16**	**18.0**	**15**	**23**	**16.0**	**13**	**20**	5
Totalizer Reading (gallons)	8,909,870	8,999,880	9,084,303	365	48,782	84,773	137,880	189,376	240,160	293,431	319,953	361,459	380,054	397,795	483,776	538,489	584,973	
Total Flow (gallons)	29,753,210	29,843,220	29,927,643	29,928,008	29,976,425	30,012,416	30,065,523	30,117,019	30,027,209	30,080,480	30,107,002	30,148,508	30,167,103	30,184,844	30,270,825	30,325,538	30,372,022	
Gallons between samples	67,280	90,010	84,423	365	48,417	35,991	53,107	51,496	50,784	53,271	26,522	41,506	18,595	17,741	85,981	54,713	46,484	
Parameter	RW-03[(b)]																NYSDEC AWQS Values (µg/L)
	15-Nov-13	**20-Dec-13**	**24-Jan-14**	**28-Feb-14**	**21-Mar-14**	**18-Apr-14**	**16-May-14**	**21-Mar-14**	**18-Jul-14**	**22-Aug-14**	**12-Sep-14**	**17-Oct-14**	**21-Nov-14**	**12-Dec-14**	**23-Jan-15**	**27-Feb-15**	**20-Mar-15**	
Tetrachloroethene	**170**	**170**	**220**	**170**	**180**	**150**	**170**	**200**	**180**	**200**	**150**	**160**	**170**	**170**	**170**	**210**	**NS**	5
Trichloroethene	**5.3**	**5.2**	22	**4.2**	4.4	4	3.8	3.8	4.2	**8.5**	3.8	3.4	**10**	**4.5**	4.1	**7.4**	NS	5
cis 1,2-dichloroethene	**16**	**7.7**	**54.0**	**6.9**	**7.4**	**6.5**	**6.4**	**8.1**	**6.7**	**18**	**5.2**	**7.1**	**15**	**5.9**	**7.1**	**13**	**NS**	5
Totalizer Reading (gallons)	8,800,260	9,232,114	9,671,068	9,933,200	193,240	543,650	880,390	1,205,050	1,591,551	1,962,810	2,172,839	2,503,950	2,855,230	2,993,320	3,343,210	3,615,830	3,702,220	
Total Flow (gallons)	12,690,319	13,122,173	13,561,127	13,823,259	14,083,299	14,433,709	14,770,449	15,095,109	14,469,800	14,841,059	15,051,088	14,414,410	14,765,690	14,903,780	15,253,670	15,526,290	15,612,680	
Gallons between samples	344,570	431,854	438,954	262,132	260,040	350,410	336,740	324,660	386,501	371259	210,029	331,111	351,280	138,090	349,890	272,620	86,390	
Parameter	SYSTEM EFFLUENT																Effluent Limitations Daily Maximum Load [(a)]
	15-Nov-13	**20-Dec-13**	**24-Jan-14**	**28-Feb-14**	**21-Mar-14**	**18-Apr-14**	**16-May-14**	**13-Jun-14**	**18-Jul-14**	**22-Aug-14**	**12-Sep-14**	**17-Oct-14**	**21-Nov-14**	**12-Dec-14**	**23-Jan-15**	**27-Feb-15**	**20-Mar-15**	
Tetrachloroethene	1.1	1.8	2.6	ND	1.9	1.2	ND	1.3	ND	ND	2	ND	1.3	ND	ND	ND	ND	10
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
cis 1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Totalizer Reading (gallons)	18,245,170	18,770,184	19,294,707	19,559,018	19,868,915	21,041,658	21,433,175	21,810,161	22,248,862	22,675,266	22,912,786	26,331,675	26,704,100	26,860,411	35,192,462	35,521,735	35,656,029	
Total Flow (gallons)	44,480,629	45,005,643	45,530,166	45,794,477	46,104,374	46,492,505	46,884,022	47,261,008	46,543,075	46,969,479	47,206,999	46,614,228	46,986,653	47,142,964	47,579,765	47,909,038	48,043,332	
Gallons between samples	412,850	525,014	524,523	264,311	309,897	388,131	391,517	376,986	438,701	426,404	237,520	375,018	372,425	156,311	436,801	329,273	134,294	

Table 1A Summary of Detected Volatile Organic Compounds for Treatment System Samples (November 2010 through December 2020)

Parameter	RW-01																	NYSDEC AWQS Values (µg/L)
	17-Apr-15	22-May-15	19-Jun-15	24-Jul-15	14-Aug-15	18-Sep-15	28-Oct-15	20-Nov-15	18-Dec-15	22-Jan-16	25-Mar-16	27-May-16	24-Jun-16	22-Jul-16	26-Aug-16	23-Sep-16	28-Oct-16	
Tetrachloroethene	**250**	**360**	**380**	**300**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5
Trichloroethene	**30.0**	**37.0**	**36.0**	**32**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5
cis 1,2-dichloroethene	**52.0**	**75.0**	**66.0**	**72**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5
Totalizer Reading (gallons)	561,940	563,960	564,850	567,010	567,190	567,190	567,190	567,190	567,190	567,190	567,190	567,190	567,190	567,190	567,190	567,190	567,190	
Total Flow (gallons)	2,059,770	2,061,790	2,062,680	2,060,790	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	
Gallons between samples	1,140	2,020	890	2,160	180	0	0	0	0	0	0	0	0	0	0	0	0	
Parameter	RW-02																	NYSDEC AWQS Values (µg/L)
	17-Apr-15	22-May-15	19-Jun-15	24-Jul-15	14-Aug-15	18-Sep-15	28-Oct-15	20-Nov-15	18-Dec-15	22-Jan-16	25-Mar-16	27-May-16	24-Jun-16	22-Jul-16	26-Aug-16	23-Sep-16	28-Oct-16	
Tetrachloroethene	**160**	**270**	**350**	**310**	**160**	**500**	**560**	**450**	**460**	**420**	**420**	**410**	**400**	**380**	**340**	**310**	**340**	5
Trichloroethene	**7.5**	**11**	**12.0**	**11**	**4.0**	**18**	**20**	**17**	**17.0**	**15.0**	**14**	**14**	**14**	**12.0**	**12**	**13.0**	**12.0**	5
cis 1,2-dichloroethene	**11.0**	**19.0**	**18**	**23**	**5.2**	**32**	**34**	**36**	**42.0**	**30**	**25**	**21.0**	**20**	**19**	**18**	**22**	**21**	5
Totalizer Reading (gallons)	621,578	645,583	677,656	710,937	712,110	719,539	736,488	755,944	774,949	800,645	841,182	880,530	939,241	992,139	1,007,260	1,110,254	1,158,602	
Total Flow (gallons)	30,408,627	30,432,632	30,464,705	30,497,986	30,499,159	30,506,588	30,523,537	30,542,993	30,561,998	30,587,694	30,628,231	30,667,579	30,726,290	30,779,188	30,794,309	30,897,303	30,787,352	
Gallons between samples	223,783	24,005	32,073	313,142	1,173	7,429	16,949	19,456	19,005	25,696	40,537	39,348	58,711	52,898	15,121	102,994	61,062	
Parameter	RW-03[(b)]																	NYSDEC AWQS Values (µg/L)
	17-Apr-15	22-May-15	19-Jun-15	24-Jul-15	14-Aug-15	18-Sep-15	28-Oct-15	20-Nov-15	18-Dec-15	22-Jan-16	25-Mar-16	27-May-16	24-Jun-16	22-Jul-16	26-Aug-16	23-Sep-16	28-Oct-16	
Tetrachloroethene	NS	**190**	**200**	**150**	**150**	**190**	**190**	**170**	**160**	**190**	**210**	**230**	**230**	**220**	**180**	**170**	**190**	5
Trichloroethene	NS	**11**	4	3.4	4	4.1	3.2	**17**	3.4	3.5	3.5	3.7	2.9	3.5	**12**	2.8	3	5
cis 1,2-dichloroethene	NS	**19.0**	**5.4**	**6.6**	**5.2**	**5.7**	**5.6**	**36**	4.2	**6.4**	**6.1**	**5.1**	**5.2**	**5.6**	**18**	**6.3**	**5.9**	5
Totalizer Reading (gallons)	0	3,915,170	4,118,100	4,401,110	4,553,430	4,788,570	4,937,220	5,115,590	5,294,650	5,510,770	5,783,570	6,001,320	6,147,840	6,302,940	6,364,505	6,648,821	6,795,350	
Total Flow (gallons)	15,612,680	15,825,630	16,028,560	15,612,680	16,463,890	16,699,030	16,847,680	17,174,700	17,353,760	17,569,880	17,842,680	18,060,430	18,206,950	18,362,050	18,578,715	18,863,031	18,390,870	
Gallons between samples	0	212,950	202,930		851,210	235,140	148,650	327,020	179,060	216,120	272,800	217,750	146,520	155,100	216,665	284,316	183,920	
Parameter	SYSTEM EFFLUENT																	Effluent Limitations Daily Maximum Load [(a)]
	17-Apr-15	22-May-15	19-Jun-15	24-Jul-15	14-Aug-15	18-Sep-15	28-Oct-15	20-Nov-15	18-Dec-15	22-Jan-16	25-Mar-16	27-May-16	24-Jun-16	22-Jul-16	26-Aug-16	23-Sep-16	28-Oct-16	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	10
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
cis 1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Totalizer Reading (gallons)	31,991,554	35,932,749	36,168,642	36,487,093	36,640,766	36,883,335	43,124,233	43,322,059	43,520,124	50,398,729	50,712,066	50,712,066	58,161,106	66,228,606	66,305,292	66,692,602	66,887,479	
Total Flow (gallons)	48,081,077	48,320,052	48,555,945	48,171,456	49,024,019	49,266,588	49,432,187	49,778,663	49,976,728	50,218,544	50,531,881	50,531,881	50,788,979	51,202,208	51,433,994	51,821,304	51,239,192	
Gallons between samples	938,113	238,975	235,893	1,028,492	852,563	242,569	165,599	346,476	198,065	241,816	313,337	7,449,040	205,231	207,998	231,786	387,310	244,982	

Table 1A Summary of Detected Volatile Organic Compounds for Treatment System Samples (November 2010 through December 2020)

Parameter	RW-01																	NYSDEC AWQS Values (µg/L)
	18-Nov-16	**29-Dec-16**	**27-Jan-17**	**17-Feb-17**	**24-Mar-17**	**21-Apr-17**	**19-May-17**	**23-Jun-17**	**21-Jul-17**	**18-Aug-17**	**22-Sep-17**	**20-Oct-17**	**17-Nov-17**	**1-Dec-17**	**19-Jan-18**	**23-Feb-18**	**23-Mar-18**	
Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**270**	**240**	**260**	NS	**110**	**170**	**240**	5
Trichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**24**	**23**	**29**	NS	**8.2**	**18**	**24**	5
cis 1,2-dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**62**	**75**	**58.0**	NS	**14**	**37**	**58**	5
Totalizer Reading (gallons)	567,190	567,190	567,190	567,190	567,190	567,190	567,190	567,190	567,190	567,190	567,640	568,250	569,070	569,500	570,930	571,830	572,430	
Total Flow (gallons)	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,060,970	2,061,420	2,062,030	2,062,850	2,063,280	2,064,710	2,065,610	2,066,210	
Gallons between samples	0	0	0	0	0	0	0	0	0	0	450	610	820	430	1,430	900	600	
Parameter	RW-02																	NYSDEC AWQS Values (µg/L)
	18-Nov-16	**29-Dec-16**	**27-Jan-17**	**17-Feb-17**	**24-Mar-17**	**21-Apr-17**	**19-May-17**	**23-Jun-17**	**21-Jul-17**	**18-Aug-17**	**22-Sep-17**	**20-Oct-17**	**17-Nov-17**	**1-Dec-17**	**19-Jan-18**	**23-Feb-18**	**23-Mar-18**	
Tetrachloroethene	**340**	**320**	**290**	**250**	**280**	**170**	**160**	**160**	**210**	**270**	**310**	**270**	**290**	NS	**52**	**260**	**240**	5
Trichloroethene	**12**	**11.0**	**10.0**	**9.6**	**9.3**	**0.0**	**5.2**	**6.1**	**9.4**	**13**	**13**	**11**	**11**	NS	2.3	**8.0**	**10**	5
cis 1,2-dichloroethene	**19**	**14**	**16**	**15**	**9.8**	**5.2**	**6**	**7.4**	**16.0**	**18**	**18**	**24**	**19.0**	NS	3.3	**15**	**11**	5
Totalizer Reading (gallons)	1,173,723	1,270,476	1,319,870	1,360,313	1,429,159	1,488,974	1,538,910	1,595,310	1,635,613	1,672,213	1,717,043	1,744,796	1,781,560	1,799,886	1,870,321	1,912,369	1,965,525	
Total Flow (gallons)	30,802,473	30,899,226	30,775,684	30,816,127	30,884,973	30,944,788	30,994,724	31,051,124	30,925,276	30,961,876	31,006,706	31,200,610	31,237,374	31,255,700	311,326,135	311,368,183	311,421,339	
Gallons between samples	15,121	96,753	49,394	40,443	68,846	59,815	49,936	56,400	40,303	36,600	44,830	27,753	36,764	18,326	70,435	42,048	53,156	
Parameter	RW-03[(b)]																	NYSDEC AWQS Values (µg/L)
	18-Nov-16	**29-Dec-16**	**27-Jan-17**	**17-Feb-17**	**24-Mar-17**	**21-Apr-17**	**19-May-17**	**23-Jun-17**	**21-Jul-17**	**18-Aug-17**	**22-Sep-17**	**20-Oct-17**	**17-Nov-17**	**1-Dec-17**	**19-Jan-18**	**23-Feb-18**	**23-Mar-18**	
Tetrachloroethene	**190**	**220**	**180**	**210**	**230**	**210**	**180**	**170**	**200**	**200**	**230**	**170**	**190**	NS	**95**	**180**	**190**	5
Trichloroethene	**12**	3.2	2.9	9.6	3.7	3.3	**5.2**	3.1	3.7	**13**	3.3	3	3.3	NS	1.9	**8**	2.5	5
cis 1,2-dichloroethene	**19**	4.7	**5.5**	**15**	4.5	4.9	**6**	4.6	**5.7**	**18**	**5.3**	**7.4**	**5.8**	NS	**3.4**	**15**	**6.4**	5
Totalizer Reading (gallons)	6,853,790	7,107,170	7,237,150	7,348,820	7,533,480	7,682,153	7,823,410	8,000,500	8,137,440	8,271,420	8,399,550	8,474,380	8,573,440	8,623,420	8,757,500	8,873,940	8,963,840	
Total Flow (gallons)	18,633,230	18,886,610	18,336,930	18,578,580	18,763,240	18,781,933	19,071,863	19,248,953	18,770,200	19,041,120	19,169,250	19,574,160	19,673,220	19,723,200	19,857,280	19,973,720	20,063,620	
Gallons between samples	242,360	253,380	129,980	241,650	184,660	148,673	289,930	177,090	136,940	270,920	128,130	19,574,160	99,060	49,980	134,080	116,440	89,900	
Parameter	SYSTEM EFFLUENT																	Effluent Limitations Daily Maximum Load [(a)]
	18-Nov-16	**29-Dec-16**	**27-Jan-17**	**17-Feb-17**	**24-Mar-17**	**21-Apr-17**	**19-May-17**	**23-Jun-17**	**21-Jul-17**	**18-Aug-17**	**22-Sep-17**	**20-Oct-17**	**17-Nov-17**	**1-Dec-17**	**19-Jan-18**	**23-Feb-18**	**23-Mar-18**	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
cis 1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Totalizer Reading (gallons)	66,961,040	67,311,173	67,490,547	67,642,660	67,896,166	77,634,483	77,825,676	78,059,166	88,399,409	88,569,989	88,743,399	99,530,825	99,667,469	99,736,205	110,934,956	111,094,344	111,238,000	
Total Flow (gallons)	51,496,673	51,846,806	51,173,584	51,455,677	51,709,183	51,787,691	52,127,557	52,361,047	51,756,446	52,063,966	52,237,376	52,836,800	52,973,444	53,042,180	333,248,125	333,407,513	333,551,169	
Gallons between samples	257,481	350,133	179,374	282,093	253,506	208,488	339,866	233,490	-604,601	307,520	173,410	103,193	136,644	68,736	280,205,945	159,388	143,656	

Table 1A Summary of Detected Volatile Organic Compounds for Treatment System Samples (November 2010 through December 2020)

Parameter	RW-01																	NYSDEC AWQS Values (µg/L)
	20-Apr-18	**18-May-18**	**22-Jun-18**	**20-Jul-18**	**31-Aug-18**	**28-Sep-18**	**19-Oct-18**	**20-Nov-18**	**21-Dec-18**	**24-Jan-19**	**22-Feb-19**	**22-Mar-19**	**26-Apr-19**	**24-May-19**	**21-Jun-19**	**19-Jul-19**	**23-Aug-19**	
Tetrachloroethene	**230**	NS	**220**	**210**	**140**	**170**	**230**	**250**	**290**	**210**	**130**	**160**	**170**	**170**	**140**	**230**	**310**	5
Trichloroethene	**19**	NS	**17**	**14**	**15**	**17**	**13**	**23**	**23**	**20**	**11**	**6.5**	**7**	**11**	**8.9**	**20**	**51**	5
cis 1,2-dichloroethene	**29**	NS	**32**	**24**	**36**	**32**	**27**	**53**	**68**	**33**	**26**	**12**	**8.6**	**11**	**14**	**22**	**130**	5
Totalizer Reading (gallons)	573,370	574,280	575,280	576,090	577,240	577,620	578,290	579,320	580,330	581,460	582,430	583,140	583,140	583,140	583,210	583,430	583,840	
Total Flow (gallons)	2,067,150	2,068,060	2,069,060	2,069,870	2,071,020	2,071,400	2,072,070	2,073,100	2,074,110	2,075,240	2,076,210	2,076,920	2,076,920	2,076,920	2,076,990	2,077,140	2,077,550	
Gallons between samples	940	910	1,000	810	1,150	380	670	1,030	1,010	1,130	970	710	0	0	70	220	410	
Parameter	RW-02																	NYSDEC AWQS Values (µg/L)
	20-Apr-18	**18-May-18**	**22-Jun-18**	**20-Jul-18**	**31-Aug-18**	**28-Sep-18**	**19-Oct-18**	**20-Nov-18**	**21-Dec-18**	**24-Jan-19**	**22-Feb-19**	**22-Mar-19**	**26-Apr-19**	**24-May-19**	**21-Jun-19**	**19-Jul-19**	**23-Aug-19**	
Tetrachloroethene	**200**	NS	**240**	**270**	**210**	**250**	**250**	**230**	**220**	**180**	**130**	**150**	**140**	**140**	**120**	**190**	**210**	5
Trichloroethene	**7.9**	NS	**11.0**	**11.0**	**12**	**11**	**9.9**	**8.1**	**7.1**	**7.3**	**5.5**	**5.5**	**5.3**	**6.4**	**5.1**	**7.1**	ND	5
cis 1,2-dichloroethene	**12**	NS	**16.0**	**11**	**15**	**16.0**	**15**	**11**	**14**	**8.9**	**7.3**	**10**	**9.3**	**8.6**	**6.8**	**13**	**7.7**	5
Totalizer Reading (gallons)	46,236	2,060,966	2,115,874	2,156,037	2,217,979	2,239,018	2,286,244	2,356,504	2,423,723	2,495,703	2,551,718	2,606,527	2,663,675	2,716,940	2,761,788	2,785,888	2,843,908	
Total Flow (gallons)	311,463,840	311,516,780	311,571,688	311,611,851	311,673,793	311,694,832	311,742,058	311,812,318	311,879,537	311,951,517	312,007,532	312,062,341	312,119,489	312,172,754	312,217,602	312,086,441	312,144,461	
Gallons between samples	42,501	52,940	54,908	40,163	61,942	21,039	47,226	70,260	67,219	71,980	56,015	54,809	57,148	53,265	44,848	24,100	58,020	
Parameter	RW-03[(b)]																	NYSDEC AWQS Values (µg/L)
	20-Apr-18	**18-May-18**	**22-Jun-18**	**20-Jul-18**	**31-Aug-18**	**28-Sep-18**	**19-Oct-18**	**20-Nov-18**	**21-Dec-18**	**24-Jan-19**	**22-Feb-19**	**22-Mar-19**	**26-Apr-19**	**24-May-19**	**21-Jun-19**	**19-Jul-19**	**23-Aug-19**	
Tetrachloroethene	**200**	NS	**210**	**200**	**130**	**150**	**200**	**210**	**240**	**210**	**110**	**200**	**190**	**180**	**180**	**190**	**230**	5
Trichloroethene	3.2	NS	3.7	2.8	**12**	2.1	2.3	**8.1**	2.8	4	**5.5**	2.9	2.7	**6.4**	2.9	**6.5**	ND	5
cis 1,2-dichloroethene	**3.9**	NS	**5.5**	**4.3**	**15**	**5.1**	**5.8**	**11.0**	**9**	**4.6**	**7.3**	**6**	**4.9**	**8.6**	**5**	**10.0**	**8**	5
Totalizer Reading (gallons)	9,043,290	9,146,450	9,270,640	9,367,150	9,490,260	9,534,740	9,613,930	9,733,970	9,848,250	9,970,110	16,600	122,670	236,280	342,190	440,680	482,740	598,020	
Total Flow (gallons)	20,143,070	20,246,230	20,370,420	20,466,930	20,590,040	20,634,520	20,713,710	20,833,750	20,948,030	21,069,890	21,116,379	21,222,449	212,336,059	212,708,138	212,806,628	212,264,509	212,892,418	
Gallons between samples	79,450	103,160	124,190	96,510	123,110	44,480	79,190	120,040	114,280	121,860	46,489	106,070	113,610	372,079	98,490	42,060	627,909	
Parameter	SYSTEM EFFLUENT																	Effluent Limitations Daily Maximum Load [(a)]
	20-Apr-18	**18-May-18**	**22-Jun-18**	**20-Jul-18**	**31-Aug-18**	**28-Sep-18**	**19-Oct-18**	**20-Nov-18**	**21-Dec-18**	**24-Jan-19**	**22-Feb-19**	**22-Mar-19**	**26-Apr-19**	**24-May-19**	**21-Jun-19**	**19-Jul-19**	**23-Aug-19**	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
cis 1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Totalizer Reading (gallons)	122,862,686	123,019,696	123,199,794	135,299,071	135,485,273	135,551,172	148,029,636	148,220,966	148,403,475	161,450,748	151,554,223	151,715,812	155,198,907	155,358,082	155,501,490	155,567,870	155,741,580	
Total Flow (gallons)	333,674,060	333,831,070	334,011,168	334,148,651	334,334,853	334,400,752	334,527,838	334,719,168	334,901,677	335,096,647	335,200,121	335,361,710	526,532,468	526,957,812	527,101,220	526,428,090	527,114,429	
Gallons between samples	122,891	157,010	180,098	137,483	186,202	65,899	127,086	191,330	182,509	194,970	103,474	161,589	170,758	425,344	143,408	66,380	686,339	

Table 1A Summary of Detected Volatile Organic Compounds for Treatment System Samples (November 2010 through December 2020)

Parameter	RW-01																NYSDEC AWQS Values (µg/L)
	20-Sep-19	11-Oct-19	1-Nov-19	6-Dec-19	3-Jan-20	7-Feb-20	5-Mar-20	3-Apr-20	8-May-20	12-Jun-20	10-Jul-20	14-Aug-20	4-Sep-20	2-Oct-20	6-Nov-20	4-Dec-20	
Tetrachloroethene	ND	**14**	ND	ND	ND	**7.2**	0.95	ND	ND	ND	ND	ND	ND	ND	0.47	ND	5
Trichloroethene	ND	**24**	ND	ND	ND	**12**	**7.1**	ND	**3.8**	ND	ND	ND	ND	4.9	0.52	ND	5
cis 1,2-dichloroethene	**1100**	**1600**	**1800**	**300**	ND	**94**	**27**	ND	**9.6**	ND	ND	ND	ND	**9.7**	ND	ND	5
Vinyl chloride	ND	ND	ND	**43**	ND	**39**	**19**	ND	**4.3**	ND	ND	ND	ND	**5.1**	ND	ND	2
Totalizer Reading (gallons)	584,270	584,540	584,950	585,150	585,180	585,180	585,180	585,180	585,180	585,240	585,240	585,240	585,270	585,270	585,290	585,310	
Total Flow (gallons)	2,077,980	2,078,250	2,078,660	2,078,860	2,078,860	2,078,860	2,078,860	2,083,010	2,083,010	2,083,070	2,083,070	2,083,070	2,083,100	2,083,100	2,083,100	2,083,140	
Gallons between samples	430	270	410	200	0	0	0	0	0	60	0	0	30	0	0	20	
Parameter	RW-02																NYSDEC AWQS Values (µg/L)
	20-Sep-19	11-Oct-19	1-Nov-19	6-Dec-19	3-Jan-20	7-Feb-20	5-Mar-20	3-Apr-20	8-May-20	12-Jun-20	10-Jul-20	14-Aug-20	4-Sep-20	2-Oct-20	6-Nov-20	4-Dec-20	
Tetrachloroethene	**240**	**310**	**300**	**180**	**200**	**110**	**76**	**8.3**	**60**	**7.3**	**15**	**25**	**40**	**14**	**37**	**32**	5
Trichloroethene	**19**	**20**	**20**	**6.8**	4.8	**5.3**	3.7	4	3.6	13	**23**	**7.1**	3.4	**6.8**	3.4	2.4	5
cis 1,2-dichloroethene	**19**	**43**	**39**	**19**	**7.9**	**17**	**14**	ND	**10**	**75**	**88**	**7.5**	4.4	**29**	3.6	1.2	5
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.7**	**13**	**6.7**	1.3	**7.2**	2.8	ND	2
Totalizer Reading (gallons)	2,858,588	2,865,266	2,871,063	2,877,192	2,878,995	2,894,946	2,916,946	2,951,237	2,977,810	2,978,652	2,978,652	2,978,652	2,978,698	2,978,698	2,978,719	2,978,732	
Total Flow (gallons)	312,159,141	312,165,819	312,171,616	312,177,745	312,179,548	312,195,499	312,217,499	32,738,286	32,764,859	32,765,701	32,765,701	32,765,701	32,765,747	32,765,747	32,765,768	32,765,781	
Gallons between samples	14,680	6,678	5,797	6,129	1,803	15,951	22,000	34,291	26,573	842	0	0	46	46	21	13	
Parameter	RW-03[b]																NYSDEC AWQS Values (µg/L)
	20-Sep-19	11-Oct-19	1-Nov-19	6-Dec-19	3-Jan-20	7-Feb-20	5-Mar-20	3-Apr-20	8-May-20	12-Jun-20	10-Jul-20	14-Aug-20	4-Sep-20	2-Oct-20	6-Nov-20	4-Dec-20	
Tetrachloroethene	**240**	**190**	**220**	**210**	**230**	**190**	**200**	**190**	**180**	**200**	**200**	**170**	**190**	**200**	**170**	**210**	5
Trichloroethene	4.5	3.6	**20**	3	2.5	**5.3**	2.9	2.1	2.8	3.2	2.5 J	2.7 J	2.8 J	2.1	2.6	2.8	5
cis 1,2-dichloroethene	**6.7**	**14**	**39**	**6.3**	**7.1**	**17**	**5.5**	ND	**6.5**	**6.1**	4.9	**5.7**	**6.2**	**5.7**	**5.7**	**6**	5
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
Totalizer Reading (gallons)	724,490	739,260	818,900	941,330	1,048,600	1,180,080	1,279,740	1,385,180	NR	1,611,790	1,710,840	1,825,200	1,852,930	1,951,520	2,073,970	2,195,840	
Total Flow (gallons)	213,018,888	213,033,658	213,113,298	213,235,728	213,342,998	213,474,478	213,574,138	24,263,429	NR	24,490,039	24,589,089	24,703,449	24,731,179	24,829,769	24,952,219	25,074,089	
Gallons between samples	126,470	14,770	79,640	122,430	107,270	131,480	99,660	105,440	113,305	113,305	99,050	114,360	27,730	98,590	122,450	121,870	
Parameter	SYSTEM EFFLUENT																Effluent Limitations Daily Maximum Load [a]
	20-Sep-19	11-Oct-19	1-Nov-19	6-Dec-19	3-Jan-20	7-Feb-20	5-Mar-20	3-Apr-20	8-May-20	12-Jun-20	10-Jul-20	14-Aug-20	4-Sep-20	2-Oct-20	6-Nov-20	4-Dec-20	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
cis 1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
Totalizer Reading (gallons)	155,883,160	160,072,226	160,158,073	160,286,832	164,799,607	164,947,038	165,068,698	160,426,563	160,566,441	160,680,648	160,385,882	160,500,242	160,528,048	160,385,544	160,508,015	160,629,938	
Total Flow (gallons)	527,256,009	527,277,727	527,363,574	527,492,333	527,601,406	527,748,837	527,870,497	59,084,725	59,224,603	59,338,810	59,437,860	59,552,220	59,580,026	59,678,616	59,801,087	59,923,010	
Gallons between samples	141,580	21,718	85,847	128,759	109,073	147,431	121,660	139,731	139,878	114,207	99,050	114,360	27,806	98,636	122,471	121,903	

Table 1B Summary of Detected Metal Compounds for Treatment System Samples (November 2010 through March 2012)

Parameter	SYSTEM EFFLUENT																	Effluent Limitations Daily Maximum Load [a]
	19-Nov-10	**17-Dec-10**	**21-Jan-11**	**18-Feb-11**	**24-Mar-11**	**15-Apr-11**	**13-May-11**	**17-Jun-11**	**22-Jul-11**	**19-Aug-11**	**16-Sep-11**	**14-Oct-11**	**22-Nov-11**	**23-Dec-11**	**27-Jan-12**	**24-Feb-12**	**30-Mar-12**	
Iron	ND	ND	ND	ND	ND	2.12	0.155	ND	0.071	ND	ND	NS	NS	NS	NS	NS	ND	1000
Lead	ND	ND	ND	ND	ND	2.16	0.006	ND	0.010	ND	ND	NS	NS	NS	NS	NS	0.005	75
Total Suspended Solids [b]	10.5	7.0	1.5	17.5	10	ND	ND	14.0	2.5	ND	9.0	NS	NS	NS	NS	NS	**24.0**	20
Total Dissolved Solids [b]	412	400	418	352	375	340	390	357	380	375	415	NS	NS	NS	NS	NS	385	Monitor
Total Flow (gallons)[c]	14,295,510	29,064,620	44,521,069	60,337,809	76,719,069	83,516,959	90,832,159	98,841,569	107,365,039	116,331,179	125,714,499	140,907,819	157,299,789	174,737,389	182,222,218	190,251,288	198,950,948	
Gallons between samples	443,966	473,600	687,339	360,291	564,520	416,630	517,310	694,210	514,060	442,670	417,180	456,060	702,380	547,330	214,750	544,241	670,590	

(a) Treatment effluent limitations and monitoring requirements set forth in the Treatment System Operations and Maintenance Manual Dated July 1997

(b) Samples reported in milligrams per liter (mg/L)

(c) Flow meter at RW-03 reset to 0 gallons upon reaching 10,000,000 gallons during the Jan-Mar 2011 reporting period.

NOTES: ND = Non-detect

NS = Not sampled

Bold values indicate value greater than the discharge limitations

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through December 2020

Parameter	19-Nov-10			17-Dec-10			21-Jan-11		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene (PCE)	0.0293	ND	0.0293	0.0311	ND	0.0311	0.0284	ND	0.0284
Trichloroethene (TCE)	0.00003	ND	0.00003	0.0002	ND	0.0002	0.00001	ND	0.00001
cis 1,2-dichloroethene (DCE)	0.0001	ND	0.0001	0.0003	ND	0.0003	0.0014	ND	0.0014

Parameter	18-Feb-11			24-Mar-11			15-Apr-11		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0274	ND	0.0274	0.0294	ND	0.0294	0.0297	ND	0.0297
Trichloroethene	0.00002	ND	0.00002	0.00001	ND	0.00001	0.000002	ND	0.000002
cis 1,2-dichloroethene	0.0013	ND	0.0013	0.00002	ND	0.00002	0.0012	ND	0.0012

Parameter	13-May-11			17-Jun-11			22-Jul-11		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0250	ND	0.0250	0.0303	ND	0.0303	0.0256	ND	0.0256
Trichloroethene	0.00001	ND	0.00001	0.00002	ND	0.00002	0.0007	ND	0.0007
cis 1,2-dichloroethene	0.0011	ND	0.0011	0.0017	ND	0.0017	0.0019	ND	0.0019

Parameter	19-Aug-11			16-Sep-11			14-Oct-11		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0228	ND	0.0228	0.0212	ND	0.0212	NS	NS	NA
Trichloroethene	0.0002	ND	0.0002	0.00004	ND	0.00004	NS	NS	NA
cis 1,2-dichloroethene	0.0016	ND	0.0016	0.0017	ND	0.0017	NS	NS	NA

Parameter	30-Mar-12			27-Apr-12			13-Jul-12		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0266	ND	0.0266	0.0239	ND	0.0239	0.0186	0.0013	0.0173
Trichloroethene	0.00001	ND	0.00001	0.0000085	ND	0.0000085	0.0000144	ND	0.0000144
cis 1,2-dichloroethene	0.0012	ND	0.0012	0.0011	ND	0.0011	0.0011	ND	0.0011

(a) Influent concentration calculated from analytical results and total gallons treated from RW-01, RW-02, and RW-03

NOTES: ND = Not detected

All samples are reported in pounds per day (lb/day)

Monthly data not available for November 2011 through February 2012, and May - June 2012.

Analytical data results provided by New York State Department of Environmental Conservation Laboratories

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through December 2020

Parameter	21-Aug-12			21-Sep-12			19-Oct-12		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0259	ND	0.0259	0.0239	ND	0.0239	0.0270	0.00160	0.0254
Trichloroethene	0.000234	ND	0.000234	0.0000169	ND	0.0000169	0.000638	ND	0.000638
cis 1,2-dichloroethene	0.00106	ND	0.00106	0.00122	ND	0.00122	0.00114	ND	0.00114

Parameter	16-Nov-12			14-Dec-12			25-Jan-13		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0257	ND	0.0257	0.0164	ND	0.0164	0.0323	0.00110	0.0312
Trichloroethene	0.000622	ND	0.000622	0.000218	ND	0.000218	0.000905	ND	0.000905
cis 1,2-dichloroethene	0.00136	ND	0.00136	0.000577	ND	0.000577	0.00160	ND	0.00160

Parameter	15-Feb-13			22-Mar-13			19-Apr-13		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0194	ND	0.0194	0.0257	0.00110	0.0246	0.0234	ND	0.0234
Trichloroethene	0.000485	ND	0.000485	0.000655	ND	0.000655	0.000608	ND	0.000608
cis 1,2-dichloroethene	0.000875	ND	0.000875	0.00114	ND	0.00114	0.00104	ND	0.00104

Parameter	17-May-13			21-Jun-13			19-Jul-13		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0221	0.00190	0.0202	0.01298	ND	0.01298	0.0232	0.00	0.0200
Trichloroethene	0.000554	ND	0.000554	0.000297	ND	0.000297	0.000614	ND	0.000614
cis 1,2-dichloroethene	0.000827	ND	0.000827	0.000416	ND	0.000416	0.00100	ND	0.00100

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through December 2020

Parameter	23-Aug-13			20-Sep-13			18-Oct-13		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0270	0.00	0.0244	0.0254	ND	0.0254	0.0262	ND	0.0262
Trichloroethene	0.0006756	ND	0.0006756	0.000825	ND	0.000825	0.000653	ND	0.000653
cis 1,2-dichloroethene	0.00119	ND	0.00119	0.00113	ND	0.00113	0.00129	ND	0.00129

Parameter	15-Nov-13			20-Dec-13			24-Jan-14		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0203	0.00	0.0192	0.0220	0.00180	0.0202	0.0257	0.00	0.0231
Trichloroethene	0.000615	ND	0.000615	0.000694	ND	0.000694	0.002348	ND	0.002348
cis 1,2-dichloroethene	0.001768	ND	0.001768	0.00103	ND	0.00103	0.005680	ND	0.005680

Parameter	28-Feb-14			21-Mar-14			18-Apr-14		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0108	ND	0.0108	0.0236	0.0019	0.0217	0.0175	0.00120	0.0163
Trichloroethene	0.000277	ND	0.000277	0.000612	ND	0.000612	0.000492	ND	0.000492
cis 1,2-dichloroethene	0.00046	ND	0.00046	0.00103	ND	0.00103	0.000796	ND	0.000796

Parameter	16-May-14			13-Jun-14			18-Jul-14		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.01989	ND	0.01989	0.02249	0.00	0.02119	0.0195	ND	0.0195
Trichloroethene	0.000471	ND	0.000471	0.000433	ND	0.000433	0.000508	ND	0.000508
cis 1,2-dichloroethene	0.000776	ND	0.000776	0.000776	ND	0.000776	0.00075	ND	0.00075

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through December 2020

Parameter	22-Aug-14			12-Sep-14			17-Oct-14		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0210	ND	0.0210	0.0142	0.00200	0.0122	0.0149	ND	0.0149
Trichloroethene	0.0005012	ND	0.0005012	0.000367	ND	0.000367	0.000368	ND	0.000368
cis 1,2-dichloroethene	0.00064	ND	0.00064	0.00051	ND	0.00051	0.00077	ND	0.00077

Parameter	21-Nov-14			12-Dec-14			23-Jan-15		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0159	0.00	0.0159	0.0106	ND	0.0106	0.0156	ND	0.0156
Trichloroethene	0.000405	ND	0.000405	0.000283	ND	0.000283	0.000400	ND	0.000400
cis 1,2-dichloroethene	0.000626	ND	0.000626	0.00037	ND	0.00037	0.00080	ND	0.00080

Parameter	27-Feb-15			20-Mar-15			17-Apr-15		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0172	ND	0.0172	0.0002	ND	0.0002	0.0107	ND	0.0107
Trichloroethene	0.000400	ND	0.000400	0.000000	ND	0.000000	0.000500	ND	0.000500
cis 1,2-dichloroethene	0.000600	ND	0.000600	0.00010	ND	0.00010	0.00080	ND	0.00080

Parameter	22-May-15			19-Jun-15			24-Jul-15		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0114	ND	0.0114	0.0149	ND	0.0149	0.0233	ND	0.0233
Trichloroethene	0.000300	ND	0.000300	0.000400	ND	0.000400	0.000800	ND	0.000800
cis 1,2-dichloroethene	0.000400	ND	0.000400	0.00060	ND	0.00060	0.00180	ND	0.00180

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through December 2020

Parameter	14-Aug-15			18-Sep-15			28-Oct-15		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0508	ND	0.0508	0.0115	ND	0.0115	0.0079	ND	0.0079
Trichloroethene	0.0012000	ND	0.0012000	0.000200	ND	0.000200	0.000200	ND	0.000200
cis 1,2-dichloroethene	0.00170	ND	0.00170	0.00040	ND	0.00040	0.00030	ND	0.00030

Parameter	20-Nov-15			18-Dec-15			22-Jan-16		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0233	ND	0.0233	0.0111	ND	0.0111	0.0124	ND	0.0124
Trichloroethene	0.000500	ND	0.000500	0.000200	ND	0.000200	0.000300	ND	0.000300
cis 1,2-dichloroethene	0.000800	ND	0.000800	0.00050	ND	0.00050	0.00050	ND	0.00050

Parameter	25-Mar-16			27-May-16			24-Jun-16		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0098	ND	0.0098	0.0003	ND	0.000256	0.0006	ND	0.005767
Trichloroethene	0.000200	ND	0.000202	0.0088	ND	0.008766	0.0170	ND	0.017033
cis 1,2-dichloroethene	0.000400	ND	0.000354	0.0002	ND	0.000180	0.0004	ND	0.000371

Parameter	22-Jul-16			26-Aug-16			23-Sep-16		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0162	ND	0.016151	0.0105	ND	0.010518	0.0239	ND	0.023907
Trichloroethene	0.0004	ND	0.000351	0.0002	ND	0.000183	0.0003	ND	0.000323
cis 1,2-dichloroethene	0.0006	ND	0.000558	0.0003	ND	0.000271	0.0012	ND	0.001208

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through December 2020

Parameter	28-Oct-16			18-Nov-16			29-Dec-16		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0133	2.00	0.013274	0.0203	ND	0.020330	0.0176	ND	0.017637
Trichloroethene	0.0003	ND	0.000306	0.0004	ND	0.000351	0.0002	ND	0.000228
cis 1,2-dichloroethene	0.0006	ND	0.000564	0.0006	ND	0.000593	0.0005	ND	0.000518

Parameter	27-Jan-17			17-Feb-17			27-Mar-17		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0108	ND	0.010848	0.0133	ND	0.013329	0.0147	ND	0.014714
Trichloroethene	0.0003	ND	0.000250	0.0003	ND	0.000301	0.0002	ND	0.000224
cis 1,2-dichloroethene	0.0004	ND	0.000433	0.0004	ND	0.000350	0.0004	ND	0.000359

Parameter	21-Apr-17			19-May-17			23-Jun-17		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0123	ND	0.012328	0.0100	ND	0.009953	0.0093	ND	0.009324
Trichloroethene	0.0001	ND	0.000146	0.0002	ND	0.000195	0.0002	ND	0.000172
cis 1,2-dichloroethene	0.0003	ND	0.000310	0.0003	ND	0.000279	0.0003	ND	0.000294

Parameter	21-Jul-17			18-Aug-17			22-Sep-17		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0107	ND	0.010679	0.0109	ND	0.010925	0.0104	ND	0.010363
Trichloroethene	0.0003	ND	0.000264	0.0002	ND	0.000241	0.0001	ND	0.000139
cis 1,2-dichloroethene	0.0004	ND	0.000425	0.0003	ND	0.000264	0.0004	ND	0.000361

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through December 2020

Parameter	20-Oct-17			17-Nov-17			1-Dec-17		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0060	ND	0.006021	0.0088	ND	0.008782	NS	NS	NS
Trichloroethene	0.0002	ND	0.000158	0.0002	ND	0.000218	NS	NS	NS
cis 1,2-dichloroethene	0.0004	ND	0.000363	0.0002	ND	0.000235	NS	NS	NS

Parameter	19-Jan-18			23-Feb-18			23-Mar-18		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0028	ND	0.002818	0.0076	ND	0.007636	0.0089	ND	0.008930
Trichloroethene	0.0001	ND	0.000073	0.0002	ND	0.000173	0.0002	ND	0.000230
cis 1,2-dichloroethene	0.0001	ND	0.000121	0.0003	ND	0.000330	0.0004	ND	0.000356

Parameter	20-Apr-18			18-May-18			18-Jun-18		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0073	ND	0.007329	NS	NS	NS	0.0094	ND	0.009407
Trichloroethene	0.0002	ND	0.000181	NS	NS	NS	0.0003	ND	0.000257
cis 1,2-dichloroethene	0.0003	ND	0.000252	NS	NS	NS	0.0004	ND	0.000380

Parameter	20-Jul-18			31-Aug-18			28-Sep-18		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0090	ND	0.009030	0.0058	ND	0.005793	0.0036	ND	0.003573
Trichloroethene	0.0002	ND	0.000215	0.0002	ND	0.000222	0.0001	ND	0.000099
cis 1,2-dichloroethene	0.0003	ND	0.000261	0.0003	ND	0.000313	0.0002	ND	0.000171

Parameter	19-Oct-18			20-Nov-18			21-Dec-18		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0110	ND	0.011040	0.0108	ND	0.010849	0.0114	ND	0.011436
Trichloroethene	0.0003	ND	0.000261	0.0002	ND	0.000248	0.0002	ND	0.000221
cis 1,2-dichloroethene	0.0005	ND	0.000471	0.0004	ND	0.000400	0.0005	ND	0.000533

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through December 2020

Parameter	24-Jan-19			22-Feb-19			22-Mar-19		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0095	ND	0.009514	0.0036	ND	0.003601	0.0088	ND	0.008801
Trichloroethene	0.0003	ND	0.000254	0.0001	ND	0.000092	0.0002	ND	0.000183
cis 1,2-dichloroethene	0.0003	ND	0.000304	0.0002	ND	0.000210	0.0004	ND	0.000359

Parameter	26-Apr-19			24-May-19			21-Jun-19		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0071	ND	0.007050	0.0222	ND	0.022170	0.0069	ND	0.006886
Trichloroethene	0.0001	ND	0.000145	0.0004	ND	0.000434	0.0002	ND	0.000153
cis 1,2-dichloroethene	0.0003	ND	0.000259	0.0007	ND	0.000679	0.0002	ND	0.000244

Parameter	19-Jul-19			23-Aug-19			20-Sep-19		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0038	ND	0.003759	0.0373	ND	0.037347	0.0101	ND	0.010090
Trichloroethene	0.0001	ND	0.000134	0.0004	ND	0.000424	0.0003	ND	0.000253
cis 1,2-dichloroethene	0.0002	ND	0.000220	0.0011	ND	0.001137	0.0005	ND	0.000476

Parameter	11-Oct-19			1-Nov-19			6-Dec-19		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0019	ND	0.001938	0.0076	ND	0.007649	0.0064	ND	0.006389
Trichloroethene	0.0001	ND	0.000077	0.0001	ND	0.000138	0.0001	ND	0.000097
cis 1,2-dichloroethene	0.0004	ND	0.000368	0.0006	ND	0.000598	0.0002	ND	0.000226
Vinyl chloride	ND	ND	ND	ND	ND	ND	0.0000	ND	0.000002

Table 2 Mass Loading Discharge Values Sample Results for November 2010 through December 2020

Parameter	3-Jan-20			7-Feb-20			5-Mar-20		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0075	ND	0.007456	0.0064	ND	0.006371	0.0067	ND	0.006673
Trichloroethene	0.0001	ND	0.000082	0.0001	ND	0.000105	0.0001	ND	0.000114
cis 1,2-dichloroethene	0.0002	ND	0.000231	0.0003	ND	0.000259	0.0003	ND	0.000264
Vinyl chloride	0.0000	ND	0.000000	0.0000	ND	0.000000	0.0000	ND	0.000000

Parameter	3-Apr-20			8-May-20			12-Jun-20		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0066	ND	0.006580	0.0052	ND	0.005240	0.0054	ND	0.005401
Trichloroethene	0.0001	ND	0.000103	0.0001	ND	0.000098	0.0001	ND	0.000089
cis 1,2-dichloroethene	0.0003	ND	0.000305	0.0002	ND	0.000239	0.0002	ND	0.000180
Vinyl chloride	0.0000	ND	0.000000	0.0000	ND	0.000000	0.0000	ND	0.000001

Parameter	10-Jul-20			14-Aug-20			4-Sep-20		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0059	ND	0.005901	0.0046	ND	0.004633	0.0021	ND	0.002093
Trichloroethene	0.0001	ND	0.000074	0.0001	ND	0.000074	0.0000	ND	0.000031
cis 1,2-dichloroethene	0.0001	ND	0.000145	0.0002	ND	0.000155	0.0001	ND	0.000068
Vinyl chloride	0.0000	ND	0.000000	0.0000	ND	0.000000	0.0000	ND	0.000000

Parameter	2-Oct-20			6-Nov-20			4-Dec-20		
	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed	Influent	Effluent	Amount Removed
Tetrachloroethene	0.0059	ND	0.005873	0.0050	ND	0.004960	0.0069	ND	0.006897
Trichloroethene	0.0001	ND	0.000062	0.0001	ND	0.000076	0.0001	ND	0.000102
cis 1,2-dichloroethene	0.0002	ND	0.000168	0.0002	ND	0.000166	0.0002	ND	0.000225
Vinyl chloride	0.0000	ND	0.000000	0.0000	ND	0.000000	0.0000	ND	0.000000

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Table 3 Summary of Groundwater Table Elevations (August 2020)

Well Number	TOIC Elevation (ft AMSL)	Depth to Water Level (ft)	Groundwater Table Elevation (ft AMSL)	Well Condition Notes
OVERBURDEN MONITORING WELLS				
MW-1	363.51	13.1	350.41	Well head can be removed
MW-2	352.41	11.12	341.29	Missing lock
MW-3	350.93	8.33	342.60	Good
MW-4	348.77	7.55	341.22	Rusty lid on steel casing, hard to open
MW-101A	357.41	7.94	349.47	Good
MW-102A	355.94	WELL NOT GAUGED		Could not locate well
MW-103A	356.61	9.81	346.80	Good
MW-104A	368.47	WELL NOT GAUGED		Not included in gauging/sampling program
MW-105A	346.12	6.1	340.02	Good
MW-106A	351.68	11	340.68	Good
MW-107A	352.74	9.75	342.99	Good
MW-108A	351.19	7.2	343.99	Good
MW-111	356.15	9.39	346.76	Good
MW-112A	Not surveyed	WELL NOT GAUGED		Not included in gauging/sampling program
MW-113A	Not surveyed	WELL NOT GAUGED		Not included in gauging/sampling program
BEDROCK MONITORING WELLS				
MW-1B	363.77	13.23	350.54	Good
MW-2B	352.21	12.55	339.66	Good
MW-3B	349.92	7.27	342.65	Good
MW-4B	348.75	7.54	341.21	Good
MW-5B	349.91	WELL NOT GAUGED		Not included in gauging/sampling program
MW-101	356.75	WELL NOT GAUGED		Could not locate well
MW-102	356.44	WELL NOT GAUGED		Not included in gauging/sampling program
MW-104	368.12	23.72	344.40	Missing lock
MW-105	346.94	5.14	341.80	Missing well head
MW-106	351.91	11.25	340.66	PVC casing broken
MW-107	353.43	WELL NOT GAUGED		Not included in gauging/sampling program
MW-108	351.02	7.01	344.01	Missing lock
MW-109	345.80	7.24	338.56	Good
MW-110B	354.09	WELL NOT GAUGED		Not included in gauging/sampling program
RECOVERY WELLS				
RW-1	351.58	RECOVERY WELL - NOT GAUGED		Not included in gauging/sampling program
RW-2	348.75	RECOVERY WELL - NOT GAUGED		Not included in gauging/sampling program
RW-3	348.03	RECOVERY WELL - NOT GAUGED		Not included in gauging/sampling program
TEMPORARY WELLS, PIEZOMETERS, AND UNKNOWN WELLS				
TW-1	---	WELL NOT GAUGED		Not included in gauging/sampling program
TW-2	---	WELL NOT GAUGED		Not included in gauging/sampling program
TW-3	---	WELL NOT GAUGED		Not included in gauging/sampling program
TW-4	356.39	WELL NOT GAUGED		Not included in gauging/sampling program
TW-5	---	10.23	---	Good
PZ-1	352.17	WELL NOT GAUGED		Not included in gauging/sampling program
PZ-2	361.96	WELL NOT GAUGED		Not included in gauging/sampling program
PZ-3	---	WELL NOT GAUGED		Not included in gauging/sampling program
PZ-4	---	WELL NOT GAUGED		Not included in gauging/sampling program
PW-1	---	WELL NOT GAUGED		Not included in gauging/sampling program
SSI	---	WELL NOT GAUGED		Not included in gauging/sampling program
MW-N	---	WELL NOT GAUGED		Not included in gauging/sampling program
UNKN1	---	WELL NOT GAUGED		Not included in gauging/sampling program

NOTES: TOIC = Top of inner casing
AMSL = Above mean sea level
--- = Not available

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Table 4 Summary of Detected Volatile Organic Compounds in Groundwater Samples Collected August 10-11, 2020

Volatile Organic Compounds by U.S. Environmental Protection Agency Method 860B (µg/L)

Parameters List	MW-1 (O)[1]		MW-1B (B)[1]		MW-2 (O)		MW-2B (B)		MW-3 (O)		MW-3B (B)		MW-4 (O)		MW-4B (B)		TW-5		MW-101A (O)		NYSDEC AWQS (µg/L)
Acetone		U		U		U		U		U		U		U		U	4.6	J	3.2	J	50 (g)
Carbon disulfide		U		U		U		U		U		U		U		U		U	0.3	J	NS
Chloroform		U		U		U		U		U		U		U		U		U		U	7
cis-1,2 Dichloroethene		U		U	**5.2**			U		U		U		U		U	1.2		**8.0**		5
Methyl ethyl ketone		U		U		U		U		U		U		U		U		U		U	50 (g)
Tetrachloroethene		U		U	**43**			U		U		U		U		U	**28**			U	5
Toluene		U		U		U		U		U		U		U		U		U	0.89	J	5
Trichloroethene		U		U		U		U		U		U		U		U	2.3			U	5
Vinyl chloride		U		U		U		U		U		U		U		U		U	1.6		2

Parameters List	MW-103A (O)		MW-104 (B)		MW-105 (B)		MW-105A (O)		MW-106 (B)		FD-2020-08-11 (MW-106)		MW-106A (O)		MW-107A (O)		MW-108 (B)		MW-108A (O)		NYSDEC AWQS (µg/L)
Acetone		U		U		U		U		U		U		U		U		U		U	50 (g)
Carbon disulfide		U		U		U		U		U		U		U		U		U		U	NS
Chloroform		U		U		U		U		U		U		U		U		U		U	7
cis-1,2 Dichloroethene	**9.4**			U		U		U		U		U		U	1.3			U		U	5
Methyl ethyl ketone		U		U		U		U		U		U		U		U		U		U	50 (g)
Tetrachloroethene	**81**			U		U		U		U		U		U	**13**		1.1			U	5
Toluene		U		U		U	**66**			U		U		U		U		U		U	5
Trichloroethene	4.2			U		U		U		U		U		U	1.4			U		U	5
Vinyl chloride		U		U		U		U		U		U		U		U		U		U	2

Parameters List	MW-109 (B)		MW-111 (O)		FD-2020-08-10 (MW-111)		INJ-1		INJ-2		INJ-3		NYSDEC AWQS (µg/L)
Acetone		U		U		U	4.8	J		U	280		50 (g)
Carbon disulfide		U		U		U	0.62	J	90		13	J	NS
Chloroform		U	2.1		2.0			U		U		U	7
cis-1,2 Dichloroethene		U		U		U	**44**		**190**			U	5
Methyl ethyl ketone		U		U		U	5.4	J		U	**5,400**		50 (g)
Tetrachloroethene		U	4.2		4.0		**14**			U	**120**		5
Toluene		U		U		U	0.75	J		U		U	5
Trichloroethene		U		U		U	**32**		23		**20**		5
Vinyl chloride		U		U		U	**10**			U		U	2

NOTES:
1. (O) indicates overburden well; (B) indicates bedrock well.
ug/L = Microgram(s) per liter
NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standard
U = Analyte was analyzed for but not detected below the laboratory reporting limit.
J = Analyte detected between the Reported Detection Limit and the Method Detection Limit, concentration estimated.
(g) = NYSDEC Ambient Water Quality Standards guidance value
NS = No Standard
Analytical data results provided by Eurofins/Spectrum Analytical.
Bold values indicate the analyte was detected greater than the NYSDEC AWQS.

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Table 5 Historical Groundwater Analytical Results

DATE	MW-1			MW-1B			MW-2			MW-2B			MW-3			MW-3B			MW-4			MW-4B		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
October 1989	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
November 1991	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
February 1992	<1	---	---	<1	---	---	**610**	---	---	<1	---	---	<1	---	---	6	---	---	<1	---	---	<1	---	---
June 1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	---	---	---	---	---	---	---	---
July 17, 1997	---	---	---	---	---	---	**160**	**5**	**5.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---
November 4, 1997	---	---	---	---	---	---	**140**	ND	**9**	1	ND	ND	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---
July 14, 1998	---	---	---	---	---	---	**170**	ND	**9**	ND	ND	0.3	ND	ND	ND	0.6	ND	ND	---	---	---	---	---	---
November 4, 1998	---	---	---	---	---	---	**57**	ND	2.1	ND	ND	ND	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---
July 14, 1999	---	---	---	---	---	---	**32**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---
December 8, 1999	---	---	---	---	---	---	**66**	ND	4	ND	ND	1	NS	NS	NS	NS	NS	NS	---	---	---	---	---	---
May 2005	---	---	---	---	---	---	**8.3**	---	1.0J	---	---	1.7	---	---	---	---	---	---	---	---	---	---	---	---
October 2005	---	---	---	---	---	---	**74**	---	**12**	---	---	1.2	---	---	---	0.3 J	---	---	---	---	---	---	---	---
September 1, 2008	ND	ND	ND	ND	ND	ND	**119**	0.42	**10.2**	ND	ND	3.85	ND	ND	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND
August 24, 2009	ND	ND	ND	ND	ND	ND	**36.7**	ND	2.56	ND	ND	4.62	ND	ND	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND
November 22-23, 2010	ND	ND	ND	ND	ND	ND	**22.9**	ND	1.4	ND	ND	4.44	ND	ND	ND	ND	ND	0.68	ND	ND	ND	ND	ND	ND
March 21-22, 2012	ND	ND	ND	ND	ND	ND	3.12	ND	ND	ND	ND	0.43 J	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
July 23-24, 2013	NS	NS	NS	ND	ND	ND	**6.7**	ND	0.5 J	1.3 J	ND	ND	ND	ND	ND	ND	ND	0.87 J	ND	ND	ND	ND	ND	ND
November 10-11, 2014	ND	ND	ND	ND	ND	ND	**7**	ND	ND	ND	ND	3.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
February 8-10, 2016	ND	ND	ND	ND	ND	ND	**30**	ND	1.8 J	ND	ND	4.2 J	ND	ND	ND	ND	ND	0.68 J	ND	ND	ND	ND	ND	ND
December 3-5, 2018	ND	ND	ND	ND	ND	ND	**12**	ND	3	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
August 10-11, 2020	ND	ND	ND	ND	ND	ND	**43**	ND	5.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	MW-101			MW-101A			MW-102			MW-102A			MW-103			MW-103A			MW-104			MW-104A		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
October 1989	**1,400**	---	---	**24**	---	---	<5	---	---	<5	---	---	**450**	---	---	**1,500**	---	---	<5	---	---	<5	---	---
November 1991	**2,300**	---	---	**24**	---	---	<5	---	---	<5	---	---	**370**	---	---	**1,300**	---	---	<5	---	---	<5	---	---
February 1992	**530**	---	---	**28**	---	---	<1	---	---	2	---	---	**610**	---	---	**13,000**	---	---	<1	---	---	<1	---	---
June 1992	**1,200**	---	---	**20**	---	---	---	---	---	---	---	---	**800**	---	---	**5,000**	---	---	---	---	---	---	---	---
July 17, 1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**3,200**	**24**	**18**	ND	ND	ND	---	---	---
November 4, 1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**560**	**7**	ND	ND	ND	ND	---	---	---
July 14, 1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**1,200**	**8**	**12**	ND	ND	ND	---	---	---
November 4, 1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**160**	2.6	ND	ND	ND	ND	---	---	---
July 14, 1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**690**	**6**	**6.1**	ND	ND	ND	---	---	---
December 8, 1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**250**	**10**	2	NS	NS	NS	---	---	---
May 2005	**33**	1.1 J		4.7 J	---	---	---	---	---	0.83 J	---	---	---	---	---	**260 D**	**10**	**14**	---	---	---	---	---	---
October 2005	**91**	4.4 J	4.4 J	**16**	---	---	---	---	---	---	---	---	---	---	---	**240 D**	**7.2**	**6.4**	---	---	---	---	---	---
May 12 and 13, 2008	**34.5**	0.81	0.54	**7.57**	ND	ND	1.65	ND	ND	---	---	---	---	---	---	**412**	**9.33**	**13.7**	ND	0.13	ND	---	---	---
August 24, 2009	**29.3**	0.37 J	0.40 J	---	---	---	NS	NS	NS	1.29	ND	ND	---	---	---	**397**	**8.00 J**	**14.8**	ND	ND	ND	---	---	---
November 22-23, 2010	15.7	0.13	ND	NS	NS	NS	N S	NS	NS	1.14	ND	ND	NS	NS	NS	**437**	**9.8**	**16**	ND	ND	ND	NS	NS	NS
March 21-22, 2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.22	ND	ND	NS	NS	NS	**379**	**11.8**	**23.4**	ND	ND	ND	NS	NS	NS
July 23-24, 2013	ND	ND	ND	NS	NS	NS	NS	NS	NS	0.72 J	ND	ND	NS	NS	NS	**360 E**	**11**	**19**	ND	ND	ND	NS	NS	NS
November 10-11, 2014	**11**	ND	ND	NS	NS	NS	NS	NS	NS	.09 J	ND	ND	NS	NS	NS	**320**	**13**	**36**	ND	ND	ND	NS	NS	NS
February 8-10, 2016	NS	NS	NS	NS	NS	NS	NS	NS	NS	1 J	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS
December 3-5, 2018	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**300**	**18**	**51**	ND	ND	ND	ND	ND	ND
August 10-11, 2020	NS	NS	NS	ND	ND	8	NS	NS	NS	NS	NS	NS	NS	NS	NS	**81**	4.2	**9.4**	ND	ND	ND	NS	NS	NS

DATE	MW-105			MW-105A			MW-106			MW-106A			MW-107			MW-107A			MW-108			MW-108A		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
October 1989	<5	---	---	<5	---	---	<5	---	---	<5	---	---	**43**	---	---	**750**	---	---	**9**	---	---	<5	---	---
November 1991	<5	---	---	<5	---	---	<5	---	---	<5	---	---	**130**	---	---	**940**	---	---	<5	---	---	<5	---	---
February 1992	<1	---	---	<1	---	---	<1	---	---	<1	---	---	**190**	---	---	**850**	---	---	4	---	---	<1	---	---
June 1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
July 17, 1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	**360**	**11**	**19.5**	ND	ND	ND	ND	ND	ND
November 4, 1997	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	---	---	---	**440**	**12**	**30**	3	ND	ND	ND	ND	ND
July 14, 1998	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	**500**	**11**	**24**	5	ND	ND	ND	ND	ND
November 4, 1998	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	---	---	---	**340**	**11**	**18**	2	ND	ND	ND	ND	ND
July 14, 1999	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	**230**	**6.7**	**14**	2.2	ND	ND	ND	ND	ND
December 8, 1999	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	---	---	**230**	**6.7**	**14**	3	ND	ND	ND	ND	ND
May 2005	---	---	0.3 J	1.1 J	---	---	---	---	---	---	---	---	**11**	**6.4**	**26**	**10**	1.4 J	1.6 J	2.9	---	---	---	---	---
October 2005	---	---	---	1.4 J	---	12	---	---	---	---	---	---	**36**	**9.3**	**21**	**16**	---	4.1 J	1.2	---	---	---	---	---
May 12 and 13, 2008	0.11	ND	0.29	**21**	0.15	4.08	ND	0.13	ND	ND	ND	ND	---	---	---	**42.8**	2.42	2.07	3.01	ND	ND	ND	ND	ND
August 24, 2009	ND	ND	ND	**15.3**	0.14 J	3.02	ND	ND	ND	ND	ND	ND	---	---	---	**24.9**	2.23	3.94	1.58	ND	ND	ND	ND	0.19 J
November 22-23, 2010	ND	ND	ND	**7.98**	ND	1.22	ND	ND	ND	ND	ND	ND	---	---	---	**26.9**	3.3	**6.66**	1.25	ND	ND	ND	ND	0.17 J
March 21-22, 2012	ND	ND	ND	ND	ND	1.78	ND	ND	ND	ND	ND	ND	NS	NS	NS	**9.95**	0.71	0.56	1.64	ND	ND	ND	ND	0.14 J
July 23-24, 2013	ND	ND	ND	**8.1**	ND	0.76 J	ND	ND	ND	ND	ND	ND	NS	NS	NS	**18**	1.2 J	0.77 J	1.4 J	ND	ND	ND	ND	ND
November 10-11, 2014	ND	ND	ND	**5.3**	ND	3.2 J	ND	ND	ND	ND	ND	ND	NS	NS	NS	**16**	1.9 J	2.8 J	1.1 J	ND	ND	ND	ND	ND
February 8-10, 2016	ND	ND	ND	0.73 J	0.73 J	0.58 J	ND	ND	ND	ND	ND	ND	NS	NS	NS	**15**	1.9 J	1.3 J	0.97 J	ND	ND	ND	ND	ND
December 3-5, 2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	**23**	2	2	1	ND	ND	0.3 J	ND	ND
August 10-11, 2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	**13**	1.4	1.3	1.1	ND	ND	ND	ND	ND

DATE	MW-109			MW-111			TW-5			PZ-01			MW-112A			MW-113A		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
October 1989	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
November 1991	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
February 1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
June 1992	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
July 17, 1997	ND	ND	ND	**8.9**	0.7	0.5	---	---	---	---	---	---	---	---	---	---	---	---
November 4, 1997	NS	NS	NS	**58**	4	**8**	---	---	---	---	---	---	---	---	---	---	---	---
July 14, 1998	ND	ND	ND	**19**	2	1	---	---	---	---	---	---	---	---	---	---	---	---
November 4, 1998	NS	NS	NS	**57**	**5.2**	**5.3**	---	---	---	---	---	---	---	---	---	---	---	---
July 14, 1999	ND	ND	ND	**22**	ND	ND	---	---	---	---	---	---	---	---	---	---	---	---
December 8, 1999	NS	NS	NS	**40**	4	4	---	---	---	---	---	---	---	---	---	---	---	---
May 2005	---	---	---	1.4 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---
October 2005	---	---	---	**7.7**	---	---	---	---	---	---	---	---	---	---	---	---	---	---
May 12 and 13, 2008	ND	ND	ND	4.1	0.15	ND	**40.4**	2.73	1.5	---	---	---	---	---	---	---	---	---
August 24, 2009	ND	ND	ND	4.45	0.16 J	ND	**34.7**	2.88	1.68	---	---	---	---	---	---	---	---	---
November 22-23, 2010	ND	ND	ND	5.02	0.23 J	ND	**39.4**	3.02	2.13	---	---	---	---	---	---	---	---	---
March 21-22, 2012	ND	ND	ND	3.82	0.11 J	ND	**41.6**	2.44	1.23	---	---	---	---	---	---	---	---	---
July 23-24, 2013	NS	NS	NS	4.3 J	ND	ND	**33**	2.5 J	1.2 J	---	---	---	ND	ND	ND	ND	ND	ND
November 10-11, 2014	ND	ND	ND	3.6 J	ND	ND	**31**	2.7 J	1.2 J	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND
February 8-10, 2016	ND	ND	ND	3.9 J	ND	ND	**26**	1.9 J	0.99 J	NS	NS	NS	ND	ND	ND	ND	ND	ND
December 3-5, 2018	ND	ND	ND	4	ND	ND	**34**	2	1	NS	NS	NS	ND	ND	ND	ND	ND	ND
August 10-11, 2020	ND	ND	ND	2.4	ND	ND	**28**	2.3	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS

NOTES:
AWQS = Ambient Water Quality Standard
DCE = cis 1,2-dichloroethene
NYSDEC = New York State Department of Environmental Agency
PCE = Tetrachloroethene
TCE = Trichloroethene
--- = Not available
ND = The analyte was analyzed for, but was not detected above the sample reporting limit.
NS = Monitoring well not sampled.
J = Analyte detected between the Reported Detection Limit and the Method Detection Limit, concentration estimated
Samples are reported in microgram(s) per liter (µg/L).
Bold values indicate that the analyte was detected greater than the NYSDEC AWQS of 5 µg/L per each analyte .

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Table 6 Summary of Per- and Polyfluoroalkyl Substances in Residential Water Samples Collected 17 December 2019

Per- and Polyfluoroalkyl Substances by International Organization for Standardization Method 25101:2009 (ppt)								
Parameters List	**[redacted]-20191217**		**[redacted]-20191217**		**[redacted]-20191217**		**[redacted]-20191217**	
Perfluorobutanesulfonic Acid		U		U	0.78	J		U
Perfluoroheptanoic Acid (PFHpA)		U		U		U		U
Perfluorohexanesulfonic Acid		U		U	0.81	J		U
Perfluorononanoic Acid		U		U		U	0.26	J
Perfluorooctane Sulfonic Acid		U		U	1.3	J		U
Perfluorooctanoic acid (PFOA)		U		U		U		U

NOTES:

ppt = Part per trillion

U = Analyte was analyzed for but not detected below the laboratory reporting limit.

J = Analyte detected between the Reported Detection Limit and the Method Detection Limit, concentration estimated.

Analytical data results provided by TestAmerica Laboratories, Inc.

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Table 7 Summary of General Chemistry in Groundwater Samples

Sample Date	RW-1		RW-2		RW-3	
Total Organic Carbon (mg/L)						
10/11/2019	915		0.84	J	--	
11/1/2019	656		1.1		--	
12/6/2019	666		1.9		--	
1/3/2020	399		0.97	J	--	
2/7/2020	1.4		1.0		--	
3/5/2020	349		1.7		--	
4/3/2020	47		0.76	J	--	
5/8/2020	9.4		0.98	J	--	
6/12/2020	503		9.7		--	
7/10/2020	424		3.1		--	
8/14/2020	26.4		10.1		--	
9/4/2020	244		0.63	J	--	
10/2/2020	7.1		2.5		0.5	J
11/6/2020	6.7		1.0		--	
12/4/2020	6.6		1.0		--	
General Chemistry - 8/14/2020 (mg/L)						
Ammonia	0.016	J	0.1		0.1	
Total Kjeldahl Nitrogen	0.75		<0.15	U	<0.15	U
Total Dissolved Solids	1990		341		341	
Biochemical Oxygen Demand	601		<2.0	U	<2.0	U
Total Suspended Solids	43.6		<4.0	U	<4.0	U
pH	7.1		7.3		7.3	

NOTES:

mg/L = Milligram(s) per liter

U = Analyte was analyzed for but not detected below the laboratory reporting limit.

J = Analyte detected between the Reported Detection Limit and the Method Detection Limit, concentration estimated.

Analytical data results provided by Eurofins/Spectrum Analytical.

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Appendix A

Treatment System Effluent Limitations

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Water, Bureau of Water Permits
625 Broadway, Albany, New York 12233
www.dec.ny.gov

M E M O R A N D U M
SPDES Permit Equivalent

TO: Jeffrey Dyber, DER

FROM: Carol Lamb-LaFay, Bureau of Water Permits, DOW

SUBJECT: SPDES Permit Equivalent: Roxy Cleaners, DER Site ID# 4-42-024

DRAINAGE BASIN: 13 / 01

DATE: September 28, 2020

In response to your request dated September 21, 2020, attached please find the effluent limitations and monitoring requirements for the above noted remediation discharge.

The discharge consists of treated water from a groundwater remediation of a former dry cleaning site. The treatment system consists of a shallow tray air-stripper system.

The DOW does not have any regulatory authority over a discharge from a State, PRP, or Federal Superfund Site. DER will be responsible for ensuring compliance with the attached effluent limitations and monitoring requirements, and approval of all engineering submissions. Footnote 1 identifies the appropriate DER contact person who will receive all effluent results, engineering submissions, and modification requests. The Regional Water Engineer should be kept appraised of the status of this discharge and, in accordance with the attached criteria, receive a copy of the effluent results for informational purposes.

If you have any questions, please call Carol Lamb-LaFay at 518-402-8132.

Attachment (Effluent Limitations and Monitoring Requirements)

cc: Region 4 Regional Water Engineer (via email, w/attach)
BWP Section Chief, DOW (via email, w/attach)

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALL	DISCHARGE TYPE	RECEIVING WATER and CLASS	EFFECTIVE	EXPIRING
001	Treated Remediation Wastewater	Wynantskill Creek, Class B(T)	10/1/2020	9/30/2025

The discharges from the treatment facility shall be limited and monitored by the operator as specified below:

Outfall and Parameters	**CAS No.**	**Daily Max Limits**	**Units**	**Minimum Monitoring Requirements**		**FN**
Outfall 001				**Measurement Frequency**	**Sample Type**	
Flow	0	90000	gpd	Continuous	Recorder	
pH	NA	6 to 9	SU	Monthly	Grab	
Oil and Grease	NA	0	mg/L	Monthly	Grab	
Total Suspended Solids	NA	40	mg/L	Monthly	Grab	
Trichloroethylene	79-01-6	10	µg/L	Monthly	Grab	
Tetrachloroethylene	127-18-4	10	µg/L	Monthly	Grab	
Cis 1,2-Dichloroethylene	156-59-2	10	µg/L	Monthly	Grab	
Trans 1,2-Dichloroethylene	156-60-5	10	µg/L	Monthly	Grab	
Vinyl Chloride	75-01-4	10	µg/L	Monthly	Grab	
Methylene Chloride	75-09-2	10	µg/L	Monthly	Grab	
Methyl tert-butyl ether	1634-04-4	50	µg/L	Monthly	Grab	

Additional Conditions:

1. The discharge rate may not exceed the effective or design treatment system capacity. All monitoring data, engineering submissions and modification requests must be submitted to:

   Jenelle Gaylord
   Division of Environmental Remediation
   NYSDEC, 625 Broadway, Albany, New York 12233- 7015,
   Tel: 518-402- 9791

   With a copy sent to:

   Regional Water Engineer, Region 4
   1130 North Westcott Road, Schenectady, New York, 12306-2014 Phone: (518) 357-2045

2. Samples and measurements, to comply with the monitoring requirements specified above, must be taken from the effluent side of the final treatment unit prior to discharge to the receiving water body unless otherwise noted above.

3. Only site generated wastewater is authorized for treatment and discharge.

4. Authorization to discharge is valid only for the period noted above but may be renewed if appropriate. A request for renewal must be received 6 months prior to the expiration date to allow for a review of monitoring data and reassessment of monitoring requirements.

5. Both concentration (mg/l or µg/l) and mass loadings (lbs/day) must be reported to the Department for all parameters except flow and pH.

6. Any use of corrosion/scale inhibitors, biocidal-type compounds, or other water treatment chemicals used in the treatment process must be approved by the department prior to use.

7. This discharge and administration of this discharge must comply with the substantive requirements of 6NYCRR Part 750.

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Appendix B

Treatment System Inspection List

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ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Dec yr 18

Action	Req'd Freq	Unit	Date of Inspection				
			12/7/18	12/14/18	12/21/18	12/28/18	1/4/19
RW-1 Flow Rate	W	gpm	6	6	6	6	6
Flow Total	W	gal	579890	580120	580330	580540	580800
Filter Prs IN	W	psi	8	8	8	8	8
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-14.0	-13.5	-12.5	-14.1	-14.2
RW-2 Flow Rate	W	gpm	6	6	6	6	6
Flow Total	W	gal	2,393,575	2,408,719	2,423,723	2,436,621	2,453,642
Filter Prs IN	W	psi	6	6	6	6	6
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-6.6	-7.6	-7.3	-9.0	-7.3
RW-3 Flow Rate	W	gpm	12	12	12	12	12
Flow Total	W	gal	9797060	9,822,860	9848250	9,870,160	9,899,040
Filter Prs IN	W	psi	10	10	10	10	10
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-26.7	-27.3	-26.7	-26.4	-26.7
INFLUENT pH	W		6.8	6.8	6.7	6.8	6.9
EFFLUENT pH	W		6.8	7.1	6.8	6.9	7.1
INF Specific Conductance	W	mS/cm	588	579	583	577	591
EFF Specific Conductance	W	mS/cm	574	573	592	581	587
Carb #1 Prs Out	W	iwc	33	33	33	33	33
Carb #2 Prs Out	W	iwc	21	21	21	21	21
Carb #3 Prs Out	W	iwc	11	12	12	11	11
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	yes/ok	Yes/OK	yes/ok	yes/ok
Influent Air Gauge	W	iwc	.09	0.09	.09	0.09	0.09
Back of Stripper Gauge	W	iwc	42.8	400	37.7	42	41
Magnehelic Gauge	W	iwc	←	—	—		
Replenished 1st Aid Kit	As nec.	Y / N	NO	No	NO	No	No
Pump Out Sump	As nec.	Y / N	NO	No	NO	No	No
Chg'd RW sediment filter	As nec.	Y / N	NO	No	NO	No	No
Carbon Changed	As nec.	Y / N	NO	No	NO	No	No
EFF Catch Basin inspection	M	Y / N	Yes/OK	yes/ok	Yes/OK	yes/ok	yes/ok
EFF sample collected	M	Y / N	NO	No	Yes	No	No
RW-1 INF sample collected	M	Y / N	NO	No	Yes	No	No
RW-2 INF sample collected	M	Y / N	NO	No	Yes Dup	No	No
RW-3 INF sample collected	M	Y / N	NO	No	Yes	No	No
Combo INF sample collected	M	Y / N	NO	No	NO	No	No
Tested eye wash station	1/2 Y	Y / N	NO	No	NO	No	No
Tested fire extinguisher	Y	Y / N	NO	No	NO	No	No

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Jan yr 19

Action	Req'd Freq	Unit	Date of Inspection 1/11/19	1/18/19	1/24/19		
RW-1 Flow Rate	W	gpm	6	6			
Flow Total	W	gal	581,050	581250	581460		
Filter Prs IN	W	psi	8	8	8		
Filter Prs OUT	W	psi	6	6	6		
Water Level	W	feet	-12.4	-13.2	-15.7		
RW-2 Flow Rate	W	gpm	6	6			
Flow Total	W	gal	2,468,505	2,483,209	2,495,703		
Filter Prs IN	W	psi	6	6	6		
Filter Prs OUT	W	psi	6	6	6		
Water Level	W	feet	-7.2	-8.1	-6.8		
RW-3 Flow Rate	W	gpm	12	12			
Flow Total	W	gal	9,924,210	9949020	9970110		
Filter Prs IN	W	psi	10	12	12		
Filter Prs OUT	W	psi	6	6	6		
Water Level	W	feet	-26.0	26.6	-25.9		
INFLUENT pH	W		6.9	6.8	6.8		
EFFLUENT pH	W		6.9	6.8	6.8		
INF Specific Conductance	W	mS/cm	592	588	595		
EFF Specific Conductance	W	mS/cm	587	563	560		
Carb #1 Prs Out	W	iwc	33	33	33		
Carb #2 Prs Out	W	iwc	22	21	21		
Carb #3 Prs Out	W	iwc	11	11	11		
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK		
Influent Air Gauge	W	iwc	0.09	.09	.09		
Back of Stripper Gauge	W	iwc	45	40.9	40.9		
Magnehelic Gauge	W	iwc	—	—			
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO		
Pump Out Sump	As nec.	Y / N	NO	NO	NO		
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO		
Carbon Changed	As nec.	Y / N	NO	NO	NO		
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK		
EFF sample collected	M	Y / N	NO	NO	Yes / Dup		
RW-1 INF sample collected	M	Y / N	NO	NO	Yes		
RW-2 INF sample collected	M	Y / N	NO	NO	Yes		
RW-3 INF sample collected	M	Y / N	NO	NO	Yes		
Combo INF sample collected	M	Y / N	NO	NO	NO		
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO		
Tested fire extinguisher	Y	Y / N	NO	NO	NO		

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Feb yr 19

Action	Req'd Freq	Unit	Date of Inspection 2/1/19	2/8/19	2/15/19	2/22/19
RW-1 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	581740	581940	582190	582430
Filter Prs IN	W	psi	8	8	8	8
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	-14.3	-15.4	-12.4	-13.1
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	2,512,336	2,583,090	2,537,667	2,551,718
Filter Prs IN	W	psi	6	6	6	6
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	-7.5	-4.6	-7.1	-7.7
RW-3 Flow Rate	W	gpm	12	12	12	12
Flow Total	W	gal	9998070	0014130	12470	16,600
Filter Prs IN	W	psi	12	12	12	12
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	25.9	-25.0	-29.9	-3.6
INFLUENT pH	W		6.9	6.8	6.7	6.8
EFFLUENT pH	W		6.8	4.8	6.8	7.0
INF Specific Conductance	W	mS/cm	601	595	588	591
EFF Specific Conductance	W	mS/cm	588	573	564	587
Carb #1 Prs Out	W	iwc	33	30	30	32
Carb #2 Prs Out	W	iwc	21	20	20	20
Carb #3 Prs Out	W	iwc	11	10	10	10
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	.09	0.09
Back of Stripper Gauge	W	iwc	43.4	38.7	38.9	37
Magnehelic Gauge	W	iwc	—	—	—	—
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	yes/ok
EFF sample collected	M	Y / N	NO	NO	NO	yes
RW-1 INF sample collected	M	Y / N	NO	NO	NO	yes
RW-2 INF sample collected	M	Y / N	NO	NO	NO	yes (Dup)
RW-3 INF sample collected	M	Y / N	NO	NO	NO	yes
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo March yr 19

Action	Req'd Freq	Unit	Date of Inspection				
			3/1/19	3/8/19	3/15/19	3/22/19	3/29/19
RW-1 Flow Rate	W	gpm	6	6	6		
Flow Total	W	gal	582880	582920	583140	583140	0
Filter Prs IN	W	psi	8	8	8	0	0
Filter Prs OUT	W	psi	6	6	6	0	0
Water Level	W	feet	-13.7	-14.7	9.6	9.6	
RW-2 Flow Rate	W	gpm	6	6	6		
Flow Total	W	gal	2,566,293	2,579,938	2,593,095	2,606,527	2,619,824
Filter Prs IN	W	psi	6	6	6	6	6
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-8.1	-8.1	-7.5	-7.9	-7.9
RW-3 Flow Rate	W	gpm	12	12	12		
Flow Total	W	gal	43,680	70970	94040	122670	149120
Filter Prs IN	W	psi	12	12	12	12	12
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-26.1	-29.0	-25.5	-25.7	-29.2
INFLUENT pH	W		6.8	6.7	6.8	6.8	6.8
EFFLUENT pH	W		6.8	6.8	6.8	6.8	6.8
INF Specific Conductance	W	mS/cm	589	584	591	584	591
EFF Specific Conductance	W	mS/cm	577	561	563	566	588
Carb #1 Prs Out	W	iwc	32	32	32	32	32
Carb #2 Prs Out	W	iwc	20	20	20	20	20
Carb #3 Prs Out	W	iwc	10	10	10	10	10
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	.09	.09	.09
Back of Stripper Gauge	W	iwc	37.7	38.9	34.4	36.5	37.9
Magnehelic Gauge	W	iwc	—	—	—	—	
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	NO	NO	NO	Yes/OK	NO
EFF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-1 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-2 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-3 INF sample collected	M	Y / N	NO	NO	NO	Yes/Dup	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	No	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 12/7/18 System Running on Arrival, take System Readings. Perform System Maint, System Running ok on departure.

Date: 12/14/18 System running on arrival. Take system readings. Perform System maintenance. System running on departure.

Date: 12/21/18 System Running on Arrival, take System Readings. Perform System Maint and take System #5 Samples and deliver to lab. System Running ok on departure.

Date: 12/27/18 System running on arrival, take system readings, Perform system maintenance. System running ok on departure.

Date: 1/4/19 System running on arrival. Take system readings, Perform system maintenance. System running ok on departure.

Date: 1/11/19 System running on arrival. Take system readings. Perform system maintenance. System running on departure

Date: 1/18/19 System Running on Arrival, take system Readings. Perform System Maint. System Running ok on Departure

Date: 1/24/19 System Running on Arrival, take System Reading. Perform System Maint and take system Samples. Deliver to lab, System Running OK on departure.

Date: _____

Date: _____

Date: 2/1/19 System Running on Arrival, take System Readings Perform System Maint, System Running ok on departure.

Date: 2/8/19 System down due to Power outage. Install New Stripper Blower and Restart. Perform System Maint and Change filter on #3. Take System Readings, Running ok on departure

Date: 2/15/19 System Running on Arrival take System Readings. Door lock Not Working Needs to be Replaced and Pump #3 Going into thermal overload. Check Amp draw and that's ok. Tells me Pump is Going Bad. Got well Running but Sure its Going to Go down again. Cant Pull Pump at the Moment Snow Pile in the way. System Running ok on Departure.

Date: 2/22/19 System running on arrival: pump #3 in thermal overload. Reset VFD and restart Pump. Take system readings and perform maintenance. Collect system samples (Dup on RW2). System running on departure.

Date: _____

Date: 3/1/19 System Running on Arrival, take System Readings. Perform System Maint, System Running on departure.

Date: 3/8/19 System Running on Arrival, take System Readings. Perform System Maint, System Running ok on departure.

Date: 3/15/18 system Running on Arrival, take System Readings. Well #1 in Pump Mode But Not Bringing in Water But transducer Saying theres water, opened Well can hear Pump and checked Amp draw which is 2.8 So has what it Needs. Will bring water tape on friday to Confirm theres water. There was some drilling in front of building By Where lines Come in dont Know ~~if~~ if line was hit. Turned Pump 1 off

Date: 3/22/19 System Running on Arrival, Take System Readings. Perform System Maint, and take System Samples. Deliver to lab, system Running ok on departure

Date: 3/29/19 System Running on Arrival, take System Readings and Perform System Maint. System Running ok on departure.

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Apr. 1 yr 19

Action	Req'd Freq	Unit	Date of Inspection 4/5/19	4/12/19	4/19/19	4/26/19
RW-1 Flow Rate	W	gpm				
Flow Total	W	gal	0	0	0	0
Filter Prs IN	W	psi	X	=	X	X
Filter Prs OUT	W	psi	X	=	X	X
Water Level	W	feet				
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	2,623,122	2636733	2650236	2663675
Filter Prs IN	W	psi	6	5	5	5
Filter Prs OUT	W	psi	6	5	6	6
Water Level	W	feet	-4.9	6.9	-6.4	-7.0
RW-3 Flow Rate	W	gpm	12	12	12	12
Flow Total	W	gal	155690	182409	209430	236280
Filter Prs IN	W	psi	12	10	12	12
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	-26.2	28.4	-25.8	-29.4
INFLUENT pH	W		6.7	6.8	6.8	6.8
EFFLUENT pH	W		6.8	6.8	6.8	6.8
INF Specific Conductance	W	mS/cm	582	584	579	584
EFF Specific Conductance	W	mS/cm	564	566	564	566
Carb #1 Prs Out	W	iwc	30	30	30	30
Carb #2 Prs Out	W	iwc	20	20	20	20
Carb #3 Prs Out	W	iwc	10	10	10	10
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/ok	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	.09	.09
Back of Stripper Gauge	W	iwc	37.4	37	33.8	36.2
Magnehelic Gauge	W	iwc	—	—	—	—
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	Yes RW2	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/ok	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	NO	Yes/Dup
RW-1 INF sample collected	M	Y / N	NO	NO	NO	Yes
RW-2 INF sample collected	M	Y / N	NO	NO	NO	Yes
RW-3 INF sample collected	M	Y / N	NO	NO	NO	Yes
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo May yr 19 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection 5/3/19	5/10/19	5/17/19	5/24/19	5/31/19
RW-1 Flow Rate	W	gpm					
Flow Total	W	gal	0	0	0	0	0
Filter Prs IN	W	psi	X	X	X	X	X
Filter Prs OUT	W	psi					
Water Level	W	feet					
RW-2 Flow Rate	W	gpm	6	6	6	6	6
Flow Total	W	gal	2,677,099	2,690,588	2,703,683	2,716,940	2,730,120
Filter Prs IN	W	psi	6	6	6	6	6
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-7.0	-7.4	-7.2	-7.3	-8.0
RW-3 Flow Rate	W	gpm	12	12	12	12	12
Flow Total	W	gal	263250	279770	316050	342190	367980
Filter Prs IN	W	psi	12	12	12	12	12
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-29.4	-24.8	-28.9	-26.2	-29.4
INFLUENT pH	W		6.7	6.8	6.8	6.8	6.7
EFFLUENT pH	W		6.8	6.8	6.8	6.8	6.8
INF Specific Conductance	W	mS/cm	580	586	592	588	593
EFF Specific Conductance	W	mS/cm	569	563	577	567	574
Carb #1 Prs Out	W	iwc	30	30	30	30	30
Carb #2 Prs Out	W	iwc	20	20	20	20	20
Carb #3 Prs Out	W	iwc	10	10	10	10	10
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	.09	.09	.09
Back of Stripper Gauge	W	iwc	34.6	35.3	36.2	35.4	35.8
Magnehelic Gauge	W	iwc	—	—	—	—	—
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-1 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-2 INF sample collected	M	Y / N	NO	NO	NO	Yes/Dup	NO
RW-3 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo June yr 19

Action	Req'd Freq	Unit	Date of Inspection			
			6/7/19	6/14/19	6/21/19	6/28/19
RW-1 Flow Rate	W	gpm			6	6
Flow Total	W	gal	0	0	583210	583230
Filter Prs IN	W	psi	X	X	8	8
Filter Prs OUT	W	psi	X	X	6	6
Water Level	W	feet			-20.0	-15.6
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	2,743,406	2,756,566	2,761,788	2,763,473
Filter Prs IN	W	psi	6	6	6	6
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	-7.4	-8.1	-2.3	-2.4
RW-3 Flow Rate	W	gpm	12	12	12	12
Flow Total	W	gal	394010	419780	440680	445850
Filter Prs IN	W	psi	12	12	12	12
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	-28.4	-27.0	-26.8	-15.6
INFLUENT pH	W		6.8	6.7	6.8	6.8
EFFLUENT pH	W		6.8	6.8	6.8	6.8
INF Specific Conductance	W	mS/cm	588	574	591	587
EFF Specific Conductance	W	mS/cm	571	569	570	564
Carb #1 Prs Out	W	iwc	30	30	20	20
Carb #2 Prs Out	W	iwc	20	20	15	15
Carb #3 Prs Out	W	iwc	10	10	5	5
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	.09	.09
Back of Stripper Gauge	W	iwc	36.8	44.3	38.8	
Magnehelic Gauge	W	iwc	—	—	—	—
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	Yes	NO
RW-1 INF sample collected	M	Y / N	NO	NO	Yes	NO
RW-2 INF sample collected	M	Y / N	NO	NO	Yes	NO
RW-3 INF sample collected	M	Y / N	NO	NO	Yes/Dup	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 4/5/19 System down on Arrival No Alarms, I Believe it was a Power outage. Restart and Adjust, Perform System Maint. System Running ok on departure.

Date: 4/19/19 System Running on Arrival take System Readings. Perform System Maint, System Running ok on departure.

Date: 4/26/19 System Running on Arrival, take System Readings. Perform System Maint, System Running ok on departure.

Date: _____

Date: _____

Date: 5/3/19 System Running on Arrival take System Readings. Perform System Maint, System Running ok on departure.

Date: 5/10/19 System Running on Arrival, take System Reading. Perform System Maint, System Running ok on departure.

Date: 5/17/19 System Running on Arrival, take System Readings. Perform System Maint, System Runing ok on departure.

Date: 5/24/19 System Running on Arrival. Take samples and Perform System Maint.

Date: 5/31/19 System Running on Arrival, take System Readings. Perform system Maint. Pull New Control Cable for RW 1 Through Conduit. System Running OK on departure

Date: 6/7/19 System Running on Arrival Take System Readings. Perform System Maint. System Running ok on departure.

Date: 6/14/19 System Running on Arrival, take System Readings, Perform System Maint. Stripper Should Be Cleaned Soon Pressure Climbing. System Running ok on departure.

Date: 6/21/19 System Running on Arrival, take System Readings, perform System Maint (Clean Water Meter #2 Not Running on Arrival Plugged. Take System Samples and deliver to lab. Stripper Need Cleaning. System Running ok on departure.

Date: 6/28/19 System down on Arrival drain Knock out and Restart. Wath System seems to be ok, Stripper Need Cleaning. System Running ok on departure

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo July yr 19

Action	Req'd Freq	Unit	Date of Inspection 7/12/19	7/19/19	7/26/19		
RW-1 Flow Rate	W	gpm	6	6	6		
Flow Total	W	gal	583340	583430	583530		
Filter Prs IN	W	psi	9	8	8		
Filter Prs OUT	W	psi	6	6	6		
Water Level	W	feet	-13.7	-16.8	-14.3		
RW-2 Flow Rate	W	gpm	6	6	6		
Flow Total	W	gal	2,772,387	2,785,888	2,799,007		
Filter Prs IN	W	psi	6	6	6		
Filter Prs OUT	W	psi	6	6	6		
Water Level	W	feet	-6.4	-8.2	-8.3		
RW-3 Flow Rate	W	gpm	12	12	12		
Flow Total	W	gal	469100	482740	482770		
Filter Prs IN	W	psi	12	12	12		
Filter Prs OUT	W	psi	6	6	6		
Water Level	W	feet	-27.8	-21.7	-8.4		
INFLUENT pH	W		6.8	6.8	6.7		
EFFLUENT pH	W		6.8	6.8	6.8		
INF Specific Conductance	W	mS/cm	587	592	588		
EFF Specific Conductance	W	mS/cm	569	569	566		
Carb #1 Prs Out	W	iwc	30	30	30		
Carb #2 Prs Out	W	iwc	20	20	20		
Carb #3 Prs Out	W	iwc	10	10	10		
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes lOK	Yes lOK	Yes lOK		
Influent Air Gauge	W	iwc	.09	.09	.09		
Back of Stripper Gauge	W	iwc	27.2	24.9	26.5		
Magnehelic Gauge	W	iwc	—	—			
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO		
Pump Out Sump	As nec.	Y / N	NO	NO	NO		
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO		
Carbon Changed	As nec.	Y / N	NO	NO	NO		
EFF Catch Basin inspection	M	Y / N	Yes lOK	Yes lOK	Yes lOK		
EFF sample collected	M	Y / N	NO	Yes	NO		
RW-1 INF sample collected	M	Y / N	NO	Yes	NO		
RW-2 INF sample collected	M	Y / N	NO	Yes Dup	NO		
RW-3 INF sample collected	M	Y / N	NO	Yes	NO		
Combo INF sample collected	M	Y / N	NO	NO	NO		
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO		
Tested fire extinguisher	Y	Y / N	NO	NO	NO		

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 7/12/19 System Running on Arrival, take System Readings. Came to Site on 7/9/19 and Cleaned Stripper. and Restarted. Perform System Maint, System Running OK on departure.

Date: 7/19/19 System Running on Arrival, take System Readings. Perform System Maint, and take System Samples. System Running OK on departure.

Date: 7/26/19 System Running on Arrival, take System Readings. RW 3 VFD was down on Thermal overload Reset Running ok. Perform System Maint, System Running ok on departure.

Date: _____

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Aug yr 19

Action	Req'd Freq	Unit	Date of Inspection 8/2/19	8/9/19	8/16/19	8/23/19	8/30/19
RW-1 Flow Rate	W	gpm	6	6	6	6	6
Flow Total	W	gal	583630	583730	583840	583930	584020
Filter Prs IN	W	psi	8	8	8	8	8
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-14.1	-15.8	-12.4	-14.3	-12.5
RW-2 Flow Rate	W	gpm	6	6	6	6	6
Flow Total	W	gal	2,811,090	2,820,091	2,831,545	2,843,908	2,853,944
Filter Prs IN	W	psi	6	6	4	4	6
Filter Prs OUT	W	psi	6	6	4	4	6
Water Level	W	feet	-7.4	-4.5	-7.9	-0.4	8.4
RW-3 Flow Rate	W	gpm	12	12	12	12	12
Flow Total	W	gal	514210	539880	573200	588020	631460
Filter Prs IN	W	psi	12	12	12	12	12
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-23.0	-12.6	-24.6	-3.6	21.7
INFLUENT pH	W		6.8	6.7	6.6	6.7	6.8
EFFLUENT pH	W		6.8	6.8	6.6	6.8	6.8
INF Specific Conductance	W	mS/cm	577	591	581	597	601
EFF Specific Conductance	W	mS/cm	569	570	560	576	584
Carb #1 Prs Out	W	iwc	30	30	30	30	30
Carb #2 Prs Out	W	iwc	20	20	20	20	20
Carb #3 Prs Out	W	iwc	10	10	10	10	10
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	.09	.09	.09
Back of Stripper Gauge	W	iwc	29.6		30.7	31.9	31.1
Magnehelic Gauge	W	iwc	—	—	—	—	—
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	NO	Yes/Dup	NO
RW-1 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-2 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
RW-3 INF sample collected	M	Y / N	NO	NO	NO	Yes	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 8/2/19 System Running on Arrival, take System Reading. Perform System Maint, System Running ok on departure.

Date: 8/9/19 System down on Power loss, Restart and Adjust. Perform System Maint, System Running ok on departure

Date: 8/16/19 System Running on Arrival, take System Readings. Perform System Maint, System Running on departure.

Date: 8/23/19 System Running on Arrival, take System Readings. Perform System Maint and take System Samples. System Running on departare, deliver Samples to lab.

Date: 8/30/19 System Running on Arrival, take System Readings. Perform System Readings, System Running ok on departure.

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Sept yr 19

Action	Req'd Freq	Unit	Date of Inspection 9/6/19	9/13/19	9/20/19	9/27/19
RW-1 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	584110	584190	584270	584350
Filter Prs IN	W	psi	8	8	8	
Filter Prs OUT	W	psi	6	6	6	
Water Level	W	feet	-13.3	-13.8	-15.7	-15.6
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	2,855,048	2,856,893	2,858,588	2,860,431
Filter Prs IN	W	psi	6	6	6	6
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	8.7	8.8	8.2	7.8
RW-3 Flow Rate	W	gpm	12	12	12	0
Flow Total	W	gal	642700	693850	724490	724490
Filter Prs IN	W	psi	8	8	8	8
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	-21.7	21.7	-36.0	-34.0
INFLUENT pH	W		6.8	6.9	6.8	6.8
EFFLUENT pH	W		6.8	6.7	6.7	6.8
INF Specific Conductance	W	mS/cm	599	613	6.06	594
EFF Specific Conductance	W	mS/cm	574	604	597	581
Carb #1 Prs Out	W	iwc	30	32	32	32
Carb #2 Prs Out	W	iwc	20	21	20	20
Carb #3 Prs Out	W	iwc	10	10	10	10
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	0.09	.09	.09
Back of Stripper Gauge	W	iwc	32.0	33	31.4	27.4
Magnehelic Gauge	W	iwc	~			
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	NO	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	Yes	NO
RW-1 INF sample collected	M	Y / N	NO	NO	Yes	Yes
RW-2 INF sample collected	M	Y / N	NO	NO	Yes	Yes
RW-3 INF sample collected	M	Y / N	NO	NO	Yes Dup	Yes
Combo INF sample collected	M	Y / N	NO	No	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 9/6/19 System Running on Arrival, take System Readings. #2 water Meter Not spinning take apart and Clean and Replace Working ok Now. Perform System Maint, System Running ok on departure.

Date: 9/13/19 System running on arrival take system readings. Note issue w/ transducers in RW-2 and RW-3 reading full scale, troubleshoot issue. Leave system running until repairs are mate. Perform system maintenance, system running on departure.

Date: 9/20/19 system Running on Arrival, take System Readings and System Samples. Waiting for Parts to fix transducer. perform System Maint System Running ok on departure.

Date: 9/27/19 System Running on Arrival take system Readings. Take Extra set of samples and deliver to lab. Something Wrong With tranducer on 2 and 3 Terry working on it. System Running ok on departure.

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Oct yr 19

Action	Req'd Freq	Unit	Date of Inspection 10/4/19	10/11/19	10/18/19	10/25/19
RW-1 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	584430	584540	584630	584810
Filter Prs IN	W	psi	8	8	8	8
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	-12.8	-13.8	-13.7	-13.6
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	2,862,886	2,865,266	2,867,620	2,869,495
Filter Prs IN	W	psi	8	8	8	10
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	7.3	-1.4	0.9	-0.2
RW-3 Flow Rate	W	gpm	0	12	12	12
Flow Total	W	gal	724490	739260	765440	792260
Filter Prs IN	W	psi	0	12	12	12
Filter Prs OUT	W	psi	0	6	6	6
Water Level	W	feet	-36.0	-29.7	-29.2	-28.0
INFLUENT pH	W		6.8	6.8	6.7	6.8
EFFLUENT pH	W		6.8	6.8	6.8	6.8
INF Specific Conductance	W	mS/cm	587	591	601	598
EFF Specific Conductance	W	mS/cm	576	576	584	566
Carb #1 Prs Out	W	iwc	32	30	30	30
Carb #2 Prs Out	W	iwc	20	20	20	20
Carb #3 Prs Out	W	iwc	10	10	10	10
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	.09	.09
Back of Stripper Gauge	W	iwc	30.8	38.2	39.9	40.7
Magnehelic Gauge	W	iwc	–	–	–	–
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	Yes	NO	NO
RW-1 INF sample collected	M	Y / N	NO	Yes	NO	NO
RW-2 INF sample collected	M	Y / N	NO	Yes	NO	NO
RW-3 INF sample collected	M	Y / N	NO	Yes/Dup	NO	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 10/4/19 System Running on Arrival, Take System Readings. #3 Not Running Waiting on Parts. ~~Perform~~ Perform System Maint, System Running ok on departure.

Date: 10/11/19 System Running on Arrival, take System Readings. Terry Stopped did some Repairs and All wells Now Pumping. Perform System Maint, and take System Samples. System Running ok on departure.

Date: 10/18/19 System Running on Arrival, take System Readings. Perform System Maint, System Running ok on departure.

Date: 10/25/19 System Running on Arrival, Take System Readings. Perform System Maint, System Running ok on departure.

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Nov yr 19

Action	Req'd Freq	Unit	Date of Inspection			
			11/1/19	11/8/19	11/15/19	11/22/19
RW-1 Flow Rate	W	gpm	6	6	6	0
Flow Total	W	gal	584950	585130	585150	585150
Filter Prs IN	W	psi	8	8	[illegible]	8
Filter Prs OUT	W	psi	6	6	[illegible]	
Water Level	W	feet	-25.0	-15.7	-9.2	-8.6
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	2,871,043	2,872,270	2,872,416	2,874,665
Filter Prs IN	W	psi	10	10	6	6
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	-1.1	-0.3	-0.6	-0.4
RW-3 Flow Rate	W	gpm	12	12	12	12
Flow Total	W	gal	818900	844,450	8615600	888,310
Filter Prs IN	W	psi	8	8	[illegible]11	13
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	-28.9	-21.4	-27.8	-29.9
INFLUENT pH	W		6.8	6.8	6.8	6.9
EFFLUENT pH	W		6.8	6.8	6.8	6.9
INF Specific Conductance	W	mS/cm	595	569	584	597
EFF Specific Conductance	W	mS/cm	581	554	577	590
Carb #1 Prs Out	W	iwc	30	30	32	33
Carb #2 Prs Out	W	iwc	20	20	22	22
Carb #3 Prs Out	W	iwc	10	10	12	11
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	.09	0.09
Back of Stripper Gauge	W	iwc	44.5	48.6	32.6	33
Magnehelic Gauge	W	iwc	—	—	—	—
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	Yes 2and3	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	Yes Dup	NO	NO	NO
RW-1 INF sample collected	M	Y / N	Yes	NO	NO	NO
RW-2 INF sample collected	M	Y / N	Yes	NO	NO	NO
RW-3 INF sample collected	M	Y / N	Yes	NO	NO	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 11/1/19 System Running on Arrival, take System Readings and Samples. Perform Maint and deliver Sample to lab. System Running ok on departure.

Date: 11/8/19 System down on Arrival overlevel Stripper Pran Shutdown. Restart System, Running ok But Need Stripper Cleaning. Running ok on departure.

Date: 11/15/19 Cleaned Stripper on 11/11/19 Restarted with only RW3 Running. as Per Joe VanUdentz Talke To Him after leaving and wanted it turned Back on as off Todays visit. Restart 2 and take System Readings, and Perform System Maint. water Meter on 2 Catching from time to time Cleaned still doing it Should be Replaced. System Running ok on departure.

Date: 11/22/19 System running on arrival. Take system readings. Perform System maintenance. System running ok on departure.

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Dec yr 2019 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection 12/4/19	12/6/19	12/20/19	12/23/19	
RW-1 Flow Rate	W	gpm		0	0	0	
Flow Total	W	gal		585,150	585,170	585,170	
Filter Prs IN	W	psi		0	0	0	
Filter Prs OUT	W	psi		0	0	0	
Water Level	W	feet		-8.7	-7.3	-7.5	
							Totalizer reading for 12/23 should read 2,879,499
RW-2 Flow Rate	W	gpm		6	6	6	
Flow Total	W	gal		2,877,192	2,878,333	2,874,499	
Filter Prs IN	W	psi		5	5		
Filter Prs OUT	W	psi		6	6		
Water Level	W	feet		-8.4	-8.0	-8.1	
RW-3 Flow Rate	W	gpm		12	12	12	
Flow Total	W	gal		941,330	995,440	1,006,790	
Filter Prs IN	W	psi		13	13	13	
Filter Prs OUT	W	psi		8	8	8	
Water Level	W	feet		-27.8	-26.4	-28.2	
INFLUENT pH	W			6.9	7.0	6.8	
EFFLUENT pH	W			7.1	7.2	7.0	
INF Specific Conductance	W	mS/cm		592	595	601	
EFF Specific Conductance	W	mS/cm		581	601	603	
Carb #1 Prs Out	W	iwc		33	35	33	
Carb #2 Prs Out	W	iwc		22	23	22	
Carb #3 Prs Out	W	iwc		12	12	12	
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N		Yes/ok	Yes/ok	Yes/ok	
Influent Air Gauge	W	iwc		0.09	0.09	0.09	
Back of Stripper Gauge	W	iwc		34	38	35	
Magnehelic Gauge	W	iwc					
Replenished 1st Aid Kit	As nec.	Y / N		No	No	No	
Pump Out Sump	As nec.	Y / N		No	No	No	
Chg'd RW sediment filter	As nec.	Y / N		No	No	No	
Carbon Changed	As nec.	Y / N		No	No	No	
EFF Catch Basin inspection	M	Y / N		Yes/ok	Yes/ok	Yes/ok	
EFF sample collected	M	Y / N		Yes	No	No	
RW-1 INF sample collected	M	Y / N		Yes	No	No	
RW-2 INF sample collected	M	Y / N		Yes	No	No	
RW-3 INF sample collected	M	Y / N		Yes	No	No	
Combo INF sample collected	M	Y / N		No	No	No	
				Dup = EFF.			
Tested eye wash station	1/2 Y	Y / N		No	No	No	
Tested fire extinguisher	Y	Y / N		No	No	No	

NOTE: DOUBLE –SIDED FORM – D ***ATED COMMENTS SECTION ON REVERSE SIDE***

Date: 12/4/19 System running on arrival. Shut down system, troubleshoot transducer issues in RW-2, modify PLC program and resolve issue. Replace faulty light fixture. Restart system and demobilize.

Date: 12/6/19 System running on arrival. Collect system readings and system samples. perform system [redacted] maintenance. System running on departure. Duplicate sample from effluent sample port.

Date: 12/20/19 System running on arrival. Collect system readings and perform system maintenance. System running well on departure.

Date: 12/23/19 System running on arrival. Collect system readings and perform system maintenance. System running well on departure.

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Jan yr 2020

Action	Req'd Freq	Unit	Date of Inspection				
			1/3/20	1/10/20	1/17/20	1/24/20	1/30/20
RW-1 Flow Rate	W	gpm	0	0	0		
Flow Total	W	gal	585180	585180		0	0
Filter Prs IN	W	psi	0	0			
Filter Prs OUT	W	psi	0	0			
Water Level	W	feet	-6.7	-6.7			
RW-2 Flow Rate	W	gpm	2,878,995	2,879,192		6	6
Flow Total	W	gal	6	0	0	2,879,344	2,892,382
Filter Prs IN	W	psi	5	4		6	11
Filter Prs OUT	W	psi	6	6		6	6
Water Level	W	feet	-8.0	-8.2		-11.4	-8.9
RW-3 Flow Rate	W	gpm	12	12	12	12	12
Flow Total	W	gal	1048600	1075450	1101760	1128420	1154280
Filter Prs IN	W	psi	13	13	13	13	13
Filter Prs OUT	W	psi	8	8	8	8	8
Water Level	W	feet	-27.9	-28.7	-27.6	-28.9	-25.2
INFLUENT pH	W		7.1	6.9	6.8	6.8	6.8
EFFLUENT pH	W		7.4	6.9	6.8	6.9	6.8
INF Specific Conductance	W	mS/cm	590	588	592	591	
EFF Specific Conductance	W	mS/cm	587	571	567	572	
Carb #1 Prs Out	W	iwc	32	32	32	32	32
Carb #2 Prs Out	W	iwc	21	21	21	21	21
Carb #3 Prs Out	W	iwc	11	11	11	11	11
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	0.09	.09	.09	.09	.09
Back of Stripper Gauge	W	iwc	35	38.1	44.2	42.1	42.2
Magnehelic Gauge	W	iwc	—	—	—		
Replenished 1st Aid Kit	As nec.	Y / N	No	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	No	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	No	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	No	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/ok	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	yes	NO	NO	NO	NO
RW-1 INF sample collected	M	Y / N	Yes	NO	NO	NO	NO
RW-2 INF sample collected	M	Y / N	yes	NO	NO	NO	NO
RW-3 INF sample collected	M	Y / N	yes	NO	NO	NO	NO
Combo INF sample collected	M	Y / N	No	NO	NO	NO	NO
			Dup = Rw-3				
Tested eye wash station	1/2 Y	Y / N	No	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NP	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 1/3/20 System running on arrival, Record system readings and perform plant maintenance. Collect system samples. System running well on departure.

Date: 1/10/19 System Running on Arrival, take system Readings and Perform Plant Maint. EW 2 Not Pumping well spitting on and off Believe Pump is bad, Pull Check out Pump Running Intermitantly Remove. Need to be Replaced. Brought Back to Shop.

Date: 1/17/19 System Running on Arrival, take system Readings. Perform System Maint, system Running ok on Departure.

Date: 1/24/20 System Running on Arrival, Install New Pump and Mtr in Well 2 Hook up and start. Adjust Settings and make Adjustments. Take System Readings System Running ok on departure.

Date: 1/30/20 System Running on Arrival, take System Readings. Perform System Maint, system Running ok on departure.

ROXY CLEANERS Treatment System Operation/Inspection Checklist	mo Feb	yr 20	p. 1/2				
Action	**Req'd Freq**	**Unit**	**Date of Inspection** 2/7/20	2/14/20	2/21/20	2/28/20	3/5/20
RW-1 Flow Rate	W	gpm					
Flow Total	W	gal					
Filter Prs IN	W	psi					
Filter Prs OUT	W	psi					
Water Level	W	feet					
RW-2 Flow Rate	W	gpm	6	6	6	6	
Flow Total	W	gal	2,894,943	2,898,804	2,904,784	2,910,999	2916946
Filter Prs IN	W	psi	12	12	13	14	14
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-8.9	-8.6	-9.4	-9.3	9.8
RW-3 Flow Rate	W	gpm	12	12	12	12	12
Flow Total	W	gal	1180080	1206150	1231	1257640	1279740
Filter Prs IN	W	psi	13	13	13	13	13
Filter Prs OUT	W	psi	8	6	8	6	6
Water Level	W	feet	-25.4	29.2	-25.9	-24.7	27.4
INFLUENT pH	W		6.8	6.8	6.9	6.8	6.7
EFFLUENT pH	W		6.8	6.8	7.1	6.9	6.5
INF Specific Conductance	W	mS/cm	—	—	—	—	
EFF Specific Conductance	W	mS/cm	—	—	—	—	
Carb #1 Prs Out	W	iwc	32	32	32	32	32
Carb #2 Prs Out	W	iwc	21	20	21	21	20
Carb #3 Prs Out	W	iwc	11	11	11	11	11
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes lok	Yes lok	yes/ok	Yes lok	Yes ok
Influent Air Gauge	W	iwc	.09	.09	0.09	.09	.09
Back of Stripper Gauge	W	iwc	40.0	45.2	43	43.2	43
Magnehelic Gauge	W	iwc	—				
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	No	NO	No
Pump Out Sump	As nec.	Y / N	NO	NO	No	NO	No
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	No	NO	No
Carbon Changed	As nec.	Y / N	NO	NO	No	NO	No
EFF Catch Basin inspection	M	Y / N	Yes lok	Yes lok	Yes/ok	Yes lok	Yes/ok
EFF sample collected	M	Y / N	Yes	NO	NO	NO	Yes
RW-1 INF sample collected	M	Y / N	Yes	NO	No	NO	Yes/Dup
RW-2 INF sample collected	M	Y / N	Yes/Dup	NO	No	NO	Yes
RW-3 INF sample collected	M	Y / N	Yes	NO	No	NO	Yes
Combo INF sample collected	M	Y / N	NO	NO	No	NO	Yes
Tested eye wash station	1/2 Y	Y / N	NO	NO	No	NO	No
Tested fire extinguisher	Y	Y / N	NO	NO	No	NO	No

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 2/7/20 System Running on Arrival, take System Readings and System Samples Delver to Labs. Perform System Maint, System Running o/c on departure.

Date: 2/14/20 System Running on Arrival take system Readings and Perform System Maint. System Running ok on departure.

Date: 2/21/20 System running on arrival. Take system readings. Perform system maintenance. System running well on departure.

Date: 2/28/20 System Running on Arrival, take System Readings. Perform System Maint, System Running ok On departure.

Date: 3 5 20 DUP WAS RW1 ~~TAKEN~~ SYSTEM RUNNING ON ARRIVAL. TAKE SYSTEM READINGS. START RW1 AND TAKE SYSTEM SAMPLES. SYSTEM MAINT. DELIVER SAMPLES TO LAB

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo March yr 20

Action	Req'd Freq	Unit	Date of Inspection 3/13/20	3/20/20	3/27/20	4/3/20
RW-1 Flow Rate	W	gpm				
Flow Total	W	gal	0		0	0
Filter Prs IN	W	psi	X	0	X	X
Filter Prs OUT	W	psi	X	X	X	
Water Level	W	feet		X	-8.4	-8.4
RW-2 Flow Rate	W	gpm	6	6	6	6
Flow Total	W	gal	2,926,008	2,934,726	2,943,223	2,951,237
Filter Prs IN	W	psi	14	14	12	8
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	-10.1	-10.1	-10.1	-9.7
RW-3 Flow Rate	W	gpm	12	12	12	12
Flow Total	W	gal	1308500	1333750	1358850	1385180
Filter Prs IN	W	psi	13	13	13	13
Filter Prs OUT	W	psi	6	6	8	8
Water Level	W	feet	-26.5	-27.7	-29.8	-29.0
INFLUENT pH	W		6.8	6.7	6.9	6.7
EFFLUENT pH	W		6.6	6.7	7.1	7.2
INF Specific Conductance	W	mS/cm	—	—	—	—
EFF Specific Conductance	W	mS/cm	—	—	—	—
Carb #1 Prs Out	W	iwc	32	32	28	28
Carb #2 Prs Out	W	iwc	20	20	18	18
Carb #3 Prs Out	W	iwc	10	10	9	10
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	0.09	0.09
Back of Stripper Gauge	W	iwc	41.9	42.8	43.0	43.0
Magnehelic Gauge	W	iwc	—	—		
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	NO	YES
RW-1 INF sample collected	M	Y / N	NO	NO	NO	YES
RW-2 INF sample collected	M	Y / N	NO	NO	NO	YES
RW-3 INF sample collected	M	Y / N	NO	NO	NO	YES
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 3/13/20 System Running on Arrival, take System Readings. Perform System Maint. System Running ok on departure

Date: 3/20/20 System Running on Arrival, take System Readings. Perform System Maint, System Running ok on departure.

Date: 3/27/20 System running on arrival, take system readings, perform system maintenance, system running ok on departure

Date: 4/3/20 System running on ~~[illegible]~~ Arrival. Take system readings and perform system maintenance. collect system samples – no Duplicate sample, lab shorted the order. System running well on departure.

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Apr yr 20

Action	Req'd Freq	Unit	Date of Inspection 4/10/20	4/17/20	4/24/20	5/1/20	5/8/20
RW-1 Flow Rate	W	gpm					
Flow Total	W	gal	Off	Off	Off	Off	Off
Filter Prs IN	W	psi					
Filter Prs OUT	W	psi					
Water Level	W	feet	-8.4	-8.3	-8.2	-8.6	-8.2
RW-2 Flow Rate	W	gpm	6	6	6	6	6
Flow Total	W	gal	2,958,250	2,964,579	2,970,005	2,974,523	2,977,810
Filter Prs IN	W	psi	12	12	12	12	10
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-9.5	-9.2	-9.2	-9.1	-8.9
RW-3 Flow Rate	W	gpm	12	12	12	12	12
Flow Total	W	gal	1411240	1437700	1463710	1489660	
Filter Prs IN	W	psi	13	13	13	13	12
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-25.6	-28.9	-25.0	-27.6	-29.5
INFLUENT pH	W		6.8	6.7	6.8	6.7	6.7
EFFLUENT pH	W		7.1	6.8	6.8	6.8	7.1
INF Specific Conductance	W	mS/cm	—	—			—
EFF Specific Conductance	W	mS/cm	—	—			—
Carb #1 Prs Out	W	iwc	28	28	28	28	27
Carb #2 Prs Out	W	iwc	18	18	18	18	17
Carb #3 Prs Out	W	iwc	10	10	10	10	9
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	yes/ok
Influent Air Gauge	W	iwc	.09	.09	.09	.09	0.09
Back of Stripper Gauge	W	iwc	44.2	44.3	42.3	41.6	45.5
Magnehelic Gauge	W	iwc	—	—	—	—	
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	NO	NO	yes
RW-1 INF sample collected	M	Y / N	NO	NO	NO	NO	yes
RW-2 INF sample collected	M	Y / N	NO	NO	NO	NO	yes
RW-3 INF sample collected	M	Y / N	NO	NO	NO	NO	yes
Combo INF sample collected	M	Y / N	NO	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 4/10/20 System Running on Arrival, take System Readings. Perform System Maint, System Running on departure.

Date: 4/17/20 System Running on Arrival, take System Reading. Perform System Maint, System Running ok on departure.

Date: 4/24/20 System Running on Arrival, take System Readings and Perform system Maint. system Running ok on departure

Date: 5/1/20 System ~~Reading~~ Running on Arrival take System Readings and Perform System Maint. System Running ok on departure.

Date: 5/8/20 System running on arrival. Take system readings and perform maintenance. Collect system samples. System running on departure.

Duplicate Sample = RW-3

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo May yr 2020 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection				
			5/15/20	5/21/20	5/22/20		
RW-1 Flow Rate	W	gpm		CLEANER)			
Flow Total	W	gal		ADD			
Filter Prs IN	W	psi		STRIPPER			
Filter Prs OUT	W	psi					
Water Level	W	feet	-8.6	-8.5	-8.9		
RW-2 Flow Rate	W	gpm					
Flow Total	W	gal					
Filter Prs IN	W	psi					
Filter Prs OUT	W	psi					
Water Level	W	feet	-8.2	-8.5	-8.6		
RW-3 Flow Rate	W	gpm		4	12		
Flow Total	W	gal		1531330	1535490		
Filter Prs IN	W	psi		12	12		
Filter Prs OUT	W	psi		10	8		
Water Level	W	feet	10.18	-9.2	-25.4		
INFLUENT pH	W		—	6.8	6.9		
EFFLUENT pH	W		—	6.5	7.3		
INF Specific Conductance	W	mS/cm	—	—	—		
EFF Specific Conductance	W	mS/cm	—	—	—		
Carb #1 Prs Out	W	iwc	—	32	30		
Carb #2 Prs Out	W	iwc	—	20	20		
Carb #3 Prs Out	W	iwc	—	10	10		
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	—	Y	YES		
Influent Air Gauge	W	iwc	—	.09	0.09		
Back of Stripper Gauge	W	iwc	—	27	27		
Magnehelic Gauge	W	iwc	—	—	—		
Replenished 1st Aid Kit	As nec.	Y / N	N	N	N		
Pump Out Sump	As nec.	Y / N	N	N	N		
Chg'd RW sediment filter	As nec.	Y / N	N	N	N		
Carbon Changed	As nec.	Y / N	N	N	N		
EFF Catch Basin inspection	M	Y / N	N	N	YES/OK		
EFF sample collected	M	Y / N	N	N	NO		
RW-1 INF sample collected	M	Y / N	N	N	NO		
RW-2 INF sample collected	M	Y / N	N	N	NO		
RW-3 INF sample collected	M	Y / N	N	N	NO		
Combo INF sample collected	M	Y / N	N	N	NO		
Tested eye wash station	1/2 Y	Y / N	N	N	NO		
Tested fire extinguisher	Y	Y / N	N	N	NO		

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 5/15/20 System down on arrival. Air stripper overlevel alarm active. Troubleshoot system issues and attempt to restart system. System ran for short period then shut down. Drained overfill sump and prep for cleaning next visit. Perform grounds maintenance. System down on departure.

Date: 5/21/20 Systemdown on arrival. Disassemble and clean air stripper unit. Replace gaskets. Restart system and demobilize. System running on departure.

Date: 5/22/20 system running on arrival. collect system readings and check system. Perform maintenance and grounds work. System running on departure.

Date: _____

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo May yr 20 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection				
			5/29/20	6/5/20	6/12/20	6/19/20	6/26/20
RW-1 Flow Rate	W	gpm	585240				
Flow Total	W	gal	off				C
Filter Prs IN	W	psi					
Filter Prs OUT	W	psi		off	off	off	
Water Level	W	feet					
RW-2 Flow Rate	W	gpm					
Flow Total	W	gal	2933.652				
Filter Prs IN	W	psi	off				C
Filter Prs OUT	W	psi		off	off	off	
Water Level	W	feet					
RW-3 Flow Rate	W	gpm	12	12	12	12	
Flow Total	W	gal	1561080	1586580	1611790	1636650	1661110
Filter Prs IN	W	psi	12	12	12	12	12
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	26.6	26.3	28.5	27.1	29.4
INFLUENT pH	W		6.7	6.7	6.8	6.7	6.7
EFFLUENT pH	W		6.7	6.8	6.8	6.8	6.8
INF Specific Conductance	W	mS/cm	—	—	—	—	—
EFF Specific Conductance	W	mS/cm	—	—	—	—	—
Carb #1 Prs Out	W	iwc	30	30	30	30	30
Carb #2 Prs Out	W	iwc	20	20	20	20	20
Carb #3 Prs Out	W	iwc	10	10	10	10	10
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	.09	.09	.09
Back of Stripper Gauge	W	iwc	26.2	27.1	29.6	28.8	29
Magnehelic Gauge	W	iwc	—	—	—	—	—
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	NO	NO	Yes	NO	
RW-1 INF sample collected	M	Y / N	NO	NO	Yes	NO	NO
RW-2 INF sample collected	M	Y / N	NO	NO	Yes	NO	NO
RW-3 INF sample collected	M	Y / N	NO	NO	Yes/Dup	NO	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 5/29/20 System Running on Arrival, take System Readings. System Running OK on departure

Date: 6/5/20 System Running on Arrival, take System Readings, and Perform System Maint 'system Running on departure.

Date: 6/12/20 System Runnin on Arrival, take System Reading and System Samples and deliver to Lab

Date: 6/19/20 System Running on Arrival, take System Readings, ~~and~~ Perform System Maint, System Running ok on departure.

Date: 6/26/20 SYSTEM RUNNING ON ARRIVAL. TAKE READINGS, CHECK SYSTEM AND EXERCISE VALVES, SYSTEM RUNNING OK ON DEPARTURE

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo July yr 2020 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection 7/2/20	7/10/20	7/17/20	7/24/20	7/31/20
RW-1 Flow Rate	W	gpm					
Flow Total	W	gal	OFF	OFF	OFF	OFF	OFF
Filter Prs IN	W	psi					
Filter Prs OUT	W	psi					
Water Level	W	feet	-9.4	-8.8	-9.1	-8.7	-8.8
RW-2 Flow Rate	W	gpm					
Flow Total	W	gal	OFF	OFF	OFF	OFF	OFF
Filter Prs IN	W	psi					
Filter Prs OUT	W	psi					
Water Level	W	feet	-9.0	-8.5	-8.8	-8.6	-8.8
RW-3 Flow Rate	W	gpm	12			12	12
Flow Total	W	gal	1685560	1710854		1760050	1784430
Filter Prs IN	W	psi	12	12	12	12	12
Filter Prs OUT	W	psi	7	7	7	7	7
Water Level	W	feet	-26.4	-30.0	-25.8	-29.0	-25.1
INFLUENT pH	W		6.9	5.9	6.9	6.8	6.9
EFFLUENT pH	W		6.7	5.9	6.7	6.9	6.9
INF Specific Conductance	W	mS/cm	—	—	—	—	—
EFF Specific Conductance	W	mS/cm	—	—	—	—	—
Carb #1 Prs Out	W	iwc	30	31	30	30	30
Carb #2 Prs Out	W	iwc	20	20	20	20	20
Carb #3 Prs Out	W	iwc	10	11	11	11	11
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	yes/ok	yes/ok	Yes/ok	Yes/ok	Yes/ok
Influent Air Gauge	W	iwc	0.09	~~0.09~~ 0.09	.09	.09	.09
Back of Stripper Gauge	W	iwc	39	29	31.3	30.7	31.7
Magnehelic Gauge	W	iwc	—	Need New	—	—	—
Replenished 1st Aid Kit	As nec.	Y / N	N	Need 10/2019	NO	NO	NO
Pump Out Sump	As nec.	Y / N	N	Not needed	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	yes/ok	yes/ok	Yes/ok	Yes/ok	Yes/ok
EFF sample collected	M	Y / N	NO	No	NO	NO	NO
RW-1 INF sample collected	M	Y / N	NO	Yes	NO	NO	NO
RW-2 INF sample collected	M	Y / N	NO		NO	NO	NO
RW-3 INF sample collected	M	Y / N	NO	# Dup	NO	NO	NO
Combo INF sample collected	M	Y / N	NO	*	NO	NO	NO
Tested eye wash station 7/2021	1/2 Y	Y / N	NO	NO/OK	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO/OK	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 7/2/20 System running on arrival, take system readings. complete system maintenance. System running on departure. Owner of diner building addressed concerns about drums, asked that they be removed.

Date: 7/10/20
System running on arrival. Took system readings. Grounds Maintenance performed. Collected Samples RW1, RW2, RW3 & Effluent. RW3 Dup. Sample. Took Pics of Drums.

Date: 7/17/20 System Running on Arrival, Perform System Maint and take System Readings. System Running OK on departure.

Date: 7/24/20 System Running on Arrival, Perform System Maint and take System Readings System Running ok on departure.

Date: 7/31/20 System Running on Arrival, Perform System Maint and take system Readings. System Running OK on departure,

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Aug yr 20

Action	Req'd Freq	Unit	Date of Inspection 8/7/20	8/14/20	8/21/20	8/28/20
RW-1 Flow Rate	W	gpm				
Flow Total	W	gal	Off	Off	Off	Off
Filter Prs IN	W	psi				
Filter Prs OUT	W	psi				
Water Level	W	feet	-8.4	-9.0	-8.9	-8.4
RW-2 Flow Rate	W	gpm				
Flow Total	W	gal	Off	Off	Off	Off
Filter Prs IN	W	psi				
Filter Prs OUT	W	psi				
Water Level	W	feet	-8.6	-9.0	-9.0	-9.1
RW-3 Flow Rate	W	gpm	12	12	12	12
Flow Total	W	gal	1808970	1825200	1827640	1827840
Filter Prs IN	W	psi	12	13	12	12
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	-25.3	-0.8	-1.8	-12.6
INFLUENT pH	W		6.9	6.8	6.8	6.8
EFFLUENT pH	W		6.8	7.1	6.8	6.7
INF Specific Conductance	W	mS/cm	—	—	—	—
EFF Specific Conductance	W	mS/cm	—	—	—	—
Carb #1 Prs Out	W	iwc	30	14	24	24
Carb #2 Prs Out	W	iwc	20	4	18	16
Carb #3 Prs Out	W	iwc	10	1	10	10
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes lok	yes/ok	No need Cleaning	Yes lok
Influent Air Gauge	W	iwc	.09	0.09	.09	.09
Back of Stripper Gauge	W	iwc	43.4	43.7	5.8	9.2
Magnehelic Gauge	W	iwc	—	—	—	—
Replenished 1st Aid Kit	As nec.	Y / N	NO	No	NO	NO
Pump Out Sump	As nec.	Y / N	NO	No	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	No	NO	NO
Carbon Changed	As nec.	Y / N	NO	No	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes lok	yes/ok	Yes lok	Yes lok
EFF sample collected	M	Y / N	NO	Yes	NO	NO
RW-1 INF sample collected	M	Y / N	NO	Yes	NO	NO
RW-2 INF sample collected	M	Y / N	NO	Yes	NO	NO
RW-3 INF sample collected	M	Y / N	NO	Yes	NO	NO
Combo INF sample collected	M	Y / N	NO	No	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	No	NO	NO
Tested fire extinguisher	Y	Y / N	NO	No	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 8/7/20 System Running on Arrival, take System Readings. Perform System Maint System Running ok on departure.

Date: 8/14/20 System ~~Running~~ Down on arrival, Restart system and allow to run for a period of time. Collect system readings and perform system maintenance. Collect ratine system samples as well as additional samples per NYSDEC. System running ok on departure.

Date: 8/21/20 System down on Arrival / Stripper overfill on drain fill Restart System Coming to Clean Stripper Next week,

Date: 8/28/20 Cleaned stripper on 8/25 Restart having Problem With Air pressure in Stripper due to Clean and only 1 well Running. Closed discharge Valve to help. Showed up Fri System dowe due to Pressure again Close discharge a little more For more Pressure Running ok on departure.

Date:

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Sept yr 20

Action	Req'd Freq	Unit	Date of Inspection 9/4/20	9/11/20	9/18/20	9/25/20
RW-1 Flow Rate	W	gpm				
Flow Total	W	gal	585270	585270	585270	585270
Filter Prs IN	W	psi	Off	Off	Off	Off
Filter Prs OUT	W	psi				
Water Level	W	feet	-15.4	-8.4	-8.5	-8.8
RW-2 Flow Rate	W	gpm				
Flow Total	W	gal	2,978,698	2,978,698	2,978,698	2,978,698
Filter Prs IN	W	psi	Off	Off	Off	Off
Filter Prs OUT	W	psi				
Water Level	W	feet	-10.0	-9.2	-9.2	-9.2
RW-3 Flow Rate	W	gpm	12	12	12	12
Flow Total	W	gal	1852930	1877970	1902420	1927010
Filter Prs IN	W	psi	12	12	12	12
Filter Prs OUT	W	psi	6	6	6	6
Water Level	W	feet	-28.9	-28.0	-27.7	-29.3
INFLUENT pH	W		6.8	6.7	6.6	4.7
EFFLUENT pH	W		6.8	6.8	6.8	6.8
INF Specific Conductance	W	mS/cm	—	—	—	
EFF Specific Conductance	W	mS/cm	—	—	—	
Carb #1 Prs Out	W	iwc	10	10	10	10
Carb #2 Prs Out	W	iwc	18	18	18	18
Carb #3 Prs Out	W	iwc	24	25	25	24
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	.09	.09
Back of Stripper Gauge	W	iwc	17.0	16.8	18.4	18.7
Magnehelic Gauge	W	iwc	—	—	—	
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	Yes/Dup	NO	NO	NO
RW-1 INF sample collected	M	Y / N	Yes	NO	NO	NO
RW-2 INF sample collected	M	Y / N	Yes	NO	NO	NO
RW-3 INF sample collected	M	Y / N	Yes	NO	NO	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 9/4/20 System Running ok on Arrival, Run Pumps 1 and 2 to Get Samples. Take System Samples and Perform System Maint. System Running ok on departure.

Date: 9/11/20 System Running on Arrival, take System Readings. Perform System Maint, System Running OK on departure.

Date: 9/18/20 System Running on Arrival, take System Readings and Perform System Maint. System Running ok on departure.

Date: 9/25/20 System Running on Arrival, take System Readings. Perform System Maint, System Running ok on departure.

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Oct yr 20

Action	Req'd Freq	Unit	Date of Inspection				
			10/2/20	10/9/20	10/16/20	10/23/20	10/30/20
RW-1 Flow Rate	W	gpm					
Flow Total	W	gal	~~525,970~~ Off	~~582,880~~ off	Off	off	off
Filter Prs IN	W	psi					
Filter Prs OUT	W	psi					
Water Level	W	feet	-8.1	-8.5	-8.5	-8.8	-8.1
RW-2 Flow Rate	W	gpm					
Flow Total	W	gal	2978698	2,978,704			
Filter Prs IN	W	psi	Off	off	Off	off	off
Filter Prs OUT	W	psi					
Water Level	W	feet	-9.0	-9.2	-9.1	-9.2	-8.8
RW-3 Flow Rate	W	gpm	12	12	12	12	
Flow Total	W	gal	1951520	1976160	2000680	2025120	2049250
Filter Prs IN	W	psi	12	12	12	12	12
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet	-25.5	-29.5	-27.4	-29.0	-23.3
INFLUENT pH	W			6.7	6.8	6.4	6.7
EFFLUENT pH	W			6.8	6.8	6.6	6.8
INF Specific Conductance	W	mS/cm	6.8	~~6.7~~	—	—	
EFF Specific Conductance	W	mS/cm	6.8	~~6.8~~	—	—	
Carb #1 Prs Out	W	iwc	16	10	10	10	10
Carb #2 Prs Out	W	iwc	18	18	18	18	18
Carb #3 Prs Out	W	iwc	25	26	26	26	26
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
Influent Air Gauge	W	iwc	.09	.09	.09	.09	.09
Back of Stripper Gauge	W	iwc	20.6	18.4	19.7	12.4	25.9
Magnehelic Gauge	W	iwc	—	—	—	—	—
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO	NO
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO	NO
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO	NO
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO	NO
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes/OK
EFF sample collected	M	Y / N	Yes/Dup	NO	Yes/OK	Yes/OK	Yes/OK
RW-1 INF sample collected	M	Y / N	Yes	NO	NO	NO	NO
RW-2 INF sample collected	M	Y / N	Yes	NO	NO	NO	NO
RW-3 INF sample collected	M	Y / N	Yes	NO	NO	NO	NO
Combo INF sample collected	M	Y / N	NO	NO	NO	NO	NO
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO	NO
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO	NO

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 10/2/20 System Running on Arrival, take system Reading and System Samples Perform System Maint Running ok on departure.

Date: 10/9/20 System Running on Arrival, Take System Readings. Perform System Maint, System Running ok on departure.

Date: 10/16/20 System Running on Arrival, take System Readings. Perform System Maint. System Running ok on departure.

Date: 10/23/20 System Running on Arrival, take System Readings. Perform System Maint, System Running ok on departure

Date: 10/30/20 System Running ok on Arrival, take System Reading. Perform System Maint, System Running ok on departure.

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo NOV yr 20 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection				
			11/6/20	11/13/20			
RW-1 Flow Rate	W	gpm	585290				
Flow Total	W	gal	OFF	585290 OFF			
Filter Prs IN	W	psi					
Filter Prs OUT	W	psi					
Water Level	W	feet	-10.2	-8.8			
RW-2 Flow Rate	W	gpm	2,978,719				
Flow Total	W	gal	OFF	2,978,719 OFF			
Filter Prs IN	W	psi					
Filter Prs OUT	W	psi					
Water Level	W	feet	-9.1	-9.0			
RW-3 Flow Rate	W	gpm	3073970	12			
Flow Total	W	gal	12	2098130			
Filter Prs IN	W	psi	12	12			
Filter Prs OUT	W	psi	6	6			
Water Level	W	feet	-27.6	-89.8			
INFLUENT pH	W		6.8	6.7			
EFFLUENT pH	W		6.8	6.8			
INF Specific Conductance	W	mS/cm	—	—			
EFF Specific Conductance	W	mS/cm	—	—			
Carb #1 Prs Out	W	iwc	10	10			
Carb #2 Prs Out	W	iwc	18	18			
Carb #3 Prs Out	W	iwc	24	24			
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK			
Influent Air Gauge	W	iwc	.09	.09			
Back of Stripper Gauge	W	iwc	24.6	24.4			
Magnehelic Gauge	W	iwc	—	—			
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO			
Pump Out Sump	As nec.	Y / N	NO	NO			
Chg'd RW sediment filter	As nec.	Y / N	NO	NO			
Carbon Changed	As nec.	Y / N	NO	NO			
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK			
EFF sample collected	M	Y / N	Yes	NO			
RW-1 INF sample collected	M	Y / N	Yes	NO			
RW-2 INF sample collected	M	Y / N	Yes/Dup	NO			
RW-3 INF sample collected	M	Y / N	Yes	NO			
Combo INF sample collected	M	Y / N	NO	NO			
Tested eye wash station	1/2 Y	Y / N	NO	NO			
Tested fire extinguisher	Y	Y / N	NO	NO			

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 11/6/20 System Running on Arrival, take System Reading. Install face Plate on Elec Panel and take Fire Extinguisher to be Checked or Changed out. Perform System Maint and take Samples. System Running ok on departure

Date: 11/13/20 System Running on Arrival, take System Readings. Perform System Maint, System Running ok on departure.

Date: _____

Date: _____

Date: _____

ROXY CLEANERS Treatment System Operation/Inspection Checklist mo Dec yr 20 p. 1/2

Action	Req'd Freq	Unit	Date of Inspection 12/4/20	12/11/20	12/18/2020	12/22/2020	12/31/20
RW-1 Flow Rate	W	gpm					
Flow Total	W	gal	585310				
Filter Prs IN	W	psi	Off	Off	Off	Off	
Filter Prs OUT	W	psi					Off
Water Level	W	feet			-7.6		
RW-2 Flow Rate	W	gpm					
Flow Total	W	gal	2,978320				
Filter Prs IN	W	psi	Off	Off	Off	Off	
Filter Prs OUT	W	psi					Off
Water Level	W	feet			-8.6		
RW-3 Flow Rate	W	gpm	12	12	12	12	12
Flow Total	W	gal	2157110	2157190	2172480	2189600	2195840
Filter Prs IN	W	psi	12	12	12	12	12
Filter Prs OUT	W	psi	6	6	6	6	6
Water Level	W	feet			-24.6	-28.7	26.1
INFLUENT pH	W		6.8	6.7	6.7	6.8	6.7
EFFLUENT pH	W		6.8	6.8	6.7	6.8	6.7
INF Specific Conductance	W	mS/cm	—	—	—	—	
EFF Specific Conductance	W	mS/cm	—	—	—	—	
Carb #1 Prs Out	W	iwc	8	10	10	10	10
Carb #2 Prs Out	W	iwc	15	18	18	18	17
Carb #3 Prs Out	W	iwc	23	24	26	26	25
AirStripMaint: Inspect filter, leaks, booster fan	W	Y / N	Yes/OK	Yes/OK	Yes/OK	Yes/OK	Yes OK
Influent Air Gauge	W	iwc	.09	.09	.09	.09	.09
Back of Stripper Gauge	W	iwc	38.5	26.5	25.0	20.0	20.0
Magnehelic Gauge	W	iwc	—	—	—	—	
Replenished 1st Aid Kit	As nec.	Y / N	NO	NO	NO	NO	No
Pump Out Sump	As nec.	Y / N	NO	NO	NO	NO	No
Chg'd RW sediment filter	As nec.	Y / N	NO	NO	NO	NO	No
Carbon Changed	As nec.	Y / N	NO	NO	NO	NO	No
EFF Catch Basin inspection	M	Y / N	Yes/OK	Yes/OK	Yes/OK	YesOK	Yes/OK
EFF sample collected	M	Y / N	Yes/Dup	NO	NO	NO	No
RW-1 INF sample collected	M	Y / N	Yes	NO	NO	NO	No
RW-2 INF sample collected	M	Y / N	Yes	NO	NO	No	No
RW-3 INF sample collected	M	Y / N	Yes	NO	NO	No	No
Combo INF sample collected	M	Y / N	NO	NO	NO	NO	No
Tested eye wash station	1/2 Y	Y / N	NO	NO	NO	NO	No
Tested fire extinguisher	Y	Y / N	NO	NO	NO	NO	No

NOTE: DOUBLE –SIDED FORM – DATED COMMENTS SECTION ON REVERSE SIDE

Date: 12/4/20 System down Sump overfill drain Restart let Run take Samples. Stripper Needs Cleaning. Perform System Maint. System Running ok on departure.

Date: 12/11/20 System down on Arrival overlevel Sump Make Some Adjustments Restart Running ok. Stripper Needs Cleaning At Some point soon. Perform System Maint. System Running ok on departure.

Date: 12/18/20 System Running on Arrival, Perform System Maint. System Running ok on departure

Date: 12/22/2020

System running on arrival, Perform System Maintenance, Record System readings, system running on departure

Date: 12/31/20 System running on arrival, perform System maintenance Record readings, running ok on departure

Appendix C

Laboratory Analytical Data for Treatment System Sampling

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Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

January 30, 2019

A Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383

Work Order No: 190124062
PO#: C200302

RE: Roxy Cleaners
DEC Monthly analysis

Dear A Talbot:

Adirondack Environmental Services, Inc received 5 samples on 1/24/2019 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Krzysztof Trafalski
Laboratory Manager

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*30-Jan-19*
Project:	Roxy Cleaners		
Lab Order:	190124062		

Sample containers were supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:		
	ND : Not Detected at reporting limit	C: CCV below acceptable Limits
	J: Analyte detected below quantitation limit	C+: CCV above acceptable Limits
	B: Analyte detected in Blank	S: LCS Spike recovery is below acceptable limits
	X : Exceeds maximum contamination limit	S+: LCS Spike recovery is above acceptable limits
	H: Hold time exceeded	Z: Duplication outside acceptable limits
	N: Matrix Spike below acceptable limits	T : Tentatively Identified Compound-Estimated
	N+: Matrix Spike is above acceptable limits	E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *30-Jan-19*

CLIENT: Aztech Technologies
Work Order: **190124062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW1
Collection Date: 1/24/2019
Lab Sample ID: 190124062-001
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Chloromethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Vinyl chloride	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Bromomethane	**ND**	2.0	S	µg/L	2	1/26/2019 7:42:00 AM
Chloroethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Methylene chloride	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
cis-1,2-Dichloroethene	**33**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Chloroform	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Carbon tetrachloride	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Trichloroethene	**20**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Bromodichloromethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Tetrachloroethene	**210**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Dibromochloromethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Chlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Bromoform	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Surr: 4-Bromofluorobenzene	**85.9**	76.1-125		%REC	2	1/26/2019 7:42:00 AM

Adirondack Environmental Services, Inc

Date: *30-Jan-19*

CLIENT: Aztech Technologies
Work Order: **190124062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW2
Collection Date: 1/24/2019
Lab Sample ID: 190124062-002
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Chloromethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Vinyl chloride	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Bromomethane	**ND**	2.0	S	µg/L	2	1/26/2019 8:07:00 AM
Chloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Methylene chloride	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
cis-1,2-Dichloroethene	**8.9**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Chloroform	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Carbon tetrachloride	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Trichloroethene	**7.3**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Bromodichloromethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Tetrachloroethene	**180**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Dibromochloromethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Chlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Bromoform	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Surr: 4-Bromofluorobenzene	**86.3**	76.1-125		%REC	2	1/26/2019 8:07:00 AM

Adirondack Environmental Services, Inc

Date: *30-Jan-19*

CLIENT: Aztech Technologies
Work Order: **190124062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW3
Collection Date: 1/24/2019
Lab Sample ID: 190124062-003
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Chloromethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Vinyl chloride	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Bromomethane	**ND**	2.0	S	µg/L	2	1/26/2019 8:32:00 AM
Chloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Methylene chloride	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
cis-1,2-Dichloroethene	**4.6**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Chloroform	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Carbon tetrachloride	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Trichloroethene	**4.0**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Bromodichloromethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Tetrachloroethene	**210**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Dibromochloromethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Chlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Bromoform	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Surr: 4-Bromofluorobenzene	**85.9**	76.1-125		%REC	2	1/26/2019 8:32:00 AM

Adirondack Environmental Services, Inc

Date: *30-Jan-19*

CLIENT: Aztech Technologies
Work Order: **190124062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: DUP
Collection Date: 1/24/2019
Lab Sample ID: 190124062-004
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Chloromethane	**ND**	1.0	S	µg/L	1	1/29/2019 8:52:00 PM
Vinyl chloride	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Bromomethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Chloroethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Trichlorofluoromethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,1-Dichloroethene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Methylene chloride	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
trans-1,2-Dichloroethene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,1-Dichloroethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
cis-1,2-Dichloroethene	**ND**	1.0	S	µg/L	1	1/29/2019 8:52:00 PM
Chloroform	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,1,1-Trichloroethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Carbon tetrachloride	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,2-Dichloroethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Trichloroethene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Bromodichloromethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,2-Dichloropropane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
cis-1,3-Dichloropropene	**ND**	1.0	S	µg/L	1	1/29/2019 8:52:00 PM
trans-1,3-Dichloropropene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,1,2-Trichloroethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Tetrachloroethene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Dibromochloromethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Chlorobenzene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Bromoform	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,1,2,2-Tetrachloroethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,3-Dichlorobenzene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,4-Dichlorobenzene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,2-Dichlorobenzene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Surr: 4-Bromofluorobenzene	**86.3**	76.1-125		%REC	1	1/29/2019 8:52:00 PM

Adirondack Environmental Services, Inc

Date: *30-Jan-19*

CLIENT: Aztech Technologies
Work Order: **190124062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: Effluent
Collection Date: 1/24/2019
Lab Sample ID: 190124062-005
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Chloromethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Vinyl chloride	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Bromomethane	**ND**	1.0	S	µg/L	1	1/26/2019 3:50:00 AM
Chloroethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Trichlorofluoromethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,1-Dichloroethene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Methylene chloride	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
trans-1,2-Dichloroethene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,1-Dichloroethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
cis-1,2-Dichloroethene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Chloroform	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,1,1-Trichloroethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Carbon tetrachloride	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,2-Dichloroethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Trichloroethene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Bromodichloromethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,2-Dichloropropane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
cis-1,3-Dichloropropene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
trans-1,3-Dichloropropene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,1,2-Trichloroethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Tetrachloroethene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Dibromochloromethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Chlorobenzene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Bromoform	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,1,2,2-Tetrachloroethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,3-Dichlorobenzene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,4-Dichlorobenzene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,2-Dichlorobenzene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Surr: 4-Bromofluorobenzene	**91.4**	76.1-125		%REC	1	1/26/2019 3:50:00 AM

Adirondack Environmental Services, Inc.

314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES Work Order # 190124062

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany N.Y.	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Jenelle Gaylord	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518.402-9813		**Samplers: (Signature)** Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW1	1/24/19	1:00	A	H_2O		X	2	E 601
002	RW2	1/24/19	1:02	A	H_2O		X	2	E 601
003	RW3	1/24/19	1:04	A	H_2O		X	2	E 601
004	Dup	1/24/19	1:06	A	H_2O		X	2	E 601
005	Effluent	1/24/19	1:08	A	H_2O		X	2	E 601
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS (Client) AES Other:_____

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

CC Report To / Special Instructions/Remarks:
ATalbot@Haleeb Env.Com
JVonudenfz@EAEST.Com
Jenelle.Gaylord@dec.NY.Gov

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	Kaitlin Nagacha	1/24/19 2:22pm

Temperature	AES Bottles		Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y	N	(Y) N	(Y) N
Notes: 6.0°C	☒	☐	Notes:	

WHITE - Lab Copy YELLOW - Sampler Copy

Adirondack Environmental Servic

Demo
190124062

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

March 04, 2019

A Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383

Work Order No: 190222038
PO#: C200302

RE: Roxy Cleaners
DEC Monthly analysis

Dear A Talbot:

Adirondack Environmental Services, Inc received 5 samples on 2/22/2019 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Director

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*04-Mar-19*
Project:	Roxy Cleaners		
Lab Order:	190222038		

Sample containers were supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:

- ND : Not Detected at reporting limit
- J: Analyte detected below quantitation limit
- B: Analyte detected in Blank
- X : Exceeds maximum contamination limit
- H: Hold time exceeded
- N: Matrix Spike below acceptable limits
- N+: Matrix Spike is above acceptable limits
- C: CCV below acceptable Limits
- C+: CCV above acceptable Limits
- S: LCS Spike recovery is below acceptable limits
- S+: LCS Spike recovery is above acceptable limits
- Z: Duplication outside acceptable limits
- T : Tentatively Identified Compound-Estimated
- E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *04-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190222038**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW1
Collection Date: 2/22/2019
Lab Sample ID: 190222038-001
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **MG**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Chloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Bromomethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Chloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
cis-1,2-Dichloroethene	**26**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Chloroform	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Trichloroethene	**11**	2.0	S	µg/L	2	2/26/2019 9:51:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Tetrachloroethene	**130**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Bromoform	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Surr: 4-Bromofluorobenzene	**138**	76.1-125	S	%REC	2	2/26/2019 9:51:00 PM

Adirondack Environmental Services, Inc

Date: *04-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190222038**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW2
Collection Date: 2/22/2019
Lab Sample ID: 190222038-002
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **MG**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Chloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Bromomethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Chloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
cis-1,2-Dichloroethene	**7.3**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Chloroform	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Trichloroethene	**5.5**	2.0	S	µg/L	2	2/26/2019 9:27:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Tetrachloroethene	**130**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Bromoform	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Surr: 4-Bromofluorobenzene	**108**	76.1-125		%REC	2	2/26/2019 9:27:00 PM

Adirondack Environmental Services, Inc

Date: *04-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190222038**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW3
Collection Date: 2/22/2019
Lab Sample ID: 190222038-003
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **MG**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Chloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Bromomethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Chloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
cis-1,2-Dichloroethene	**6.4**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Chloroform	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Trichloroethene	**ND**	2.0	S	µg/L	2	2/26/2019 9:03:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Tetrachloroethene	**110**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Bromoform	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Surr: 4-Bromofluorobenzene	**101**	76.1-125		%REC	2	2/26/2019 9:03:00 PM

Adirondack Environmental Services, Inc

Date: *04-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190222038**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: Effluent
Collection Date: 2/22/2019
Lab Sample ID: 190222038-004
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **MG**
Dichlorodifluoromethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Chloromethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Vinyl chloride	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Bromomethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Chloroethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Trichlorofluoromethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,1-Dichloroethene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Methylene chloride	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
trans-1,2-Dichloroethene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,1-Dichloroethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
cis-1,2-Dichloroethene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Chloroform	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,1,1-Trichloroethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Carbon tetrachloride	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,2-Dichloroethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Trichloroethene	**ND**	1.0	S	µg/L	1	2/26/2019 8:39:00 PM
Bromodichloromethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,2-Dichloropropane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
cis-1,3-Dichloropropene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
trans-1,3-Dichloropropene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,1,2-Trichloroethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Tetrachloroethene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Dibromochloromethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Chlorobenzene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Bromoform	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,1,2,2-Tetrachloroethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,3-Dichlorobenzene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,4-Dichlorobenzene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,2-Dichlorobenzene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Surr: 4-Bromofluorobenzene	**114**	76.1-125		%REC	1	2/26/2019 8:39:00 PM

Adirondack Environmental Services, Inc

Date: *04-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190222038**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: DUP
Collection Date: 2/22/2019
Lab Sample ID: 190222038-005
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **MG**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Chloromethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Bromomethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Chloroethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
cis-1,2-Dichloroethene	**6.4**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Chloroform	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Trichloroethene	**5.6**	2.0	S	µg/L	2	2/26/2019 10:15:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Tetrachloroethene	**140**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Bromoform	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Surr: 4-Bromofluorobenzene	**120**	76.1-125		%REC	2	2/26/2019 10:15:00 PM

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order # 190222038

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
DEC Central Remediation	625 Broadway Albany NY	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Jenelle Gaylord	Roxy Cleaners	Andrew Talbot + John Stutzke
Client Phone No:	**Client Email:**	**PO Number:**
(518) 402-9791	Jenelle.Gaylord@dec.ny.gov	**Samplers: (Signature)**

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW1	2/22/19	09:05 A	W		X	2	EPA 601
002	RW2		09:10 A	W		X	2	EPA 601
003	RW3		09:15 A	W		X	2	EPA 601
004	Effluent		09:00 A	W		X	2	EPA 601
005	Dup		09:20 A	W		X	2	EPA 601
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					

Shipment Arrived Via:
FedEx UPS Client AES Other:_____

CC Report To / Special Instructions/Remarks:
JVonWeritz@EAEST.com
Jenelle.Gaylord@dec.ny.gov
ATalbot@aztechenv.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
2/22/19 10:00		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	2/22/19 10:41 AM	

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y ☒ N ☐	Y N	Y N
Notes: 5°C		Notes:	

WHITE - Lab Copy YELLOW - Sampler Copy

Adirondack Environmental Service

Demo
190222038

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

March 28, 2019

A Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383

Work Order No: 190322067
PO#: C200302

RE: Roxy Cleaners
DEC Monthly analysis

Dear A Talbot:

Adirondack Environmental Services, Inc received 5 samples on 3/22/2019 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Director

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*28-Mar-19*
Project:	Roxy Cleaners		
Lab Order:	190322067		

Sample containers were supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:

- ND : Not Detected at reporting limit
- J: Analyte detected below quantitation limit
- B: Analyte detected in Blank
- X : Exceeds maximum contamination limit
- H: Hold time exceeded
- N: Matrix Spike below acceptable limits
- N+: Matrix Spike is above acceptable limits
- C: CCV below acceptable Limits
- C+: CCV above acceptable Limits
- S: LCS Spike recovery is below acceptable limits
- S+: LCS Spike recovery is above acceptable limits
- Z: Duplication outside acceptable limits
- T : Tentatively Identified Compound-Estimated
- E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *28-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190322067**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW1
Collection Date: 3/22/2019
Lab Sample ID: 190322067-001
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Chloromethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Bromomethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Chloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,1-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 4:28:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
trans-1,2-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 4:28:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
cis-1,2-Dichloroethene	**12**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Chloroform	**ND**	2.0	S	µg/L	2	3/26/2019 4:28:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Trichloroethene	**6.5**	2.0	S	µg/L	2	3/26/2019 4:28:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Tetrachloroethene	**160**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Bromoform	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Surr: 4-Bromofluorobenzene	**109**	76.1-125		%REC	2	3/26/2019 4:28:00 PM

Adirondack Environmental Services, Inc

Date: *28-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190322067**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW2
Collection Date: 3/22/2019
Lab Sample ID: 190322067-002
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Chloromethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Bromomethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Chloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,1-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 4:53:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
trans-1,2-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 4:53:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
cis-1,2-Dichloroethene	**10**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Chloroform	**ND**	2.0	S	µg/L	2	3/26/2019 4:53:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Trichloroethene	**5.5**	2.0	S	µg/L	2	3/26/2019 4:53:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Tetrachloroethene	**150**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Bromoform	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Surr: 4-Bromofluorobenzene	**107**	76.1-125		%REC	2	3/26/2019 4:53:00 PM

Adirondack Environmental Services, Inc

Date: *28-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190322067**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW3
Collection Date: 3/22/2019
Lab Sample ID: 190322067-003
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Chloromethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Bromomethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Chloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,1-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 5:17:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
trans-1,2-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 5:17:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
cis-1,2-Dichloroethene	**6.1**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Chloroform	**ND**	2.0	S	µg/L	2	3/26/2019 5:17:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Trichloroethene	**2.9**	2.0	S	µg/L	2	3/26/2019 5:17:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Tetrachloroethene	**200**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Bromoform	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Surr: 4-Bromofluorobenzene	**113**	76.1-125		%REC	2	3/26/2019 5:17:00 PM

Adirondack Environmental Services, Inc

Date: *28-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190322067**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: Effluent
Collection Date: 3/22/2019
Lab Sample ID: 190322067-004
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Chloromethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Vinyl chloride	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Bromomethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Chloroethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Trichlorofluoromethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
1,1-Dichloroethene	**ND**	1.0	SN	µg/L	1	3/26/2019 4:04:00 PM
Methylene chloride	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
trans-1,2-Dichloroethene	**ND**	1.0	SN	µg/L	1	3/26/2019 4:04:00 PM
1,1-Dichloroethane	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
cis-1,2-Dichloroethene	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
Chloroform	**ND**	1.0	SN	µg/L	1	3/26/2019 4:04:00 PM
1,1,1-Trichloroethane	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
Carbon tetrachloride	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
1,2-Dichloroethane	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
Trichloroethene	**ND**	1.0	SN	µg/L	1	3/26/2019 4:04:00 PM
Bromodichloromethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
1,2-Dichloropropane	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
cis-1,3-Dichloropropene	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
trans-1,3-Dichloropropene	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
1,1,2-Trichloroethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Tetrachloroethene	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Dibromochloromethane	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
Chlorobenzene	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Bromoform	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
1,1,2,2-Tetrachloroethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
1,3-Dichlorobenzene	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
1,4-Dichlorobenzene	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
1,2-Dichlorobenzene	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
Surr: 4-Bromofluorobenzene	**112**	76.1-125		%REC	1	3/26/2019 4:04:00 PM

Adirondack Environmental Services, Inc

Date: *28-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190322067**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: DUP
Collection Date: 3/22/2019
Lab Sample ID: 190322067-005
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Chloromethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Bromomethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Chloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,1-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 5:41:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
trans-1,2-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 5:41:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
cis-1,2-Dichloroethene	**6.1**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Chloroform	**ND**	2.0	S	µg/L	2	3/26/2019 5:41:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Trichloroethene	**2.5**	2.0	S	µg/L	2	3/26/2019 5:41:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Tetrachloroethene	**190**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Bromoform	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Surr: 4-Bromofluorobenzene	**112**	76.1-125		%REC	2	3/26/2019 5:41:00 PM

Adirondack Environmental Services Inc.

314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES Work Order # 190322067

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany NY	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Jenelle Gaylord	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9813		

Samplers: (Signature) Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW 7	3/22/19	1:00	P	H2O		X	2	E601
002	RW 2	3/22/19	1:05	P	H2O		X	2	E601
003	RW 3	3/22/19	1:06	P	H2O		X	2	E601
004	Effluent	3/22/19	1:09	P	H2O		X	2	E601
005	Dup	3/22/19	1:12	P	H2O		X	2	E601
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS (Client) AES Other:_____

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

CC Report To / Special Instructions/Remarks:
JVenudente@EAEST.Com
ATalbot@Actech Env.com
Jenelle Gaylord@dec.NY.Gov

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	Kaitlin Mazurka	3/22/19 2:11pm

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	Y ☒ N ☐	(Y) N	(Y) N
Notes: 11°C		Notes:	

WHITE - Lab Copy YELLOW - Sampler Copy

Adirondack Environmental Servic

Demo
190322067

Adirondack Environmental Services Inc.
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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

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314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

January 30, 2019

A Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383

Work Order No: 190124062
PO#: C200302

RE: Roxy Cleaners
DEC Monthly analysis

Dear A Talbot:

Adirondack Environmental Services, Inc received 5 samples on 1/24/2019 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Krzysztof Trafalski
Laboratory Manager

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*30-Jan-19*
Project:	Roxy Cleaners		
Lab Order:	190124062		

Sample containers were supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:		
	ND : Not Detected at reporting limit	C: CCV below acceptable Limits
	J: Analyte detected below quantitation limit	C+: CCV above acceptable Limits
	B: Analyte detected in Blank	S: LCS Spike recovery is below acceptable limits
	X : Exceeds maximum contamination limit	S+: LCS Spike recovery is above acceptable limits
	H: Hold time exceeded	Z: Duplication outside acceptable limits
	N: Matrix Spike below acceptable limits	T : Tentatively Identified Compound-Estimated
	N+: Matrix Spike is above acceptable limits	E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *30-Jan-19*

CLIENT: Aztech Technologies
Work Order: **190124062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW1
Collection Date: 1/24/2019
Lab Sample ID: 190124062-001
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Chloromethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Vinyl chloride	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Bromomethane	**ND**	2.0	S	µg/L	2	1/26/2019 7:42:00 AM
Chloroethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Methylene chloride	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
cis-1,2-Dichloroethene	**33**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Chloroform	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Carbon tetrachloride	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Trichloroethene	**20**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Bromodichloromethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Tetrachloroethene	**210**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Dibromochloromethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Chlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Bromoform	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 7:42:00 AM
Surr: 4-Bromofluorobenzene	**85.9**	76.1-125		%REC	2	1/26/2019 7:42:00 AM

Adirondack Environmental Services, Inc

Date: *30-Jan-19*

CLIENT: Aztech Technologies
Work Order: **190124062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW2
Collection Date: 1/24/2019
Lab Sample ID: 190124062-002
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Chloromethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Vinyl chloride	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Bromomethane	**ND**	2.0	S	µg/L	2	1/26/2019 8:07:00 AM
Chloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Methylene chloride	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
cis-1,2-Dichloroethene	**8.9**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Chloroform	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Carbon tetrachloride	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Trichloroethene	**7.3**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Bromodichloromethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Tetrachloroethene	**180**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Dibromochloromethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Chlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Bromoform	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:07:00 AM
Surr: 4-Bromofluorobenzene	**86.3**	76.1-125		%REC	2	1/26/2019 8:07:00 AM

Adirondack Environmental Services, Inc

Date: *30-Jan-19*

CLIENT: Aztech Technologies
Work Order: **190124062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW3
Collection Date: 1/24/2019
Lab Sample ID: 190124062-003
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Chloromethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Vinyl chloride	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Bromomethane	**ND**	2.0	S	µg/L	2	1/26/2019 8:32:00 AM
Chloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Methylene chloride	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
cis-1,2-Dichloroethene	**4.6**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Chloroform	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Carbon tetrachloride	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Trichloroethene	**4.0**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Bromodichloromethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Tetrachloroethene	**210**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Dibromochloromethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Chlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Bromoform	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	1/26/2019 8:32:00 AM
Surr: 4-Bromofluorobenzene	**85.9**	76.1-125		%REC	2	1/26/2019 8:32:00 AM

Adirondack Environmental Services, Inc

Date: *30-Jan-19*

CLIENT: Aztech Technologies
Work Order: **190124062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: DUP
Collection Date: 1/24/2019
Lab Sample ID: 190124062-004
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Chloromethane	**ND**	1.0	S	µg/L	1	1/29/2019 8:52:00 PM
Vinyl chloride	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Bromomethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Chloroethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Trichlorofluoromethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,1-Dichloroethene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Methylene chloride	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
trans-1,2-Dichloroethene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,1-Dichloroethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
cis-1,2-Dichloroethene	**ND**	1.0	S	µg/L	1	1/29/2019 8:52:00 PM
Chloroform	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,1,1-Trichloroethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Carbon tetrachloride	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,2-Dichloroethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Trichloroethene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Bromodichloromethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,2-Dichloropropane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
cis-1,3-Dichloropropene	**ND**	1.0	S	µg/L	1	1/29/2019 8:52:00 PM
trans-1,3-Dichloropropene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,1,2-Trichloroethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Tetrachloroethene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Dibromochloromethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Chlorobenzene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Bromoform	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,1,2,2-Tetrachloroethane	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,3-Dichlorobenzene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,4-Dichlorobenzene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
1,2-Dichlorobenzene	**ND**	1.0		µg/L	1	1/29/2019 8:52:00 PM
Surr: 4-Bromofluorobenzene	**86.3**	76.1-125		%REC	1	1/29/2019 8:52:00 PM

Adirondack Environmental Services, Inc

Date: *30-Jan-19*

CLIENT: Aztech Technologies
Work Order: **190124062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: Effluent
Collection Date: 1/24/2019
Lab Sample ID: 190124062-005
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Chloromethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Vinyl chloride	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Bromomethane	**ND**	1.0	S	µg/L	1	1/26/2019 3:50:00 AM
Chloroethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Trichlorofluoromethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,1-Dichloroethene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Methylene chloride	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
trans-1,2-Dichloroethene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,1-Dichloroethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
cis-1,2-Dichloroethene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Chloroform	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,1,1-Trichloroethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Carbon tetrachloride	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,2-Dichloroethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Trichloroethene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Bromodichloromethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,2-Dichloropropane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
cis-1,3-Dichloropropene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
trans-1,3-Dichloropropene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,1,2-Trichloroethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Tetrachloroethene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Dibromochloromethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Chlorobenzene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Bromoform	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,1,2,2-Tetrachloroethane	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,3-Dichlorobenzene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,4-Dichlorobenzene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
1,2-Dichlorobenzene	**ND**	1.0		µg/L	1	1/26/2019 3:50:00 AM
Surr: 4-Bromofluorobenzene	**91.4**	76.1-125		%REC	1	1/26/2019 3:50:00 AM

Adirondack Environmental Services, Inc.

314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES Work Order # 190124062

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany N.Y.	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Jenelle Gaylord	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518.402-9813		**Samplers: (Signature)** Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW1	1/24/19	1:00	A	H_2O		X	2	E 601
002	RW2	1/24/19	1:02	A	H_2O		X	2	E 601
003	RW3	1/24/19	1:04	A	H_2O		X	2	E 601
004	Dup	1/24/19	1:06	A	H_2O		X	2	E 601
005	Effluent	1/24/19	1:08	A	H_2O		X	2	E 601
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS (Client) AES Other:_____

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

CC Report To / Special Instructions/Remarks:
ATalbot@Haleeb Env.Com
JVonudenfz@EAEST.Com
Jenelle.Gaylord@dec.NY.Gov

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	Kaitlin Nagacha	1/24/19 2:22pm

Temperature	AES Bottles		Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y	N	(Y) N	(Y) N
Notes: 6.0°C	☒	☐	Notes:	

WHITE - Lab Copy YELLOW - Sampler Copy

Adirondack Environmental Servic

Demo
190124062

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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

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(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

March 04, 2019

A Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383

Work Order No: 190222038
PO#: C200302

RE: Roxy Cleaners
DEC Monthly analysis

Dear A Talbot:

Adirondack Environmental Services, Inc received 5 samples on 2/22/2019 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Director

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*04-Mar-19*
Project:	Roxy Cleaners		
Lab Order:	190222038		

Sample containers were supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:

- ND : Not Detected at reporting limit
- J: Analyte detected below quantitation limit
- B: Analyte detected in Blank
- X : Exceeds maximum contamination limit
- H: Hold time exceeded
- N: Matrix Spike below acceptable limits
- N+: Matrix Spike is above acceptable limits
- C: CCV below acceptable Limits
- C+: CCV above acceptable Limits
- S: LCS Spike recovery is below acceptable limits
- S+: LCS Spike recovery is above acceptable limits
- Z: Duplication outside acceptable limits
- T : Tentatively Identified Compound-Estimated
- E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *04-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190222038**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW1
Collection Date: 2/22/2019
Lab Sample ID: 190222038-001
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **MG**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Chloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Bromomethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Chloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
cis-1,2-Dichloroethene	**26**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Chloroform	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Trichloroethene	**11**	2.0	S	µg/L	2	2/26/2019 9:51:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Tetrachloroethene	**130**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Bromoform	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:51:00 PM
Surr: 4-Bromofluorobenzene	**138**	76.1-125	S	%REC	2	2/26/2019 9:51:00 PM

Adirondack Environmental Services, Inc

Date: *04-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190222038**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW2
Collection Date: 2/22/2019
Lab Sample ID: 190222038-002
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **MG**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Chloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Bromomethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Chloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
cis-1,2-Dichloroethene	**7.3**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Chloroform	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Trichloroethene	**5.5**	2.0	S	µg/L	2	2/26/2019 9:27:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Tetrachloroethene	**130**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Bromoform	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:27:00 PM
Surr: 4-Bromofluorobenzene	**108**	76.1-125		%REC	2	2/26/2019 9:27:00 PM

Adirondack Environmental Services, Inc

Date: *04-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190222038**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW3
Collection Date: 2/22/2019
Lab Sample ID: 190222038-003
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **MG**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Chloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Bromomethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Chloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
cis-1,2-Dichloroethene	**6.4**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Chloroform	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Trichloroethene	**ND**	2.0	S	µg/L	2	2/26/2019 9:03:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Tetrachloroethene	**110**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Bromoform	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 9:03:00 PM
Surr: 4-Bromofluorobenzene	**101**	76.1-125		%REC	2	2/26/2019 9:03:00 PM

Adirondack Environmental Services, Inc

Date: *04-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190222038**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: Effluent
Collection Date: 2/22/2019
Lab Sample ID: 190222038-004
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **MG**
Dichlorodifluoromethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Chloromethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Vinyl chloride	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Bromomethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Chloroethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Trichlorofluoromethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,1-Dichloroethene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Methylene chloride	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
trans-1,2-Dichloroethene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,1-Dichloroethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
cis-1,2-Dichloroethene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Chloroform	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,1,1-Trichloroethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Carbon tetrachloride	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,2-Dichloroethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Trichloroethene	**ND**	1.0	S	µg/L	1	2/26/2019 8:39:00 PM
Bromodichloromethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,2-Dichloropropane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
cis-1,3-Dichloropropene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
trans-1,3-Dichloropropene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,1,2-Trichloroethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Tetrachloroethene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Dibromochloromethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Chlorobenzene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Bromoform	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,1,2,2-Tetrachloroethane	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,3-Dichlorobenzene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,4-Dichlorobenzene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
1,2-Dichlorobenzene	**ND**	1.0		µg/L	1	2/26/2019 8:39:00 PM
Surr: 4-Bromofluorobenzene	**114**	76.1-125		%REC	1	2/26/2019 8:39:00 PM

Adirondack Environmental Services, Inc

Date: *04-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190222038**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: DUP
Collection Date: 2/22/2019
Lab Sample ID: 190222038-005
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **MG**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Chloromethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Bromomethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Chloroethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
cis-1,2-Dichloroethene	**6.4**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Chloroform	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Trichloroethene	**5.6**	2.0	S	µg/L	2	2/26/2019 10:15:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Tetrachloroethene	**140**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Bromoform	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	2/26/2019 10:15:00 PM
Surr: 4-Bromofluorobenzene	**120**	76.1-125		%REC	2	2/26/2019 10:15:00 PM

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order # 190222038

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
DEC Central Remediation	625 Broadway Albany NY	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Jenelle Gaylord	Roxy Cleaners	Andrew Talbot + John Stutzke
Client Phone No:	**Client Email:**	**PO Number:**
(518) 402-9791	Jenelle.Gaylord@dec.ny.gov	**Samplers: (Signature)**

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW1	2/22/19	09:05 A	W		X	2	EPA 601
002	RW2		09:10 A	W		X	2	EPA 601
003	RW3		09:15 A	W		X	2	EPA 601
004	Effluent		09:00 A	W		X	2	EPA 601
005	Dup		09:20 A	W		X	2	EPA 601
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					

Shipment Arrived Via:
FedEx UPS Client AES Other:_____

CC Report To / Special Instructions/Remarks:
JVonWeritz@EAEST.com
Jenelle.Gaylord@dec.ny.gov
ATalbot@aztechenv.com

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
2/22/19 10:00		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	2/22/19 10:41 AM	

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y ☒ N ☐	Y N	Y N
Notes: 5°C		Notes:	

WHITE - Lab Copy YELLOW - Sampler Copy

Adirondack Environmental Service

Demo
190222038

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

March 28, 2019

A Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383

Work Order No: 190322067
PO#: C200302

RE: Roxy Cleaners
DEC Monthly analysis

Dear A Talbot:

Adirondack Environmental Services, Inc received 5 samples on 3/22/2019 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Director

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*28-Mar-19*
Project:	Roxy Cleaners		
Lab Order:	190322067		

Sample containers were supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:

- ND : Not Detected at reporting limit
- J: Analyte detected below quantitation limit
- B: Analyte detected in Blank
- X : Exceeds maximum contamination limit
- H: Hold time exceeded
- N: Matrix Spike below acceptable limits
- N+: Matrix Spike is above acceptable limits
- C: CCV below acceptable Limits
- C+: CCV above acceptable Limits
- S: LCS Spike recovery is below acceptable limits
- S+: LCS Spike recovery is above acceptable limits
- Z: Duplication outside acceptable limits
- T : Tentatively Identified Compound-Estimated
- E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *28-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190322067**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW1
Collection Date: 3/22/2019
Lab Sample ID: 190322067-001
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Chloromethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Bromomethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Chloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,1-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 4:28:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
trans-1,2-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 4:28:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
cis-1,2-Dichloroethene	**12**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Chloroform	**ND**	2.0	S	µg/L	2	3/26/2019 4:28:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Trichloroethene	**6.5**	2.0	S	µg/L	2	3/26/2019 4:28:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Tetrachloroethene	**160**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Bromoform	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:28:00 PM
Surr: 4-Bromofluorobenzene	**109**	76.1-125		%REC	2	3/26/2019 4:28:00 PM

Adirondack Environmental Services, Inc

Date: *28-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190322067**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW2
Collection Date: 3/22/2019
Lab Sample ID: 190322067-002
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Chloromethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Bromomethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Chloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,1-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 4:53:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
trans-1,2-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 4:53:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
cis-1,2-Dichloroethene	**10**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Chloroform	**ND**	2.0	S	µg/L	2	3/26/2019 4:53:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Trichloroethene	**5.5**	2.0	S	µg/L	2	3/26/2019 4:53:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Tetrachloroethene	**150**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Bromoform	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 4:53:00 PM
Surr: 4-Bromofluorobenzene	**107**	76.1-125		%REC	2	3/26/2019 4:53:00 PM

Adirondack Environmental Services, Inc

Date: *28-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190322067**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW3
Collection Date: 3/22/2019
Lab Sample ID: 190322067-003
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Chloromethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Bromomethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Chloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,1-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 5:17:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
trans-1,2-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 5:17:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
cis-1,2-Dichloroethene	**6.1**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Chloroform	**ND**	2.0	S	µg/L	2	3/26/2019 5:17:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Trichloroethene	**2.9**	2.0	S	µg/L	2	3/26/2019 5:17:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Tetrachloroethene	**200**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Bromoform	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:17:00 PM
Surr: 4-Bromofluorobenzene	**113**	76.1-125		%REC	2	3/26/2019 5:17:00 PM

Adirondack Environmental Services, Inc

Date: *28-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190322067**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: Effluent
Collection Date: 3/22/2019
Lab Sample ID: 190322067-004
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Chloromethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Vinyl chloride	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Bromomethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Chloroethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Trichlorofluoromethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
1,1-Dichloroethene	**ND**	1.0	SN	µg/L	1	3/26/2019 4:04:00 PM
Methylene chloride	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
trans-1,2-Dichloroethene	**ND**	1.0	SN	µg/L	1	3/26/2019 4:04:00 PM
1,1-Dichloroethane	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
cis-1,2-Dichloroethene	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
Chloroform	**ND**	1.0	SN	µg/L	1	3/26/2019 4:04:00 PM
1,1,1-Trichloroethane	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
Carbon tetrachloride	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
1,2-Dichloroethane	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
Trichloroethene	**ND**	1.0	SN	µg/L	1	3/26/2019 4:04:00 PM
Bromodichloromethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
1,2-Dichloropropane	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
cis-1,3-Dichloropropene	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
trans-1,3-Dichloropropene	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
1,1,2-Trichloroethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Tetrachloroethene	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Dibromochloromethane	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
Chlorobenzene	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
Bromoform	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
1,1,2,2-Tetrachloroethane	**ND**	1.0		µg/L	1	3/26/2019 4:04:00 PM
1,3-Dichlorobenzene	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
1,4-Dichlorobenzene	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
1,2-Dichlorobenzene	**ND**	1.0	N	µg/L	1	3/26/2019 4:04:00 PM
Surr: 4-Bromofluorobenzene	**112**	76.1-125		%REC	1	3/26/2019 4:04:00 PM

Adirondack Environmental Services, Inc

Date: *28-Mar-19*

CLIENT: Aztech Technologies
Work Order: **190322067**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: DUP
Collection Date: 3/22/2019
Lab Sample ID: 190322067-005
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Chloromethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Bromomethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Chloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,1-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 5:41:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
trans-1,2-Dichloroethene	**ND**	2.0	S	µg/L	2	3/26/2019 5:41:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
cis-1,2-Dichloroethene	**6.1**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Chloroform	**ND**	2.0	S	µg/L	2	3/26/2019 5:41:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Trichloroethene	**2.5**	2.0	S	µg/L	2	3/26/2019 5:41:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Tetrachloroethene	**190**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Bromoform	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	3/26/2019 5:41:00 PM
Surr: 4-Bromofluorobenzene	**112**	76.1-125		%REC	2	3/26/2019 5:41:00 PM

Adirondack Environmental Services Inc.

314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES Work Order # 190322067

Client Name:	Address:	
Dec Central Remediation	625 Broadway Albany NY	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Jenelle Gaylord	Roxy Cleaners	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9813		

Samplers: (Signature) Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW 7	3/22/19	1:00	P	H2O		X	2	E601
002	RW 2	3/22/19	1:05	P	H2O		X	2	E601
003	RW 3	3/22/19	1:06	P	H2O		X	2	E601
004	Effluent	3/22/19	1:09	P	H2O		X	2	E601
005	Dup	3/22/19	1:12	P	H2O		X	2	E601
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:
FedEx UPS (Client) AES Other:_____

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day
Note: Samples received after 3:30 pm are considered next business day

CC Report To / Special Instructions/Remarks:
JVenudente@EAEST.Com
ATalbot@Actech Env.com
Jenelle Gaylord@dec.NY.Gov

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	Kaitlin Mazurka	3/22/19 2:11pm

Temperature	AES Bottles	Properly Preserved	Received Within Holding Times
Ambient or (Chilled)	Y ☒ N ☐	(Y) N	(Y) N
Notes: 11°C		Notes:	

WHITE - Lab Copy YELLOW - Sampler Copy

Adirondack Environmental Servic

Demo
190322067

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

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Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

August 01, 2019

A Talbot
Aztech Technologies
5 McCrea Hill Road
Ballston Spa, NY 12020

TEL: (518) 885-5383

Work Order No: 190719062
PO#: C200302

RE: Roxy Cleaners
DEC Monthly analysis

Dear A Talbot:

Adirondack Environmental Services, Inc received 5 samples on 7/19/2019 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Monica Higdon
Laboratory Manager

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	Aztech Technologies	**Date:**	*01-Aug-19*
Project:	Roxy Cleaners		
Lab Order:	190719062		

Sample containers were supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:

ND : Not Detected at reporting limit	C: CCV below acceptable Limits
J: Analyte detected below quantitation limit	C+: CCV above acceptable Limits
B: Analyte detected in Blank	S: LCS Spike recovery is below acceptable limits
X : Exceeds maximum contamination limit	S+: LCS Spike recovery is above acceptable limits
H: Hold time exceeded	Z: Duplication outside acceptable limits
N: Matrix Spike below acceptable limits	T : Tentatively Identified Compound-Estimated
N+: Matrix Spike is above acceptable limits	E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *01-Aug-19*

CLIENT: Aztech Technologies
Work Order: **190719062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW1
Collection Date: 7/19/2019
Lab Sample ID: 190719062-001
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Chloromethane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Bromomethane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Chloroethane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
cis-1,2-Dichloroethene	**66**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Chloroform	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Trichloroethene	**20**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Tetrachloroethene	**230**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Bromoform	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 7:53:00 PM
Surr: 4-Bromofluorobenzene	**95.3**	76.1-125		%REC	2	7/22/2019 7:53:00 PM

Adirondack Environmental Services, Inc

Date: *01-Aug-19*

CLIENT: Aztech Technologies
Work Order: **190719062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW2
Collection Date: 7/19/2019
Lab Sample ID: 190719062-002
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Chloromethane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Bromomethane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Chloroethane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
cis-1,2-Dichloroethene	**13**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Chloroform	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Trichloroethene	**7.1**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Tetrachloroethene	**190**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Bromoform	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 8:17:00 PM
Surr: 4-Bromofluorobenzene	**98.1**	76.1-125		%REC	2	7/22/2019 8:17:00 PM

Adirondack Environmental Services, Inc

Date: *01-Aug-19*

CLIENT: Aztech Technologies
Work Order: **190719062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: RW3
Collection Date: 7/19/2019
Lab Sample ID: 190719062-003
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Chloromethane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Bromomethane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Chloroethane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
cis-1,2-Dichloroethene	**10**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Chloroform	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Trichloroethene	**6.5**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Tetrachloroethene	**200**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Bromoform	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 8:41:00 PM
Surr: 4-Bromofluorobenzene	**99.1**	76.1-125		%REC	2	7/22/2019 8:41:00 PM

Adirondack Environmental Services, Inc

Date: *01-Aug-19*

CLIENT: Aztech Technologies
Work Order: **190719062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: Effluent
Collection Date: 7/19/2019
Lab Sample ID: 190719062-004
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	1.0	S	µg/L	1	7/22/2019 7:29:00 PM
Chloromethane	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Vinyl chloride	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Bromomethane	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Chloroethane	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Trichlorofluoromethane	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
1,1-Dichloroethene	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Methylene chloride	**ND**	1.0	S	µg/L	1	7/22/2019 7:29:00 PM
trans-1,2-Dichloroethene	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
1,1-Dichloroethane	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
cis-1,2-Dichloroethene	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Chloroform	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
1,1,1-Trichloroethane	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Carbon tetrachloride	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
1,2-Dichloroethane	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Trichloroethene	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Bromodichloromethane	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
1,2-Dichloropropane	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
cis-1,3-Dichloropropene	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
trans-1,3-Dichloropropene	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
1,1,2-Trichloroethane	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Tetrachloroethene	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Dibromochloromethane	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Chlorobenzene	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Bromoform	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
1,1,2,2-Tetrachloroethane	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
1,3-Dichlorobenzene	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
1,4-Dichlorobenzene	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
1,2-Dichlorobenzene	**ND**	1.0		µg/L	1	7/22/2019 7:29:00 PM
Surr: 4-Bromofluorobenzene	**95.3**	76.1-125		%REC	1	7/22/2019 7:29:00 PM

Adirondack Environmental Services, Inc

Date: *01-Aug-19*

CLIENT: Aztech Technologies
Work Order: **190719062**
Reference: Roxy Cleaners / DEC Monthly analysis
PO#: C200302

Client Sample ID: DUP
Collection Date: 7/19/2019
Lab Sample ID: 190719062-005
Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS - EPA 601/602						Analyst: **SMD**
Dichlorodifluoromethane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Chloromethane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Vinyl chloride	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Bromomethane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Chloroethane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Trichlorofluoromethane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
1,1-Dichloroethene	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Methylene chloride	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
trans-1,2-Dichloroethene	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
1,1-Dichloroethane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
cis-1,2-Dichloroethene	**12**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Chloroform	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
1,1,1-Trichloroethane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Carbon tetrachloride	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
1,2-Dichloroethane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Trichloroethene	**7.0**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Bromodichloromethane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
1,2-Dichloropropane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
cis-1,3-Dichloropropene	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
trans-1,3-Dichloropropene	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
1,1,2-Trichloroethane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Tetrachloroethene	**190**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Dibromochloromethane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Chlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Bromoform	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
1,1,2,2-Tetrachloroethane	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
1,3-Dichlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
1,4-Dichlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
1,2-Dichlorobenzene	**ND**	2.0		µg/L	2	7/22/2019 9:05:00 PM
Surr: 4-Bromofluorobenzene	**99.2**	76.1-125		%REC	2	7/22/2019 9:05:00 PM

Adirondack Environmental Services Inc.

314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

Experience is the solution

CHAIN OF CUSTODY RECORD

AES Work Order # 190719062

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
DecCentral Remediation	625 Broadway Albany NY	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Jenelle Gaylord	Roxy Cleaner	Frank Zabel
Client Phone No:	**Client Email:**	**PO Number:**
518-402-9813		
		Samplers: (Signature) Frank Zabel

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	RW 1	7/19/19	12:45	A/P	H2O		X	2	E 601
002	RW 2	7/19/19	12:47	A/P	H2O		X	2	E 601
003	RW 3	7/19/19	12:49	A/P	H2O		X	2	E 601
004	Effluent	7/19/19	12:51	A/P	H2O		X	2	E 601
005	Dup	7/19/19	12:47	A/P	H2O		X	2	E 601
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					
				A/P					

Shipment Arrived Via:

FedEx UPS Client AES Other:_____

Turnaround Time Request:

☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day

Note: Samples received after 3:30 pm are considered next business day

CC Report To / Special Instructions/Remarks:

ATalbot@Aztech Env. Com
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Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Frank Zabel		
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	J. C	7/19/19 2:23 PM

TEMPERATURE
Ambient or Chilled
Notes: 6.0C

AES Bottles
Y ☒ N ☐

PROPERLY PRESERVED
(Y) N
Notes:_____

RECEIVED WITHIN HOLDING TIMES
(Y) N

WHITE - Lab Copy YELLOW - Sampler Copy

Adirondack Environmental Servic

Demo
190719062

Adirondack Environmental Services Inc.
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eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-158104-1
Client Project/Site: Roxy Cleaners #442024

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Jenelle Gaylord

Authorized for release by:
9/5/2019 8:07:34 PM
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Designee for

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LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-158104-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-158104-1

Job ID: 480-158104-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-158104-1

Receipt
The samples were received on 8/24/2019 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-489137 recovered outside control limits for the following analytes: Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: RW-1 (480-158104-1), RW-2 (480-158104-2), RW-3 (480-158104-3), DUP (480-158104-4), EFFLUENT (480-158104-5) and TRIP BLANK (480-158104-6).

Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: RW-1 (480-158104-1), RW-2 (480-158104-2) and RW-3 (480-158104-3). Elevated reporting limits (RLs) are provided.

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

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-158104-1

Client Sample ID: RW-1

Date Collected: 08/23/19 13:32
Date Received: 08/24/19 09:00

Lab Sample ID: 480-158104-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			08/28/19 14:41	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			08/28/19 14:41	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			08/28/19 14:41	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			08/28/19 14:41	10
1,1-Dichloroethane	ND		10	3.8	ug/L			08/28/19 14:41	10
1,1-Dichloroethene	ND		10	2.9	ug/L			08/28/19 14:41	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			08/28/19 14:41	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			08/28/19 14:41	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			08/28/19 14:41	10
1,2-Dichloroethane	ND		10	2.1	ug/L			08/28/19 14:41	10
1,2-Dichloropropane	ND		10	7.2	ug/L			08/28/19 14:41	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			08/28/19 14:41	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			08/28/19 14:41	10
2-Butanone (MEK)	ND		100	13	ug/L			08/28/19 14:41	10
2-Hexanone	ND		50	12	ug/L			08/28/19 14:41	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			08/28/19 14:41	10
Acetone	ND		100	30	ug/L			08/28/19 14:41	10
Benzene	ND		10	4.1	ug/L			08/28/19 14:41	10
Bromodichloromethane	ND		10	3.9	ug/L			08/28/19 14:41	10
Bromoform	ND		10	2.6	ug/L			08/28/19 14:41	10
Bromomethane	ND		10	6.9	ug/L			08/28/19 14:41	10
Carbon disulfide	ND		10	1.9	ug/L			08/28/19 14:41	10
Carbon tetrachloride	ND		10	2.7	ug/L			08/28/19 14:41	10
Chlorobenzene	ND		10	7.5	ug/L			08/28/19 14:41	10
Dibromochloromethane	ND		10	3.2	ug/L			08/28/19 14:41	10
Chloroethane	ND		10	3.2	ug/L			08/28/19 14:41	10
Chloroform	ND		10	3.4	ug/L			08/28/19 14:41	10
Chloromethane	ND		10	3.5	ug/L			08/28/19 14:41	10
cis-1,2-Dichloroethene	**130**		10	8.1	ug/L			08/28/19 14:41	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			08/28/19 14:41	10
Cyclohexane	ND		10	1.8	ug/L			08/28/19 14:41	10
Dichlorodifluoromethane	ND	*	10	6.8	ug/L			08/28/19 14:41	10
Ethylbenzene	ND		10	7.4	ug/L			08/28/19 14:41	10
1,2-Dibromoethane	ND		10	7.3	ug/L			08/28/19 14:41	10
Isopropylbenzene	ND		10	7.9	ug/L			08/28/19 14:41	10
Methyl acetate	ND		25	13	ug/L			08/28/19 14:41	10
Methyl tert-butyl ether	**3.9**	**J**	10	1.6	ug/L			08/28/19 14:41	10
Methylcyclohexane	ND		10	1.6	ug/L			08/28/19 14:41	10
Methylene Chloride	ND		10	4.4	ug/L			08/28/19 14:41	10
Styrene	ND		10	7.3	ug/L			08/28/19 14:41	10
Tetrachloroethene	**310**		10	3.6	ug/L			08/28/19 14:41	10
Toluene	ND		10	5.1	ug/L			08/28/19 14:41	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			08/28/19 14:41	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			08/28/19 14:41	10
Trichloroethene	**51**		10	4.6	ug/L			08/28/19 14:41	10
Trichlorofluoromethane	ND		10	8.8	ug/L			08/28/19 14:41	10
Vinyl chloride	ND		10	9.0	ug/L			08/28/19 14:41	10
Xylenes, Total	ND		20	6.6	ug/L			08/28/19 14:41	10

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-158104-1

Client Sample ID: RW-1

Lab Sample ID: 480-158104-1

Date Collected: 08/23/19 13:32

Matrix: Water

Date Received: 08/24/19 09:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/28/19 14:41*	*10*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*08/28/19 14:41*	*10*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/28/19 14:41*	*10*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*08/28/19 14:41*	*10*

Client Sample ID: RW-2

Lab Sample ID: 480-158104-2

Date Collected: 08/23/19 13:34

Matrix: Water

Date Received: 08/24/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			08/28/19 15:05	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			08/28/19 15:05	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			08/28/19 15:05	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			08/28/19 15:05	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			08/28/19 15:05	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			08/28/19 15:05	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			08/28/19 15:05	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			08/28/19 15:05	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			08/28/19 15:05	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			08/28/19 15:05	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			08/28/19 15:05	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			08/28/19 15:05	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			08/28/19 15:05	5
2-Butanone (MEK)	ND		50	6.6	ug/L			08/28/19 15:05	5
2-Hexanone	ND		25	6.2	ug/L			08/28/19 15:05	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			08/28/19 15:05	5
Acetone	ND		50	15	ug/L			08/28/19 15:05	5
Benzene	ND		5.0	2.1	ug/L			08/28/19 15:05	5
Bromodichloromethane	ND		5.0	2.0	ug/L			08/28/19 15:05	5
Bromoform	ND		5.0	1.3	ug/L			08/28/19 15:05	5
Bromomethane	ND		5.0	3.5	ug/L			08/28/19 15:05	5
Carbon disulfide	ND		5.0	0.95	ug/L			08/28/19 15:05	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			08/28/19 15:05	5
Chlorobenzene	ND		5.0	3.8	ug/L			08/28/19 15:05	5
Dibromochloromethane	ND		5.0	1.6	ug/L			08/28/19 15:05	5
Chloroethane	ND		5.0	1.6	ug/L			08/28/19 15:05	5
Chloroform	ND		5.0	1.7	ug/L			08/28/19 15:05	5
Chloromethane	ND		5.0	1.8	ug/L			08/28/19 15:05	5
cis-1,2-Dichloroethene	**7.7**		5.0	4.1	ug/L			08/28/19 15:05	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			08/28/19 15:05	5
Cyclohexane	ND		5.0	0.90	ug/L			08/28/19 15:05	5
Dichlorodifluoromethane	ND	*	5.0	3.4	ug/L			08/28/19 15:05	5
Ethylbenzene	ND		5.0	3.7	ug/L			08/28/19 15:05	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			08/28/19 15:05	5
Isopropylbenzene	ND		5.0	4.0	ug/L			08/28/19 15:05	5
Methyl acetate	ND		13	6.5	ug/L			08/28/19 15:05	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			08/28/19 15:05	5
Methylcyclohexane	ND		5.0	0.80	ug/L			08/28/19 15:05	5
Methylene Chloride	ND		5.0	2.2	ug/L			08/28/19 15:05	5

Client Sample ID: RW-2

Lab Sample ID: 480-158104-2

Date Collected: 08/23/19 13:34

Matrix: Water

Date Received: 08/24/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0	3.7	ug/L			08/28/19 15:05	5
Tetrachloroethene	**210**		5.0	1.8	ug/L			08/28/19 15:05	5
Toluene	ND		5.0	2.6	ug/L			08/28/19 15:05	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			08/28/19 15:05	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			08/28/19 15:05	5
Trichloroethene	ND		5.0	2.3	ug/L			08/28/19 15:05	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			08/28/19 15:05	5
Vinyl chloride	ND		5.0	4.5	ug/L			08/28/19 15:05	5
Xylenes, Total	ND		10	3.3	ug/L			08/28/19 15:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/28/19 15:05*	*5*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*08/28/19 15:05*	*5*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*08/28/19 15:05*	*5*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*08/28/19 15:05*	*5*

Client Sample ID: RW-3

Lab Sample ID: 480-158104-3

Date Collected: 08/23/19 13:36

Matrix: Water

Date Received: 08/24/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			08/28/19 15:29	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			08/28/19 15:29	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			08/28/19 15:29	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			08/28/19 15:29	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			08/28/19 15:29	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			08/28/19 15:29	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			08/28/19 15:29	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			08/28/19 15:29	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			08/28/19 15:29	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			08/28/19 15:29	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			08/28/19 15:29	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			08/28/19 15:29	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			08/28/19 15:29	5
2-Butanone (MEK)	ND		50	6.6	ug/L			08/28/19 15:29	5
2-Hexanone	ND		25	6.2	ug/L			08/28/19 15:29	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			08/28/19 15:29	5
Acetone	ND		50	15	ug/L			08/28/19 15:29	5
Benzene	ND		5.0	2.1	ug/L			08/28/19 15:29	5
Bromodichloromethane	ND		5.0	2.0	ug/L			08/28/19 15:29	5
Bromoform	ND		5.0	1.3	ug/L			08/28/19 15:29	5
Bromomethane	ND		5.0	3.5	ug/L			08/28/19 15:29	5
Carbon disulfide	ND		5.0	0.95	ug/L			08/28/19 15:29	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			08/28/19 15:29	5
Chlorobenzene	ND		5.0	3.8	ug/L			08/28/19 15:29	5
Dibromochloromethane	ND		5.0	1.6	ug/L			08/28/19 15:29	5
Chloroethane	ND		5.0	1.6	ug/L			08/28/19 15:29	5
Chloroform	ND		5.0	1.7	ug/L			08/28/19 15:29	5
Chloromethane	ND		5.0	1.8	ug/L			08/28/19 15:29	5

Client Sample ID: RW-3

Lab Sample ID: 480-158104-3

Date Collected: 08/23/19 13:36

Matrix: Water

Date Received: 08/24/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**6.8**		5.0	4.1	ug/L			08/28/19 15:29	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			08/28/19 15:29	5
Cyclohexane	ND		5.0	0.90	ug/L			08/28/19 15:29	5
Dichlorodifluoromethane	ND	*	5.0	3.4	ug/L			08/28/19 15:29	5
Ethylbenzene	ND		5.0	3.7	ug/L			08/28/19 15:29	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			08/28/19 15:29	5
Isopropylbenzene	ND		5.0	4.0	ug/L			08/28/19 15:29	5
Methyl acetate	ND		13	6.5	ug/L			08/28/19 15:29	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			08/28/19 15:29	5
Methylcyclohexane	ND		5.0	0.80	ug/L			08/28/19 15:29	5
Methylene Chloride	ND		5.0	2.2	ug/L			08/28/19 15:29	5
Styrene	ND		5.0	3.7	ug/L			08/28/19 15:29	5
Tetrachloroethene	**230**		5.0	1.8	ug/L			08/28/19 15:29	5
Toluene	ND		5.0	2.6	ug/L			08/28/19 15:29	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			08/28/19 15:29	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			08/28/19 15:29	5
Trichloroethene	**2.8**	**J**	5.0	2.3	ug/L			08/28/19 15:29	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			08/28/19 15:29	5
Vinyl chloride	ND		5.0	4.5	ug/L			08/28/19 15:29	5
Xylenes, Total	ND		10	3.3	ug/L			08/28/19 15:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/28/19 15:29*	*5*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*08/28/19 15:29*	*5*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*08/28/19 15:29*	*5*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*08/28/19 15:29*	*5*

Client Sample ID: DUP

Lab Sample ID: 480-158104-4

Date Collected: 08/23/19 13:38

Matrix: Water

Date Received: 08/24/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/28/19 15:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/19 15:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/28/19 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/28/19 15:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/28/19 15:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/28/19 15:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/28/19 15:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/28/19 15:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/28/19 15:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/19 15:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/28/19 15:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/28/19 15:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/28/19 15:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/28/19 15:53	1
2-Hexanone	ND		5.0	1.2	ug/L			08/28/19 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/28/19 15:53	1
Acetone	ND		10	3.0	ug/L			08/28/19 15:53	1

Client Sample ID: DUP

Lab Sample ID: 480-158104-4

Date Collected: 08/23/19 13:38

Matrix: Water

Date Received: 08/24/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/28/19 15:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/28/19 15:53	1
Bromoform	ND		1.0	0.26	ug/L			08/28/19 15:53	1
Bromomethane	ND		1.0	0.69	ug/L			08/28/19 15:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/28/19 15:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/28/19 15:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/28/19 15:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/28/19 15:53	1
Chloroethane	ND		1.0	0.32	ug/L			08/28/19 15:53	1
Chloroform	ND		1.0	0.34	ug/L			08/28/19 15:53	1
Chloromethane	ND		1.0	0.35	ug/L			08/28/19 15:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/28/19 15:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/28/19 15:53	1
Cyclohexane	ND		1.0	0.18	ug/L			08/28/19 15:53	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/28/19 15:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/28/19 15:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/28/19 15:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/28/19 15:53	1
Methyl acetate	ND		2.5	1.3	ug/L			08/28/19 15:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/28/19 15:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/28/19 15:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/19 15:53	1
Styrene	ND		1.0	0.73	ug/L			08/28/19 15:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/28/19 15:53	1
Toluene	ND		1.0	0.51	ug/L			08/28/19 15:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/28/19 15:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/28/19 15:53	1
Trichloroethene	ND		1.0	0.46	ug/L			08/28/19 15:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/28/19 15:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/28/19 15:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/28/19 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/28/19 15:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*08/28/19 15:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*08/28/19 15:53*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*08/28/19 15:53*	*1*

Client Sample ID: EFFLUENT

Lab Sample ID: 480-158104-5

Date Collected: 08/23/19 13:30

Matrix: Water

Date Received: 08/24/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/28/19 16:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/19 16:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/28/19 16:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/28/19 16:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/28/19 16:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/28/19 16:16	1

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-158104-1

Client Sample ID: EFFLUENT
Date Collected: 08/23/19 13:30
Date Received: 08/24/19 09:00

Lab Sample ID: 480-158104-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/28/19 16:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/28/19 16:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/28/19 16:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/19 16:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/28/19 16:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/28/19 16:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/28/19 16:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/28/19 16:16	1
2-Hexanone	ND		5.0	1.2	ug/L			08/28/19 16:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/28/19 16:16	1
Acetone	ND		10	3.0	ug/L			08/28/19 16:16	1
Benzene	ND		1.0	0.41	ug/L			08/28/19 16:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/28/19 16:16	1
Bromoform	ND		1.0	0.26	ug/L			08/28/19 16:16	1
Bromomethane	ND		1.0	0.69	ug/L			08/28/19 16:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/28/19 16:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/28/19 16:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/28/19 16:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/28/19 16:16	1
Chloroethane	ND		1.0	0.32	ug/L			08/28/19 16:16	1
Chloroform	ND		1.0	0.34	ug/L			08/28/19 16:16	1
Chloromethane	ND		1.0	0.35	ug/L			08/28/19 16:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/28/19 16:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/28/19 16:16	1
Cyclohexane	ND		1.0	0.18	ug/L			08/28/19 16:16	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/28/19 16:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/28/19 16:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/28/19 16:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/28/19 16:16	1
Methyl acetate	ND		2.5	1.3	ug/L			08/28/19 16:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/28/19 16:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/28/19 16:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/19 16:16	1
Styrene	ND		1.0	0.73	ug/L			08/28/19 16:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/28/19 16:16	1
Toluene	ND		1.0	0.51	ug/L			08/28/19 16:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/28/19 16:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/28/19 16:16	1
Trichloroethene	ND		1.0	0.46	ug/L			08/28/19 16:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/28/19 16:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/28/19 16:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/28/19 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/28/19 16:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*08/28/19 16:16*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*08/28/19 16:16*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*08/28/19 16:16*	*1*

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-158104-1

Client Sample ID: TRIP BLANK

Date Collected: 08/23/19 13:40
Date Received: 08/24/19 09:00

Lab Sample ID: 480-158104-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/28/19 16:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/19 16:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/28/19 16:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/28/19 16:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/28/19 16:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/28/19 16:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/28/19 16:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/28/19 16:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/28/19 16:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/28/19 16:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/28/19 16:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/28/19 16:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/28/19 16:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/28/19 16:40	1
2-Hexanone	ND		5.0	1.2	ug/L			08/28/19 16:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/28/19 16:40	1
Acetone	ND		10	3.0	ug/L			08/28/19 16:40	1
Benzene	ND		1.0	0.41	ug/L			08/28/19 16:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/28/19 16:40	1
Bromoform	ND		1.0	0.26	ug/L			08/28/19 16:40	1
Bromomethane	ND		1.0	0.69	ug/L			08/28/19 16:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/28/19 16:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/28/19 16:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/28/19 16:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/28/19 16:40	1
Chloroethane	ND		1.0	0.32	ug/L			08/28/19 16:40	1
Chloroform	ND		1.0	0.34	ug/L			08/28/19 16:40	1
Chloromethane	ND		1.0	0.35	ug/L			08/28/19 16:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/28/19 16:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/28/19 16:40	1
Cyclohexane	ND		1.0	0.18	ug/L			08/28/19 16:40	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/28/19 16:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/28/19 16:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/28/19 16:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/28/19 16:40	1
Methyl acetate	ND		2.5	1.3	ug/L			08/28/19 16:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/28/19 16:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/28/19 16:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/19 16:40	1
Styrene	ND		1.0	0.73	ug/L			08/28/19 16:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/28/19 16:40	1
Toluene	ND		1.0	0.51	ug/L			08/28/19 16:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/28/19 16:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/28/19 16:40	1
Trichloroethene	ND		1.0	0.46	ug/L			08/28/19 16:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/28/19 16:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/28/19 16:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/28/19 16:40	1

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-158104-1

Client Sample ID: TRIP BLANK
Date Collected: 08/23/19 13:40
Date Received: 08/24/19 09:00

Lab Sample ID: 480-158104-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		08/28/19 16:40	1
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		08/28/19 16:40	1
4-Bromofluorobenzene (Surr)	104		73 - 120		08/28/19 16:40	1
Dibromofluoromethane (Surr)	100		75 - 123		08/28/19 16:40	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-158104-1

Client Sample ID: RW-1
Lab Sample ID: 480-158104-1
Date Collected: 08/23/19 13:32
Matrix: Water
Date Received: 08/24/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	489137	08/28/19 14:41	AMM	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-158104-2
Date Collected: 08/23/19 13:34
Matrix: Water
Date Received: 08/24/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	489137	08/28/19 15:05	AMM	TAL BUF

Client Sample ID: RW-3
Lab Sample ID: 480-158104-3
Date Collected: 08/23/19 13:36
Matrix: Water
Date Received: 08/24/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	489137	08/28/19 15:29	AMM	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-158104-4
Date Collected: 08/23/19 13:38
Matrix: Water
Date Received: 08/24/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	489137	08/28/19 15:53	AMM	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-158104-5
Date Collected: 08/23/19 13:30
Matrix: Water
Date Received: 08/24/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	489137	08/28/19 16:16	AMM	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-158104-6
Date Collected: 08/23/19 13:40
Matrix: Water
Date Received: 08/24/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	489137	08/28/19 16:40	AMM	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-158104-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-158104-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-158104-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-158104-1	RW-1	Water	08/23/19 13:32	08/24/19 09:00	
480-158104-2	RW-2	Water	08/23/19 13:34	08/24/19 09:00	
480-158104-3	RW-3	Water	08/23/19 13:36	08/24/19 09:00	
480-158104-4	DUP	Water	08/23/19 13:38	08/24/19 09:00	
480-158104-5	EFFLUENT	Water	08/23/19 13:30	08/24/19 09:00	
480-158104-6	TRIP BLANK	Water	08/23/19 13:40	08/24/19 09:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Frank Zabel	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-133570-30092.1
Client Contact: Jessica Marcy	Phone: 518-470-0435	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days):			
State, Zip: NY, 12020				
Phone:	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

Analysis Requested

480-158104 Chain of Custody

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
[illegible]aHSO4
[illegible]eOH
[illegible]mchlor
[illegible]scorbic Acid
[illegible]a
[illegible] Water
[illegible]DTA
[illegible]DA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
[illegible]er:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	Total Number of	Special Instructions/Note:
			Preservation Code:				A	A		
RW-1	8/23/19	1:32	G	Water			X	X		
RW-2	8/23/19	1:34	G	Water			X	X		
RW-3	8/23/19	1:36	G	Water			X	X		
DUP	8/23/19	1:38	G	Water			X	X		
Effluent	8/23/19	1:30	G	Water			X	X		
Trip Blank	8/23/19	1:40	G	Water			X	X		
RZ	8/23/19									

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: ATalbot@Aztech Env. Com

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Frank Zabel	8/23/19 1425	Aztech	Karl Loehr	8/23/19 1425	ETA
2	Karl Loehr	8/23/19 1700	ETA	CJ Callan	8/24/19 0908	TAS
3						

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: #1 2.6

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-158104-1

Login Number: 158104 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZT
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-159577-1
Client Project/Site: Roxy Cleaners #442024

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Jenelle Gaylord

Joseph V. Giacomazza

Authorized for release by:
10/4/2019 11:41:30 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

LINKS

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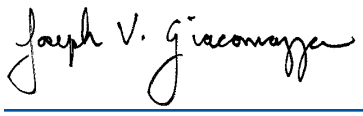
This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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



Joe Giacomazza
Project Management Assistant II
10/4/2019 11:41:30 AM

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-159577-1
Project/Site: Roxy Cleaners #442024

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-159577-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-159577-1

Comments
No additional comments.

Receipt
The samples were received on 9/21/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-3 (480-159577-3), DUP (480-159577-4), (480-159577-A-3 MS) and (480-159577-A-3 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-494977 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, 2-Butanone (MEK), Carbon disulfide, Cyclohexane, Methylene Chloride and Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: EFFLUENT (480-159577-5) and TRIP BLANK (480-159577-6).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-494977 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, 2-Butanone (MEK), Carbon disulfide, Cyclohexane and Methylene Chloride. The samples associated with this CCV were non-detects above the reporting limit (RL) for the affected analytes; therefore, the data have been reported. The following samples are impacted: RW-3 (480-159577-3) and DUP (480-159577-4).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in 480-494977 was outside the method criteria, high bias, for the following analyte: Tetrachloroethene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. Due to holding time limitations the samples were not reanalyzed. The following samples are impacted: RW-3 (480-159577-3) and DUP (480-159577-4).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-494834 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: RW-1 (480-159577-1).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-494834 recovered outside control limits for the following analyte: Dichlorodifluoromethane. This analyte has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The following samples are impacted: RW-1 (480-159577-1).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: RW-1 (480-159577-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-495134 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: RW-1 (480-159577-1) and RW-2 (480-159577-2).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-1 (480-159577-1) and RW-2 (480-159577-2). Elevated reporting limits (RLs) are provided.

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

Client: New York State D.E.C.
Job ID: 480-159577-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-159577-1
Date Collected: 09/20/19 13:03
Matrix: Water
Date Received: 09/21/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			09/30/19 16:33	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			09/30/19 16:33	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			09/30/19 16:33	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			09/30/19 16:33	10
1,1-Dichloroethane	ND		10	3.8	ug/L			09/30/19 16:33	10
1,1-Dichloroethene	ND		10	2.9	ug/L			09/30/19 16:33	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			09/30/19 16:33	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			09/30/19 16:33	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			09/30/19 16:33	10
1,2-Dichloroethane	ND		10	2.1	ug/L			09/30/19 16:33	10
1,2-Dichloropropane	ND		10	7.2	ug/L			09/30/19 16:33	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			09/30/19 16:33	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			09/30/19 16:33	10
2-Butanone (MEK)	ND		100	13	ug/L			09/30/19 16:33	10
2-Hexanone	ND		50	12	ug/L			09/30/19 16:33	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			09/30/19 16:33	10
Acetone	**52**	**J**	100	30	ug/L			09/30/19 16:33	10
Benzene	ND		10	4.1	ug/L			09/30/19 16:33	10
Bromodichloromethane	ND		10	3.9	ug/L			09/30/19 16:33	10
Bromoform	ND		10	2.6	ug/L			09/30/19 16:33	10
Bromomethane	ND		10	6.9	ug/L			09/30/19 16:33	10
Carbon disulfide	ND		10	1.9	ug/L			09/30/19 16:33	10
Carbon tetrachloride	ND		10	2.7	ug/L			09/30/19 16:33	10
Chlorobenzene	ND		10	7.5	ug/L			09/30/19 16:33	10
Dibromochloromethane	ND		10	3.2	ug/L			09/30/19 16:33	10
Chloroethane	ND		10	3.2	ug/L			09/30/19 16:33	10
Chloroform	ND		10	3.4	ug/L			09/30/19 16:33	10
Chloromethane	ND		10	3.5	ug/L			09/30/19 16:33	10
cis-1,2-Dichloroethene	**1200**	**E**	10	8.1	ug/L			09/30/19 16:33	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			09/30/19 16:33	10
Cyclohexane	ND		10	1.8	ug/L			09/30/19 16:33	10
Dichlorodifluoromethane	ND	*	10	6.8	ug/L			09/30/19 16:33	10
Ethylbenzene	ND		10	7.4	ug/L			09/30/19 16:33	10
1,2-Dibromoethane	ND		10	7.3	ug/L			09/30/19 16:33	10
Isopropylbenzene	ND		10	7.9	ug/L			09/30/19 16:33	10
Methyl acetate	ND		25	13	ug/L			09/30/19 16:33	10
Methyl tert-butyl ether	**5.1**	**J**	10	1.6	ug/L			09/30/19 16:33	10
Methylcyclohexane	ND		10	1.6	ug/L			09/30/19 16:33	10
Methylene Chloride	ND		10	4.4	ug/L			09/30/19 16:33	10
Styrene	ND		10	7.3	ug/L			09/30/19 16:33	10
Tetrachloroethene	**8.0**	**J**	10	3.6	ug/L			09/30/19 16:33	10
Toluene	ND		10	5.1	ug/L			09/30/19 16:33	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			09/30/19 16:33	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			09/30/19 16:33	10
Trichloroethene	**7.6**	**J**	10	4.6	ug/L			09/30/19 16:33	10
Trichlorofluoromethane	ND		10	8.8	ug/L			09/30/19 16:33	10
Vinyl chloride	ND		10	9.0	ug/L			09/30/19 16:33	10
Xylenes, Total	ND		20	6.6	ug/L			09/30/19 16:33	10

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-159577-1

Client Sample ID: RW-1

Date Collected: 09/20/19 13:03
Date Received: 09/21/19 08:00

Lab Sample ID: 480-159577-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*112*		*80 - 120*		*09/30/19 16:33*	*10*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*09/30/19 16:33*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*09/30/19 16:33*	*10*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*09/30/19 16:33*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			10/01/19 17:33	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/01/19 17:33	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/01/19 17:33	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			10/01/19 17:33	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/01/19 17:33	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/01/19 17:33	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/01/19 17:33	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/01/19 17:33	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/01/19 17:33	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/01/19 17:33	20
1,2-Dichloropropane	ND		20	14	ug/L			10/01/19 17:33	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/01/19 17:33	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/01/19 17:33	20
2-Butanone (MEK)	ND		200	26	ug/L			10/01/19 17:33	20
2-Hexanone	ND		100	25	ug/L			10/01/19 17:33	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/01/19 17:33	20
Acetone	ND		200	60	ug/L			10/01/19 17:33	20
Benzene	ND		20	8.2	ug/L			10/01/19 17:33	20
Bromodichloromethane	ND		20	7.8	ug/L			10/01/19 17:33	20
Bromoform	ND		20	5.2	ug/L			10/01/19 17:33	20
Bromomethane	ND		20	14	ug/L			10/01/19 17:33	20
Carbon disulfide	ND		20	3.8	ug/L			10/01/19 17:33	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/01/19 17:33	20
Chlorobenzene	ND		20	15	ug/L			10/01/19 17:33	20
Dibromochloromethane	ND		20	6.4	ug/L			10/01/19 17:33	20
Chloroethane	ND		20	6.4	ug/L			10/01/19 17:33	20
Chloroform	ND		20	6.8	ug/L			10/01/19 17:33	20
Chloromethane	ND		20	7.0	ug/L			10/01/19 17:33	20
cis-1,2-Dichloroethene	**1100**		20	16	ug/L			10/01/19 17:33	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/01/19 17:33	20
Cyclohexane	ND		20	3.6	ug/L			10/01/19 17:33	20
Dichlorodifluoromethane	ND		20	14	ug/L			10/01/19 17:33	20
Ethylbenzene	ND		20	15	ug/L			10/01/19 17:33	20
1,2-Dibromoethane	ND		20	15	ug/L			10/01/19 17:33	20
Isopropylbenzene	ND		20	16	ug/L			10/01/19 17:33	20
Methyl acetate	ND		50	26	ug/L			10/01/19 17:33	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/01/19 17:33	20
Methylcyclohexane	ND		20	3.2	ug/L			10/01/19 17:33	20
Methylene Chloride	ND		20	8.8	ug/L			10/01/19 17:33	20
Styrene	ND		20	15	ug/L			10/01/19 17:33	20
Tetrachloroethene	ND		20	7.2	ug/L			10/01/19 17:33	20
Toluene	ND		20	10	ug/L			10/01/19 17:33	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/01/19 17:33	20

Client Sample ID: RW-1

Lab Sample ID: 480-159577-1

Date Collected: 09/20/19 13:03

Matrix: Water

Date Received: 09/21/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/01/19 17:33	20
Trichloroethene	ND		20	9.2	ug/L			10/01/19 17:33	20
Trichlorofluoromethane	ND		20	18	ug/L			10/01/19 17:33	20
Vinyl chloride	ND		20	18	ug/L			10/01/19 17:33	20
Xylenes, Total	ND		40	13	ug/L			10/01/19 17:33	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*80 - 120*		*10/01/19 17:33*	*20*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/01/19 17:33*	*20*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*		*10/01/19 17:33*	*20*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/01/19 17:33*	*20*

Client Sample ID: RW-2

Lab Sample ID: 480-159577-2

Date Collected: 09/20/19 13:06

Matrix: Water

Date Received: 09/21/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/01/19 17:56	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/01/19 17:56	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/01/19 17:56	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/01/19 17:56	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/01/19 17:56	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/01/19 17:56	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/01/19 17:56	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/01/19 17:56	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/01/19 17:56	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/01/19 17:56	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/01/19 17:56	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/01/19 17:56	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/01/19 17:56	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/01/19 17:56	5
2-Hexanone	ND		25	6.2	ug/L			10/01/19 17:56	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/01/19 17:56	5
Acetone	ND		50	15	ug/L			10/01/19 17:56	5
Benzene	ND		5.0	2.1	ug/L			10/01/19 17:56	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/01/19 17:56	5
Bromoform	ND		5.0	1.3	ug/L			10/01/19 17:56	5
Bromomethane	ND		5.0	3.5	ug/L			10/01/19 17:56	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/01/19 17:56	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/01/19 17:56	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/01/19 17:56	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/01/19 17:56	5
Chloroethane	ND		5.0	1.6	ug/L			10/01/19 17:56	5
Chloroform	**2.1**	**J**	5.0	1.7	ug/L			10/01/19 17:56	5
Chloromethane	ND		5.0	1.8	ug/L			10/01/19 17:56	5
cis-1,2-Dichloroethene	**19**		5.0	4.1	ug/L			10/01/19 17:56	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/01/19 17:56	5
Cyclohexane	ND		5.0	0.90	ug/L			10/01/19 17:56	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/01/19 17:56	5

Client: New York State D.E.C.
Job ID: 480-159577-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-2
Lab Sample ID: 480-159577-2
Date Collected: 09/20/19 13:06
Matrix: Water
Date Received: 09/21/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		5.0	3.7	ug/L			10/01/19 17:56	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/01/19 17:56	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/01/19 17:56	5
Methyl acetate	ND		13	6.5	ug/L			10/01/19 17:56	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/01/19 17:56	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/01/19 17:56	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/01/19 17:56	5
Styrene	ND		5.0	3.7	ug/L			10/01/19 17:56	5
Tetrachloroethene	**240**		5.0	1.8	ug/L			10/01/19 17:56	5
Toluene	ND		5.0	2.6	ug/L			10/01/19 17:56	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/01/19 17:56	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/01/19 17:56	5
Trichloroethene	**19**		5.0	2.3	ug/L			10/01/19 17:56	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/01/19 17:56	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/01/19 17:56	5
Xylenes, Total	ND		10	3.3	ug/L			10/01/19 17:56	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/01/19 17:56*	*5*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/01/19 17:56*	*5*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*10/01/19 17:56*	*5*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/01/19 17:56*	*5*

Client Sample ID: RW-3
Lab Sample ID: 480-159577-3
Date Collected: 09/20/19 13:09
Matrix: Water
Date Received: 09/21/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/01/19 02:58	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/01/19 02:58	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/01/19 02:58	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/01/19 02:58	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/01/19 02:58	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/01/19 02:58	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/01/19 02:58	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/01/19 02:58	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/01/19 02:58	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/01/19 02:58	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/01/19 02:58	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/01/19 02:58	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/01/19 02:58	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/01/19 02:58	5
2-Hexanone	ND		25	6.2	ug/L			10/01/19 02:58	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/01/19 02:58	5
Acetone	ND		50	15	ug/L			10/01/19 02:58	5
Benzene	ND		5.0	2.1	ug/L			10/01/19 02:58	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/01/19 02:58	5
Bromoform	ND		5.0	1.3	ug/L			10/01/19 02:58	5
Bromomethane	ND		5.0	3.5	ug/L			10/01/19 02:58	5

Client Sample ID: RW-3

Lab Sample ID: 480-159577-3

Date Collected: 09/20/19 13:09

Matrix: Water

Date Received: 09/21/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.95	ug/L			10/01/19 02:58	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/01/19 02:58	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/01/19 02:58	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/01/19 02:58	5
Chloroethane	ND		5.0	1.6	ug/L			10/01/19 02:58	5
Chloroform	ND		5.0	1.7	ug/L			10/01/19 02:58	5
Chloromethane	ND		5.0	1.8	ug/L			10/01/19 02:58	5
cis-1,2-Dichloroethene	**6.7**		5.0	4.1	ug/L			10/01/19 02:58	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/01/19 02:58	5
Cyclohexane	ND		5.0	0.90	ug/L			10/01/19 02:58	5
Dichlorodifluoromethane	ND	F1	5.0	3.4	ug/L			10/01/19 02:58	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/01/19 02:58	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/01/19 02:58	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/01/19 02:58	5
Methyl acetate	ND		13	6.5	ug/L			10/01/19 02:58	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/01/19 02:58	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/01/19 02:58	5
Methylene Chloride	**4.2**	**J**	5.0	2.2	ug/L			10/01/19 02:58	5
Styrene	ND		5.0	3.7	ug/L			10/01/19 02:58	5
Tetrachloroethene	**240**	**F1**	5.0	1.8	ug/L			10/01/19 02:58	5
Toluene	ND		5.0	2.6	ug/L			10/01/19 02:58	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/01/19 02:58	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/01/19 02:58	5
Trichloroethene	**4.5**	**J**	5.0	2.3	ug/L			10/01/19 02:58	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/01/19 02:58	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/01/19 02:58	5
Xylenes, Total	ND		10	3.3	ug/L			10/01/19 02:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*80 - 120*		*10/01/19 02:58*	*5*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/01/19 02:58*	*5*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*10/01/19 02:58*	*5*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/01/19 02:58*	*5*

Client Sample ID: DUP

Lab Sample ID: 480-159577-4

Date Collected: 09/20/19 13:12

Matrix: Water

Date Received: 09/21/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			10/01/19 03:21	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			10/01/19 03:21	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			10/01/19 03:21	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			10/01/19 03:21	10
1,1-Dichloroethane	ND		10	3.8	ug/L			10/01/19 03:21	10
1,1-Dichloroethene	ND		10	2.9	ug/L			10/01/19 03:21	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			10/01/19 03:21	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			10/01/19 03:21	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			10/01/19 03:21	10
1,2-Dichloroethane	ND		10	2.1	ug/L			10/01/19 03:21	10

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-159577-1

Client Sample ID: DUP
Date Collected: 09/20/19 13:12
Date Received: 09/21/19 08:00

Lab Sample ID: 480-159577-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		10	7.2	ug/L			10/01/19 03:21	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			10/01/19 03:21	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			10/01/19 03:21	10
2-Butanone (MEK)	ND		100	13	ug/L			10/01/19 03:21	10
2-Hexanone	ND		50	12	ug/L			10/01/19 03:21	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			10/01/19 03:21	10
Acetone	ND		100	30	ug/L			10/01/19 03:21	10
Benzene	ND		10	4.1	ug/L			10/01/19 03:21	10
Bromodichloromethane	ND		10	3.9	ug/L			10/01/19 03:21	10
Bromoform	ND		10	2.6	ug/L			10/01/19 03:21	10
Bromomethane	ND		10	6.9	ug/L			10/01/19 03:21	10
Carbon disulfide	ND		10	1.9	ug/L			10/01/19 03:21	10
Carbon tetrachloride	ND		10	2.7	ug/L			10/01/19 03:21	10
Chlorobenzene	ND		10	7.5	ug/L			10/01/19 03:21	10
Dibromochloromethane	ND		10	3.2	ug/L			10/01/19 03:21	10
Chloroethane	ND		10	3.2	ug/L			10/01/19 03:21	10
Chloroform	ND		10	3.4	ug/L			10/01/19 03:21	10
Chloromethane	ND		10	3.5	ug/L			10/01/19 03:21	10
cis-1,2-Dichloroethene	**18**		10	8.1	ug/L			10/01/19 03:21	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			10/01/19 03:21	10
Cyclohexane	ND		10	1.8	ug/L			10/01/19 03:21	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			10/01/19 03:21	10
Ethylbenzene	ND		10	7.4	ug/L			10/01/19 03:21	10
1,2-Dibromoethane	ND		10	7.3	ug/L			10/01/19 03:21	10
Isopropylbenzene	ND		10	7.9	ug/L			10/01/19 03:21	10
Methyl acetate	ND		25	13	ug/L			10/01/19 03:21	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			10/01/19 03:21	10
Methylcyclohexane	ND		10	1.6	ug/L			10/01/19 03:21	10
Methylene Chloride	ND		10	4.4	ug/L			10/01/19 03:21	10
Styrene	ND		10	7.3	ug/L			10/01/19 03:21	10
Tetrachloroethene	**570**		10	3.6	ug/L			10/01/19 03:21	10
Toluene	ND		10	5.1	ug/L			10/01/19 03:21	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			10/01/19 03:21	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			10/01/19 03:21	10
Trichloroethene	**13**		10	4.6	ug/L			10/01/19 03:21	10
Trichlorofluoromethane	ND		10	8.8	ug/L			10/01/19 03:21	10
Vinyl chloride	ND		10	9.0	ug/L			10/01/19 03:21	10
Xylenes, Total	ND		20	6.6	ug/L			10/01/19 03:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*80 - 120*		*10/01/19 03:21*	*10*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/01/19 03:21*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/01/19 03:21*	*10*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/01/19 03:21*	*10*

Client: New York State D.E.C.
Job ID: 480-159577-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: EFFLUENT
Lab Sample ID: 480-159577-5
Date Collected: 09/20/19 13:00
Matrix: Water
Date Received: 09/21/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 03:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/01/19 03:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/01/19 03:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/01/19 03:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/01/19 03:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 03:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 03:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 03:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 03:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 03:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 03:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 03:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 03:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 03:44	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 03:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 03:44	1
Acetone	**8.9**	**J**	10	3.0	ug/L			10/01/19 03:44	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 03:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 03:44	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 03:44	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 03:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 03:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 03:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 03:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/01/19 03:44	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 03:44	1
Chloroform	ND		1.0	0.34	ug/L			10/01/19 03:44	1
Chloromethane	ND		1.0	0.35	ug/L			10/01/19 03:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/01/19 03:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 03:44	1
Cyclohexane	ND		1.0	0.18	ug/L			10/01/19 03:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 03:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 03:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/01/19 03:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 03:44	1
Methyl acetate	ND		2.5	1.3	ug/L			10/01/19 03:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/01/19 03:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/01/19 03:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 03:44	1
Styrene	ND		1.0	0.73	ug/L			10/01/19 03:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/01/19 03:44	1
Toluene	ND		1.0	0.51	ug/L			10/01/19 03:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/01/19 03:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 03:44	1
Trichloroethene	ND		1.0	0.46	ug/L			10/01/19 03:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 03:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 03:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/01/19 03:44	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-159577-5

Date Collected: 09/20/19 13:00
Matrix: Water
Date Received: 09/21/19 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*80 - 120*		*10/01/19 03:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/01/19 03:44*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*10/01/19 03:44*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/01/19 03:44*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-159577-6

Date Collected: 09/20/19 13:15
Matrix: Water
Date Received: 09/21/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 04:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/01/19 04:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/01/19 04:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/01/19 04:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/01/19 04:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 04:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 04:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 04:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 04:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 04:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 04:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 04:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 04:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 04:07	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 04:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 04:07	1
Acetone	ND		10	3.0	ug/L			10/01/19 04:07	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 04:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 04:07	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 04:07	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 04:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 04:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 04:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 04:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/01/19 04:07	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 04:07	1
Chloroform	ND		1.0	0.34	ug/L			10/01/19 04:07	1
Chloromethane	ND		1.0	0.35	ug/L			10/01/19 04:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/01/19 04:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 04:07	1
Cyclohexane	ND		1.0	0.18	ug/L			10/01/19 04:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 04:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 04:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/01/19 04:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 04:07	1
Methyl acetate	ND		2.5	1.3	ug/L			10/01/19 04:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/01/19 04:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/01/19 04:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 04:07	1

Client: New York State D.E.C.
Job ID: 480-159577-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-159577-6
Date Collected: 09/20/19 13:15
Matrix: Water
Date Received: 09/21/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			10/01/19 04:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/01/19 04:07	1
Toluene	ND		1.0	0.51	ug/L			10/01/19 04:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/01/19 04:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 04:07	1
Trichloroethene	ND		1.0	0.46	ug/L			10/01/19 04:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 04:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 04:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/01/19 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*80 - 120*		*10/01/19 04:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/01/19 04:07*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*10/01/19 04:07*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*10/01/19 04:07*	*1*

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-159577-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-159577-1
Date Collected: 09/20/19 13:03
Matrix: Water
Date Received: 09/21/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	494834	09/30/19 16:33	KMN	TAL BUF
Total/NA	Analysis	8260C	DL	20	495134	10/01/19 17:33	KMN	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-159577-2
Date Collected: 09/20/19 13:06
Matrix: Water
Date Received: 09/21/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	495134	10/01/19 17:56	KMN	TAL BUF

Client Sample ID: RW-3
Lab Sample ID: 480-159577-3
Date Collected: 09/20/19 13:09
Matrix: Water
Date Received: 09/21/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	494977	10/01/19 02:58	KMN	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-159577-4
Date Collected: 09/20/19 13:12
Matrix: Water
Date Received: 09/21/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	494977	10/01/19 03:21	KMN	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-159577-5
Date Collected: 09/20/19 13:00
Matrix: Water
Date Received: 09/21/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	494977	10/01/19 03:44	KMN	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-159577-6
Date Collected: 09/20/19 13:15
Matrix: Water
Date Received: 09/21/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	494977	10/01/19 04:07	KMN	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-159577-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-159577-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Job ID: 480-159577-1
Project/Site: Roxy Cleaners #442024

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-159577-1	RW-1	Water	09/20/19 13:03	09/21/19 08:00	
480-159577-2	RW-2	Water	09/20/19 13:06	09/21/19 08:00	
480-159577-3	RW-3	Water	09/20/19 13:09	09/21/19 08:00	
480-159577-4	DUP	Water	09/20/19 13:12	09/21/19 08:00	
480-159577-5	EFFLUENT	Water	09/20/19 13:00	09/21/19 08:00	
480-159577-6	TRIP BLANK	Water	09/20/19 13:15	09/21/19 08:00	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-159577-1

Login Number: 159577

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Hulbert, Michael J

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH TECHNOLOGIES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

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Client Information	Sampler: Frank Zabel	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-133571-30092.1
Client Contact: Jessica Marcy	Phone: 518-470-0435	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days): STD			
State, Zip: NY, 12020				
Phone:	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A		
RW-1	9/20/19	1:03	G	Water			X			
RW-2	9/20/19	1:06	G	Water			X			
RW-3	9/20/19	1:09	G	Water			X			
DUP	9/20/19	1:12	G	Water			X			
Effluent	9/20/19	1:00	G	Water			X			
Trip Blank	9/20/19	1:15		Water				X		
	FZ	9/20/19								

480-159577 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Aftabot@Aztech.Env, J.Vanvleet@EAEst, Janelle.Coy@EAEst, Janelle.Coy@EAEst.com

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Frank Zabel	9/20/19 1420	Aztech	Karl Zappe	9/20/19 1420	ETA
Karl Zappe	9/20/19 1700	ETA	Cavalle	9/21/19 0800	TAB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 3.0

Ver: 01/16/2019

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-160867-1
Client Project/Site: Roxy Cleaners #442024

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Jenelle Gaylord

Joseph V. Giacomazza

Authorized for release by:
10/30/2019 4:00:24 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-160867-1

Qualifiers

GC/MS VOA

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

General Chemistry

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

Glossary

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

Job ID: 480-160867-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-160867-1

Comments
No additional comments.

Receipt
The samples were received on 10/12/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-1 (480-160867-1) and RW-2 (480-160867-2). Elevated reporting limits (RLs) are provided.

Method 8260C: Surrogate recovery for the following sample was outside the upper control limit: TRIP BLANK (480-160867-6). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-3 (480-160867-3), (480-160867-C-3 MS) and (480-160867-C-3 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP (480-160867-4). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method SM 5310C: The following sample needed additional concentrated hydrochloric acid to be added in order to meet method requirement of pH below two prior to analysis.
RW-1 (480-160867-1)

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

Client Sample Results

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-160867-1

Client Sample ID: RW-1

Date Collected: 10/11/19 13:02
Date Received: 10/12/19 08:00

Lab Sample ID: 480-160867-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			10/18/19 13:38	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/18/19 13:38	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/18/19 13:38	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			10/18/19 13:38	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/18/19 13:38	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/18/19 13:38	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/18/19 13:38	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/18/19 13:38	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/18/19 13:38	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/18/19 13:38	20
1,2-Dichloropropane	ND		20	14	ug/L			10/18/19 13:38	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/18/19 13:38	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/18/19 13:38	20
2-Butanone (MEK)	**150**	**J**	200	26	ug/L			10/18/19 13:38	20
2-Hexanone	ND		100	25	ug/L			10/18/19 13:38	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/18/19 13:38	20
Acetone	**470**		200	60	ug/L			10/18/19 13:38	20
Benzene	ND		20	8.2	ug/L			10/18/19 13:38	20
Bromodichloromethane	ND		20	7.8	ug/L			10/18/19 13:38	20
Bromoform	ND		20	5.2	ug/L			10/18/19 13:38	20
Bromomethane	ND		20	14	ug/L			10/18/19 13:38	20
Carbon disulfide	ND		20	3.8	ug/L			10/18/19 13:38	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/18/19 13:38	20
Chlorobenzene	ND		20	15	ug/L			10/18/19 13:38	20
Dibromochloromethane	ND		20	6.4	ug/L			10/18/19 13:38	20
Chloroethane	ND		20	6.4	ug/L			10/18/19 13:38	20
Chloroform	ND		20	6.8	ug/L			10/18/19 13:38	20
Chloromethane	ND		20	7.0	ug/L			10/18/19 13:38	20
cis-1,2-Dichloroethene	**1600**		20	16	ug/L			10/18/19 13:38	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/18/19 13:38	20
Cyclohexane	ND		20	3.6	ug/L			10/18/19 13:38	20
Dichlorodifluoromethane	ND		20	14	ug/L			10/18/19 13:38	20
Ethylbenzene	ND		20	15	ug/L			10/18/19 13:38	20
1,2-Dibromoethane	ND		20	15	ug/L			10/18/19 13:38	20
Isopropylbenzene	ND		20	16	ug/L			10/18/19 13:38	20
Methyl acetate	ND		50	26	ug/L			10/18/19 13:38	20
Methyl tert-butyl ether	**7.1**	**J**	20	3.2	ug/L			10/18/19 13:38	20
Methylcyclohexane	ND		20	3.2	ug/L			10/18/19 13:38	20
Methylene Chloride	ND		20	8.8	ug/L			10/18/19 13:38	20
Styrene	ND		20	15	ug/L			10/18/19 13:38	20
Tetrachloroethene	**14**	**J**	20	7.2	ug/L			10/18/19 13:38	20
Toluene	ND		20	10	ug/L			10/18/19 13:38	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/18/19 13:38	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/18/19 13:38	20
Trichloroethene	**24**		20	9.2	ug/L			10/18/19 13:38	20
Trichlorofluoromethane	ND		20	18	ug/L			10/18/19 13:38	20
Vinyl chloride	ND		20	18	ug/L			10/18/19 13:38	20
Xylenes, Total	ND		40	13	ug/L			10/18/19 13:38	20

Client Sample ID: RW-1

Lab Sample ID: 480-160867-1

Date Collected: 10/11/19 13:02

Matrix: Water

Date Received: 10/12/19 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/18/19 13:38*	*20*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*10/18/19 13:38*	*20*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*10/18/19 13:38*	*20*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/18/19 13:38*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**915**		40.0	17.4	mg/L			10/23/19 13:37	40

Client Sample ID: RW-2

Lab Sample ID: 480-160867-2

Date Collected: 10/11/19 13:04

Matrix: Water

Date Received: 10/12/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/18/19 14:01	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/18/19 14:01	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/18/19 14:01	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/18/19 14:01	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/18/19 14:01	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/18/19 14:01	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/18/19 14:01	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/18/19 14:01	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/18/19 14:01	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/18/19 14:01	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/18/19 14:01	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/18/19 14:01	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/18/19 14:01	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/18/19 14:01	5
2-Hexanone	ND		25	6.2	ug/L			10/18/19 14:01	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/18/19 14:01	5
Acetone	ND		50	15	ug/L			10/18/19 14:01	5
Benzene	ND		5.0	2.1	ug/L			10/18/19 14:01	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/18/19 14:01	5
Bromoform	ND		5.0	1.3	ug/L			10/18/19 14:01	5
Bromomethane	ND		5.0	3.5	ug/L			10/18/19 14:01	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/18/19 14:01	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/18/19 14:01	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/18/19 14:01	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/18/19 14:01	5
Chloroethane	ND		5.0	1.6	ug/L			10/18/19 14:01	5
Chloroform	**2.1**	**J**	5.0	1.7	ug/L			10/18/19 14:01	5
Chloromethane	ND		5.0	1.8	ug/L			10/18/19 14:01	5
cis-1,2-Dichloroethene	**43**		5.0	4.1	ug/L			10/18/19 14:01	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/18/19 14:01	5
Cyclohexane	ND		5.0	0.90	ug/L			10/18/19 14:01	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/18/19 14:01	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/18/19 14:01	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/18/19 14:01	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/18/19 14:01	5
Methyl acetate	ND		13	6.5	ug/L			10/18/19 14:01	5

Client Sample ID: RW-2

Lab Sample ID: 480-160867-2

Date Collected: 10/11/19 13:04

Matrix: Water

Date Received: 10/12/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/18/19 14:01	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/18/19 14:01	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/18/19 14:01	5
Styrene	ND		5.0	3.7	ug/L			10/18/19 14:01	5
Tetrachloroethene	**310**		5.0	1.8	ug/L			10/18/19 14:01	5
Toluene	ND		5.0	2.6	ug/L			10/18/19 14:01	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/18/19 14:01	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/18/19 14:01	5
Trichloroethene	**20**		5.0	2.3	ug/L			10/18/19 14:01	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/18/19 14:01	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/18/19 14:01	5
Xylenes, Total	ND		10	3.3	ug/L			10/18/19 14:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/18/19 14:01*	*5*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*10/18/19 14:01*	*5*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*10/18/19 14:01*	*5*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/18/19 14:01*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**0.84**	**J**	1.0	0.43	mg/L			10/23/19 13:50	1

Client Sample ID: RW-3

Lab Sample ID: 480-160867-3

Date Collected: 10/11/19 13:06

Matrix: Water

Date Received: 10/12/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/21/19 22:17	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/21/19 22:17	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/21/19 22:17	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			10/21/19 22:17	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/21/19 22:17	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/21/19 22:17	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			10/21/19 22:17	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			10/21/19 22:17	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			10/21/19 22:17	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/21/19 22:17	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/21/19 22:17	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			10/21/19 22:17	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			10/21/19 22:17	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/21/19 22:17	4
2-Hexanone	ND		20	5.0	ug/L			10/21/19 22:17	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/21/19 22:17	4
Acetone	ND		40	12	ug/L			10/21/19 22:17	4
Benzene	ND		4.0	1.6	ug/L			10/21/19 22:17	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/21/19 22:17	4
Bromoform	ND		4.0	1.0	ug/L			10/21/19 22:17	4
Bromomethane	ND		4.0	2.8	ug/L			10/21/19 22:17	4

Client Sample ID: RW-3

Date Collected: 10/11/19 13:06
Date Received: 10/12/19 08:00

Lab Sample ID: 480-160867-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			10/21/19 22:17	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/21/19 22:17	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/21/19 22:17	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/21/19 22:17	4
Chloroethane	ND		4.0	1.3	ug/L			10/21/19 22:17	4
Chloroform	ND		4.0	1.4	ug/L			10/21/19 22:17	4
Chloromethane	ND		4.0	1.4	ug/L			10/21/19 22:17	4
cis-1,2-Dichloroethene	**14**		4.0	3.2	ug/L			10/21/19 22:17	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/21/19 22:17	4
Cyclohexane	ND		4.0	0.72	ug/L			10/21/19 22:17	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			10/21/19 22:17	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/21/19 22:17	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			10/21/19 22:17	4
Isopropylbenzene	ND		4.0	3.2	ug/L			10/21/19 22:17	4
Methyl acetate	ND		10	5.2	ug/L			10/21/19 22:17	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			10/21/19 22:17	4
Methylcyclohexane	ND		4.0	0.64	ug/L			10/21/19 22:17	4
Methylene Chloride	**5.9**		4.0	1.8	ug/L			10/21/19 22:17	4
Styrene	ND		4.0	2.9	ug/L			10/21/19 22:17	4
Tetrachloroethene	**190**	**F1**	4.0	1.4	ug/L			10/21/19 22:17	4
Toluene	ND		4.0	2.0	ug/L			10/21/19 22:17	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/21/19 22:17	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/21/19 22:17	4
Trichloroethene	**3.6**	**J**	4.0	1.8	ug/L			10/21/19 22:17	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			10/21/19 22:17	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/21/19 22:17	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/21/19 22:17	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/21/19 22:17*	*4*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/21/19 22:17*	*4*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/21/19 22:17*	*4*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/21/19 22:17*	*4*

Client Sample ID: DUP

Date Collected: 10/11/19 13:08
Date Received: 10/12/19 08:00

Lab Sample ID: 480-160867-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/21/19 14:27	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/21/19 14:27	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/21/19 14:27	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/21/19 14:27	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/21/19 14:27	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/21/19 14:27	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/21/19 14:27	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/21/19 14:27	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/21/19 14:27	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/21/19 14:27	5

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-160867-1

Client Sample ID: DUP

Date Collected: 10/11/19 13:08
Date Received: 10/12/19 08:00

Lab Sample ID: 480-160867-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/21/19 14:27	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/21/19 14:27	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/21/19 14:27	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/21/19 14:27	5
2-Hexanone	ND		25	6.2	ug/L			10/21/19 14:27	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/21/19 14:27	5
Acetone	ND		50	15	ug/L			10/21/19 14:27	5
Benzene	ND		5.0	2.1	ug/L			10/21/19 14:27	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/21/19 14:27	5
Bromoform	ND		5.0	1.3	ug/L			10/21/19 14:27	5
Bromomethane	ND		5.0	3.5	ug/L			10/21/19 14:27	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/21/19 14:27	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/21/19 14:27	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/21/19 14:27	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/21/19 14:27	5
Chloroethane	ND		5.0	1.6	ug/L			10/21/19 14:27	5
Chloroform	ND		5.0	1.7	ug/L			10/21/19 14:27	5
Chloromethane	ND		5.0	1.8	ug/L			10/21/19 14:27	5
cis-1,2-Dichloroethene	**7.4**		5.0	4.1	ug/L			10/21/19 14:27	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/21/19 14:27	5
Cyclohexane	ND		5.0	0.90	ug/L			10/21/19 14:27	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/21/19 14:27	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/21/19 14:27	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/21/19 14:27	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/21/19 14:27	5
Methyl acetate	ND		13	6.5	ug/L			10/21/19 14:27	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/21/19 14:27	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/21/19 14:27	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/21/19 14:27	5
Styrene	ND		5.0	3.7	ug/L			10/21/19 14:27	5
Tetrachloroethene	**210**		5.0	1.8	ug/L			10/21/19 14:27	5
Toluene	ND		5.0	2.6	ug/L			10/21/19 14:27	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/21/19 14:27	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/21/19 14:27	5
Trichloroethene	**3.1**	**J**	5.0	2.3	ug/L			10/21/19 14:27	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/21/19 14:27	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/21/19 14:27	5
Xylenes, Total	ND		10	3.3	ug/L			10/21/19 14:27	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/21/19 14:27*	*5*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/21/19 14:27*	*5*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/21/19 14:27*	*5*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/21/19 14:27*	*5*

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-160867-1

Client Sample ID: EFFLUENT
Date Collected: 10/11/19 13:00
Date Received: 10/12/19 08:00

Lab Sample ID: 480-160867-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/18/19 14:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/18/19 14:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/18/19 14:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/18/19 14:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/18/19 14:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/18/19 14:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/18/19 14:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/18/19 14:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/18/19 14:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/18/19 14:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/18/19 14:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/18/19 14:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/18/19 14:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/18/19 14:47	1
2-Hexanone	ND		5.0	1.2	ug/L			10/18/19 14:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/18/19 14:47	1
Acetone	ND		10	3.0	ug/L			10/18/19 14:47	1
Benzene	ND		1.0	0.41	ug/L			10/18/19 14:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/18/19 14:47	1
Bromoform	ND		1.0	0.26	ug/L			10/18/19 14:47	1
Bromomethane	ND		1.0	0.69	ug/L			10/18/19 14:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/18/19 14:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/18/19 14:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/18/19 14:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/18/19 14:47	1
Chloroethane	ND		1.0	0.32	ug/L			10/18/19 14:47	1
Chloroform	**0.80**	**J**	1.0	0.34	ug/L			10/18/19 14:47	1
Chloromethane	**1.1**		1.0	0.35	ug/L			10/18/19 14:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/18/19 14:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/18/19 14:47	1
Cyclohexane	ND		1.0	0.18	ug/L			10/18/19 14:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/18/19 14:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/18/19 14:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/18/19 14:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/18/19 14:47	1
Methyl acetate	ND		2.5	1.3	ug/L			10/18/19 14:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/18/19 14:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/18/19 14:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/18/19 14:47	1
Styrene	ND		1.0	0.73	ug/L			10/18/19 14:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/18/19 14:47	1
Toluene	ND		1.0	0.51	ug/L			10/18/19 14:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/18/19 14:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/18/19 14:47	1
Trichloroethene	ND		1.0	0.46	ug/L			10/18/19 14:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/18/19 14:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/18/19 14:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/18/19 14:47	1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-160867-5

Date Collected: 10/11/19 13:00

Matrix: Water

Date Received: 10/12/19 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/18/19 14:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*77 - 120*		*10/18/19 14:47*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/18/19 14:47*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*10/18/19 14:47*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-160867-6

Date Collected: 10/11/19 00:00

Matrix: Water

Date Received: 10/12/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/18/19 15:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/18/19 15:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/18/19 15:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/18/19 15:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/18/19 15:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/18/19 15:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/18/19 15:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/18/19 15:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/18/19 15:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/18/19 15:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/18/19 15:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/18/19 15:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/18/19 15:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/18/19 15:11	1
2-Hexanone	ND		5.0	1.2	ug/L			10/18/19 15:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/18/19 15:11	1
Acetone	ND		10	3.0	ug/L			10/18/19 15:11	1
Benzene	ND		1.0	0.41	ug/L			10/18/19 15:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/18/19 15:11	1
Bromoform	ND		1.0	0.26	ug/L			10/18/19 15:11	1
Bromomethane	ND		1.0	0.69	ug/L			10/18/19 15:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/18/19 15:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/18/19 15:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/18/19 15:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/18/19 15:11	1
Chloroethane	ND		1.0	0.32	ug/L			10/18/19 15:11	1
Chloroform	ND		1.0	0.34	ug/L			10/18/19 15:11	1
Chloromethane	ND		1.0	0.35	ug/L			10/18/19 15:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/18/19 15:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/18/19 15:11	1
Cyclohexane	ND		1.0	0.18	ug/L			10/18/19 15:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/18/19 15:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/18/19 15:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/18/19 15:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/18/19 15:11	1
Methyl acetate	ND		2.5	1.3	ug/L			10/18/19 15:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/18/19 15:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/18/19 15:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/18/19 15:11	1

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-160867-1

Client Sample ID: TRIP BLANK
Date Collected: 10/11/19 00:00
Date Received: 10/12/19 08:00

Lab Sample ID: 480-160867-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			10/18/19 15:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/18/19 15:11	1
Toluene	ND		1.0	0.51	ug/L			10/18/19 15:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/18/19 15:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/18/19 15:11	1
Trichloroethene	ND		1.0	0.46	ug/L			10/18/19 15:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/18/19 15:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/18/19 15:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/18/19 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/18/19 15:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*	*X*	*77 - 120*		*10/18/19 15:11*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/18/19 15:11*	*1*
Dibromofluoromethane (Surr)	*117*		*75 - 123*		*10/18/19 15:11*	*1*

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-160867-1

Client Sample ID: RW-1
Date Collected: 10/11/19 13:02
Date Received: 10/12/19 08:00

Lab Sample ID: 480-160867-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	498776	10/18/19 13:38	S1V	TAL BUF
Total/NA	Analysis	SM 5310C		40	499834	10/23/19 13:37	CLA	TAL BUF

Client Sample ID: RW-2
Date Collected: 10/11/19 13:04
Date Received: 10/12/19 08:00

Lab Sample ID: 480-160867-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	498776	10/18/19 14:01	S1V	TAL BUF
Total/NA	Analysis	SM 5310C		1	499834	10/23/19 13:50	CLA	TAL BUF

Client Sample ID: RW-3
Date Collected: 10/11/19 13:06
Date Received: 10/12/19 08:00

Lab Sample ID: 480-160867-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	499252	10/21/19 22:17	AMM	TAL BUF

Client Sample ID: DUP
Date Collected: 10/11/19 13:08
Date Received: 10/12/19 08:00

Lab Sample ID: 480-160867-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	499147	10/21/19 14:27	AMM	TAL BUF

Client Sample ID: EFFLUENT
Date Collected: 10/11/19 13:00
Date Received: 10/12/19 08:00

Lab Sample ID: 480-160867-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	498776	10/18/19 14:47	S1V	TAL BUF

Client Sample ID: TRIP BLANK
Date Collected: 10/11/19 00:00
Date Received: 10/12/19 08:00

Lab Sample ID: 480-160867-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	498776	10/18/19 15:11	S1V	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-160867-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-160867-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-160867-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-160867-1	RW-1	Water	10/11/19 13:02	10/12/19 08:00	
480-160867-2	RW-2	Water	10/11/19 13:04	10/12/19 08:00	
480-160867-3	RW-3	Water	10/11/19 13:06	10/12/19 08:00	
480-160867-4	DUP	Water	10/11/19 13:08	10/12/19 08:00	
480-160867-5	EFFLUENT	Water	10/11/19 13:00	10/12/19 08:00	
480-160867-6	TRIP BLANK	Water	10/11/19 00:00	10/12/19 08:00	

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-160867-1

Login Number: 160867 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Manhardt, Kara M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Eurofins TestAmerica, Buffalo Albany #224
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Frank Zabel	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-133572-30092.1
Client Contact: Jessica Marcy	Phone: 518-2170-0435	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:	Analysis Requested		
City: Ballston Spa	TAT Requested (days):			
State, Zip: NY, 12020				
Phone:	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

480-160867 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Tot	Special Instructions/Note:
			Preservation Code:				A	A	A		
RW-1	10/11/19	1:02	G	Water				X	X		
RW-2	10/11/19	1:04	G	Water				X	X		
RW-3	10/11/19	1:06	G	Water				X			
DUP	10/11/19	1:08	G	Water				X			
Effluent	10/11/19	1:00	G	Water				X			
Trip Blank				Water							
				Water							
FKZ	10/11/19			Water							
				Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Frank Zabel	10/11/19 1430	Aztech	Karl Zaden	10/11/19 1430	Eurofins
Relinquished by: Karl Zaden	Date/Time: 10/11/19 1700	Company Eurofins	Received by: CWallace	Date/Time: 10/12/19 0800	Company TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR(2.9

Ver: 01/16/2019

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ANALYTICAL REPORT

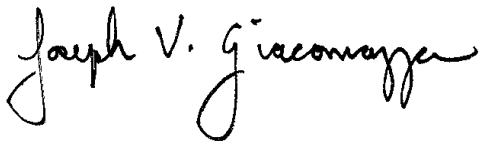
Job Number: 480-162004-1

Job Description: Roxy Cleaners #442024

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, NY 12233-7014

Attention: Jenelle Gaylord



Approved for release.
Joe V Giacomazza
Project Management Assistant II
11/20/2019 3:45 PM

Designee for
Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
judy.stone@testamericainc.com
11/20/2019

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

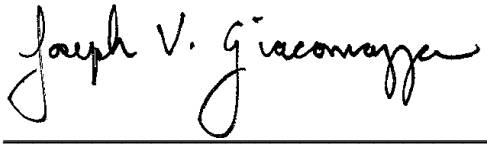
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

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

Job Number: 480-162004-1

Job Description: Roxy Cleaners #442024

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



Approved for release.
Joe V Giacomazza
Project Management Assistant II
11/20/2019 3:45 PM

Designee for
Judy L Stone

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Job Narrative
480-162004-1

Comments
No additional comments.

Receipt
The samples were received on 11/2/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

GC/MS VOA
Method 8260C: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: RW-1 (480-162004-1). Sample pH is 4.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-1 (480-162004-1), RW-2 (480-162004-2) and RW-3 (480-162004-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: EFFLUENT (480-162004-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-503526 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following sample is impacted:DUP (480-162004-4).

Method 8260C: The Laboratory Control Sample (LCS 480-503526/6) associated with analytical batch 503526 was outside laboratory/project quality control limits for the following analyte: Chloromethane. All other spike recoveries and quality control indicators, including sample specific surrogate recoveries, were acceptable. A reporting limit (RL) standard was analyzed, and the target analyte was detected. These analytes were not detected in the associated samples; therefore, the data have been reported. The following sample is impacted: DUP (480-162004-4).

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: DUP (480-162004-4). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Methods SM 5310C, SM 5310D: The following sample needed additional concentrated hydrochloric acid to be introduced in order to meet method requirement of pH greater than two prior to analysis.

RW-1 (480-162004-1)

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

Definitions/Glossary

Client: New York State D.E.C. Job ID: 480-162004-1
Project/Site: Roxy Cleaners #442024

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Sample Summary

Client: New York State D.E.C.
Job ID: 480-162004-1
Project/Site: Roxy Cleaners #442024

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-162004-1	RW-1	Water	11/01/19 13:05	11/02/19 08:00	
480-162004-2	RW-2	Water	11/01/19 13:10	11/02/19 08:00	
480-162004-3	RW-3	Water	11/01/19 13:15	11/02/19 08:00	
480-162004-4	DUP	Water	11/01/19 13:20	11/02/19 08:00	
480-162004-5	EFFLUENT	Water	11/01/19 13:00	11/02/19 08:00	
480-162004-6	TRIP BLANK	Water	11/01/19 00:00	11/02/19 08:00	

Detection Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-162004-1

Client Sample ID: RW-1 — Lab Sample ID: 480-162004-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	490		200	26	ug/L	20		8260C	Total/NA
Acetone	1300		200	60	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	1800		20	16	ug/L	20		8260C	Total/NA
Methyl tert-butyl ether	5.4	J	20	3.2	ug/L	20		8260C	Total/NA
Total Organic Carbon	656		20.0	8.7	mg/L	20		SM 5310C	Total/NA

Client Sample ID: RW-2 — Lab Sample ID: 480-162004-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	39		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	300		5.0	1.8	ug/L	5		8260C	Total/NA
Trichloroethene	20		5.0	2.3	ug/L	5		8260C	Total/NA
Total Organic Carbon	1.1		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: RW-3 — Lab Sample ID: 480-162004-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.8		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	220		4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	2.9	J	4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: DUP — Lab Sample ID: 480-162004-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	71		40	5.3	ug/L	4		8260C	Total/NA
Acetone	260		40	12	ug/L	4		8260C	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-162004-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	45		40	5.3	ug/L	4		8260C	Total/NA
Acetone	170		40	12	ug/L	4		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-162004-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Job ID: 480-162004-1
Project/Site: Roxy Cleaners #442024

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Client Sample ID: RW-1
Lab Sample ID: 480-162004-1

Date Collected: 11/01/19 13:05
Matrix: Water
Date Received: 11/02/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			11/09/19 02:57	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			11/09/19 02:57	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			11/09/19 02:57	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			11/09/19 02:57	20
1,1-Dichloroethane	ND		20	7.6	ug/L			11/09/19 02:57	20
1,1-Dichloroethene	ND		20	5.8	ug/L			11/09/19 02:57	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			11/09/19 02:57	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			11/09/19 02:57	20
1,2-Dichlorobenzene	ND		20	16	ug/L			11/09/19 02:57	20
1,2-Dichloroethane	ND		20	4.2	ug/L			11/09/19 02:57	20
1,2-Dichloropropane	ND		20	14	ug/L			11/09/19 02:57	20
1,3-Dichlorobenzene	ND		20	16	ug/L			11/09/19 02:57	20
1,4-Dichlorobenzene	ND		20	17	ug/L			11/09/19 02:57	20
2-Butanone (MEK)	**490**		200	26	ug/L			11/09/19 02:57	20
2-Hexanone	ND		100	25	ug/L			11/09/19 02:57	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			11/09/19 02:57	20
Acetone	**1300**		200	60	ug/L			11/09/19 02:57	20
Benzene	ND		20	8.2	ug/L			11/09/19 02:57	20
Bromodichloromethane	ND		20	7.8	ug/L			11/09/19 02:57	20
Bromoform	ND		20	5.2	ug/L			11/09/19 02:57	20
Bromomethane	ND		20	14	ug/L			11/09/19 02:57	20
Carbon disulfide	ND		20	3.8	ug/L			11/09/19 02:57	20
Carbon tetrachloride	ND		20	5.4	ug/L			11/09/19 02:57	20
Chlorobenzene	ND		20	15	ug/L			11/09/19 02:57	20
Dibromochloromethane	ND		20	6.4	ug/L			11/09/19 02:57	20
Chloroethane	ND		20	6.4	ug/L			11/09/19 02:57	20
Chloroform	ND		20	6.8	ug/L			11/09/19 02:57	20
Chloromethane	ND		20	7.0	ug/L			11/09/19 02:57	20
cis-1,2-Dichloroethene	**1800**		20	16	ug/L			11/09/19 02:57	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			11/09/19 02:57	20
Cyclohexane	ND		20	3.6	ug/L			11/09/19 02:57	20
Dichlorodifluoromethane	ND		20	14	ug/L			11/09/19 02:57	20
Ethylbenzene	ND		20	15	ug/L			11/09/19 02:57	20
1,2-Dibromoethane	ND		20	15	ug/L			11/09/19 02:57	20
Isopropylbenzene	ND		20	16	ug/L			11/09/19 02:57	20
Methyl acetate	ND		50	26	ug/L			11/09/19 02:57	20
Methyl tert-butyl ether	**5.4**	**J**	20	3.2	ug/L			11/09/19 02:57	20
Methylcyclohexane	ND		20	3.2	ug/L			11/09/19 02:57	20
Methylene Chloride	ND		20	8.8	ug/L			11/09/19 02:57	20
Styrene	ND		20	15	ug/L			11/09/19 02:57	20
Tetrachloroethene	ND		20	7.2	ug/L			11/09/19 02:57	20
Toluene	ND		20	10	ug/L			11/09/19 02:57	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			11/09/19 02:57	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			11/09/19 02:57	20
Trichloroethene	ND		20	9.2	ug/L			11/09/19 02:57	20
Trichlorofluoromethane	ND		20	18	ug/L			11/09/19 02:57	20
Vinyl chloride	ND		20	18	ug/L			11/09/19 02:57	20
Xylenes, Total	ND		40	13	ug/L			11/09/19 02:57	20

Client Sample ID: RW-1
Lab Sample ID: 480-162004-1

Date Collected: 11/01/19 13:05
Matrix: Water
Date Received: 11/02/19 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/09/19 02:57*	*20*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*11/09/19 02:57*	*20*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/09/19 02:57*	*20*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/09/19 02:57*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**656**		20.0	8.7	mg/L			11/07/19 22:30	20

Client Sample ID: RW-2
Lab Sample ID: 480-162004-2

Date Collected: 11/01/19 13:10
Matrix: Water
Date Received: 11/02/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			11/09/19 03:21	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			11/09/19 03:21	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			11/09/19 03:21	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			11/09/19 03:21	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			11/09/19 03:21	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			11/09/19 03:21	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			11/09/19 03:21	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			11/09/19 03:21	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			11/09/19 03:21	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			11/09/19 03:21	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			11/09/19 03:21	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			11/09/19 03:21	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			11/09/19 03:21	5
2-Butanone (MEK)	ND		50	6.6	ug/L			11/09/19 03:21	5
2-Hexanone	ND		25	6.2	ug/L			11/09/19 03:21	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			11/09/19 03:21	5
Acetone	ND		50	15	ug/L			11/09/19 03:21	5
Benzene	ND		5.0	2.1	ug/L			11/09/19 03:21	5
Bromodichloromethane	ND		5.0	2.0	ug/L			11/09/19 03:21	5
Bromoform	ND		5.0	1.3	ug/L			11/09/19 03:21	5
Bromomethane	ND		5.0	3.5	ug/L			11/09/19 03:21	5
Carbon disulfide	ND		5.0	0.95	ug/L			11/09/19 03:21	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			11/09/19 03:21	5
Chlorobenzene	ND		5.0	3.8	ug/L			11/09/19 03:21	5
Dibromochloromethane	ND		5.0	1.6	ug/L			11/09/19 03:21	5
Chloroethane	ND		5.0	1.6	ug/L			11/09/19 03:21	5
Chloroform	ND		5.0	1.7	ug/L			11/09/19 03:21	5
Chloromethane	ND		5.0	1.8	ug/L			11/09/19 03:21	5
cis-1,2-Dichloroethene	**39**		5.0	4.1	ug/L			11/09/19 03:21	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			11/09/19 03:21	5
Cyclohexane	ND		5.0	0.90	ug/L			11/09/19 03:21	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			11/09/19 03:21	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/09/19 03:21	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			11/09/19 03:21	5
Isopropylbenzene	ND		5.0	4.0	ug/L			11/09/19 03:21	5
Methyl acetate	ND		13	6.5	ug/L			11/09/19 03:21	5

Client Sample ID: RW-2
Lab Sample ID: 480-162004-2
Date Collected: 11/01/19 13:10
Matrix: Water
Date Received: 11/02/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			11/09/19 03:21	5
Methylcyclohexane	ND		5.0	0.80	ug/L			11/09/19 03:21	5
Methylene Chloride	ND		5.0	2.2	ug/L			11/09/19 03:21	5
Styrene	ND		5.0	3.7	ug/L			11/09/19 03:21	5
Tetrachloroethene	**300**		5.0	1.8	ug/L			11/09/19 03:21	5
Toluene	ND		5.0	2.6	ug/L			11/09/19 03:21	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			11/09/19 03:21	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			11/09/19 03:21	5
Trichloroethene	**20**		5.0	2.3	ug/L			11/09/19 03:21	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			11/09/19 03:21	5
Vinyl chloride	ND		5.0	4.5	ug/L			11/09/19 03:21	5
Xylenes, Total	ND		10	3.3	ug/L			11/09/19 03:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/09/19 03:21*	*5*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*11/09/19 03:21*	*5*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/09/19 03:21*	*5*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*11/09/19 03:21*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.1**		1.0	0.43	mg/L			11/07/19 22:43	1

Client Sample ID: RW-3
Lab Sample ID: 480-162004-3
Date Collected: 11/01/19 13:15
Matrix: Water
Date Received: 11/02/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			11/09/19 03:44	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/09/19 03:44	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/09/19 03:44	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			11/09/19 03:44	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			11/09/19 03:44	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			11/09/19 03:44	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			11/09/19 03:44	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			11/09/19 03:44	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			11/09/19 03:44	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/09/19 03:44	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/09/19 03:44	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			11/09/19 03:44	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			11/09/19 03:44	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/09/19 03:44	4
2-Hexanone	ND		20	5.0	ug/L			11/09/19 03:44	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/09/19 03:44	4
Acetone	ND		40	12	ug/L			11/09/19 03:44	4
Benzene	ND		4.0	1.6	ug/L			11/09/19 03:44	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/09/19 03:44	4
Bromoform	ND		4.0	1.0	ug/L			11/09/19 03:44	4
Bromomethane	ND		4.0	2.8	ug/L			11/09/19 03:44	4

Client Sample ID: RW-3
Lab Sample ID: 480-162004-3
Date Collected: 11/01/19 13:15
Matrix: Water
Date Received: 11/02/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			11/09/19 03:44	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/09/19 03:44	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/09/19 03:44	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/09/19 03:44	4
Chloroethane	ND		4.0	1.3	ug/L			11/09/19 03:44	4
Chloroform	ND		4.0	1.4	ug/L			11/09/19 03:44	4
Chloromethane	ND		4.0	1.4	ug/L			11/09/19 03:44	4
cis-1,2-Dichloroethene	**6.8**		4.0	3.2	ug/L			11/09/19 03:44	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/09/19 03:44	4
Cyclohexane	ND		4.0	0.72	ug/L			11/09/19 03:44	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			11/09/19 03:44	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/09/19 03:44	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			11/09/19 03:44	4
Isopropylbenzene	ND		4.0	3.2	ug/L			11/09/19 03:44	4
Methyl acetate	ND		10	5.2	ug/L			11/09/19 03:44	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			11/09/19 03:44	4
Methylcyclohexane	ND		4.0	0.64	ug/L			11/09/19 03:44	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/09/19 03:44	4
Styrene	ND		4.0	2.9	ug/L			11/09/19 03:44	4
Tetrachloroethene	**220**		4.0	1.4	ug/L			11/09/19 03:44	4
Toluene	ND		4.0	2.0	ug/L			11/09/19 03:44	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/09/19 03:44	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/09/19 03:44	4
Trichloroethene	**2.9**	**J**	4.0	1.8	ug/L			11/09/19 03:44	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			11/09/19 03:44	4
Vinyl chloride	ND		4.0	3.6	ug/L			11/09/19 03:44	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/09/19 03:44	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/09/19 03:44*	*4*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/09/19 03:44*	*4*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/09/19 03:44*	*4*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*11/09/19 03:44*	*4*

Client Sample ID: DUP
Lab Sample ID: 480-162004-4
Date Collected: 11/01/19 13:20
Matrix: Water
Date Received: 11/02/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			11/10/19 19:54	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/10/19 19:54	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/10/19 19:54	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			11/10/19 19:54	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			11/10/19 19:54	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			11/10/19 19:54	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			11/10/19 19:54	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			11/10/19 19:54	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			11/10/19 19:54	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/10/19 19:54	4

Client Sample ID: DUP
Lab Sample ID: 480-162004-4

Date Collected: 11/01/19 13:20
Matrix: Water

Date Received: 11/02/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/10/19 19:54	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			11/10/19 19:54	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			11/10/19 19:54	4
2-Butanone (MEK)	**71**		40	5.3	ug/L			11/10/19 19:54	4
2-Hexanone	ND		20	5.0	ug/L			11/10/19 19:54	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/10/19 19:54	4
Acetone	**260**		40	12	ug/L			11/10/19 19:54	4
Benzene	ND		4.0	1.6	ug/L			11/10/19 19:54	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/10/19 19:54	4
Bromoform	ND		4.0	1.0	ug/L			11/10/19 19:54	4
Bromomethane	ND		4.0	2.8	ug/L			11/10/19 19:54	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/10/19 19:54	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/10/19 19:54	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/10/19 19:54	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/10/19 19:54	4
Chloroethane	ND		4.0	1.3	ug/L			11/10/19 19:54	4
Chloroform	ND		4.0	1.4	ug/L			11/10/19 19:54	4
Chloromethane	ND	*	4.0	1.4	ug/L			11/10/19 19:54	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			11/10/19 19:54	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/10/19 19:54	4
Cyclohexane	ND		4.0	0.72	ug/L			11/10/19 19:54	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			11/10/19 19:54	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/10/19 19:54	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			11/10/19 19:54	4
Isopropylbenzene	ND		4.0	3.2	ug/L			11/10/19 19:54	4
Methyl acetate	ND		10	5.2	ug/L			11/10/19 19:54	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			11/10/19 19:54	4
Methylcyclohexane	ND		4.0	0.64	ug/L			11/10/19 19:54	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/10/19 19:54	4
Styrene	ND		4.0	2.9	ug/L			11/10/19 19:54	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/10/19 19:54	4
Toluene	ND		4.0	2.0	ug/L			11/10/19 19:54	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/10/19 19:54	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/10/19 19:54	4
Trichloroethene	ND		4.0	1.8	ug/L			11/10/19 19:54	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			11/10/19 19:54	4
Vinyl chloride	ND		4.0	3.6	ug/L			11/10/19 19:54	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/10/19 19:54	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*80 - 120*		*11/10/19 19:54*	*4*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/10/19 19:54*	*4*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/10/19 19:54*	*4*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*11/10/19 19:54*	*4*

Client Sample ID: EFFLUENT
Lab Sample ID: 480-162004-5

Date Collected: 11/01/19 13:00
Matrix: Water
Date Received: 11/02/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			11/09/19 04:32	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/09/19 04:32	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/09/19 04:32	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			11/09/19 04:32	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			11/09/19 04:32	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			11/09/19 04:32	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			11/09/19 04:32	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			11/09/19 04:32	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			11/09/19 04:32	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/09/19 04:32	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/09/19 04:32	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			11/09/19 04:32	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			11/09/19 04:32	4
2-Butanone (MEK)	**45**		40	5.3	ug/L			11/09/19 04:32	4
2-Hexanone	ND		20	5.0	ug/L			11/09/19 04:32	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/09/19 04:32	4
Acetone	**170**		40	12	ug/L			11/09/19 04:32	4
Benzene	ND		4.0	1.6	ug/L			11/09/19 04:32	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/09/19 04:32	4
Bromoform	ND		4.0	1.0	ug/L			11/09/19 04:32	4
Bromomethane	ND		4.0	2.8	ug/L			11/09/19 04:32	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/09/19 04:32	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/09/19 04:32	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/09/19 04:32	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/09/19 04:32	4
Chloroethane	ND		4.0	1.3	ug/L			11/09/19 04:32	4
Chloroform	ND		4.0	1.4	ug/L			11/09/19 04:32	4
Chloromethane	ND		4.0	1.4	ug/L			11/09/19 04:32	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			11/09/19 04:32	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/09/19 04:32	4
Cyclohexane	ND		4.0	0.72	ug/L			11/09/19 04:32	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			11/09/19 04:32	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/09/19 04:32	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			11/09/19 04:32	4
Isopropylbenzene	ND		4.0	3.2	ug/L			11/09/19 04:32	4
Methyl acetate	ND		10	5.2	ug/L			11/09/19 04:32	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			11/09/19 04:32	4
Methylcyclohexane	ND		4.0	0.64	ug/L			11/09/19 04:32	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/09/19 04:32	4
Styrene	ND		4.0	2.9	ug/L			11/09/19 04:32	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/09/19 04:32	4
Toluene	ND		4.0	2.0	ug/L			11/09/19 04:32	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/09/19 04:32	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/09/19 04:32	4
Trichloroethene	ND		4.0	1.8	ug/L			11/09/19 04:32	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			11/09/19 04:32	4
Vinyl chloride	ND		4.0	3.6	ug/L			11/09/19 04:32	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/09/19 04:32	4

Client Sample ID: EFFLUENT
Lab Sample ID: 480-162004-5

Date Collected: 11/01/19 13:00
Matrix: Water
Date Received: 11/02/19 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/09/19 04:32*	*4*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*11/09/19 04:32*	*4*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/09/19 04:32*	*4*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/09/19 04:32*	*4*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-162004-6

Date Collected: 11/01/19 00:00
Matrix: Water
Date Received: 11/02/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/09/19 04:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/19 04:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/09/19 04:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/09/19 04:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/09/19 04:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/09/19 04:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/09/19 04:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/09/19 04:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/09/19 04:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/09/19 04:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/09/19 04:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/09/19 04:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/09/19 04:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/09/19 04:55	1
2-Hexanone	ND		5.0	1.2	ug/L			11/09/19 04:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/09/19 04:55	1
Acetone	ND		10	3.0	ug/L			11/09/19 04:55	1
Benzene	ND		1.0	0.41	ug/L			11/09/19 04:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/09/19 04:55	1
Bromoform	ND		1.0	0.26	ug/L			11/09/19 04:55	1
Bromomethane	ND		1.0	0.69	ug/L			11/09/19 04:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/09/19 04:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/09/19 04:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/09/19 04:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/09/19 04:55	1
Chloroethane	ND		1.0	0.32	ug/L			11/09/19 04:55	1
Chloroform	ND		1.0	0.34	ug/L			11/09/19 04:55	1
Chloromethane	ND		1.0	0.35	ug/L			11/09/19 04:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/09/19 04:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/09/19 04:55	1
Cyclohexane	ND		1.0	0.18	ug/L			11/09/19 04:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/09/19 04:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/09/19 04:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/09/19 04:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/09/19 04:55	1
Methyl acetate	ND		2.5	1.3	ug/L			11/09/19 04:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/09/19 04:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/09/19 04:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/09/19 04:55	1

Client: New York State D.E.C.
Job ID: 480-162004-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-162004-6
Date Collected: 11/01/19 00:00
Matrix: Water
Date Received: 11/02/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			11/09/19 04:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/09/19 04:55	1
Toluene	ND		1.0	0.51	ug/L			11/09/19 04:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/09/19 04:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/09/19 04:55	1
Trichloroethene	ND		1.0	0.46	ug/L			11/09/19 04:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/09/19 04:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/09/19 04:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/09/19 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*80 - 120*		*11/09/19 04:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/09/19 04:55*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/09/19 04:55*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*11/09/19 04:55*	*1*

Surrogate Summary

Client: New York State D.E.C.
Job ID: 480-162004-1
Project/Site: Roxy Cleaners #442024

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-162004-1	RW-1	106	97	103	103
480-162004-2	RW-2	106	96	103	101
480-162004-3	RW-3	102	98	105	102
480-162004-4	DUP	107	103	105	106
480-162004-5	EFFLUENT	106	99	103	103
480-162004-6	TRIP BLANK	107	100	105	105
LCS 480-503264/6	Lab Control Sample	103	96	108	101
LCS 480-503526/6	Lab Control Sample	102	96	103	101
MB 480-503264/8	Method Blank	105	99	106	104
MB 480-503526/9	Method Blank	107	100	106	105

Surrogate Legend

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

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

Lab Sample ID: MB 480-503264/8
Matrix: Water
Analysis Batch: 503264

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/09/19 01:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/19 01:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/09/19 01:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/09/19 01:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/09/19 01:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/09/19 01:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/09/19 01:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/09/19 01:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/09/19 01:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/09/19 01:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/09/19 01:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/09/19 01:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/09/19 01:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/09/19 01:46	1
2-Hexanone	ND		5.0	1.2	ug/L			11/09/19 01:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/09/19 01:46	1
Acetone	ND		10	3.0	ug/L			11/09/19 01:46	1
Benzene	ND		1.0	0.41	ug/L			11/09/19 01:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/09/19 01:46	1
Bromoform	ND		1.0	0.26	ug/L			11/09/19 01:46	1
Bromomethane	ND		1.0	0.69	ug/L			11/09/19 01:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/09/19 01:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/09/19 01:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/09/19 01:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/09/19 01:46	1
Chloroethane	ND		1.0	0.32	ug/L			11/09/19 01:46	1
Chloroform	ND		1.0	0.34	ug/L			11/09/19 01:46	1
Chloromethane	ND		1.0	0.35	ug/L			11/09/19 01:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/09/19 01:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/09/19 01:46	1
Cyclohexane	ND		1.0	0.18	ug/L			11/09/19 01:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/09/19 01:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/09/19 01:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/09/19 01:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/09/19 01:46	1
Methyl acetate	ND		2.5	1.3	ug/L			11/09/19 01:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/09/19 01:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/09/19 01:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/09/19 01:46	1
Styrene	ND		1.0	0.73	ug/L			11/09/19 01:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/09/19 01:46	1
Toluene	ND		1.0	0.51	ug/L			11/09/19 01:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/09/19 01:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/09/19 01:46	1
Trichloroethene	ND		1.0	0.46	ug/L			11/09/19 01:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/09/19 01:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/09/19 01:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/09/19 01:46	1

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

Lab Sample ID: MB 480-503264/8
Matrix: Water
Analysis Batch: 503264

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		11/09/19 01:46	1
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		11/09/19 01:46	1
4-Bromofluorobenzene (Surr)	106		73 - 120		11/09/19 01:46	1
Dibromofluoromethane (Surr)	104		75 - 123		11/09/19 01:46	1

Lab Sample ID: LCS 480-503264/6
Matrix: Water
Analysis Batch: 503264

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.2		ug/L		97	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	76 - 120
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.8		ug/L		95	61 - 148
1,1-Dichloroethane	25.0	22.6		ug/L		91	77 - 120
1,1-Dichloroethene	25.0	25.0		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.5		ug/L		98	56 - 134
1,2-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	21.4		ug/L		86	75 - 120
1,2-Dichloropropane	25.0	22.3		ug/L		89	76 - 120
1,3-Dichlorobenzene	25.0	23.1		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Butanone (MEK)	125	113		ug/L		90	57 - 140
2-Hexanone	125	114		ug/L		91	65 - 127
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Acetone	125	109		ug/L		87	56 - 142
Benzene	25.0	23.3		ug/L		93	71 - 124
Bromodichloromethane	25.0	24.4		ug/L		98	80 - 122
Bromoform	25.0	30.8		ug/L		123	61 - 132
Bromomethane	25.0	25.7		ug/L		103	55 - 144
Carbon disulfide	25.0	24.2		ug/L		97	59 - 134
Carbon tetrachloride	25.0	26.2		ug/L		105	72 - 134
Chlorobenzene	25.0	24.4		ug/L		97	80 - 120
Dibromochloromethane	25.0	26.8		ug/L		107	75 - 125
Chloroethane	25.0	24.2		ug/L		97	69 - 136
Chloroform	25.0	24.8		ug/L		99	73 - 127
Chloromethane	25.0	19.1		ug/L		76	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	24.9		ug/L		100	74 - 124
Cyclohexane	25.0	21.6		ug/L		86	59 - 135
Dichlorodifluoromethane	25.0	27.5		ug/L		110	59 - 135
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
1,2-Dibromoethane	25.0	25.4		ug/L		102	77 - 120
Isopropylbenzene	25.0	25.7		ug/L		103	77 - 122
Methyl acetate	50.0	40.7		ug/L		81	74 - 133
Methyl tert-butyl ether	25.0	25.8		ug/L		103	77 - 120
Methylcyclohexane	25.0	25.2		ug/L		101	68 - 134

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

Lab Sample ID: LCS 480-503264/6
Matrix: Water
Analysis Batch: 503264

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	25.8		ug/L		103	75 - 124
Styrene	25.0	25.1		ug/L		100	80 - 120
Tetrachloroethene	25.0	26.2		ug/L		105	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	25.7		ug/L		103	80 - 120
Trichloroethene	25.0	24.3		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	24.7		ug/L		99	62 - 150
Vinyl chloride	25.0	23.8		ug/L		95	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: MB 480-503526/9
Matrix: Water
Analysis Batch: 503526

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/10/19 12:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/10/19 12:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/10/19 12:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/10/19 12:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/10/19 12:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/10/19 12:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/10/19 12:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/10/19 12:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/10/19 12:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/10/19 12:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/10/19 12:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/10/19 12:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/10/19 12:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/10/19 12:35	1
2-Hexanone	ND		5.0	1.2	ug/L			11/10/19 12:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/10/19 12:35	1
Acetone	ND		10	3.0	ug/L			11/10/19 12:35	1
Benzene	ND		1.0	0.41	ug/L			11/10/19 12:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/10/19 12:35	1
Bromoform	ND		1.0	0.26	ug/L			11/10/19 12:35	1
Bromomethane	ND		1.0	0.69	ug/L			11/10/19 12:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/10/19 12:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/10/19 12:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/10/19 12:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/10/19 12:35	1
Chloroethane	ND		1.0	0.32	ug/L			11/10/19 12:35	1
Chloroform	ND		1.0	0.34	ug/L			11/10/19 12:35	1

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

Lab Sample ID: MB 480-503526/9
Matrix: Water
Analysis Batch: 503526

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			11/10/19 12:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/10/19 12:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/10/19 12:35	1
Cyclohexane	ND		1.0	0.18	ug/L			11/10/19 12:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/10/19 12:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/10/19 12:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/10/19 12:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/10/19 12:35	1
Methyl acetate	ND		2.5	1.3	ug/L			11/10/19 12:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/10/19 12:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/10/19 12:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/10/19 12:35	1
Styrene	ND		1.0	0.73	ug/L			11/10/19 12:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/10/19 12:35	1
Toluene	ND		1.0	0.51	ug/L			11/10/19 12:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/10/19 12:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/10/19 12:35	1
Trichloroethene	ND		1.0	0.46	ug/L			11/10/19 12:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/10/19 12:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/10/19 12:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/10/19 12:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*80 - 120*		*11/10/19 12:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/10/19 12:35*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/10/19 12:35*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*11/10/19 12:35*	*1*

Lab Sample ID: LCS 480-503526/6
Matrix: Water
Analysis Batch: 503526

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.2		ug/L		93	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloroethane	25.0	23.9		ug/L		95	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.3		ug/L		85	61 - 148
1,1-Dichloroethane	25.0	20.9		ug/L		84	77 - 120
1,1-Dichloroethene	25.0	21.0		ug/L		84	66 - 127
1,2,4-Trichlorobenzene	25.0	24.8		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.1		ug/L		96	56 - 134
1,2-Dichlorobenzene	25.0	23.6		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	21.7		ug/L		87	75 - 120
1,2-Dichloropropane	25.0	21.9		ug/L		88	76 - 120
1,3-Dichlorobenzene	25.0	22.9		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Butanone (MEK)	125	119		ug/L		95	57 - 140
2-Hexanone	125	108		ug/L		86	65 - 127

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

Lab Sample ID: LCS 480-503526/6
Matrix: Water
Analysis Batch: 503526

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	125	104		ug/L		83	71 - 125
Acetone	125	125		ug/L		100	56 - 142
Benzene	25.0	22.1		ug/L		89	71 - 124
Bromodichloromethane	25.0	25.1		ug/L		100	80 - 122
Bromoform	25.0	29.4		ug/L		118	61 - 132
Bromomethane	25.0	19.2		ug/L		77	55 - 144
Carbon disulfide	25.0	19.6		ug/L		79	59 - 134
Carbon tetrachloride	25.0	25.5		ug/L		102	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120
Dibromochloromethane	25.0	27.5		ug/L		110	75 - 125
Chloroethane	25.0	19.5		ug/L		78	69 - 136
Chloroform	25.0	23.8		ug/L		95	73 - 127
Chloromethane	25.0	14.9	*	ug/L		60	68 - 124
cis-1,2-Dichloroethene	25.0	22.7		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	26.1		ug/L		104	74 - 124
Cyclohexane	25.0	20.0		ug/L		80	59 - 135
Dichlorodifluoromethane	25.0	18.4		ug/L		74	59 - 135
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
1,2-Dibromoethane	25.0	25.1		ug/L		101	77 - 120
Isopropylbenzene	25.0	25.4		ug/L		102	77 - 122
Methyl acetate	50.0	39.4		ug/L		79	74 - 133
Methyl tert-butyl ether	25.0	23.8		ug/L		95	77 - 120
Methylcyclohexane	25.0	23.4		ug/L		94	68 - 134
Methylene Chloride	25.0	23.6		ug/L		94	75 - 124
Styrene	25.0	23.8		ug/L		95	80 - 120
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	21.3		ug/L		85	73 - 127
trans-1,3-Dichloropropene	25.0	26.6		ug/L		107	80 - 120
Trichloroethene	25.0	23.5		ug/L		94	74 - 123
Trichlorofluoromethane	25.0	22.3		ug/L		89	62 - 150
Vinyl chloride	25.0	18.8		ug/L		75	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Method: SM 5310C - TOC

Lab Sample ID: MB 480-503249/4
Matrix: Water
Analysis Batch: 503249

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			11/07/19 19:03	1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: LCS 480-503249/5
Matrix: Water
Analysis Batch: 503249

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			60.0	60.40		mg/L		101	90 - 110		

QC Association Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-162004-1

GC/MS VOA

Analysis Batch: 503264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-162004-1	RW-1	Total/NA	Water	8260C	
480-162004-2	RW-2	Total/NA	Water	8260C	
480-162004-3	RW-3	Total/NA	Water	8260C	
480-162004-5	EFFLUENT	Total/NA	Water	8260C	
480-162004-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-503264/8	Method Blank	Total/NA	Water	8260C	
LCS 480-503264/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 503526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-162004-4	DUP	Total/NA	Water	8260C	
MB 480-503526/9	Method Blank	Total/NA	Water	8260C	
LCS 480-503526/6	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 503249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-162004-1	RW-1	Total/NA	Water	SM 5310C	
480-162004-2	RW-2	Total/NA	Water	SM 5310C	
MB 480-503249/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-503249/5	Lab Control Sample	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-162004-1

Client Sample ID: RW-1
Lab Sample ID: 480-162004-1
Date Collected: 11/01/19 13:05
Matrix: Water
Date Received: 11/02/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	503264	11/09/19 02:57	OMI	TAL BUF
Total/NA	Analysis	SM 5310C		20	503249	11/07/19 22:30	CLA	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-162004-2
Date Collected: 11/01/19 13:10
Matrix: Water
Date Received: 11/02/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	503264	11/09/19 03:21	OMI	TAL BUF
Total/NA	Analysis	SM 5310C		1	503249	11/07/19 22:43	CLA	TAL BUF

Client Sample ID: RW-3
Lab Sample ID: 480-162004-3
Date Collected: 11/01/19 13:15
Matrix: Water
Date Received: 11/02/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	503264	11/09/19 03:44	OMI	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-162004-4
Date Collected: 11/01/19 13:20
Matrix: Water
Date Received: 11/02/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	503526	11/10/19 19:54	LCH	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-162004-5
Date Collected: 11/01/19 13:00
Matrix: Water
Date Received: 11/02/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	503264	11/09/19 04:32	OMI	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-162004-6
Date Collected: 11/01/19 00:00
Matrix: Water
Date Received: 11/02/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	503264	11/09/19 04:55	OMI	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-162004-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler:	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-133573-30092.1
Client Contact: Jessica Marcy	Phone:	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:

Address: 5 McCrea Hill Road	Due Date Requested:	
City: Ballston Spa	TAT Requested (days): Normal	
State, Zip: NY, 12020		
Phone:	PO #: Call Out 137243	
Email: jmarcy@aztechenv.com	WO #:	
Project Name: Roxy Cleaners #442024	Project #: 48020662	
Site:	SSOW#:	

Analysis Requested

480-162004 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	A		
RW-1	11/1/19	1:05	G	Water			X		X		
RW-2	11/1/19	1:10	G	Water			X		X		
RW-3	11/1/19	1:15	G	Water			X				
DUP	11/1/19	1:20	G	Water			X				
Effluent	11/1/19	1:00	G	Water			X				
Trip Blank	11/1/19		G	Water				X			
				Water							
				Water							
				Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Frank Gabel	11/1/19 1410	Aztech	Kal Zoder	11-1-19 1410	Eurofins
Relinquished by: Kal Zoder	Date/Time:	Company	Received by: Cwallace	11/2/19 0800	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	#1 | 2.6

Ver: 01/16/2019

11/20/2019

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-162004-1

Login Number: 162004 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Manhardt, Kara M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-163862-1
Client Project/Site: Roxy Cleaners #442024

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Jenelle Gaylord

Joseph V. Giacomazza

Authorized for release by:
1/9/2020 11:18:15 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

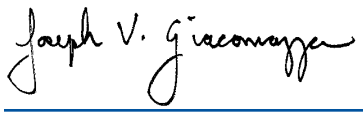
Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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



Joe Giacomazza
Project Management Assistant II
1/9/2020 11:18:15 AM

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-163862-1
Project/Site: Roxy Cleaners #442024

Qualifiers

GC/MS VOA

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

Glossary

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

Job ID: 480-163862-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-163862-1

Comments
No additional comments.

Receipt
The samples were received on 12/7/2019 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW- 2 (480-163862-2) and RW- 3 (480-163862-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: RW-1 (480-163862-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: RW- 1 (480-163862-1). Sample pH is 3.

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

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

Client: New York State D.E.C.
Job ID: 480-163862-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW- 1
Lab Sample ID: 480-163862-1
Date Collected: 12/06/19 10:10
Matrix: Water
Date Received: 12/07/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			12/12/19 00:13	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/12/19 00:13	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/12/19 00:13	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			12/12/19 00:13	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/12/19 00:13	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/12/19 00:13	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			12/12/19 00:13	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			12/12/19 00:13	20
1,2-Dichlorobenzene	ND		20	16	ug/L			12/12/19 00:13	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/12/19 00:13	20
1,2-Dichloropropane	ND		20	14	ug/L			12/12/19 00:13	20
1,3-Dichlorobenzene	ND		20	16	ug/L			12/12/19 00:13	20
1,4-Dichlorobenzene	ND		20	17	ug/L			12/12/19 00:13	20
2-Butanone (MEK)	**330**		200	26	ug/L			12/12/19 00:13	20
2-Hexanone	ND		100	25	ug/L			12/12/19 00:13	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/12/19 00:13	20
Acetone	**610**		200	60	ug/L			12/12/19 00:13	20
Benzene	ND		20	8.2	ug/L			12/12/19 00:13	20
Bromodichloromethane	ND		20	7.8	ug/L			12/12/19 00:13	20
Bromoform	ND		20	5.2	ug/L			12/12/19 00:13	20
Bromomethane	ND		20	14	ug/L			12/12/19 00:13	20
Carbon disulfide	ND		20	3.8	ug/L			12/12/19 00:13	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/12/19 00:13	20
Chlorobenzene	ND		20	15	ug/L			12/12/19 00:13	20
Dibromochloromethane	ND		20	6.4	ug/L			12/12/19 00:13	20
Chloroethane	ND		20	6.4	ug/L			12/12/19 00:13	20
Chloroform	ND		20	6.8	ug/L			12/12/19 00:13	20
Chloromethane	ND		20	7.0	ug/L			12/12/19 00:13	20
cis-1,2-Dichloroethene	**300**		20	16	ug/L			12/12/19 00:13	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/12/19 00:13	20
Cyclohexane	ND		20	3.6	ug/L			12/12/19 00:13	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/12/19 00:13	20
Ethylbenzene	ND		20	15	ug/L			12/12/19 00:13	20
1,2-Dibromoethane	ND		20	15	ug/L			12/12/19 00:13	20
Isopropylbenzene	ND		20	16	ug/L			12/12/19 00:13	20
Methyl acetate	ND		50	26	ug/L			12/12/19 00:13	20
Methyl tert-butyl ether	**5.2**	**J**	20	3.2	ug/L			12/12/19 00:13	20
Methylcyclohexane	ND		20	3.2	ug/L			12/12/19 00:13	20
Methylene Chloride	ND		20	8.8	ug/L			12/12/19 00:13	20
Styrene	ND		20	15	ug/L			12/12/19 00:13	20
Tetrachloroethene	ND		20	7.2	ug/L			12/12/19 00:13	20
Toluene	ND		20	10	ug/L			12/12/19 00:13	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/12/19 00:13	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/12/19 00:13	20
Trichloroethene	ND		20	9.2	ug/L			12/12/19 00:13	20
Trichlorofluoromethane	ND		20	18	ug/L			12/12/19 00:13	20
Vinyl chloride	**43**		20	18	ug/L			12/12/19 00:13	20
Xylenes, Total	ND		40	13	ug/L			12/12/19 00:13	20

Client: New York State D.E.C.
Job ID: 480-163862-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW- 1
Lab Sample ID: 480-163862-1
Date Collected: 12/06/19 10:10
Matrix: Water
Date Received: 12/07/19 09:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/12/19 00:13*	*20*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*12/12/19 00:13*	*20*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/12/19 00:13*	*20*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/12/19 00:13*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**666**		20.0	8.7	mg/L			12/19/19 00:10	20

Client Sample ID: RW- 2
Lab Sample ID: 480-163862-2
Date Collected: 12/06/19 10:15
Matrix: Water
Date Received: 12/07/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/12/19 00:37	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/12/19 00:37	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/12/19 00:37	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/12/19 00:37	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/12/19 00:37	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/12/19 00:37	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/12/19 00:37	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/12/19 00:37	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/12/19 00:37	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/12/19 00:37	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/12/19 00:37	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/12/19 00:37	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/12/19 00:37	5
2-Butanone (MEK)	**7.6**	**J**	50	6.6	ug/L			12/12/19 00:37	5
2-Hexanone	ND		25	6.2	ug/L			12/12/19 00:37	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/12/19 00:37	5
Acetone	**18**	**J**	50	15	ug/L			12/12/19 00:37	5
Benzene	ND		5.0	2.1	ug/L			12/12/19 00:37	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/12/19 00:37	5
Bromoform	ND		5.0	1.3	ug/L			12/12/19 00:37	5
Bromomethane	ND		5.0	3.5	ug/L			12/12/19 00:37	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/12/19 00:37	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/12/19 00:37	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/12/19 00:37	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/12/19 00:37	5
Chloroethane	ND		5.0	1.6	ug/L			12/12/19 00:37	5
Chloroform	ND		5.0	1.7	ug/L			12/12/19 00:37	5
Chloromethane	ND		5.0	1.8	ug/L			12/12/19 00:37	5
cis-1,2-Dichloroethene	**19**		5.0	4.1	ug/L			12/12/19 00:37	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/12/19 00:37	5
Cyclohexane	ND		5.0	0.90	ug/L			12/12/19 00:37	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/12/19 00:37	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/12/19 00:37	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/12/19 00:37	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/12/19 00:37	5
Methyl acetate	ND		13	6.5	ug/L			12/12/19 00:37	5

Client Sample ID: RW- 2

Lab Sample ID: 480-163862-2

Date Collected: 12/06/19 10:15

Matrix: Water

Date Received: 12/07/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/12/19 00:37	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/12/19 00:37	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/12/19 00:37	5
Styrene	ND		5.0	3.7	ug/L			12/12/19 00:37	5
Tetrachloroethene	**180**		5.0	1.8	ug/L			12/12/19 00:37	5
Toluene	ND		5.0	2.6	ug/L			12/12/19 00:37	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/12/19 00:37	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/12/19 00:37	5
Trichloroethene	**6.8**		5.0	2.3	ug/L			12/12/19 00:37	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/12/19 00:37	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/12/19 00:37	5
Xylenes, Total	ND		10	3.3	ug/L			12/12/19 00:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*12/12/19 00:37*	*5*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*12/12/19 00:37*	*5*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/12/19 00:37*	*5*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/12/19 00:37*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.9**		1.0	0.43	mg/L			12/13/19 03:19	1

Client Sample ID: RW- 3

Lab Sample ID: 480-163862-3

Date Collected: 12/06/19 10:20

Matrix: Water

Date Received: 12/07/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			12/12/19 01:02	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/12/19 01:02	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/12/19 01:02	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			12/12/19 01:02	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			12/12/19 01:02	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			12/12/19 01:02	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			12/12/19 01:02	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			12/12/19 01:02	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			12/12/19 01:02	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/12/19 01:02	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/12/19 01:02	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			12/12/19 01:02	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			12/12/19 01:02	4
2-Butanone (MEK)	ND		40	5.3	ug/L			12/12/19 01:02	4
2-Hexanone	ND		20	5.0	ug/L			12/12/19 01:02	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/12/19 01:02	4
Acetone	ND		40	12	ug/L			12/12/19 01:02	4
Benzene	ND		4.0	1.6	ug/L			12/12/19 01:02	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/12/19 01:02	4
Bromoform	ND		4.0	1.0	ug/L			12/12/19 01:02	4
Bromomethane	ND		4.0	2.8	ug/L			12/12/19 01:02	4

Client: New York State D.E.C.
Job ID: 480-163862-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW- 3
Lab Sample ID: 480-163862-3
Date Collected: 12/06/19 10:20
Matrix: Water
Date Received: 12/07/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			12/12/19 01:02	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/12/19 01:02	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/12/19 01:02	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/12/19 01:02	4
Chloroethane	ND		4.0	1.3	ug/L			12/12/19 01:02	4
Chloroform	ND		4.0	1.4	ug/L			12/12/19 01:02	4
Chloromethane	ND		4.0	1.4	ug/L			12/12/19 01:02	4
cis-1,2-Dichloroethene	**6.3**		4.0	3.2	ug/L			12/12/19 01:02	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/12/19 01:02	4
Cyclohexane	ND		4.0	0.72	ug/L			12/12/19 01:02	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			12/12/19 01:02	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/12/19 01:02	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			12/12/19 01:02	4
Isopropylbenzene	ND		4.0	3.2	ug/L			12/12/19 01:02	4
Methyl acetate	ND		10	5.2	ug/L			12/12/19 01:02	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			12/12/19 01:02	4
Methylcyclohexane	ND		4.0	0.64	ug/L			12/12/19 01:02	4
Methylene Chloride	**1.9**	**J**	4.0	1.8	ug/L			12/12/19 01:02	4
Styrene	ND		4.0	2.9	ug/L			12/12/19 01:02	4
Tetrachloroethene	**210**		4.0	1.4	ug/L			12/12/19 01:02	4
Toluene	ND		4.0	2.0	ug/L			12/12/19 01:02	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/12/19 01:02	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/12/19 01:02	4
Trichloroethene	**3.0**	**J**	4.0	1.8	ug/L			12/12/19 01:02	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			12/12/19 01:02	4
Vinyl chloride	ND		4.0	3.6	ug/L			12/12/19 01:02	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/12/19 01:02	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/12/19 01:02*	*4*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/12/19 01:02*	*4*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/12/19 01:02*	*4*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/12/19 01:02*	*4*

Client Sample ID: DUP
Lab Sample ID: 480-163862-4
Date Collected: 12/06/19 10:05
Matrix: Water
Date Received: 12/07/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/19 01:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/19 01:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/19 01:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/19 01:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/19 01:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/19 01:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/19 01:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/19 01:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/19 01:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/19 01:26	1

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-163862-1

Client Sample ID: DUP
Date Collected: 12/06/19 10:05
Date Received: 12/07/19 09:00

Lab Sample ID: 480-163862-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/19 01:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/19 01:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/19 01:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/19 01:26	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/19 01:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/19 01:26	1
Acetone	**3.5**	**J**	10	3.0	ug/L			12/12/19 01:26	1
Benzene	ND		1.0	0.41	ug/L			12/12/19 01:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/19 01:26	1
Bromoform	ND		1.0	0.26	ug/L			12/12/19 01:26	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/19 01:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/19 01:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/19 01:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/19 01:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/19 01:26	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/19 01:26	1
Chloroform	ND		1.0	0.34	ug/L			12/12/19 01:26	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/19 01:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/19 01:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/19 01:26	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/19 01:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/19 01:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/19 01:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/19 01:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/19 01:26	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/19 01:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/19 01:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/19 01:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/19 01:26	1
Styrene	ND		1.0	0.73	ug/L			12/12/19 01:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/19 01:26	1
Toluene	ND		1.0	0.51	ug/L			12/12/19 01:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/19 01:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/19 01:26	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/19 01:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/19 01:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/19 01:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/19 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/12/19 01:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/12/19 01:26*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/12/19 01:26*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/12/19 01:26*	*1*

Client: New York State D.E.C.
Job ID: 480-163862-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: EFFLUENT
Lab Sample ID: 480-163862-5
Date Collected: 12/06/19 10:00
Matrix: Water
Date Received: 12/07/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/19 12:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/19 12:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/19 12:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/19 12:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/19 12:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/19 12:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/19 12:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/19 12:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/19 12:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/19 12:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/19 12:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/19 12:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/19 12:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/19 12:04	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/19 12:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/19 12:04	1
Acetone	**18**		10	3.0	ug/L			12/12/19 12:04	1
Benzene	ND		1.0	0.41	ug/L			12/12/19 12:04	1
Bromodichloromethane	**0.54**	**J**	1.0	0.39	ug/L			12/12/19 12:04	1
Bromoform	ND		1.0	0.26	ug/L			12/12/19 12:04	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/19 12:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/19 12:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/19 12:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/19 12:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/19 12:04	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/19 12:04	1
Chloroform	**1.2**		1.0	0.34	ug/L			12/12/19 12:04	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/19 12:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/19 12:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/19 12:04	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/19 12:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/19 12:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/19 12:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/19 12:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/19 12:04	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/19 12:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/19 12:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/19 12:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/19 12:04	1
Styrene	ND		1.0	0.73	ug/L			12/12/19 12:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/19 12:04	1
Toluene	ND		1.0	0.51	ug/L			12/12/19 12:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/19 12:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/19 12:04	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/19 12:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/19 12:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/19 12:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/19 12:04	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-163862-5

Date Collected: 12/06/19 10:00
Matrix: Water
Date Received: 12/07/19 09:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/12/19 12:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/12/19 12:04*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/12/19 12:04*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/12/19 12:04*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-163862-6

Date Collected: 12/06/19 00:00
Matrix: Water
Date Received: 12/07/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/19 02:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/19 02:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/19 02:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/12/19 02:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/19 02:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/19 02:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/12/19 02:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/12/19 02:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/12/19 02:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/19 02:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/19 02:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/12/19 02:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/12/19 02:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/19 02:15	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/19 02:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/19 02:15	1
Acetone	ND		10	3.0	ug/L			12/12/19 02:15	1
Benzene	ND		1.0	0.41	ug/L			12/12/19 02:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/19 02:15	1
Bromoform	ND		1.0	0.26	ug/L			12/12/19 02:15	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/19 02:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/19 02:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/19 02:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/19 02:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/19 02:15	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/19 02:15	1
Chloroform	**0.45**	**J**	1.0	0.34	ug/L			12/12/19 02:15	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/19 02:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/19 02:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/19 02:15	1
Cyclohexane	ND		1.0	0.18	ug/L			12/12/19 02:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/12/19 02:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/19 02:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/12/19 02:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/12/19 02:15	1
Methyl acetate	ND		2.5	1.3	ug/L			12/12/19 02:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/12/19 02:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/12/19 02:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/19 02:15	1

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-163862-1

Client Sample ID: TRIP BLANK
Date Collected: 12/06/19 00:00
Date Received: 12/07/19 09:00

Lab Sample ID: 480-163862-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			12/12/19 02:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/19 02:15	1
Toluene	ND		1.0	0.51	ug/L			12/12/19 02:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/19 02:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/19 02:15	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/19 02:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/12/19 02:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/19 02:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/19 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/12/19 02:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/12/19 02:15*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/12/19 02:15*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/12/19 02:15*	*1*

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-163862-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW- 1
Lab Sample ID: 480-163862-1
Date Collected: 12/06/19 10:10
Matrix: Water
Date Received: 12/07/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	509399	12/12/19 00:13	OMI	TAL BUF
Total/NA	Analysis	SM 5310C		20	511114	12/19/19 00:10	CLA	TAL BUF

Client Sample ID: RW- 2
Lab Sample ID: 480-163862-2
Date Collected: 12/06/19 10:15
Matrix: Water
Date Received: 12/07/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	509399	12/12/19 00:37	OMI	TAL BUF
Total/NA	Analysis	SM 5310C		1	509834	12/13/19 03:19	CLA	TAL BUF

Client Sample ID: RW- 3
Lab Sample ID: 480-163862-3
Date Collected: 12/06/19 10:20
Matrix: Water
Date Received: 12/07/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	509399	12/12/19 01:02	OMI	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-163862-4
Date Collected: 12/06/19 10:05
Matrix: Water
Date Received: 12/07/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	509399	12/12/19 01:26	OMI	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-163862-5
Date Collected: 12/06/19 10:00
Matrix: Water
Date Received: 12/07/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	509460	12/12/19 12:04	BTP	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-163862-6
Date Collected: 12/06/19 00:00
Matrix: Water
Date Received: 12/07/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	509399	12/12/19 02:15	OMI	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-163862-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-163862-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-163862-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-163862-1	RW- 1	Water	12/06/19 10:10	12/07/19 09:00	
480-163862-2	RW- 2	Water	12/06/19 10:15	12/07/19 09:00	
480-163862-3	RW- 3	Water	12/06/19 10:20	12/07/19 09:00	
480-163862-4	DUP	Water	12/06/19 10:05	12/07/19 09:00	
480-163862-5	EFFLUENT	Water	12/06/19 10:00	12/07/19 09:00	
480-163862-6	TRIP BLANK	Water	12/06/19 00:00	12/07/19 09:00	

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-163862-1

Login Number: 163862 **List Source: Eurofins TestAmerica, Buffalo**

List Number: 1

Creator: Manhardt, Kara M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Andrew T2/Bot	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-133574-30092.1
Client Contact: Jessica Marcy	Phone: 518-885-5383	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:

Address: 5 McCrea Hill Road	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Ballston Spa	TAT Requested (days): Standard	480-163862 Chain of Custody	A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 12020			
Phone:	PO #: Call Out 137243		Other:
Email: jmarcy@aztechenv.com	WO #:		
Project Name: Roxy Cleaners #442024	Project #: 48020662		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	A		
RW-1		10:10	G	Water	N	N	X	X	X		
RW-2		10:15	G	Water	N	N	X	X	X		
RW-3		10:20	G	Water	N	N	X	X			
DUP		10:05	G	Water	N	N	X	X			
Effluent		10:00	G	Water	N	N	X	X	X		
Trip Blank		—		Water				X			
				Water							
RK2	12/6/19			Water							
				Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 12/6/19 10:30	Company: Aztech	Received by: Karl Jadin	Date/Time: 12-6-19 1430	Company: Eurofins
Relinquished by: Karl Jadin	Date/Time: 12/6/19 1700	Company: Eurofins	Received by: Christine Civello	Date/Time: 12/07/19 0900	Company: TA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.2 #1 IC1=

Ver: 01/16/2019

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ANALYTICAL REPORT

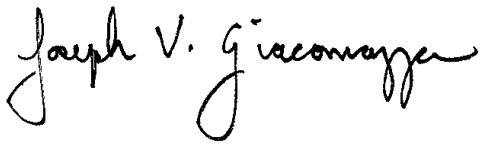
Job Number: 480-164784-1

Job Description: Roxy Cleaners #442024

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, NY 12233-7014

Attention: Jenelle Gaylord



Approved for release.
Joe V Giacomazza
Project Management Assistant II
1/17/2020 3:44 PM

Designee for
Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
judy.stone@testamericainc.com
01/17/2020

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

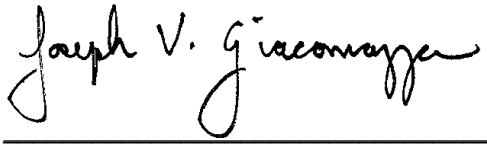
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

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

Job Number: 480-164784-1

Job Description: Roxy Cleaners #442024

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



Approved for release.
Joe V Giacomazza
Project Management Assistant II
1/17/2020 3:44 PM

Designee for
Judy L Stone

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Job Narrative
480-164784-1

Comments
No additional comments.

Receipt
The samples were received on 1/4/2020 11:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5º C.

GC/MS VOA
Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: RW-1 (480-164784-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-2 (480-164784-2) and RW-3 (480-164784-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-512586 recovered above the upper control limit for Tetrachloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Trichlorofluoromethane, and 2-Butanone (MEK). The sample associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported. The following sample is impacted: EFFLUENT (480-164784-5).

Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 512748. The following sample was affected : DUP (480-164784-4).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP (480-164784-4). Elevated reporting limits (RLs) are provided.

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

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

Definitions/Glossary

Client: New York State D.E.C. Job ID: 480-164784-1
Project/Site: Roxy Cleaners #442024

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

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

Glossary

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

Sample Summary

Client: New York State D.E.C.
Job ID: 480-164784-1
Project/Site: Roxy Cleaners #442024

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-164784-1	RW-1	Water	01/03/20 10:15	01/04/20 11:10	
480-164784-2	RW-2	Water	01/03/20 10:10	01/04/20 11:10	
480-164784-3	RW-3	Water	01/03/20 10:05	01/04/20 11:10	
480-164784-4	DUP	Water	01/03/20 10:20	01/04/20 11:10	
480-164784-5	EFFLUENT	Water	01/03/20 10:00	01/04/20 11:10	
480-164784-6	TRIP BLANK	Water	01/03/20 00:00	01/04/20 11:10	

Detection Summary

Client: New York State D.E.C.
Job ID: 480-164784-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-164784-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	140	J	200	26	ug/L	20		8260C	Total/NA
Acetone	390		200	60	ug/L	20		8260C	Total/NA
Total Organic Carbon	399		20.0	8.7	mg/L	20		SM 5310C	Total/NA

Client Sample ID: RW-2
Lab Sample ID: 480-164784-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.9		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	200		5.0	1.8	ug/L	5		8260C	Total/NA
Trichloroethene	4.8	J	5.0	2.3	ug/L	5		8260C	Total/NA
Total Organic Carbon	0.97	J	1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: RW-3
Lab Sample ID: 480-164784-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.3		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	240		4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	2.5	J	4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: DUP
Lab Sample ID: 480-164784-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.1		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	230		5.0	1.8	ug/L	5		8260C	Total/NA
Trichloroethene	3.0	J	5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: EFFLUENT
Lab Sample ID: 480-164784-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromoform	0.60	J	1.0	0.26	ug/L	1		8260C	Total/NA
Dibromochloromethane	0.90	J	1.0	0.32	ug/L	1		8260C	Total/NA
Chloroform	2.5		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-164784-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-164784-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Client Sample ID: RW-1
Lab Sample ID: 480-164784-1

Date Collected: 01/03/20 10:15
Matrix: Water
Date Received: 01/04/20 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			01/06/20 13:29	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			01/06/20 13:29	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			01/06/20 13:29	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			01/06/20 13:29	20
1,1-Dichloroethane	ND		20	7.6	ug/L			01/06/20 13:29	20
1,1-Dichloroethene	ND		20	5.8	ug/L			01/06/20 13:29	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			01/06/20 13:29	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			01/06/20 13:29	20
1,2-Dichlorobenzene	ND		20	16	ug/L			01/06/20 13:29	20
1,2-Dichloroethane	ND		20	4.2	ug/L			01/06/20 13:29	20
1,2-Dichloropropane	ND		20	14	ug/L			01/06/20 13:29	20
1,3-Dichlorobenzene	ND		20	16	ug/L			01/06/20 13:29	20
1,4-Dichlorobenzene	ND		20	17	ug/L			01/06/20 13:29	20
2-Butanone (MEK)	**140**	**J**	200	26	ug/L			01/06/20 13:29	20
2-Hexanone	ND		100	25	ug/L			01/06/20 13:29	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			01/06/20 13:29	20
Acetone	**390**		200	60	ug/L			01/06/20 13:29	20
Benzene	ND		20	8.2	ug/L			01/06/20 13:29	20
Bromodichloromethane	ND		20	7.8	ug/L			01/06/20 13:29	20
Bromoform	ND		20	5.2	ug/L			01/06/20 13:29	20
Bromomethane	ND		20	14	ug/L			01/06/20 13:29	20
Carbon disulfide	ND		20	3.8	ug/L			01/06/20 13:29	20
Carbon tetrachloride	ND		20	5.4	ug/L			01/06/20 13:29	20
Chlorobenzene	ND		20	15	ug/L			01/06/20 13:29	20
Dibromochloromethane	ND		20	6.4	ug/L			01/06/20 13:29	20
Chloroethane	ND		20	6.4	ug/L			01/06/20 13:29	20
Chloroform	ND		20	6.8	ug/L			01/06/20 13:29	20
Chloromethane	ND		20	7.0	ug/L			01/06/20 13:29	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			01/06/20 13:29	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			01/06/20 13:29	20
Cyclohexane	ND		20	3.6	ug/L			01/06/20 13:29	20
Dichlorodifluoromethane	ND		20	14	ug/L			01/06/20 13:29	20
Ethylbenzene	ND		20	15	ug/L			01/06/20 13:29	20
1,2-Dibromoethane	ND		20	15	ug/L			01/06/20 13:29	20
Isopropylbenzene	ND		20	16	ug/L			01/06/20 13:29	20
Methyl acetate	ND		50	26	ug/L			01/06/20 13:29	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			01/06/20 13:29	20
Methylcyclohexane	ND		20	3.2	ug/L			01/06/20 13:29	20
Methylene Chloride	ND		20	8.8	ug/L			01/06/20 13:29	20
Styrene	ND		20	15	ug/L			01/06/20 13:29	20
Tetrachloroethene	ND		20	7.2	ug/L			01/06/20 13:29	20
Toluene	ND		20	10	ug/L			01/06/20 13:29	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			01/06/20 13:29	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			01/06/20 13:29	20
Trichloroethene	ND		20	9.2	ug/L			01/06/20 13:29	20
Trichlorofluoromethane	ND		20	18	ug/L			01/06/20 13:29	20
Vinyl chloride	ND		20	18	ug/L			01/06/20 13:29	20
Xylenes, Total	ND		40	13	ug/L			01/06/20 13:29	20

Client Sample ID: RW-1
Lab Sample ID: 480-164784-1

Date Collected: 01/03/20 10:15
Matrix: Water
Date Received: 01/04/20 11:10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/06/20 13:29*	*20*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*01/06/20 13:29*	*20*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*01/06/20 13:29*	*20*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*01/06/20 13:29*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**399**		20.0	8.7	mg/L			01/09/20 22:37	20

Client Sample ID: RW-2
Lab Sample ID: 480-164784-2

Date Collected: 01/03/20 10:10
Matrix: Water
Date Received: 01/04/20 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			01/06/20 13:52	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			01/06/20 13:52	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			01/06/20 13:52	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			01/06/20 13:52	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			01/06/20 13:52	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			01/06/20 13:52	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			01/06/20 13:52	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			01/06/20 13:52	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			01/06/20 13:52	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			01/06/20 13:52	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			01/06/20 13:52	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			01/06/20 13:52	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			01/06/20 13:52	5
2-Butanone (MEK)	ND		50	6.6	ug/L			01/06/20 13:52	5
2-Hexanone	ND		25	6.2	ug/L			01/06/20 13:52	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			01/06/20 13:52	5
Acetone	ND		50	15	ug/L			01/06/20 13:52	5
Benzene	ND		5.0	2.1	ug/L			01/06/20 13:52	5
Bromodichloromethane	ND		5.0	2.0	ug/L			01/06/20 13:52	5
Bromoform	ND		5.0	1.3	ug/L			01/06/20 13:52	5
Bromomethane	ND		5.0	3.5	ug/L			01/06/20 13:52	5
Carbon disulfide	ND		5.0	0.95	ug/L			01/06/20 13:52	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			01/06/20 13:52	5
Chlorobenzene	ND		5.0	3.8	ug/L			01/06/20 13:52	5
Dibromochloromethane	ND		5.0	1.6	ug/L			01/06/20 13:52	5
Chloroethane	ND		5.0	1.6	ug/L			01/06/20 13:52	5
Chloroform	ND		5.0	1.7	ug/L			01/06/20 13:52	5
Chloromethane	ND		5.0	1.8	ug/L			01/06/20 13:52	5
cis-1,2-Dichloroethene	**7.9**		5.0	4.1	ug/L			01/06/20 13:52	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			01/06/20 13:52	5
Cyclohexane	ND		5.0	0.90	ug/L			01/06/20 13:52	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			01/06/20 13:52	5
Ethylbenzene	ND		5.0	3.7	ug/L			01/06/20 13:52	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			01/06/20 13:52	5
Isopropylbenzene	ND		5.0	4.0	ug/L			01/06/20 13:52	5
Methyl acetate	ND		13	6.5	ug/L			01/06/20 13:52	5

Client Sample ID: RW-2
Lab Sample ID: 480-164784-2

Date Collected: 01/03/20 10:10
Matrix: Water
Date Received: 01/04/20 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			01/06/20 13:52	5
Methylcyclohexane	ND		5.0	0.80	ug/L			01/06/20 13:52	5
Methylene Chloride	ND		5.0	2.2	ug/L			01/06/20 13:52	5
Styrene	ND		5.0	3.7	ug/L			01/06/20 13:52	5
Tetrachloroethene	**200**		5.0	1.8	ug/L			01/06/20 13:52	5
Toluene	ND		5.0	2.6	ug/L			01/06/20 13:52	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			01/06/20 13:52	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			01/06/20 13:52	5
Trichloroethene	**4.8**	**J**	5.0	2.3	ug/L			01/06/20 13:52	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			01/06/20 13:52	5
Vinyl chloride	ND		5.0	4.5	ug/L			01/06/20 13:52	5
Xylenes, Total	ND		10	3.3	ug/L			01/06/20 13:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*01/06/20 13:52*	*5*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*01/06/20 13:52*	*5*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*		*01/06/20 13:52*	*5*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*01/06/20 13:52*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**0.97**	**J**	1.0	0.43	mg/L			01/09/20 22:52	1

Client Sample ID: RW-3
Lab Sample ID: 480-164784-3

Date Collected: 01/03/20 10:05
Matrix: Water
Date Received: 01/04/20 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			01/06/20 14:15	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			01/06/20 14:15	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			01/06/20 14:15	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			01/06/20 14:15	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			01/06/20 14:15	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			01/06/20 14:15	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			01/06/20 14:15	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			01/06/20 14:15	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			01/06/20 14:15	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			01/06/20 14:15	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			01/06/20 14:15	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			01/06/20 14:15	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			01/06/20 14:15	4
2-Butanone (MEK)	ND		40	5.3	ug/L			01/06/20 14:15	4
2-Hexanone	ND		20	5.0	ug/L			01/06/20 14:15	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			01/06/20 14:15	4
Acetone	ND		40	12	ug/L			01/06/20 14:15	4
Benzene	ND		4.0	1.6	ug/L			01/06/20 14:15	4
Bromodichloromethane	ND		4.0	1.6	ug/L			01/06/20 14:15	4
Bromoform	ND		4.0	1.0	ug/L			01/06/20 14:15	4
Bromomethane	ND		4.0	2.8	ug/L			01/06/20 14:15	4

Client Sample ID: RW-3
Lab Sample ID: 480-164784-3

Date Collected: 01/03/20 10:05
Matrix: Water
Date Received: 01/04/20 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			01/06/20 14:15	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			01/06/20 14:15	4
Chlorobenzene	ND		4.0	3.0	ug/L			01/06/20 14:15	4
Dibromochloromethane	ND		4.0	1.3	ug/L			01/06/20 14:15	4
Chloroethane	ND		4.0	1.3	ug/L			01/06/20 14:15	4
Chloroform	ND		4.0	1.4	ug/L			01/06/20 14:15	4
Chloromethane	ND		4.0	1.4	ug/L			01/06/20 14:15	4
cis-1,2-Dichloroethene	**7.3**		4.0	3.2	ug/L			01/06/20 14:15	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			01/06/20 14:15	4
Cyclohexane	ND		4.0	0.72	ug/L			01/06/20 14:15	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			01/06/20 14:15	4
Ethylbenzene	ND		4.0	3.0	ug/L			01/06/20 14:15	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			01/06/20 14:15	4
Isopropylbenzene	ND		4.0	3.2	ug/L			01/06/20 14:15	4
Methyl acetate	ND		10	5.2	ug/L			01/06/20 14:15	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			01/06/20 14:15	4
Methylcyclohexane	ND		4.0	0.64	ug/L			01/06/20 14:15	4
Methylene Chloride	ND		4.0	1.8	ug/L			01/06/20 14:15	4
Styrene	ND		4.0	2.9	ug/L			01/06/20 14:15	4
Tetrachloroethene	**240**		4.0	1.4	ug/L			01/06/20 14:15	4
Toluene	ND		4.0	2.0	ug/L			01/06/20 14:15	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			01/06/20 14:15	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			01/06/20 14:15	4
Trichloroethene	**2.5**	**J**	4.0	1.8	ug/L			01/06/20 14:15	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			01/06/20 14:15	4
Vinyl chloride	ND		4.0	3.6	ug/L			01/06/20 14:15	4
Xylenes, Total	ND		8.0	2.6	ug/L			01/06/20 14:15	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*01/06/20 14:15*	*4*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*01/06/20 14:15*	*4*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*		*01/06/20 14:15*	*4*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*01/06/20 14:15*	*4*

Client Sample ID: DUP
Lab Sample ID: 480-164784-4

Date Collected: 01/03/20 10:20
Matrix: Water
Date Received: 01/04/20 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			01/08/20 14:37	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			01/08/20 14:37	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			01/08/20 14:37	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			01/08/20 14:37	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			01/08/20 14:37	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			01/08/20 14:37	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			01/08/20 14:37	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			01/08/20 14:37	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			01/08/20 14:37	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			01/08/20 14:37	5

Client Sample ID: DUP
Lab Sample ID: 480-164784-4

Date Collected: 01/03/20 10:20
Matrix: Water

Date Received: 01/04/20 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.0	3.6	ug/L			01/08/20 14:37	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			01/08/20 14:37	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			01/08/20 14:37	5
2-Butanone (MEK)	ND	*	50	6.6	ug/L			01/08/20 14:37	5
2-Hexanone	ND		25	6.2	ug/L			01/08/20 14:37	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			01/08/20 14:37	5
Acetone	ND		50	15	ug/L			01/08/20 14:37	5
Benzene	ND		5.0	2.1	ug/L			01/08/20 14:37	5
Bromodichloromethane	ND		5.0	2.0	ug/L			01/08/20 14:37	5
Bromoform	ND		5.0	1.3	ug/L			01/08/20 14:37	5
Bromomethane	ND		5.0	3.5	ug/L			01/08/20 14:37	5
Carbon disulfide	ND		5.0	0.95	ug/L			01/08/20 14:37	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			01/08/20 14:37	5
Chlorobenzene	ND		5.0	3.8	ug/L			01/08/20 14:37	5
Dibromochloromethane	ND		5.0	1.6	ug/L			01/08/20 14:37	5
Chloroethane	ND		5.0	1.6	ug/L			01/08/20 14:37	5
Chloroform	ND		5.0	1.7	ug/L			01/08/20 14:37	5
Chloromethane	ND		5.0	1.8	ug/L			01/08/20 14:37	5
cis-1,2-Dichloroethene	**7.1**		5.0	4.1	ug/L			01/08/20 14:37	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			01/08/20 14:37	5
Cyclohexane	ND		5.0	0.90	ug/L			01/08/20 14:37	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			01/08/20 14:37	5
Ethylbenzene	ND		5.0	3.7	ug/L			01/08/20 14:37	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			01/08/20 14:37	5
Isopropylbenzene	ND		5.0	4.0	ug/L			01/08/20 14:37	5
Methyl acetate	ND		13	6.5	ug/L			01/08/20 14:37	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			01/08/20 14:37	5
Methylcyclohexane	ND		5.0	0.80	ug/L			01/08/20 14:37	5
Methylene Chloride	ND		5.0	2.2	ug/L			01/08/20 14:37	5
Styrene	ND		5.0	3.7	ug/L			01/08/20 14:37	5
Tetrachloroethene	**230**		5.0	1.8	ug/L			01/08/20 14:37	5
Toluene	ND		5.0	2.6	ug/L			01/08/20 14:37	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			01/08/20 14:37	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			01/08/20 14:37	5
Trichloroethene	**3.0**	**J**	5.0	2.3	ug/L			01/08/20 14:37	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			01/08/20 14:37	5
Vinyl chloride	ND		5.0	4.5	ug/L			01/08/20 14:37	5
Xylenes, Total	ND		10	3.3	ug/L			01/08/20 14:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/08/20 14:37*	*5*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*01/08/20 14:37*	*5*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*01/08/20 14:37*	*5*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*01/08/20 14:37*	*5*

Client Sample ID: EFFLUENT
Lab Sample ID: 480-164784-5

Date Collected: 01/03/20 10:00
Matrix: Water
Date Received: 01/04/20 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/07/20 12:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/07/20 12:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/07/20 12:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/07/20 12:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/07/20 12:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/07/20 12:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/07/20 12:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/07/20 12:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/07/20 12:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/07/20 12:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/07/20 12:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/07/20 12:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/07/20 12:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/07/20 12:49	1
2-Hexanone	ND		5.0	1.2	ug/L			01/07/20 12:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/07/20 12:49	1
Acetone	ND		10	3.0	ug/L			01/07/20 12:49	1
Benzene	ND		1.0	0.41	ug/L			01/07/20 12:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/07/20 12:49	1
Bromoform	**0.60**	**J**	1.0	0.26	ug/L			01/07/20 12:49	1
Bromomethane	ND		1.0	0.69	ug/L			01/07/20 12:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/07/20 12:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/07/20 12:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/07/20 12:49	1
Dibromochloromethane	**0.90**	**J**	1.0	0.32	ug/L			01/07/20 12:49	1
Chloroethane	ND		1.0	0.32	ug/L			01/07/20 12:49	1
Chloroform	**2.5**		1.0	0.34	ug/L			01/07/20 12:49	1
Chloromethane	ND		1.0	0.35	ug/L			01/07/20 12:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/07/20 12:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/07/20 12:49	1
Cyclohexane	ND		1.0	0.18	ug/L			01/07/20 12:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/07/20 12:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/07/20 12:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/07/20 12:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/07/20 12:49	1
Methyl acetate	ND		2.5	1.3	ug/L			01/07/20 12:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/07/20 12:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/07/20 12:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/07/20 12:49	1
Styrene	ND		1.0	0.73	ug/L			01/07/20 12:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/07/20 12:49	1
Toluene	ND		1.0	0.51	ug/L			01/07/20 12:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/07/20 12:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/07/20 12:49	1
Trichloroethene	ND		1.0	0.46	ug/L			01/07/20 12:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/07/20 12:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/07/20 12:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/07/20 12:49	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-164784-5

Date Collected: 01/03/20 10:00
Matrix: Water
Date Received: 01/04/20 11:10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/07/20 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*01/07/20 12:49*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*01/07/20 12:49*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*01/07/20 12:49*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-164784-6

Date Collected: 01/03/20 00:00
Matrix: Water
Date Received: 01/04/20 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/06/20 15:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/06/20 15:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/06/20 15:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/06/20 15:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/06/20 15:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/06/20 15:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/06/20 15:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/06/20 15:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/06/20 15:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/06/20 15:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/06/20 15:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/06/20 15:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/06/20 15:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/06/20 15:24	1
2-Hexanone	ND		5.0	1.2	ug/L			01/06/20 15:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/06/20 15:24	1
Acetone	ND		10	3.0	ug/L			01/06/20 15:24	1
Benzene	ND		1.0	0.41	ug/L			01/06/20 15:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/06/20 15:24	1
Bromoform	ND		1.0	0.26	ug/L			01/06/20 15:24	1
Bromomethane	ND		1.0	0.69	ug/L			01/06/20 15:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/06/20 15:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/06/20 15:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/06/20 15:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/06/20 15:24	1
Chloroethane	ND		1.0	0.32	ug/L			01/06/20 15:24	1
Chloroform	ND		1.0	0.34	ug/L			01/06/20 15:24	1
Chloromethane	ND		1.0	0.35	ug/L			01/06/20 15:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/06/20 15:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/06/20 15:24	1
Cyclohexane	ND		1.0	0.18	ug/L			01/06/20 15:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/06/20 15:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/06/20 15:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/06/20 15:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/06/20 15:24	1
Methyl acetate	ND		2.5	1.3	ug/L			01/06/20 15:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/06/20 15:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/06/20 15:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/06/20 15:24	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-164784-6

Date Collected: 01/03/20 00:00
Matrix: Water

Date Received: 01/04/20 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			01/06/20 15:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/06/20 15:24	1
Toluene	ND		1.0	0.51	ug/L			01/06/20 15:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/06/20 15:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/06/20 15:24	1
Trichloroethene	ND		1.0	0.46	ug/L			01/06/20 15:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/06/20 15:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/06/20 15:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/06/20 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*01/06/20 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*01/06/20 15:24*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*01/06/20 15:24*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/06/20 15:24*	*1*

Surrogate Summary

Client: New York State D.E.C.
Job ID: 480-164784-1
Project/Site: Roxy Cleaners #442024

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-164784-1	RW-1	101	101	111	101
480-164784-2	RW-2	102	102	116	101
480-164784-3	RW-3	104	104	116	102
480-164784-4	DUP	100	105	99	106
480-164784-5	EFFLUENT	99	101	108	104
480-164784-6	TRIP BLANK	102	104	111	103
LCS 480-512458/5	Lab Control Sample	103	102	112	105
LCS 480-512586/5	Lab Control Sample	103	105	116	103
LCS 480-512748/5	Lab Control Sample	98	102	98	106
LCSD 480-512748/6	Lab Control Sample Dup	100	101	99	105
MB 480-512458/8	Method Blank	101	102	113	103
MB 480-512586/9	Method Blank	103	106	115	102
MB 480-512748/8	Method Blank	98	103	98	106

Surrogate Legend

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

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

Lab Sample ID: MB 480-512458/8
Matrix: Water
Analysis Batch: 512458

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/06/20 12:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/06/20 12:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/06/20 12:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/06/20 12:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/06/20 12:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/06/20 12:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/06/20 12:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/06/20 12:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/06/20 12:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/06/20 12:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/06/20 12:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/06/20 12:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/06/20 12:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/06/20 12:15	1
2-Hexanone	ND		5.0	1.2	ug/L			01/06/20 12:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/06/20 12:15	1
Acetone	ND		10	3.0	ug/L			01/06/20 12:15	1
Benzene	ND		1.0	0.41	ug/L			01/06/20 12:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/06/20 12:15	1
Bromoform	ND		1.0	0.26	ug/L			01/06/20 12:15	1
Bromomethane	ND		1.0	0.69	ug/L			01/06/20 12:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/06/20 12:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/06/20 12:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/06/20 12:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/06/20 12:15	1
Chloroethane	ND		1.0	0.32	ug/L			01/06/20 12:15	1
Chloroform	ND		1.0	0.34	ug/L			01/06/20 12:15	1
Chloromethane	ND		1.0	0.35	ug/L			01/06/20 12:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/06/20 12:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/06/20 12:15	1
Cyclohexane	ND		1.0	0.18	ug/L			01/06/20 12:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/06/20 12:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/06/20 12:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/06/20 12:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/06/20 12:15	1
Methyl acetate	ND		2.5	1.3	ug/L			01/06/20 12:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/06/20 12:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/06/20 12:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/06/20 12:15	1
Styrene	ND		1.0	0.73	ug/L			01/06/20 12:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/06/20 12:15	1
Toluene	ND		1.0	0.51	ug/L			01/06/20 12:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/06/20 12:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/06/20 12:15	1
Trichloroethene	ND		1.0	0.46	ug/L			01/06/20 12:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/06/20 12:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/06/20 12:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/06/20 12:15	1

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

Lab Sample ID: MB 480-512458/8
Matrix: Water
Analysis Batch: 512458

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/06/20 12:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*01/06/20 12:15*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*01/06/20 12:15*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/06/20 12:15*	*1*

Lab Sample ID: LCS 480-512458/5
Matrix: Water
Analysis Batch: 512458

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.0		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.1		ug/L		93	76 - 120
1,1,2-Trichloroethane	25.0	27.0		ug/L		108	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.6		ug/L		118	61 - 148
1,1-Dichloroethane	25.0	25.5		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	25.1		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	23.7		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	18.7		ug/L		75	56 - 134
1,2-Dichlorobenzene	25.0	26.5		ug/L		106	80 - 124
1,2-Dichloroethane	25.0	25.8		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	27.1		ug/L		109	76 - 120
1,3-Dichlorobenzene	25.0	25.8		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	26.3		ug/L		105	80 - 120
2-Butanone (MEK)	125	148		ug/L		119	57 - 140
2-Hexanone	125	131		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	125	135		ug/L		108	71 - 125
Acetone	125	151		ug/L		121	56 - 142
Benzene	25.0	25.6		ug/L		102	71 - 124
Bromodichloromethane	25.0	25.8		ug/L		103	80 - 122
Bromoform	25.0	27.2		ug/L		109	61 - 132
Bromomethane	25.0	24.7		ug/L		99	55 - 144
Carbon disulfide	25.0	27.1		ug/L		108	59 - 134
Carbon tetrachloride	25.0	25.3		ug/L		101	72 - 134
Chlorobenzene	25.0	26.5		ug/L		106	80 - 120
Dibromochloromethane	25.0	27.3		ug/L		109	75 - 125
Chloroethane	25.0	24.5		ug/L		98	69 - 136
Chloroform	25.0	23.9		ug/L		96	73 - 127
Chloromethane	25.0	25.9		ug/L		104	68 - 124
cis-1,2-Dichloroethene	25.0	25.5		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124
Cyclohexane	25.0	27.3		ug/L		109	59 - 135
Dichlorodifluoromethane	25.0	24.5		ug/L		98	59 - 135
Ethylbenzene	25.0	26.4		ug/L		105	77 - 123
1,2-Dibromoethane	25.0	26.7		ug/L		107	77 - 120
Isopropylbenzene	25.0	24.4		ug/L		98	77 - 122
Methyl acetate	50.0	55.4		ug/L		111	74 - 133
Methyl tert-butyl ether	25.0	23.1		ug/L		92	77 - 120
Methylcyclohexane	25.0	25.6		ug/L		102	68 - 134

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

Lab Sample ID: LCS 480-512458/5
Matrix: Water
Analysis Batch: 512458

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	26.5		ug/L		106	75 - 124
Styrene	25.0	26.9		ug/L		108	80 - 120
Tetrachloroethene	25.0	27.2		ug/L		109	74 - 122
Toluene	25.0	25.7		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	26.1		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	26.5		ug/L		106	80 - 120
Trichloroethene	25.0	24.8		ug/L		99	74 - 123
Trichlorofluoromethane	25.0	29.4		ug/L		118	62 - 150
Vinyl chloride	25.0	24.9		ug/L		100	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

Lab Sample ID: MB 480-512586/9
Matrix: Water
Analysis Batch: 512586

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/07/20 11:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/07/20 11:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/07/20 11:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/07/20 11:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/07/20 11:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/07/20 11:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/07/20 11:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/07/20 11:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/07/20 11:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/07/20 11:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/07/20 11:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/07/20 11:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/07/20 11:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/07/20 11:29	1
2-Hexanone	ND		5.0	1.2	ug/L			01/07/20 11:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/07/20 11:29	1
Acetone	ND		10	3.0	ug/L			01/07/20 11:29	1
Benzene	ND		1.0	0.41	ug/L			01/07/20 11:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/07/20 11:29	1
Bromoform	ND		1.0	0.26	ug/L			01/07/20 11:29	1
Bromomethane	ND		1.0	0.69	ug/L			01/07/20 11:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/07/20 11:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/07/20 11:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/07/20 11:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/07/20 11:29	1
Chloroethane	ND		1.0	0.32	ug/L			01/07/20 11:29	1
Chloroform	ND		1.0	0.34	ug/L			01/07/20 11:29	1

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

Lab Sample ID: MB 480-512586/9
Matrix: Water
Analysis Batch: 512586

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			01/07/20 11:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/07/20 11:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/07/20 11:29	1
Cyclohexane	ND		1.0	0.18	ug/L			01/07/20 11:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/07/20 11:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/07/20 11:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/07/20 11:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/07/20 11:29	1
Methyl acetate	ND		2.5	1.3	ug/L			01/07/20 11:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/07/20 11:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/07/20 11:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/07/20 11:29	1
Styrene	ND		1.0	0.73	ug/L			01/07/20 11:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/07/20 11:29	1
Toluene	ND		1.0	0.51	ug/L			01/07/20 11:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/07/20 11:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/07/20 11:29	1
Trichloroethene	ND		1.0	0.46	ug/L			01/07/20 11:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/07/20 11:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/07/20 11:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/07/20 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*01/07/20 11:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*01/07/20 11:29*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*01/07/20 11:29*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*01/07/20 11:29*	*1*

Lab Sample ID: LCS 480-512586/5
Matrix: Water
Analysis Batch: 512586

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.8		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.7		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	27.4		ug/L		109	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.8		ug/L		115	61 - 148
1,1-Dichloroethane	25.0	26.0		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	24.5		ug/L		98	66 - 127
1,2,4-Trichlorobenzene	25.0	23.8		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.3		ug/L		81	56 - 134
1,2-Dichlorobenzene	25.0	26.8		ug/L		107	80 - 124
1,2-Dichloroethane	25.0	26.1		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	27.1		ug/L		108	76 - 120
1,3-Dichlorobenzene	25.0	26.4		ug/L		106	77 - 120
1,4-Dichlorobenzene	25.0	26.8		ug/L		107	80 - 120
2-Butanone (MEK)	125	156		ug/L		125	57 - 140
2-Hexanone	125	146		ug/L		116	65 - 127

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

Lab Sample ID: LCS 480-512586/5
Matrix: Water
Analysis Batch: 512586

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	125	148		ug/L		118	71 - 125
Acetone	125	158		ug/L		127	56 - 142
Benzene	25.0	26.2		ug/L		105	71 - 124
Bromodichloromethane	25.0	27.2		ug/L		109	80 - 122
Bromoform	25.0	30.4		ug/L		121	61 - 132
Bromomethane	25.0	24.6		ug/L		99	55 - 144
Carbon disulfide	25.0	26.4		ug/L		106	59 - 134
Carbon tetrachloride	25.0	26.7		ug/L		107	72 - 134
Chlorobenzene	25.0	27.5		ug/L		110	80 - 120
Dibromochloromethane	25.0	28.7		ug/L		115	75 - 125
Chloroethane	25.0	24.5		ug/L		98	69 - 136
Chloroform	25.0	24.4		ug/L		98	73 - 127
Chloromethane	25.0	26.9		ug/L		108	68 - 124
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Cyclohexane	25.0	27.0		ug/L		108	59 - 135
Dichlorodifluoromethane	25.0	26.5		ug/L		106	59 - 135
Ethylbenzene	25.0	27.6		ug/L		110	77 - 123
1,2-Dibromoethane	25.0	28.4		ug/L		114	77 - 120
Isopropylbenzene	25.0	25.2		ug/L		101	77 - 122
Methyl acetate	50.0	58.1		ug/L		116	74 - 133
Methyl tert-butyl ether	25.0	23.9		ug/L		96	77 - 120
Methylcyclohexane	25.0	26.4		ug/L		106	68 - 134
Methylene Chloride	25.0	27.1		ug/L		109	75 - 124
Styrene	25.0	27.2		ug/L		109	80 - 120
Tetrachloroethene	25.0	28.5		ug/L		114	74 - 122
Toluene	25.0	27.4		ug/L		110	80 - 122
trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	73 - 127
trans-1,3-Dichloropropene	25.0	28.1		ug/L		113	80 - 120
Trichloroethene	25.0	26.3		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	28.3		ug/L		113	62 - 150
Vinyl chloride	25.0	25.8		ug/L		103	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: MB 480-512748/8
Matrix: Water
Analysis Batch: 512748

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/08/20 11:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/08/20 11:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/08/20 11:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/08/20 11:15	1

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

Lab Sample ID: MB 480-512748/8
Matrix: Water
Analysis Batch: 512748

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/08/20 11:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/08/20 11:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/08/20 11:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/08/20 11:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/08/20 11:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/08/20 11:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/08/20 11:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/08/20 11:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/08/20 11:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/08/20 11:15	1
2-Hexanone	ND		5.0	1.2	ug/L			01/08/20 11:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/08/20 11:15	1
Acetone	ND		10	3.0	ug/L			01/08/20 11:15	1
Benzene	ND		1.0	0.41	ug/L			01/08/20 11:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/08/20 11:15	1
Bromoform	ND		1.0	0.26	ug/L			01/08/20 11:15	1
Bromomethane	ND		1.0	0.69	ug/L			01/08/20 11:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/08/20 11:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/08/20 11:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/08/20 11:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/08/20 11:15	1
Chloroethane	ND		1.0	0.32	ug/L			01/08/20 11:15	1
Chloroform	ND		1.0	0.34	ug/L			01/08/20 11:15	1
Chloromethane	ND		1.0	0.35	ug/L			01/08/20 11:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/08/20 11:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/08/20 11:15	1
Cyclohexane	ND		1.0	0.18	ug/L			01/08/20 11:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/08/20 11:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/08/20 11:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/08/20 11:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/08/20 11:15	1
Methyl acetate	ND		2.5	1.3	ug/L			01/08/20 11:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/08/20 11:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/08/20 11:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/08/20 11:15	1
Styrene	ND		1.0	0.73	ug/L			01/08/20 11:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/08/20 11:15	1
Toluene	ND		1.0	0.51	ug/L			01/08/20 11:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/08/20 11:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/08/20 11:15	1
Trichloroethene	ND		1.0	0.46	ug/L			01/08/20 11:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/08/20 11:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/08/20 11:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/08/20 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/08/20 11:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*01/08/20 11:15*	*1*

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

Lab Sample ID: MB 480-512748/8
Matrix: Water
Analysis Batch: 512748

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		73 - 120		01/08/20 11:15	1
Dibromofluoromethane (Surr)	106		75 - 123		01/08/20 11:15	1

Lab Sample ID: LCS 480-512748/5
Matrix: Water
Analysis Batch: 512748

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.6		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.5		ug/L		106	76 - 120
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.0		ug/L		104	61 - 148
1,1-Dichloroethane	25.0	26.8		ug/L		107	77 - 120
1,1-Dichloroethene	25.0	23.9		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	26.3		ug/L		105	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.3		ug/L		97	56 - 134
1,2-Dichlorobenzene	25.0	26.8		ug/L		107	80 - 124
1,2-Dichloroethane	25.0	26.0		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	26.7		ug/L		107	76 - 120
1,3-Dichlorobenzene	25.0	26.5		ug/L		106	77 - 120
1,4-Dichlorobenzene	25.0	26.5		ug/L		106	80 - 120
2-Butanone (MEK)	125	230	*	ug/L		184	57 - 140
2-Hexanone	125	128		ug/L		103	65 - 127
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	139		ug/L		111	56 - 142
Benzene	25.0	25.2		ug/L		101	71 - 124
Bromodichloromethane	25.0	27.2		ug/L		109	80 - 122
Bromoform	25.0	24.3		ug/L		97	61 - 132
Bromomethane	25.0	24.4		ug/L		98	55 - 144
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134
Carbon tetrachloride	25.0	24.5		ug/L		98	72 - 134
Chlorobenzene	25.0	25.8		ug/L		103	80 - 120
Dibromochloromethane	25.0	26.8		ug/L		107	75 - 125
Chloroethane	25.0	24.5		ug/L		98	69 - 136
Chloroform	25.0	24.8		ug/L		99	73 - 127
Chloromethane	25.0	24.9		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	25.6		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Cyclohexane	25.0	26.0		ug/L		104	59 - 135
Dichlorodifluoromethane	25.0	26.3		ug/L		105	59 - 135
Ethylbenzene	25.0	25.5		ug/L		102	77 - 123
1,2-Dibromoethane	25.0	25.9		ug/L		104	77 - 120
Isopropylbenzene	25.0	26.8		ug/L		107	77 - 122
Methyl acetate	50.0	49.6		ug/L		99	74 - 133
Methyl tert-butyl ether	25.0	24.6		ug/L		98	77 - 120
Methylcyclohexane	25.0	26.7		ug/L		107	68 - 134
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
Styrene	25.0	25.4		ug/L		102	80 - 120

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

Lab Sample ID: LCS 480-512748/5
Matrix: Water
Analysis Batch: 512748

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	25.0	27.8		ug/L		111	74 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	25.3		ug/L		101	80 - 120
Trichloroethene	25.0	25.9		ug/L		104	74 - 123
Trichlorofluoromethane	25.0	26.7		ug/L		107	62 - 150
Vinyl chloride	25.0	25.7		ug/L		103	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: LCSD 480-512748/6
Matrix: Water
Analysis Batch: 512748

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	73 - 126	0	15
1,1,2,2-Tetrachloroethane	25.0	26.7		ug/L		107	76 - 120	0	15
1,1,2-Trichloroethane	25.0	25.3		ug/L		101	76 - 122	0	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.3		ug/L		109	61 - 148	5	20
1,1-Dichloroethane	25.0	26.4		ug/L		106	77 - 120	1	20
1,1-Dichloroethene	25.0	23.8		ug/L		95	66 - 127	0	16
1,2,4-Trichlorobenzene	25.0	26.5		ug/L		106	79 - 122	1	20
1,2-Dibromo-3-Chloropropane	25.0	25.2		ug/L		101	56 - 134	4	15
1,2-Dichlorobenzene	25.0	26.8		ug/L		107	80 - 124	0	20
1,2-Dichloroethane	25.0	25.6		ug/L		103	75 - 120	1	20
1,2-Dichloropropane	25.0	25.4		ug/L		102	76 - 120	5	20
1,3-Dichlorobenzene	25.0	26.7		ug/L		107	77 - 120	1	20
1,4-Dichlorobenzene	25.0	26.4		ug/L		106	80 - 120	0	20
2-Butanone (MEK)	125	227	*	ug/L		181	57 - 140	1	20
2-Hexanone	125	130		ug/L		104	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		102	71 - 125	2	35
Acetone	125	132		ug/L		106	56 - 142	5	15
Benzene	25.0	25.2		ug/L		101	71 - 124	0	13
Bromodichloromethane	25.0	26.9		ug/L		108	80 - 122	1	15
Bromoform	25.0	24.0		ug/L		96	61 - 132	1	15
Bromomethane	25.0	25.5		ug/L		102	55 - 144	4	15
Carbon disulfide	25.0	24.6		ug/L		98	59 - 134	0	15
Carbon tetrachloride	25.0	24.7		ug/L		99	72 - 134	1	15
Chlorobenzene	25.0	25.0		ug/L		100	80 - 120	3	25
Dibromochloromethane	25.0	26.4		ug/L		106	75 - 125	1	15
Chloroethane	25.0	26.3		ug/L		105	69 - 136	7	15
Chloroform	25.0	25.2		ug/L		101	73 - 127	1	20
Chloromethane	25.0	24.4		ug/L		98	68 - 124	2	15
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	74 - 124	1	15

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

Lab Sample ID: LCSD 480-512748/6
Matrix: Water
Analysis Batch: 512748

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,3-Dichloropropene			25.0	26.0		ug/L		104	74 - 124	3	15
Cyclohexane			25.0	25.1		ug/L		101	59 - 135	3	20
Dichlorodifluoromethane			25.0	25.8		ug/L		103	59 - 135	2	20
Ethylbenzene			25.0	25.5		ug/L		102	77 - 123	0	15
1,2-Dibromoethane			25.0	26.4		ug/L		106	77 - 120	2	15
Isopropylbenzene			25.0	26.8		ug/L		107	77 - 122	0	20
Methyl acetate			50.0	51.4		ug/L		103	74 - 133	3	20
Methyl tert-butyl ether			25.0	25.0		ug/L		100	77 - 120	2	37
Methylcyclohexane			25.0	26.5		ug/L		106	68 - 134	1	20
Methylene Chloride			25.0	24.4		ug/L		98	75 - 124	1	15
Styrene			25.0	25.6		ug/L		102	80 - 120	0	20
Tetrachloroethene			25.0	27.2		ug/L		109	74 - 122	2	20
Toluene			25.0	24.8		ug/L		99	80 - 122	2	15
trans-1,2-Dichloroethene			25.0	25.0		ug/L		100	73 - 127	3	20
trans-1,3-Dichloropropene			25.0	25.3		ug/L		101	80 - 120	0	15
Trichloroethene			25.0	25.7		ug/L		103	74 - 123	1	16
Trichlorofluoromethane			25.0	26.1		ug/L		104	62 - 150	2	20
Vinyl chloride			25.0	25.4		ug/L		101	65 - 133	1	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

Method: SM 5310C - TOC

Lab Sample ID: MB 480-513204/8
Matrix: Water
Analysis Batch: 513204

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			01/09/20 18:01	1

Lab Sample ID: LCS 480-513204/9
Matrix: Water
Analysis Batch: 513204

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			60.0	61.48		mg/L		102	90 - 110		

QC Association Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-164784-1

GC/MS VOA

Analysis Batch: 512458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164784-1	RW-1	Total/NA	Water	8260C	
480-164784-2	RW-2	Total/NA	Water	8260C	
480-164784-3	RW-3	Total/NA	Water	8260C	
480-164784-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-512458/8	Method Blank	Total/NA	Water	8260C	
LCS 480-512458/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 512586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164784-5	EFFLUENT	Total/NA	Water	8260C	
MB 480-512586/9	Method Blank	Total/NA	Water	8260C	
LCS 480-512586/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 512748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164784-4	DUP	Total/NA	Water	8260C	
MB 480-512748/8	Method Blank	Total/NA	Water	8260C	
LCS 480-512748/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-512748/6	Lab Control Sample Dup	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 513204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164784-1	RW-1	Total/NA	Water	SM 5310C	
480-164784-2	RW-2	Total/NA	Water	SM 5310C	
MB 480-513204/8	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-513204/9	Lab Control Sample	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-164784-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-164784-1
Date Collected: 01/03/20 10:15
Matrix: Water
Date Received: 01/04/20 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	512458	01/06/20 13:29	CRL	TAL BUF
Total/NA	Analysis	SM 5310C		20	513204	01/09/20 22:37	CLA	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-164784-2
Date Collected: 01/03/20 10:10
Matrix: Water
Date Received: 01/04/20 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	512458	01/06/20 13:52	CRL	TAL BUF
Total/NA	Analysis	SM 5310C		1	513204	01/09/20 22:52	CLA	TAL BUF

Client Sample ID: RW-3
Lab Sample ID: 480-164784-3
Date Collected: 01/03/20 10:05
Matrix: Water
Date Received: 01/04/20 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	512458	01/06/20 14:15	CRL	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-164784-4
Date Collected: 01/03/20 10:20
Matrix: Water
Date Received: 01/04/20 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	512748	01/08/20 14:37	LCH	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-164784-5
Date Collected: 01/03/20 10:00
Matrix: Water
Date Received: 01/04/20 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	512586	01/07/20 12:49	CRL	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-164784-6
Date Collected: 01/03/20 00:00
Matrix: Water
Date Received: 01/04/20 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	512458	01/06/20 15:24	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C. Job ID: 480-164784-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
RW-1	480-164784-1	101	101	101	111
RW-2	480-164784-2	101	102	102	116
RW-3	480-164784-3	102	104	104	116
DUP	480-164784-4	106	105	100	99
EFFLUENT	480-164784-5	104	101	99	108
TRIP BLANK	480-164784-6	103	104	102	111
	MB 480-512458/8	103	102	101	113
	MB 480-512586/9	102	106	103	115
	MB 480-512748/8	106	103	98	98
	LCS 480-512458/5	105	102	103	112
	LCS 480-512586/5	103	105	103	116
	LCS 480-512748/5	106	102	98	98
	LCSD 480-512748/6	105	101	100	99

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

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S3701.D

Lab ID: LCS 480-512458/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.0	104	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.1	93	76-120	
1,1,2-Trichloroethane	25.0	27.0	108	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.6	118	61-148	
1,1-Dichloroethane	25.0	25.5	102	77-120	
1,1-Dichloroethene	25.0	25.1	100	66-127	
1,2,4-Trichlorobenzene	25.0	23.7	95	79-122	
1,2-Dibromo-3-Chloropropane	25.0	18.7	75	56-134	
1,2-Dichlorobenzene	25.0	26.5	106	80-124	
1,2-Dichloroethane	25.0	25.8	103	75-120	
1,2-Dichloropropane	25.0	27.1	109	76-120	
1,3-Dichlorobenzene	25.0	25.8	103	77-120	
1,4-Dichlorobenzene	25.0	26.3	105	80-120	
2-Butanone (MEK)	125	148	119	57-140	
2-Hexanone	125	131	105	65-127	
4-Methyl-2-pentanone (MIBK)	125	135	108	71-125	
Acetone	125	151	121	56-142	
Benzene	25.0	25.6	102	71-124	
Bromodichloromethane	25.0	25.8	103	80-122	
Bromoform	25.0	27.2	109	61-132	
Bromomethane	25.0	24.7	99	55-144	
Carbon disulfide	25.0	27.1	108	59-134	
Carbon tetrachloride	25.0	25.3	101	72-134	
Chlorobenzene	25.0	26.5	106	80-120	
Dibromochloromethane	25.0	27.3	109	75-125	
Chloroethane	25.0	24.5	98	69-136	
Chloroform	25.0	23.9	96	73-127	
Chloromethane	25.0	25.9	104	68-124	
cis-1,2-Dichloroethene	25.0	25.5	102	74-124	
cis-1,3-Dichloropropene	25.0	26.0	104	74-124	
Cyclohexane	25.0	27.3	109	59-135	
Dichlorodifluoromethane	25.0	24.5	98	59-135	
Ethylbenzene	25.0	26.4	105	77-123	
1,2-Dibromoethane	25.0	26.7	107	77-120	
Isopropylbenzene	25.0	24.4	98	77-122	
Methyl acetate	50.0	55.4	111	74-133	
Methyl tert-butyl ether	25.0	23.1	92	77-120	
Methylcyclohexane	25.0	25.6	102	68-134	
Methylene Chloride	25.0	26.5	106	75-124	
Styrene	25.0	26.9	108	80-120	
Tetrachloroethene	25.0	27.2	109	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S3701.D

Lab ID: LCS 480-512458/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	25.7	103	80-122	
trans-1,2-Dichloroethene	25.0	26.1	104	73-127	
trans-1,3-Dichloropropene	25.0	26.5	106	80-120	
Trichloroethene	25.0	24.8	99	74-123	
Trichlorofluoromethane	25.0	29.4	118	62-150	
Vinyl chloride	25.0	24.9	100	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S3722.D

Lab ID: LCS 480-512586/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.8	107	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.7	99	76-120	
1,1,2-Trichloroethane	25.0	27.4	109	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.8	115	61-148	
1,1-Dichloroethane	25.0	26.0	104	77-120	
1,1-Dichloroethene	25.0	24.5	98	66-127	
1,2,4-Trichlorobenzene	25.0	23.8	95	79-122	
1,2-Dibromo-3-Chloropropane	25.0	20.3	81	56-134	
1,2-Dichlorobenzene	25.0	26.8	107	80-124	
1,2-Dichloroethane	25.0	26.1	104	75-120	
1,2-Dichloropropane	25.0	27.1	108	76-120	
1,3-Dichlorobenzene	25.0	26.4	106	77-120	
1,4-Dichlorobenzene	25.0	26.8	107	80-120	
2-Butanone (MEK)	125	156	125	57-140	
2-Hexanone	125	146	116	65-127	
4-Methyl-2-pentanone (MIBK)	125	148	118	71-125	
Acetone	125	158	127	56-142	
Benzene	25.0	26.2	105	71-124	
Bromodichloromethane	25.0	27.2	109	80-122	
Bromoform	25.0	30.4	121	61-132	
Bromomethane	25.0	24.6	99	55-144	
Carbon disulfide	25.0	26.4	106	59-134	
Carbon tetrachloride	25.0	26.7	107	72-134	
Chlorobenzene	25.0	27.5	110	80-120	
Dibromochloromethane	25.0	28.7	115	75-125	
Chloroethane	25.0	24.5	98	69-136	
Chloroform	25.0	24.4	98	73-127	
Chloromethane	25.0	26.9	108	68-124	
cis-1,2-Dichloroethene	25.0	25.9	104	74-124	
cis-1,3-Dichloropropene	25.0	26.5	106	74-124	
Cyclohexane	25.0	27.0	108	59-135	
Dichlorodifluoromethane	25.0	26.5	106	59-135	
Ethylbenzene	25.0	27.6	110	77-123	
1,2-Dibromoethane	25.0	28.4	114	77-120	
Isopropylbenzene	25.0	25.2	101	77-122	
Methyl acetate	50.0	58.1	116	74-133	
Methyl tert-butyl ether	25.0	23.9	96	77-120	
Methylcyclohexane	25.0	26.4	106	68-134	
Methylene Chloride	25.0	27.1	109	75-124	
Styrene	25.0	27.2	109	80-120	
Tetrachloroethene	25.0	28.5	114	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S3722.D

Lab ID: LCS 480-512586/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	27.4	110	80-122	
trans-1,2-Dichloroethene	25.0	26.8	107	73-127	
trans-1,3-Dichloropropene	25.0	28.1	113	80-120	
Trichloroethene	25.0	26.3	105	74-123	
Trichlorofluoromethane	25.0	28.3	113	62-150	
Vinyl chloride	25.0	25.8	103	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T9852.D

Lab ID: LCS 480-512748/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.6	102	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.5	106	76-120	
1,1,2-Trichloroethane	25.0	25.4	102	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.0	104	61-148	
1,1-Dichloroethane	25.0	26.8	107	77-120	
1,1-Dichloroethene	25.0	23.9	96	66-127	
1,2,4-Trichlorobenzene	25.0	26.3	105	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.3	97	56-134	
1,2-Dichlorobenzene	25.0	26.8	107	80-124	
1,2-Dichloroethane	25.0	26.0	104	75-120	
1,2-Dichloropropane	25.0	26.7	107	76-120	
1,3-Dichlorobenzene	25.0	26.5	106	77-120	
1,4-Dichlorobenzene	25.0	26.5	106	80-120	
2-Butanone (MEK)	125	230	184	57-140	*
2-Hexanone	125	128	103	65-127	
4-Methyl-2-pentanone (MIBK)	125	126	101	71-125	
Acetone	125	139	111	56-142	
Benzene	25.0	25.2	101	71-124	
Bromodichloromethane	25.0	27.2	109	80-122	
Bromoform	25.0	24.3	97	61-132	
Bromomethane	25.0	24.4	98	55-144	
Carbon disulfide	25.0	24.7	99	59-134	
Carbon tetrachloride	25.0	24.5	98	72-134	
Chlorobenzene	25.0	25.8	103	80-120	
Dibromochloromethane	25.0	26.8	107	75-125	
Chloroethane	25.0	24.5	98	69-136	
Chloroform	25.0	24.8	99	73-127	
Chloromethane	25.0	24.9	100	68-124	
cis-1,2-Dichloroethene	25.0	25.6	102	74-124	
cis-1,3-Dichloropropene	25.0	26.8	107	74-124	
Cyclohexane	25.0	26.0	104	59-135	
Dichlorodifluoromethane	25.0	26.3	105	59-135	
Ethylbenzene	25.0	25.5	102	77-123	
1,2-Dibromoethane	25.0	25.9	104	77-120	
Isopropylbenzene	25.0	26.8	107	77-122	
Methyl acetate	50.0	49.6	99	74-133	
Methyl tert-butyl ether	25.0	24.6	98	77-120	
Methylcyclohexane	25.0	26.7	107	68-134	
Methylene Chloride	25.0	24.7	99	75-124	
Styrene	25.0	25.4	102	80-120	
Tetrachloroethene	25.0	27.8	111	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T9852.D

Lab ID: LCS 480-512748/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	25.2	101	80-122	
trans-1,2-Dichloroethene	25.0	25.8	103	73-127	
trans-1,3-Dichloropropene	25.0	25.3	101	80-120	
Trichloroethene	25.0	25.9	104	74-123	
Trichlorofluoromethane	25.0	26.7	107	62-150	
Vinyl chloride	25.0	25.7	103	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T9853.D

Lab ID: LCSD 480-512748/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.5	102	0	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.7	107	0	15	76-120	
1,1,2-Trichloroethane	25.0	25.3	101	0	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.3	109	5	20	61-148	
1,1-Dichloroethane	25.0	26.4	106	1	20	77-120	
1,1-Dichloroethene	25.0	23.8	95	0	16	66-127	
1,2,4-Trichlorobenzene	25.0	26.5	106	1	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	25.2	101	4	15	56-134	
1,2-Dichlorobenzene	25.0	26.8	107	0	20	80-124	
1,2-Dichloroethane	25.0	25.6	103	1	20	75-120	
1,2-Dichloropropane	25.0	25.4	102	5	20	76-120	
1,3-Dichlorobenzene	25.0	26.7	107	1	20	77-120	
1,4-Dichlorobenzene	25.0	26.4	106	0	20	80-120	
2-Butanone (MEK)	125	227	181	1	20	57-140	*
2-Hexanone	125	130	104	1	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	128	102	2	35	71-125	
Acetone	125	132	106	5	15	56-142	
Benzene	25.0	25.2	101	0	13	71-124	
Bromodichloromethane	25.0	26.9	108	1	15	80-122	
Bromoform	25.0	24.0	96	1	15	61-132	
Bromomethane	25.0	25.5	102	4	15	55-144	
Carbon disulfide	25.0	24.6	98	0	15	59-134	
Carbon tetrachloride	25.0	24.7	99	1	15	72-134	
Chlorobenzene	25.0	25.0	100	3	25	80-120	
Dibromochloromethane	25.0	26.4	106	1	15	75-125	
Chloroethane	25.0	26.3	105	7	15	69-136	
Chloroform	25.0	25.2	101	1	20	73-127	
Chloromethane	25.0	24.4	98	2	15	68-124	
cis-1,2-Dichloroethene	25.0	25.9	104	1	15	74-124	
cis-1,3-Dichloropropene	25.0	26.0	104	3	15	74-124	
Cyclohexane	25.0	25.1	101	3	20	59-135	
Dichlorodifluoromethane	25.0	25.8	103	2	20	59-135	
Ethylbenzene	25.0	25.5	102	0	15	77-123	
1,2-Dibromoethane	25.0	26.4	106	2	15	77-120	
Isopropylbenzene	25.0	26.8	107	0	20	77-122	
Methyl acetate	50.0	51.4	103	3	20	74-133	
Methyl tert-butyl ether	25.0	25.0	100	2	37	77-120	
Methylcyclohexane	25.0	26.5	106	1	20	68-134	
Methylene Chloride	25.0	24.4	98	1	15	75-124	
Styrene	25.0	25.6	102	0	20	80-120	
Tetrachloroethene	25.0	27.2	109	2	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T9853.D

Lab ID: LCSD 480-512748/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	25.0	24.8	99	2	15	80-122	
trans-1,2-Dichloroethene	25.0	25.0	100	3	20	73-127	
trans-1,3-Dichloropropene	25.0	25.3	101	0	15	80-120	
Trichloroethene	25.0	25.7	103	1	16	74-123	
Trichlorofluoromethane	25.0	26.1	104	2	20	62-150	
Vinyl chloride	25.0	25.4	101	1	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab File ID: S3705.D Lab Sample ID: MB 480-512458/8

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

Instrument ID: HP5973S Date Analyzed: 01/06/2020 12:15

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-512458/5	S3701.D	01/06/2020 09:20
RW-1	480-164784-1	S3707.D	01/06/2020 13:29
RW-2	480-164784-2	S3708.D	01/06/2020 13:52
RW-3	480-164784-3	S3709.D	01/06/2020 14:15
TRIP BLANK	480-164784-6	S3712.D	01/06/2020 15:24

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab File ID: S3724.D Lab Sample ID: MB 480-512586/9

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

Instrument ID: HP5973S Date Analyzed: 01/07/2020 11:29

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-512586/5	S3722.D	01/07/2020 10:16
EFFLUENT	480-164784-5	S3726.D	01/07/2020 12:49

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab File ID: T9855.D Lab Sample ID: MB 480-512748/8

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

Instrument ID: HP5975T Date Analyzed: 01/08/2020 11:15

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-512748/5	T9852.D	01/08/2020 10:03
	LCSD 480-512748/6	T9853.D	01/08/2020 10:27
DUP	480-164784-4	T9863.D	01/08/2020 14:37

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab File ID: S2496.D BFB Injection Date: 11/18/2019

Instrument ID: HP5973S BFB Injection Time: 11:07

Analysis Batch No.: 505107

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.9	
75	30.0 - 60.0 % of mass 95	50.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	70.5	
175	5.0 - 9.0 % of mass 174	6.0	(8.5) 1
176	95.0 - 101.0 % of mass 174	69.5	(98.6) 1
177	5.0 - 9.0 % of mass 176	4.5	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-505107/4	S2498.D	11/18/2019	12:00
	IC 480-505107/5	S2499.D	11/18/2019	12:23
	IC 480-505107/6	S2500.D	11/18/2019	12:46
	IC 480-505107/7	S2501.D	11/18/2019	13:09
	IC 480-505107/8	S2502.D	11/18/2019	13:32
	ICIS 480-505107/9	S2503.D	11/18/2019	13:55
	IC 480-505107/10	S2504.D	11/18/2019	14:18
	IC 480-505107/11	S2505.D	11/18/2019	14:41

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab File ID: S3698.D BFB Injection Date: 01/06/2020

Instrument ID: HP5973S BFB Injection Time: 08:08

Analysis Batch No.: 512458

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.5	
75	30.0 - 60.0 % of mass 95	50.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.5	
173	Less than 2.0 % of mass 174	0.2	(0.2) 1
174	50.0 - 120.00 % of mass 95	82.1	
175	5.0 - 9.0 % of mass 174	6.0	(7.3) 1
176	95.0 - 101.0 % of mass 174	79.8	(97.1) 1
177	5.0 - 9.0 % of mass 176	5.9	(7.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-512458/3	S3699.D	01/06/2020	08:33
	CCV 480-512458/4	S3700.D	01/06/2020	08:57
	LCS 480-512458/5	S3701.D	01/06/2020	09:20
	MB 480-512458/8	S3705.D	01/06/2020	12:15
RW-1	480-164784-1	S3707.D	01/06/2020	13:29
RW-2	480-164784-2	S3708.D	01/06/2020	13:52
RW-3	480-164784-3	S3709.D	01/06/2020	14:15
TRIP BLANK	480-164784-6	S3712.D	01/06/2020	15:24

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab File ID: S3719.D BFB Injection Date: 01/07/2020

Instrument ID: HP5973S BFB Injection Time: 08:01

Analysis Batch No.: 512586

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.3	
75	30.0 - 60.0 % of mass 95	47.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	77.9	
175	5.0 - 9.0 % of mass 174	5.4	(7.0) 1
176	95.0 - 101.0 % of mass 174	75.1	(96.4) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-512586/3	S3720.D	01/07/2020	08:33
	CCV 480-512586/4	S3721.D	01/07/2020	09:13
	LCS 480-512586/5	S3722.D	01/07/2020	10:16
	MB 480-512586/9	S3724.D	01/07/2020	11:29
EFFLUENT	480-164784-5	S3726.D	01/07/2020	12:49

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab File ID: T9249.D BFB Injection Date: 12/17/2019

Instrument ID: HP5975T BFB Injection Time: 13:55

Analysis Batch No.: 510334

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.1	
75	30.0 - 60.0 % of mass 95	48.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.5	(0.7) 1
174	50.0 - 120.00 % of mass 95	78.3	
175	5.0 - 9.0 % of mass 174	6.0	(7.7) 1
176	95.0 - 101.0 % of mass 174	74.8	(95.5) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-510334/6	T9251.D	12/17/2019	14:46
	IC 480-510334/7	T9252.D	12/17/2019	15:10
	IC 480-510334/8	T9253.D	12/17/2019	15:34
	IC 480-510334/9	T9254.D	12/17/2019	15:58
	IC 480-510334/10	T9255.D	12/17/2019	16:22
	ICIS 480-510334/11	T9256.D	12/17/2019	16:46
	IC 480-510334/12	T9257.D	12/17/2019	17:11
	IC 480-510334/13	T9258.D	12/17/2019	17:35

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab File ID: T9849.D BFB Injection Date: 01/08/2020

Instrument ID: HP5975T BFB Injection Time: 08:51

Analysis Batch No.: 512748

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.4	
75	30.0 - 60.0 % of mass 95	52.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	88.0	
175	5.0 - 9.0 % of mass 174	5.6	(6.4) 1
176	95.0 - 101.0 % of mass 174	88.1	(100.2) 1
177	5.0 - 9.0 % of mass 176	6.8	(7.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-512748/3	T9850.D	01/08/2020	09:15
	CCV 480-512748/4	T9851.D	01/08/2020	09:39
	LCS 480-512748/5	T9852.D	01/08/2020	10:03
	LCSD 480-512748/6	T9853.D	01/08/2020	10:27
	MB 480-512748/8	T9855.D	01/08/2020	11:15
DUP	480-164784-4	T9863.D	01/08/2020	14:37

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Sample No.: ICIS 480-505107/9 Date Analyzed: 11/18/2019 13:55

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S2503.D Heated Purge: (Y/N) N

Calibration ID: 38260

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		225658	5.44	464407	8.44	363908	10.82
UPPER LIMIT		451316	5.94	928814	8.94	727816	11.32
LOWER LIMIT		112829	4.94	232204	7.94	181954	10.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-512458/3		156246	5.44	320927	8.44	276497	10.83
CCVIS 480-512586/3		158135	5.44	324097	8.44	296160	10.83

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Sample No.: CCVIS 480-512458/3 Date Analyzed: 01/06/2020 08:33

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S3699.D Heated Purge: (Y/N) N

Calibration ID: 38263

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		156246	5.44	320927	8.44	276497	10.83
UPPER LIMIT		312492	5.94	641854	8.94	552994	11.33
LOWER LIMIT		78123	4.94	160464	7.94	138249	10.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-512458/4		150005	5.44	318203	8.44	287223	10.82
LCS 480-512458/5		149320	5.44	311931	8.44	281495	10.82
MB 480-512458/8		151981	5.44	317354	8.44	293743	10.83
480-164784-1	RW-1	153374	5.44	320513	8.44	294478	10.83
480-164784-2	RW-2	149127	5.44	309617	8.44	291256	10.82
480-164784-3	RW-3	147577	5.44	298655	8.44	284645	10.82
480-164784-6	TRIP BLANK	141938	5.44	290436	8.44	273237	10.82

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Sample No.: CCVIS 480-512586/3 Date Analyzed: 01/07/2020 08:33

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S3720.D Heated Purge: (Y/N) N

Calibration ID: 38263

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		158135	5.44	324097	8.44	296160	10.83
UPPER LIMIT		316270	5.94	648194	8.94	592320	11.33
LOWER LIMIT		79068	4.94	162049	7.94	148080	10.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-512586/4		153127	5.44	319422	8.44	302550	10.82
LCS 480-512586/5		158893	5.44	322703	8.44	292797	10.83
MB 480-512586/9		147812	5.44	308024	8.44	274149	10.83
480-164784-5	EFFLUENT	147874	5.44	304944	8.44	278403	10.83

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Sample No.: ICIS 480-510334/11 Date Analyzed: 12/17/2019 16:46

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): T9256.D Heated Purge: (Y/N) N

Calibration ID: 38395

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		162172	4.79	592484	7.09	337313	8.96
UPPER LIMIT		324344	5.29	1184968	7.59	674626	9.46
LOWER LIMIT		81086	4.29	296242	6.59	168657	8.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-512748/3		158263	4.79	584625	7.09	326263	8.96

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Sample No.: CCVIS 480-512748/3 Date Analyzed: 01/08/2020 09:15

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): T9850.D Heated Purge: (Y/N) N

Calibration ID: 38398

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		158263	4.79	584625	7.09	326263	8.96
UPPER LIMIT		316526	5.29	1169250	7.59	652526	9.46
LOWER LIMIT		79132	4.29	292313	6.59	163132	8.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-512748/4		156990	4.80	584978	7.09	323631	8.96
LCS 480-512748/5		155381	4.80	586336	7.09	317761	8.96
LCSD 480-512748/6		149385	4.79	558955	7.09	304147	8.96
MB 480-512748/8		153959	4.79	581919	7.09	320055	8.96
480-164784-4	DUP	151822	4.79	572078	7.09	325460	8.96

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: RW-1 Lab Sample ID: 480-164784-1

Matrix: Water Lab File ID: S3707.D

Analysis Method: 8260C Date Collected: 01/03/2020 10:15

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2020 13:29

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512458 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		20	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
75-34-3	1,1-Dichloroethane	ND		20	7.6
75-35-4	1,1-Dichloroethene	ND		20	5.8
120-82-1	1,2,4-Trichlorobenzene	ND		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
95-50-1	1,2-Dichlorobenzene	ND		20	16
107-06-2	1,2-Dichloroethane	ND		20	4.2
78-87-5	1,2-Dichloropropane	ND		20	14
541-73-1	1,3-Dichlorobenzene	ND		20	16
106-46-7	1,4-Dichlorobenzene	ND		20	17
78-93-3	2-Butanone (MEK)	140	J	200	26
591-78-6	2-Hexanone	ND		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	42
67-64-1	Acetone	390		200	60
71-43-2	Benzene	ND		20	8.2
75-27-4	Bromodichloromethane	ND		20	7.8
75-25-2	Bromoform	ND		20	5.2
74-83-9	Bromomethane	ND		20	14
75-15-0	Carbon disulfide	ND		20	3.8
56-23-5	Carbon tetrachloride	ND		20	5.4
108-90-7	Chlorobenzene	ND		20	15
124-48-1	Dibromochloromethane	ND		20	6.4
75-00-3	Chloroethane	ND		20	6.4
67-66-3	Chloroform	ND		20	6.8
74-87-3	Chloromethane	ND		20	7.0
156-59-2	cis-1,2-Dichloroethene	ND		20	16
10061-01-5	cis-1,3-Dichloropropene	ND		20	7.2
110-82-7	Cyclohexane	ND		20	3.6
75-71-8	Dichlorodifluoromethane	ND		20	14
100-41-4	Ethylbenzene	ND		20	15
106-93-4	1,2-Dibromoethane	ND		20	15
98-82-8	Isopropylbenzene	ND		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: RW-1 Lab Sample ID: 480-164784-1

Matrix: Water Lab File ID: S3707.D

Analysis Method: 8260C Date Collected: 01/03/2020 10:15

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2020 13:29

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512458 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		50	26
1634-04-4	Methyl tert-butyl ether	ND		20	3.2
108-87-2	Methylcyclohexane	ND		20	3.2
75-09-2	Methylene Chloride	ND		20	8.8
100-42-5	Styrene	ND		20	15
127-18-4	Tetrachloroethene	ND		20	7.2
108-88-3	Toluene	ND		20	10
156-60-5	trans-1,2-Dichloroethene	ND		20	18
10061-02-6	trans-1,3-Dichloropropene	ND		20	7.4
79-01-6	Trichloroethene	ND		20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	ND		20	18
1330-20-7	Xylenes, Total	ND		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3707.D
Lims ID: 480-164784-A-1
Client ID: RW-1
Sample Type: Client
Inject. Date: 06-Jan-2020 13:29:30 ALS Bottle#: 1 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-164784-A-1
Misc. Info.: 480-0087323-010
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Jan-2020 08:39:24 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 07-Jan-2020 08:39:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	153374	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	86	320513	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.827	10.821	0.006	95	294478	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.865	4.859	0.006	54	182546	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	91	128286	25.2	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.001	94	751222	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	86	231912	27.7	
10 Dichlorodifluoromethane	85		1.257				ND	
12 Chloromethane	50		1.434				ND	
13 Vinyl chloride	62		1.531				ND	Ua
14 Bromomethane	94		1.829				ND	
15 Chloroethane	64		1.927				ND	
17 Trichlorofluoromethane	101		2.146				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.657				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43	2.778	2.778	0.000	93	71962	19.5	
26 Carbon disulfide	76		2.851				ND	U
27 Methyl acetate	43		3.076				ND	
30 Methylene Chloride	84		3.180				ND	Ua
32 Methyl tert-butyl ether	73		3.387				ND	
34 trans-1,2-Dichloroethene	96		3.405				ND	
39 1,1-Dichloroethane	63		3.831				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	Ua
43 2-Butanone (MEK)	43	4.427	4.421	0.006	96	40093	7.10	
50 Chloroform	83		4.701				ND	
51 1,1,1-Trichloroethane	97		4.816				ND	
52 Cyclohexane	56		4.816				ND	
55 Carbon tetrachloride	117		4.944				ND	
57 Benzene	78		5.169				ND	
58 1,2-Dichloroethane	62		5.242				ND	
62 Trichloroethene	95		5.777				ND	Ua

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.893				ND	
65 1,2-Dichloropropane	63		6.021				ND	
68 Dichlorobromomethane	83		6.319				ND	
72 cis-1,3-Dichloropropene	75		6.733				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.879				ND	
74 Toluene	92		7.019				ND	
77 trans-1,3-Dichloropropene	75		7.304				ND	
79 1,1,2-Trichloroethane	83		7.493				ND	
81 Tetrachloroethene	166		7.548				ND	Ua
80 2-Hexanone	43		7.718				ND	
83 Chlorodibromomethane	129		7.888				ND	
84 Ethylene Dibromide	107		7.992				ND	
87 Chlorobenzene	112		8.466				ND	
88 Ethylbenzene	91		8.558				ND	
90 m-Xylene & p-Xylene	106		8.679				ND	
91 o-Xylene	106		9.105				ND	
92 Styrene	104		9.136				ND	
95 Bromoform	173		9.391				ND	
94 Isopropylbenzene	105		9.488				ND	
97 1,1,2,2-Tetrachloroethane	83		9.902				ND	
111 1,3-Dichlorobenzene	146		10.760				ND	
113 1,4-Dichlorobenzene	146		10.845				ND	
116 1,2-Dichlorobenzene	146		11.198				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.928				ND	
119 1,2,4-Trichlorobenzene	180		12.597				ND	Ua
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

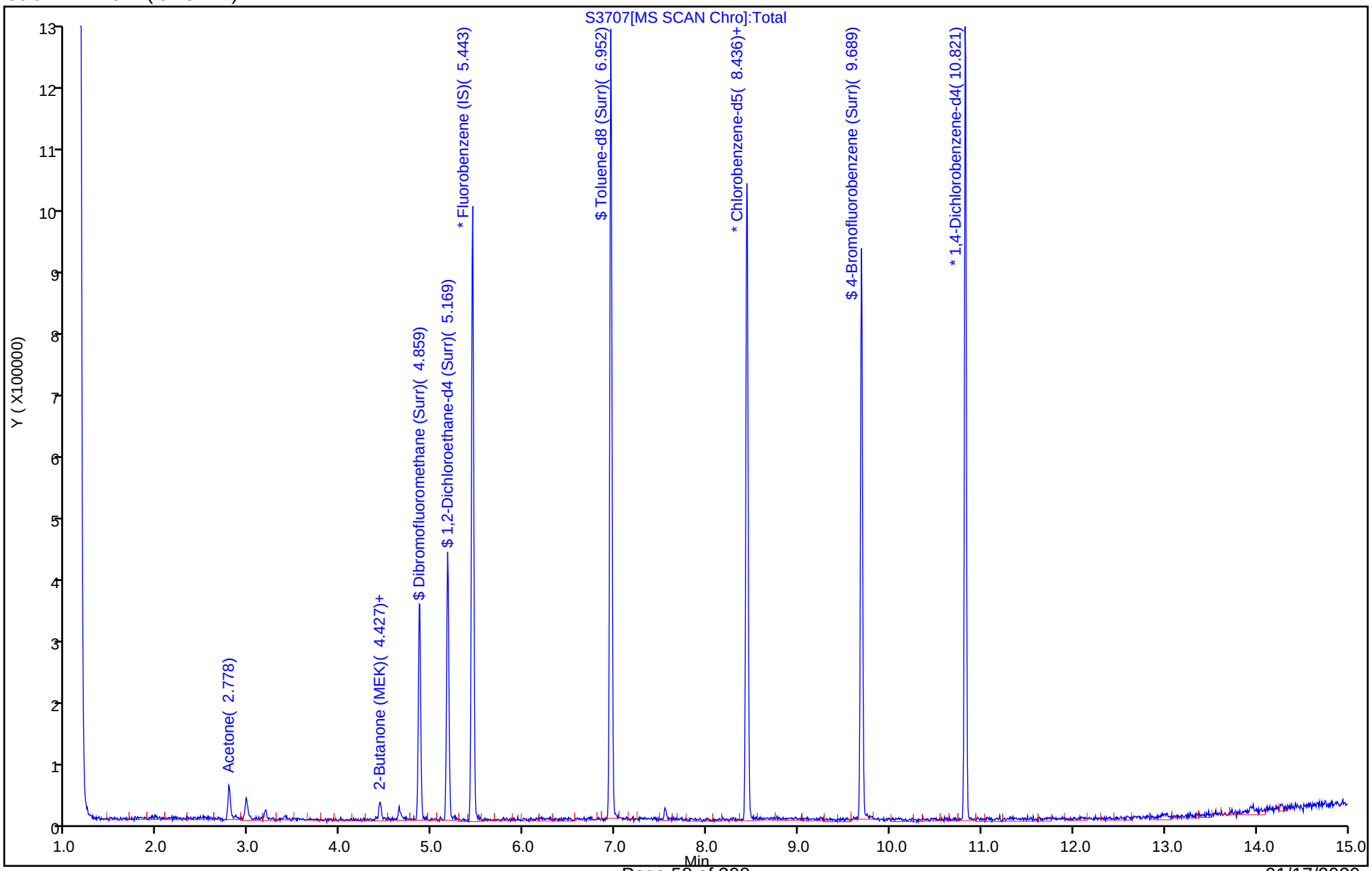
Report Date: 07-Jan-2020 08:39:24 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3707.D

Injection Date:	06-Jan-2020 13:29:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-164784-A-1	Lab Sample ID:	480-164784-1	Worklist Smp#:	10
Client ID:	RW-1				
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	1
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

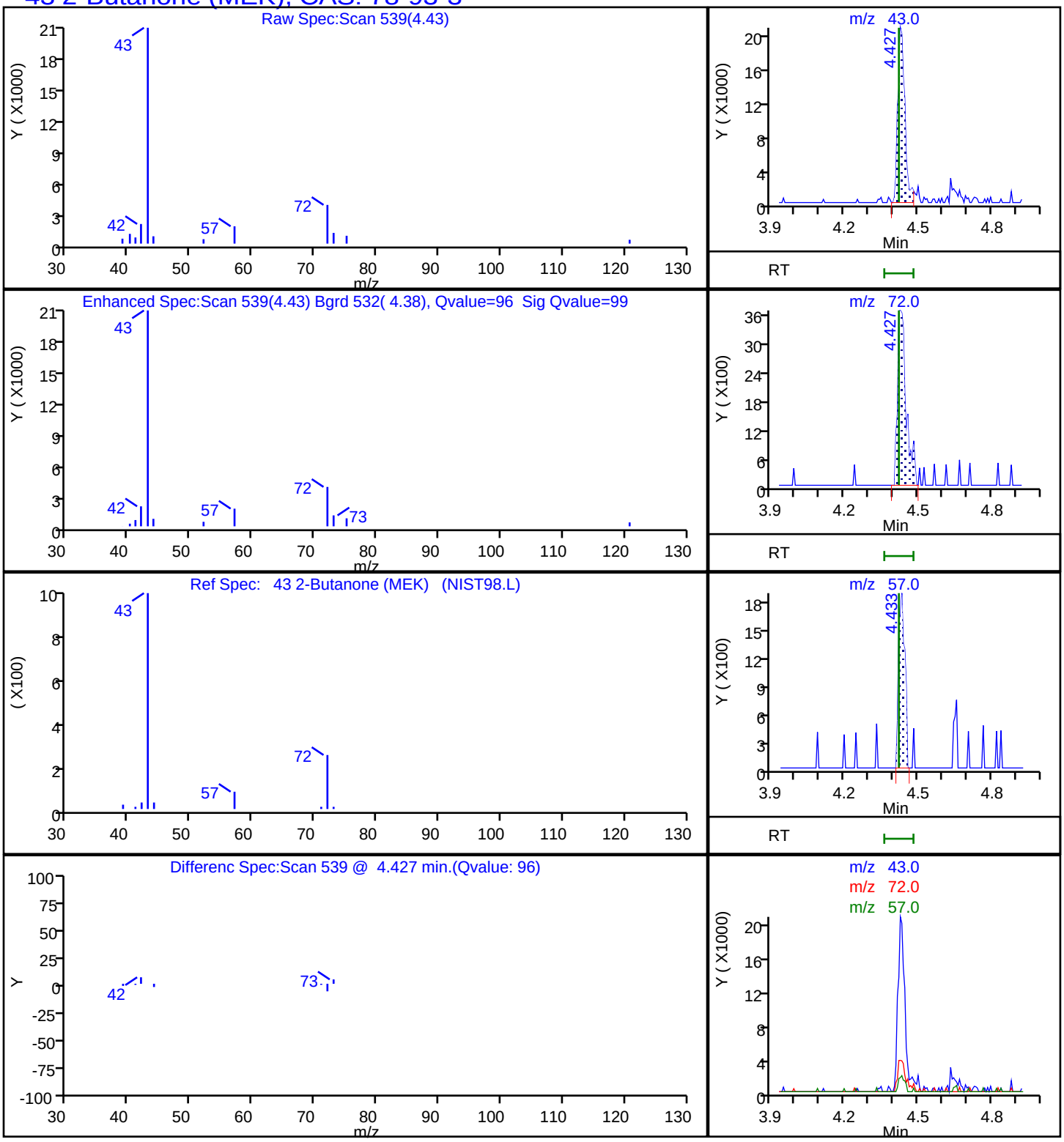
Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3707.D				
Injection Date:	06-Jan-2020 13:29:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-A-1	Lab Sample ID:	480-164784-1		
Client ID:	RW-1				
Operator ID:	AM	ALS Bottle#:	1	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

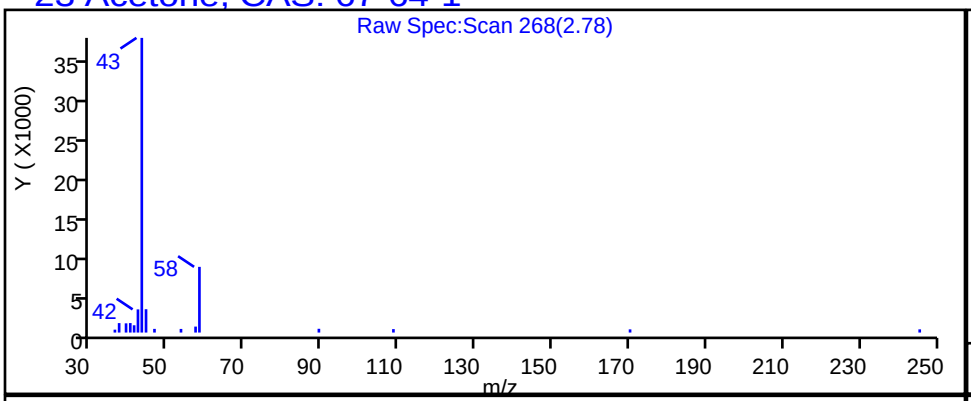
43 2-Butanone (MEK), CAS: 78-93-3

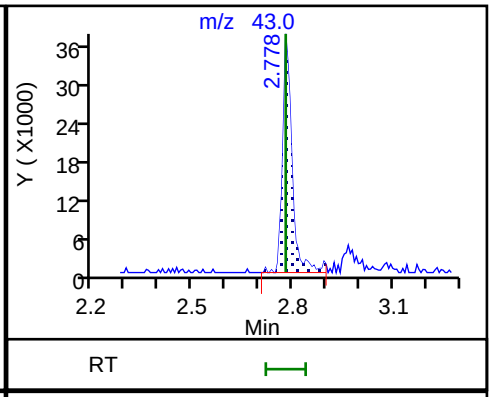


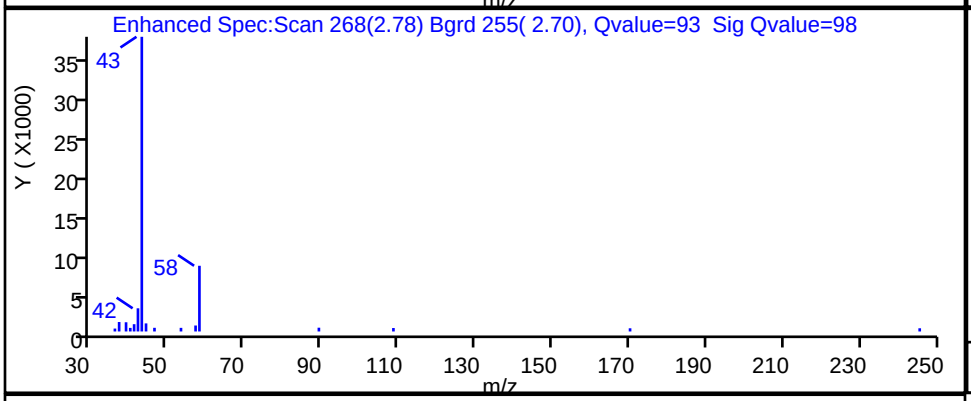
Eurofins TestAmerica, Buffalo

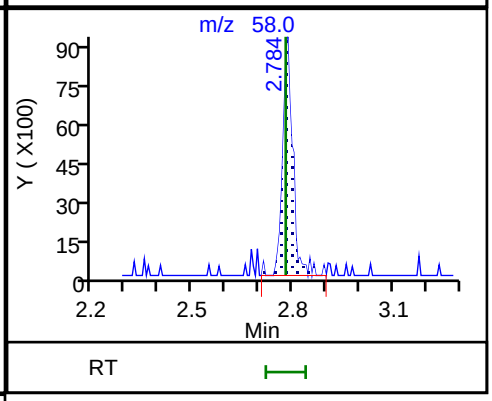
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3707.D				
Injection Date:	06-Jan-2020 13:29:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-A-1	Lab Sample ID:	480-164784-1		
Client ID:	RW-1				
Operator ID:	AM	ALS Bottle#:	1	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

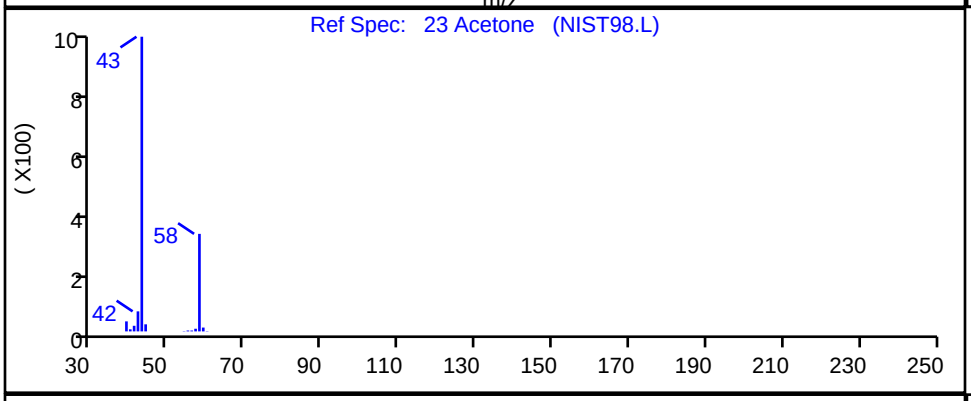
23 Acetone, CAS: 67-64-1

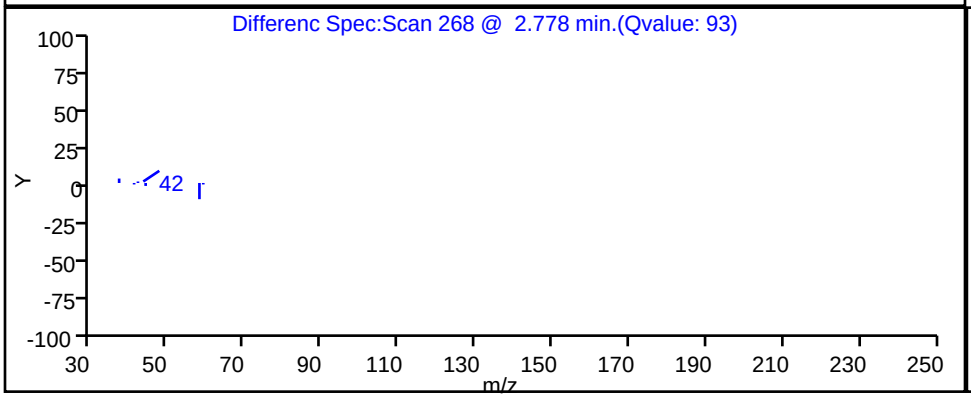


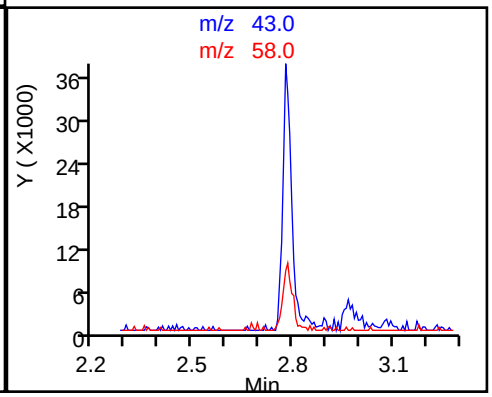












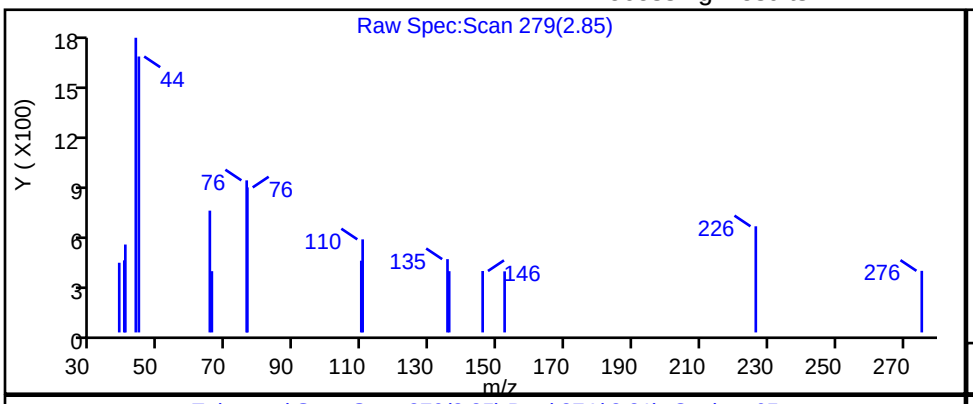
User Disabled Compound Report

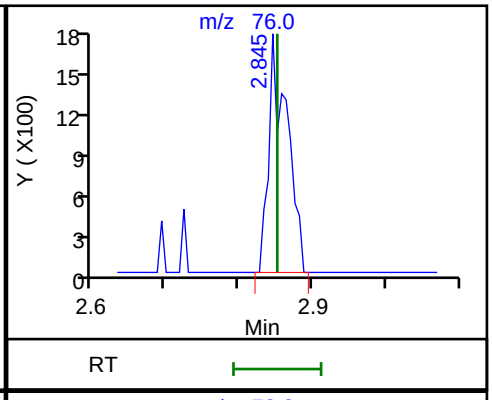
Eurofins TestAmerica, Buffalo

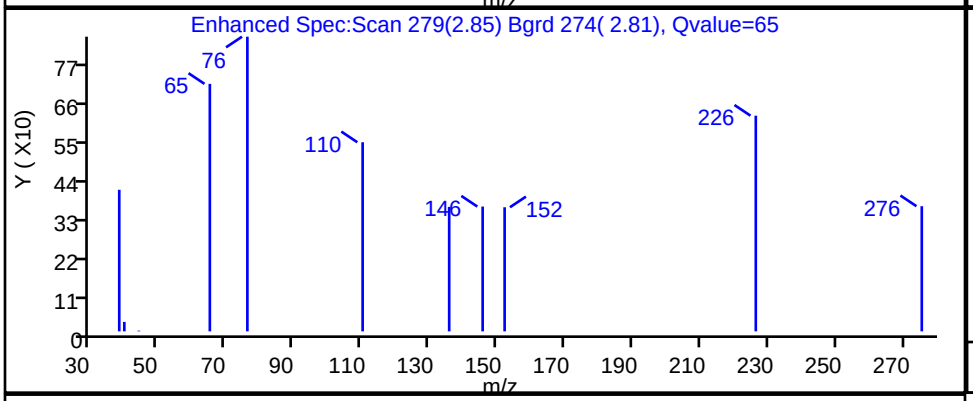
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3707.D				
Injection Date:	06-Jan-2020 13:29:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-A-1	Lab Sample ID:	480-164784-1		
Client ID:	RW-1				
Operator ID:	AM	ALS Bottle#:	1	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

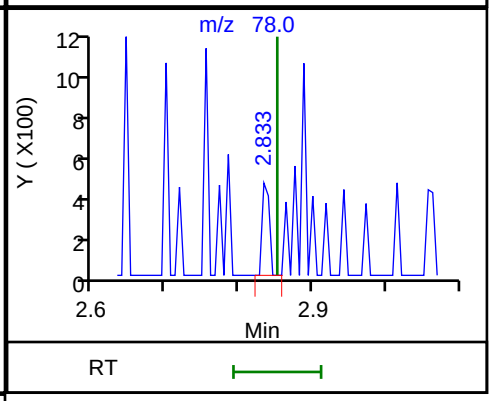
26 Carbon disulfide, CAS: 75-15-0

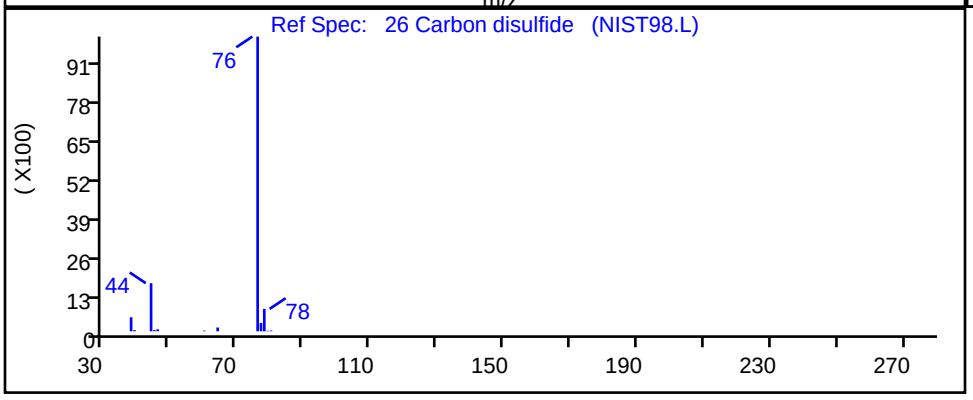
Processing Results











RT	Mass	Response	Amount
2.85	76.00	3020	0.129931
2.83	78.00	308	

Reviewer: lapointec, 07-Jan-2020 08:37:19

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: RW-2 Lab Sample ID: 480-164784-2

Matrix: Water Lab File ID: S3708.D

Analysis Method: 8260C Date Collected: 01/03/2020 10:10

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2020 13:52

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512458 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
75-34-3	1,1-Dichloroethane	ND		5.0	1.9
75-35-4	1,1-Dichloroethene	ND		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.0
95-50-1	1,2-Dichlorobenzene	ND		5.0	4.0
107-06-2	1,2-Dichloroethane	ND		5.0	1.1
78-87-5	1,2-Dichloropropane	ND		5.0	3.6
541-73-1	1,3-Dichlorobenzene	ND		5.0	3.9
106-46-7	1,4-Dichlorobenzene	ND		5.0	4.2
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		5.0	2.0
75-25-2	Bromoform	ND		5.0	1.3
74-83-9	Bromomethane	ND		5.0	3.5
75-15-0	Carbon disulfide	ND		5.0	0.95
56-23-5	Carbon tetrachloride	ND		5.0	1.4
108-90-7	Chlorobenzene	ND		5.0	3.8
124-48-1	Dibromochloromethane	ND		5.0	1.6
75-00-3	Chloroethane	ND		5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	7.9		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4
100-41-4	Ethylbenzene	ND		5.0	3.7
106-93-4	1,2-Dibromoethane	ND		5.0	3.7
98-82-8	Isopropylbenzene	ND		5.0	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: RW-2 Lab Sample ID: 480-164784-2

Matrix: Water Lab File ID: S3708.D

Analysis Method: 8260C Date Collected: 01/03/2020 10:10

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2020 13:52

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512458 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		13	6.5
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.80
108-87-2	Methylcyclohexane	ND		5.0	0.80
75-09-2	Methylene Chloride	ND		5.0	2.2
100-42-5	Styrene	ND		5.0	3.7
127-18-4	Tetrachloroethene	200		5.0	1.8
108-88-3	Toluene	ND		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	ND		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	1.9
79-01-6	Trichloroethene	4.8	J	5.0	2.3
75-69-4	Trichlorofluoromethane	ND		5.0	4.4
75-01-4	Vinyl chloride	ND		5.0	4.5
1330-20-7	Xylenes, Total	ND		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	116		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3708.D
Lims ID: 480-164784-A-2
Client ID: RW-2
Sample Type: Client
Inject. Date: 06-Jan-2020 13:52:30 ALS Bottle#: 2 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 480-164784-A-2
Misc. Info.: 480-0087323-011
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Jan-2020 08:42:12 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 07-Jan-2020 08:42:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	149127	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	88	309617	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.821	10.821	0.000	96	291256	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	58	177269	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	92	125799	25.4	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.001	94	734233	25.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	87	234377	29.0	
10 Dichlorodifluoromethane	85		1.257				ND	
12 Chloromethane	50		1.434				ND	U
13 Vinyl chloride	62		1.531				ND	
14 Bromomethane	94		1.829				ND	
15 Chloroethane	64		1.927				ND	
17 Trichlorofluoromethane	101		2.146				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.657				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.778				ND	Ua
26 Carbon disulfide	76		2.851				ND	
27 Methyl acetate	43		3.076				ND	
30 Methylene Chloride	84		3.180				ND	
32 Methyl tert-butyl ether	73		3.387				ND	
34 trans-1,2-Dichloroethene	96		3.405				ND	
39 1,1-Dichloroethane	63		3.831				ND	
45 cis-1,2-Dichloroethene	96	4.390	4.386	0.006	42	13550	1.58	
43 2-Butanone (MEK)	43		4.421				ND	
50 Chloroform	83		4.701				ND	Ua
51 1,1,1-Trichloroethane	97		4.816				ND	
52 Cyclohexane	56		4.816				ND	
55 Carbon tetrachloride	117		4.944				ND	
57 Benzene	78		5.169				ND	
58 1,2-Dichloroethane	62		5.242				ND	
62 Trichloroethene	95	5.777	5.784	0.000	60	7905	0.9533	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.893				ND	
65 1,2-Dichloropropane	63		6.021				ND	
68 Dichlorobromomethane	83		6.319				ND	
72 cis-1,3-Dichloropropene	75		6.733				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.879				ND	
74 Toluene	92		7.019				ND	
77 trans-1,3-Dichloropropene	75		7.304				ND	
79 1,1,2-Trichloroethane	83		7.493				ND	
81 Tetrachloroethene	166	7.548	7.554	0.000	90	323229	40.0	
80 2-Hexanone	43		7.718				ND	
83 Chlorodibromomethane	129		7.888				ND	
84 Ethylene Dibromide	107		7.992				ND	
87 Chlorobenzene	112		8.466				ND	
88 Ethylbenzene	91		8.558				ND	
90 m-Xylene & p-Xylene	106		8.679				ND	
91 o-Xylene	106		9.105				ND	
92 Styrene	104		9.136				ND	
95 Bromoform	173		9.391				ND	
94 Isopropylbenzene	105		9.488				ND	
97 1,1,2,2-Tetrachloroethane	83		9.902				ND	
111 1,3-Dichlorobenzene	146		10.760				ND	
113 1,4-Dichlorobenzene	146		10.845				ND	
116 1,2-Dichlorobenzene	146		11.198				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.928				ND	
119 1,2,4-Trichlorobenzene	180		12.597				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

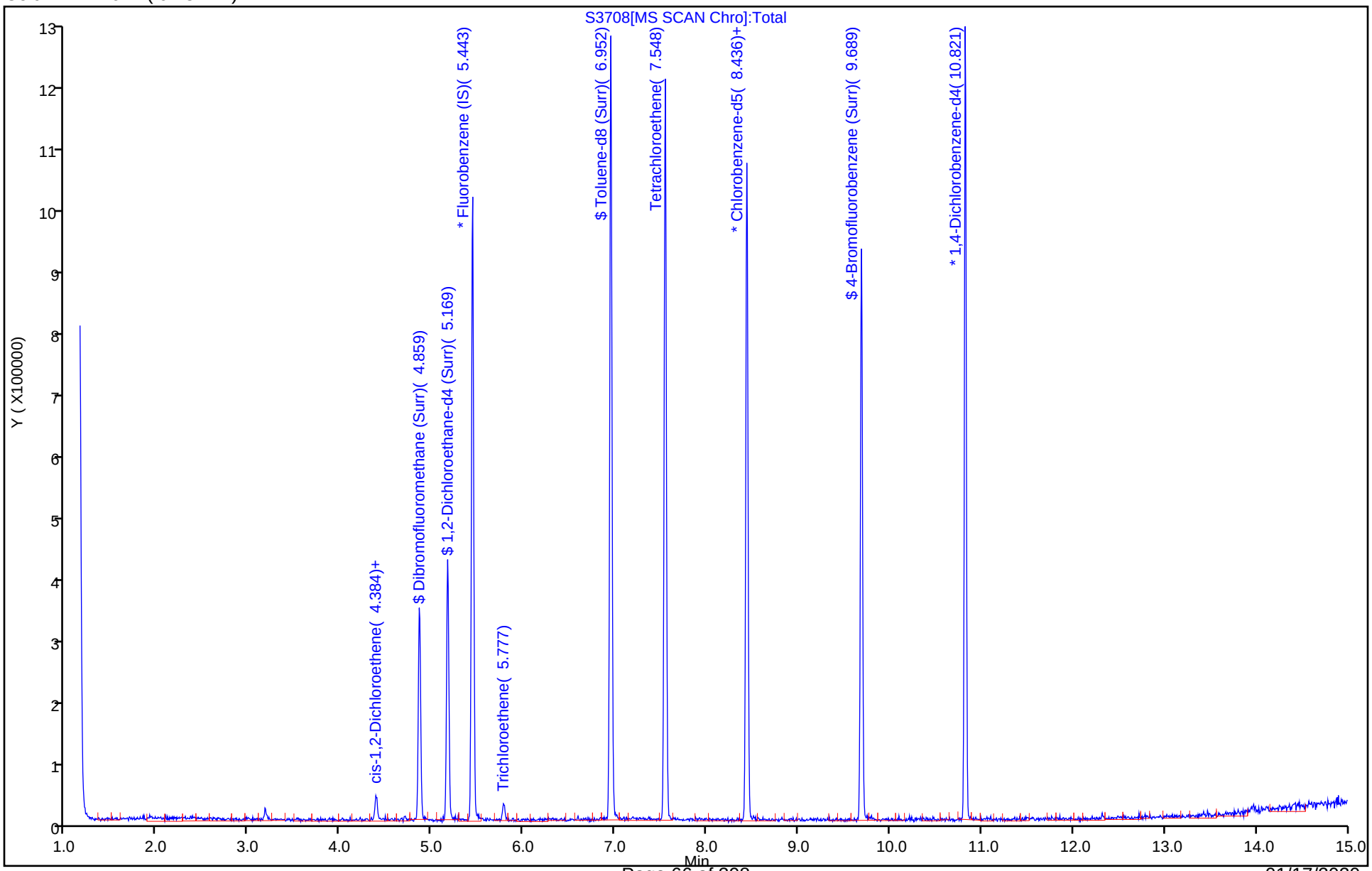
Report Date: 07-Jan-2020 08:42:13 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3708.D

Injection Date:	06-Jan-2020 13:52:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-164784-A-2	Lab Sample ID:	480-164784-2	Worklist Smp#:	11
Client ID:	RW-2				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

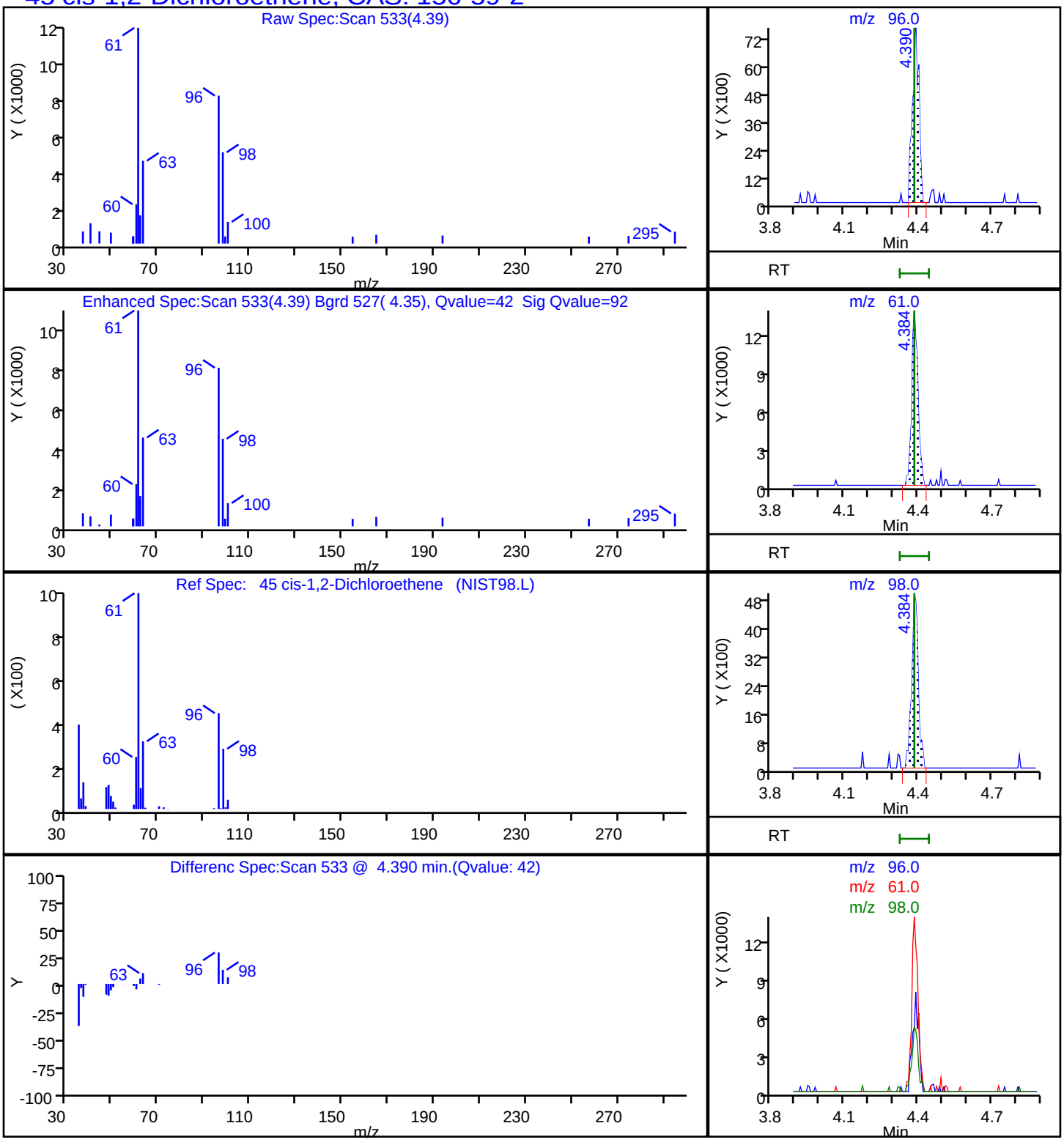
Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3708.D				
Injection Date:	06-Jan-2020 13:52:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-A-2	Lab Sample ID:	480-164784-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	2	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

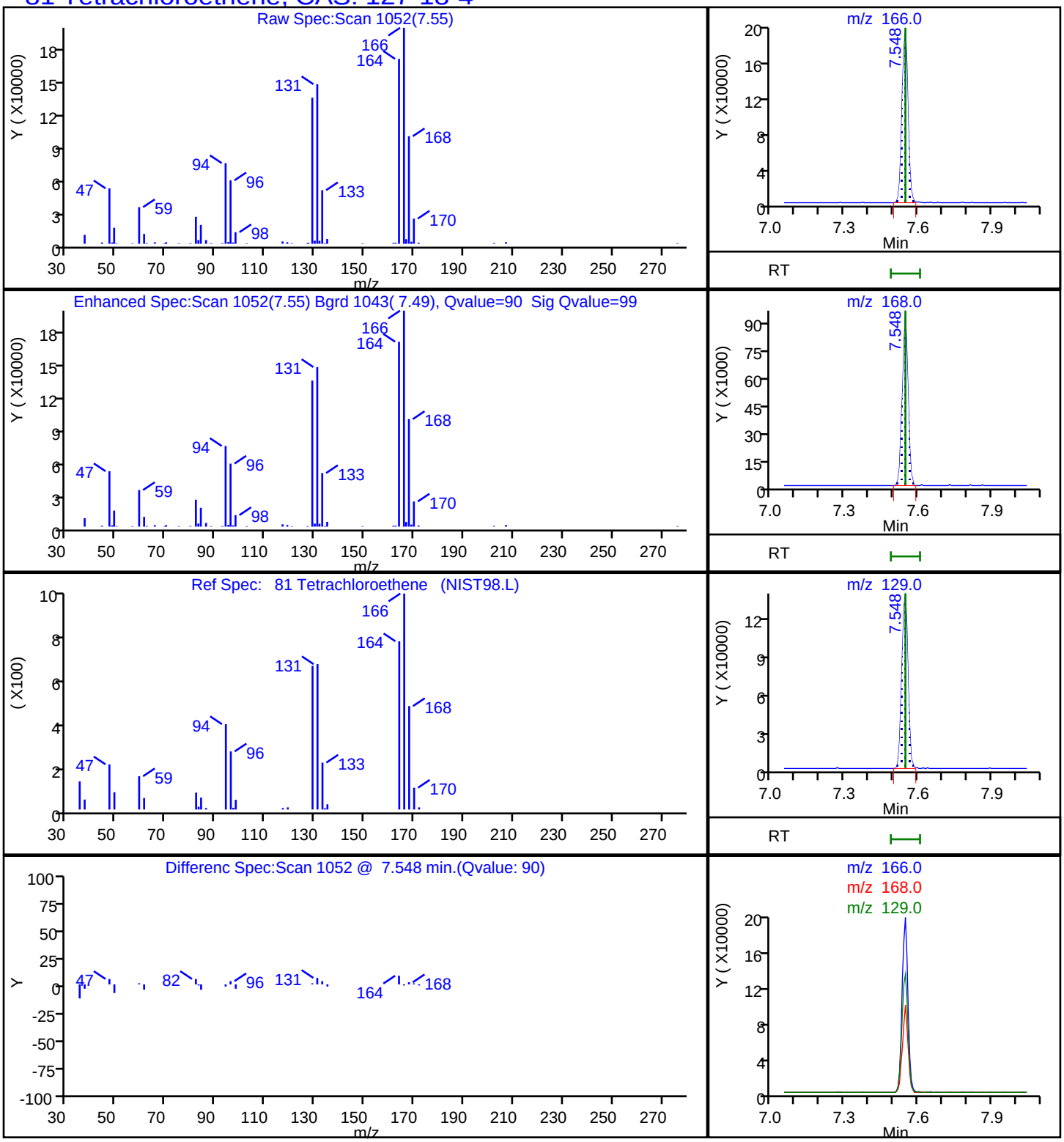
45 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3708.D				
Injection Date:	06-Jan-2020 13:52:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-A-2	Lab Sample ID:	480-164784-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	2	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

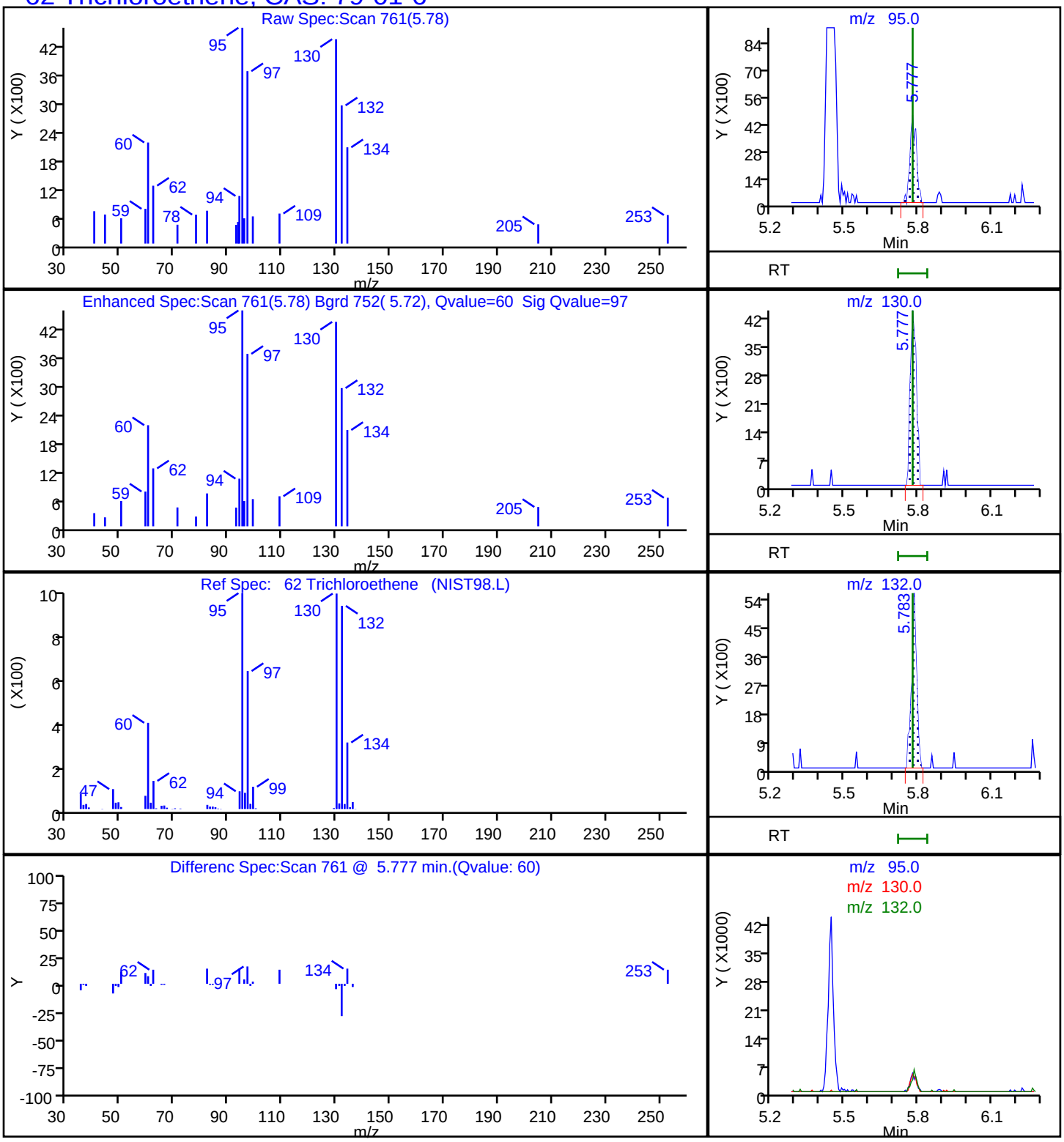
81 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3708.D				
Injection Date:	06-Jan-2020 13:52:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-A-2	Lab Sample ID:	480-164784-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	2	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



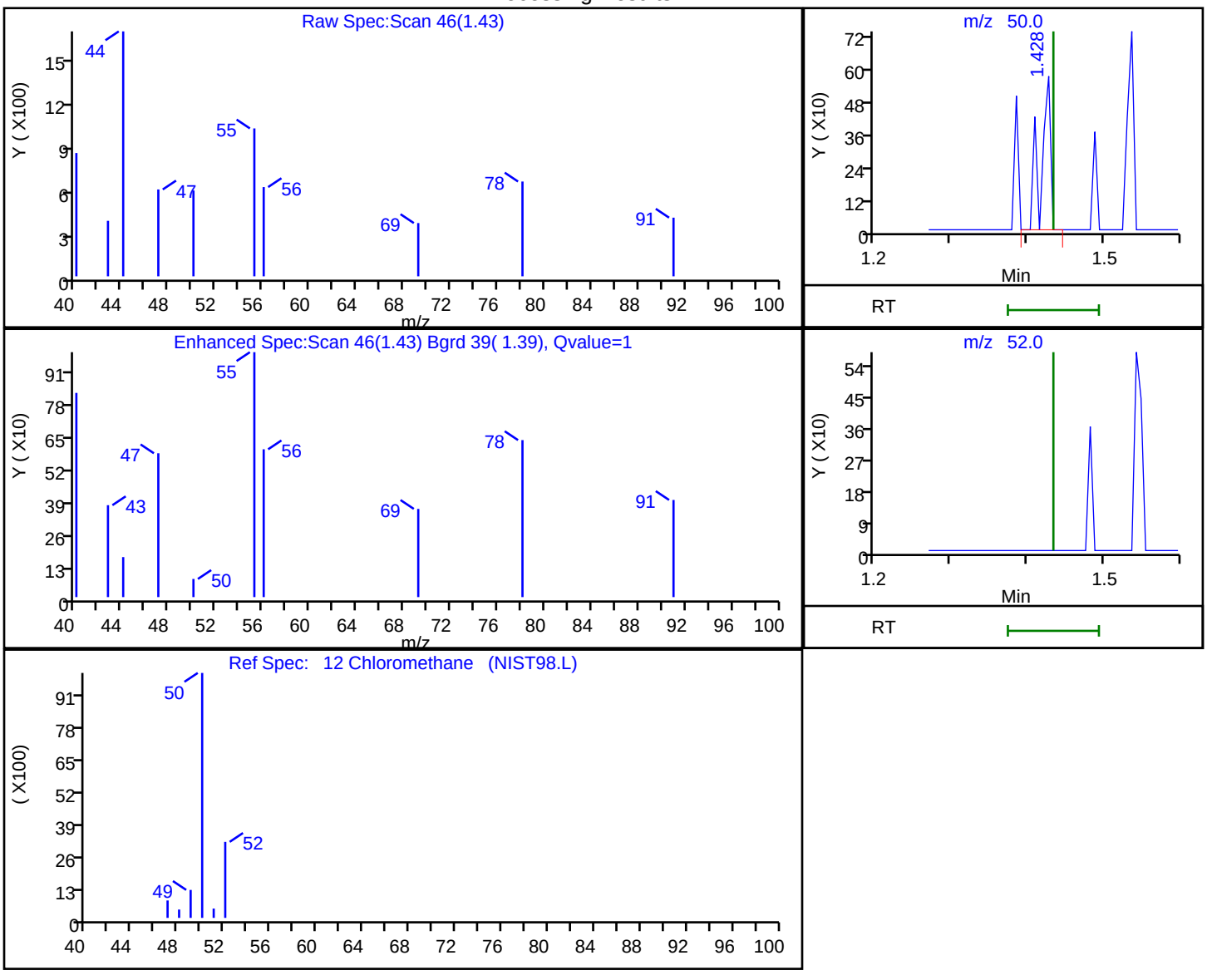
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3708.D				
Injection Date:	06-Jan-2020 13:52:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-A-2	Lab Sample ID:	480-164784-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	2	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.43	50.00	497	0.044396
1.43	52.00	0	

Reviewer: lapointec, 07-Jan-2020 08:39:52

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: RW-3 Lab Sample ID: 480-164784-3

Matrix: Water Lab File ID: S3709.D

Analysis Method: 8260C Date Collected: 01/03/2020 10:05

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2020 14:15

Soil Aliquot Vol: Dilution Factor: 4

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512458 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	7.3		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: RW-3 Lab Sample ID: 480-164784-3

Matrix: Water Lab File ID: S3709.D

Analysis Method: 8260C Date Collected: 01/03/2020 10:05

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2020 14:15

Soil Aliquot Vol: Dilution Factor: 4

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512458 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	240		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	2.5	J	4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	116		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3709.D
Lims ID: 480-164784-A-3
Client ID: RW-3
Sample Type: Client
Inject. Date: 06-Jan-2020 14:15:30 ALS Bottle#: 3 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-164784-A-3
Misc. Info.: 480-0087323-012
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Jan-2020 08:45:05 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 07-Jan-2020 08:45:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	147577	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	88	298655	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.821	10.821	0.000	96	284645	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	70	176519	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	90	127064	25.9	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.001	94	720494	25.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	87	226284	29.0	
10 Dichlorodifluoromethane	85		1.257				ND	
12 Chloromethane	50		1.434				ND	
13 Vinyl chloride	62		1.531				ND	
14 Bromomethane	94		1.829				ND	
15 Chloroethane	64		1.927				ND	
17 Trichlorofluoromethane	101		2.146				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.657				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.778				ND	Ua
26 Carbon disulfide	76		2.851				ND	U
27 Methyl acetate	43		3.076				ND	
30 Methylene Chloride	84		3.180				ND	
32 Methyl tert-butyl ether	73		3.387				ND	
34 trans-1,2-Dichloroethene	96		3.405				ND	
39 1,1-Dichloroethane	63		3.831				ND	
45 cis-1,2-Dichloroethene	96	4.390	4.386	0.006	42	15500	1.83	
43 2-Butanone (MEK)	43		4.421				ND	
50 Chloroform	83	4.707	4.695	0.006	15	3051	0.2013	
51 1,1,1-Trichloroethane	97		4.816				ND	
52 Cyclohexane	56		4.816				ND	
55 Carbon tetrachloride	117		4.944				ND	
57 Benzene	78		5.169				ND	
58 1,2-Dichloroethane	62		5.242				ND	Ua
62 Trichloroethene	95	5.784	5.784	0.007	63	5088	0.6201	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.893				ND	
65 1,2-Dichloropropane	63		6.021				ND	
68 Dichlorobromomethane	83		6.319				ND	
72 cis-1,3-Dichloropropene	75		6.733				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.879				ND	
74 Toluene	92		7.019				ND	
77 trans-1,3-Dichloropropene	75		7.304				ND	
79 1,1,2-Trichloroethane	83		7.493				ND	
81 Tetrachloroethene	166	7.548	7.554	0.000	92	459611	58.9	
80 2-Hexanone	43		7.718				ND	
83 Chlorodibromomethane	129		7.888				ND	
84 Ethylene Dibromide	107		7.992				ND	
87 Chlorobenzene	112		8.466				ND	
88 Ethylbenzene	91		8.558				ND	
90 m-Xylene & p-Xylene	106		8.679				ND	
91 o-Xylene	106		9.105				ND	
92 Styrene	104		9.136				ND	
95 Bromoform	173		9.391				ND	
94 Isopropylbenzene	105		9.488				ND	
97 1,1,2,2-Tetrachloroethane	83		9.902				ND	
111 1,3-Dichlorobenzene	146		10.760				ND	
113 1,4-Dichlorobenzene	146		10.845				ND	
116 1,2-Dichlorobenzene	146		11.198				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.928				ND	
119 1,2,4-Trichlorobenzene	180		12.597				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

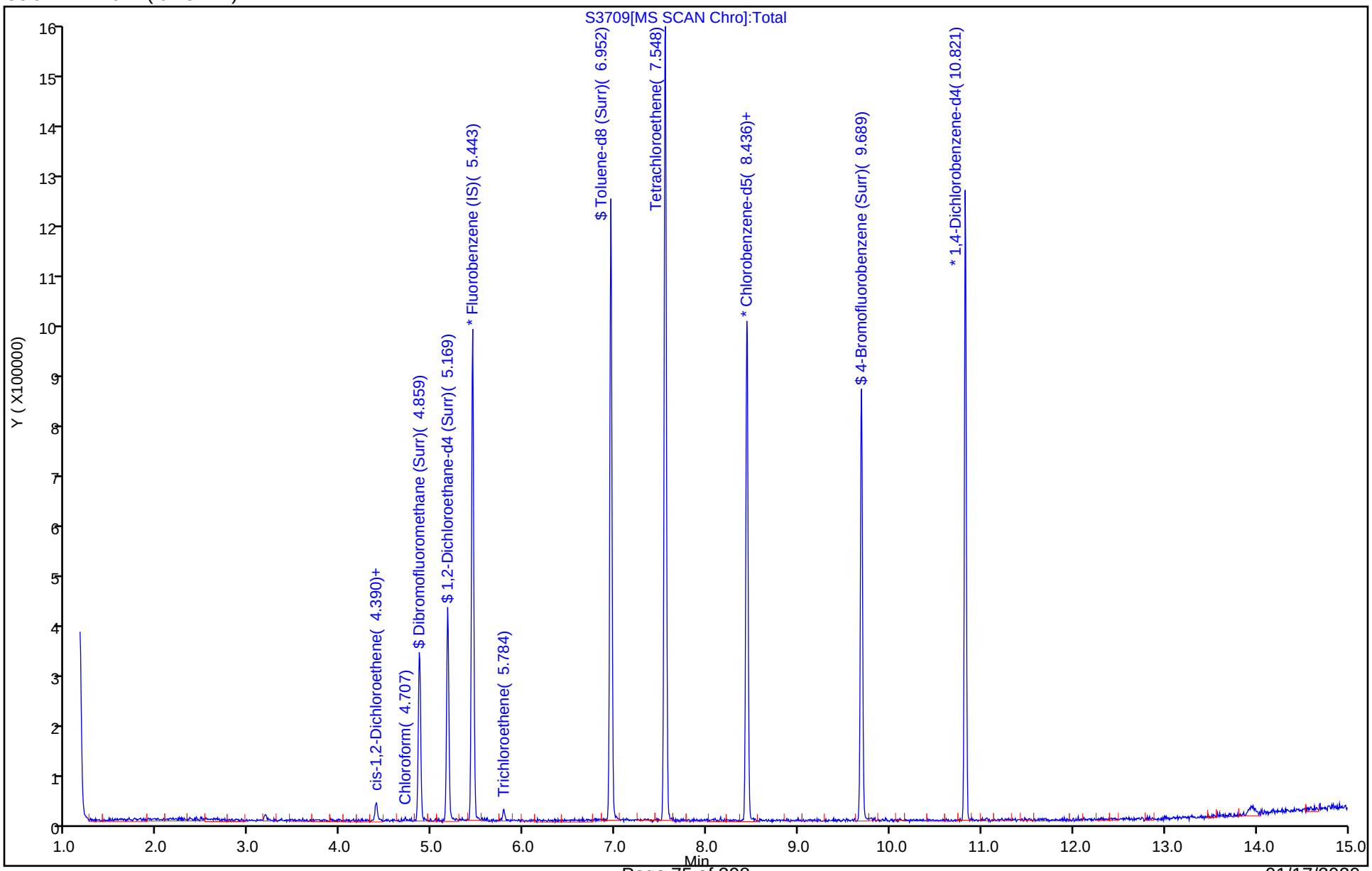
Report Date: 07-Jan-2020 08:45:06 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3709.D

Injection Date:	06-Jan-2020 14:15:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-164784-A-3	Lab Sample ID:	480-164784-3	Worklist Smp#:	12
Client ID:	RW-3				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

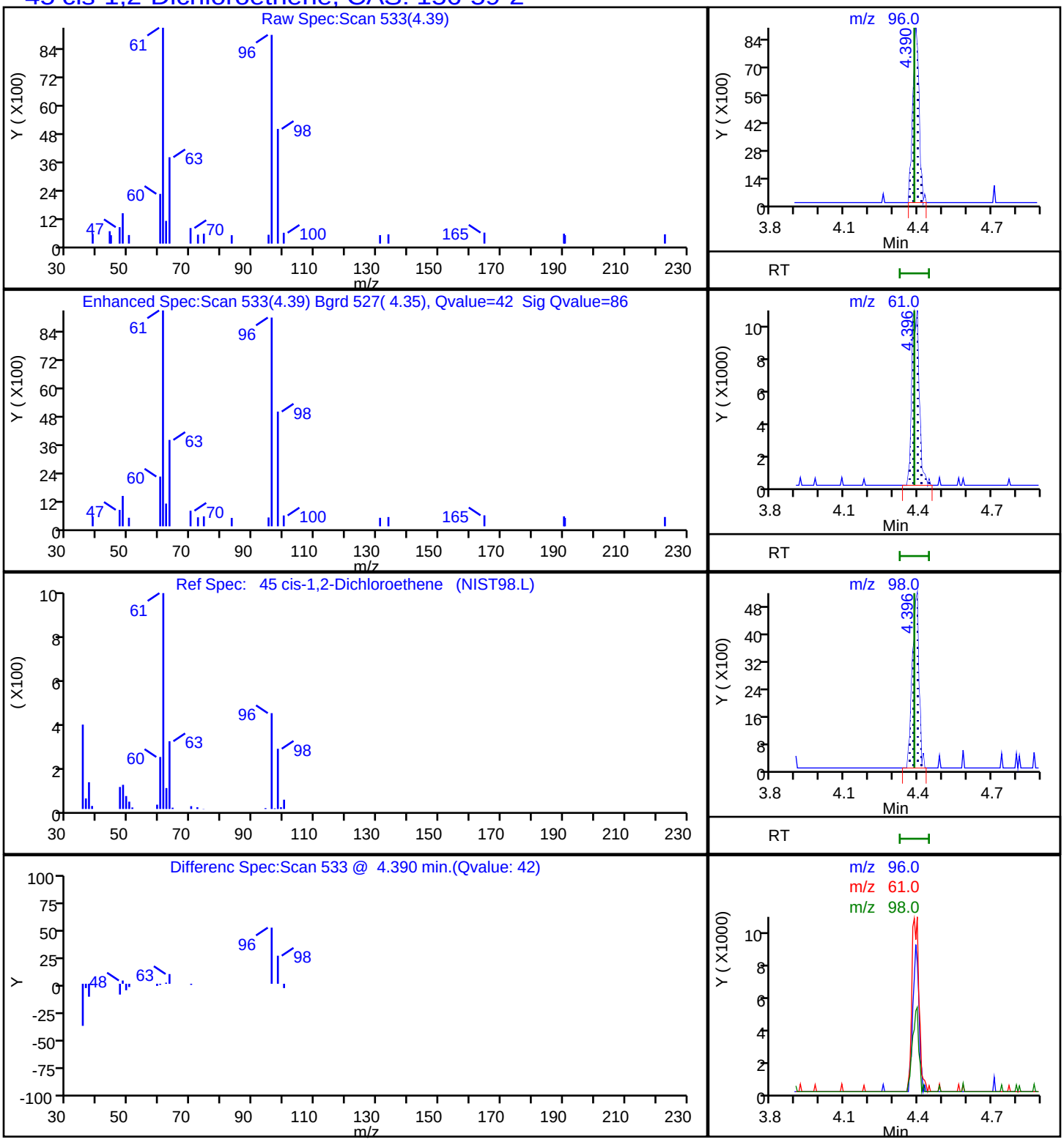
Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3709.D				
Injection Date:	06-Jan-2020 14:15:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-A-3	Lab Sample ID:	480-164784-3		
Client ID:	RW-3				
Operator ID:	AM	ALS Bottle#:	3	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

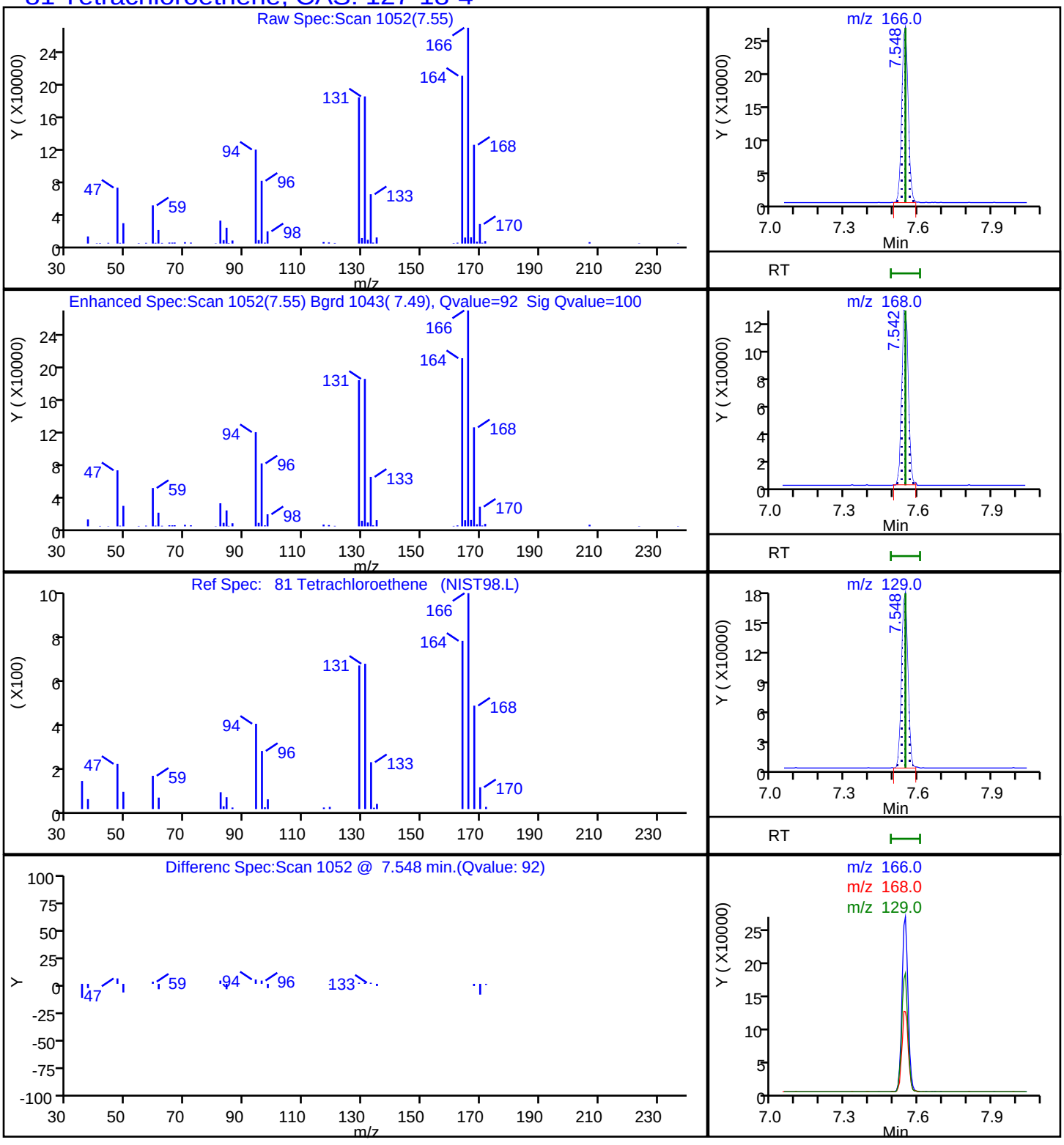
45 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3709.D		
Injection Date:	06-Jan-2020 14:15:30	Instrument ID:	HP5973S
Lims ID:	480-164784-A-3	Lab Sample ID:	480-164784-3
Client ID:	RW-3		
Operator ID:	AM	ALS Bottle#:	3 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

81 Tetrachloroethene, CAS: 127-18-4

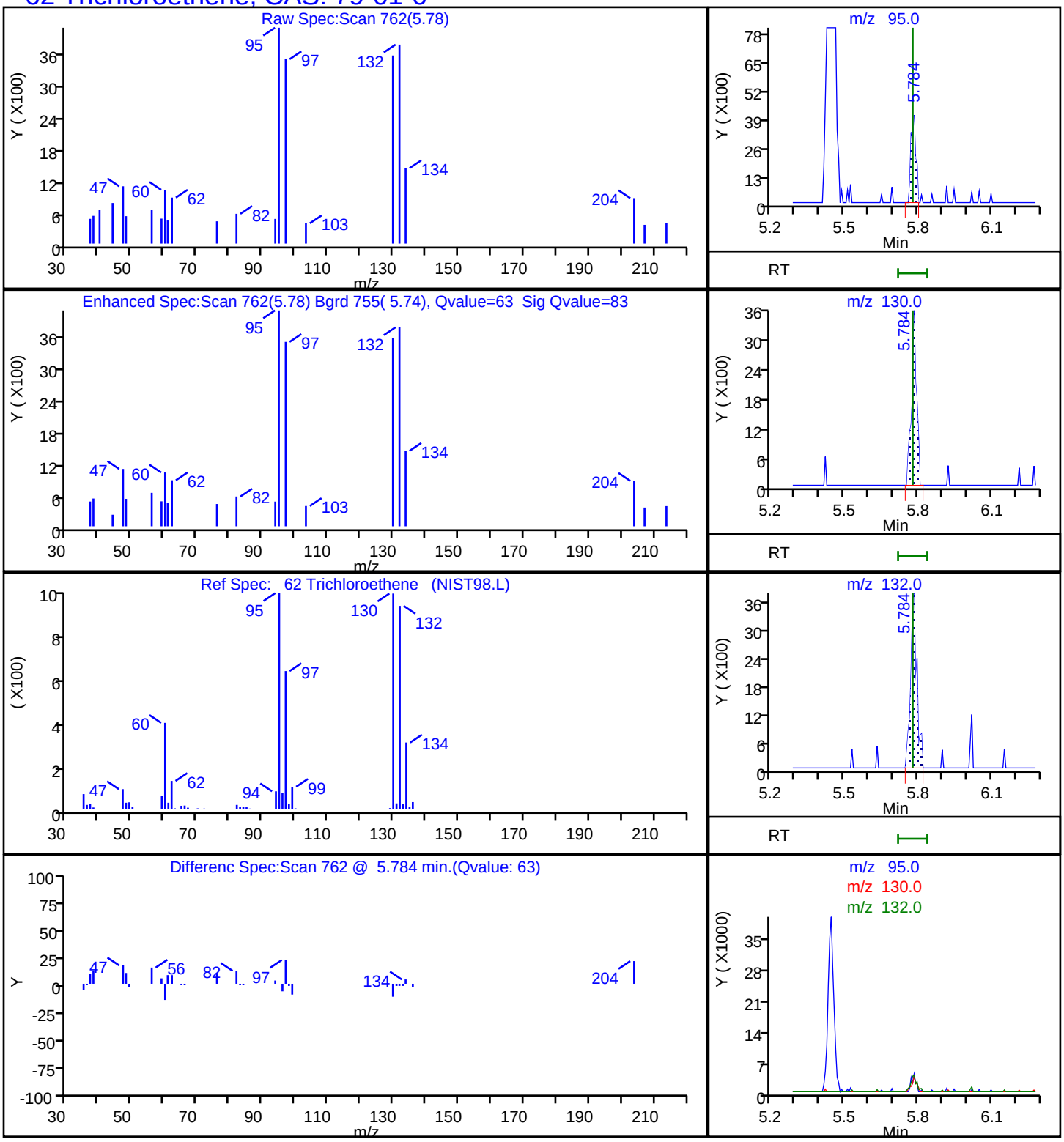


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3709.D

Injection Date:	06-Jan-2020 14:15:30	Instrument ID:	HP5973S
Lims ID:	480-164784-A-3	Lab Sample ID:	480-164784-3
Client ID:	RW-3		
Operator ID:	AM	ALS Bottle#:	3 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6



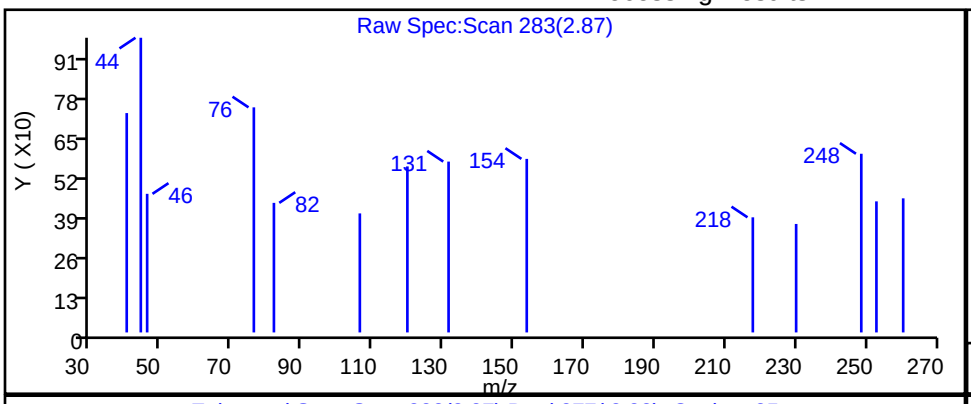
User Disabled Compound Report

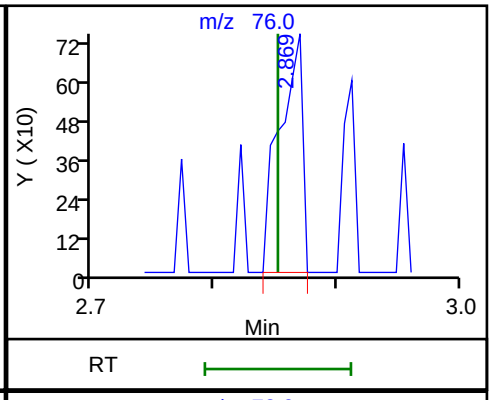
Eurofins TestAmerica, Buffalo

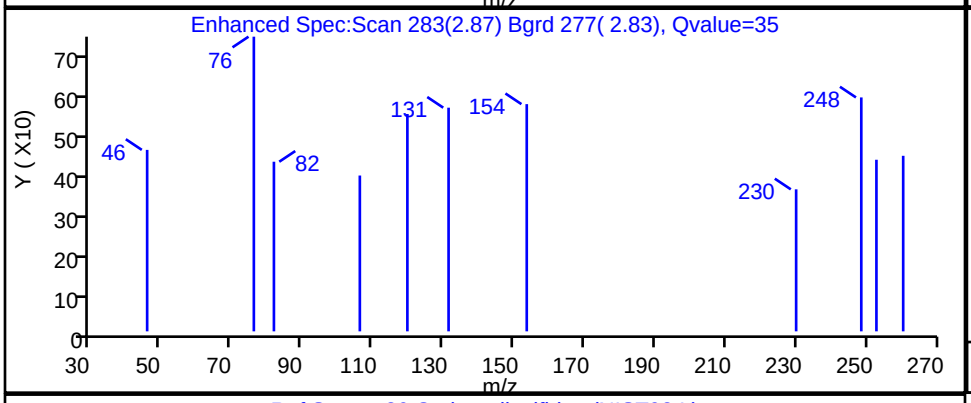
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3709.D				
Injection Date:	06-Jan-2020 14:15:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-A-3	Lab Sample ID:	480-164784-3		
Client ID:	RW-3				
Operator ID:	AM	ALS Bottle#:	3	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

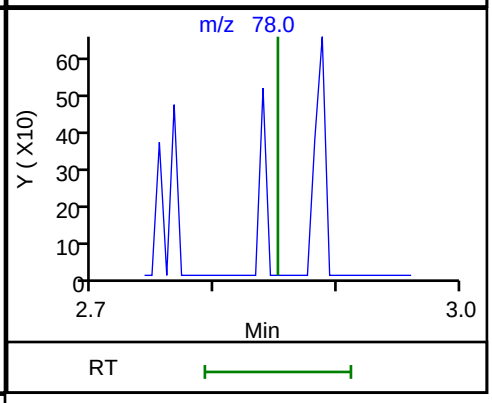
26 Carbon disulfide, CAS: 75-15-0

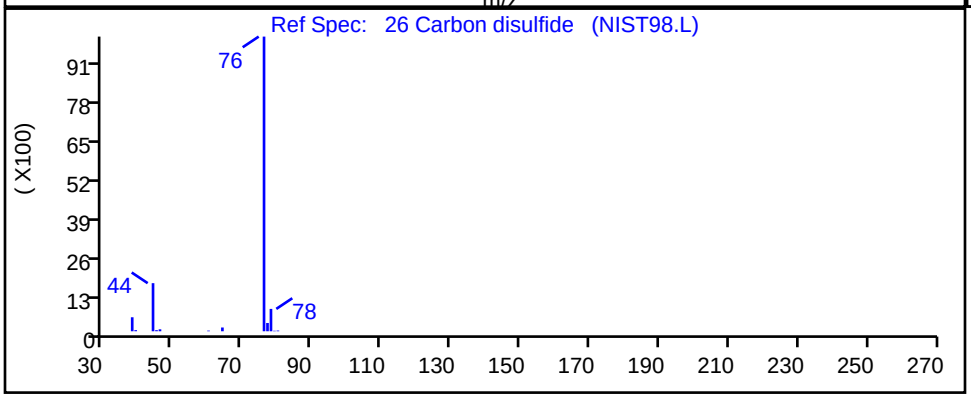
Processing Results











RT	Mass	Response	Amount
2.87	76.00	974	0.043551
2.85	78.00	0	

Reviewer: lapointec, 07-Jan-2020 08:43:19

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-164784-4

Matrix: Water Lab File ID: T9863.D

Analysis Method: 8260C Date Collected: 01/03/2020 10:20

Sample wt/vol: 5(mL) Date Analyzed: 01/08/2020 14:37

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512748 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
75-34-3	1,1-Dichloroethane	ND		5.0	1.9
75-35-4	1,1-Dichloroethene	ND		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.0
95-50-1	1,2-Dichlorobenzene	ND		5.0	4.0
107-06-2	1,2-Dichloroethane	ND		5.0	1.1
78-87-5	1,2-Dichloropropane	ND		5.0	3.6
541-73-1	1,3-Dichlorobenzene	ND		5.0	3.9
106-46-7	1,4-Dichlorobenzene	ND		5.0	4.2
78-93-3	2-Butanone (MEK)	ND	*	50	6.6
591-78-6	2-Hexanone	ND		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		5.0	2.0
75-25-2	Bromoform	ND		5.0	1.3
74-83-9	Bromomethane	ND		5.0	3.5
75-15-0	Carbon disulfide	ND		5.0	0.95
56-23-5	Carbon tetrachloride	ND		5.0	1.4
108-90-7	Chlorobenzene	ND		5.0	3.8
124-48-1	Dibromochloromethane	ND		5.0	1.6
75-00-3	Chloroethane	ND		5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	7.1		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4
100-41-4	Ethylbenzene	ND		5.0	3.7
106-93-4	1,2-Dibromoethane	ND		5.0	3.7
98-82-8	Isopropylbenzene	ND		5.0	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-164784-4

Matrix: Water Lab File ID: T9863.D

Analysis Method: 8260C Date Collected: 01/03/2020 10:20

Sample wt/vol: 5(mL) Date Analyzed: 01/08/2020 14:37

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512748 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		13	6.5
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.80
108-87-2	Methylcyclohexane	ND		5.0	0.80
75-09-2	Methylene Chloride	ND		5.0	2.2
100-42-5	Styrene	ND		5.0	3.7
127-18-4	Tetrachloroethene	230		5.0	1.8
108-88-3	Toluene	ND		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	ND		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	1.9
79-01-6	Trichloroethene	3.0	J	5.0	2.3
75-69-4	Trichlorofluoromethane	ND		5.0	4.4
75-01-4	Vinyl chloride	ND		5.0	4.5
1330-20-7	Xylenes, Total	ND		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9863.D
Lims ID: 480-164784-C-4
Client ID: DUP
Sample Type: Client
Inject. Date: 08-Jan-2020 14:37:30 ALS Bottle#: 16 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 480-164784-c-4
Misc. Info.: 480-0087375-014
Operator ID: RF Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2020 17:29:39 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0317

First Level Reviewer: phillipsb Date: 08-Jan-2020 22:39:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.792	4.791	0.001	98	151822	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	87	572078	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.958	8.957	0.001	95	325460	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.336	4.336	0.001	92	199682	26.4	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.574	4.584	-0.010	0	257027	26.3	
$ 6 Toluene-d8 (Surr)	98	5.963	5.973	-0.010	94	755864	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	226408	24.8	
11 Dichlorodifluoromethane	85		1.206				ND	
13 Chloromethane	50		1.371				ND	
14 Vinyl chloride	62		1.454				ND	
15 Bromomethane	94		1.713				ND	
16 Chloroethane	64		1.776				ND	
17 Trichlorofluoromethane	101		1.993				ND	
22 1,1-Dichloroethene	96		2.449				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.449				ND	
23 Acetone	43	2.574	2.563	0.011	63	1826	0.4534	
25 Carbon disulfide	76		2.625				ND	
28 Methyl acetate	43		2.833				ND	
30 Methylene Chloride	84		2.926				ND	
33 Methyl tert-butyl ether	73		3.112				ND	
32 trans-1,2-Dichloroethene	96		3.123				ND	
36 1,1-Dichloroethane	63		3.486				ND	
43 cis-1,2-Dichloroethene	96	3.952	3.952	0.000	82	11852	1.42	
44 2-Butanone (MEK)	43		3.973				ND	
50 Chloroform	83		4.211				ND	
51 1,1,1-Trichloroethane	97		4.304				ND	
52 Cyclohexane	56		4.304				ND	
53 Carbon tetrachloride	117		4.408				ND	
55 Benzene	78		4.584				ND	
57 1,2-Dichloroethane	62		4.636				ND	
60 Trichloroethene	95	5.061	5.061	0.000	93	4709	0.6078	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.164				ND	
63 1,2-Dichloropropane	63		5.258				ND	
67 Dichlorobromomethane	83		5.486				ND	
71 cis-1,3-Dichloropropene	75		5.796				ND	
72 4-Methyl-2-pentanone (MIBK	43		5.910				ND	
73 Toluene	92		6.014				ND	
75 trans-1,3-Dichloropropene	75		6.232				ND	
78 1,1,2-Trichloroethane	83		6.377				ND	
79 Tetrachloroethene	166	6.419	6.419	0.001	96	358671	45.3	
81 2-Hexanone	43		6.543				ND	
82 Chlorodibromomethane	129		6.677				ND	
83 Ethylene Dibromide	107		6.760				ND	
86 Chlorobenzene	112		7.113				ND	
88 Ethylbenzene	91		7.175				ND	
90 m-Xylene & p-Xylene	106		7.268				ND	
91 o-Xylene	106		7.589				ND	
92 Styrene	104		7.610				ND	
93 Bromoform	173		7.797				ND	
95 Isopropylbenzene	105		7.869				ND	
98 1,1,2,2-Tetrachloroethane	83		8.180				ND	
110 1,3-Dichlorobenzene	146		8.895				ND	
113 1,4-Dichlorobenzene	146		8.978				ND	
116 1,2-Dichlorobenzene	146		9.289				ND	
117 1,2-Dibromo-3-Chloropropan	75		9.962				ND	
119 1,2,4-Trichlorobenzene	180		10.605				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00203	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added:	1.00	Units: uL	Run Reagent

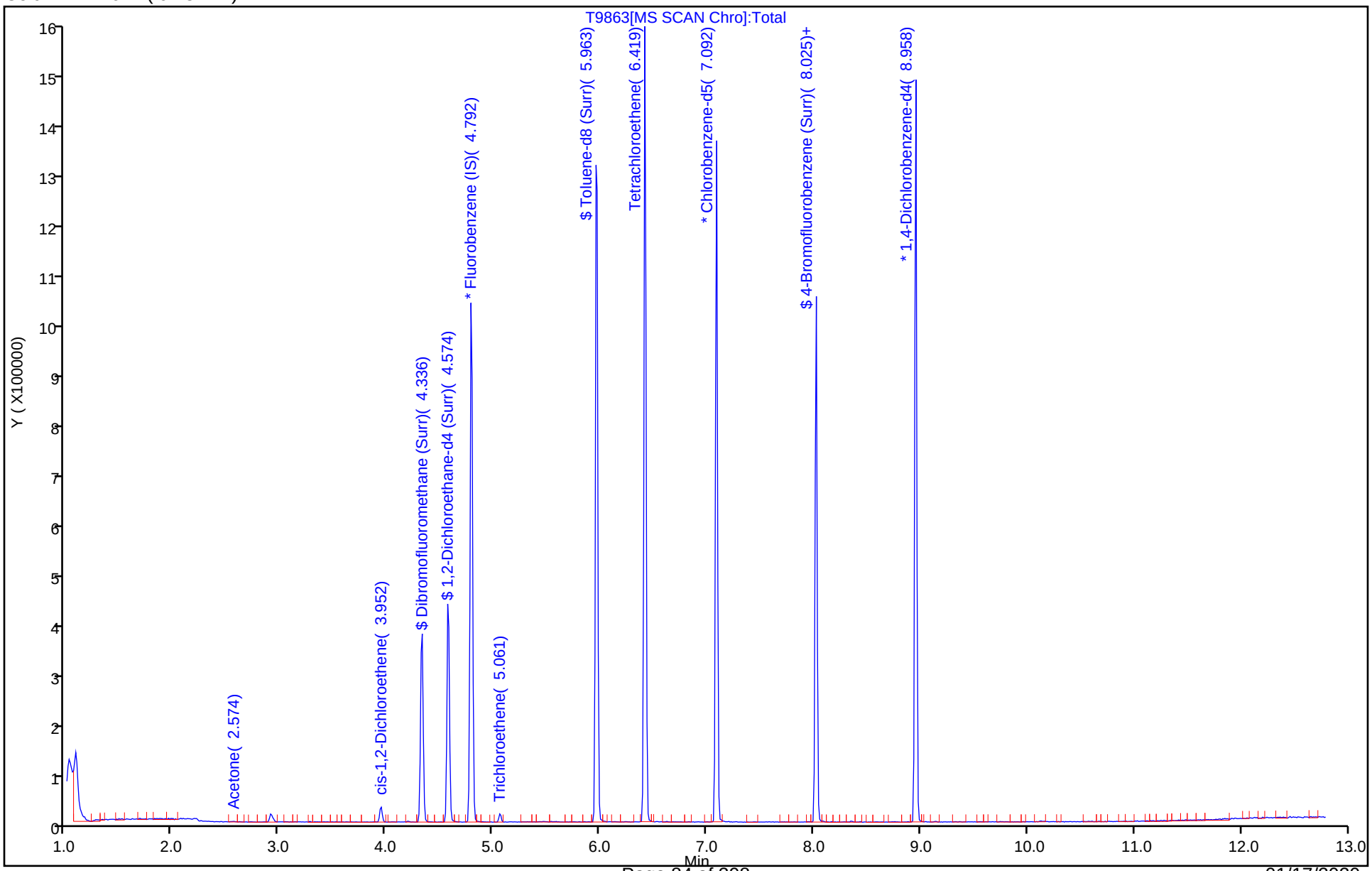
Report Date: 09-Jan-2020 01:52:54 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9863.D

Injection Date:	08-Jan-2020 14:37:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-164784-C-4	Lab Sample ID:	480-164784-4	Worklist Smp#:	14
Client ID:	DUP				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	16
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

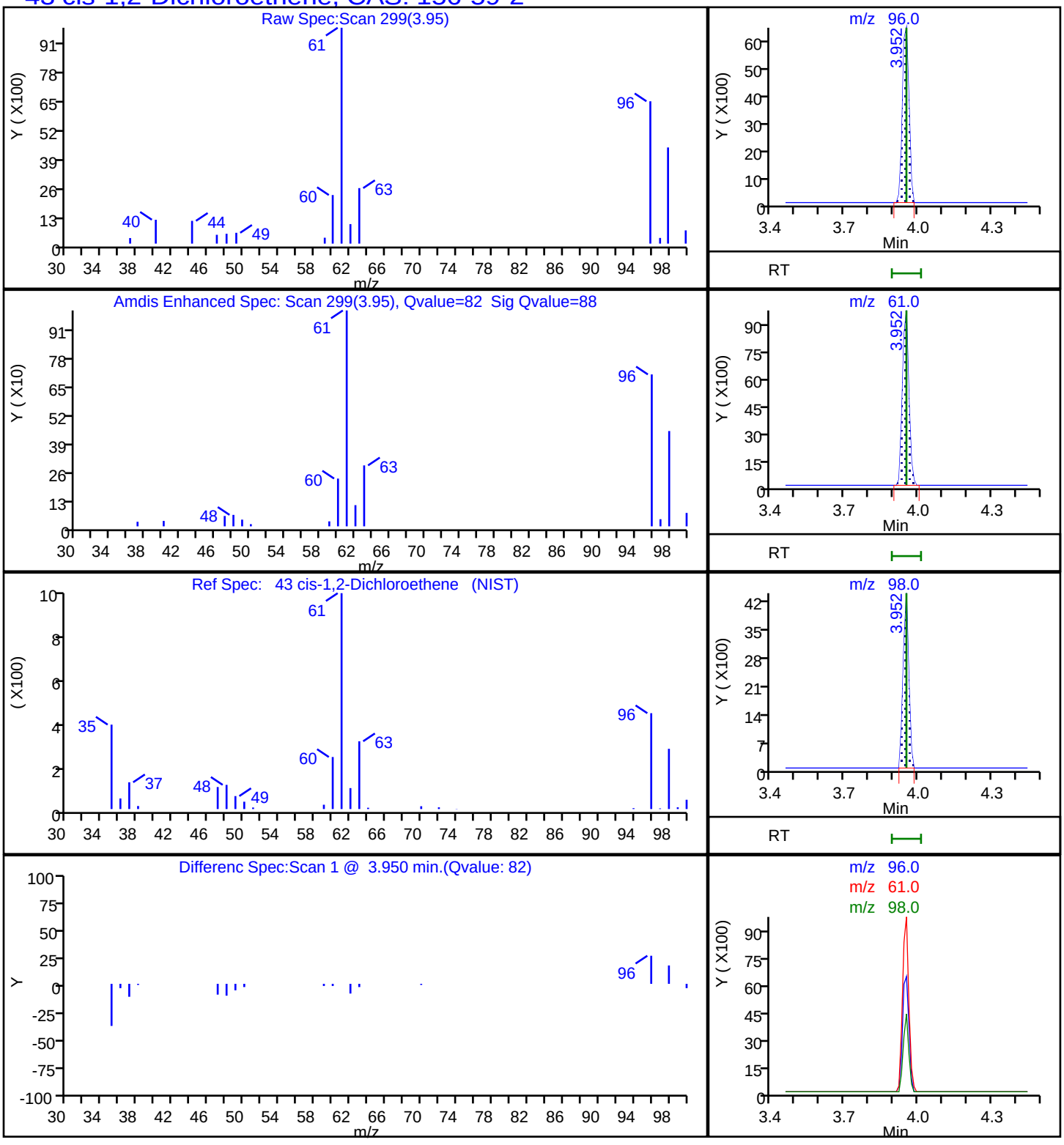


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9863.D

Injection Date:	08-Jan-2020 14:37:30	Instrument ID:	HP5975T		
Lims ID:	480-164784-C-4	Lab Sample ID:	480-164784-4		
Client ID:	DUP				
Operator ID:	RF	ALS Bottle#:	16	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2

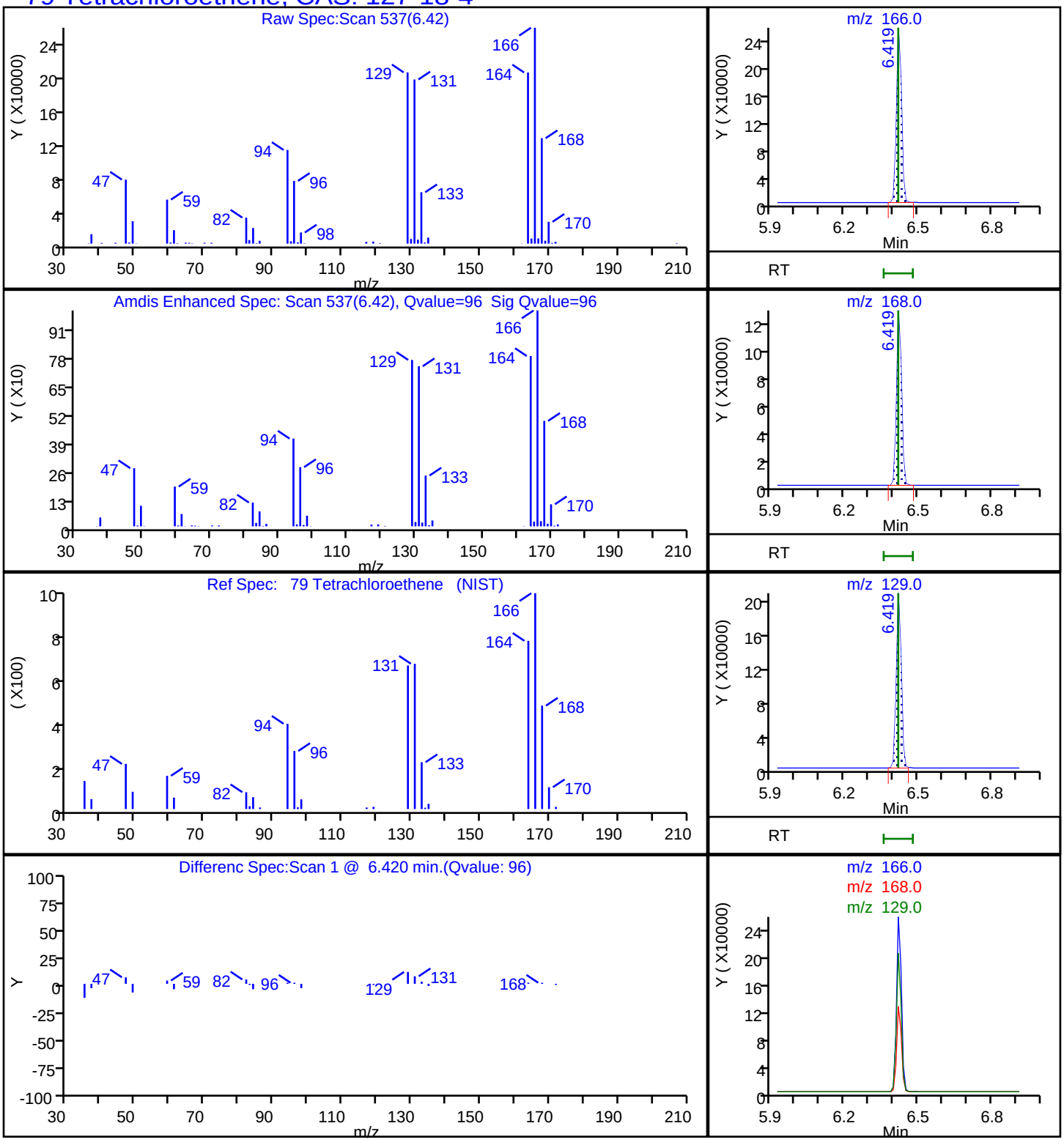


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9863.D

Injection Date:	08-Jan-2020 14:37:30	Instrument ID:	HP5975T
Lims ID:	480-164784-C-4	Lab Sample ID:	480-164784-4
Client ID:	DUP		
Operator ID:	RF	ALS Bottle#:	16 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	5.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

79 Tetrachloroethene, CAS: 127-18-4



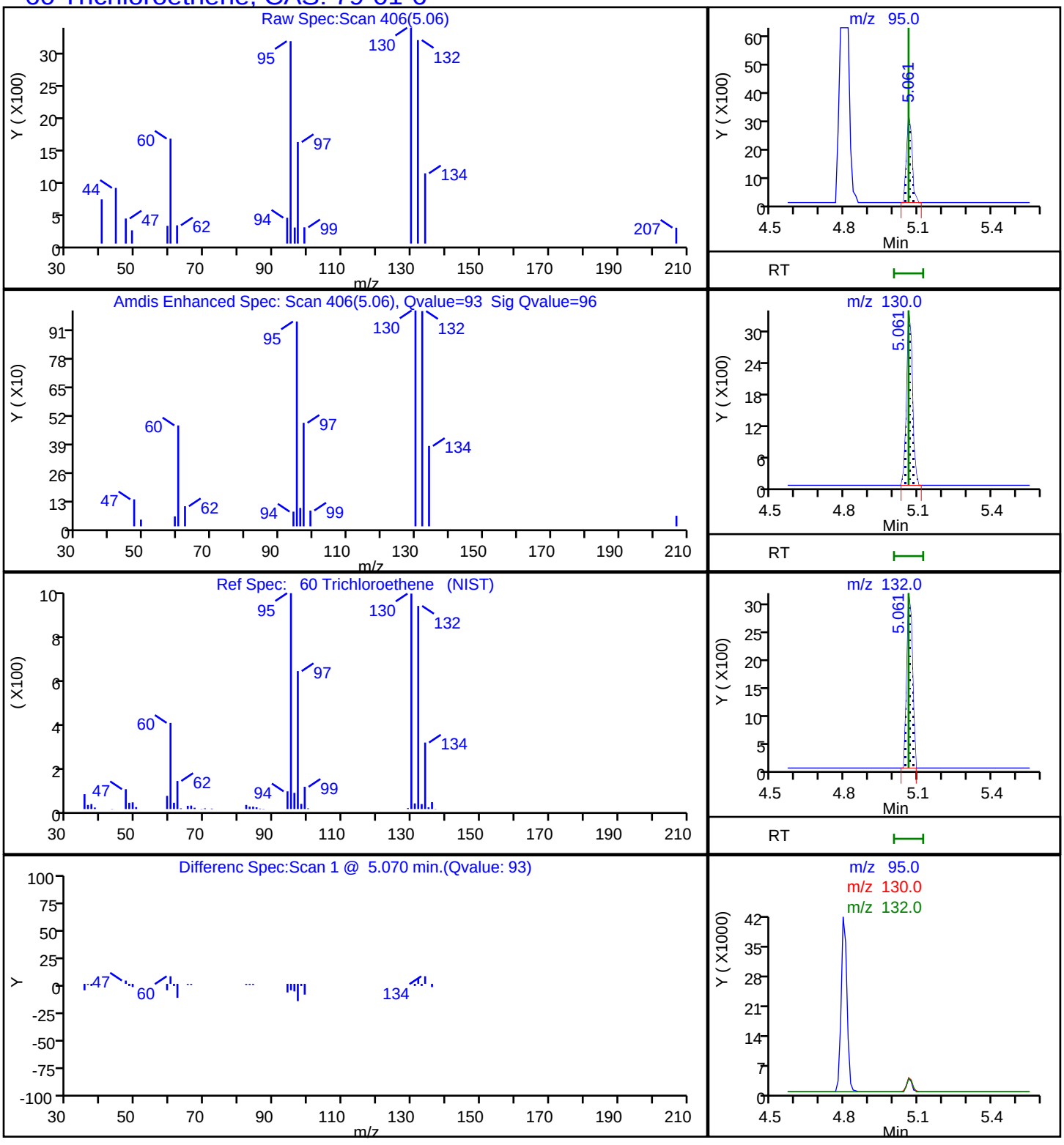
Report Date: 09-Jan-2020 01:52:55 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9863.D

Injection Date:	08-Jan-2020 14:37:30	Instrument ID:	HP5975T		
Lims ID:	480-164784-C-4	Lab Sample ID:	480-164784-4		
Client ID:	DUP				
Operator ID:	RF	ALS Bottle#:	16	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-164784-5

Matrix: Water Lab File ID: S3726.D

Analysis Method: 8260C Date Collected: 01/03/2020 10:00

Sample wt/vol: 5(mL) Date Analyzed: 01/07/2020 12:49

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512586 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	0.60	J	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	0.90	J	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	2.5		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-164784-5

Matrix: Water Lab File ID: S3726.D

Analysis Method: 8260C Date Collected: 01/03/2020 10:00

Sample wt/vol: 5(mL) Date Analyzed: 01/07/2020 12:49

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512586 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3726.D
Lims ID: 480-164784-B-5
Client ID: EFFLUENT
Sample Type: Client
Inject. Date: 07-Jan-2020 12:49:30 ALS Bottle#: 9 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-164784-B-5
Misc. Info.: 480-0087345-012
Operator ID: CL Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2020 07:29:24 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0304

First Level Reviewer: lapointec Date: 08-Jan-2020 07:29:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	147874	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	88	304944	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.827	10.827	0.000	95	278403	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	55	181253	26.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	92	123906	25.2	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.001	94	704703	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	86	215526	27.0	
10 Dichlorodifluoromethane	85		1.263				ND	
12 Chloromethane	50		1.440				ND	Ua
13 Vinyl chloride	62		1.531				ND	
14 Bromomethane	94		1.835				ND	
15 Chloroethane	64		1.926				ND	
17 Trichlorofluoromethane	101		2.152				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.650				ND	
22 1,1-Dichloroethene	96		2.650				ND	
23 Acetone	43	2.778	2.778	0.000	78	6320	1.77	a
26 Carbon disulfide	76		2.845				ND	U
27 Methyl acetate	43		3.076				ND	
30 Methylene Chloride	84		3.174				ND	
32 Methyl tert-butyl ether	73		3.386				ND	
34 trans-1,2-Dichloroethene	96		3.405				ND	
39 1,1-Dichloroethane	63		3.825				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
43 2-Butanone (MEK)	43		4.427				ND	
50 Chloroform	83	4.701	4.701	0.000	70	37602	2.48	
52 Cyclohexane	56		4.810				ND	
51 1,1,1-Trichloroethane	97		4.810				ND	
55 Carbon tetrachloride	117		4.950				ND	
57 Benzene	78		5.169				ND	
58 1,2-Dichloroethane	62		5.242				ND	
62 Trichloroethene	95		5.783				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.893				ND	
65 1,2-Dichloropropane	63		6.021				ND	
68 Dichlorobromomethane	83		6.319				ND	U
72 cis-1,3-Dichloropropene	75		6.732				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.878				ND	
74 Toluene	92		7.018				ND	
77 trans-1,3-Dichloropropene	75		7.304				ND	
79 1,1,2-Trichloroethane	83		7.493				ND	
81 Tetrachloroethene	166		7.548				ND	
80 2-Hexanone	43		7.718				ND	
83 Chlorodibromomethane	129	7.895	7.888	0.007	30	6627	0.9025	
84 Ethylene Dibromide	107		7.998				ND	
87 Chlorobenzene	112		8.466				ND	
88 Ethylbenzene	91		8.558				ND	
90 m-Xylene & p-Xylene	106		8.679				ND	
91 o-Xylene	106		9.105				ND	
92 Styrene	104		9.135				ND	
95 Bromoform	173	9.391	9.391	0.000	30	2925	0.5974	
94 Isopropylbenzene	105		9.488				ND	
97 1,1,2,2-Tetrachloroethane	83		9.896				ND	
111 1,3-Dichlorobenzene	146		10.760				ND	
113 1,4-Dichlorobenzene	146		10.845				ND	
116 1,2-Dichlorobenzene	146		11.198				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.934				ND	
119 1,2,4-Trichlorobenzene	180		12.597				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

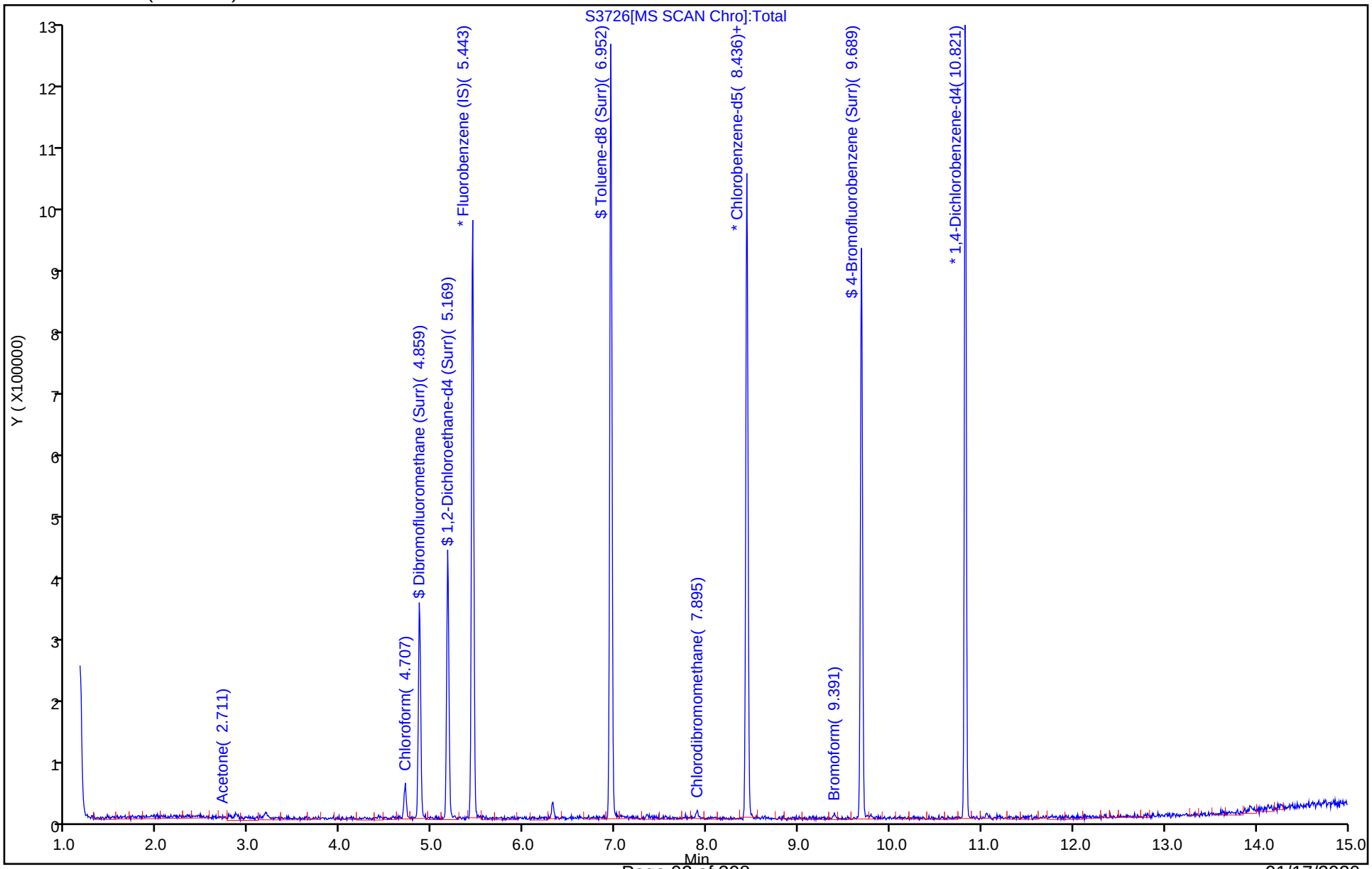
Report Date: 08-Jan-2020 07:29:24 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3726.D

Injection Date:	07-Jan-2020 12:49:30	Instrument ID:	HP5973S	Operator ID:	CL
Lims ID:	480-164784-B-5	Lab Sample ID:	480-164784-5	Worklist Smp#:	12
Client ID:	EFFLUENT				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

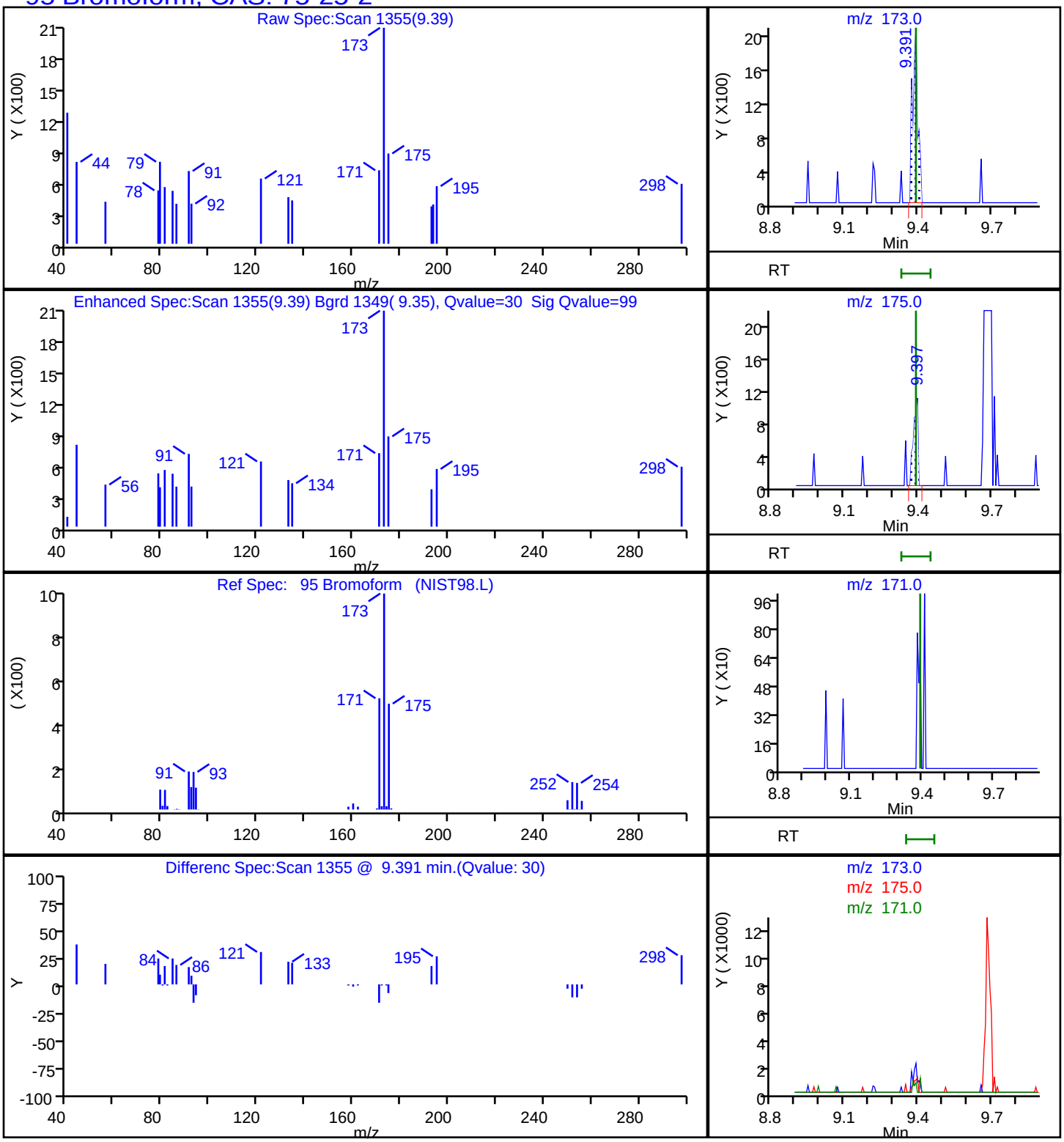


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3726.D

Injection Date:	07-Jan-2020 12:49:30	Instrument ID:	HP5973S
Lims ID:	480-164784-B-5	Lab Sample ID:	480-164784-5
Client ID:	EFFLUENT		
Operator ID:	CL	ALS Bottle#:	9 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

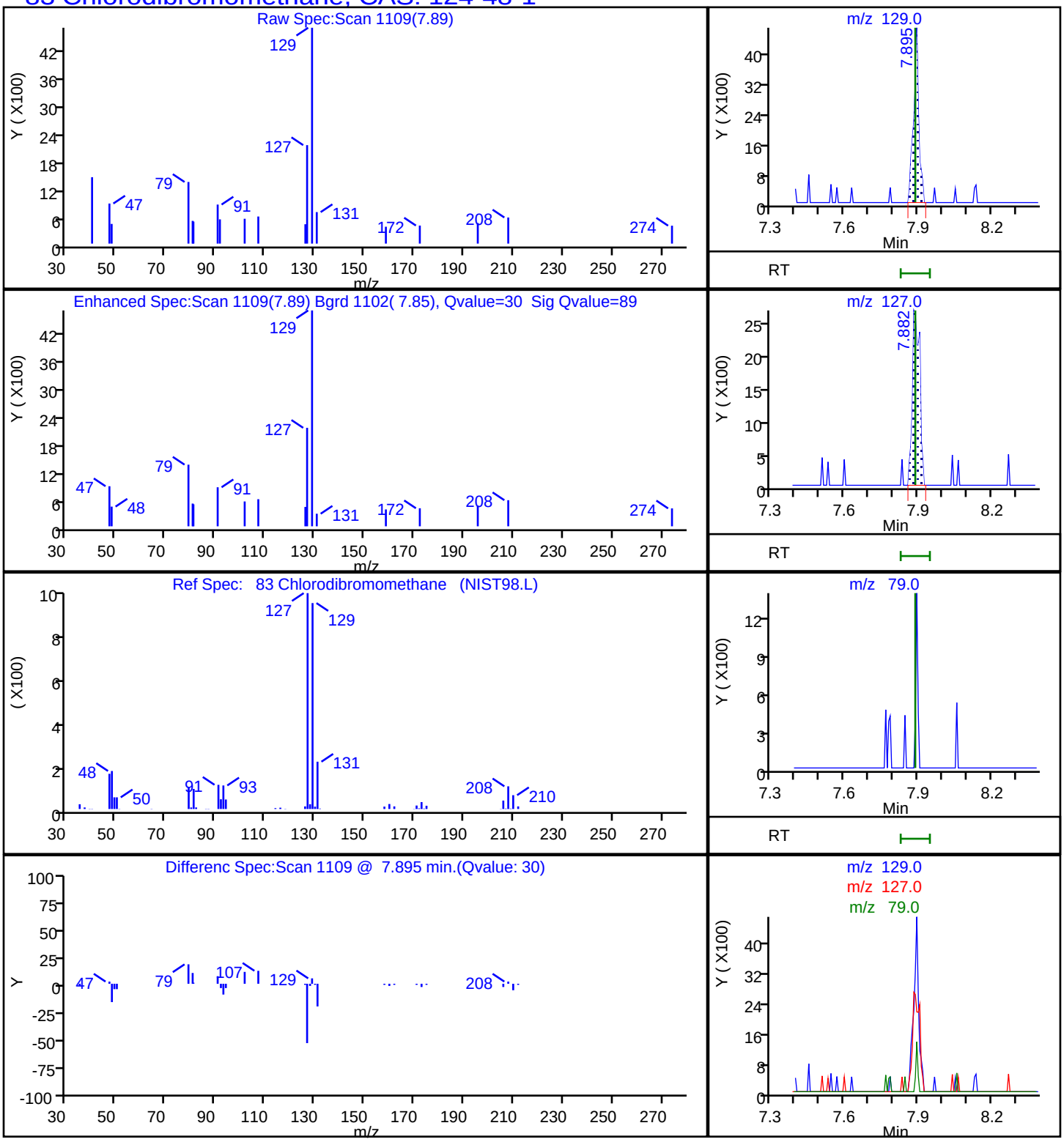
95 Bromoform, CAS: 75-25-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3726.D				
Injection Date:	07-Jan-2020 12:49:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-B-5	Lab Sample ID:	480-164784-5		
Client ID:	EFFLUENT				
Operator ID:	CL	ALS Bottle#:	9	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

83 Chlorodibromomethane, CAS: 124-48-1



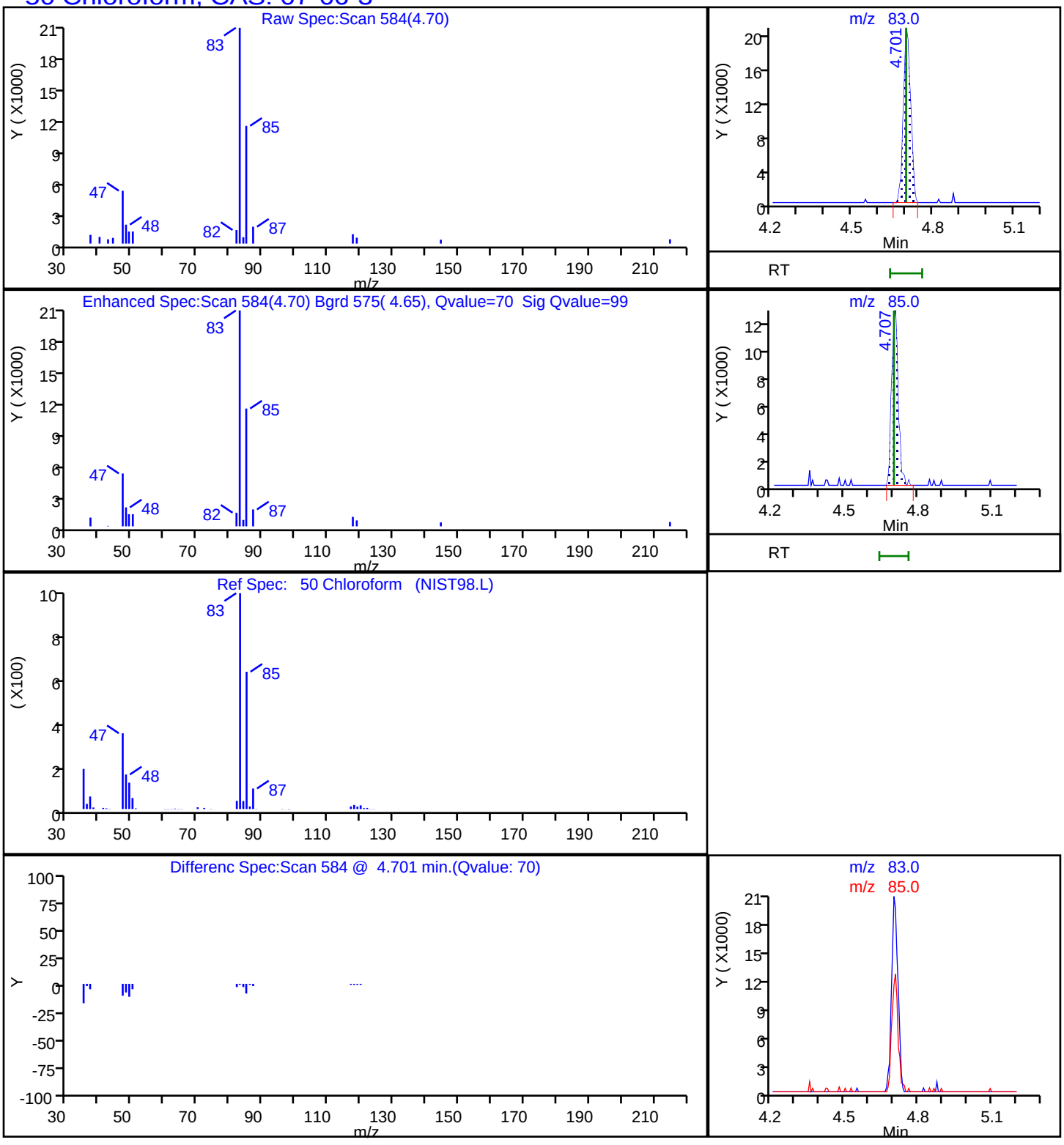
Report Date: 08-Jan-2020 07:29:24 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3726.D

Injection Date:	07-Jan-2020 12:49:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-B-5	Lab Sample ID:	480-164784-5		
Client ID:	EFFLUENT				
Operator ID:	CL	ALS Bottle#:	9	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

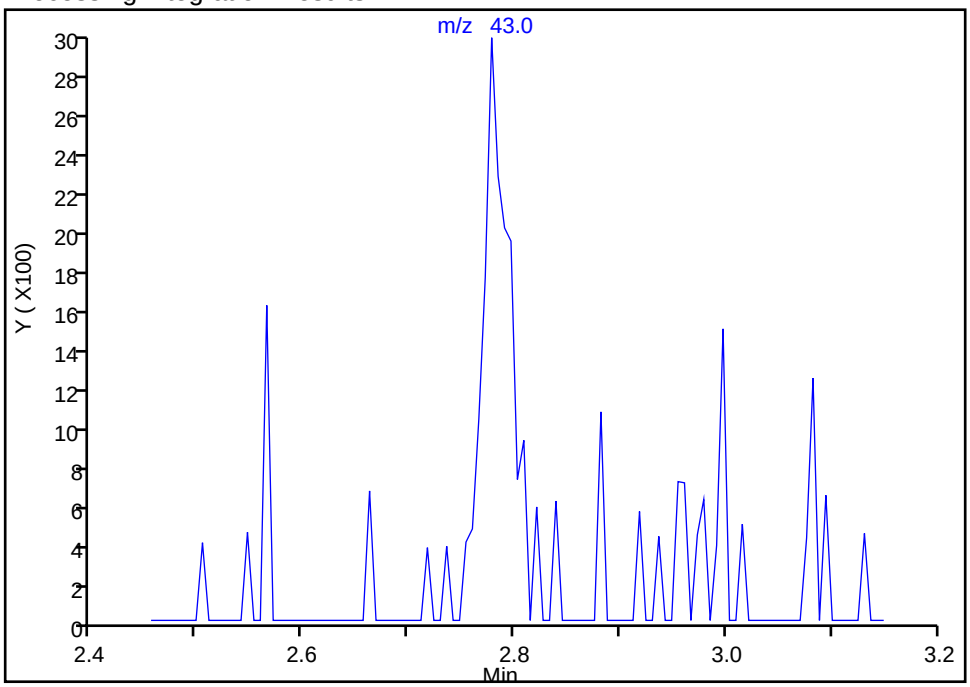
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3726.D				
Injection Date:	07-Jan-2020 12:49:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-B-5	Lab Sample ID:	480-164784-5		
Client ID:	EFFLUENT				
Operator ID:	CL	ALS Bottle#:	9	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

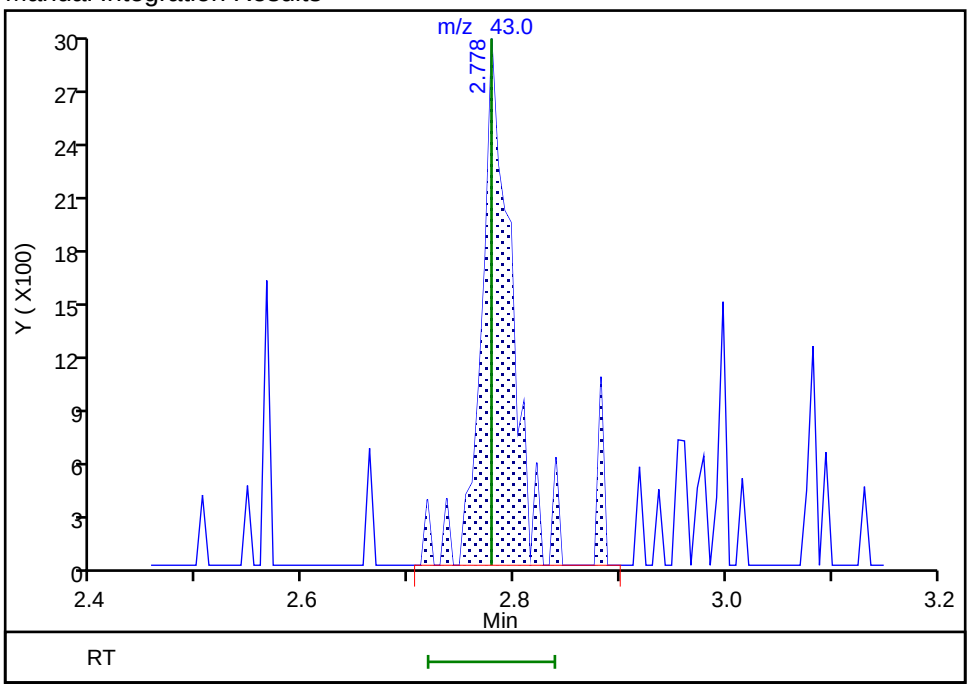
Not Detected
Expected RT: 2.78

Processing Integration Results



Manual Integration Results

RT: 2.78
Area: 6320
Amount: 1.773642
Amount Units: ug/L



Reviewer: lapointec, 08-Jan-2020 07:26:30
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

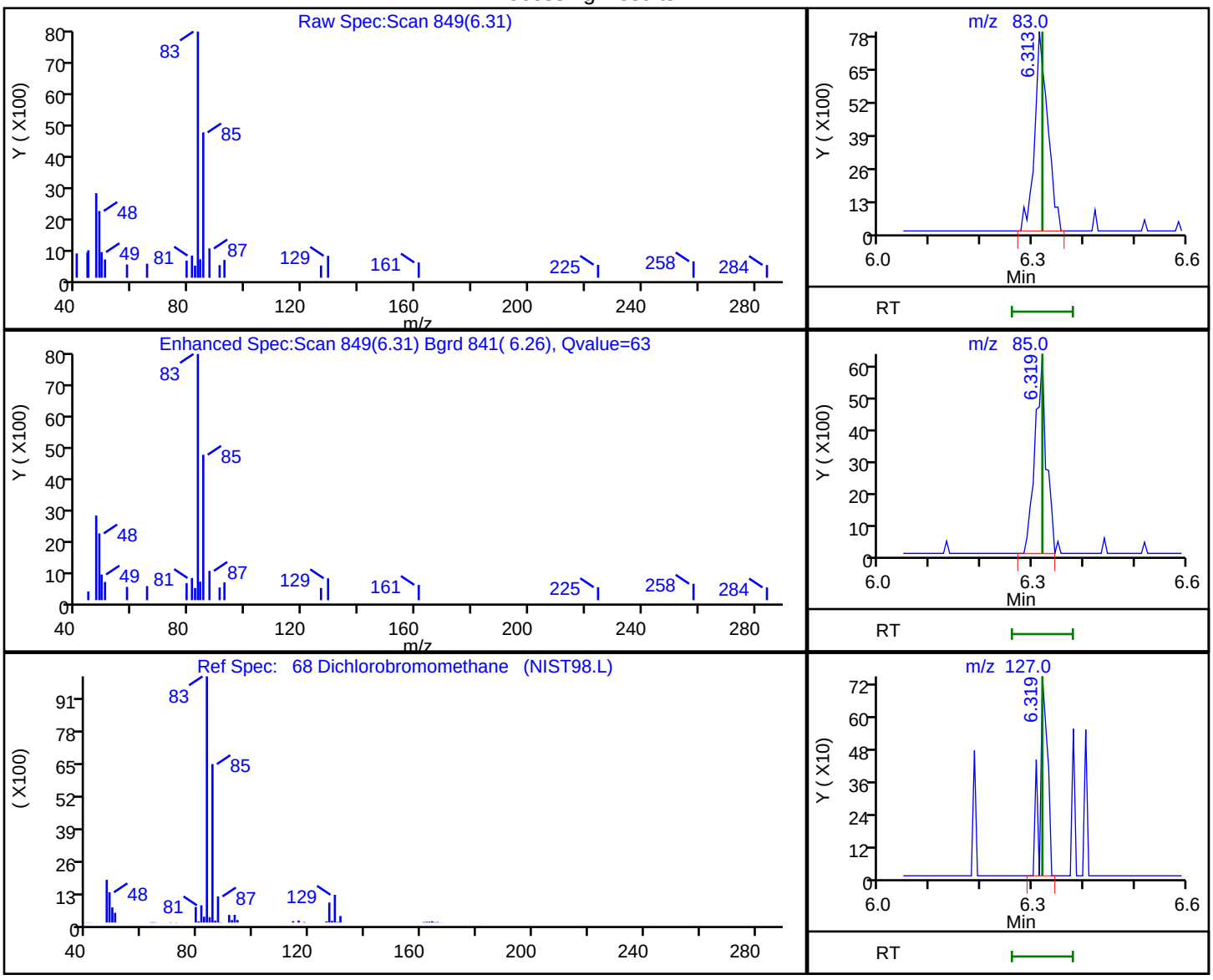
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3726.D				
Injection Date:	07-Jan-2020 12:49:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-B-5	Lab Sample ID:	480-164784-5		
Client ID:	EFFLUENT				
Operator ID:	CL	ALS Bottle#:	9	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

68 Dichlorobromomethane, CAS: 75-27-4

Processing Results



RT	Mass	Response	Amount
6.31	83.00	14030	1.318823
6.32	85.00	9700	
6.32	127.00	781	

Reviewer: lapointec, 08-Jan-2020 07:28:11

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

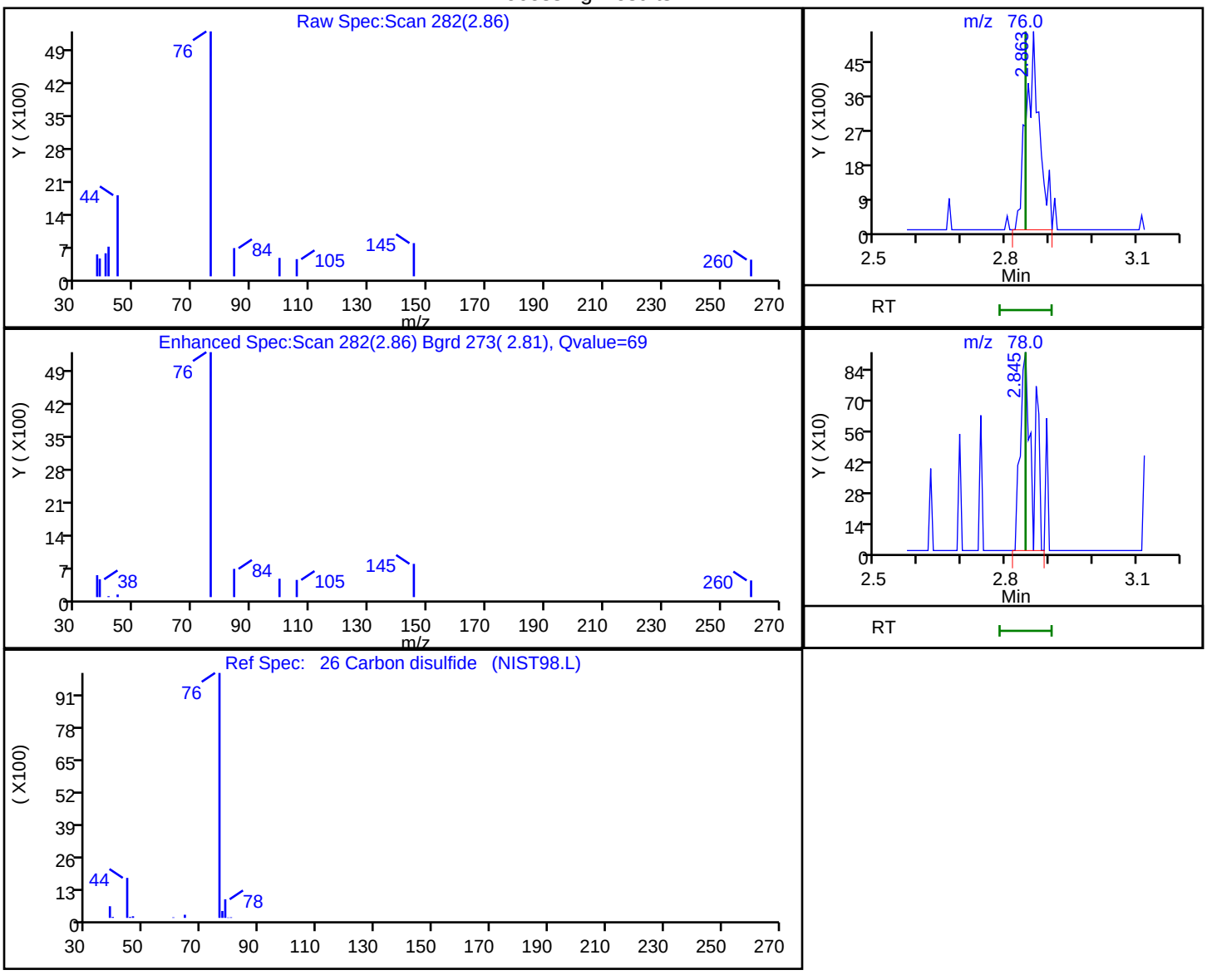
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3726.D				
Injection Date:	07-Jan-2020 12:49:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-B-5	Lab Sample ID:	480-164784-5		
Client ID:	EFFLUENT				
Operator ID:	CL	ALS Bottle#:	9	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.86	76.00	11000	0.490862
2.85	78.00	1828	

Reviewer: lapointec, 08-Jan-2020 07:26:58

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-164784-6

Matrix: Water Lab File ID: S3712.D

Analysis Method: 8260C Date Collected: 01/03/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2020 15:24

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512458 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-164784-6

Matrix: Water Lab File ID: S3712.D

Analysis Method: 8260C Date Collected: 01/03/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2020 15:24

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512458 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3712.D
Lims ID: 480-164784-A-6
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 06-Jan-2020 15:24:30 ALS Bottle#: 6 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-164784-A-6
Misc. Info.: 480-0087323-015
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Jan-2020 09:05:01 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 07-Jan-2020 09:05:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	141938	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	87	290436	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.821	10.821	0.000	97	273237	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	64	171909	25.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	93	122694	26.0	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.001	95	690558	25.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	85	211315	27.8	
10 Dichlorodifluoromethane	85		1.257				ND	
12 Chloromethane	50		1.434				ND	
13 Vinyl chloride	62		1.531				ND	
14 Bromomethane	94		1.829				ND	
15 Chloroethane	64		1.927				ND	
17 Trichlorofluoromethane	101		2.146				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.657				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.778				ND	Ua
26 Carbon disulfide	76		2.851				ND	
27 Methyl acetate	43		3.076				ND	
30 Methylene Chloride	84		3.180				ND	Ua
32 Methyl tert-butyl ether	73		3.387				ND	
34 trans-1,2-Dichloroethene	96		3.405				ND	
39 1,1-Dichloroethane	63		3.831				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
43 2-Butanone (MEK)	43		4.421				ND	
50 Chloroform	83		4.701				ND	
51 1,1,1-Trichloroethane	97		4.816				ND	
52 Cyclohexane	56		4.816				ND	
55 Carbon tetrachloride	117		4.944				ND	
57 Benzene	78		5.169				ND	
58 1,2-Dichloroethane	62		5.242				ND	
62 Trichloroethene	95		5.777				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.893				ND	
65 1,2-Dichloropropane	63		6.021				ND	
68 Dichlorobromomethane	83		6.319				ND	
72 cis-1,3-Dichloropropene	75		6.733				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.879				ND	
74 Toluene	92	7.019	7.019	0.000	41	3784	0.1989	
77 trans-1,3-Dichloropropene	75		7.304				ND	
79 1,1,2-Trichloroethane	83		7.493				ND	
81 Tetrachloroethene	166		7.548				ND	
80 2-Hexanone	43		7.718				ND	
83 Chlorodibromomethane	129		7.888				ND	
84 Ethylene Dibromide	107		7.992				ND	
87 Chlorobenzene	112		8.466				ND	
88 Ethylbenzene	91		8.558				ND	Ua
90 m-Xylene & p-Xylene	106		8.679				ND	
91 o-Xylene	106		9.105				ND	
92 Styrene	104		9.136				ND	
95 Bromoform	173		9.391				ND	
94 Isopropylbenzene	105		9.488				ND	
97 1,1,2,2-Tetrachloroethane	83		9.902				ND	
111 1,3-Dichlorobenzene	146		10.760				ND	
113 1,4-Dichlorobenzene	146		10.845				ND	U
116 1,2-Dichlorobenzene	146		11.198				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.928				ND	
119 1,2,4-Trichlorobenzene	180		12.597				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

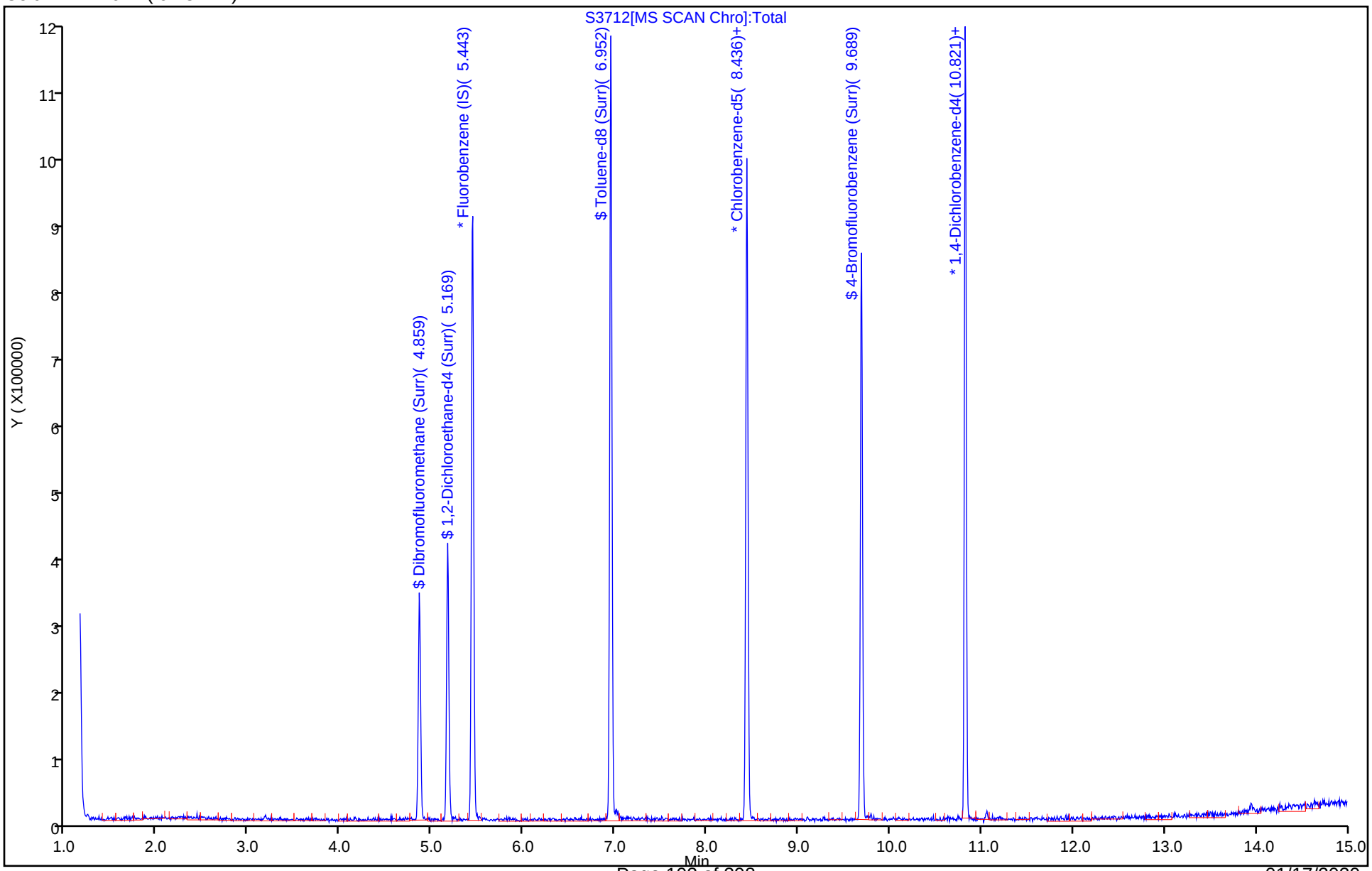
Report Date: 07-Jan-2020 09:05:11 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3712.D

Injection Date:	06-Jan-2020 15:24:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-164784-A-6	Lab Sample ID:	480-164784-6	Worklist Smp#:	15
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



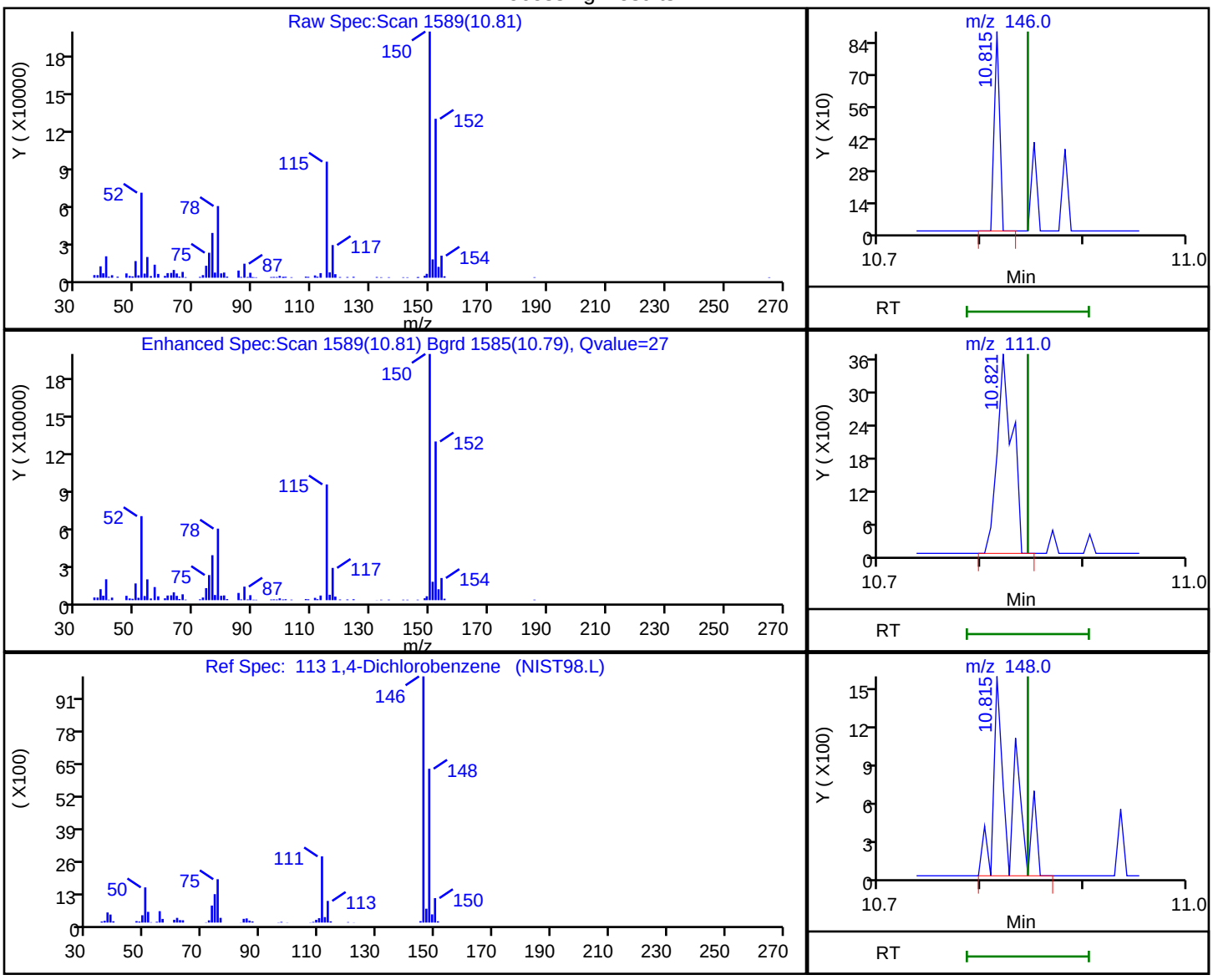
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3712.D				
Injection Date:	06-Jan-2020 15:24:30	Instrument ID:	HP5973S		
Lims ID:	480-164784-A-6	Lab Sample ID:	480-164784-6		
Client ID:	TRIP BLANK				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
10.81	146.00	324	0.017856
10.82	111.00	3811	
10.81	148.00	1739	

Reviewer: lapointec, 07-Jan-2020 09:04:47

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 505107

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2019 12:00 Calibration End Date: 11/18/2019 14:41 Calibration ID: 38260

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-505107/4	S2498.D
Level 2	IC 480-505107/5	S2499.D
Level 3	IC 480-505107/6	S2500.D
Level 4	IC 480-505107/7	S2501.D
Level 5	IC 480-505107/8	S2502.D
Level 6	ICIS 480-505107/9	S2503.D
Level 7	IC 480-505107/10	S2504.D
Level 8	IC 480-505107/11	S2505.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.7089 1.4909	1.7158 1.6119	1.5760 1.6967	1.5752	1.4170	Ave		1.5991			0.1000	6.7		20.0			
Chloromethane	1.7405 1.7344	2.2254 1.7911	2.0196 1.7767	1.8834	1.8425	Ave		1.8767			0.1000	9.0		20.0			
Vinyl chloride	1.4708 1.4753	1.6061 1.5093	1.5599 1.5415	1.6227	1.4807	Ave		1.5333			0.1000	3.9		20.0			
Butadiene	1.7441 1.4395	1.8277 1.4993	1.8244 1.5930	1.6576	1.5145	Ave		1.6375				9.2		20.0			
Bromomethane	1.0546 0.9003	1.0952 0.9026	1.0572 0.8901	0.9832	0.9545	Ave		0.9797			0.1000	8.3		20.0			
Chloroethane	1.0900 0.8827	1.2473 0.9079	1.1479 0.9122	0.9910	0.9774	Ave		1.0196			0.1000	12.8		20.0			
Trichlorofluoromethane	1.7826 1.8097	1.7298 1.8966	2.0299 1.9853	1.9835	1.8759	Ave		1.8867			0.1000	5.7		20.0			
Dichlorofluoromethane	2.3827 1.9649	2.7652 1.9624	2.5077 2.0043	2.2082	2.1214	Ave		2.2396				13.0		20.0			
Ethyl ether	1.0712 1.2083	1.5440 1.1809	1.2542 1.1986	1.3753	1.1928	Ave		1.2532				11.5		20.0			
Acrolein	0.4899 0.3559	0.3847 0.3593	0.3822 0.3455	0.3923	0.3640	Ave		0.3842				11.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.8263 1.0412	0.9906 1.0779	0.9913 1.1722	1.1841	1.1709	Ave		1.0568			0.1000	11.6		20.0			
1,1-Dichloroethene	1.2851 1.0490	1.3047 1.0333	1.1935 1.0872	1.1661	1.1095	Ave		1.1536			0.1000	8.9		20.0			
Acetone	0.6128 0.5835	0.6285 0.5443	0.5958 0.5747	0.6413	0.6384	Ave		0.6024			0.1000	5.7		20.0			
Iodomethane	1.7938 1.8563	2.2249 1.8569	1.8395 1.9096	2.0327	2.0278	Ave		1.9427				7.4		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 505107

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2019 12:00 Calibration End Date: 11/18/2019 14:41 Calibration ID: 38260

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	3.5310 3.6507	4.1082 3.6146	3.5772 3.8487	4.1705	3.8079	Ave		3.7886			0.1000	6.4		20.0			
Allyl chloride	2.6924 2.2792	3.0290 2.3182	2.3783 2.3682	2.5007	2.3059	Ave		2.4840				10.4		20.0			
Methyl acetate	1.3213 1.5228	1.4376 1.3429	1.5134 1.4535	1.7604	1.6279	Ave		1.4975			0.1000	9.7		20.0			
Methylene Chloride	4.2457 1.3339	2.4988 1.3076	2.0590 1.3105	1.7380	1.5377	Lin1	1.4622	1.2966			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.1310 0.1676	0.1768 0.1574	0.1787 0.2232	0.1841	0.1664	Ave		0.1732				15.1		20.0			
Methyl tert-butyl ether	3.9330 3.6677	4.5366 3.5340	3.9766 3.6680	4.0822	3.9657	Ave		3.9205			0.1000	8.0		20.0			
trans-1,2-Dichloroethene	1.3089 1.2074	1.2220 1.2081	1.3812 1.2738	1.3528	1.3453	Ave		1.2875			0.1000	5.4		20.0			
Acrylonitrile	0.5909 0.7093	0.7544 0.6656	0.6846 0.7280	0.7120	0.7661	Ave		0.7013				7.9		20.0			
Hexane	3.0442 1.9962	2.5924 2.0681	2.2490 2.1811	2.4391	2.1424	Ave		2.3391				14.8		20.0			
1,1-Dichloroethane	2.3858 2.3768	2.8011 2.4341	2.5849 2.4923	2.7472	2.5423	Ave		2.5456			0.2000	6.2		20.0			
Vinyl acetate	3.2621 3.8567	3.7387 3.6924	3.7979 4.0464	3.8684	3.8115	Ave		3.7593				6.0		20.0			
2,2-Dichloropropane	1.3781 1.1274	1.4498 1.1304	1.3122 1.1142	1.3499	1.2886	Ave		1.2688				10.2		20.0			
cis-1,2-Dichloroethene	1.3617 1.3946	1.5159 1.3635	1.4462 1.3587	1.5457	1.5189	Ave		1.4381			0.1000	5.5		20.0			
2-Butanone (MEK)	0.7703 0.9304	0.8793 0.9086	0.9783 0.9623	0.9575	0.9788	Ave		0.9207			0.1000	7.6		20.0			
Chlorobromomethane	0.9017 0.6444	0.7435 0.6384	0.6691 0.6592	0.7366	0.7074	Ave		0.7125				12.1		20.0			
Tetrahydrofuran	0.4637 0.6346	0.7562 0.5637	0.6667 0.6079	0.6118	0.6028	Ave		0.6134				13.6		20.0			
Chloroform	+++++ 2.2957	3.2946 2.2644	2.7138 2.3238	2.5758	2.5035	Ave		2.5674			0.2000	14.0		20.0			
1,1,1-Trichloroethane	1.8847 1.9079	2.0323 1.9580	2.0762 2.0522	2.2022	1.9668	Ave		2.0100			0.1000	5.1		20.0			
Cyclohexane	2.8517 2.4309	2.8313 2.5350	2.7053 2.7041	2.7886	2.5915	Ave		2.6798			0.1000	5.6		20.0			
Carbon tetrachloride	1.5976 1.6596	1.8777 1.6956	1.6421 1.8461	1.8531	1.7343	Ave		1.7382			0.1000	6.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 505107

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2019 12:00 Calibration End Date: 11/18/2019 14:41 Calibration ID: 38260

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.6566 1.7445	1.8180 1.7760	1.8591 1.8945	1.9923	1.8120	Ave		1.8191				5.5		20.0			
Benzene	4.8263 5.1745	6.0682 5.0343	5.5652 5.3361	5.7144	5.3380	Ave		5.3821			0.5000	7.3		20.0			
Isobutyl alcohol	0.0845 0.0876	0.0777 0.0725	0.0835 0.0842	0.0709	0.0803	Ave		0.0802				7.5		20.0			
1,2-Dichloroethane	2.1634 2.1218	2.4326 2.0711	2.4110 2.1403	2.3641	2.2274	Ave		2.2415			0.1000	6.3		20.0			
n-Heptane	3.4104 2.4032	3.3042 2.5380	2.9463 2.8052	2.7513	2.5252	Ave		2.8355				12.9		20.0			
Trichloroethene	1.4007 1.3113	1.4435 1.3274	1.4541 1.3832	1.4340	1.3664	Ave		1.3901			0.2000	3.8		20.0			
Methylcyclohexane	2.1632 2.2419	2.4118 2.2970	2.2977 2.5050	2.4994	2.3256	Ave		2.3427			0.1000	5.2		20.0			
1,2-Dichloropropane	1.4428 1.3678	1.5815 1.2857	1.3419 1.3847	1.5064	1.4491	Ave		1.4200			0.1000	6.7		20.0			
Dibromomethane	0.8945 0.8348	1.0268 0.8265	0.9297 0.8655	0.8967	0.8715	Ave		0.8932			0.1000	7.1		20.0			
1,4-Dioxane	+++++ 0.0089	0.0070 0.0071	0.0069 0.0079	0.0091	0.0093	Ave		0.0080				13.3		20.0			
Bromodichloromethane	1.8143 1.7971	1.8273 1.7116	1.7419 1.8389	1.8454	1.8117	Ave		1.7985			0.2000	2.6		20.0			
2-Chloroethyl vinyl ether	0.7233 1.1053	1.0327 0.9791	0.9943 1.0968	1.1093	0.9778	Ave		1.0023				12.6		20.0			
cis-1,3-Dichloropropene	1.9439 2.2653	2.2671 2.1498	2.2267 2.3337	2.4416	2.2400	Ave		2.2335			0.2000	6.5		20.0			
4-Methyl-2-pentanone (MIBK)	0.8267 1.0154	0.9625 0.9252	0.9319 1.0187	1.0200	1.0348	Ave		0.9669			0.1000	7.3		20.0			
Toluene	1.6163 1.5608	1.6850 1.5559	1.6405 1.7118	1.6677	1.6621	Ave		1.6375			0.4000	3.4		20.0			
trans-1,3-Dichloropropene	0.8173 1.0659	0.9906 1.0008	1.0039 1.1415	1.0851	1.0590	Ave		1.0205			0.1000	9.5		20.0			
Ethyl methacrylate	0.6979 0.9664	0.8674 0.8972	0.9568 1.0092	0.9767	0.9929	Ave		0.9206				11.1		20.0			
1,1,2-Trichloroethane	0.3654 0.5171	0.4899 0.4736	0.5360 0.5213	0.5610	0.5324	Ave		0.4996			0.1000	12.1		20.0			
Tetrachloroethene	0.6068 0.6404	0.7046 0.6192	0.6326 0.6947	0.6644	0.6587	Ave		0.6527			0.2000	5.3		20.0			
1,3-Dichloropropane	0.7923 1.1025	1.0940 1.0195	1.1474 1.1219	1.1272	1.1184	Ave		1.0654				11.0		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 505107

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2019 12:00 Calibration End Date: 11/18/2019 14:41 Calibration ID: 38260

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.5572 0.7329	0.7550 0.6481	0.7529 0.7108	0.6974	0.7406	Ave		0.6994			0.1000	9.6		20.0			
Dibromochloromethane	0.4971 0.6054	0.6510 0.5868	0.6197 0.6587	0.5861	0.6111	Ave		0.6020			0.1000	8.3		20.0			
1,2-Dibromoethane	0.5559 0.6240	0.6767 0.5907	0.6678 0.6537	0.5941	0.6677	Ave		0.6288				7.1		20.0			
Chlorobenzene	1.5709 1.7113	1.9493 1.6443	1.7758 1.8027	1.7918	1.8086	Ave		1.7568			0.5000	6.6		20.0			
Ethylbenzene	2.7969 3.0289	2.9379 2.8722	3.2106 3.1477	3.1495	3.1096	Ave		3.0316			0.1000	4.9		20.0			
1,1,1,2-Tetrachloroethane	0.5877 0.5938	0.7307 0.5829	0.5887 0.6076	0.6352	0.6026	Ave		0.6161				8.0		20.0			
m,p-Xylene	0.9980 1.1550	1.2744 1.1018	1.2128 1.2013	1.2165	1.2099	Ave		1.1712			0.1000	7.4		20.0			
o-Xylene	1.0321 1.1375	1.3560 1.0860	1.1850 1.1338	1.2159	1.2226	Ave		1.1711			0.3000	8.4		20.0			
Styrene	1.6547 1.9878	1.9171 1.8010	2.0333 1.9624	1.9403	2.0153	Ave		1.9140			0.3000	6.6		20.0			
Bromoform	0.3811 0.4219	0.3904 0.3926	0.3922 0.4387	0.3930	0.4014	Ave		0.4014			0.1000	4.8		20.0			
Isopropylbenzene	3.0798 3.7594	3.7118 3.5749	3.4976 3.9308	3.6448	3.5794	Ave		3.5973			0.1000	6.9		20.0			
Bromobenzene	0.7374 0.8821	0.9349 0.8211	0.8595 0.8937	0.8417	0.8463	Ave		0.8521				6.8		20.0			
1,1,2,2-Tetrachloroethane	0.9955 1.1173	1.1698 1.0086	1.0574 1.0779	1.0325	1.0410	Ave		1.0625			0.3000	5.5		20.0			
N-Propylbenzene	3.9700 4.5732	4.2451 4.3394	4.4329 4.7228	4.5416	4.2181	Ave		4.3804				5.4		20.0			
1,2,3-Trichloropropane	0.2545 0.3591	0.3440 0.3303	0.4199 0.3553	0.3608	0.3432	Ave		0.3459				13.2		20.0			
trans-1,4-Dichloro-2-butene	0.3238 0.4583	0.3804 0.4093	0.4548 0.4657	0.4008	0.3967	Ave		0.4112				11.6		20.0			
2-Chlorotoluene	0.8138 0.8391	0.8819 0.7886	0.7747 0.8354	0.9023	0.8147	Ave		0.8313				5.2		20.0			
1,3,5-Trimethylbenzene	2.6256 3.1739	3.1216 2.9698	3.0010 3.2040	3.0792	3.0589	Ave		3.0293				6.0		20.0			
4-Chlorotoluene	0.7993 0.8709	0.8709 0.8296	0.8421 0.8870	0.8518	0.8264	Ave		0.8472				3.4		20.0			
tert-Butylbenzene	0.5905 0.6782	0.6952 0.6228	0.6989 0.6729	0.6579	0.6465	Ave		0.6579				5.6		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 505107

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2019 12:00 Calibration End Date: 11/18/2019 14:41 Calibration ID: 38260

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.8538 3.1875	3.1935 2.9921	3.0675 3.1847	3.2526	3.1626	Ave		3.1118				4.3		20.0			
sec-Butylbenzene	3.0716 3.9133	3.9418 3.6138	3.7234 3.9874	3.9507	3.8653	Ave		3.7584				8.1		20.0			
1,3-Dichlorobenzene	1.4161 1.7112	1.7662 1.5627	1.6143 1.6526	1.6997	1.6578	Ave		1.6351			0.6000	6.6		20.0			
4-Isopropyltoluene	2.9041 3.2519	3.3074 3.0541	3.2610 3.3038	3.3773	3.2098	Ave		3.2087				4.8		20.0			
1,4-Dichlorobenzene	1.4498 1.7460	1.6508 1.6313	1.6263 1.6950	1.7851	1.6974	Ave		1.6602			0.5000	6.1		20.0			
n-Butylbenzene	2.8503 3.1257	2.9909 2.8648	2.8966 3.0989	3.3174	3.1078	Ave		3.0315				5.3		20.0			
1,2-Dichlorobenzene	1.1574 1.6512	1.6898 1.5079	1.7487 1.5580	1.7015	1.6354	Ave		1.5812			0.4000	11.9		20.0			
1,2-Dibromo-3-Chloropropane	0.2270 0.2404	0.2398 0.2282	0.2921 0.2387	0.2630	0.2269	Ave		0.2445			0.0500	9.2		20.0			
1,2,4-Trichlorobenzene	1.0631 1.0660	1.1920 0.8781	1.0799 0.8873	1.2663	1.1724	Ave		1.0756			0.2000	12.9		20.0			
Hexachlorobutadiene	0.4301 0.4455	0.5985 0.3788	0.5018 0.3717	0.5389	0.5391	Ave		0.4755				17.2		20.0			
Naphthalene	2.9209 3.1859	3.6033 2.7330	3.5377 2.8046	3.6106	3.6657	Ave		3.2577				12.1		20.0			
1,2,3-Trichlorobenzene	0.9636 0.9083	1.2649 0.7592	0.9947 0.7565	1.1647	1.1172	Ave		0.9911				18.6		20.0			
Dibromofluoromethane (Surr)	1.2178 1.1424	1.1489 1.2016	1.1297 1.1498	1.2064	1.2225	Ave		1.1774				3.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8941 0.7888	0.8338 0.8216	0.8339 0.7912	0.8439	0.8410	Ave		0.8310				4.0		20.0			
Toluene-d8 (Surr)	2.3487 2.2944	2.3416 2.2928	2.3310 2.3213	2.3168	2.3519	Ave		2.3248				1.0		20.0			
4-Bromofluorobenzene (Surr)	0.6678 0.6524	0.6664 0.6398	0.6649 0.6355	0.6333	0.6692	Ave		0.6537				2.4		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 505107

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2019 12:00 Calibration End Date: 11/18/2019 14:41 Calibration ID: 38260

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-505107/4	S2498.D
Level 2	IC 480-505107/5	S2499.D
Level 3	IC 480-505107/6	S2500.D
Level 4	IC 480-505107/7	S2501.D
Level 5	IC 480-505107/8	S2502.D
Level 6	ICIS 480-505107/9	S2503.D
Level 7	IC 480-505107/10	S2504.D
Level 8	IC 480-505107/11	S2505.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	7185 336438	14761 709870	27554 1561433	67489	120827	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	7318 391375	19145 788800	35309 1635007	80692	157107	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	6184 332911	13817 664682	27272 1418532	69520	126261	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	7333 324845	15723 660256	31896 1465989	71017	129138	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	4434 203150	9422 397497	18484 819122	42125	81393	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	4583 199193	10730 399813	20070 839454	42458	83342	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	7495 408372	14881 835252	35489 1826933	84979	159959	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	10018 443403	23788 864218	43843 1844471	94608	180892	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4504 272652	13283 520041	21927 1103038	58924	101712	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	10299 401506	16546 791221	33411 1589848	84037	155183	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3474 234964	8522 474688	17332 1078696	50731	99838	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	5403 236724	11224 455064	20867 1000482	49961	94606	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	12883 658393	27036 1198579	52082 2644447	137368	272163	2.50 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	7542 418897	19140 817772	32160 1757349	87086	172905	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	14846 823818	35342 1591851	62542 3541788	178678	324699	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 505107

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2019 12:00 Calibration End Date: 11/18/2019 14:41 Calibration ID: 38260

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	11320 514319	26058 1020923	41581 2179306	107137	196619	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	11111 687262	24734 1182779	52920 2675125	150839	277622	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	17851 300999	21497 575850	35998 1205999	74460	131121	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	5509 378230	15213 693359	31237 2054266	78882	141865	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	16536 827651	39027 1556351	69525 3375458	174895	338151	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	5503 272455	10513 532042	24149 1172244	57959	114715	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	24843 1600622	64898 2931173	119685 6699253	305046	653221	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	12799 450459	22302 910777	39320 2007124	104501	182680	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	10031 536349	24097 1071949	45193 2293540	117698	216777	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	27431 1740574	64326 3252187	132802 7447427	331471	650005	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5794 254412	12472 497829	22941 1025375	57833	109876	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	5725 314695	13041 600483	25285 1250351	66224	129511	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	16194 1049750	37822 2000707	85517 4427964	205123	417310	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	3791 145423	6396 281146	11699 606600	31559	60320	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	3899 286385	13010 496497	23314 1118834	52423	102807	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 518054	28343 997219	47447 2138450	110354	213470	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	7924 430522	17483 862273	36299 1888544	94350	167707	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	11990 548554	24357 1116367	47298 2488413	119475	220978	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	6717 374505	16153 746739	28709 1698844	79391	147883	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	6965 393666	15640 782133	32504 1743436	85355	154508	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	20292 1167665	52203 2217047	97298 4910584	244825	455165	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 505107

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2019 12:00 Calibration End Date: 11/18/2019 14:41 Calibration ID: 38260

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	8886 493917	16721 798422	36477 1937689	75927	171199	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	9096 478796	20927 912091	42153 1969622	101287	189928	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	14339 542308	28425 1117706	51512 2581496	117877	215324	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5889 295913	12418 584592	25423 1272862	61437	116508	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	9095 505893	20748 1011563	40171 2305258	107084	198299	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	6066 308655	13605 566231	23461 1274296	64540	123565	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	3761 188378	8833 363993	16254 796456	38417	74311	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 83115	2467 127484	4909 288454	16671	31790	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	7628 405538	15720 753773	30455 1692232	79064	154484	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3041 249428	8884 431175	17383 1009347	47528	83376	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	8173 511190	19503 946738	38930 2147581	104608	191001	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	37737 2357837	84788 4167538	164956 9255902	466524	883896	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	14757 724858	29687 1401786	58075 3110451	152548	283948	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	7462 495028	17453 901679	35539 2074244	99260	180911	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	6372 448807	15282 808334	33872 1833750	89348	169622	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	3336 240127	8631 426666	18975 947205	51321	90949	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	5540 297414	12414 557872	22393 1262415	60780	112523	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	7234 512014	19275 918463	40618 2038617	103112	191051	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	25438 1701768	66512 2919283	133273 6458282	318969	632618	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	4538 281139	11469 528703	21939 1196847	53613	104400	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	5075 289775	11923 532169	23641 1187887	54344	114071	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 505107

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2019 12:00 Calibration End Date: 11/18/2019 14:41 Calibration ID: 38260

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	14342 794740	34343 1481364	62864 3275714	163908	308960	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	25535 1406627	51760 2587651	113656 5719671	288104	531212	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5366 275743	12874 525109	20841 1104077	58102	102948	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	9112 536387	22452 992642	42935 2182880	111277	206686	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	9423 528277	23891 978445	41948 2060275	111227	208867	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	15107 923143	33775 1622553	71979 3565859	177487	344286	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	3479 195924	6878 353691	13883 797206	35949	68579	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	23747 1368086	57702 2507658	105350 5456731	283075	543096	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	5686 321011	14533 575970	25889 1240612	65374	128408	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7676 406596	18186 707499	31851 1496367	80186	157951	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	30611 1664209	65993 3043972	133521 6556101	352722	640002	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	1962 130687	5347 231689	12647 493269	28021	52075	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2497 166773	5914 287093	13700 646473	31130	60183	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	6275 305361	13709 553197	23334 1159631	70078	123619	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	20245 1155003	48527 2083232	90392 4447730	239145	464121	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	6163 316923	13539 581913	25365 1231287	66152	125386	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	4553 246802	10808 436855	21052 934085	51096	98088	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	22004 1159965	49645 2098860	92396 4421031	252608	479862	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	23684 1424070	61278 2534986	112150 5535193	306831	586481	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	10919 622716	27457 1096195	48625 2294111	132009	251528	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	22392 1183394	51415 2142342	98224 4586308	262298	487015	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 505107

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2019 12:00 Calibration End Date: 11/18/2019 14:41 Calibration ID: 38260

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	11179 635389	25662 1144308	48986 2352924	138635	257542	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	21977 1137459	46495 2009589	87248 4301826	257641	471541	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	8924 600898	26269 1057743	52672 2162777	132143	248130	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1750 87469	3728 160107	8797 331417	20425	34422	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	8197 387940	18530 615939	32528 1231764	98345	177885	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	3316 162114	9304 265721	15115 516020	41850	81800	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	22522 1159392	56015 1917106	106557 3893317	280412	556193	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	7430 330549	19664 532585	29961 1050104	90459	169506	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	256002 257801	247096 264583	246896 264530	258425	260596	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	187965 178000	179317 180915	182248 182029	180771	179270	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	1072157 1065541	1031381 1032814	1031495 1054506	1059658	1004459	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	304860 303000	293519 288190	294225 288704	289637	285811	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Nov-2019 12:00:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0086222-004
Operator ID: KN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2019 09:34:57 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0317

First Level Reviewer: nowakk Date: 18-Nov-2019 15:14:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.437	0.006	98	210222	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	89	456493	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.821	10.821	0.000	97	385526	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	69	256002	25.0	25.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	90	187965	25.0	26.9	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.000	93	1072157	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	83	304860	25.0	25.5	
10 Dichlorodifluoromethane	85	1.263	1.263	0.000	40	7185	0.5000	0.5343	
12 Chloromethane	50	1.440	1.440	0.000	43	7318	0.5000	0.4637	M
13 Vinyl chloride	62	1.543	1.537	0.006	7	6184	0.5000	0.4796	
151 Butadiene	54	1.543	1.543	0.000	62	7333	0.5000	0.5326	
14 Bromomethane	94	1.835	1.835	0.000	45	4434	0.5000	0.5382	
15 Chloroethane	64	1.926	1.939	-0.013	43	4583	0.5000	0.5346	
16 Dichlorofluoromethane	67	2.158	2.152	0.006	68	10018	0.5000	0.5320	
17 Trichlorofluoromethane	101	2.152	2.152	0.000	34	7495	0.5000	0.4724	
18 Ethyl ether	59	2.437	2.431	0.006	61	4504	0.5000	0.4274	
20 Acrolein	56	2.632	2.620	0.012	43	10299	2.50	3.19	
21 1,1,2-Trichloro-1,2,2-trif	101	2.663	2.650	0.013	26	3474	0.5000	0.3909	
22 1,1-Dichloroethene	96	2.675	2.675	0.000	62	5403	0.5000	0.5570	
23 Acetone	43	2.778	2.784	-0.006	71	12883	2.50	2.54	
25 Iodomethane	142	2.827	2.851	-0.024	47	7542	0.5000	0.4617	
26 Carbon disulfide	76	2.863	2.863	0.000	51	14846	0.5000	0.4660	
28 3-Chloro-1-propene	41	3.034	3.028	0.006	65	11320	0.5000	0.5420	
27 Methyl acetate	43	3.082	3.082	0.000	61	11111	1.00	0.8824	a
30 Methylene Chloride	84	3.180	3.180	0.000	79	17851	0.5000	0.5096	
31 2-Methyl-2-propanol	59	3.393	3.356	0.037	30	5509	5.00	3.78	M
32 Methyl tert-butyl ether	73	3.393	3.393	0.000	61	16536	0.5000	0.5016	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	70	5503	0.5000	0.5083	
33 Acrylonitrile	53	3.478	3.472	0.006	96	24843	5.00	4.21	M
35 Hexane	57	3.593	3.593	0.000	70	12799	0.5000	0.6507	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.831	3.831	0.000	42	10031	0.5000	0.4686	
37 Vinyl acetate	43	3.885	3.885	0.000	87	27431	1.00	0.8678	
44 2,2-Dichloropropane	77	4.342	4.354	-0.012	26	5794	0.5000	0.5431	
45 cis-1,2-Dichloroethene	96	4.390	4.390	0.000	42	5725	0.5000	0.4734	
43 2-Butanone (MEK)	43	4.439	4.427	0.012	83	16194	2.50	2.09	
48 Chlorobromomethane	128	4.621	4.628	-0.007	0	3791	0.5000	0.6327	M
49 Tetrahydrofuran	42	4.646	4.640	0.006	78	3899	1.00	0.7559	
50 Chloroform	83	4.707	4.701	0.006	75	14847	0.5000	0.6877	
51 1,1,1-Trichloroethane	97	4.810	4.810	0.000	31	7924	0.5000	0.4688	
52 Cyclohexane	56	4.822	4.816	0.006	33	11990	0.5000	0.5321	
55 Carbon tetrachloride	117	4.950	4.944	0.006	63	6717	0.5000	0.4595	a
54 1,1-Dichloropropene	75	4.962	4.962	0.000	39	6965	0.5000	0.4553	
57 Benzene	78	5.163	5.169	-0.006	30	20292	0.5000	0.4484	
53 Isobutyl alcohol	43	5.212	5.199	0.013	37	8886	12.5	13.2	
58 1,2-Dichloroethane	62	5.242	5.242	0.000	36	9096	0.5000	0.4826	
59 n-Heptane	43	5.339	5.339	0.000	84	14339	0.5000	0.6014	
62 Trichloroethene	95	5.777	5.777	0.000	56	5889	0.5000	0.5038	
64 Methylcyclohexane	83	5.893	5.893	0.000	66	9095	0.5000	0.4617	
65 1,2-Dichloropropane	63	6.021	6.027	-0.006	56	6066	0.5000	0.5080	
67 Dibromomethane	93	6.161	6.161	0.000	56	3761	0.5000	0.5007	
66 1,4-Dioxane	88	6.228	6.173	0.055	1	680	10.0	4.63	M
68 Dichlorobromomethane	83	6.313	6.319	-0.006	45	7628	0.5000	0.5044	
69 2-Chloroethyl vinyl ether	63	6.599	6.599	0.000	0	3041	0.5000	0.3608	M
72 cis-1,3-Dichloropropene	75	6.732	6.733	0.000	50	8173	0.5000	0.4352	
73 4-Methyl-2-pentanone (MIBK	43	6.878	6.879	0.000	78	37737	2.50	2.14	
74 Toluene	92	7.018	7.018	0.000	88	14757	0.5000	0.4935	
77 trans-1,3-Dichloropropene	75	7.310	7.304	0.006	63	7462	0.5000	0.4004	
75 Ethyl methacrylate	69	7.347	7.347	0.000	0	6372	0.5000	0.3791	M
79 1,1,2-Trichloroethane	83	7.499	7.493	0.006	24	3336	0.5000	0.3657	
81 Tetrachloroethene	166	7.536	7.548	-0.012	52	5540	0.5000	0.4649	
82 1,3-Dichloropropane	76	7.663	7.657	0.006	48	7234	0.5000	0.3719	
80 2-Hexanone	43	7.724	7.718	0.006	68	25438	2.50	1.99	
83 Chlorodibromomethane	129	7.888	7.888	0.000	34	4538	0.5000	0.4128	
84 Ethylene Dibromide	107	7.986	7.998	-0.012	56	5075	0.5000	0.4420	
87 Chlorobenzene	112	8.472	8.466	0.006	15	14342	0.5000	0.4471	
88 Ethylbenzene	91	8.551	8.558	-0.007	84	25535	0.5000	0.4613	
89 1,1,1,2-Tetrachloroethane	131	8.564	8.564	0.000	20	5366	0.5000	0.4769	
90 m-Xylene & p-Xylene	106	8.679	8.679	0.000	90	9112	0.5000	0.4261	
91 o-Xylene	106	9.105	9.105	0.000	80	9423	0.5000	0.4406	
92 Styrene	104	9.136	9.136	0.000	54	15107	0.5000	0.4323	
95 Bromoform	173	9.397	9.391	0.006	0	3479	0.5000	0.4747	M
94 Isopropylbenzene	105	9.488	9.488	0.000	75	23747	0.5000	0.4281	
101 Bromobenzene	156	9.835	9.835	0.000	72	5686	0.5000	0.4327	
97 1,1,2,2-Tetrachloroethane	83	9.896	9.896	0.000	38	7676	0.5000	0.4685	
99 N-Propylbenzene	91	9.914	9.914	0.000	81	30611	0.5000	0.4532	
100 1,2,3-Trichloropropane	110	9.920	9.932	-0.012	1	1962	0.5000	0.3678	
98 trans-1,4-Dichloro-2-buten	53	9.945	9.945	0.000	1	2497	0.5000	0.3937	M
103 2-Chlorotoluene	126	10.018	10.024	-0.006	70	6275	0.5000	0.4895	
102 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	77	20245	0.5000	0.4334	
105 4-Chlorotoluene	126	10.133	10.133	0.000	58	6163	0.5000	0.4717	
106 tert-Butylbenzene	134	10.407	10.407	0.000	68	4553	0.5000	0.4488	
107 1,2,4-Trimethylbenzene	105	10.462	10.462	0.000	50	22004	0.5000	0.4585	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.620	10.620	0.000	59	23684	0.5000	0.4086	
111 1,3-Dichlorobenzene	146	10.754	10.760	-0.006	47	10919	0.5000	0.4330	
110 4-Isopropyltoluene	119	10.760	10.760	0.000	89	22392	0.5000	0.4525	
113 1,4-Dichlorobenzene	146	10.845	10.845	0.000	1	11179	0.5000	0.4366	
115 n-Butylbenzene	91	11.149	11.143	0.006	68	21977	0.5000	0.4701	
116 1,2-Dichlorobenzene	146	11.204	11.198	0.006	66	8924	0.5000	0.3660	
117 1,2-Dibromo-3-Chloropropan	75	11.934	11.928	0.006	4	1750	0.5000	0.4641	
119 1,2,4-Trichlorobenzene	180	12.603	12.597	0.006	47	8197	0.5000	0.4942	
120 Hexachlorobutadiene	225	12.700	12.707	-0.007	30	3316	0.5000	0.4522	
121 Naphthalene	128	12.816	12.816	0.000	86	22522	0.5000	0.4483	
122 1,2,3-Trichlorobenzene	180	13.017	13.017	0.000	69	7430	0.5000	0.4861	
S 123 Total BTEX	1				0			2.27	
S 126 1,3-Dichloropropene, Total	1				0			0.8356	
S 125 1,2-Dichloroethene, Total	1				0			0.9817	
S 124 Xylenes, Total	1				0			0.8667	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00369	Amount Added:	0.50	Units: uL	
8260 CORP mix_00171	Amount Added:	0.50	Units: uL	
S_8260_IS_00328	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00337	Amount Added:	1.00	Units: uL	Run Reagent

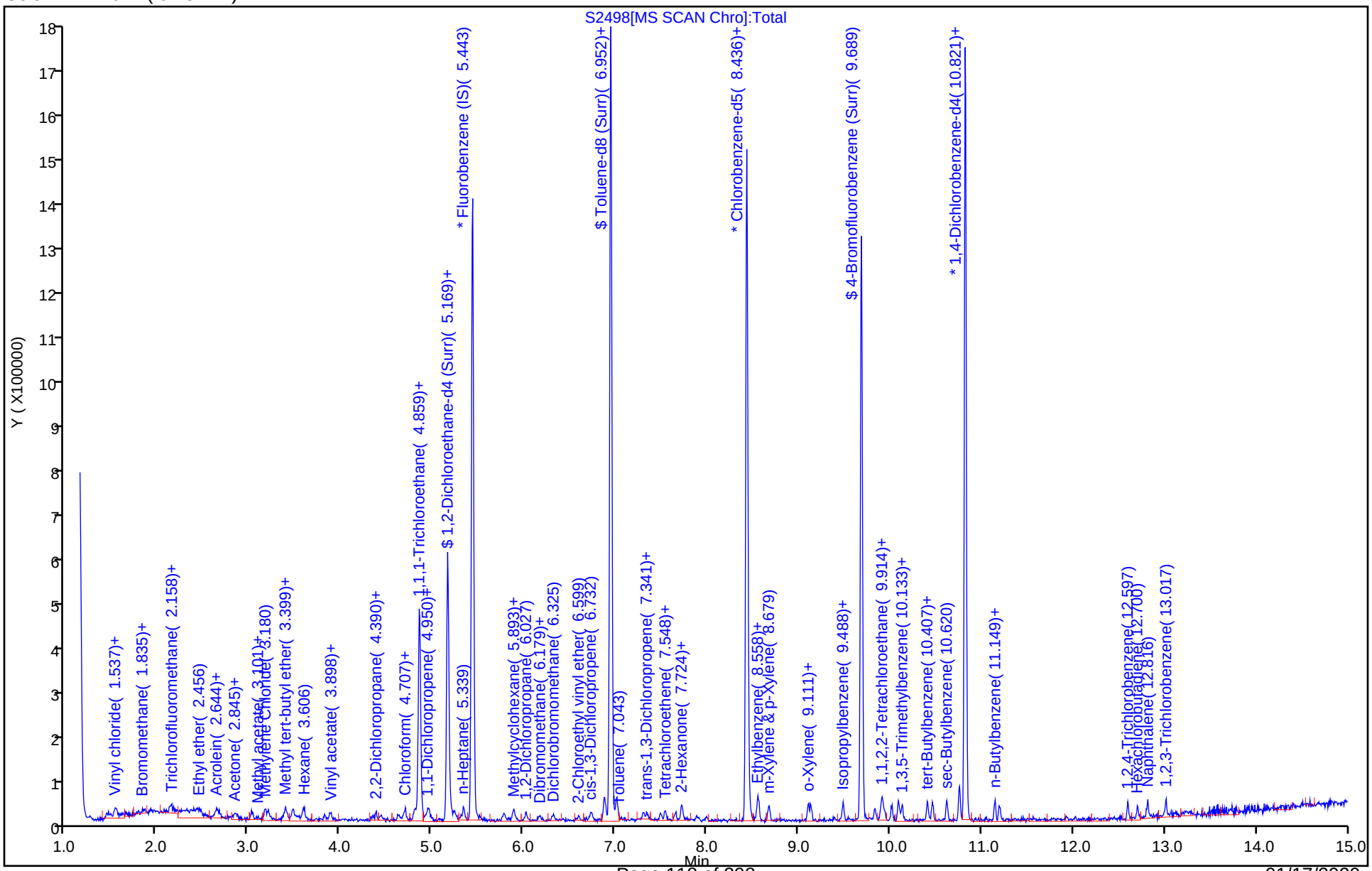
Report Date: 19-Nov-2019 09:35:00 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D

Injection Date:	18-Nov-2019 12:00:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	IC 0.5			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

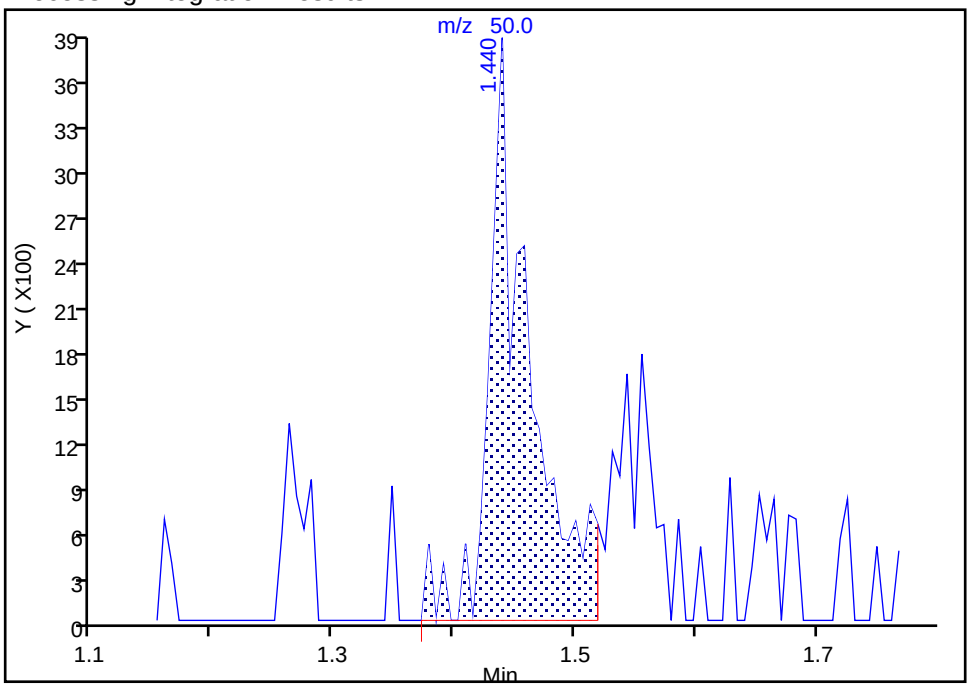
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D
Injection Date: 18-Nov-2019 12:00:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: KN ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

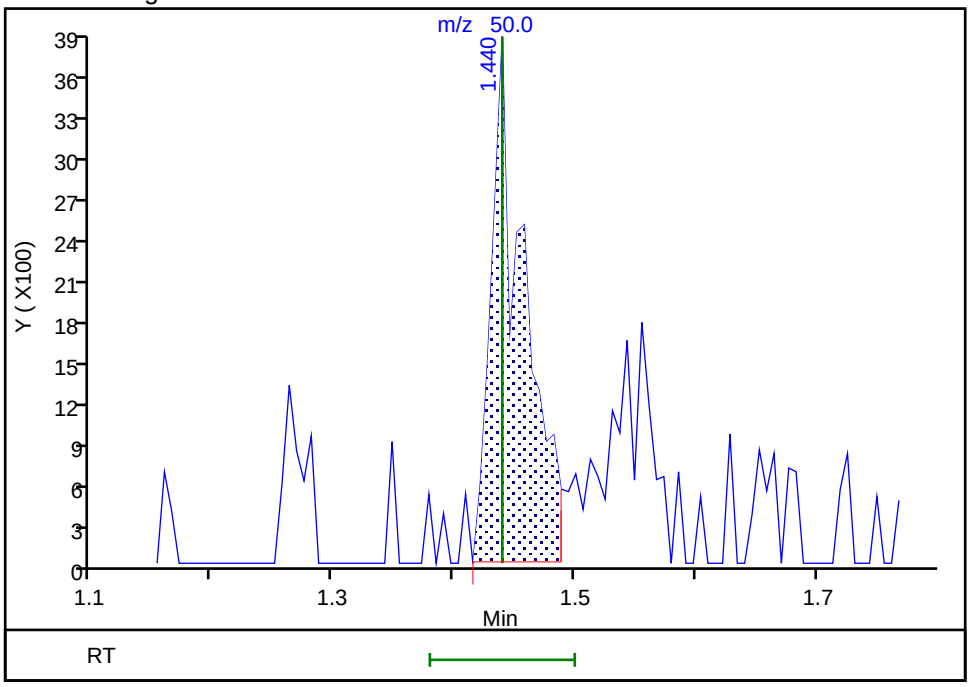
Processing Integration Results

RT: 1.44
Area: 8958
Amount: 0.553270
Amount Units: ug/L



Manual Integration Results

RT: 1.44
Area: 7318
Amount: 0.463722
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:08:45
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

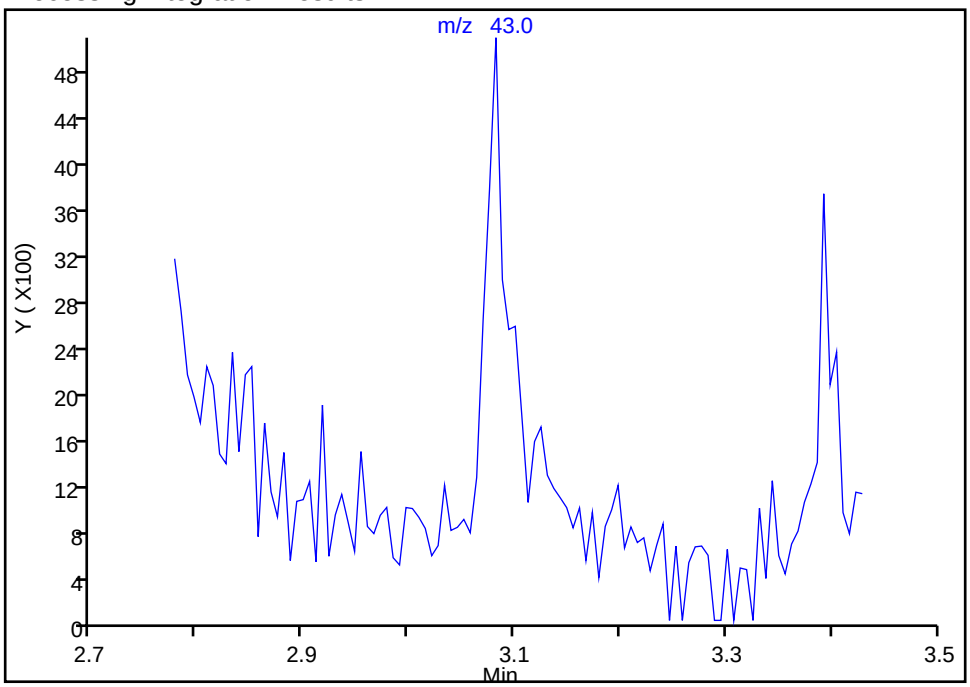
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D
Injection Date: 18-Nov-2019 12:00:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: KN ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

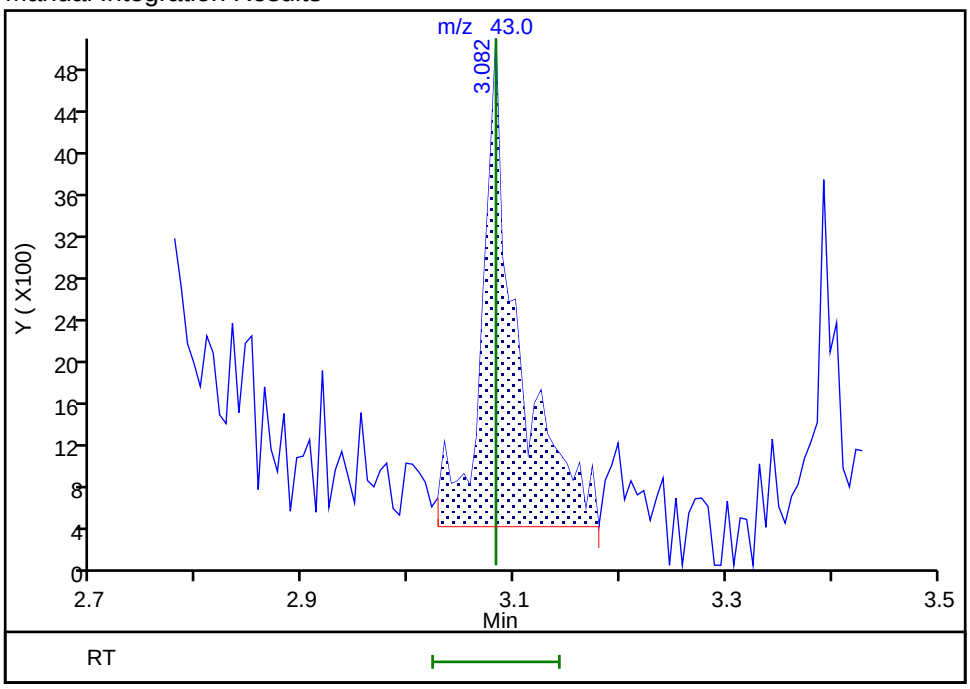
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 11111
Amount: 0.882383
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:10:19
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

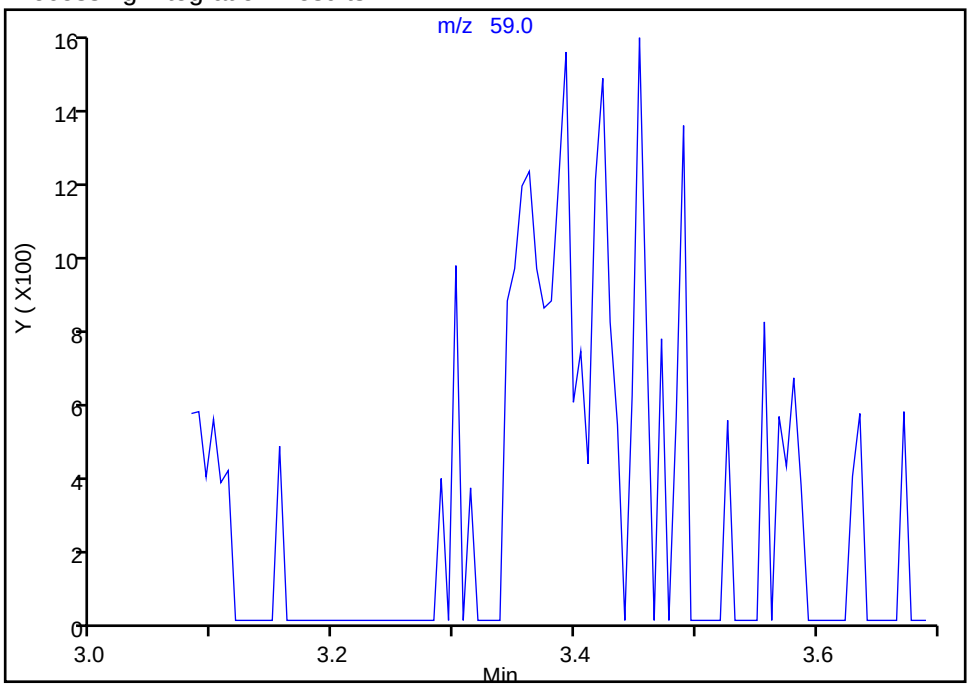
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D
Injection Date: 18-Nov-2019 12:00:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: KN ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

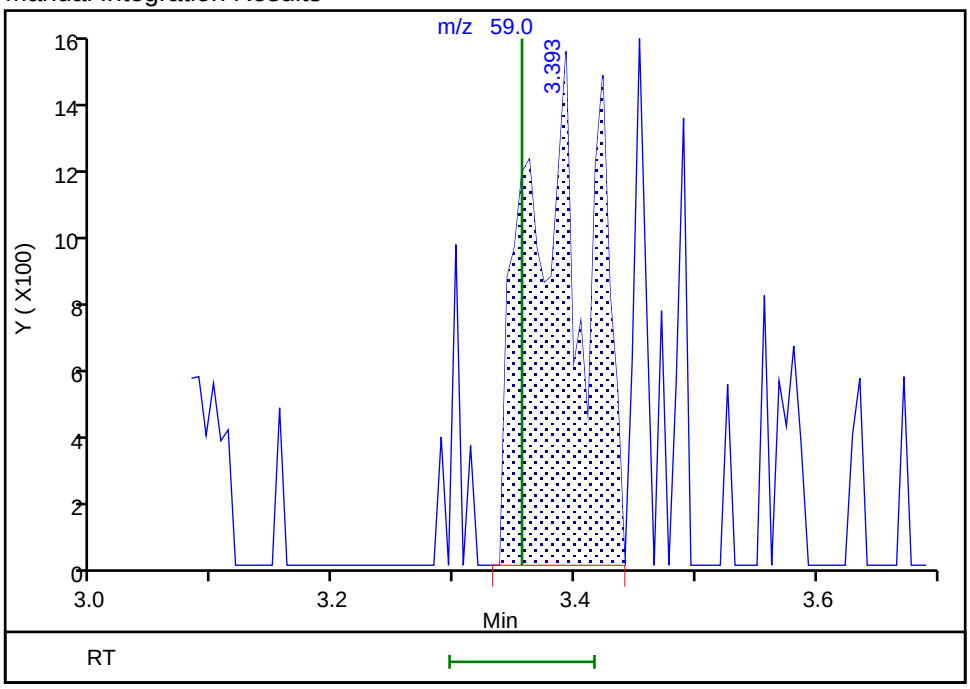
Not Detected
Expected RT: 3.36

Processing Integration Results



Manual Integration Results

RT: 3.39
Area: 5509
Amount: 3.783369
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:10:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

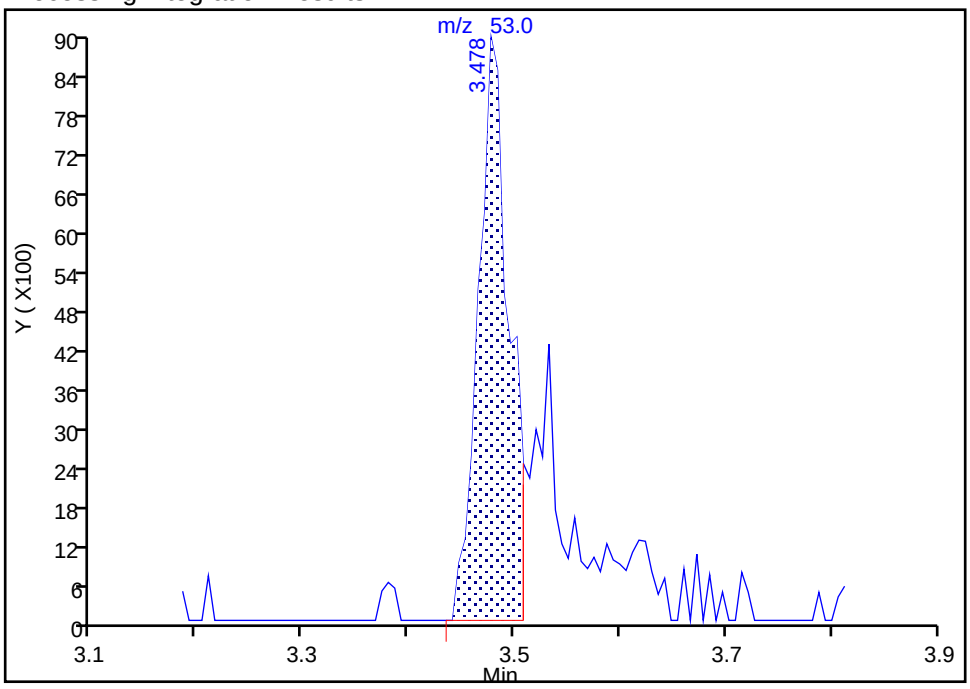
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D
Injection Date: 18-Nov-2019 12:00:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: KN ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

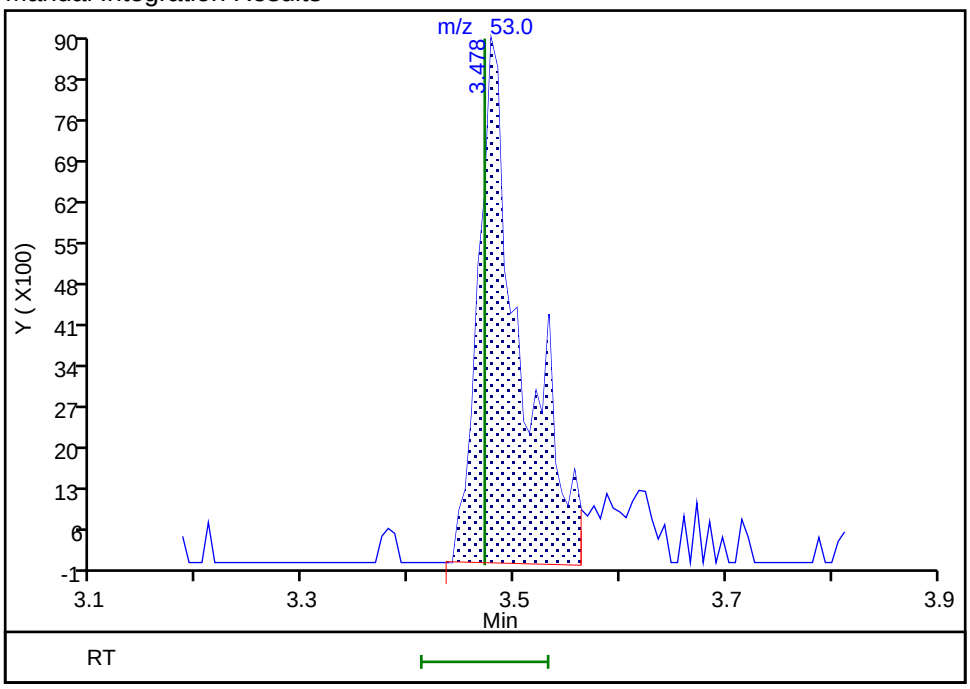
Processing Integration Results

RT: 3.48
Area: 18080
Amount: 3.926970
Amount Units: ug/L



Manual Integration Results

RT: 3.48
Area: 24843
Amount: 4.212431
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:11:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

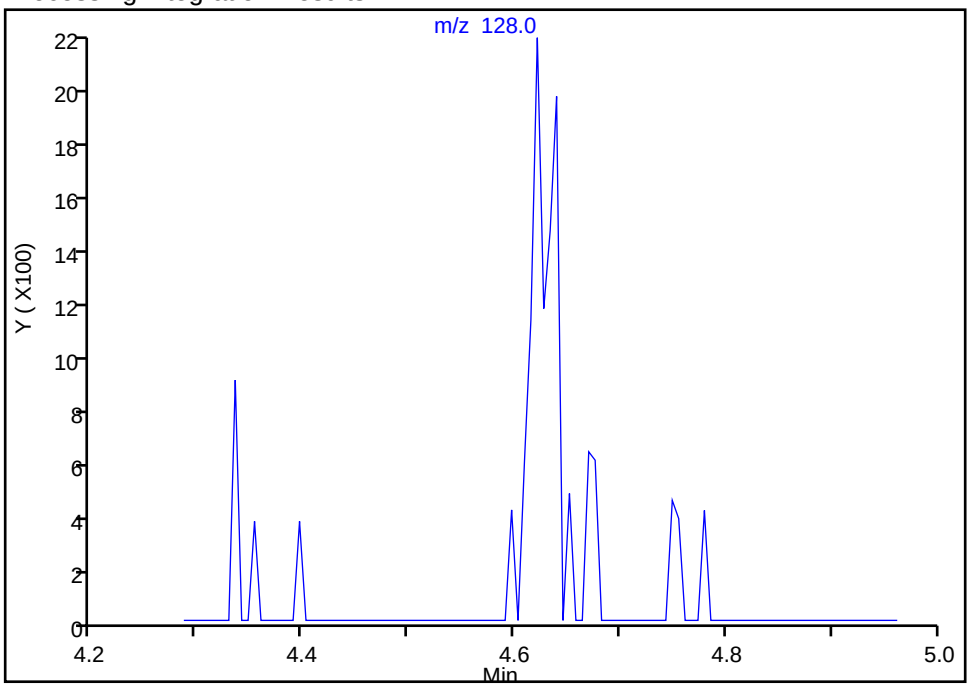
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D
Injection Date: 18-Nov-2019 12:00:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: KN ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

48 Chlorobromomethane, CAS: 74-97-5

Signal: 1

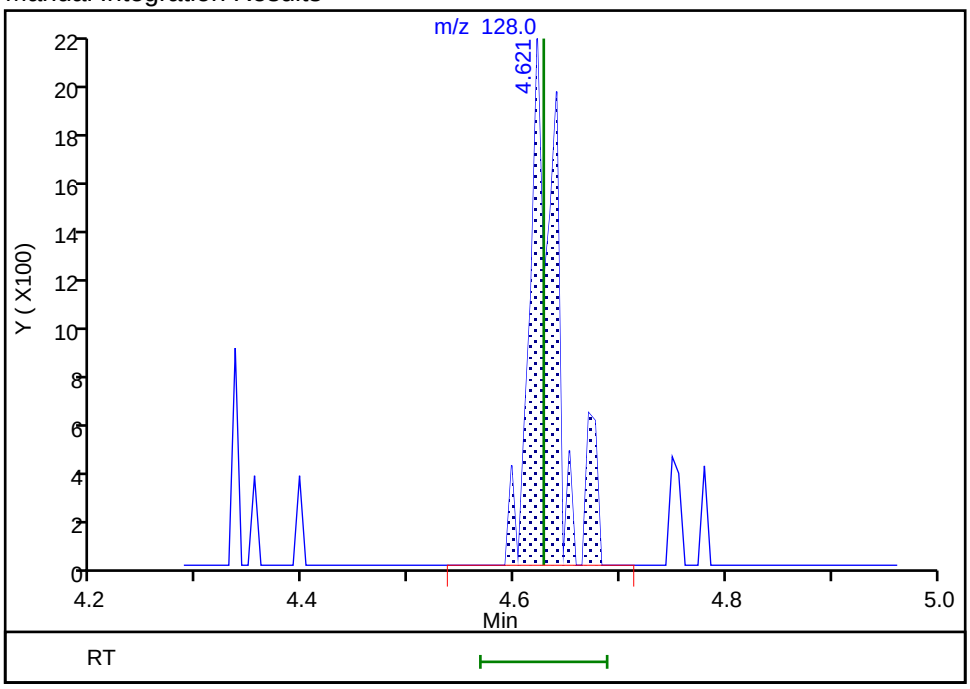
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 3791
Amount: 0.632712
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:11:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

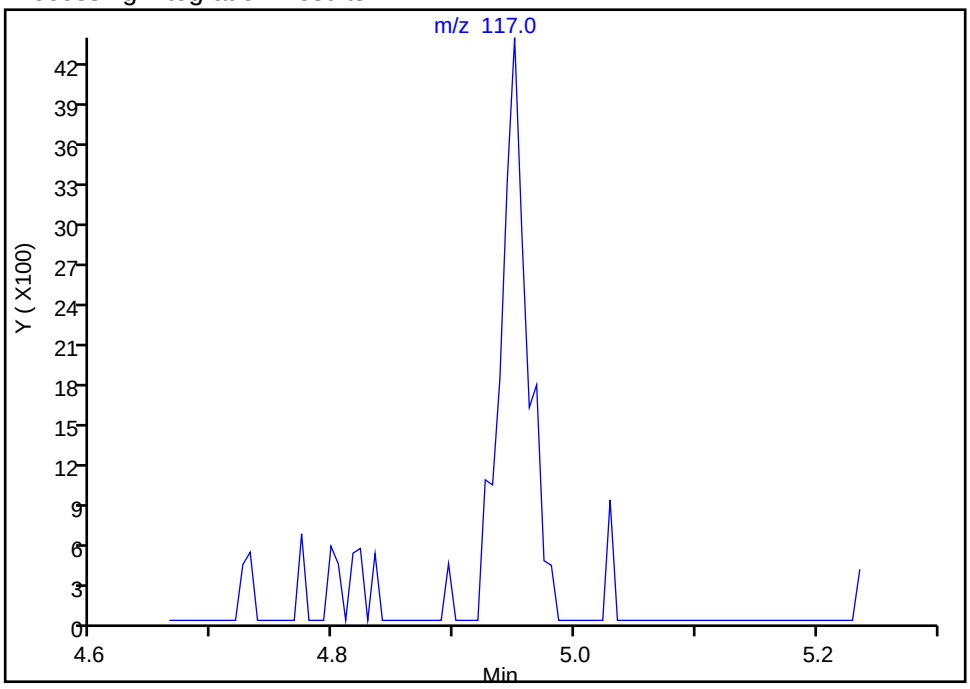
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D
Injection Date: 18-Nov-2019 12:00:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: KN ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

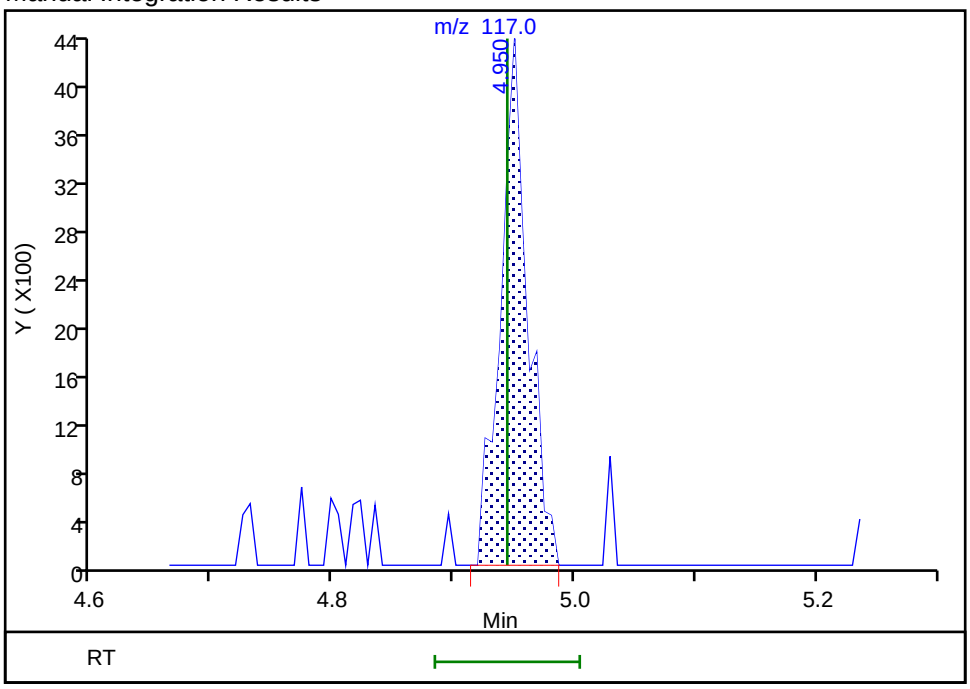
Not Detected
Expected RT: 4.94

Processing Integration Results



Manual Integration Results

RT: 4.95
Area: 6717
Amount: 0.459542
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:12:14
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

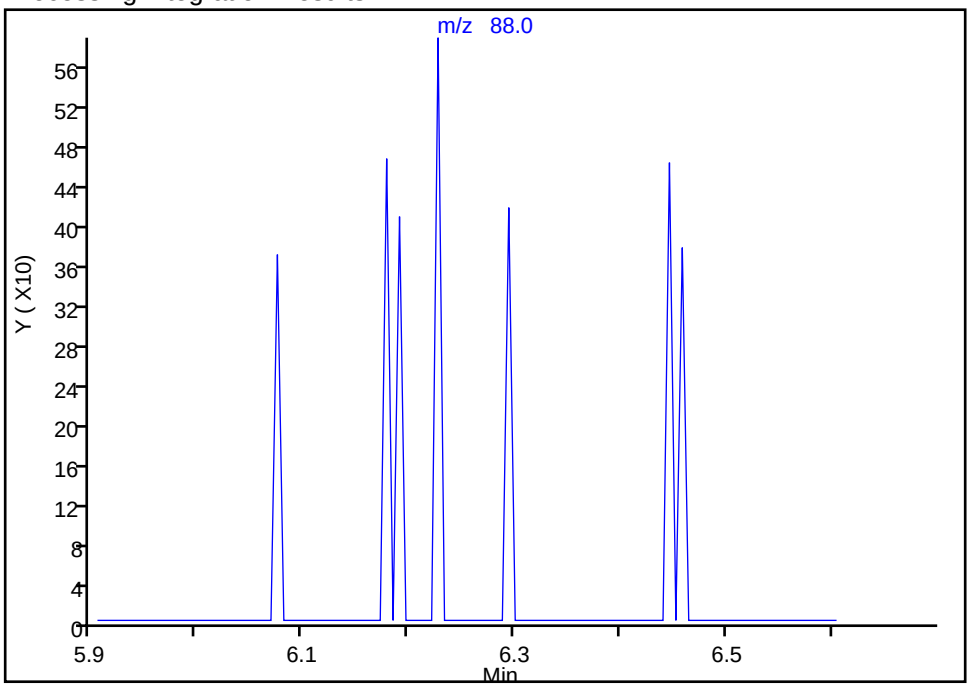
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D
Injection Date: 18-Nov-2019 12:00:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: KN ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

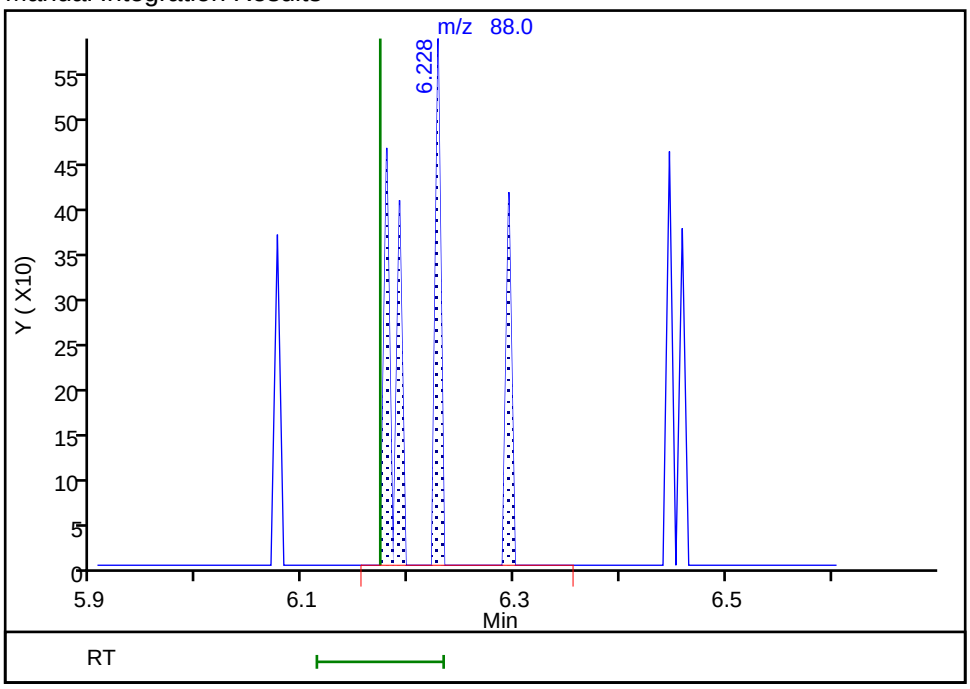
Not Detected
Expected RT: 6.17

Processing Integration Results



Manual Integration Results

RT: 6.23
Area: 680
Amount: 4.629230
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:12:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

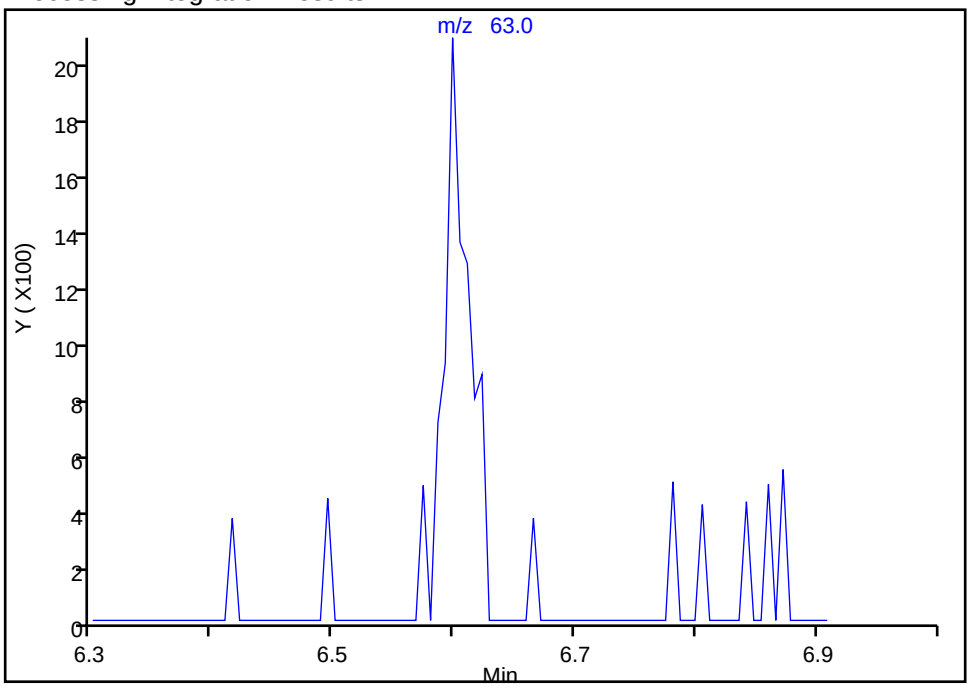
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D
Injection Date: 18-Nov-2019 12:00:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: KN ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

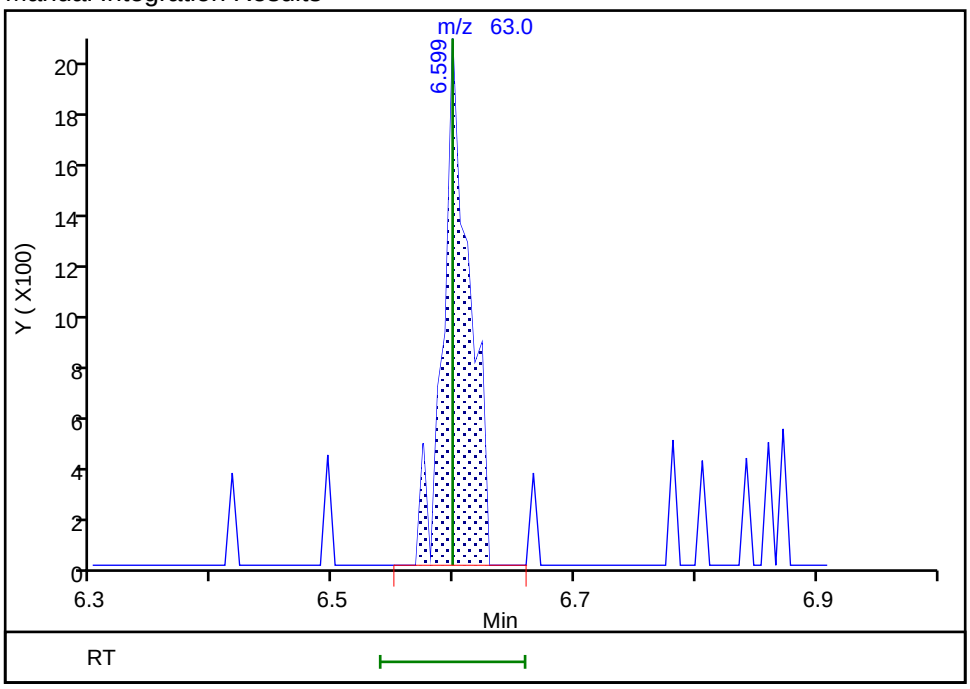
Not Detected
Expected RT: 6.60

Processing Integration Results



Manual Integration Results

RT: 6.60
Area: 3041
Amount: 0.360803
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:13:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

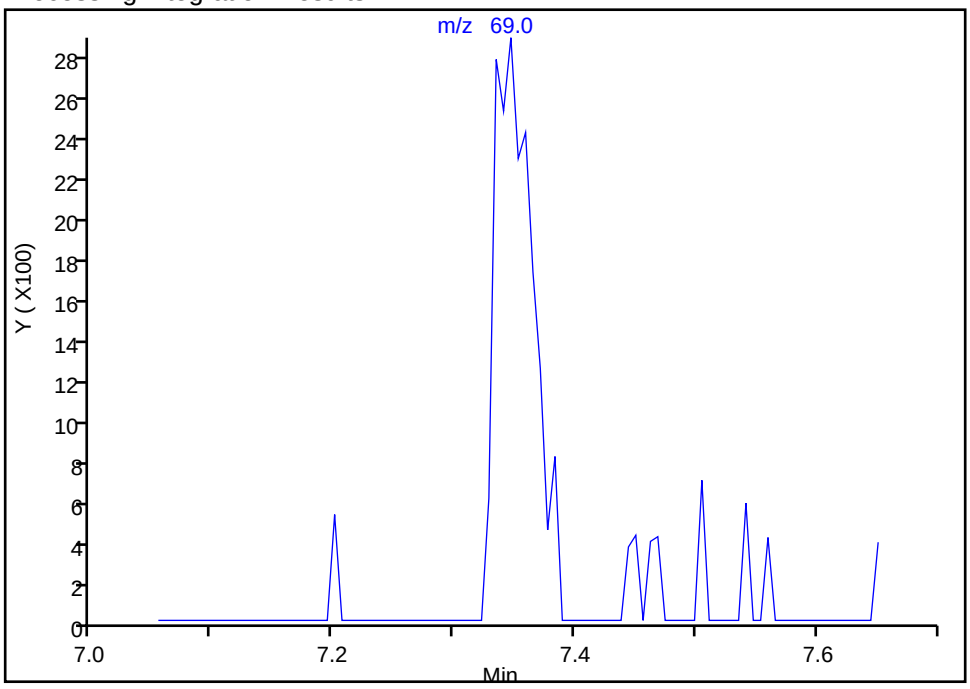
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D
Injection Date: 18-Nov-2019 12:00:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: KN ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

75 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

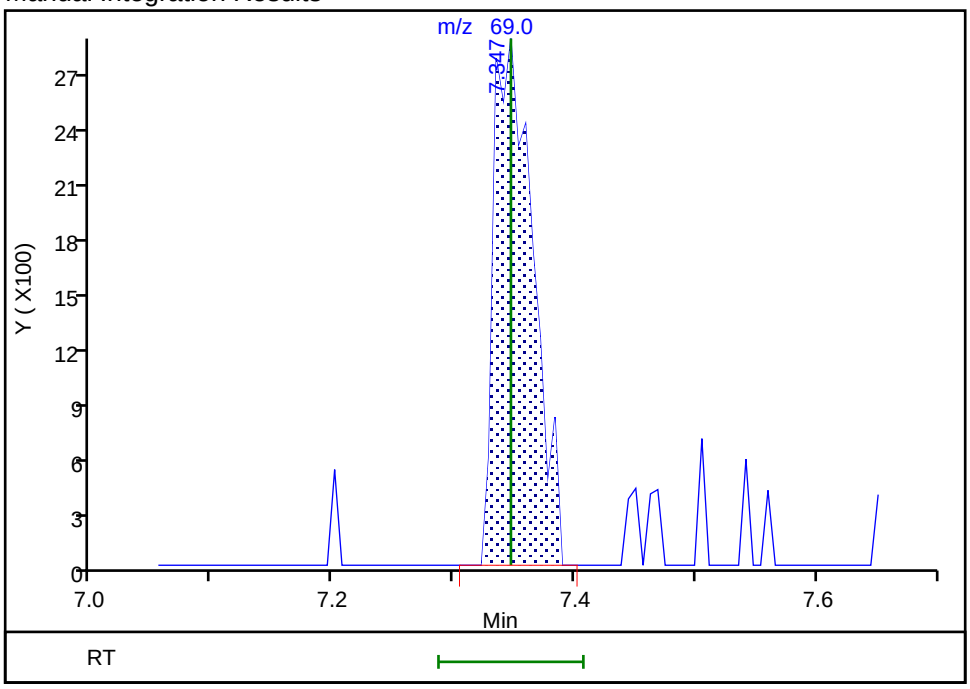
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.35
Area: 6372
Amount: 0.379072
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:13:12
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

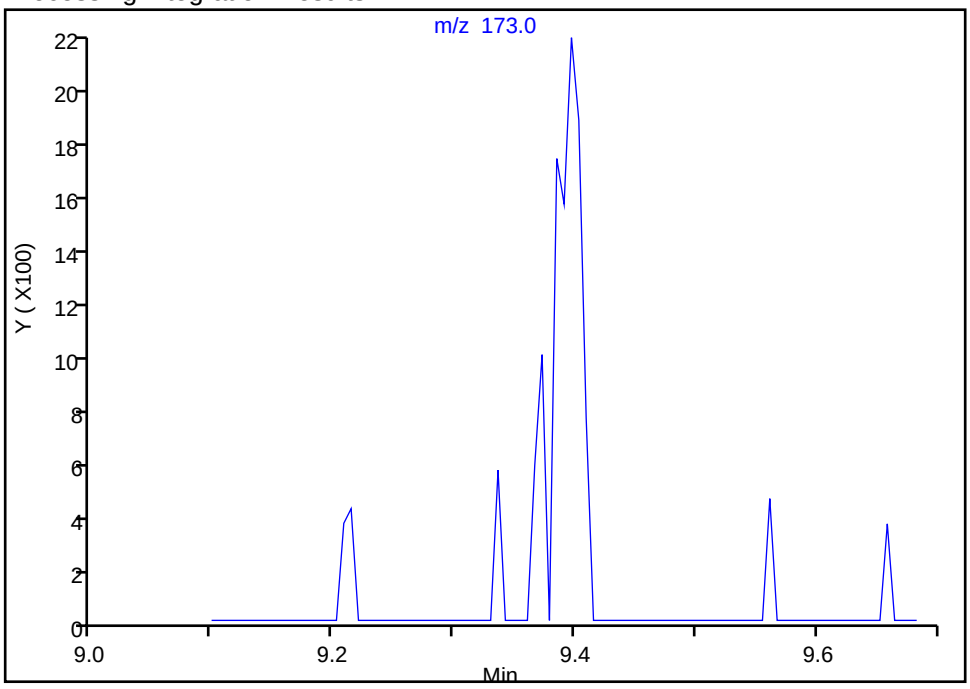
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D
Injection Date: 18-Nov-2019 12:00:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: KN ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

95 Bromoform, CAS: 75-25-2

Signal: 1

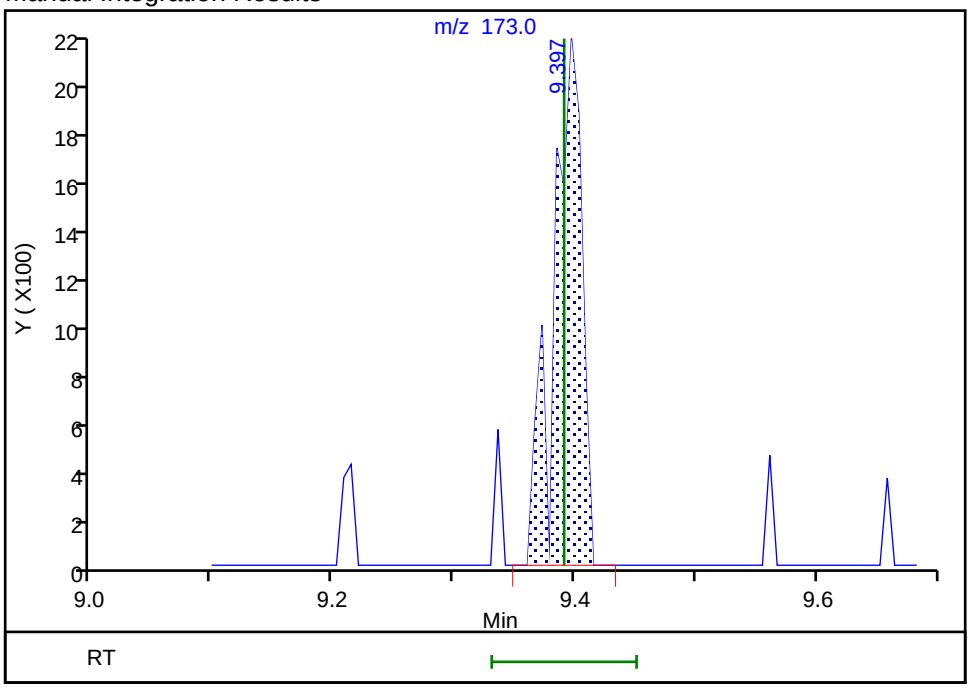
Not Detected
Expected RT: 9.39

Processing Integration Results



Manual Integration Results

RT: 9.40
Area: 3479
Amount: 0.474655
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:13:25
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

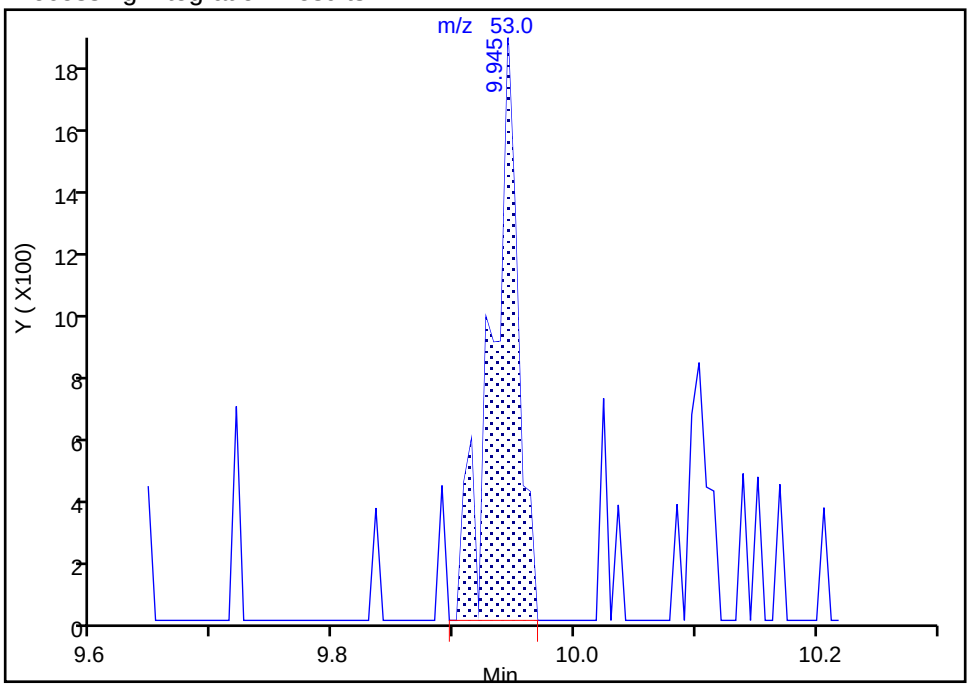
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2498.D
Injection Date: 18-Nov-2019 12:00:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: KN ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

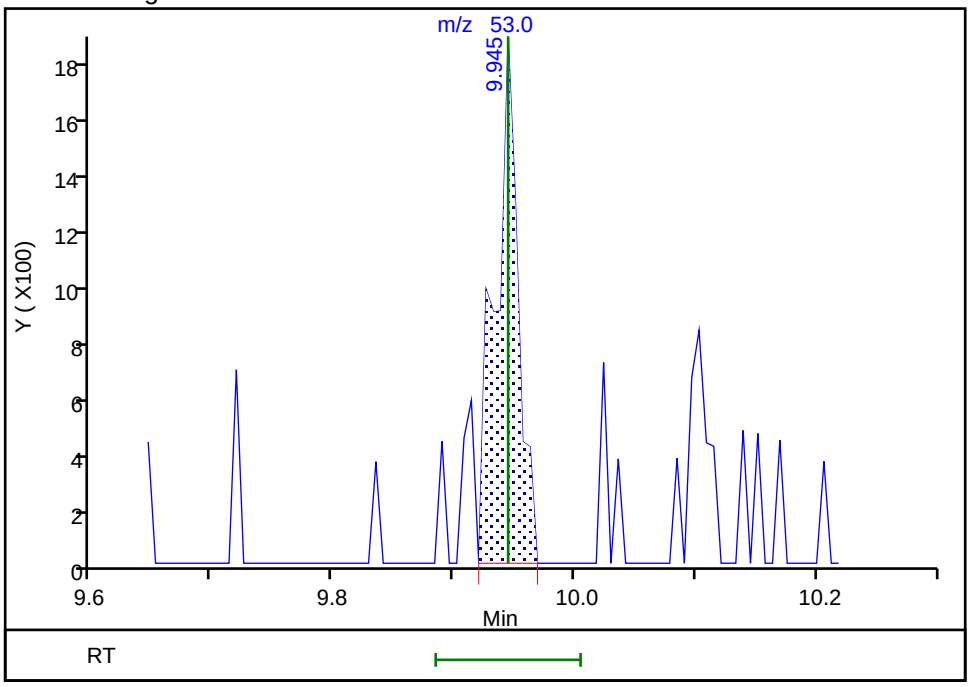
Processing Integration Results

RT: 9.94
Area: 2875
Amount: 0.446699
Amount Units: ug/L



Manual Integration Results

RT: 9.94
Area: 2497
Amount: 0.393749
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:13:51
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2499.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Nov-2019 12:23:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0086222-005
Operator ID: KN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2019 09:35:06 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0317

First Level Reviewer: nowakk Date: 18-Nov-2019 15:16:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.437	0.006	98	215069	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	88	440455	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.821	10.821	0.000	96	388640	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	55	247096	25.0	24.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	93	179317	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.000	92	1031381	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	84	293519	25.0	25.5	
10 Dichlorodifluoromethane	85	1.257	1.263	-0.006	71	14761	1.00	1.07	
12 Chloromethane	50	1.440	1.440	0.000	69	19145	1.00	1.19	
13 Vinyl chloride	62	1.525	1.537	-0.012	69	13817	1.00	1.05	
151 Butadiene	54	1.543	1.543	0.000	92	15723	1.00	1.12	
14 Bromomethane	94	1.835	1.835	0.000	58	9422	1.00	1.12	
15 Chloroethane	64	1.945	1.939	0.006	50	10730	1.00	1.22	
16 Dichlorofluoromethane	67	2.152	2.152	0.000	67	23788	1.00	1.23	
17 Trichlorofluoromethane	101	2.152	2.152	0.000	61	14881	1.00	0.9169	
18 Ethyl ether	59	2.432	2.431	0.001	78	13283	1.00	1.23	
20 Acrolein	56	2.626	2.620	0.006	73	16546	5.00	5.01	M
21 1,1,2-Trichloro-1,2,2-trif	101	2.657	2.650	0.007	58	8522	1.00	0.9374	
22 1,1-Dichloroethene	96	2.663	2.675	-0.012	68	11224	1.00	1.13	
23 Acetone	43	2.791	2.784	0.007	84	27036	5.00	5.22	M
25 Iodomethane	142	2.845	2.851	-0.006	35	19140	1.00	1.15	
26 Carbon disulfide	76	2.851	2.863	-0.012	78	35342	1.00	1.08	
28 3-Chloro-1-propene	41	3.028	3.028	0.000	85	26058	1.00	1.22	
27 Methyl acetate	43	3.083	3.082	0.001	96	24734	2.00	1.92	
30 Methylene Chloride	84	3.174	3.180	-0.006	82	21497	1.00	0.7995	
31 2-Methyl-2-propanol	59	3.356	3.356	0.000	65	15213	10.0	10.2	M
32 Methyl tert-butyl ether	73	3.387	3.393	-0.006	85	39027	1.00	1.16	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	81	10513	1.00	0.9492	
33 Acrylonitrile	53	3.478	3.472	0.006	91	64898	10.0	10.8	
35 Hexane	57	3.600	3.593	0.007	82	22302	1.00	1.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.831	3.831	0.000	70	24097	1.00	1.10	
37 Vinyl acetate	43	3.892	3.885	0.007	96	64326	2.00	1.99	
44 2,2-Dichloropropane	77	4.354	4.354	0.000	61	12472	1.00	1.14	
45 cis-1,2-Dichloroethene	96	4.384	4.390	-0.006	58	13041	1.00	1.05	
43 2-Butanone (MEK)	43	4.433	4.427	0.006	93	37822	5.00	4.78	
48 Chlorobromomethane	128	4.622	4.628	-0.006	74	6396	1.00	1.04	
49 Tetrahydrofuran	42	4.646	4.640	0.006	88	13010	2.00	2.47	
50 Chloroform	83	4.701	4.701	0.000	57	28343	1.00	1.28	
51 1,1,1-Trichloroethane	97	4.804	4.810	-0.006	77	17483	1.00	1.01	
52 Cyclohexane	56	4.822	4.816	0.006	80	24357	1.00	1.06	
55 Carbon tetrachloride	117	4.944	4.944	0.000	65	16153	1.00	1.08	
54 1,1-Dichloropropene	75	4.962	4.962	0.000	72	15640	1.00	1.00	
57 Benzene	78	5.175	5.169	0.006	46	52203	1.00	1.13	
53 Isobutyl alcohol	43	5.206	5.199	0.007	67	16721	25.0	24.2	
58 1,2-Dichloroethane	62	5.248	5.242	0.006	63	20927	1.00	1.09	
59 n-Heptane	43	5.346	5.339	0.007	87	28425	1.00	1.17	
62 Trichloroethene	95	5.790	5.777	0.013	66	12418	1.00	1.04	
64 Methylcyclohexane	83	5.899	5.893	0.006	78	20748	1.00	1.03	
65 1,2-Dichloropropane	63	6.021	6.027	-0.006	79	13605	1.00	1.11	
67 Dibromomethane	93	6.167	6.161	0.006	67	8833	1.00	1.15	
66 1,4-Dioxane	88	6.185	6.173	0.012	42	2467	20.0	17.4	
68 Dichlorobromomethane	83	6.313	6.319	-0.006	76	15720	1.00	1.02	
69 2-Chloroethyl vinyl ether	63	6.605	6.599	0.006	51	8884	1.00	1.03	
72 cis-1,3-Dichloropropene	75	6.733	6.733	0.001	67	19503	1.00	1.02	
73 4-Methyl-2-pentanone (MIBK	43	6.879	6.879	0.001	96	84788	5.00	4.98	
74 Toluene	92	7.019	7.018	0.001	81	29687	1.00	1.03	
77 trans-1,3-Dichloropropene	75	7.311	7.304	0.007	78	17453	1.00	0.9707	a
75 Ethyl methacrylate	69	7.347	7.347	0.000	63	15282	1.00	0.9422	
79 1,1,2-Trichloroethane	83	7.499	7.493	0.006	55	8631	1.00	0.9806	a
81 Tetrachloroethene	166	7.542	7.548	-0.006	69	12414	1.00	1.08	
82 1,3-Dichloropropane	76	7.663	7.657	0.006	54	19275	1.00	1.03	
80 2-Hexanone	43	7.724	7.718	0.006	95	66512	5.00	5.40	
83 Chlorodibromomethane	129	7.889	7.888	0.001	58	11469	1.00	1.08	
84 Ethylene Dibromide	107	7.998	7.998	0.000	64	11923	1.00	1.08	
87 Chlorobenzene	112	8.466	8.466	0.000	84	34343	1.00	1.11	
88 Ethylbenzene	91	8.558	8.558	0.000	97	51760	1.00	0.9691	
89 1,1,1,2-Tetrachloroethane	131	8.564	8.564	0.000	35	12874	1.00	1.19	
90 m-Xylene & p-Xylene	106	8.679	8.679	0.000	97	22452	1.00	1.09	
91 o-Xylene	106	9.105	9.105	0.000	91	23891	1.00	1.16	
92 Styrene	104	9.136	9.136	0.000	80	33775	1.00	1.00	
95 Bromoform	173	9.385	9.391	-0.006	69	6878	1.00	0.9726	
94 Isopropylbenzene	105	9.489	9.488	0.001	87	57702	1.00	1.03	
101 Bromobenzene	156	9.835	9.835	0.000	86	14533	1.00	1.10	
97 1,1,2,2-Tetrachloroethane	83	9.896	9.896	0.000	65	18186	1.00	1.10	
99 N-Propylbenzene	91	9.914	9.914	0.000	94	65993	1.00	0.9691	
100 1,2,3-Trichloropropane	110	9.939	9.932	0.007	49	5347	1.00	0.99	
98 trans-1,4-Dichloro-2-buten	53	9.945	9.945	0.000	2	5914	1.00	0.9251	
103 2-Chlorotoluene	126	10.018	10.024	-0.006	89	13709	1.00	1.06	
102 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	79	48527	1.00	1.03	
105 4-Chlorotoluene	126	10.133	10.133	0.000	85	13539	1.00	1.03	
106 tert-Butylbenzene	134	10.413	10.407	0.006	77	10808	1.00	1.06	
107 1,2,4-Trimethylbenzene	105	10.468	10.462	0.006	1	49645	1.00	1.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.620	10.620	0.000	84	61278	1.00	1.05	
111 1,3-Dichlorobenzene	146	10.760	10.760	0.000	63	27457	1.00	1.08	
110 4-Isopropyltoluene	119	10.760	10.760	0.000	88	51415	1.00	1.03	
113 1,4-Dichlorobenzene	146	10.839	10.845	-0.006	42	25662	1.00	0.99	
115 n-Butylbenzene	91	11.143	11.143	0.000	90	46495	1.00	0.9866	
116 1,2-Dichlorobenzene	146	11.198	11.198	0.000	82	26269	1.00	1.07	
117 1,2-Dibromo-3-Chloropropan	75	11.934	11.928	0.006	22	3728	1.00	0.9808	
119 1,2,4-Trichlorobenzene	180	12.597	12.597	0.000	77	18530	1.00	1.11	
120 Hexachlorobutadiene	225	12.707	12.707	0.000	72	9304	1.00	1.26	
121 Naphthalene	128	12.810	12.816	-0.006	95	56015	1.00	1.11	
122 1,2,3-Trichlorobenzene	180	13.017	13.017	0.000	68	19664	1.00	1.28	
S 123 Total BTEX	1				0			5.37	
S 126 1,3-Dichloropropene, Total	1				0			1.99	
S 125 1,2-Dichloroethene, Total	1				0			2.00	
S 124 Xylenes, Total	1				0			2.25	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00369	Amount Added:	1.00	Units: uL	
8260 CORP mix_00171	Amount Added:	1.00	Units: uL	
S_8260_IS_00328	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00337	Amount Added:	1.00	Units: uL	Run Reagent

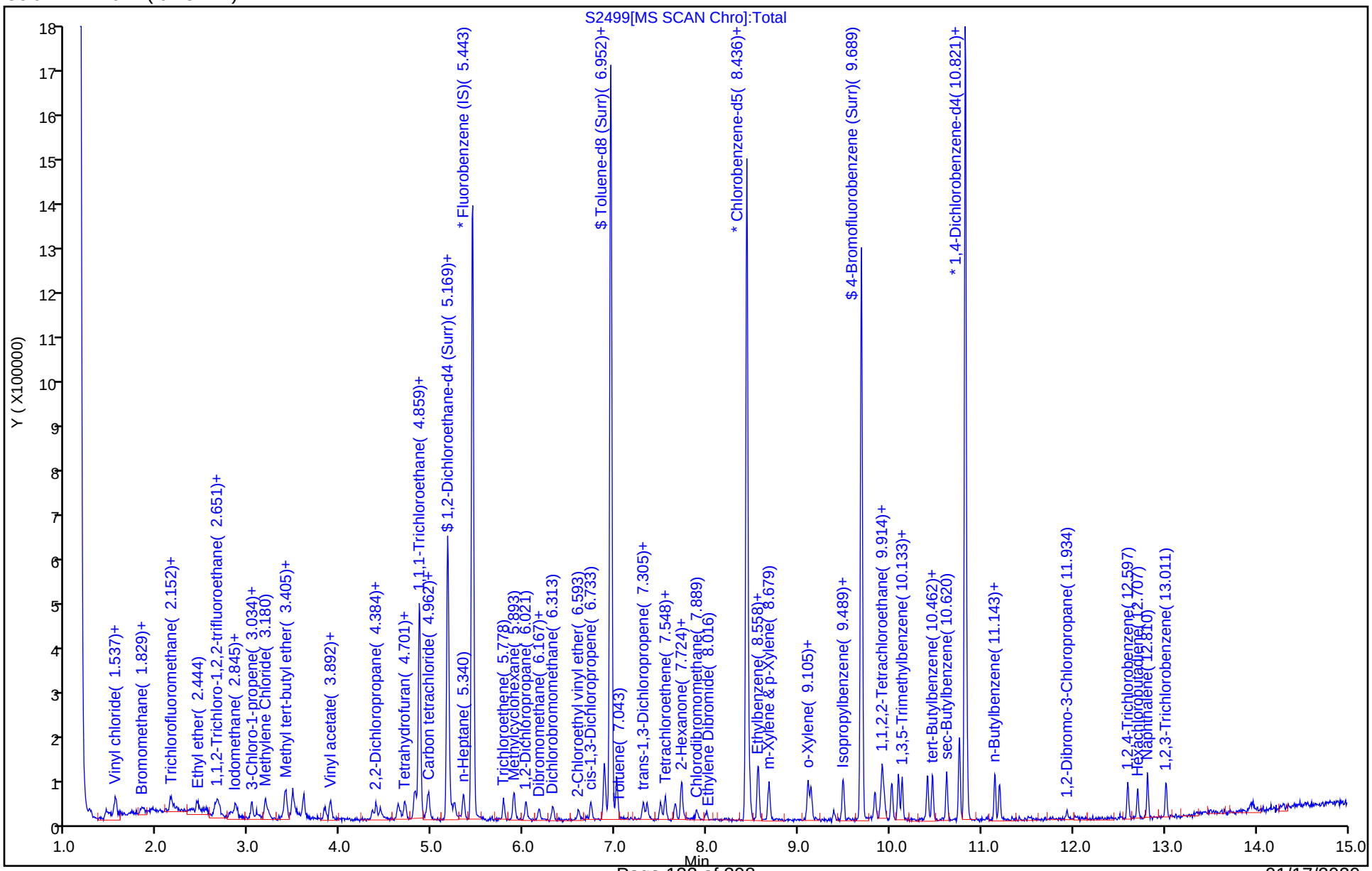
Report Date: 19-Nov-2019 09:35:08 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2499.D

Injection Date:	18-Nov-2019 12:23:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

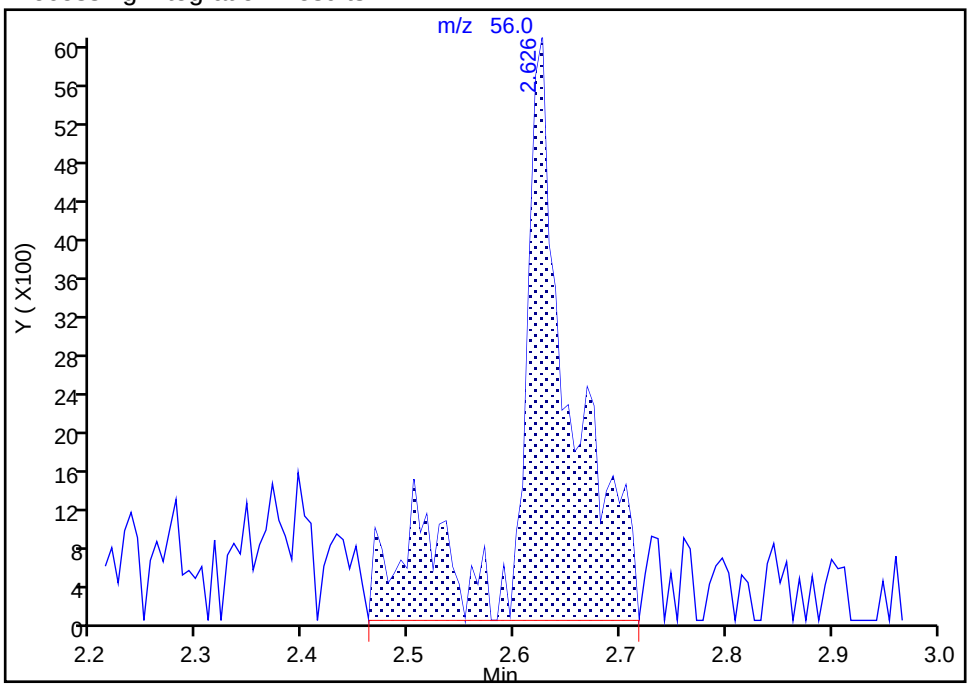
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2499.D
Injection Date: 18-Nov-2019 12:23:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

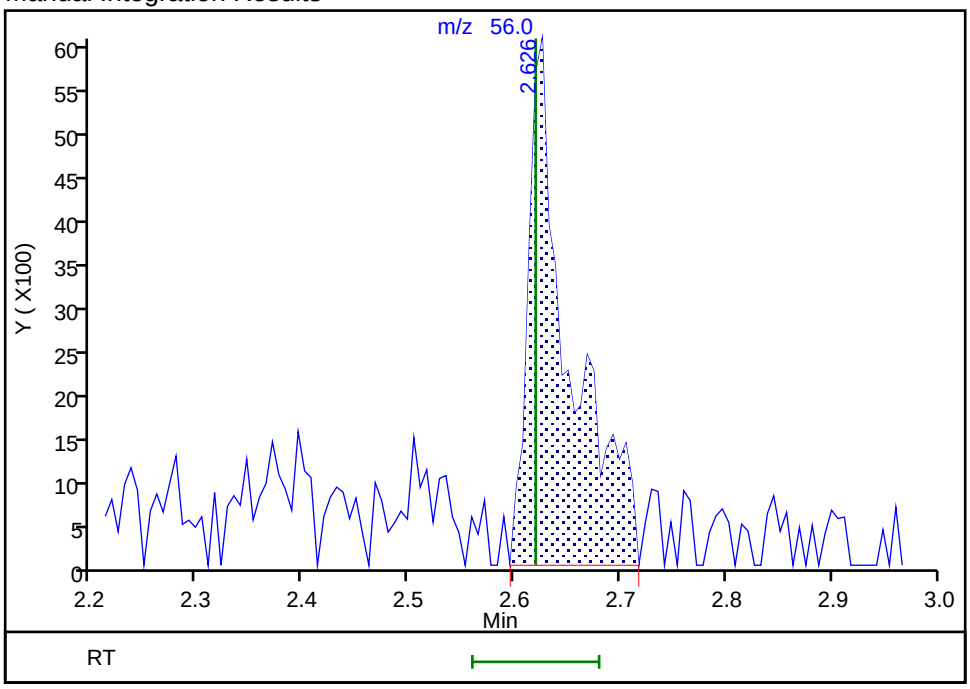
Processing Integration Results

RT: 2.63
Area: 21251
Amount: 6.208320
Amount Units: ug/L



Manual Integration Results

RT: 2.63
Area: 16546
Amount: 5.005806
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:14:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

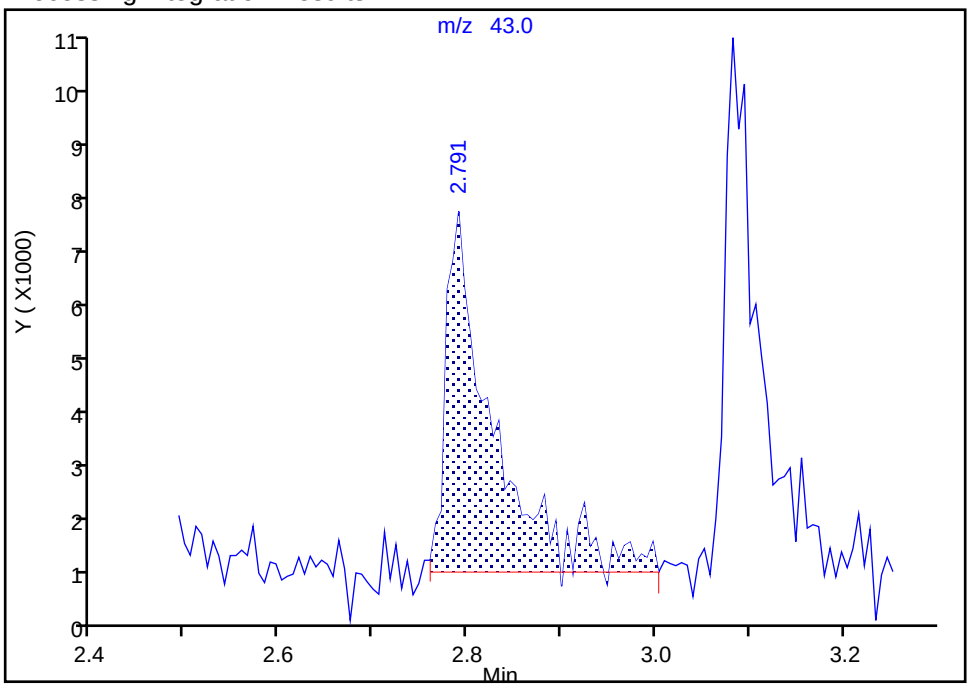
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2499.D
Injection Date: 18-Nov-2019 12:23:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

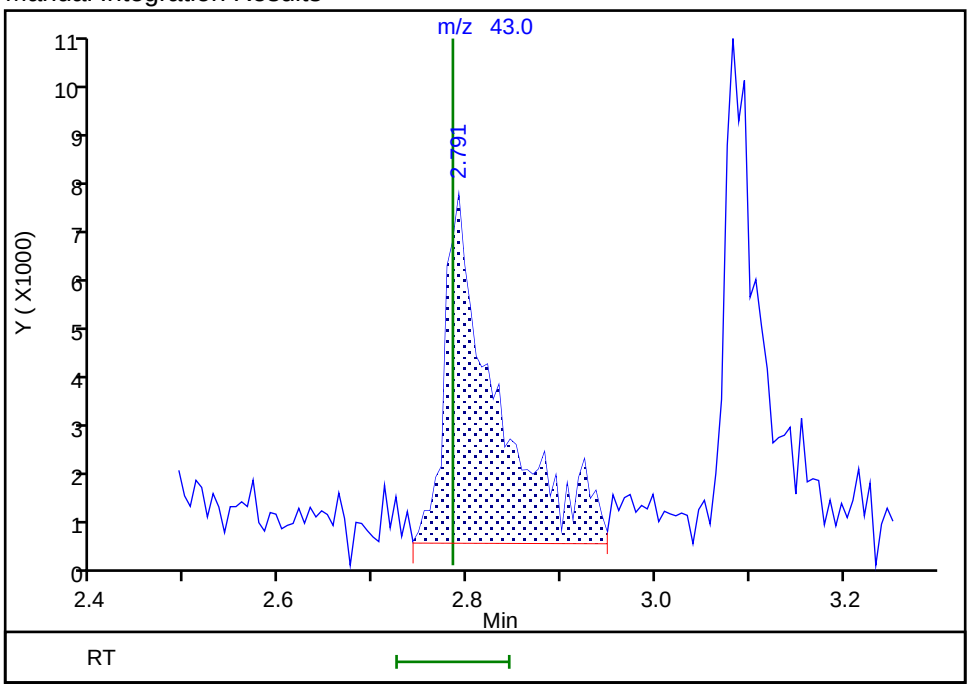
Processing Integration Results

RT: 2.79
Area: 22699
Amount: 4.447005
Amount Units: ug/L



Manual Integration Results

RT: 2.79
Area: 27036
Amount: 5.216814
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:15:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

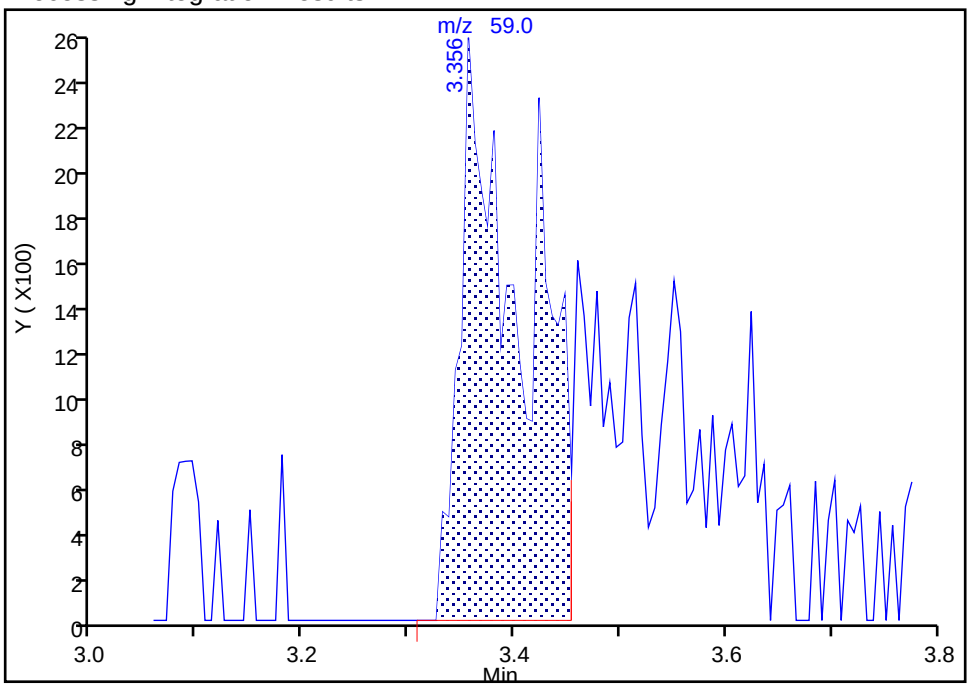
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2499.D
Injection Date: 18-Nov-2019 12:23:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

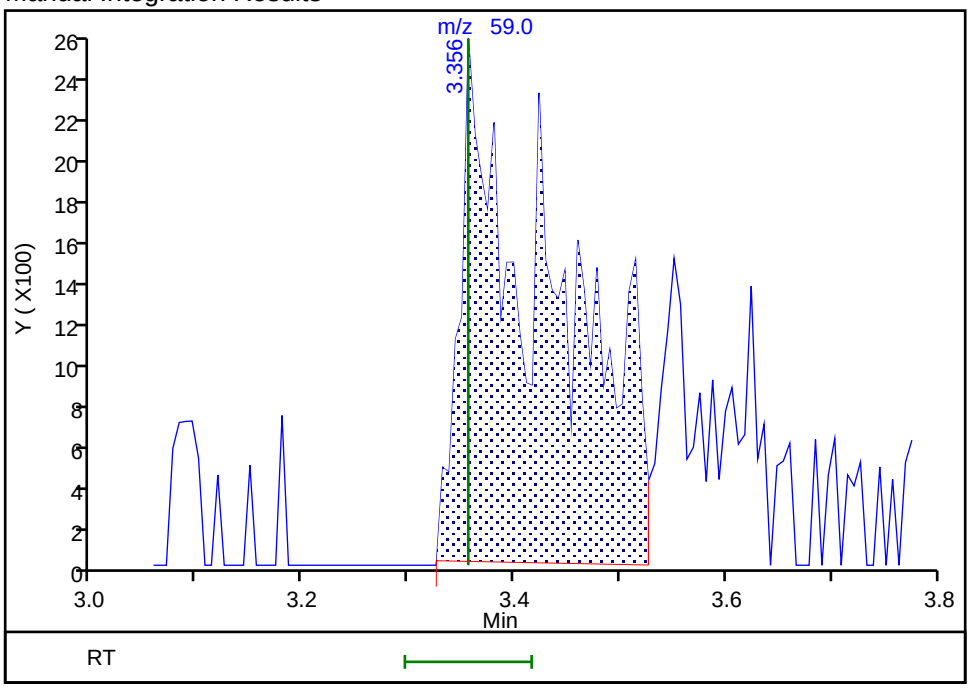
Processing Integration Results

RT: 3.36
Area: 10669
Amount: 7.502142
Amount Units: ug/L



Manual Integration Results

RT: 3.36
Area: 15213
Amount: 10.212243
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:15:25
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

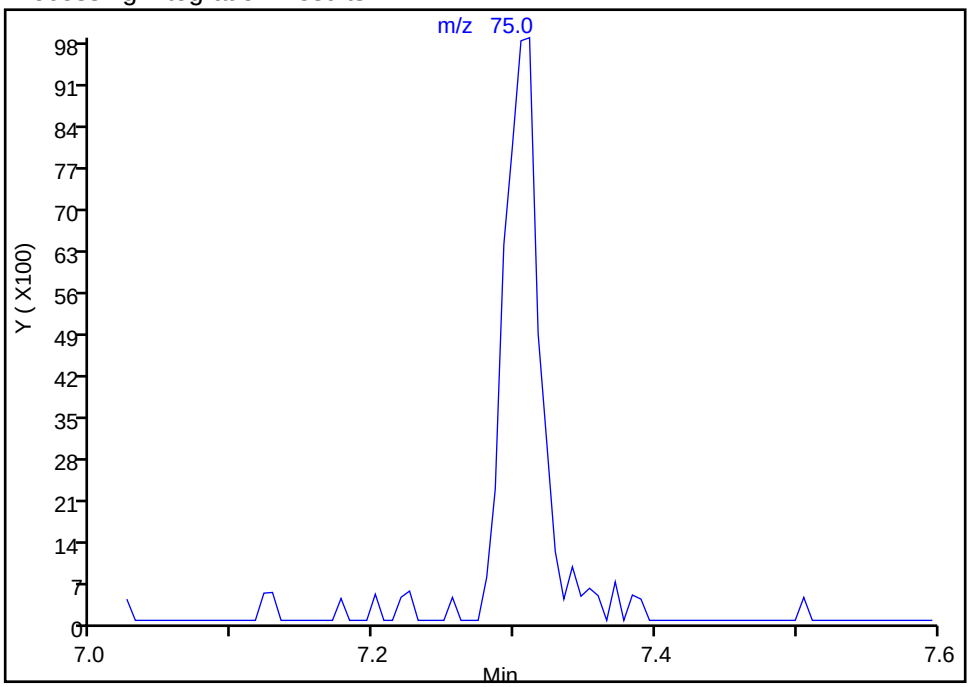
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2499.D
Injection Date: 18-Nov-2019 12:23:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

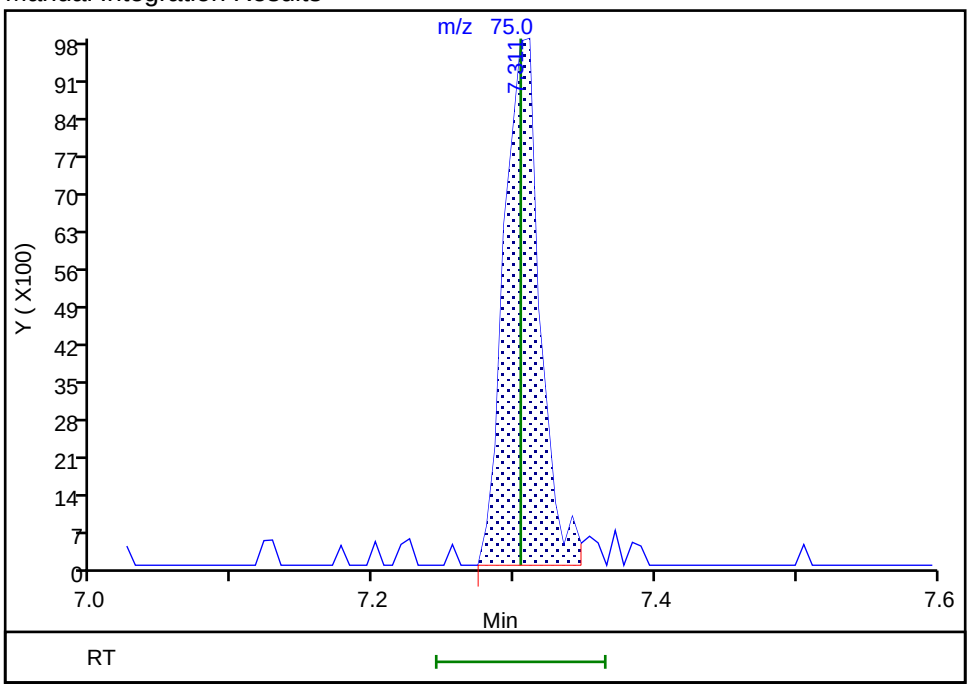
Not Detected
Expected RT: 7.30

Processing Integration Results



Manual Integration Results

RT: 7.31
Area: 17453
Amount: 0.970696
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:15:45
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

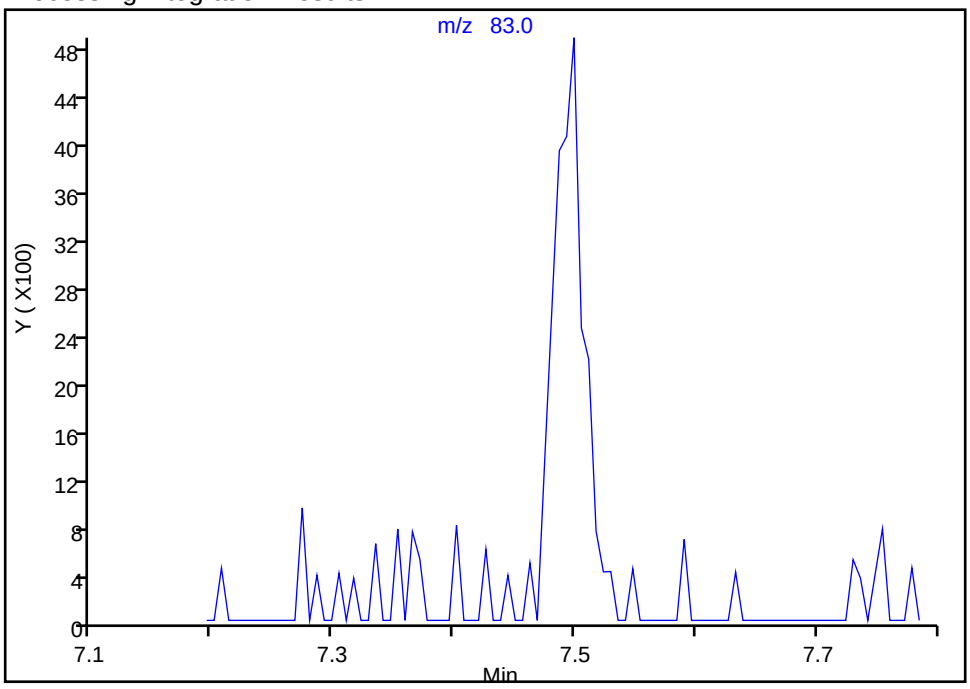
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2499.D
Injection Date: 18-Nov-2019 12:23:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

79 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

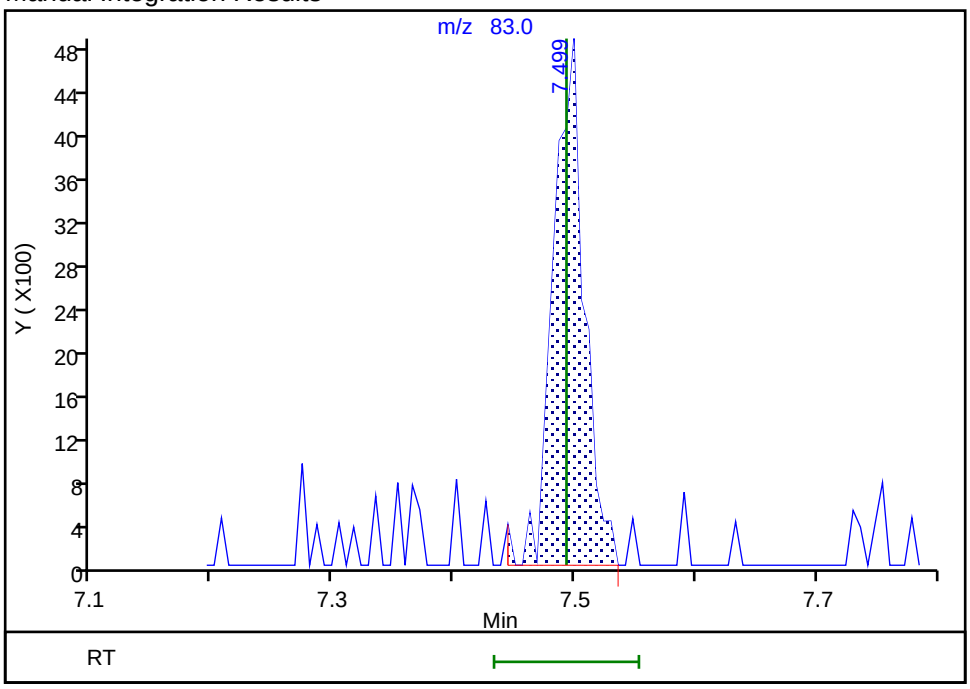
Not Detected
Expected RT: 7.49

Processing Integration Results



Manual Integration Results

RT: 7.50
Area: 8631
Amount: 0.980606
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:15:52
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2500.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Nov-2019 12:46:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0086222-006
Operator ID: KN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2019 09:35:11 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0317

First Level Reviewer: nowakk Date: 18-Nov-2019 15:18:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.437	0.006	98	218543	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	89	442506	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.827	10.821	0.006	95	376508	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.865	4.859	0.006	61	246896	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	92	182248	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.951	6.952	-0.001	92	1031495	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	84	294225	25.0	25.4	
10 Dichlorodifluoromethane	85	1.257	1.263	-0.006	82	27554	2.00	1.97	
12 Chloromethane	50	1.452	1.440	0.012	83	35309	2.00	2.15	
13 Vinyl chloride	62	1.543	1.537	0.006	50	27272	2.00	2.03	
151 Butadiene	54	1.549	1.543	0.006	79	31896	2.00	2.23	
14 Bromomethane	94	1.847	1.835	0.012	63	18484	2.00	2.16	
15 Chloroethane	64	1.933	1.939	-0.006	72	20070	2.00	2.25	
16 Dichlorofluoromethane	67	2.158	2.152	0.006	68	43843	2.00	2.24	
17 Trichlorofluoromethane	101	2.152	2.152	0.000	65	35489	2.00	2.15	
18 Ethyl ether	59	2.437	2.431	0.006	91	21927	2.00	2.00	
20 Acrolein	56	2.632	2.620	0.012	72	33411	10.0	9.95	
21 1,1,2-Trichloro-1,2,2-trif	101	2.650	2.650	0.000	57	17332	2.00	1.88	
22 1,1-Dichloroethene	96	2.669	2.675	-0.006	80	20867	2.00	2.07	
23 Acetone	43	2.790	2.784	0.006	81	52082	10.0	9.89	M
25 Iodomethane	142	2.845	2.851	-0.006	76	32160	2.00	1.89	
26 Carbon disulfide	76	2.863	2.863	0.000	94	62542	2.00	1.89	
28 3-Chloro-1-propene	41	3.028	3.028	0.000	79	41581	2.00	1.91	
27 Methyl acetate	43	3.082	3.082	0.000	92	52920	4.00	4.04	
30 Methylene Chloride	84	3.180	3.180	0.000	84	35998	2.00	2.05	
31 2-Methyl-2-propanol	59	3.368	3.356	0.012	63	31237	20.0	20.6	
32 Methyl tert-butyl ether	73	3.393	3.393	0.000	93	69525	2.00	2.03	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	81	24149	2.00	2.15	
33 Acrylonitrile	53	3.478	3.472	0.006	96	119685	20.0	19.5	
35 Hexane	57	3.599	3.593	0.006	86	39320	2.00	1.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.825	3.831	-0.006	72	45193	2.00	2.03	
37 Vinyl acetate	43	3.891	3.885	0.006	96	132802	4.00	4.04	
44 2,2-Dichloropropane	77	4.348	4.354	-0.006	80	22941	2.00	2.07	
45 cis-1,2-Dichloroethene	96	4.390	4.390	0.000	59	25285	2.00	2.01	
43 2-Butanone (MEK)	43	4.433	4.427	0.006	95	85517	10.0	10.6	
48 Chlorobromomethane	128	4.621	4.628	-0.007	77	11699	2.00	1.88	
49 Tetrahydrofuran	42	4.664	4.640	0.024	66	23314	4.00	4.35	a
50 Chloroform	83	4.707	4.701	0.006	62	47447	2.00	2.11	
51 1,1,1-Trichloroethane	97	4.816	4.810	0.006	74	36299	2.00	2.07	
52 Cyclohexane	56	4.822	4.816	0.006	83	47298	2.00	2.02	
55 Carbon tetrachloride	117	4.944	4.944	0.000	70	28709	2.00	1.89	
54 1,1-Dichloropropene	75	4.956	4.962	-0.006	86	32504	2.00	2.04	
57 Benzene	78	5.169	5.169	0.000	55	97298	2.00	2.07	
53 Isobutyl alcohol	43	5.199	5.199	0.000	55	36477	50.0	52.1	
58 1,2-Dichloroethane	62	5.242	5.242	0.000	49	42153	2.00	2.15	
59 n-Heptane	43	5.339	5.339	0.000	92	51512	2.00	2.08	
62 Trichloroethene	95	5.783	5.777	0.006	80	25423	2.00	2.09	
64 Methylcyclohexane	83	5.893	5.893	0.000	82	40171	2.00	1.96	
65 1,2-Dichloropropane	63	6.027	6.027	0.000	80	23461	2.00	1.89	
67 Dibromomethane	93	6.167	6.161	0.006	82	16254	2.00	2.08	
66 1,4-Dioxane	88	6.161	6.173	-0.012	1	4909	40.0	34.5	M
68 Dichlorobromomethane	83	6.319	6.319	0.000	84	30455	2.00	1.94	
69 2-Chloroethyl vinyl ether	63	6.593	6.599	-0.006	83	17383	2.00	1.98	
72 cis-1,3-Dichloropropene	75	6.739	6.733	0.007	67	38930	2.00	1.99	
73 4-Methyl-2-pentanone (MIBK	43	6.885	6.879	0.007	97	164956	10.0	9.64	
74 Toluene	92	7.018	7.018	0.000	77	58075	2.00	2.00	
77 trans-1,3-Dichloropropene	75	7.304	7.304	0.000	85	35539	2.00	1.97	
75 Ethyl methacrylate	69	7.347	7.347	0.000	77	33872	2.00	2.08	
79 1,1,2-Trichloroethane	83	7.493	7.493	0.000	78	18975	2.00	2.15	
81 Tetrachloroethene	166	7.542	7.548	-0.006	64	22393	2.00	1.94	
82 1,3-Dichloropropane	76	7.657	7.657	0.000	84	40618	2.00	2.15	
80 2-Hexanone	43	7.724	7.718	0.006	93	133273	10.0	10.8	
83 Chlorodibromomethane	129	7.894	7.888	0.006	73	21939	2.00	2.06	
84 Ethylene Dibromide	107	7.986	7.998	-0.012	73	23641	2.00	2.12	
87 Chlorobenzene	112	8.466	8.466	0.000	86	62864	2.00	2.02	
88 Ethylbenzene	91	8.558	8.558	0.000	99	113656	2.00	2.12	
89 1,1,1,2-Tetrachloroethane	131	8.564	8.564	0.000	34	20841	2.00	1.91	
90 m-Xylene & p-Xylene	106	8.679	8.679	0.000	97	42935	2.00	2.07	
91 o-Xylene	106	9.099	9.105	-0.006	94	41948	2.00	2.02	
92 Styrene	104	9.135	9.136	-0.001	89	71979	2.00	2.12	
95 Bromoform	173	9.391	9.391	0.000	82	13883	2.00	1.95	
94 Isopropylbenzene	105	9.488	9.488	0.000	94	105350	2.00	1.94	
101 Bromobenzene	156	9.835	9.835	0.000	93	25889	2.00	2.02	
97 1,1,2,2-Tetrachloroethane	83	9.902	9.896	0.006	61	31851	2.00	1.99	
99 N-Propylbenzene	91	9.914	9.914	0.000	95	133521	2.00	2.02	
100 1,2,3-Trichloropropane	110	9.932	9.932	0.000	73	12647	2.00	2.43	
98 trans-1,4-Dichloro-2-buten	53	9.945	9.945	0.000	77	13700	2.00	2.21	
103 2-Chlorotoluene	126	10.024	10.024	0.000	93	23334	2.00	1.86	
102 1,3,5-Trimethylbenzene	105	10.097	10.091	0.006	89	90392	2.00	1.98	
105 4-Chlorotoluene	126	10.133	10.133	0.000	85	25365	2.00	1.99	
106 tert-Butylbenzene	134	10.413	10.407	0.006	89	21052	2.00	2.12	
107 1,2,4-Trimethylbenzene	105	10.468	10.462	0.006	31	92396	2.00	1.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.620	10.620	0.000	87	112150	2.00	1.98	
111 1,3-Dichlorobenzene	146	10.760	10.760	0.000	65	48625	2.00	1.97	
110 4-Isopropyltoluene	119	10.760	10.760	0.000	93	98224	2.00	2.03	
113 1,4-Dichlorobenzene	146	10.845	10.845	0.000	78	48986	2.00	1.96	
115 n-Butylbenzene	91	11.149	11.143	0.006	92	87248	2.00	1.91	
116 1,2-Dichlorobenzene	146	11.198	11.198	0.000	82	52672	2.00	2.21	
117 1,2-Dibromo-3-Chloropropan	75	11.934	11.928	0.006	41	8797	2.00	2.39	
119 1,2,4-Trichlorobenzene	180	12.603	12.597	0.006	86	32528	2.00	2.01	
120 Hexachlorobutadiene	225	12.707	12.707	0.000	75	15115	2.00	2.11	
121 Naphthalene	128	12.816	12.816	0.000	97	106557	2.00	2.17	
122 1,2,3-Trichlorobenzene	180	13.017	13.017	0.000	86	29961	2.00	2.01	
S 123 Total BTEX	1				0			10.3	
S 126 1,3-Dichloropropene, Total	1				0			3.96	
S 125 1,2-Dichloroethene, Total	1				0			4.16	
S 124 Xylenes, Total	1				0			4.09	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00369	Amount Added:	2.00	Units: uL	
8260 CORP mix_00171	Amount Added:	2.00	Units: uL	
S_8260_IS_00328	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00337	Amount Added:	1.00	Units: uL	Run Reagent

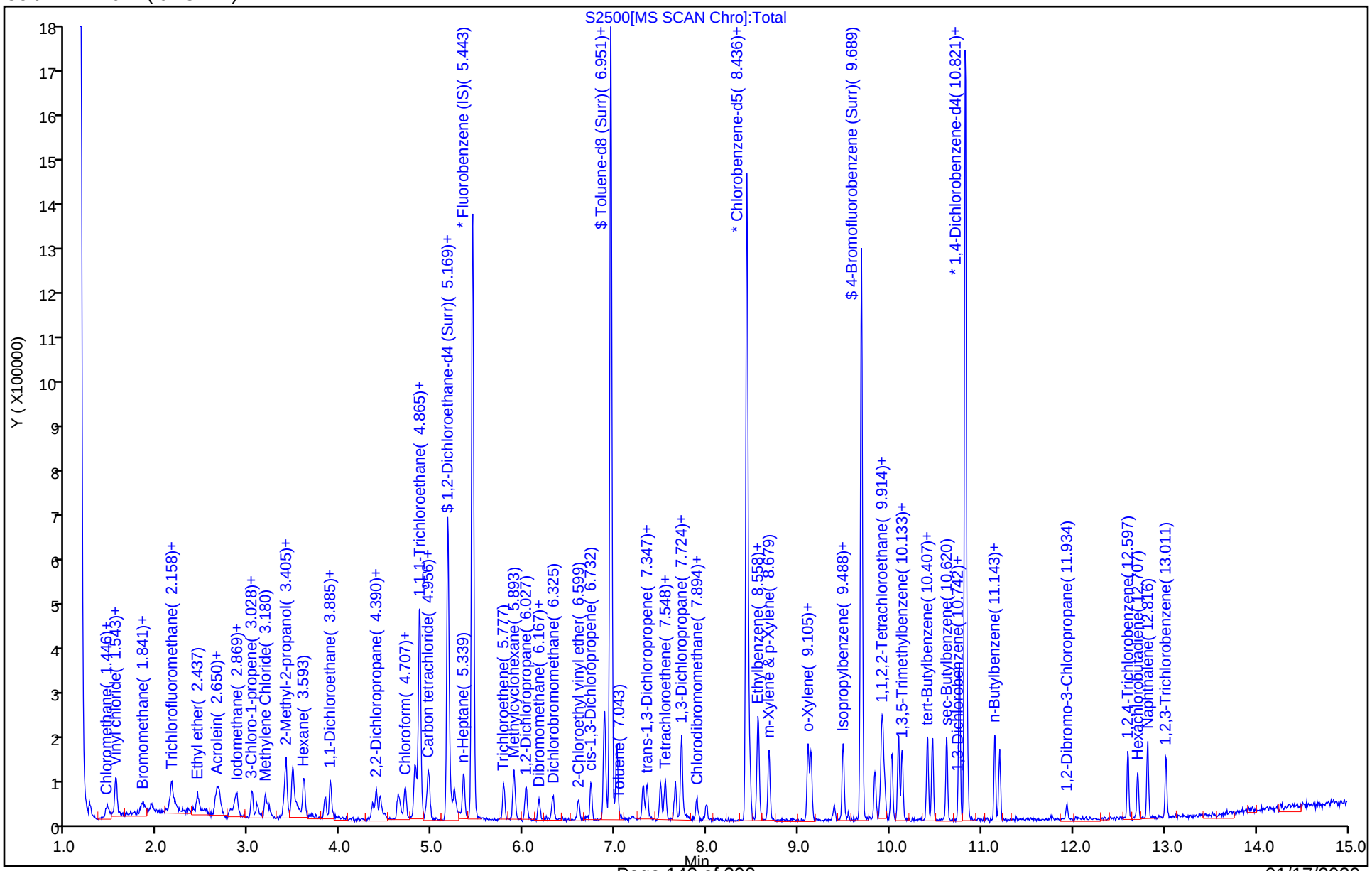
Report Date: 19-Nov-2019 09:35:12 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2500.D

Injection Date:	18-Nov-2019 12:46:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

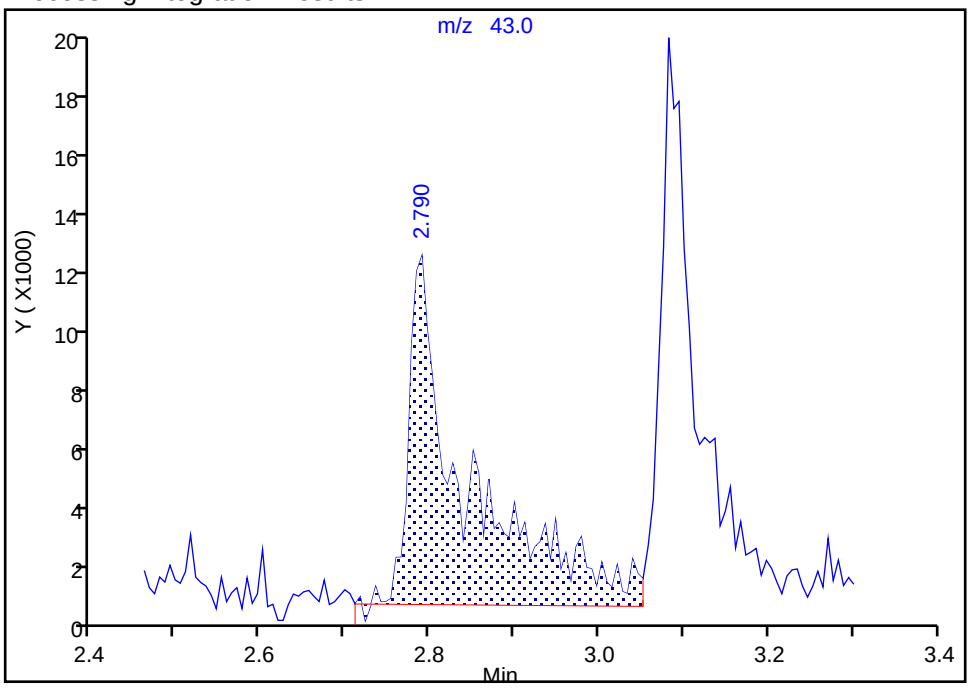
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2500.D
Injection Date: 18-Nov-2019 12:46:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

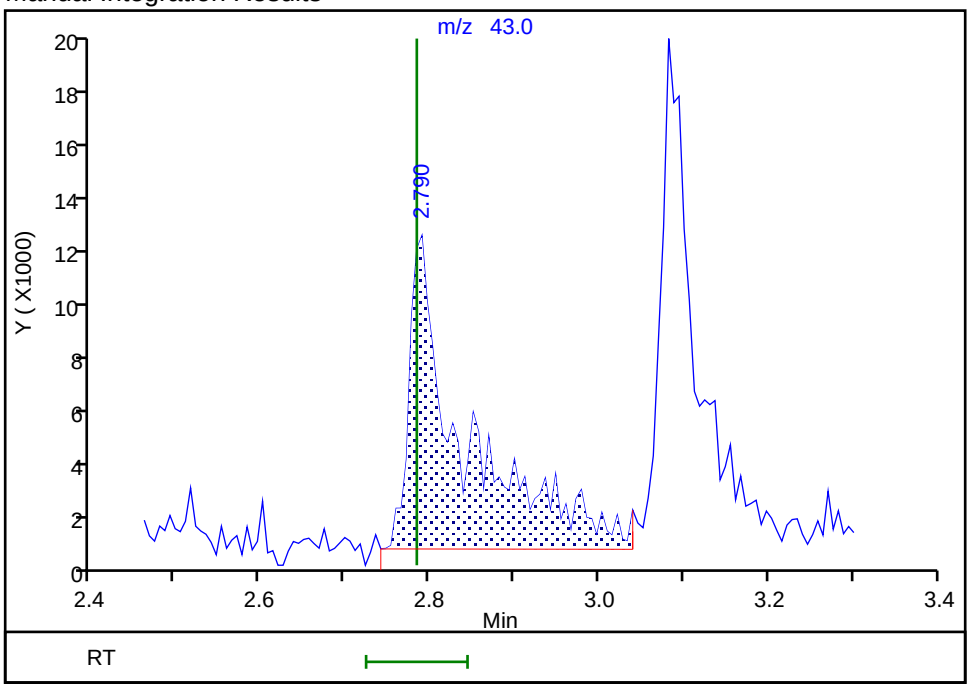
Processing Integration Results

RT: 2.79
Area: 54544
Amount: 10.297226
Amount Units: ug/L



Manual Integration Results

RT: 2.79
Area: 52082
Amount: 9.889891
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:16:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

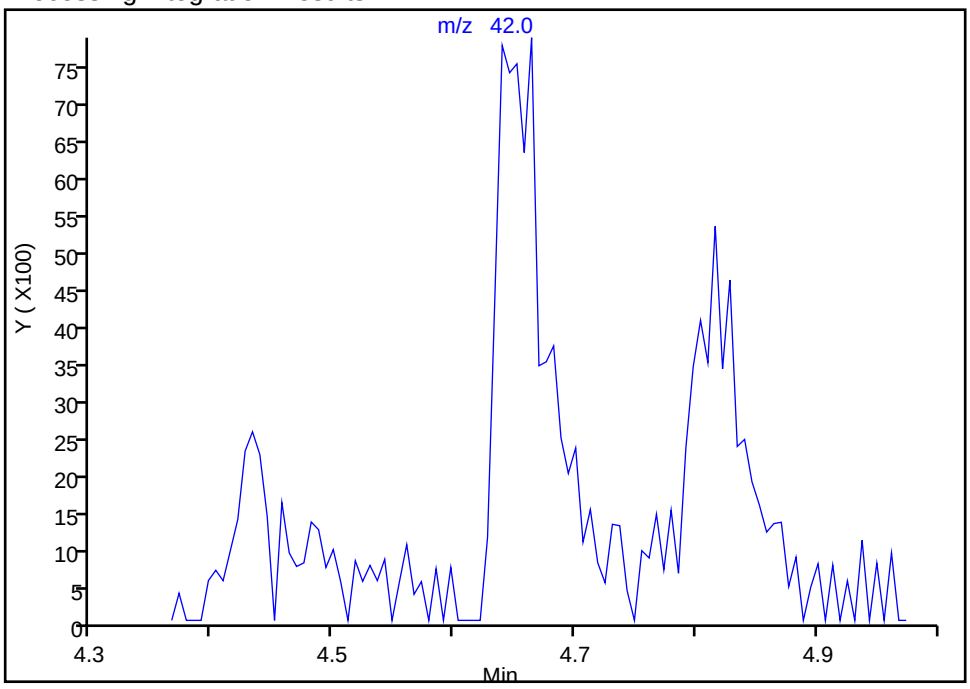
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2500.D
Injection Date: 18-Nov-2019 12:46:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

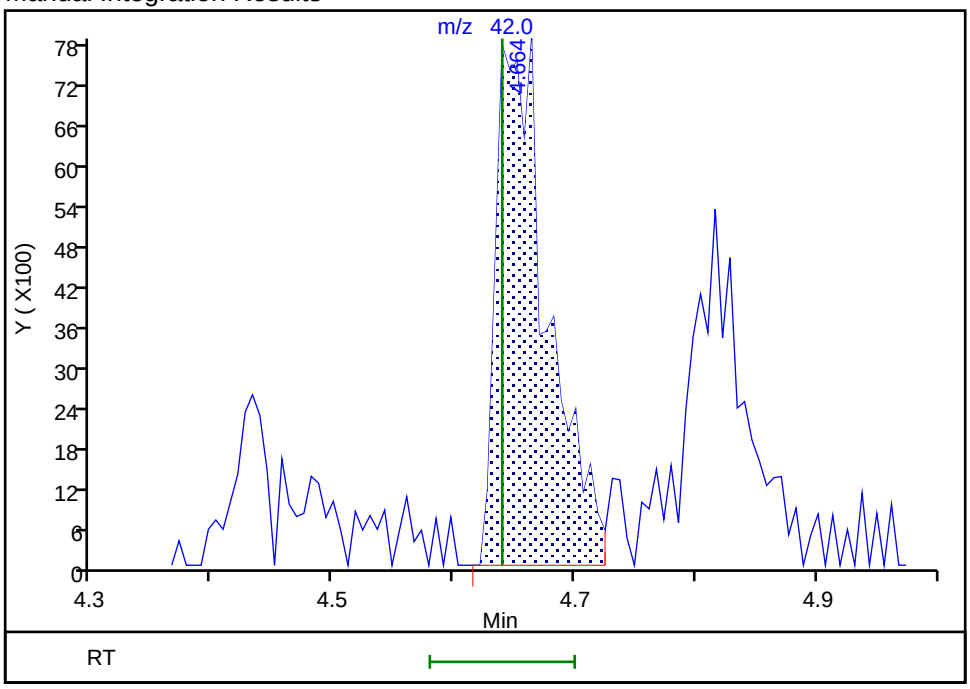
Not Detected
Expected RT: 4.64

Processing Integration Results



Manual Integration Results

RT: 4.66
Area: 23314
Amount: 4.347719
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:17:14
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

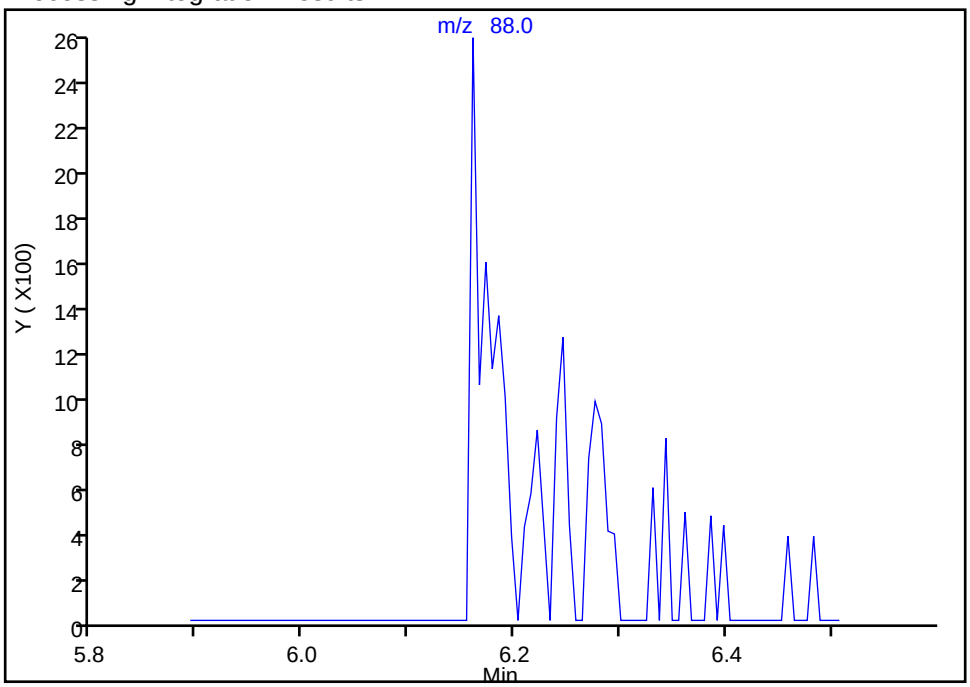
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2500.D
Injection Date: 18-Nov-2019 12:46:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

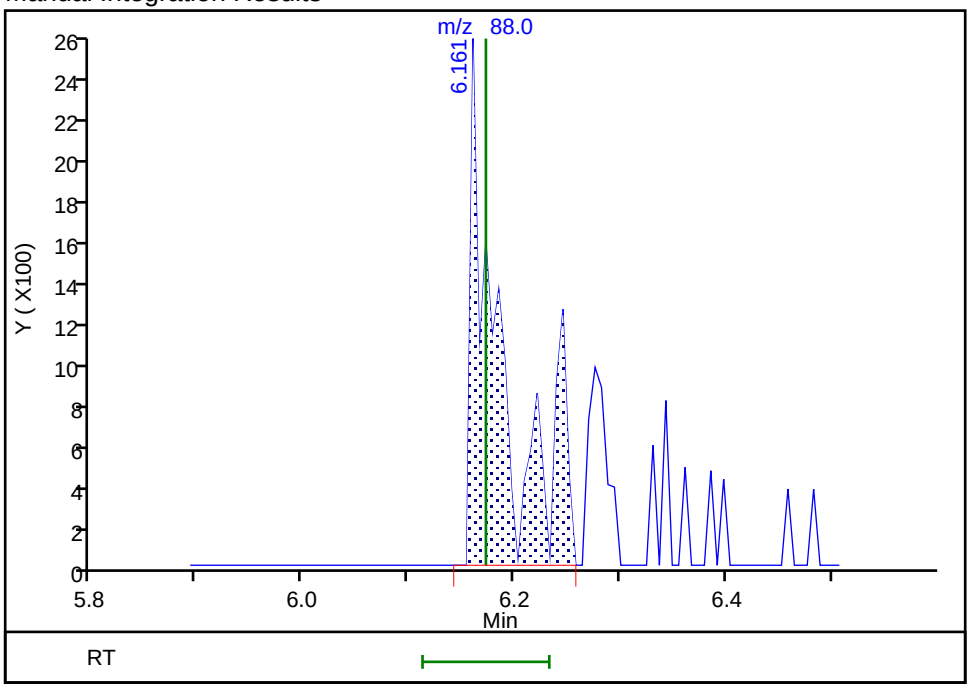
Not Detected
Expected RT: 6.17

Processing Integration Results



Manual Integration Results

RT: 6.16
Area: 4909
Amount: 34.475284
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:17:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2501.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-Nov-2019 13:09:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0086222-007
Operator ID: KN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2019 09:35:16 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0317

First Level Reviewer: nowakk Date: 18-Nov-2019 15:19:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.437	5.437	0.000	98	214217	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	90	457374	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.827	10.821	0.006	90	388322	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	57	258425	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	91	180771	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.000	83	1059658	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	83	289637	25.0	24.2	
10 Dichlorodifluoromethane	85	1.264	1.263	0.001	81	67489	5.00	4.93	
12 Chloromethane	50	1.446	1.440	0.006	88	80692	5.00	5.02	
13 Vinyl chloride	62	1.537	1.537	0.000	63	69520	5.00	5.29	
151 Butadiene	54	1.543	1.543	0.000	91	71017	5.00	5.06	
14 Bromomethane	94	1.841	1.835	0.006	77	42125	5.00	5.02	
15 Chloroethane	64	1.933	1.939	-0.006	83	42458	5.00	4.86	
16 Dichlorofluoromethane	67	2.152	2.152	0.000	78	94608	5.00	4.93	
17 Trichlorofluoromethane	101	2.146	2.152	-0.006	68	84979	5.00	5.26	
18 Ethyl ether	59	2.432	2.431	0.001	90	58924	5.00	5.49	
20 Acrolein	56	2.626	2.620	0.006	88	84037	25.0	25.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.651	2.650	0.001	59	50731	5.00	5.60	
22 1,1-Dichloroethene	96	2.657	2.675	-0.018	83	49961	5.00	5.05	
23 Acetone	43	2.790	2.784	0.006	92	137368	25.0	26.6	
25 Iodomethane	142	2.839	2.851	-0.012	63	87086	5.00	5.23	
26 Carbon disulfide	76	2.857	2.863	-0.006	97	178678	5.00	5.50	
28 3-Chloro-1-propene	41	3.034	3.028	0.006	87	107137	5.00	5.03	
27 Methyl acetate	43	3.083	3.082	0.000	93	150839	10.0	11.8	
30 Methylene Chloride	84	3.174	3.180	-0.006	85	74460	5.00	5.57	
31 2-Methyl-2-propanol	59	3.356	3.356	0.000	83	78882	50.0	53.2	M
32 Methyl tert-butyl ether	73	3.387	3.393	-0.006	93	174895	5.00	5.21	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	91	57959	5.00	5.25	
33 Acrylonitrile	53	3.478	3.472	0.006	98	305046	50.0	50.8	
35 Hexane	57	3.594	3.593	0.001	88	104501	5.00	5.21	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.825	3.831	-0.006	82	117698	5.00	5.40	
37 Vinyl acetate	43	3.886	3.885	0.001	97	331471	10.0	10.3	
44 2,2-Dichloropropane	77	4.342	4.354	-0.012	85	57833	5.00	5.32	
45 cis-1,2-Dichloroethene	96	4.384	4.390	-0.006	71	66224	5.00	5.37	
43 2-Butanone (MEK)	43	4.427	4.427	0.000	97	205123	25.0	26.0	
48 Chlorobromomethane	128	4.628	4.628	0.000	95	31559	5.00	5.17	
49 Tetrahydrofuran	42	4.646	4.640	0.006	85	52423	10.0	9.97	
50 Chloroform	83	4.701	4.701	0.000	71	110354	5.00	5.02	
51 1,1,1-Trichloroethane	97	4.816	4.810	0.006	80	94350	5.00	5.48	
52 Cyclohexane	56	4.816	4.816	0.000	91	119475	5.00	5.20	
55 Carbon tetrachloride	117	4.944	4.944	0.000	79	79391	5.00	5.33	
54 1,1-Dichloropropene	75	4.962	4.962	0.000	86	85355	5.00	5.48	
57 Benzene	78	5.169	5.169	0.000	75	244825	5.00	5.31	
53 Isobutyl alcohol	43	5.194	5.199	-0.005	87	75927	125.0	110.5	
58 1,2-Dichloroethane	62	5.242	5.242	0.000	53	101287	5.00	5.27	
59 n-Heptane	43	5.340	5.339	0.001	93	117877	5.00	4.85	
62 Trichloroethene	95	5.784	5.777	0.007	88	61437	5.00	5.16	
64 Methylcyclohexane	83	5.893	5.893	0.000	93	107084	5.00	5.33	
65 1,2-Dichloropropane	63	6.027	6.027	0.000	83	64540	5.00	5.30	
67 Dibromomethane	93	6.167	6.161	0.006	93	38417	5.00	5.02	
66 1,4-Dioxane	88	6.179	6.173	0.006	25	16671	100.0	113.3	
68 Dichlorobromomethane	83	6.319	6.319	0.000	86	79064	5.00	5.13	
69 2-Chloroethyl vinyl ether	63	6.593	6.599	-0.006	85	47528	5.00	5.53	
72 cis-1,3-Dichloropropene	75	6.733	6.733	0.001	78	104608	5.00	5.47	
73 4-Methyl-2-pentanone (MIBK	43	6.879	6.879	0.001	97	466524	25.0	26.4	
74 Toluene	92	7.019	7.018	0.001	84	152548	5.00	5.09	
77 trans-1,3-Dichloropropene	75	7.305	7.304	0.000	94	99260	5.00	5.32	
75 Ethyl methacrylate	69	7.347	7.347	0.000	80	89348	5.00	5.31	
79 1,1,2-Trichloroethane	83	7.499	7.493	0.006	86	51321	5.00	5.62	
81 Tetrachloroethene	166	7.548	7.548	0.000	72	60780	5.00	5.09	
82 1,3-Dichloropropane	76	7.657	7.657	0.000	93	103112	5.00	5.29	
80 2-Hexanone	43	7.724	7.718	0.006	82	318969	25.0	24.9	
83 Chlorodibromomethane	129	7.889	7.888	0.001	82	53613	5.00	4.87	
84 Ethylene Dibromide	107	7.992	7.998	-0.006	98	54344	5.00	4.72	
87 Chlorobenzene	112	8.466	8.466	0.000	89	163908	5.00	5.10	
88 Ethylbenzene	91	8.558	8.558	0.000	98	288104	5.00	5.19	
89 1,1,1,2-Tetrachloroethane	131	8.564	8.564	0.000	40	58102	5.00	5.15	
90 m-Xylene & p-Xylene	106	8.673	8.679	-0.006	98	111277	5.00	5.19	
91 o-Xylene	106	9.105	9.105	0.000	96	111227	5.00	5.19	
92 Styrene	104	9.136	9.136	0.000	93	177487	5.00	5.07	
95 Bromoform	173	9.397	9.391	0.006	84	35949	5.00	4.90	
94 Isopropylbenzene	105	9.489	9.488	0.000	96	283075	5.00	5.07	
101 Bromobenzene	156	9.835	9.835	0.000	98	65374	5.00	4.94	
97 1,1,2,2-Tetrachloroethane	83	9.896	9.896	0.000	86	80186	5.00	4.86	
99 N-Propylbenzene	91	9.914	9.914	0.000	99	352722	5.00	5.18	
100 1,2,3-Trichloropropane	110	9.933	9.932	0.001	83	28021	5.00	5.22	
98 trans-1,4-Dichloro-2-buten	53	9.945	9.945	0.000	77	31130	5.00	4.87	
103 2-Chlorotoluene	126	10.018	10.024	-0.006	94	70078	5.00	5.43	
102 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	95	239145	5.00	5.08	
105 4-Chlorotoluene	126	10.133	10.133	0.000	83	66152	5.00	5.03	
106 tert-Butylbenzene	134	10.407	10.407	0.000	91	51096	5.00	5.00	
107 1,2,4-Trimethylbenzene	105	10.462	10.462	0.000	58	252608	5.00	5.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.620	10.620	0.000	95	306831	5.00	5.26	
111 1,3-Dichlorobenzene	146	10.760	10.760	0.000	72	132009	5.00	5.20	
110 4-Isopropyltoluene	119	10.760	10.760	0.000	95	262298	5.00	5.26	
113 1,4-Dichlorobenzene	146	10.845	10.845	0.000	89	138635	5.00	5.38	
115 n-Butylbenzene	91	11.143	11.143	0.000	97	257641	5.00	5.47	
116 1,2-Dichlorobenzene	146	11.198	11.198	0.000	87	132143	5.00	5.38	
117 1,2-Dibromo-3-Chloropropan	75	11.934	11.928	0.006	62	20425	5.00	5.38	
119 1,2,4-Trichlorobenzene	180	12.597	12.597	0.000	89	98345	5.00	5.89	
120 Hexachlorobutadiene	225	12.707	12.707	0.000	89	41850	5.00	5.67	
121 Naphthalene	128	12.810	12.816	-0.006	98	280412	5.00	5.54	
122 1,2,3-Trichlorobenzene	180	13.011	13.017	-0.006	90	90459	5.00	5.88	
S 123 Total BTEX	1				0			26.0	
S 126 1,3-Dichloropropene, Total	1				0			10.8	
S 125 1,2-Dichloroethene, Total	1				0			10.6	
S 124 Xylenes, Total	1				0			10.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00369	Amount Added:	5.00	Units: uL	
8260 CORP mix_00171	Amount Added:	5.00	Units: uL	
S_8260_IS_00328	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00337	Amount Added:	1.00	Units: uL	Run Reagent

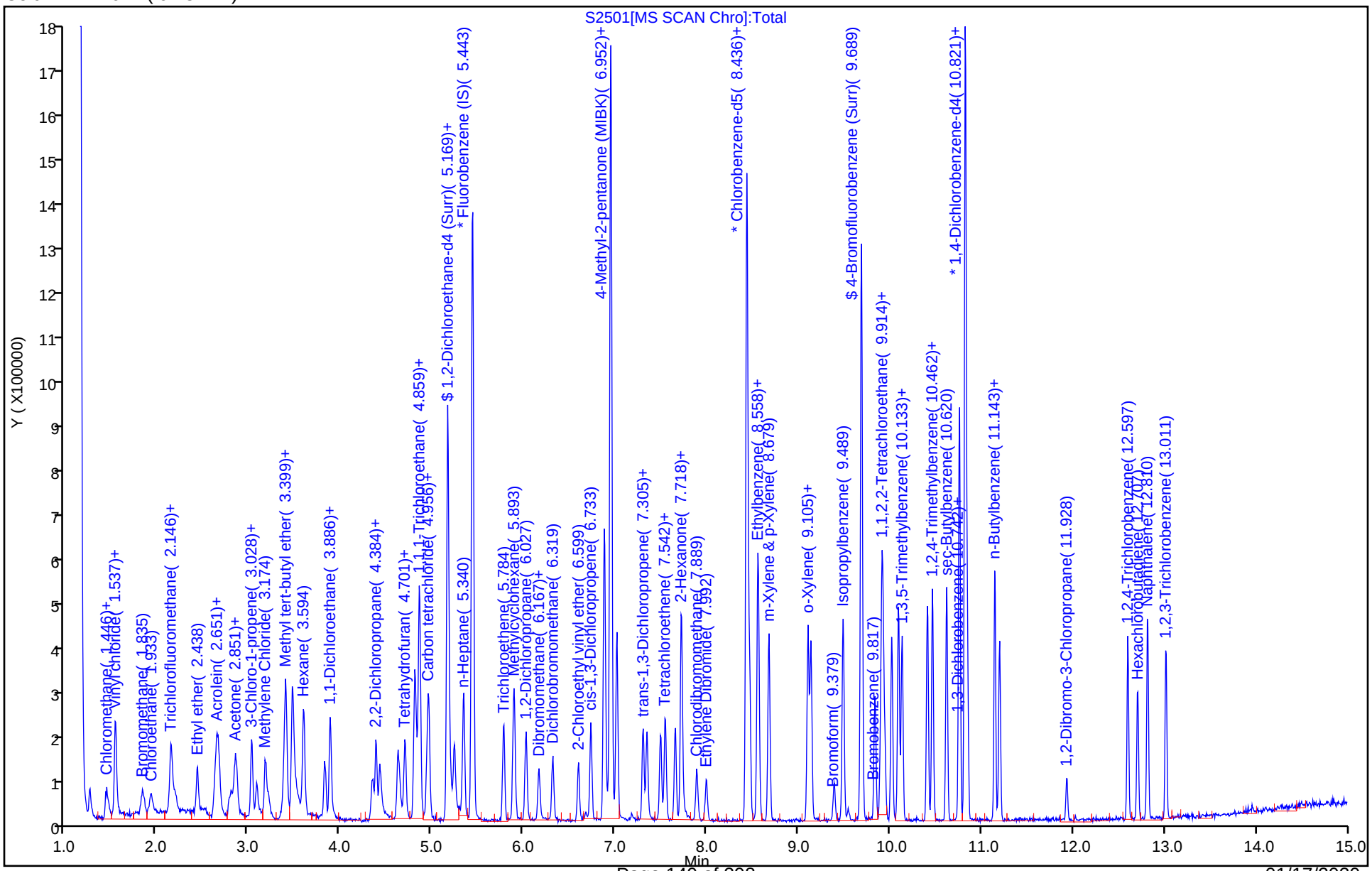
Report Date: 19-Nov-2019 09:35:18 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2501.D

Injection Date:	18-Nov-2019 13:09:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

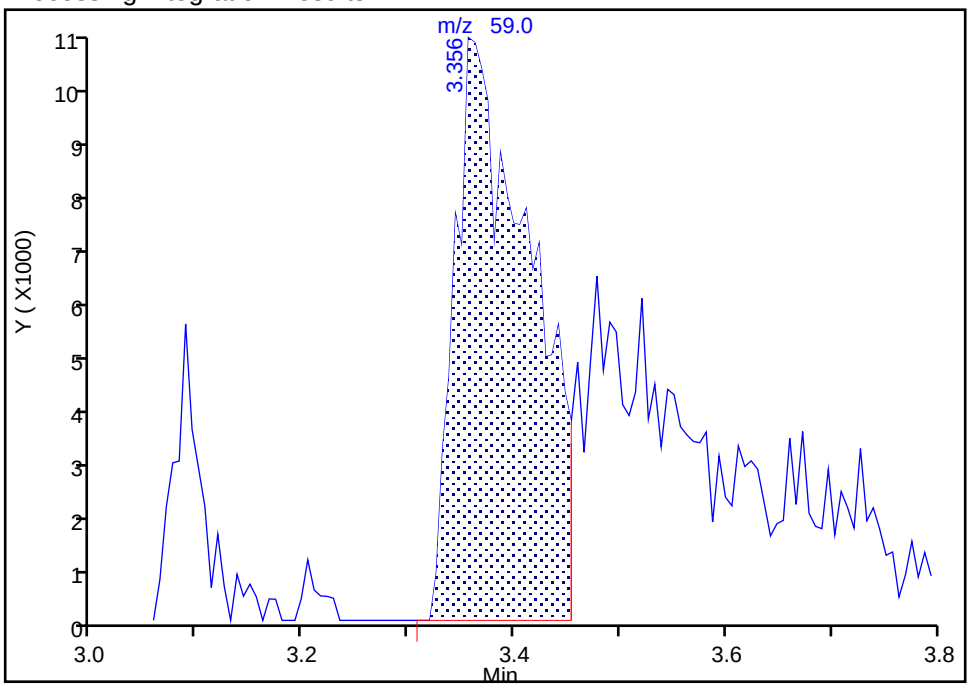
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2501.D				
Injection Date:	18-Nov-2019 13:09:30	Instrument ID:	HP5973S		
Lims ID:	IC 3				
Client ID:					
Operator ID:	KN	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

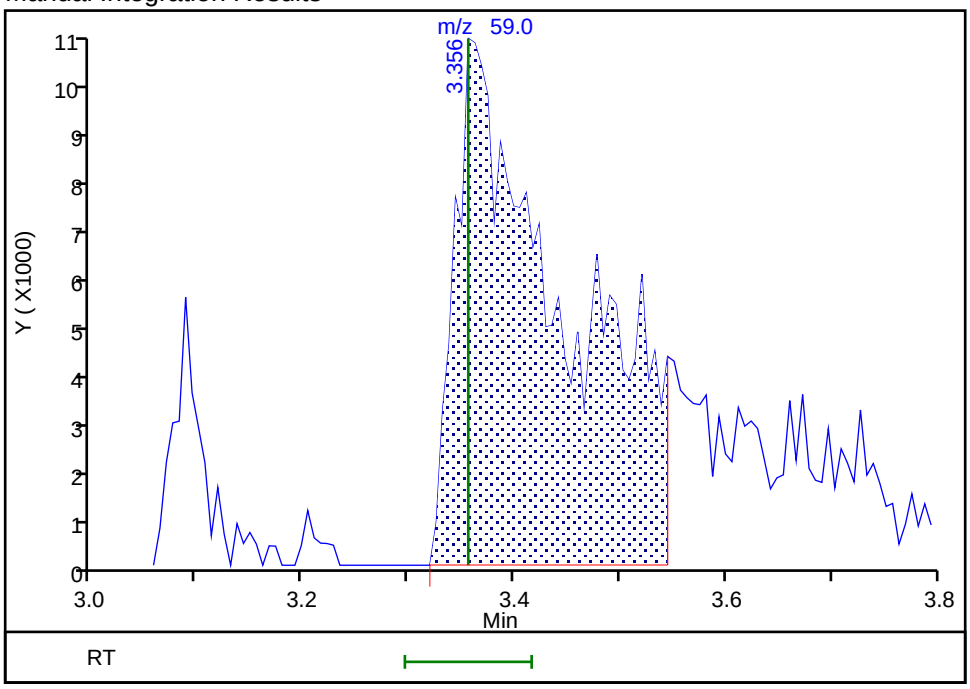
Processing Integration Results

RT: 3.36
Area: 53913
Amount: 36.599117
Amount Units: ug/L



Manual Integration Results

RT: 3.36
Area: 78882
Amount: 53.162828
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:19:42

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2502.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-Nov-2019 13:32:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0086222-008
Operator ID: KN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2019 09:35:21 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0317

First Level Reviewer: nowakk Date: 18-Nov-2019 15:21:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.437	0.006	98	213172	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	87	427081	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.821	10.821	0.000	72	379320	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.865	4.859	0.006	56	260596	25.0	26.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	80	179270	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.000	82	1004459	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	83	285811	25.0	25.6	
10 Dichlorodifluoromethane	85	1.263	1.263	0.000	86	120827	10.0	8.86	
12 Chloromethane	50	1.446	1.440	0.006	80	157107	10.0	9.82	
13 Vinyl chloride	62	1.537	1.537	0.000	66	126261	10.0	9.66	
151 Butadiene	54	1.543	1.543	0.000	91	129138	10.0	9.25	
14 Bromomethane	94	1.835	1.835	0.000	90	81393	10.0	9.74	
15 Chloroethane	64	1.933	1.939	-0.006	93	83342	10.0	9.59	
16 Dichlorofluoromethane	67	2.158	2.152	0.006	80	180892	10.0	9.47	
17 Trichlorofluoromethane	101	2.152	2.152	0.000	71	159959	10.0	9.94	
18 Ethyl ether	59	2.438	2.431	0.007	94	101712	10.0	9.52	
20 Acrolein	56	2.626	2.620	0.006	91	155183	50.0	47.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.657	2.650	0.007	61	99838	10.0	11.1	
22 1,1-Dichloroethene	96	2.657	2.675	-0.018	86	94606	10.0	9.62	
23 Acetone	43	2.796	2.784	0.012	92	272163	50.0	53.0	
25 Iodomethane	142	2.839	2.851	-0.012	72	172905	10.0	10.4	
26 Carbon disulfide	76	2.857	2.863	-0.006	100	324699	10.0	10.1	
28 3-Chloro-1-propene	41	3.034	3.028	0.006	86	196619	10.0	9.28	
27 Methyl acetate	43	3.088	3.082	0.006	94	277622	20.0	21.7	
30 Methylene Chloride	84	3.180	3.180	0.000	89	131121	10.0	10.7	
31 2-Methyl-2-propanol	59	3.368	3.356	0.012	66	141865	100.0	96.1	
32 Methyl tert-butyl ether	73	3.393	3.393	0.000	93	338151	10.0	10.1	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	91	114715	10.0	10.4	
33 Acrylonitrile	53	3.478	3.472	0.006	98	653221	100.0	109.2	
35 Hexane	57	3.599	3.593	0.006	88	182680	10.0	9.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.831	3.831	0.000	96	216777	10.0	9.99	
37 Vinyl acetate	43	3.885	3.885	0.000	97	650005	20.0	20.3	
44 2,2-Dichloropropane	77	4.354	4.354	0.000	88	109876	10.0	10.2	
45 cis-1,2-Dichloroethene	96	4.390	4.390	0.000	65	129511	10.0	10.6	
43 2-Butanone (MEK)	43	4.427	4.427	0.000	92	417310	50.0	53.2	
48 Chlorobromomethane	128	4.628	4.628	0.000	88	60320	10.0	9.93	
49 Tetrahydrofuran	42	4.646	4.640	0.006	92	102807	20.0	19.7	
50 Chloroform	83	4.707	4.701	0.006	71	213470	10.0	9.75	
51 1,1,1-Trichloroethane	97	4.810	4.810	0.000	87	167707	10.0	9.78	
52 Cyclohexane	56	4.816	4.816	0.000	93	220978	10.0	9.67	
55 Carbon tetrachloride	117	4.950	4.944	0.006	75	147883	10.0	9.98	
54 1,1-Dichloropropene	75	4.968	4.962	0.006	89	154508	10.0	9.96	
57 Benzene	78	5.169	5.169	0.000	93	455165	10.0	9.92	
53 Isobutyl alcohol	43	5.193	5.199	-0.006	91	171199	250.0	250.5	
58 1,2-Dichloroethane	62	5.242	5.242	0.000	72	189928	10.0	9.94	
59 n-Heptane	43	5.345	5.339	0.006	89	215324	10.0	8.91	
62 Trichloroethene	95	5.777	5.777	0.000	88	116508	10.0	9.83	
64 Methylcyclohexane	83	5.893	5.893	0.000	93	198299	10.0	9.93	
65 1,2-Dichloropropane	63	6.027	6.027	0.000	88	123565	10.0	10.2	
67 Dibromomethane	93	6.167	6.161	0.006	93	74311	10.0	9.76	
66 1,4-Dioxane	88	6.173	6.173	0.000	37	31790	200.0	231.3	M
68 Dichlorobromomethane	83	6.319	6.319	0.000	90	154484	10.0	10.1	
69 2-Chloroethyl vinyl ether	63	6.593	6.599	-0.006	91	83376	10.0	9.76	
72 cis-1,3-Dichloropropene	75	6.733	6.733	0.000	81	191001	10.0	10.0	
73 4-Methyl-2-pentanone (MIBK	43	6.879	6.879	0.001	97	883896	50.0	53.5	
74 Toluene	92	7.018	7.018	0.000	84	283948	10.0	10.2	
77 trans-1,3-Dichloropropene	75	7.304	7.304	0.000	94	180911	10.0	10.4	
75 Ethyl methacrylate	69	7.347	7.347	0.000	86	169622	10.0	10.8	
79 1,1,2-Trichloroethane	83	7.499	7.493	0.006	87	90949	10.0	10.7	
81 Tetrachloroethene	166	7.548	7.548	0.000	75	112523	10.0	10.1	
82 1,3-Dichloropropane	76	7.657	7.657	0.000	93	191051	10.0	10.5	
80 2-Hexanone	43	7.724	7.718	0.006	95	632618	50.0	52.9	
83 Chlorodibromomethane	129	7.888	7.888	0.000	87	104400	10.0	10.2	
84 Ethylene Dibromide	107	7.992	7.998	-0.006	94	114071	10.0	10.6	
87 Chlorobenzene	112	8.466	8.466	0.000	90	308960	10.0	10.3	
88 Ethylbenzene	91	8.558	8.558	0.000	99	531212	10.0	10.3	
89 1,1,1,2-Tetrachloroethane	131	8.570	8.564	0.006	51	102948	10.0	9.78	
90 m-Xylene & p-Xylene	106	8.679	8.679	0.000	98	206686	10.0	10.3	
91 o-Xylene	106	9.105	9.105	0.000	98	208867	10.0	10.4	
92 Styrene	104	9.136	9.136	0.000	93	344286	10.0	10.5	
95 Bromoform	173	9.391	9.391	0.000	91	68579	10.0	10.0	
94 Isopropylbenzene	105	9.488	9.488	0.000	96	543096	10.0	9.95	
101 Bromobenzene	156	9.835	9.835	0.000	97	128408	10.0	9.93	
97 1,1,2,2-Tetrachloroethane	83	9.896	9.896	0.000	81	157951	10.0	9.80	
99 N-Propylbenzene	91	9.914	9.914	0.000	98	640002	10.0	9.63	
100 1,2,3-Trichloropropane	110	9.932	9.932	0.000	82	52075	10.0	9.92	
98 trans-1,4-Dichloro-2-buten	53	9.945	9.945	0.000	68	60183	10.0	9.65	
103 2-Chlorotoluene	126	10.024	10.024	0.000	94	123619	10.0	9.80	
102 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	84	464121	10.0	10.1	
105 4-Chlorotoluene	126	10.133	10.133	0.000	96	125386	10.0	9.75	
106 tert-Butylbenzene	134	10.413	10.407	0.006	91	98088	10.0	9.83	
107 1,2,4-Trimethylbenzene	105	10.468	10.462	0.006	69	479862	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.620	10.620	0.000	95	586481	10.0	10.3	
111 1,3-Dichlorobenzene	146	10.760	10.760	0.000	71	251528	10.0	10.1	
110 4-Isopropyltoluene	119	10.760	10.760	0.000	95	487015	10.0	10.0	
113 1,4-Dichlorobenzene	146	10.845	10.845	0.000	91	257542	10.0	10.2	
115 n-Butylbenzene	91	11.143	11.143	0.000	97	471541	10.0	10.3	
116 1,2-Dichlorobenzene	146	11.198	11.198	0.000	87	248130	10.0	10.3	
117 1,2-Dibromo-3-Chloropropan	75	11.928	11.928	0.000	67	34422	10.0	9.28	
119 1,2,4-Trichlorobenzene	180	12.597	12.597	0.000	92	177885	10.0	10.9	
120 Hexachlorobutadiene	225	12.700	12.707	-0.007	89	81800	10.0	11.3	
121 Naphthalene	128	12.816	12.816	0.000	98	556193	10.0	11.3	
122 1,2,3-Trichlorobenzene	180	13.017	13.017	0.000	93	169506	10.0	11.3	
S 123 Total BTEX	1				0			51.1	
S 126 1,3-Dichloropropene, Total	1				0			20.4	
S 125 1,2-Dichloroethene, Total	1				0			21.0	
S 124 Xylenes, Total	1				0			20.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00369	Amount Added:	5.00	Units: uL	
8260 CORP mix_00171	Amount Added:	5.00	Units: uL	
S_8260_IS_00328	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00337	Amount Added:	1.00	Units: uL	Run Reagent

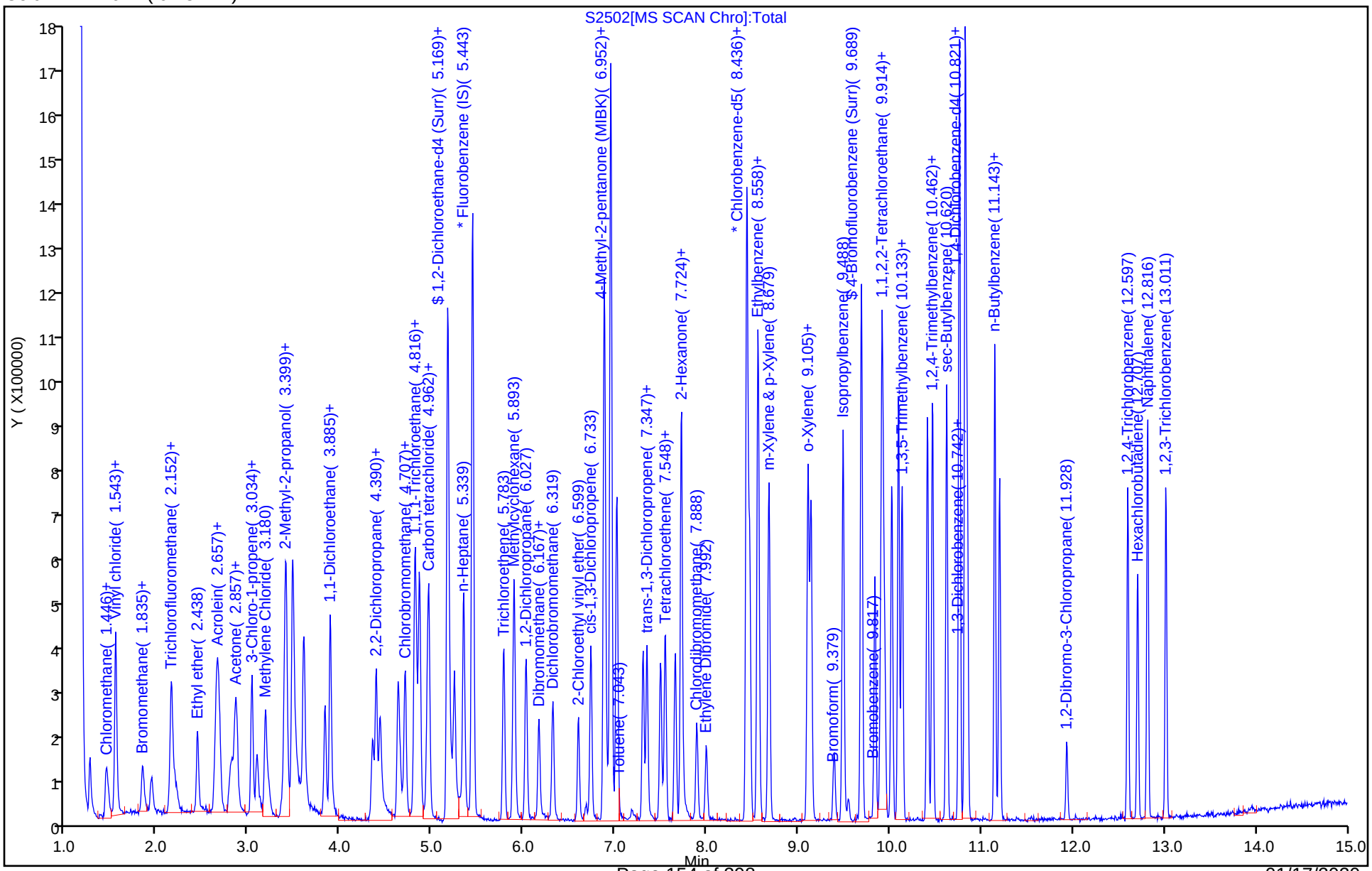
Report Date: 19-Nov-2019 09:35:23 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2502.D

Injection Date:	18-Nov-2019 13:32:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	IC 4			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

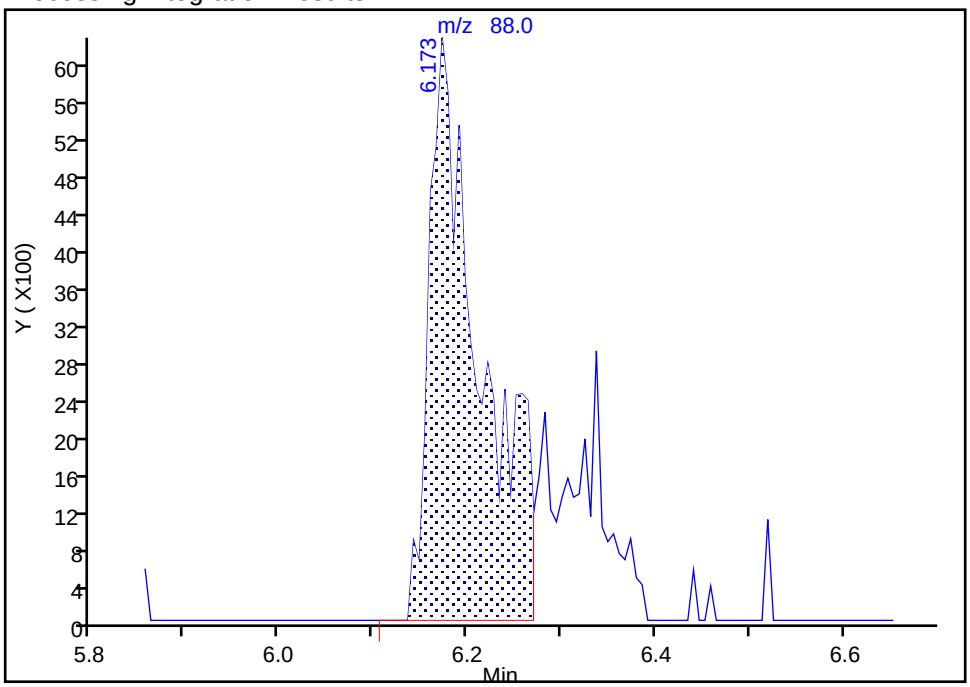
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2502.D
Injection Date: 18-Nov-2019 13:32:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: KN ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

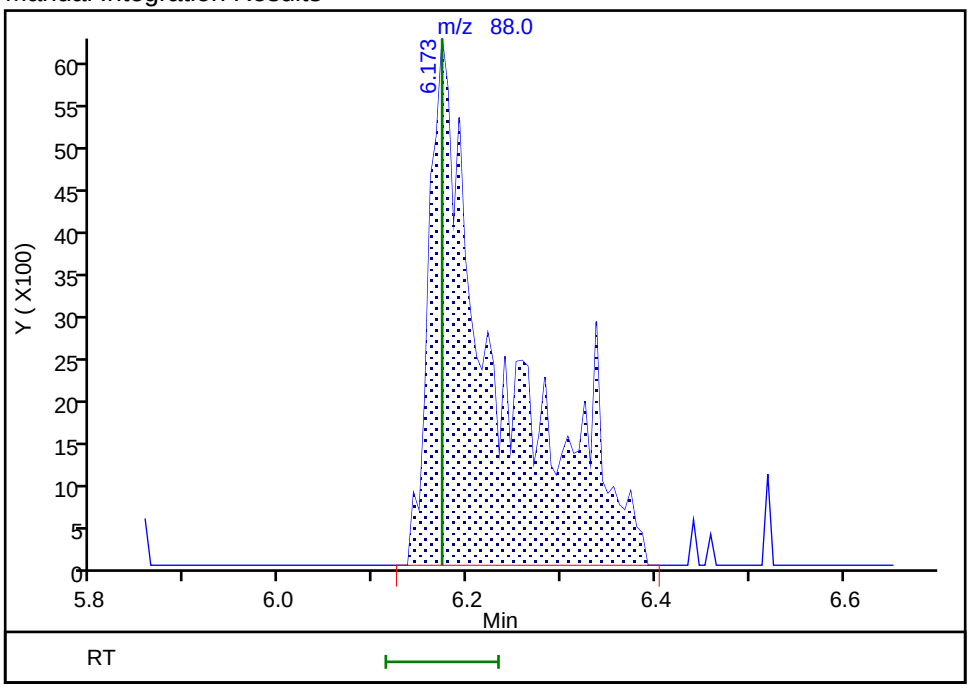
Processing Integration Results

RT: 6.17
Area: 23311
Amount: 177.3234
Amount Units: ug/L



Manual Integration Results

RT: 6.17
Area: 31790
Amount: 231.3206
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:21:17
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2503.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 18-Nov-2019 13:55:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0086222-009
Operator ID: KN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2019 09:35:26 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0317

First Level Reviewer: nowakk Date: 18-Nov-2019 15:05:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	225658	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	88	464407	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.821	10.821	0.000	56	363908	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	57	257801	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	52	178000	25.0	23.7	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.000	87	1065541	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	83	303000	25.0	25.0	
10 Dichlorodifluoromethane	85	1.263	1.263	0.000	87	336438	25.0	23.3	
12 Chloromethane	50	1.440	1.440	0.000	89	391375	25.0	23.1	
13 Vinyl chloride	62	1.537	1.537	0.000	59	332911	25.0	24.1	
151 Butadiene	54	1.543	1.543	0.000	88	324845	25.0	22.0	
14 Bromomethane	94	1.835	1.835	0.000	93	203150	25.0	23.0	
15 Chloroethane	64	1.939	1.939	0.000	93	199193	25.0	21.6	
16 Dichlorofluoromethane	67	2.152	2.152	0.000	80	443403	25.0	21.9	
17 Trichlorofluoromethane	101	2.152	2.152	0.000	70	408372	25.0	24.0	
18 Ethyl ether	59	2.431	2.431	0.000	91	272652	25.0	24.1	
20 Acrolein	56	2.620	2.620	0.000	97	401506	125.0	115.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.650	2.650	0.000	66	234964	25.0	24.6	
22 1,1-Dichloroethene	96	2.675	2.675	0.000	86	236724	25.0	22.7	
23 Acetone	43	2.784	2.784	0.000	94	658393	125.0	121.1	
25 Iodomethane	142	2.851	2.851	0.000	55	418897	25.0	23.9	
26 Carbon disulfide	76	2.863	2.863	0.000	99	823818	25.0	24.1	
28 3-Chloro-1-propene	41	3.028	3.028	0.000	85	514319	25.0	22.9	
27 Methyl acetate	43	3.082	3.082	0.000	96	687262	50.0	50.8	
30 Methylene Chloride	84	3.180	3.180	0.000	89	300999	25.0	24.6	
31 2-Methyl-2-propanol	59	3.356	3.356	0.000	92	378230	250.0	242.0	
32 Methyl tert-butyl ether	73	3.393	3.393	0.000	92	827651	25.0	23.4	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	89	272455	25.0	23.4	
33 Acrylonitrile	53	3.472	3.472	0.000	98	1600622	250.0	252.8	
35 Hexane	57	3.593	3.593	0.000	89	450459	25.0	21.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.831	3.831	0.000	84	536349	25.0	23.3	
37 Vinyl acetate	43	3.885	3.885	0.000	97	1740574	50.0	51.3	
44 2,2-Dichloropropane	77	4.354	4.354	0.000	91	254412	25.0	22.2	
45 cis-1,2-Dichloroethene	96	4.390	4.390	0.000	71	314695	25.0	24.2	
43 2-Butanone (MEK)	43	4.427	4.427	0.000	98	1049750	125.0	126.3	
48 Chlorobromomethane	128	4.628	4.628	0.000	90	145423	25.0	22.6	
49 Tetrahydrofuran	42	4.640	4.640	0.000	89	286385	50.0	51.7	
50 Chloroform	83	4.701	4.701	0.000	71	518054	25.0	22.4	
51 1,1,1-Trichloroethane	97	4.810	4.810	0.000	89	430522	25.0	23.7	
52 Cyclohexane	56	4.816	4.816	0.000	92	548554	25.0	22.7	
55 Carbon tetrachloride	117	4.944	4.944	0.000	80	374505	25.0	23.9	
54 1,1-Dichloropropene	75	4.962	4.962	0.000	89	393666	25.0	24.0	
57 Benzene	78	5.169	5.169	0.000	96	1167665	25.0	24.0	
53 Isobutyl alcohol	43	5.199	5.199	0.000	94	493917	625.0	682.7	
58 1,2-Dichloroethane	62	5.242	5.242	0.000	73	478796	25.0	23.7	
59 n-Heptane	43	5.339	5.339	0.000	94	542308	25.0	21.2	
62 Trichloroethene	95	5.777	5.777	0.000	91	295913	25.0	23.6	
64 Methylcyclohexane	83	5.893	5.893	0.000	93	505893	25.0	23.9	
65 1,2-Dichloropropane	63	6.027	6.027	0.000	89	308655	25.0	24.1	
67 Dibromomethane	93	6.161	6.161	0.000	91	188378	25.0	23.4	
66 1,4-Dioxane	88	6.173	6.173	0.000	35	83115	500.0	556.2	
68 Dichlorobromomethane	83	6.319	6.319	0.000	91	405538	25.0	25.0	
69 2-Chloroethyl vinyl ether	63	6.599	6.599	0.000	91	249428	25.0	27.6	
72 cis-1,3-Dichloropropene	75	6.733	6.733	0.000	84	511190	25.0	25.4	
73 4-Methyl-2-pentanone (MIBK	43	6.879	6.879	0.000	98	2357837	125.0	131.3	
74 Toluene	92	7.018	7.018	0.000	93	724858	25.0	23.8	
77 trans-1,3-Dichloropropene	75	7.304	7.304	0.000	93	495028	25.0	26.1	
75 Ethyl methacrylate	69	7.347	7.347	0.000	86	448807	25.0	26.2	
79 1,1,2-Trichloroethane	83	7.493	7.493	0.000	88	240127	25.0	25.9	
81 Tetrachloroethene	166	7.548	7.548	0.000	78	297414	25.0	24.5	
82 1,3-Dichloropropane	76	7.657	7.657	0.000	94	512014	25.0	25.9	
80 2-Hexanone	43	7.718	7.718	0.000	95	1701768	125.0	131.0	
83 Chlorodibromomethane	129	7.888	7.888	0.000	86	281139	25.0	25.1	
84 Ethylene Dibromide	107	7.998	7.998	0.000	94	289775	25.0	24.8	
87 Chlorobenzene	112	8.466	8.466	0.000	90	794740	25.0	24.4	
88 Ethylbenzene	91	8.558	8.558	0.000	99	1406627	25.0	25.0	
89 1,1,1,2-Tetrachloroethane	131	8.564	8.564	0.000	42	275743	25.0	24.1	
90 m-Xylene & p-Xylene	106	8.679	8.679	0.000	98	536387	25.0	24.7	
91 o-Xylene	106	9.105	9.105	0.000	98	528277	25.0	24.3	
92 Styrene	104	9.136	9.136	0.000	93	923143	25.0	26.0	
95 Bromoform	173	9.391	9.391	0.000	94	195924	25.0	26.3	
94 Isopropylbenzene	105	9.488	9.488	0.000	96	1368086	25.0	26.1	
101 Bromobenzene	156	9.835	9.835	0.000	99	321011	25.0	25.9	
97 1,1,2,2-Tetrachloroethane	83	9.896	9.896	0.000	82	406596	25.0	26.3	
99 N-Propylbenzene	91	9.914	9.914	0.000	98	1664209	25.0	26.1	
100 1,2,3-Trichloropropane	110	9.932	9.932	0.000	83	130687	25.0	26.0	
98 trans-1,4-Dichloro-2-buten	53	9.945	9.945	0.000	72	166773	25.0	27.9	
103 2-Chlorotoluene	126	10.024	10.024	0.000	95	305361	25.0	25.2	
102 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	83	1155003	25.0	26.2	
105 4-Chlorotoluene	126	10.133	10.133	0.000	97	316923	25.0	25.7	
106 tert-Butylbenzene	134	10.407	10.407	0.000	90	246802	25.0	25.8	
107 1,2,4-Trimethylbenzene	105	10.462	10.462	0.000	76	1159965	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.620	10.620	0.000	95	1424070	25.0	26.0	
111 1,3-Dichlorobenzene	146	10.760	10.760	0.000	72	622716	25.0	26.2	
110 4-Isopropyltoluene	119	10.760	10.760	0.000	95	1183394	25.0	25.3	
113 1,4-Dichlorobenzene	146	10.845	10.845	0.000	91	635389	25.0	26.3	
115 n-Butylbenzene	91	11.143	11.143	0.000	96	1137459	25.0	25.8	
116 1,2-Dichlorobenzene	146	11.198	11.198	0.000	90	600898	25.0	26.1	
117 1,2-Dibromo-3-Chloropropan	75	11.928	11.928	0.000	69	87469	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	12.597	12.597	0.000	92	387940	25.0	24.8	
120 Hexachlorobutadiene	225	12.707	12.707	0.000	94	162114	25.0	23.4	
121 Naphthalene	128	12.816	12.816	0.000	98	1159392	25.0	24.4	
122 1,2,3-Trichlorobenzene	180	13.017	13.017	0.000	95	330549	25.0	22.9	

Reagents:

GAS CORP mix_00369	Amount Added: 12.50	Units: uL	
8260 CORP mix_00171	Amount Added: 12.50	Units: uL	
S_8260_IS_00328	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00337	Amount Added: 1.00	Units: uL	Run Reagent

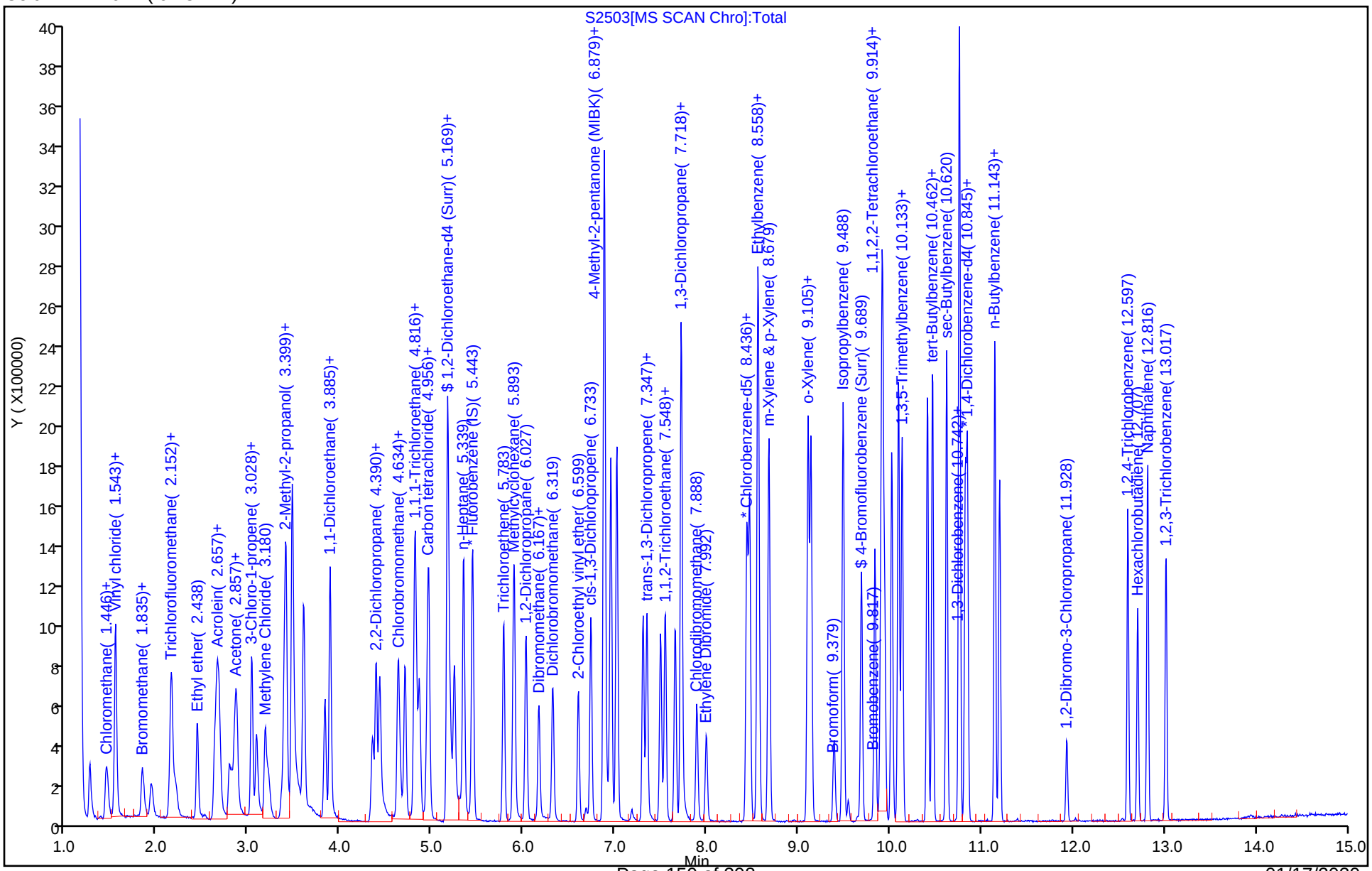
Report Date: 19-Nov-2019 09:35:28 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2503.D

Injection Date:	18-Nov-2019 13:55:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	ICIS 5			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2504.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-Nov-2019 14:18:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0086222-010
Operator ID: KN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2019 09:35:31 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0317

First Level Reviewer: nowakk Date: 18-Nov-2019 15:23:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.437	5.443	-0.006	98	220195	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	90	450464	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.827	10.821	0.006	45	350734	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	54	264583	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	42	180915	25.0	24.7	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.000	82	1032814	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	83	288190	25.0	24.5	
10 Dichlorodifluoromethane	85	1.263	1.263	0.000	88	709870	50.0	50.4	
12 Chloromethane	50	1.446	1.440	0.006	89	788800	50.0	47.7	
13 Vinyl chloride	62	1.537	1.537	0.000	60	664682	50.0	49.2	
151 Butadiene	54	1.543	1.543	0.000	91	660256	50.0	45.8	
14 Bromomethane	94	1.841	1.835	0.006	91	397497	50.0	46.1	
15 Chloroethane	64	1.933	1.939	-0.006	94	399813	50.0	44.5	
16 Dichlorofluoromethane	67	2.152	2.152	0.000	78	864218	50.0	43.8	
17 Trichlorofluoromethane	101	2.152	2.152	0.000	67	835252	50.0	50.3	
18 Ethyl ether	59	2.432	2.431	0.001	94	520041	50.0	47.1	
20 Acrolein	56	2.626	2.620	0.006	92	791221	250.0	233.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.657	2.650	0.007	67	474688	50.0	51.0	
22 1,1-Dichloroethene	96	2.657	2.675	-0.018	86	455064	50.0	44.8	
23 Acetone	43	2.784	2.784	0.000	99	1198579	250.0	225.9	
25 Iodomethane	142	2.851	2.851	0.000	52	817772	50.0	47.8	
26 Carbon disulfide	76	2.863	2.863	0.000	100	1591851	50.0	47.7	
28 3-Chloro-1-propene	41	3.028	3.028	0.000	88	1020923	50.0	46.7	
27 Methyl acetate	43	3.082	3.082	0.000	95	1182779	100.0	89.7	
30 Methylene Chloride	84	3.180	3.180	0.000	91	575850	50.0	49.3	
31 2-Methyl-2-propanol	59	3.356	3.356	0.000	92	693359	500.0	454.6	M
32 Methyl tert-butyl ether	73	3.387	3.393	-0.006	93	1556351	50.0	45.1	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	89	532042	50.0	46.9	
33 Acrylonitrile	53	3.472	3.472	0.000	97	2931173	500.0	474.5	
35 Hexane	57	3.600	3.593	0.007	89	910777	50.0	44.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.831	3.831	0.000	86	1071949	50.0	47.8	
37 Vinyl acetate	43	3.885	3.885	0.000	97	3252187	100.0	98.2	
44 2,2-Dichloropropane	77	4.348	4.354	-0.006	92	497829	50.0	44.5	
45 cis-1,2-Dichloroethene	96	4.384	4.390	-0.006	72	600483	50.0	47.4	
43 2-Butanone (MEK)	43	4.427	4.427	0.000	97	2000707	250.0	246.7	
48 Chlorobromomethane	128	4.628	4.628	0.000	91	281146	50.0	44.8	
49 Tetrahydrofuran	42	4.640	4.640	0.000	90	496497	100.0	91.9	
50 Chloroform	83	4.707	4.701	0.006	71	997219	50.0	44.1	
51 1,1,1-Trichloroethane	97	4.810	4.810	0.000	87	862273	50.0	48.7	
52 Cyclohexane	56	4.816	4.816	0.000	91	1116367	50.0	47.3	
55 Carbon tetrachloride	117	4.944	4.944	0.000	78	746739	50.0	48.8	
54 1,1-Dichloropropene	75	4.962	4.962	0.000	90	782133	50.0	48.8	
57 Benzene	78	5.169	5.169	0.000	98	2217047	50.0	46.8	
53 Isobutyl alcohol	43	5.200	5.199	0.001	91	798422	1250.0	1130.9	
58 1,2-Dichloroethane	62	5.242	5.242	0.000	74	912091	50.0	46.2	
59 n-Heptane	43	5.346	5.339	0.007	94	1117706	50.0	44.8	
62 Trichloroethene	95	5.777	5.777	0.000	92	584592	50.0	47.7	
64 Methylcyclohexane	83	5.893	5.893	0.000	94	1011563	50.0	49.0	
65 1,2-Dichloropropane	63	6.027	6.027	0.000	88	566231	50.0	45.3	
67 Dibromomethane	93	6.161	6.161	0.000	89	363993	50.0	46.3	
66 1,4-Dioxane	88	6.173	6.173	0.000	35	127484	1000.0	879.5	
68 Dichlorobromomethane	83	6.319	6.319	0.000	93	753773	50.0	47.6	
69 2-Chloroethyl vinyl ether	63	6.599	6.599	0.000	93	431175	50.0	48.8	
72 cis-1,3-Dichloropropene	75	6.733	6.733	0.001	85	946738	50.0	48.1	
73 4-Methyl-2-pentanone (MIBK	43	6.879	6.879	0.001	98	4167538	250.0	239.2	
74 Toluene	92	7.019	7.018	0.000	90	1401786	50.0	47.5	
77 trans-1,3-Dichloropropene	75	7.304	7.304	0.000	94	901679	50.0	49.0	
75 Ethyl methacrylate	69	7.347	7.347	0.000	87	808334	50.0	48.7	
79 1,1,2-Trichloroethane	83	7.493	7.493	0.000	89	426666	50.0	47.4	
81 Tetrachloroethene	166	7.548	7.548	0.000	77	557872	50.0	47.4	
82 1,3-Dichloropropane	76	7.657	7.657	0.000	94	918463	50.0	47.8	
80 2-Hexanone	43	7.718	7.718	0.000	95	2919283	250.0	231.7	
83 Chlorodibromomethane	129	7.888	7.888	0.000	88	528703	50.0	48.7	
84 Ethylene Dibromide	107	7.992	7.998	-0.006	98	532169	50.0	47.0	
87 Chlorobenzene	112	8.466	8.466	0.000	89	1481364	50.0	46.8	
88 Ethylbenzene	91	8.558	8.558	0.000	99	2587651	50.0	47.4	
89 1,1,1,2-Tetrachloroethane	131	8.564	8.564	0.000	42	525109	50.0	47.3	
90 m-Xylene & p-Xylene	106	8.679	8.679	0.000	99	992642	50.0	47.0	
91 o-Xylene	106	9.105	9.105	0.000	98	978445	50.0	46.4	
92 Styrene	104	9.136	9.136	0.000	93	1622553	50.0	47.0	
95 Bromoform	173	9.391	9.391	0.000	91	353691	50.0	48.9	
94 Isopropylbenzene	105	9.488	9.488	0.000	96	2507658	50.0	49.7	
101 Bromobenzene	156	9.835	9.835	0.000	99	575970	50.0	48.2	
97 1,1,2,2-Tetrachloroethane	83	9.896	9.896	0.000	88	707499	50.0	47.5	
99 N-Propylbenzene	91	9.914	9.914	0.000	98	3043972	50.0	49.5	
100 1,2,3-Trichloropropane	110	9.926	9.932	-0.006	52	231689	50.0	47.7	
98 trans-1,4-Dichloro-2-buten	53	9.945	9.945	0.000	67	287093	50.0	49.8	
103 2-Chlorotoluene	126	10.018	10.024	-0.006	94	553197	50.0	47.4	
102 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	91	2083232	50.0	49.0	
105 4-Chlorotoluene	126	10.133	10.133	0.000	89	581913	50.0	49.0	
106 tert-Butylbenzene	134	10.413	10.407	0.006	86	436855	50.0	47.3	
107 1,2,4-Trimethylbenzene	105	10.462	10.462	0.000	57	2098860	50.0	48.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.620	10.620	0.000	95	2534986	50.0	48.1	
111 1,3-Dichlorobenzene	146	10.760	10.760	0.000	71	1096195	50.0	47.8	
110 4-Isopropyltoluene	119	10.760	10.760	0.000	96	2142342	50.0	47.6	
113 1,4-Dichlorobenzene	146	10.845	10.845	0.000	92	1144308	50.0	49.1	
115 n-Butylbenzene	91	11.143	11.143	0.000	96	2009589	50.0	47.3	
116 1,2-Dichlorobenzene	146	11.198	11.198	0.000	91	1057743	50.0	47.7	
117 1,2-Dibromo-3-Chloropropan	75	11.934	11.928	0.006	77	160107	50.0	46.7	
119 1,2,4-Trichlorobenzene	180	12.597	12.597	0.000	92	615939	50.0	40.8	
120 Hexachlorobutadiene	225	12.707	12.707	0.000	95	265721	50.0	39.8	
121 Naphthalene	128	12.816	12.816	0.000	98	1917106	50.0	41.9	
122 1,2,3-Trichlorobenzene	180	13.017	13.017	0.000	92	532585	50.0	38.3	
S 123 Total BTEX	1				0			235.1	
S 126 1,3-Dichloropropene, Total	1				0			97.2	
S 125 1,2-Dichloroethene, Total	1				0			94.3	
S 124 Xylenes, Total	1				0			93.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00369	Amount Added: 25.00	Units: uL		
8260 CORP mix_00171	Amount Added: 25.00	Units: uL		
S_8260_IS_00328	Amount Added: 1.00	Units: uL	Run Reagent	
S_8260_Surr_00337	Amount Added: 1.00	Units: uL	Run Reagent	

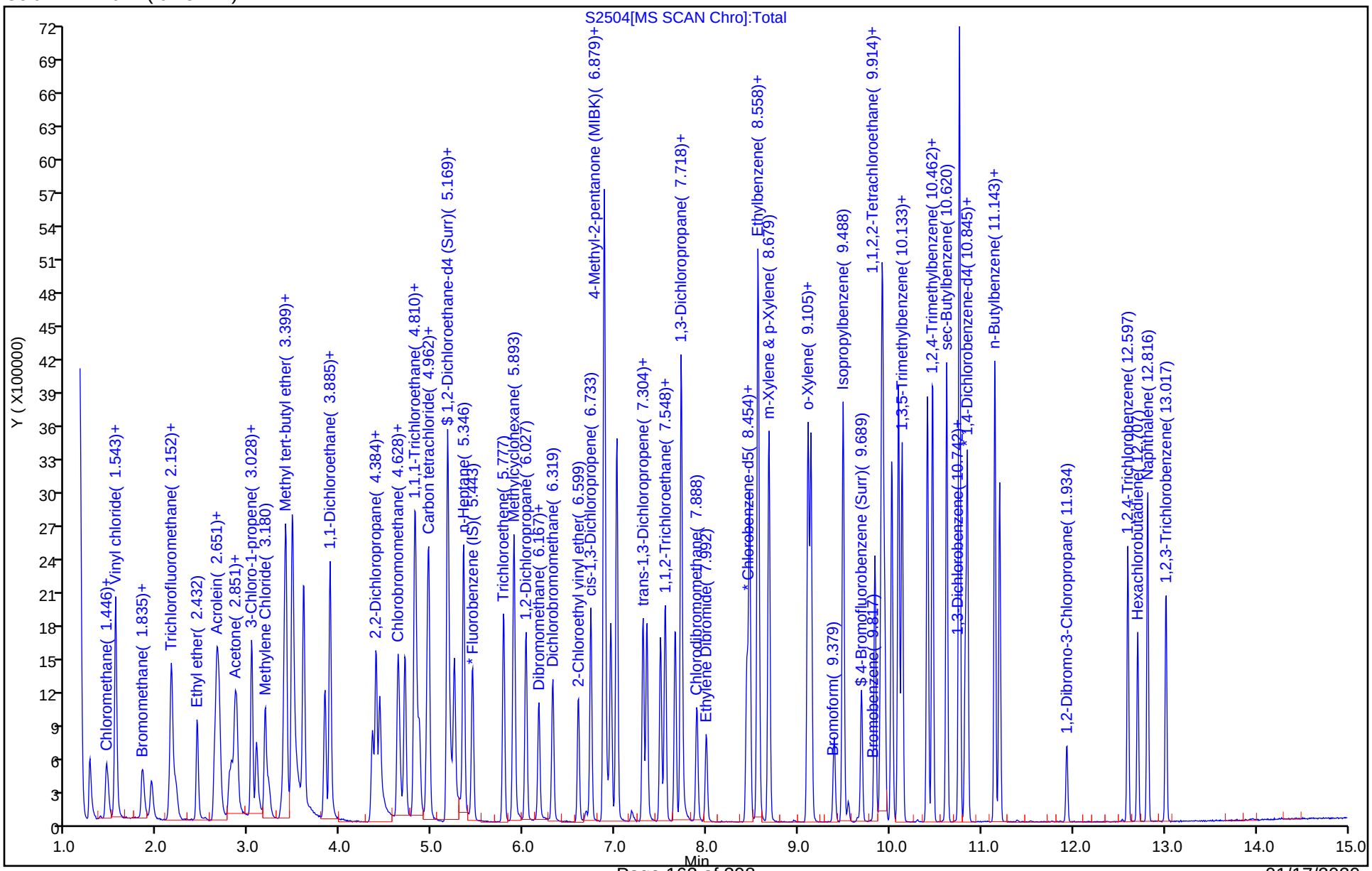
Report Date: 19-Nov-2019 09:35:33 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2504.D

Injection Date:	18-Nov-2019 14:18:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	IC 6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

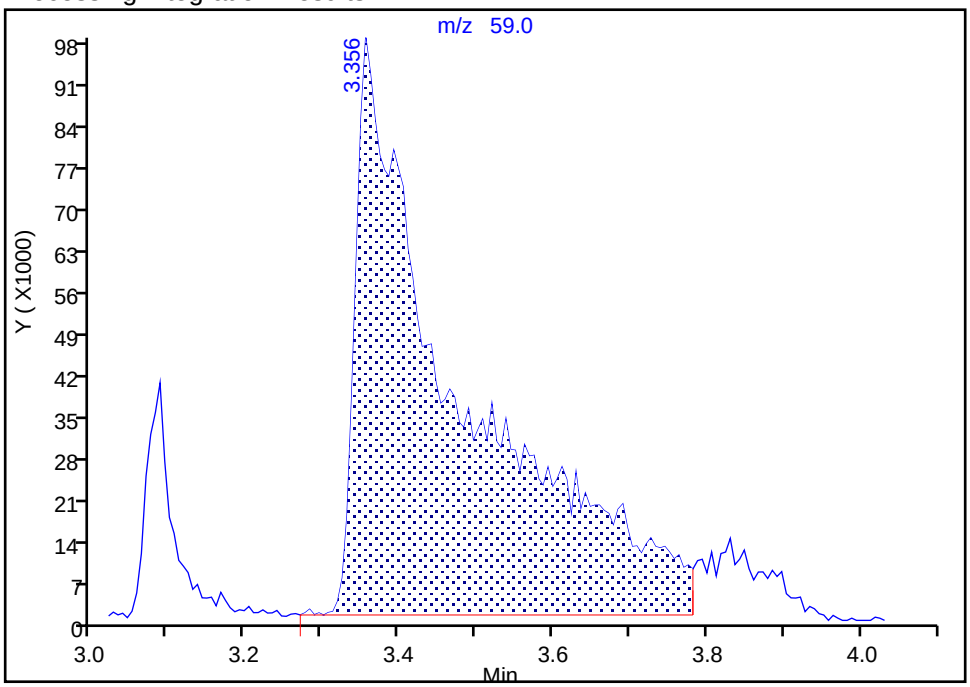
Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2504.D
Injection Date: 18-Nov-2019 14:18:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: KN ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

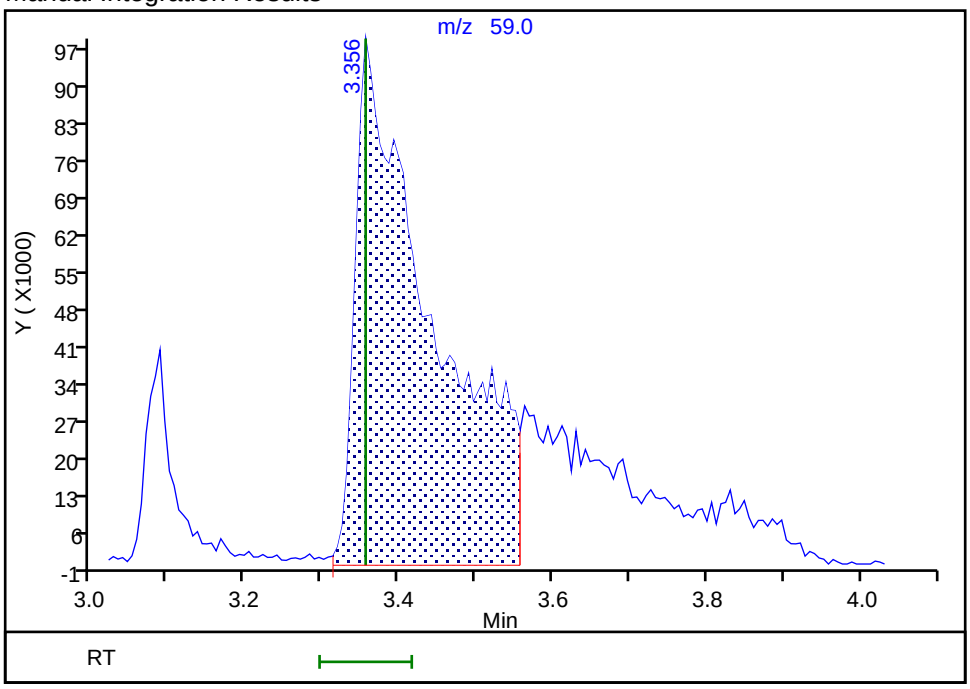
Processing Integration Results

RT: 3.36
Area: 905970
Amount: 574.0016
Amount Units: ug/L



Manual Integration Results

RT: 3.36
Area: 693359
Amount: 454.6056
Amount Units: ug/L



Reviewer: nowakk, 18-Nov-2019 15:22:38
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2505.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 18-Nov-2019 14:41:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0086222-011
Operator ID: KN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2019 09:35:37 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0317

First Level Reviewer: nowakk Date: 18-Nov-2019 15:45:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	230063	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	89	454278	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.827	10.821	0.006	6	347047	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.865	4.859	0.006	56	264530	25.0	24.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	36	182029	25.0	23.8	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.000	53	1054506	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	83	288704	25.0	24.3	
10 Dichlorodifluoromethane	85	1.263	1.263	0.000	88	1561433	100.0	106.1	
12 Chloromethane	50	1.446	1.440	0.006	88	1635007	100.0	94.7	
13 Vinyl chloride	62	1.537	1.537	0.000	70	1418532	100.0	100.5	
151 Butadiene	54	1.543	1.543	0.000	88	1465989	100.0	97.3	
14 Bromomethane	94	1.841	1.835	0.006	92	819122	100.0	90.9	
15 Chloroethane	64	1.933	1.939	-0.006	94	839454	100.0	89.5	
16 Dichlorofluoromethane	67	2.152	2.152	0.000	80	1844471	100.0	89.5	
17 Trichlorofluoromethane	101	2.152	2.152	0.000	68	1826933	100.0	105.2	
18 Ethyl ether	59	2.438	2.431	0.007	94	1103038	100.0	95.6	
20 Acrolein	56	2.626	2.620	0.006	98	1589848	500.0	449.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.657	2.650	0.007	68	1078696	100.0	110.9	
22 1,1-Dichloroethene	96	2.669	2.675	-0.006	86	1000482	100.0	94.2	
23 Acetone	43	2.784	2.784	0.000	98	2644447	500.0	477.0	
25 Iodomethane	142	2.845	2.851	-0.006	72	1757349	100.0	98.3	
26 Carbon disulfide	76	2.863	2.863	0.000	99	3541788	100.0	101.6	
28 3-Chloro-1-propene	41	3.028	3.028	0.000	86	2179306	100.0	95.3	
27 Methyl acetate	43	3.082	3.082	0.000	96	2675125	200.0	194.1	
30 Methylene Chloride	84	3.180	3.180	0.000	94	1205999	100.0	99.9	
31 2-Methyl-2-propanol	59	3.356	3.356	0.000	95	2054266	1000.0	1289.1	
32 Methyl tert-butyl ether	73	3.393	3.393	0.000	92	3375458	100.0	93.6	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	89	1172244	100.0	98.9	
33 Acrylonitrile	53	3.472	3.472	0.000	98	6699253	1000.0	1038.0	
35 Hexane	57	3.600	3.593	0.007	91	2007124	100.0	93.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.831	3.831	0.000	85	2293540	100.0	97.9	
37 Vinyl acetate	43	3.885	3.885	0.000	97	7447427	200.0	215.3	
44 2,2-Dichloropropane	77	4.348	4.354	-0.006	92	1025375	100.0	87.8	
45 cis-1,2-Dichloroethene	96	4.390	4.390	0.000	67	1250351	100.0	94.5	
43 2-Butanone (MEK)	43	4.427	4.427	0.000	97	4427964	500.0	522.6	
48 Chlorobromomethane	128	4.628	4.628	0.000	90	606600	100.0	92.5	
49 Tetrahydrofuran	42	4.640	4.640	0.000	90	1118834	200.0	198.2	
50 Chloroform	83	4.707	4.701	0.006	71	2138450	100.0	90.5	
51 1,1,1-Trichloroethane	97	4.810	4.810	0.000	88	1888544	100.0	102.1	
52 Cyclohexane	56	4.816	4.816	0.000	93	2488413	100.0	100.9	
55 Carbon tetrachloride	117	4.950	4.944	0.006	77	1698844	100.0	106.2	
54 1,1-Dichloropropene	75	4.962	4.962	0.000	89	1743436	100.0	104.1	
57 Benzene	78	5.169	5.169	0.000	98	4910584	100.0	99.1	
53 Isobutyl alcohol	43	5.200	5.199	0.001	94	1937689	2500.0	2626.9	
58 1,2-Dichloroethane	62	5.242	5.242	0.000	73	1969622	100.0	95.5	
59 n-Heptane	43	5.346	5.339	0.007	93	2581496	100.0	98.9	
62 Trichloroethene	95	5.784	5.777	0.007	93	1272862	100.0	99.5	
64 Methylcyclohexane	83	5.893	5.893	0.000	95	2305258	100.0	106.9	
65 1,2-Dichloropropane	63	6.027	6.027	0.000	89	1274296	100.0	97.5	
67 Dibromomethane	93	6.161	6.161	0.000	88	796456	100.0	96.9	
66 1,4-Dioxane	88	6.173	6.173	0.000	34	288454	2000.0	1973.3	
68 Dichlorobromomethane	83	6.319	6.319	0.000	93	1692232	100.0	102.2	
69 2-Chloroethyl vinyl ether	63	6.599	6.599	0.000	92	1009347	100.0	109.4	
72 cis-1,3-Dichloropropene	75	6.733	6.733	0.001	85	2147581	100.0	104.5	
73 4-Methyl-2-pentanone (MIBK	43	6.879	6.879	0.001	98	9255902	500.0	526.8	
74 Toluene	92	7.019	7.018	0.001	96	3110451	100.0	104.5	
77 trans-1,3-Dichloropropene	75	7.304	7.304	0.000	94	2074244	100.0	111.9	
75 Ethyl methacrylate	69	7.347	7.347	0.000	85	1833750	100.0	109.6	
79 1,1,2-Trichloroethane	83	7.499	7.493	0.006	90	947205	100.0	104.3	
81 Tetrachloroethene	166	7.548	7.548	0.000	79	1262415	100.0	106.4	
82 1,3-Dichloropropane	76	7.651	7.657	-0.006	96	2038617	100.0	105.3	
80 2-Hexanone	43	7.718	7.718	0.000	95	6458282	500.0	508.2	
83 Chlorodibromomethane	129	7.895	7.888	0.007	87	1196847	100.0	109.4	
84 Ethylene Dibromide	107	7.992	7.998	-0.006	96	1187887	100.0	104.0	
87 Chlorobenzene	112	8.466	8.466	0.000	91	3275714	100.0	102.6	
88 Ethylbenzene	91	8.558	8.558	0.000	99	5719671	100.0	103.8	
89 1,1,1,2-Tetrachloroethane	131	8.564	8.564	0.000	40	1104077	100.0	98.6	
90 m-Xylene & p-Xylene	106	8.679	8.679	0.000	98	2182880	100.0	102.6	
91 o-Xylene	106	9.105	9.105	0.000	98	2060275	100.0	96.8	
92 Styrene	104	9.136	9.136	0.000	94	3565859	100.0	102.5	
95 Bromoform	173	9.391	9.391	0.000	94	797206	100.0	109.3	
94 Isopropylbenzene	105	9.488	9.488	0.000	96	5456731	100.0	109.3	
101 Bromobenzene	156	9.835	9.835	0.000	99	1240612	100.0	104.9	
97 1,1,2,2-Tetrachloroethane	83	9.902	9.896	0.006	64	1496367	100.0	101.5	
99 N-Propylbenzene	91	9.914	9.914	0.000	98	6556101	100.0	107.8	
100 1,2,3-Trichloropropane	110	9.933	9.932	0.001	72	493269	100.0	102.7	
98 trans-1,4-Dichloro-2-buten	53	9.945	9.945	0.000	81	646473	100.0	113.2	
103 2-Chlorotoluene	126	10.024	10.024	0.000	95	1159631	100.0	100.5	
102 1,3,5-Trimethylbenzene	105	10.097	10.091	0.006	90	4447730	100.0	105.8	
105 4-Chlorotoluene	126	10.133	10.133	0.000	89	1231287	100.0	104.7	
106 tert-Butylbenzene	134	10.413	10.407	0.006	91	934085	100.0	102.3	
107 1,2,4-Trimethylbenzene	105	10.468	10.462	0.006	38	4421031	100.0	102.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.620	10.620	0.000	95	5535193	100.0	106.1	
111 1,3-Dichlorobenzene	146	10.760	10.760	0.000	70	2294111	100.0	101.1	
110 4-Isopropyltoluene	119	10.760	10.760	0.000	94	4586308	100.0	103.0	
113 1,4-Dichlorobenzene	146	10.845	10.845	0.000	92	2352924	100.0	102.1	
115 n-Butylbenzene	91	11.143	11.143	0.000	96	4301826	100.0	102.2	
116 1,2-Dichlorobenzene	146	11.198	11.198	0.000	90	2162777	100.0	98.5	
117 1,2-Dibromo-3-Chloropropan	75	11.928	11.928	0.000	73	331417	100.0	97.6	
119 1,2,4-Trichlorobenzene	180	12.597	12.597	0.000	90	1231764	100.0	82.5	
120 Hexachlorobutadiene	225	12.707	12.707	0.000	96	516020	100.0	78.2	
121 Naphthalene	128	12.816	12.816	0.000	97	3893317	100.0	86.1	
122 1,2,3-Trichlorobenzene	180	13.017	13.017	0.000	93	1050104	100.0	76.3	
S 123 Total BTEX	1				0			506.9	
S 126 1,3-Dichloropropene, Total	1				0			216.3	
S 125 1,2-Dichloroethene, Total	1				0			193.4	
S 124 Xylenes, Total	1				0			199.4	

Reagents:

GAS CORP mix_00369	Amount Added: 50.00	Units: uL		
8260 CORP mix_00171	Amount Added: 50.00	Units: uL		
S_8260_IS_00328	Amount Added: 1.00	Units: uL	Run Reagent	
S_8260_Surr_00337	Amount Added: 1.00	Units: uL	Run Reagent	

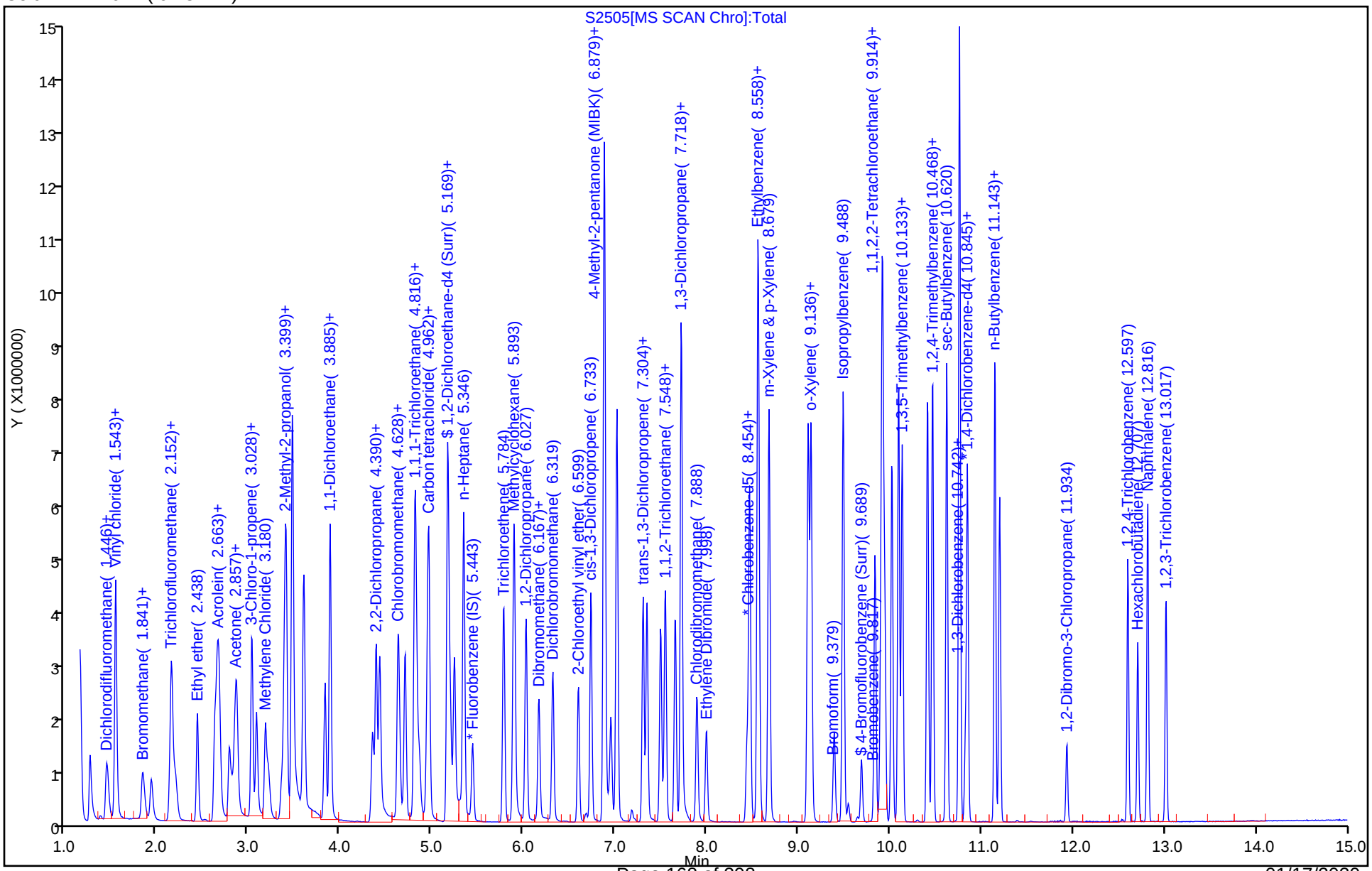
Report Date: 19-Nov-2019 09:35:39 Chrom Revision: 2.3 09-Oct-2019 11:13:36

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2505.D

Injection Date:	18-Nov-2019 14:41:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 510334

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2019 14:46 Calibration End Date: 12/17/2019 17:35 Calibration ID: 38395

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-510334/6	T9251.D
Level 2	IC 480-510334/7	T9252.D
Level 3	IC 480-510334/8	T9253.D
Level 4	IC 480-510334/9	T9254.D
Level 5	IC 480-510334/10	T9255.D
Level 6	ICIS 480-510334/11	T9256.D
Level 7	IC 480-510334/12	T9257.D
Level 8	IC 480-510334/13	T9258.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.6739 1.6123	1.4825 1.4919	1.6070 1.4762	1.5933	1.5171	Ave		1.5568			0.1000	4.8		20.0			
Chloromethane	2.2300 2.2390	2.4413 2.1292	2.3353 2.0479	2.2012	2.0668	Ave		2.2113			0.1000	6.0		20.0			
Butadiene	1.6365 1.9086	1.5194 1.7156	1.8516 1.7344	1.9380	1.8322	Ave		1.7670				8.1		20.0			
Vinyl chloride	2.0086 1.9205	1.8522 1.7733	1.7924 1.7766	1.8700	1.8067	Ave		1.8500			0.1000	4.4		20.0			
Bromomethane	1.1804 1.0663	1.1535 1.0254	0.9514 1.0496	1.0257	0.9026	Ave		1.0444			0.1000	8.9		20.0			
Chloroethane	+++++ 1.0893	1.1470 1.0475	1.0185 1.0469	1.0288	0.9870	Ave		1.0522			0.1000	5.0		20.0			
Trichlorofluoromethane	1.9539 2.0816	1.8637 1.9450	1.8703 1.9333	1.9886	1.9542	Ave		1.9488			0.1000	3.5		20.0			
Dichlorofluoromethane	2.6064 2.5155	2.2811 2.3517	2.3160 2.3517	2.4146	2.3475	Ave		2.3981				4.6		20.0			
Ethyl ether	1.6107 1.3899	1.4353 1.3333	1.4723 1.3551	1.3960	1.3931	Ave		1.4232				6.1		20.0			
Acrolein	0.3564 0.3519	0.3960 0.3342	0.4182 0.3471	0.3559	0.3410	Ave		0.3626				8.0		20.0			
1,1-Dichloroethene	1.4463 1.1718	1.1391 1.1186	1.2740 1.1086	1.2163	1.0904	Ave		1.1956			0.1000	9.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1628 1.2655	0.8968 1.1759	1.0836 1.1796	1.2469	1.1400	Ave		1.1439			0.1000	10.1		20.0			
Acetone	0.4982 0.6879	0.7455 0.6322	0.7029 0.6727	0.7064	0.6589	Ave		0.6631			0.1000	11.3		20.0			
Iodomethane	2.0609 2.2855	2.0310 2.2130	2.1629 2.2010	2.2209	2.1633	Ave		2.1673				3.9		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 510334

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2019 14:46 Calibration End Date: 12/17/2019 17:35 Calibration ID: 38395

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.0320 4.2220	3.6658 4.0168	3.8561 4.0319	4.1019	3.8541	Ave		3.9726			0.1000	4.4		20.0			
Allyl chloride	2.4994 2.5449	2.2654 2.4482	2.3443 2.4482	2.4585	2.3542	Ave		2.4204				3.8		20.0			
Methyl acetate	1.8916 1.5804	1.5496 1.5598	1.4779 1.5053	1.5797	1.4904	Ave		1.5793			0.1000	8.4		20.0			
Methylene Chloride	+++++ 1.4389	3.3549 1.3586	2.3831 1.3369	1.7794	1.4703	Lin1	2.0755	1.3201			0.1000				1.0000		0.9900
2-Methyl-2-propanol	0.2720 0.3117	0.2602 0.3043	0.2752 0.3152	0.2928	0.2900	Ave		0.2902				6.8		20.0			
Methyl tert-butyl ether	3.4061 4.1702	3.8488 4.0130	3.8325 4.0276	4.0467	3.9251	Ave		3.9087			0.1000	5.9		20.0			
trans-1,2-Dichloroethene	1.3424 1.3177	1.1837 1.2730	1.2886 1.2658	1.3324	1.2780	Ave		1.2852			0.1000	3.9		20.0			
Acrylonitrile	0.6970 0.8249	0.7699 0.7545	0.7451 0.8002	0.8219	0.7603	Ave		0.7717				5.6		20.0			
Hexane	+++++ 2.3920	2.6093 2.2205	2.4210 2.2192	2.4790	2.1929	Ave		2.3620				6.7		20.0			
1,1-Dichloroethane	2.1569 2.5051	2.2544 2.4058	2.3277 2.3972	2.4920	2.3302	Ave		2.3587			0.2000	5.0		20.0			
Vinyl acetate	3.1956 3.7630	3.2467 3.6977	3.3104 3.7580	3.4349	3.4253	Ave		3.4789				6.6		20.0			
2,2-Dichloropropane	2.0156 1.8937	1.7087 1.8073	1.8456 1.8144	1.7709	1.7358	Ave		1.8240				5.3		20.0			
cis-1,2-Dichloroethene	1.3225 1.4634	1.3066 1.3706	1.3651 1.4068	1.4404	1.3287	Ave		1.3755			0.1000	4.1		20.0			
2-Butanone (MEK)	0.9150 1.0468	0.9235 1.0363	0.9776 1.0504	1.0042	1.0114	Ave		0.9957			0.1000	5.3		20.0			
Chlorobromomethane	0.8044 0.7872	0.7055 0.7630	0.7132 0.7759	0.7468	0.7552	Ave		0.7564				4.5		20.0			
Tetrahydrofuran	+++++ 0.7534	0.9637 0.7209	0.7927 0.7182	0.7576	0.7250	Ave		0.7759				11.2		20.0			
Chloroform	2.5092 2.2376	2.1607 2.1903	2.1347 2.1879	2.2967	2.0838	Ave		2.2251			0.2000	5.9		20.0			
1,1,1-Trichloroethane	1.9168 1.9659	1.6099 1.9085	1.7964 1.9285	1.9647	1.7361	Ave		1.8533			0.1000	6.9		20.0			
Cyclohexane	2.9426 2.8290	2.3957 2.6691	2.6354 2.6429	2.8070	2.6283	Ave		2.6937			0.1000	6.2		20.0			
Carbon tetrachloride	1.6544 1.7169	1.3902 1.6601	1.4743 1.6788	1.6169	1.5758	Ave		1.5959			0.1000	7.0		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 510334

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2019 14:46 Calibration End Date: 12/17/2019 17:35 Calibration ID: 38395

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.6525 1.7870	1.4698 1.6932	1.5824 1.7021	1.8044	1.6680	Ave		1.6699				6.5		20.0			
Benzene	5.1351 5.0282	4.2275 4.8351	4.9320 4.8025	4.8960	4.6847	Ave		4.8176			0.5000	5.7		20.0			
Isobutyl alcohol	0.1162 0.1272	0.1018 0.1215	0.1007 0.1302	0.1117	0.1107	Ave		0.1150				9.5		20.0			
1,2-Dichloroethane	1.9859 2.0623	1.9043 1.9630	1.8849 1.9654	1.9207	1.9390	Ave		1.9532			0.1000	2.8		20.0			
n-Heptane	+++++ 2.5709	2.4796 2.4820	2.6682 2.4717	2.7421	2.4691	Ave		2.5548				4.3		20.0			
Trichloroethene	1.3049 1.3319	1.2364 1.2780	1.2817 1.2815	1.2651	1.2268	Ave		1.2758			0.2000	2.7		20.0			
Methylcyclohexane	2.4275 2.3992	1.8390 2.2194	2.1153 2.2779	2.4205	2.1556	Ave		2.2318			0.1000	8.9		20.0			
1,2-Dichloropropane	1.2823 1.4399	1.2754 1.3697	1.3105 1.3919	1.3890	1.3158	Ave		1.3468			0.1000	4.4		20.0			
Dibromomethane	0.8563 0.8679	0.8310 0.8291	0.8077 0.8440	0.7877	0.7961	Ave		0.8275			0.1000	3.5		20.0			
1,4-Dioxane	+++++ 0.0065	0.0045 0.0060	0.0056 0.0061	0.0064	0.0061	Ave		0.0059				11.4		20.0			
Bromodichloromethane	1.3577 1.5423	1.2820 1.5683	1.3973 1.6230	1.4091	1.4182	Ave		1.4497			0.2000	8.0		20.0			
2-Chloroethyl vinyl ether	0.8130 1.0747	0.8302 1.0684	0.9934 1.0937	1.0302	1.0126	Ave		0.9895				11.0		20.0			
cis-1,3-Dichloropropene	1.6794 2.1333	1.6775 2.0726	1.9425 2.1519	1.9331	1.9771	Ave		1.9459			0.2000	9.5		20.0			
4-Methyl-2-pentanone (MIBK)	0.4948 0.6060	0.5099 0.5709	0.5386 0.5681	0.5832	0.5492	Ave		0.5526			0.1000	6.8		20.0			
Toluene	0.8972 0.8908	0.8244 0.8319	0.8018 0.8267	0.8849	0.8361	Ave		0.8492			0.4000	4.3		20.0			
trans-1,3-Dichloropropene	0.4511 0.5517	0.4425 0.5346	0.4865 0.5503	0.5082	0.4981	Ave		0.5029			0.1000	8.3		20.0			
Ethyl methacrylate	0.4695 0.5456	0.4571 0.5244	0.4803 0.5409	0.5097	0.4852	Ave		0.5016				6.7		20.0			
1,1,2-Trichloroethane	0.2332 0.2811	0.2287 0.2760	0.2833 0.2701	0.2927	0.2614	Ave		0.2658			0.1000	8.8		20.0			
Tetrachloroethene	0.2953 0.3806	0.3177 0.3574	0.3396 0.3567	0.3659	0.3550	Ave		0.3460			0.2000	8.0		20.0			
1,3-Dichloropropane	0.5533 0.5829	0.5240 0.5663	0.5580 0.5661	0.5902	0.5509	Ave		0.5615				3.6		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 510334

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2019 14:46 Calibration End Date: 12/17/2019 17:35 Calibration ID: 38395

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.3760 0.4409	0.3677 0.4215	0.3697 0.4157	0.4090	0.4010	Ave		0.4002			0.1000	6.7		20.0			
Dibromochloromethane	0.2302 0.3451	0.2503 0.3399	0.2841 0.3640	0.2952	0.2997	Ave		0.3011			0.1000	15.5		20.0			
1,2-Dibromoethane	0.3203 0.3632	0.2892 0.3515	0.3216 0.3545	0.3497	0.3311	Ave		0.3351				7.3		20.0			
Chlorobenzene	0.8569 1.0293	0.9216 0.9792	0.9901 0.9618	1.0230	0.9491	Ave		0.9639			0.5000	5.8		20.0			
Ethylbenzene	1.5981 1.6659	1.4581 1.5705	1.5116 1.5492	1.6709	1.5648	Ave		1.5736			0.1000	4.6		20.0			
1,1,1,2-Tetrachloroethane	0.2494 0.3483	0.2853 0.3436	0.2924 0.3548	0.3319	0.3089	Ave		0.3143				11.7		20.0			
m,p-Xylene	0.6230 0.6870	0.5767 0.6445	0.6166 0.6336	0.6941	0.6302	Ave		0.6382			0.1000	6.0		20.0			
o-Xylene	0.6010 0.6705	0.5691 0.6264	0.5805 0.6269	0.6585	0.6135	Ave		0.6183			0.3000	5.7		20.0			
Styrene	1.0035 1.1125	0.9532 1.0633	0.9763 1.0614	1.0881	1.0032	Ave		1.0327			0.3000	5.5		20.0			
Bromoform	+++++ 0.2151	0.1444 0.2243	0.1681 0.2432	0.1859	0.1781	Ave		0.1942			0.1000	17.9		20.0			
Isopropylbenzene	2.8507 2.9914	2.5215 2.9046	2.7845 2.8526	3.0019	2.8785	Ave		2.8482			0.1000	5.3		20.0			
Bromobenzene	0.7621 0.7581	0.6478 0.7373	0.6993 0.7363	0.7315	0.7268	Ave		0.7249				5.1		20.0			
1,1,2,2-Tetrachloroethane	0.8198 0.8745	0.7316 0.8804	0.8320 0.9012	0.8418	0.8444	Ave		0.8407			0.3000	6.2		20.0			
N-Propylbenzene	3.3289 3.5599	2.9936 3.4183	3.3076 3.3816	3.5653	3.3454	Ave		3.3626				5.3		20.0			
1,2,3-Trichloropropane	0.2535 0.2992	0.2890 0.2912	0.2925 0.2974	0.3129	0.2889	Ave		0.2906				5.8		20.0			
trans-1,4-Dichloro-2-butene	0.2239 0.3015	0.2184 0.3090	0.2408 0.3190	0.2880	0.2694	Ave		0.2712				14.5		20.0			
2-Chlorotoluene	0.6712 0.7507	0.6548 0.7208	0.6973 0.7122	0.7280	0.7106	Ave		0.7057				4.4		20.0			
1,3,5-Trimethylbenzene	2.4030 2.5900	2.1941 2.4929	2.4405 2.5191	2.5658	2.4471	Ave		2.4566				5.0		20.0			
4-Chlorotoluene	2.2573 2.1871	2.0233 2.1232	2.0637 2.1047	2.0753	2.0558	Ave		2.1113				3.7		20.0			
tert-Butylbenzene	0.4860 0.5709	0.5166 0.5516	0.4908 0.5566	0.5798	0.5350	Ave		0.5359				6.6		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 510334

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2019 14:46 Calibration End Date: 12/17/2019 17:35 Calibration ID: 38395

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.1772 2.6524	2.1927 2.5761	2.3263 2.5501	2.6129	2.5625	Ave		2.4563				7.9		20.0			
sec-Butylbenzene	2.9426 3.3321	2.7233 3.2020	3.0375 3.1458	3.3088	3.1257	Ave		3.1022				6.5		20.0			
4-Isopropyltoluene	2.7226 3.0153	2.4149 2.9119	2.7046 2.9003	2.9688	2.8525	Ave		2.8114				6.9		20.0			
1,3-Dichlorobenzene	1.2985 1.4847	1.2822 1.4307	1.4463 1.4259	1.4861	1.4039	Ave		1.4073			0.6000	5.5		20.0			
1,4-Dichlorobenzene	1.3904 1.4861	1.3771 1.4661	1.4290 1.4439	1.5048	1.4579	Ave		1.4444			0.5000	3.1		20.0			
n-Butylbenzene	2.3195 2.6052	2.0848 2.5003	2.3041 2.4562	2.5330	2.4262	Ave		2.4037				6.8		20.0			
1,2-Dichlorobenzene	1.4004 1.4678	1.3285 1.4386	1.3482 1.4461	1.4682	1.4148	Ave		1.4141			0.4000	3.7		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1796	0.1418 0.1839	0.1544 0.1949	0.1617	0.1767	Ave		0.1704			0.0500	10.9		20.0			
1,2,4-Trichlorobenzene	1.0375 1.1063	0.9362 1.0954	1.0830 1.0928	1.0937	1.0500	Ave		1.0619			0.2000	5.3		20.0			
Hexachlorobutadiene	0.4736 0.5014	0.4407 0.4978	0.4381 0.5001	0.4926	0.4721	Ave		0.4770				5.4		20.0			
Naphthalene	3.2335 3.4600	2.8240 3.3662	3.1375 3.4144	3.3609	3.2607	Ave		3.2571				6.3		20.0			
1,2,3-Trichlorobenzene	0.9927 1.1250	1.0395 1.0966	1.0240 1.0951	1.0993	1.0631	Ave		1.0669				4.2		20.0			
Dibromofluoromethane (Surr)	1.2325 1.2355	1.2439 1.2792	1.2169 1.2980	1.2162	1.2231	Ave		1.2432				2.4		20.0			
1,2-Dichloroethane-d4 (Surr)	1.5774 1.5954	1.6214 1.6157	1.5919 1.6912	1.6044	1.5908	Ave		1.6110				2.2		20.0			
Toluene-d8 (Surr)	1.3299 1.3330	1.3410 1.3142	1.3062 1.3141	1.3724	1.3042	Ave		1.3269				1.7		20.0			
4-Bromofluorobenzene (Surr)	0.4004 0.3969	0.4025 0.4001	0.3959 0.3996	0.4006	0.3975	Ave		0.3992				0.6		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 510334

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2019 14:46 Calibration End Date: 12/17/2019 17:35 Calibration ID: 38395

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-510334/6	T9251.D
Level 2	IC 480-510334/7	T9252.D
Level 3	IC 480-510334/8	T9253.D
Level 4	IC 480-510334/9	T9254.D
Level 5	IC 480-510334/10	T9255.D
Level 6	ICIS 480-510334/11	T9256.D
Level 7	IC 480-510334/12	T9257.D
Level 8	IC 480-510334/13	T9258.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4287 261468	9420 475543	20722 944107	51394	98077	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	5711 363110	15512 678665	30113 1309696	70999	133611	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	4191 309518	9654 546830	23875 1109218	62510	118446	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	5144 311447	11769 565231	23112 1136227	60318	116799	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3023 172924	7329 326858	12268 671269	33083	58353	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 176661	7288 333892	13133 669560	33185	63805	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	5004 337582	11842 619973	24116 1236418	64143	126334	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	6675 407938	14494 749604	29864 1504027	77883	151755	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4125 225406	9120 424992	18984 866647	45029	90056	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	4564 285360	12580 532600	26964 1109985	57392	110237	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	3704 190027	7238 356536	16428 708981	39233	70493	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2978 205228	5698 374804	13972 754371	40219	73700	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	6380 557792	23685 1007502	45319 2151057	113931	212992	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	5278 370639	12905 705381	27889 1407649	71635	139848	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	10326 684697	23292 1280359	49722 2578551	132308	249151	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 510334

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2019 14:46 Calibration End Date: 12/17/2019 17:35 Calibration ID: 38395

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	6401 412715	14394 780348	30229 1565683	79300	152191	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	9689 512580	19692 994397	38114 1925333	101909	192695	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	+++++ 233347	21317 433062	30729 855000	57396	95048	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	6965 505483	16534 969878	35489 2015687	94440	187494	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	8723 676288	24455 1279141	49418 2575814	130528	253743	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3438 213689	7521 405770	16616 809533	42977	82620	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	17851 1337745	48920 2405095	96078 5117383	265092	491475	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	+++++ 387912	16579 707775	31217 1419286	79960	141765	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5524 406264	14324 766838	30015 1533096	80379	150639	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	16368 1220501	41259 2357253	85372 4806723	221590	442862	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5162 307105	10857 576074	23798 1160344	57122	112212	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3387 237321	8302 436882	17602 899677	46460	85893	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	11717 848799	29340 1651575	63028 3358756	161962	326931	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2060 127658	4483 243202	9196 496198	24088	48821	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 244351	12246 459588	20443 918593	48875	93740	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	6426 362879	13729 698166	27526 1399244	74080	134713	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	4909 318811	10229 608320	23163 1233364	63371	112235	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	7536 458779	15222 850774	33982 1690246	90541	169908	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4237 278439	8833 529163	19010 1073638	52153	101871	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	4232 289799	9339 539703	20404 1088523	58201	107830	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	13151 815436	26861 1541179	63595 3071366	157924	302852	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 510334

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2019 14:46 Calibration End Date: 12/17/2019 17:35 Calibration ID: 38395

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	7439 515806	16168 968585	32453 2082470	90063	178901	10.0 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	5086 334444	12100 625711	24305 1256954	61953	125350	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 416925	15755 791137	34405 1580750	88447	159616	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3342 216002	7856 407355	16527 819550	40807	79307	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	6217 389091	11685 707436	27276 1456792	78073	139354	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3284 233514	8104 436596	16898 890143	44804	85063	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2193 140747	5280 264259	10415 539777	25406	51467	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 77600	2094 141345	5346 291420	14852	29279	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	3477 250118	8146 499906	18017 1037966	45452	91683	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2082 174292	5275 340551	12809 699486	33229	65460	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	4301 345963	10659 660643	25048 1376238	62352	127814	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	23207 1795258	58831 3387933	127755 6808312	336607	658741	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	8417 527790	19026 987337	38039 1981634	102151	200568	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	4232 326891	10212 634413	23080 1319091	58665	119494	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	4404 323261	10548 622355	22788 1296464	58832	116403	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	2188 166573	5278 327584	13442 647351	33790	62697	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	2770 225492	7331 424105	16113 854965	42236	85173	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	5191 345377	12093 672092	26473 1356951	68131	132167	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	17636 1306180	42423 2500920	87702 4981850	236070	480957	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	2160 204472	5777 403358	13479 872396	34080	71885	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	3005 215170	6674 417149	15257 849644	40368	79426	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 510334

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2019 14:46 Calibration End Date: 12/17/2019 17:35 Calibration ID: 38395

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	8039 609828	21269 1162153	46970 2305401	118093	227682	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	14992 987000	33649 1863816	71709 3713313	192875	375375	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	2340 206355	6584 407783	13871 850474	38318	74097	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	5844 407019	13308 764872	29250 1518715	80125	151177	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	5638 397257	13133 743392	27538 1502607	76016	147171	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	9414 659141	21998 1261964	46317 2544024	125610	240670	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	+++++ 127462	3333 266164	7973 582925	21462	42728	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	14887 1009049	33280 1908529	72933 3781528	197543	378298	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	3980 255719	8550 484428	18315 976030	48139	95510	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	4281 294984	9656 578511	21792 1194601	55397	110966	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	17384 1200804	39512 2246049	86634 4482784	234620	439652	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	1324 100927	3815 191319	7662 394263	20592	37962	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1169 101693	2883 203027	6307 422828	18954	35404	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	3505 253233	8642 473635	18265 944111	47907	93392	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	12549 873657	28959 1638019	63923 3339441	168846	321599	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	11788 737746	26705 1395084	54053 2790013	136572	270179	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	2538 192565	6818 362439	12854 737848	38152	70304	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	11370 894695	28940 1692687	60930 3380460	171949	336767	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	15367 1123965	35944 2103906	79558 4170168	217743	410782	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	14218 1017105	31874 1913335	70840 3844772	195370	374881	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	6781 500807	16923 940077	37883 1890273	97794	184507	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1 Analy Batch No.: 510334

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2019 14:46 Calibration End Date: 12/17/2019 17:35 Calibration ID: 38395

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	7261 501269	18176 963313	37429 1914094	99025	191598	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	12113 878775	27516 1642832	60349 3256059	166690	318858	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	7313 495123	17535 945280	35312 1917044	96616	185939	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 60584	1871 120816	4044 258426	10643	23217	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	5418 373161	12357 719743	28366 1448613	71973	137988	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	2473 169130	5817 327075	11476 662913	32414	62041	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	16886 1167107	37273 2211790	82177 4526248	221170	428522	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	5184 379461	13720 720521	26822 1451733	72342	139714	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	197283 200370	197589 203876	196148 207522	196140	197665	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	252487 258725	257558 257505	256586 270390	258756	257100	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	779756 789760	773704 779857	774607 787462	792108	782137	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	234740 235174	232193 237430	234774 239444	231228	238382	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Dec-2019 14:46:30 ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 0.4
Misc. Info.: 480-0086996-006
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2019 16:08:47 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: farrellr Date: 18-Dec-2019 08:33:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.791	4.791	0.000	98	160064	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	87	586321	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.957	8.957	0.000	96	326388	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.336	4.335	0.001	93	197283	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.574	4.584	-0.010	0	252487	25.0	24.5	
$ 6 Toluene-d8 (Surr)	98	5.963	5.973	-0.011	94	779756	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	234740	25.0	25.1	
11 Dichlorodifluoromethane	85	1.206	1.206	0.000	95	4287	0.4000	0.4301	
13 Chloromethane	50	1.361	1.372	-0.011	96	5711	0.4000	0.4034	M
151 Butadiene	54	1.434	1.434	0.000	73	4191	0.4000	0.3704	M
14 Vinyl chloride	62	1.444	1.455	-0.011	94	5144	0.4000	0.4343	
15 Bromomethane	94	1.703	1.714	-0.011	82	3023	0.4000	0.4521	M
16 Chloroethane	64	1.765	1.776	-0.011	87	4988	0.4000	0.7404	M
17 Trichlorofluoromethane	101	1.993	1.993	0.000	67	5004	0.4000	0.4010	
18 Dichlorofluoromethane	67	1.993	1.993	0.000	93	6675	0.4000	0.4347	M
19 Ethyl ether	59	2.232	2.242	-0.010	85	4125	0.4000	0.4527	
21 Acrolein	56	2.418	2.418	0.000	74	4564	2.00	1.97	M
22 1,1-Dichloroethene	96	2.429	2.449	-0.020	94	3704	0.4000	0.4839	
20 1,1,2-Trichloro-1,2,2-trif	101	2.439	2.449	-0.010	63	2978	0.4000	0.4066	
23 Acetone	43	2.574	2.563	0.011	98	6380	2.00	1.50	M
24 Iodomethane	142	2.595	2.605	-0.011	97	5278	0.4000	0.3804	
25 Carbon disulfide	76	2.626	2.636	-0.010	98	10326	0.4000	0.4060	
27 3-Chloro-1-propene	41	2.781	2.781	0.000	92	6401	0.4000	0.4131	
28 Methyl acetate	43	2.833	2.822	0.011	97	9689	0.8000	0.9582	a
30 Methylene Chloride	84	2.916	2.916	0.000	98	14043	0.4000	0.0893	
31 2-Methyl-2-propanol	59	3.092	3.082	0.010	56	6965	4.00	3.75	
33 Methyl tert-butyl ether	73	3.102	3.102	0.000	87	8723	0.4000	0.3486	
32 trans-1,2-Dichloroethene	96	3.113	3.113	0.000	94	3438	0.4000	0.4178	
34 Acrylonitrile	53	3.175	3.175	0.000	95	17851	4.00	3.61	
35 Hexane	57	3.268	3.278	-0.010	93	9025	0.4000	0.5968	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.475	3.475	0.000	94	5524	0.4000	0.3658	
39 Vinyl acetate	43	3.517	3.517	0.000	98	16368	0.8000	0.7348	
42 2,2-Dichloropropane	77	3.921	3.921	0.000	88	5162	0.4000	0.4420	
43 cis-1,2-Dichloroethene	96	3.952	3.952	0.000	82	3387	0.4000	0.3846	
44 2-Butanone (MEK)	43	3.983	3.973	0.010	98	11717	2.00	1.84	
47 Chlorobromomethane	128	4.139	4.139	0.000	94	2060	0.4000	0.4254	
48 Tetrahydrofuran	42	4.159	4.149	0.010	83	7503	0.8000	1.51	
50 Chloroform	83	4.201	4.201	0.000	91	6426	0.4000	0.4511	
51 1,1,1-Trichloroethane	97	4.294	4.294	0.000	84	4909	0.4000	0.4137	
52 Cyclohexane	56	4.294	4.304	-0.010	91	7536	0.4000	0.4369	
53 Carbon tetrachloride	117	4.408	4.408	0.000	79	4237	0.4000	0.4147	
54 1,1-Dichloropropene	75	4.418	4.418	0.000	89	4232	0.4000	0.3958	
55 Benzene	78	4.584	4.584	0.000	42	13151	0.4000	0.4264	
56 Isobutyl alcohol	43	4.605	4.595	0.010	56	7439	10.0	10.1	
57 1,2-Dichloroethane	62	4.636	4.636	0.000	93	5086	0.4000	0.4067	
59 n-Heptane	43	4.719	4.719	0.000	91	11381	0.4000	0.6958	
60 Trichloroethene	95	5.061	5.061	0.000	95	3342	0.4000	0.4091	
62 Methylcyclohexane	83	5.165	5.154	0.011	87	6217	0.4000	0.4351	
63 1,2-Dichloropropane	63	5.258	5.258	0.000	88	3284	0.4000	0.3808	
65 Dibromomethane	93	5.361	5.361	0.000	93	2193	0.4000	0.4139	
66 1,4-Dioxane	88	5.372	5.361	0.011	0	583	8.00	4.21	M
67 Dichlorobromomethane	83	5.475	5.486	-0.011	91	3477	0.4000	0.3746	
69 2-Chloroethyl vinyl ether	63	5.693	5.693	0.000	81	2082	0.4000	0.3286	a
71 cis-1,3-Dichloropropene	75	5.797	5.797	0.000	88	4301	0.4000	0.3452	
72 4-Methyl-2-pentanone (MIBK	43	5.911	5.911	0.000	97	23207	2.00	1.79	
73 Toluene	92	6.025	6.014	0.011	98	8417	0.4000	0.4226	
75 trans-1,3-Dichloropropene	75	6.232	6.232	0.000	88	4232	0.4000	0.3588	
77 Ethyl methacrylate	69	6.263	6.253	0.010	87	4404	0.4000	0.3744	
78 1,1,2-Trichloroethane	83	6.377	6.377	0.000	0	2188	0.4000	0.3510	M
79 Tetrachloroethene	166	6.418	6.418	0.000	90	2770	0.4000	0.3413	
80 1,3-Dichloropropane	76	6.501	6.501	0.000	89	5191	0.4000	0.3942	a
81 2-Hexanone	43	6.543	6.543	0.000	96	17636	2.00	1.88	
82 Chlorodibromomethane	129	6.678	6.678	0.000	87	2160	0.4000	0.3059	a
83 Ethylene Dibromide	107	6.760	6.760	0.000	96	3005	0.4000	0.3823	a
86 Chlorobenzene	112	7.113	7.113	0.000	91	8039	0.4000	0.3556	a
88 Ethylbenzene	91	7.175	7.175	0.000	99	14992	0.4000	0.4062	
89 1,1,1,2-Tetrachloroethane	131	7.185	7.185	0.000	85	2340	0.4000	0.3174	
90 m-Xylene & p-Xylene	106	7.268	7.268	0.000	0	5844	0.4000	0.3904	
91 o-Xylene	106	7.579	7.589	-0.010	96	5638	0.4000	0.3888	
92 Styrene	104	7.610	7.610	0.000	96	9414	0.4000	0.3887	
93 Bromoform	173	7.797	7.797	0.000	92	1079	0.4000	0.2370	Ma
95 Isopropylbenzene	105	7.869	7.869	0.000	95	14887	0.4000	0.4003	
97 Bromobenzene	156	8.149	8.149	0.000	88	3980	0.4000	0.4206	
98 1,1,2,2-Tetrachloroethane	83	8.180	8.180	0.000	91	4281	0.4000	0.3900	a
99 N-Propylbenzene	91	8.201	8.201	0.000	98	17384	0.4000	0.3960	
100 1,2,3-Trichloropropane	110	8.211	8.211	0.000	0	1324	0.4000	0.3490	M
101 trans-1,4-Dichloro-2-buten	53	8.222	8.211	0.011	67	1169	0.4000	0.3301	
105 2-Chlorotoluene	126	8.284	8.284	0.000	96	3505	0.4000	0.3804	a
104 1,3,5-Trimethylbenzene	105	8.336	8.336	0.000	93	12549	0.4000	0.3913	
102 4-Chlorotoluene	91	8.377	8.377	0.000	94	11788	0.4000	0.4277	a
106 tert-Butylbenzene	134	8.605	8.595	0.010	93	2538	0.4000	0.3628	
107 1,2,4-Trimethylbenzene	105	8.647	8.647	0.001	96	11370	0.4000	0.3546	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.771	8.771	0.000	93	15367	0.4000	0.3794	
111 4-Isopropyltoluene	119	8.895	8.895	0.000	98	14218	0.4000	0.3874	
110 1,3-Dichlorobenzene	146	8.906	8.906	0.000	98	6781	0.4000	0.3691	
113 1,4-Dichlorobenzene	146	8.978	8.978	0.000	91	7261	0.4000	0.3850	
115 n-Butylbenzene	91	9.227	9.227	0.000	94	12113	0.4000	0.3860	a
116 1,2-Dichlorobenzene	146	9.289	9.289	0.000	91	7313	0.4000	0.3961	
117 1,2-Dibromo-3-Chloropropan	75	9.963	9.963	0.000	3	430	0.4000	0.1933	Ma
119 1,2,4-Trichlorobenzene	180	10.605	10.605	0.000	91	5418	0.4000	0.3908	a
120 Hexachlorobutadiene	225	10.709	10.709	0.000	90	2473	0.4000	0.3971	a
121 Naphthalene	128	10.812	10.812	0.000	97	16886	0.4000	0.3971	a
122 1,2,3-Trichlorobenzene	180	11.009	11.009	0.000	95	5184	0.4000	0.3722	
S 126 Xylenes, Total	1				0			0.7793	
S 124 1,2-Dichloroethene, Total	1				0			0.8024	
S 125 Total BTEX	1				0			2.03	
S 123 1,3-Dichloropropene, Total	1				0			0.7040	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00175	Amount Added:	0.40	Units: uL	
GAS CORP mix_00375	Amount Added:	0.40	Units: uL	
T_8260_Surr_00203	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added:	1.00	Units: uL	Run Reagent

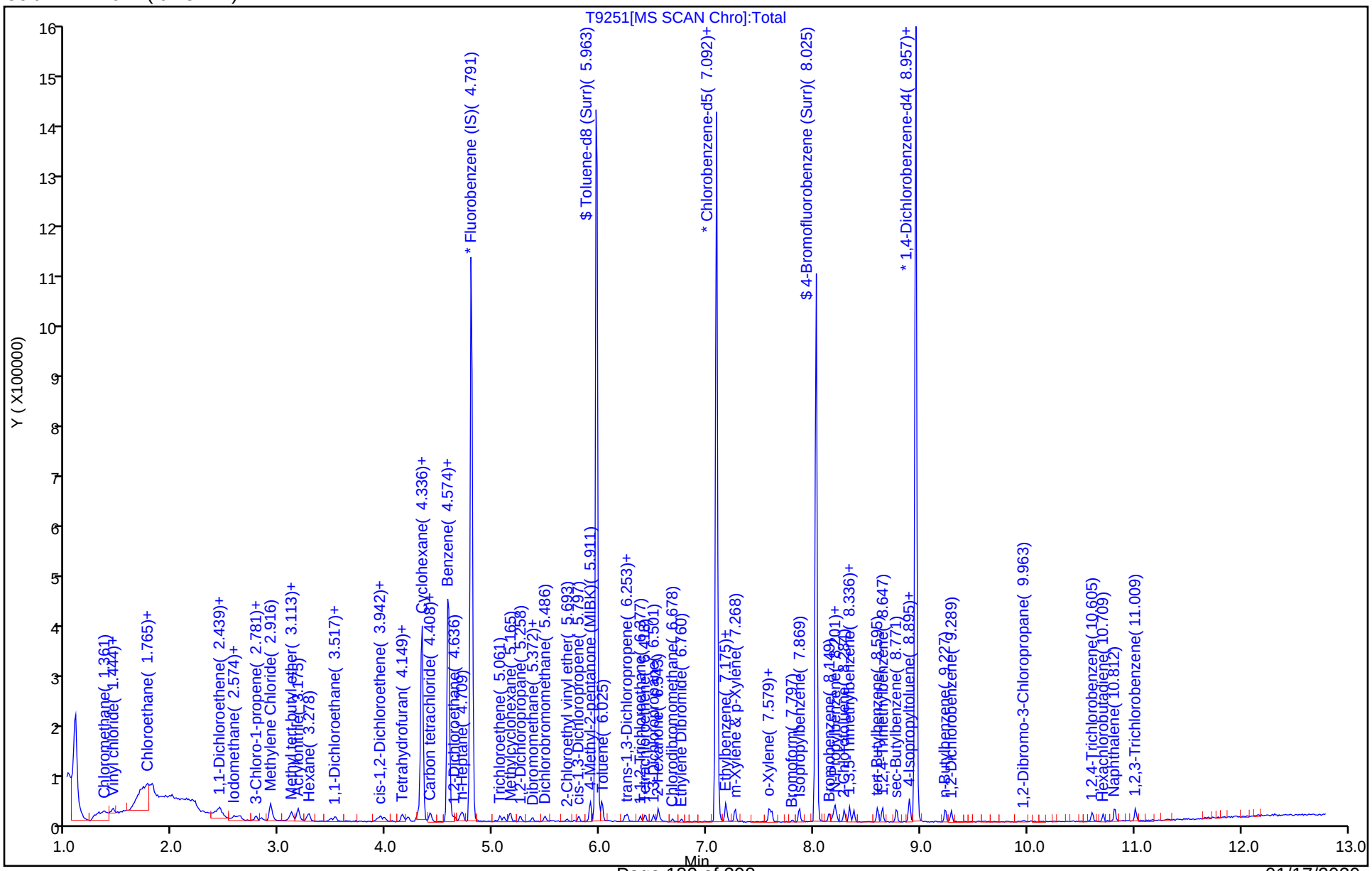
Report Date: 18-Dec-2019 16:08:50 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D

Injection Date:	17-Dec-2019 14:46:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC 0.4			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

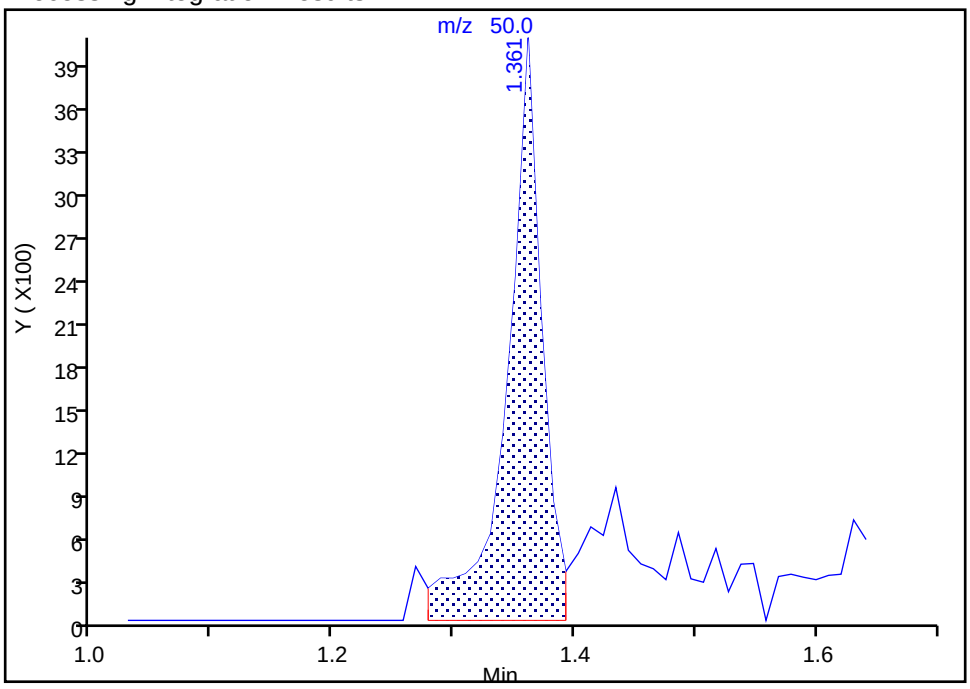
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

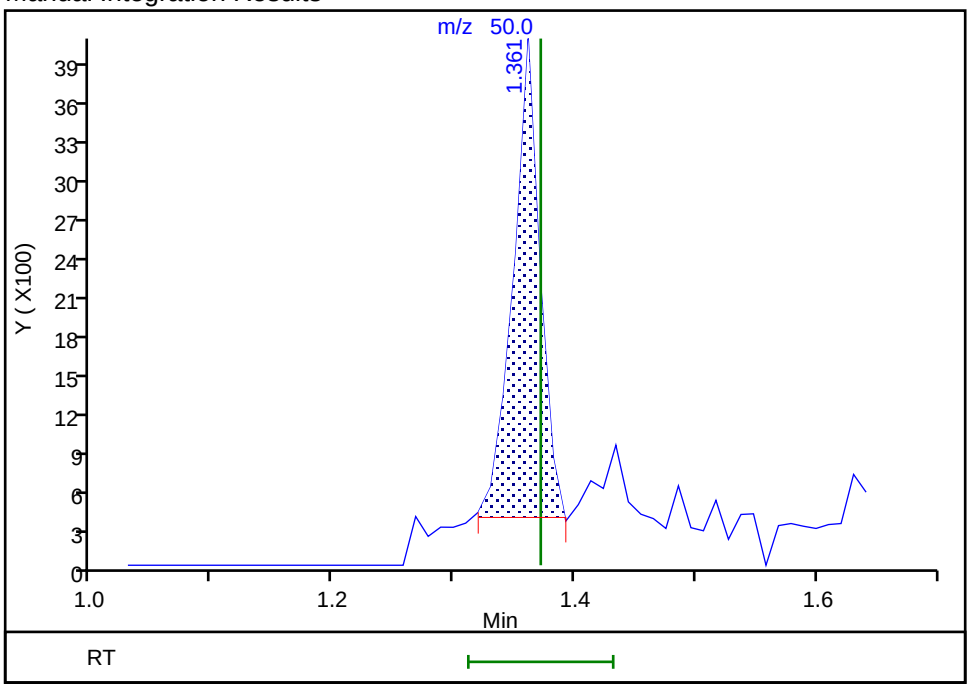
Processing Integration Results

RT: 1.36
Area: 8252
Amount: 0.399844
Amount Units: ug/L



Manual Integration Results

RT: 1.36
Area: 5711
Amount: 0.403371
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:31:13
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

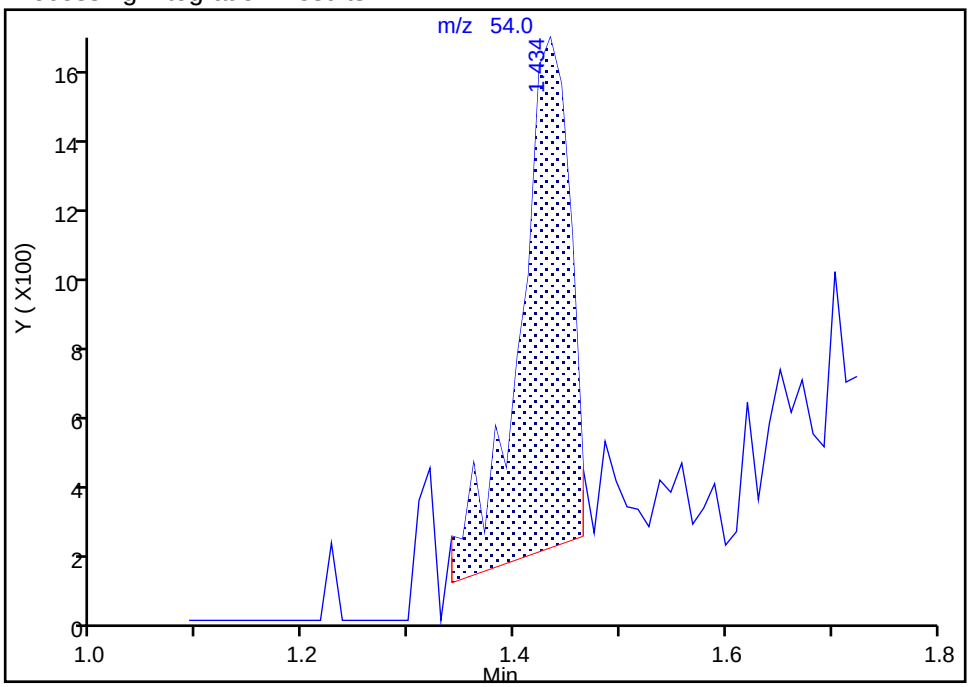
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

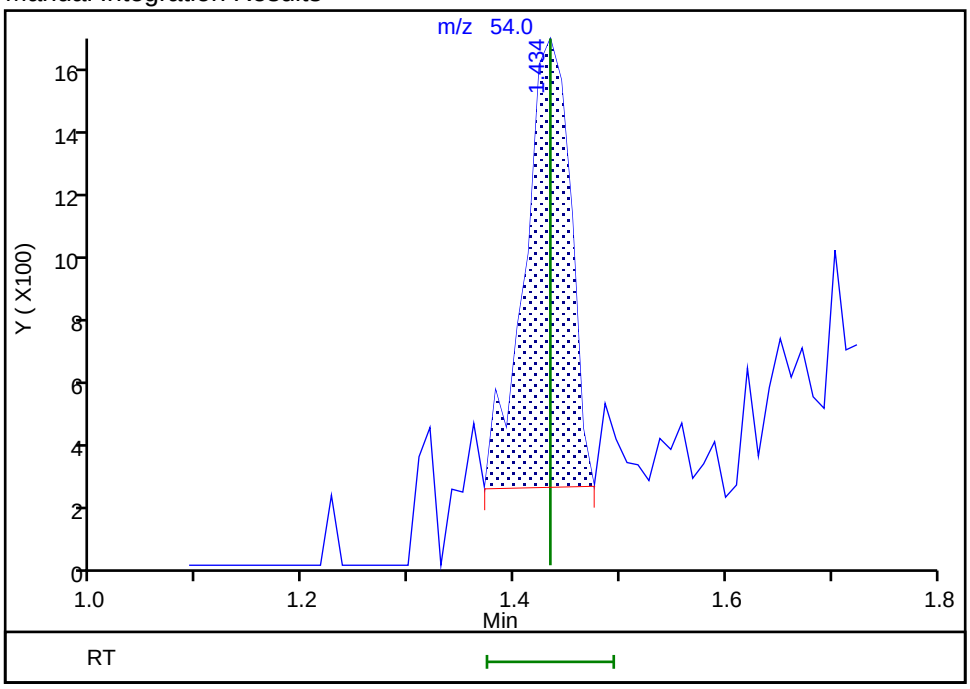
Processing Integration Results

RT: 1.43
Area: 4870
Amount: 0.397005
Amount Units: ug/L



Manual Integration Results

RT: 1.43
Area: 4191
Amount: 0.370445
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:31:23
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

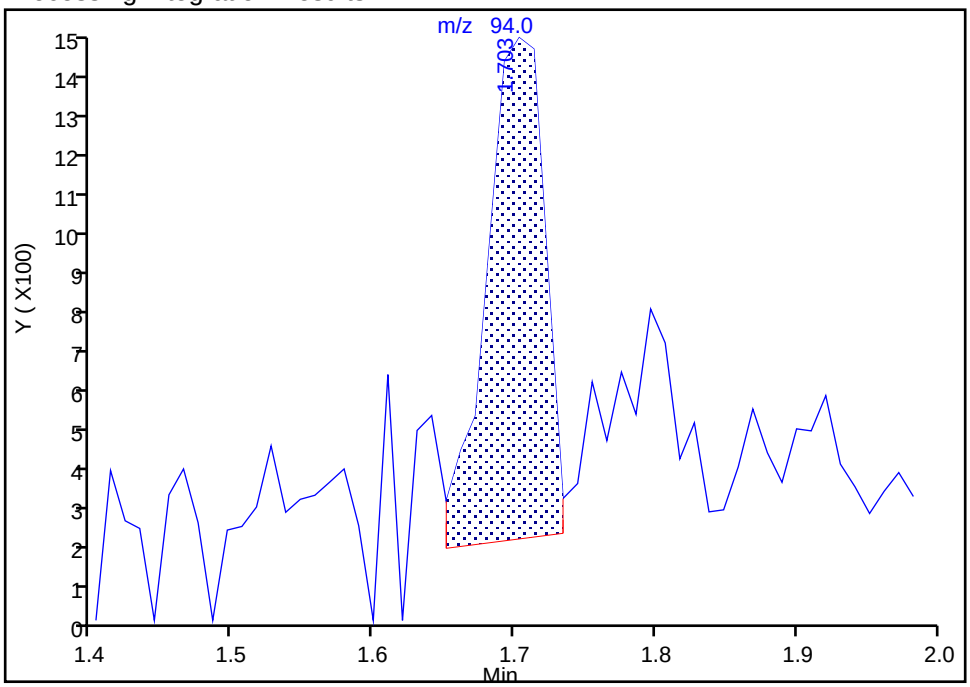
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

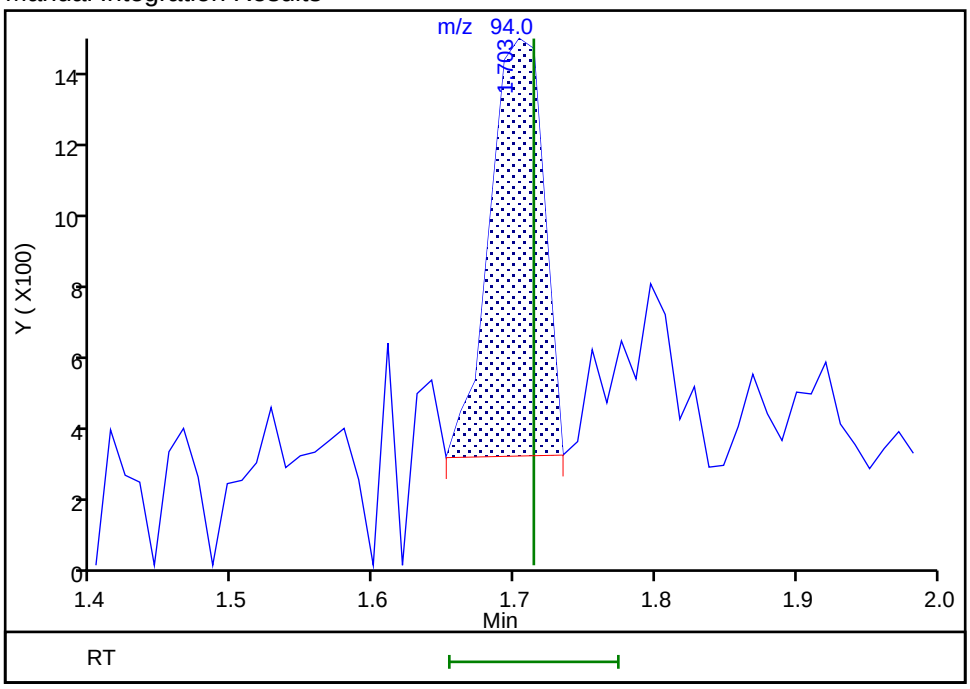
Processing Integration Results

RT: 1.70
Area: 3588
Amount: 0.308086
Amount Units: ug/L



Manual Integration Results

RT: 1.70
Area: 3023
Amount: 0.452097
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:31:33
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

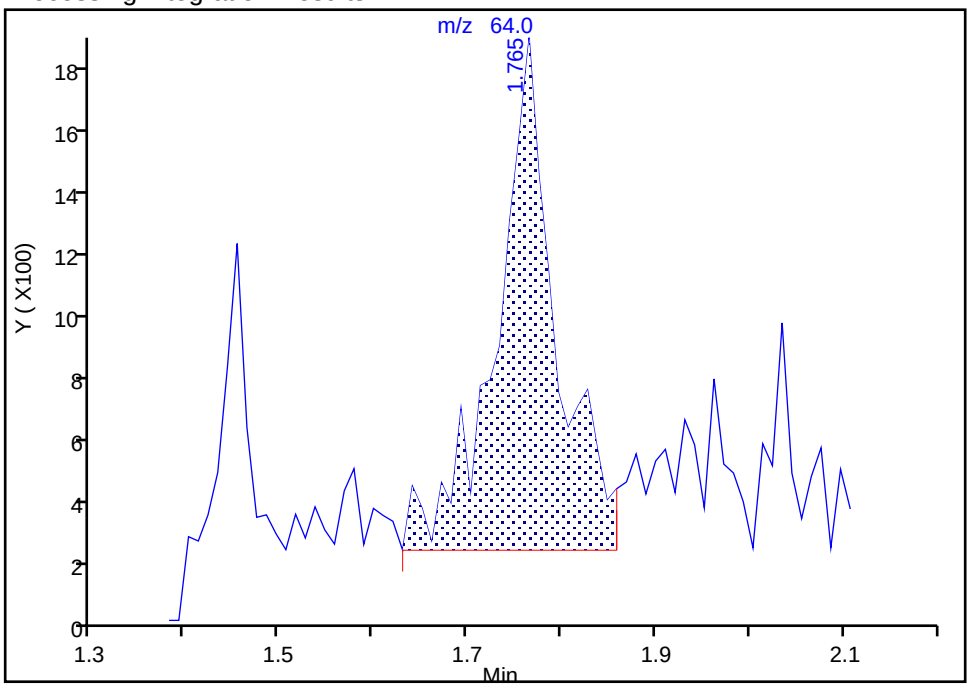
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

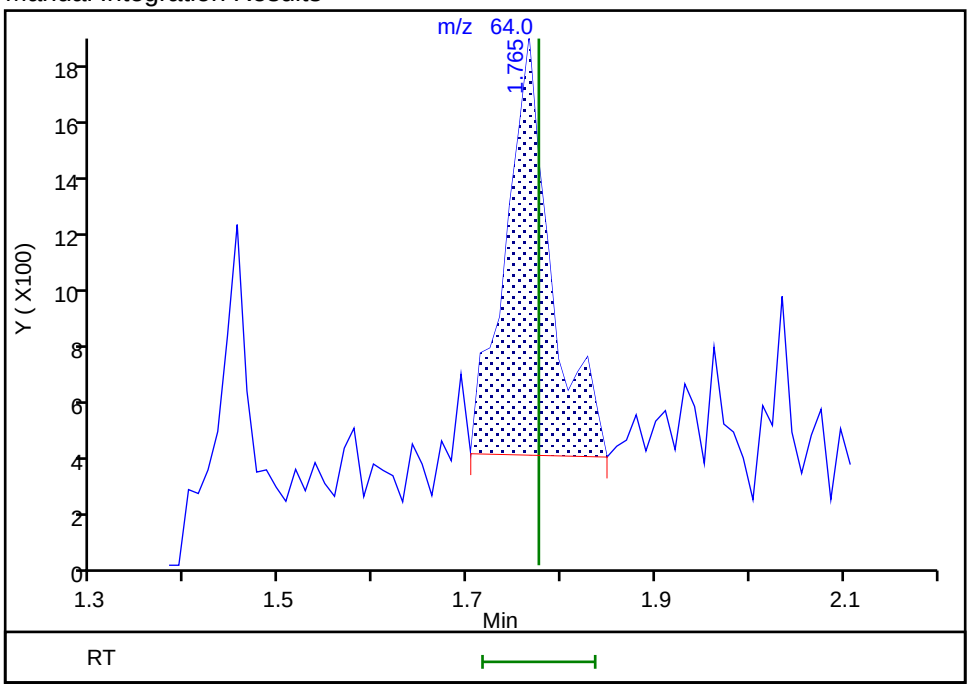
Processing Integration Results

RT: 1.77
Area: 7412
Amount: 0.850559
Amount Units: ug/L



Manual Integration Results

RT: 1.77
Area: 4988
Amount: 0.740443
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:32:09
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

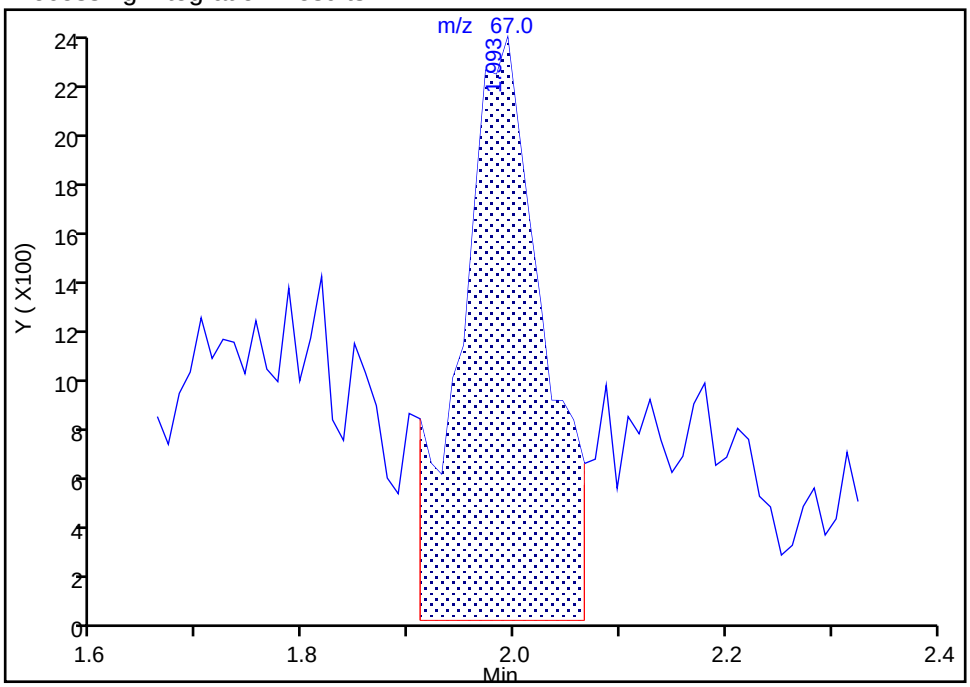
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

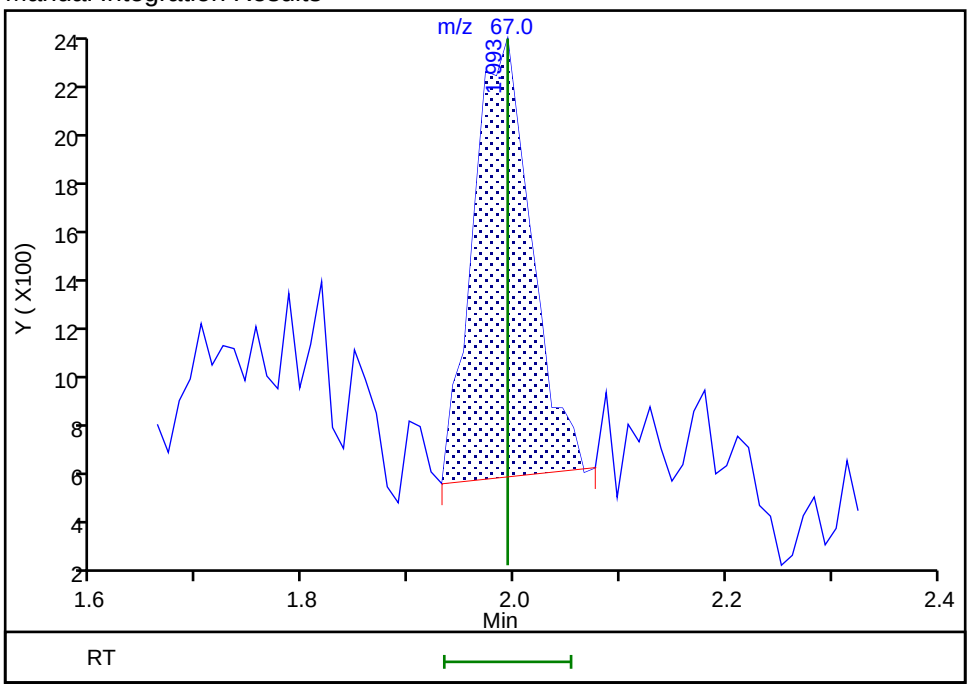
Processing Integration Results

RT: 1.99
Area: 13018
Amount: 0.378235
Amount Units: ug/L



Manual Integration Results

RT: 1.99
Area: 6675
Amount: 0.434748
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:28:06
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

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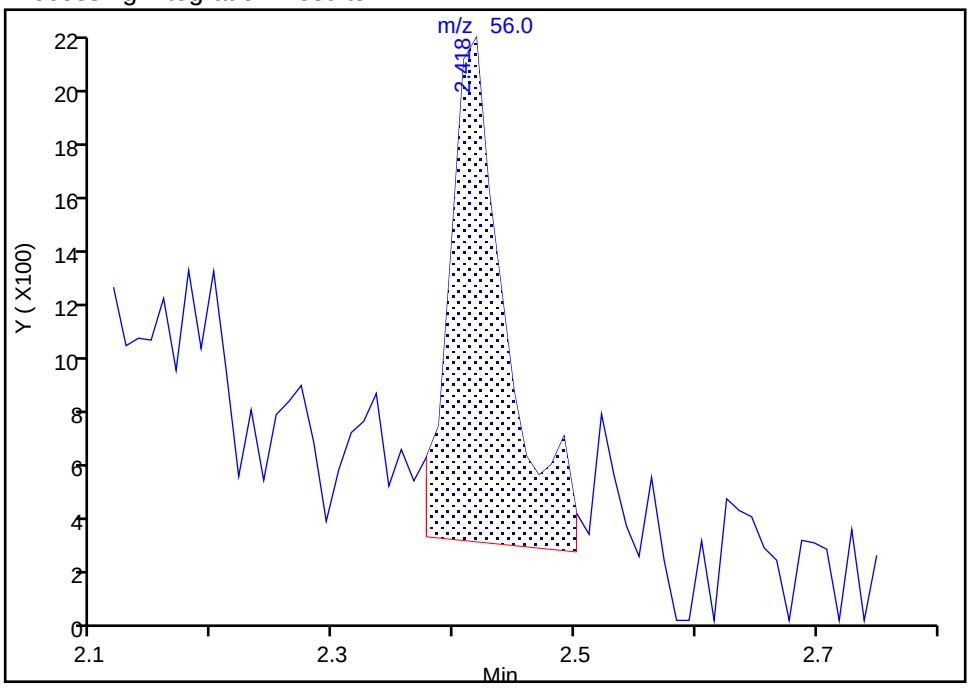
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

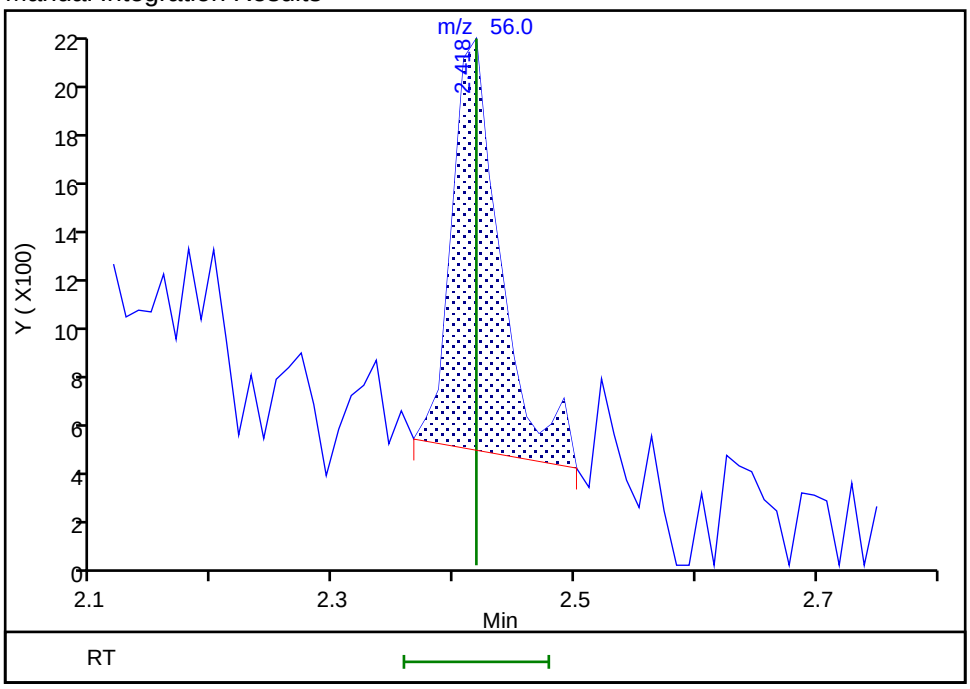
Processing Integration Results

RT: 2.42
Area: 5914
Amount: 2.458117
Amount Units: ug/L



Manual Integration Results

RT: 2.42
Area: 4564
Amount: 1.965943
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:32:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

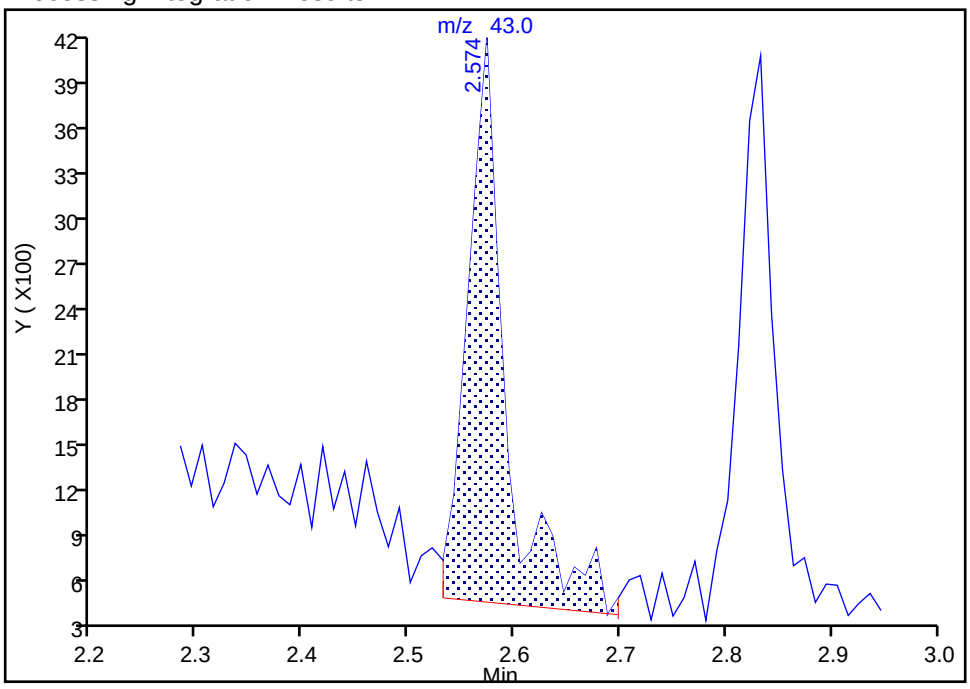
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

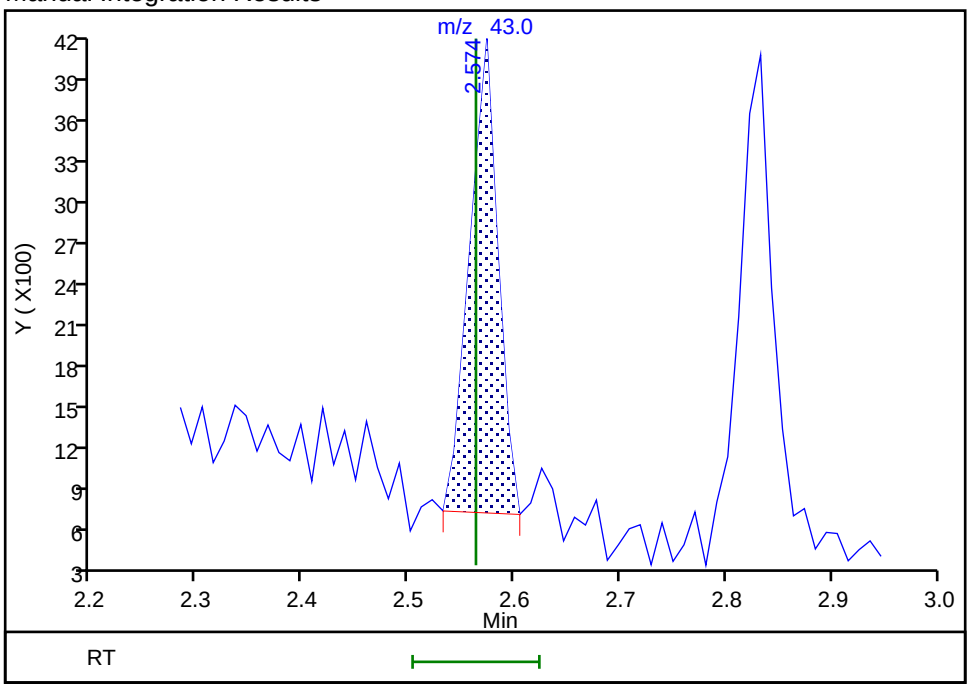
Processing Integration Results

RT: 2.57
Area: 9251
Amount: 2.090628
Amount Units: ug/L



Manual Integration Results

RT: 2.57
Area: 6380
Amount: 1.502750
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:32:54
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

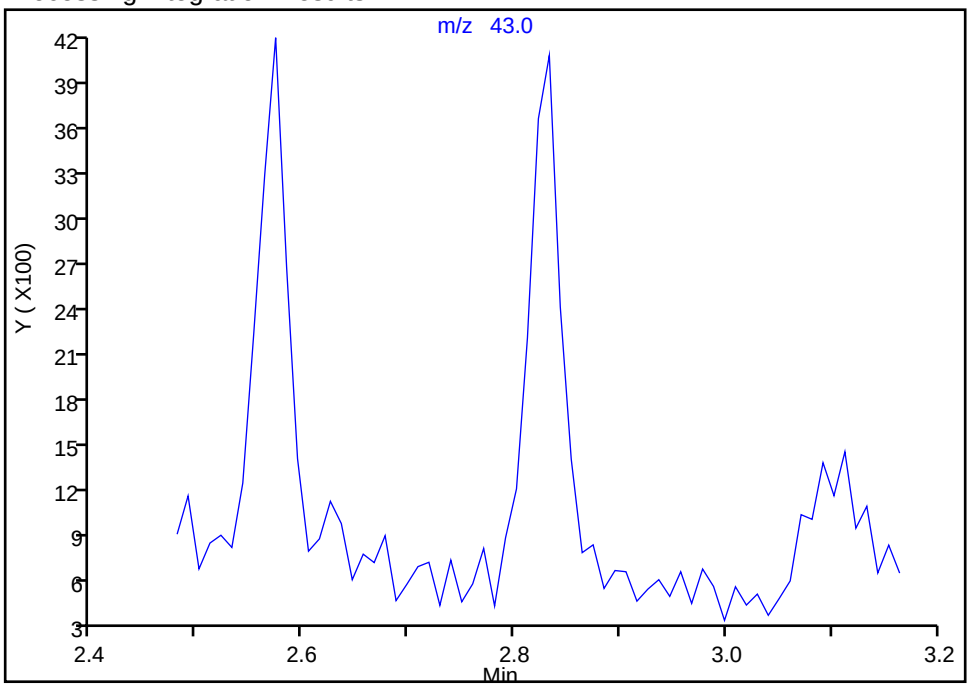
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

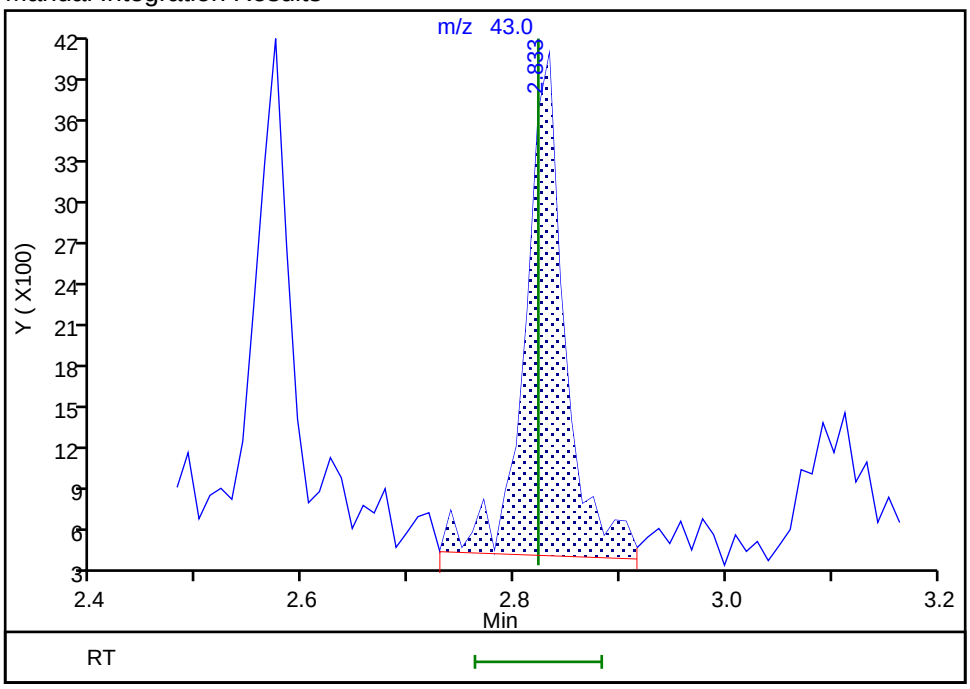
Not Detected
Expected RT: 2.82

Processing Integration Results



Manual Integration Results

RT: 2.83
Area: 9689
Amount: 0.958187
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:28:24
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

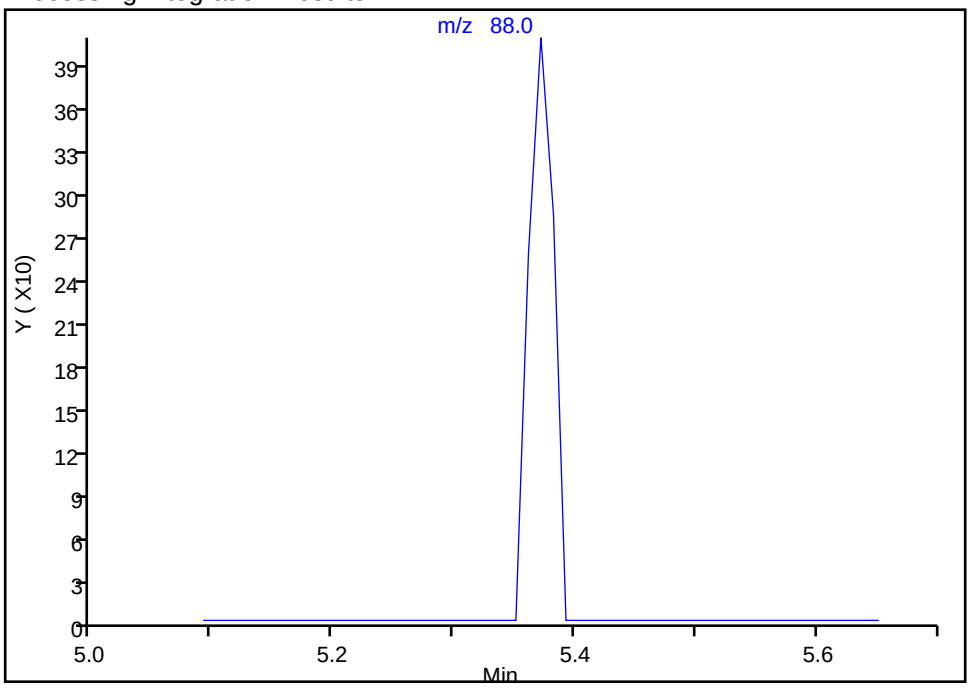
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

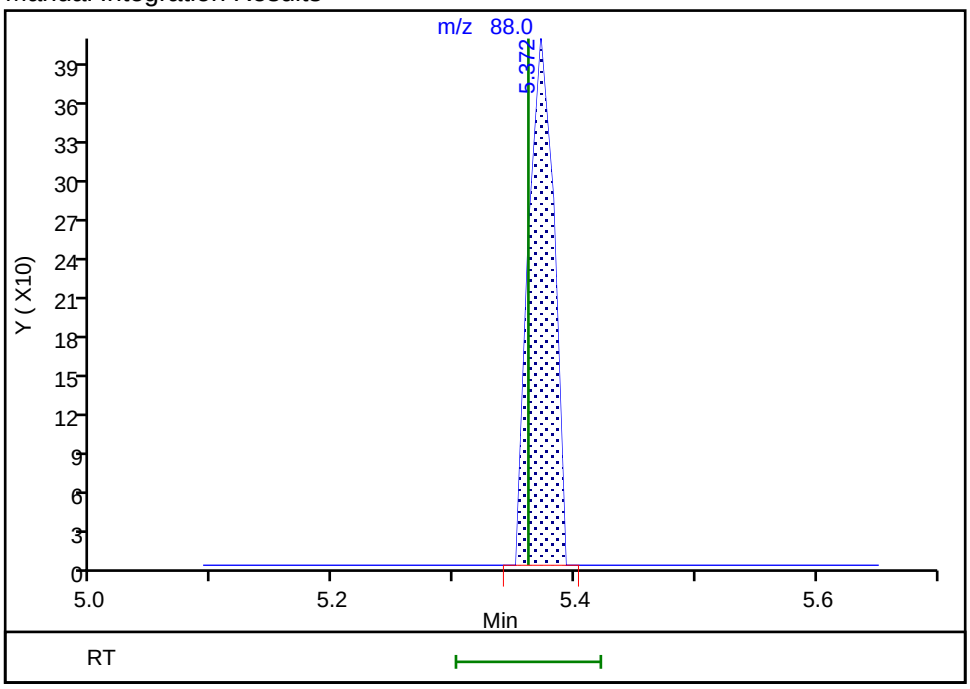
Not Detected
Expected RT: 5.36

Processing Integration Results



Manual Integration Results

RT: 5.37
Area: 583
Amount: 4.214357
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:28:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

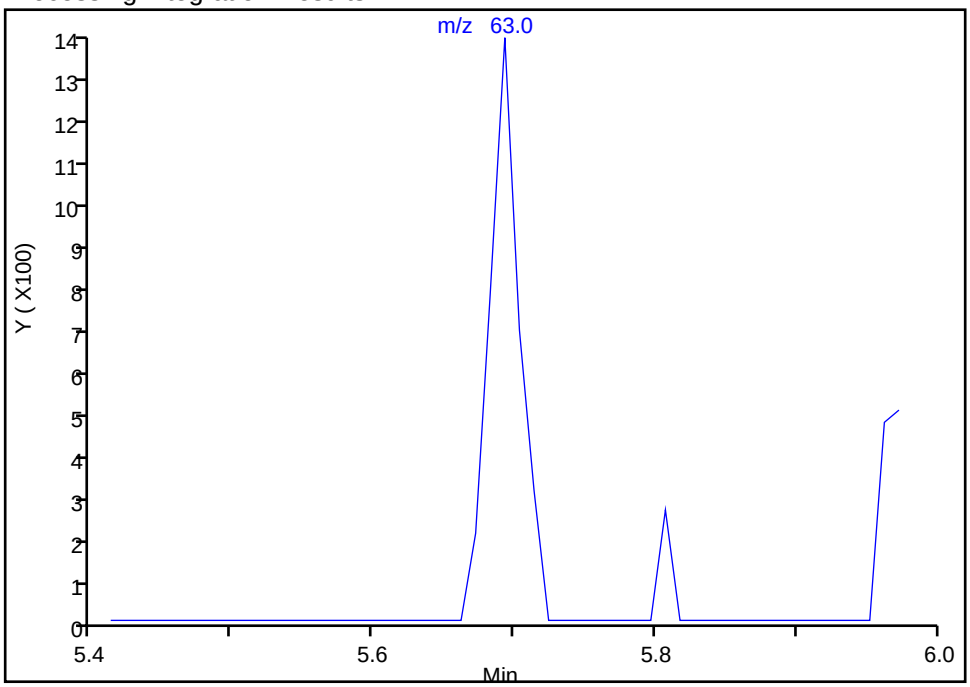
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

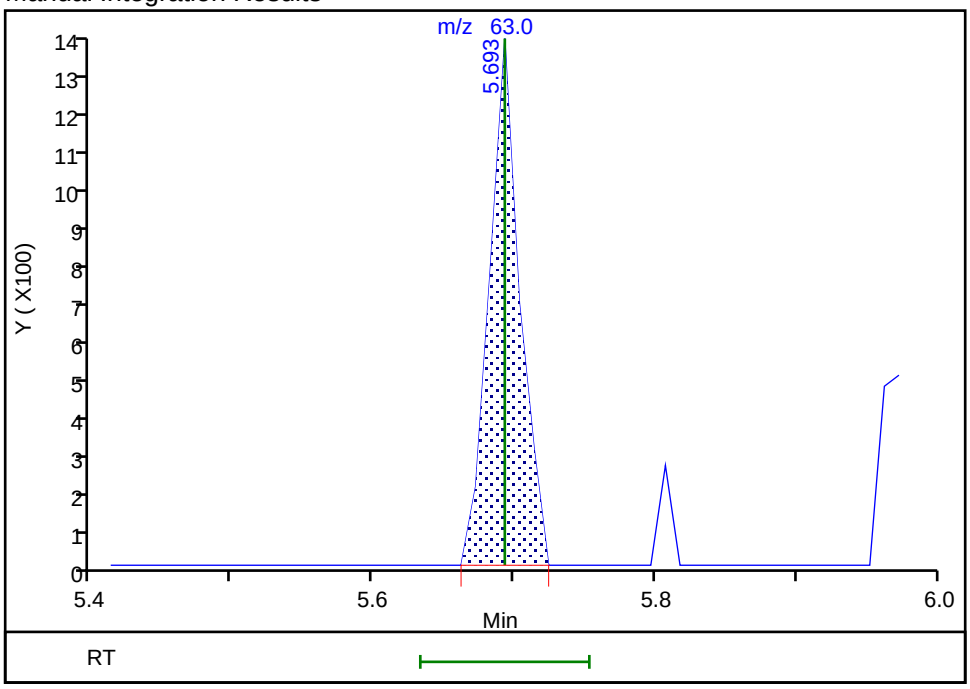
Not Detected
Expected RT: 5.69

Processing Integration Results



Manual Integration Results

RT: 5.69
Area: 2082
Amount: 0.328626
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:28:56
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

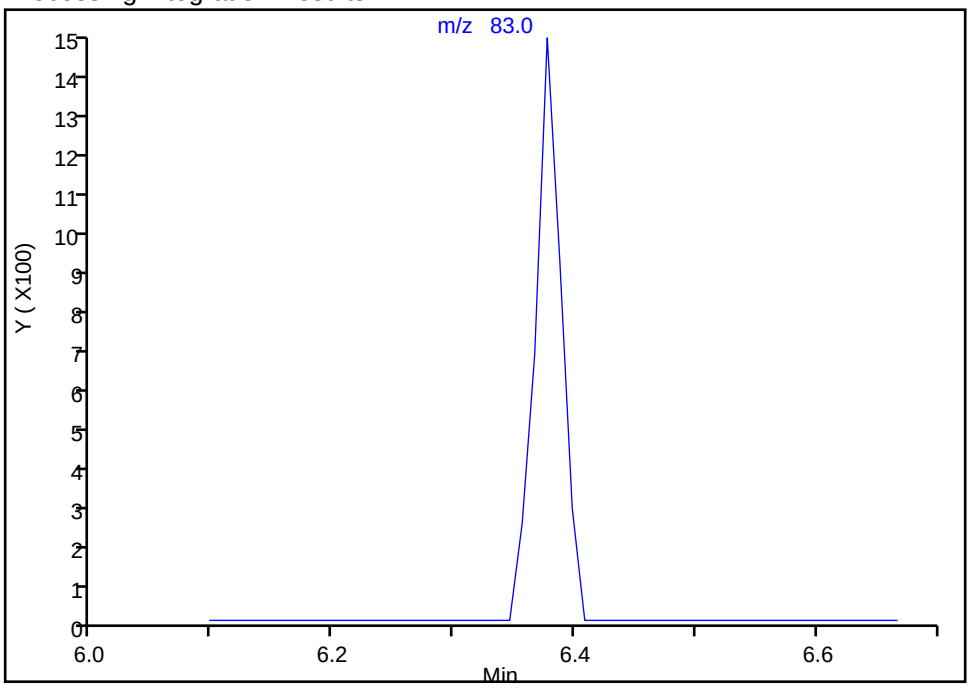
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

78 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

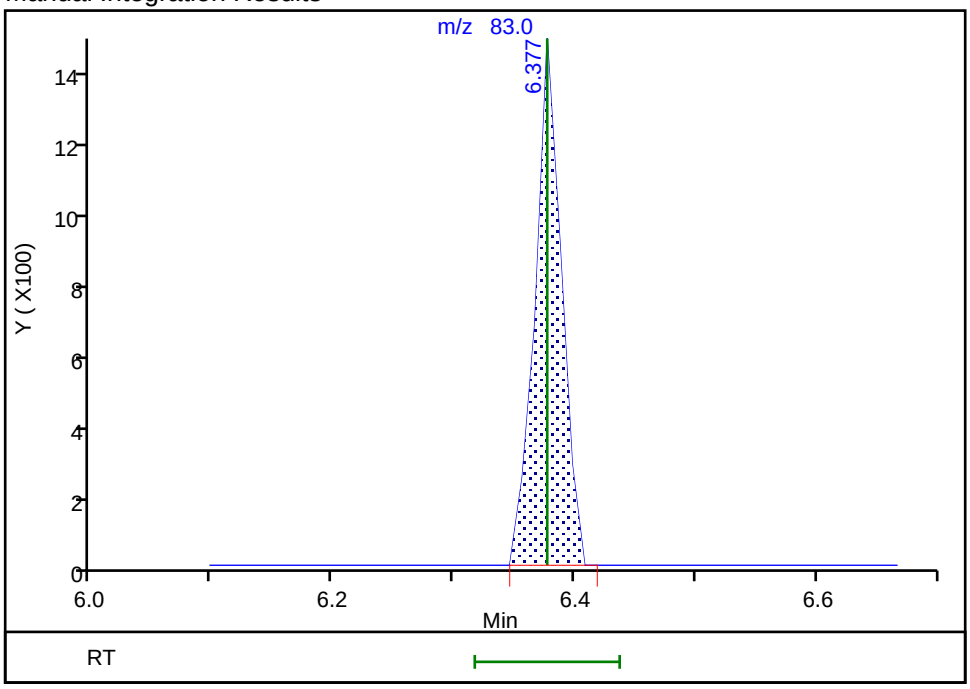
Not Detected
Expected RT: 6.38

Processing Integration Results



Manual Integration Results

RT: 6.38
Area: 2188
Amount: 0.350958
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:29:09
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

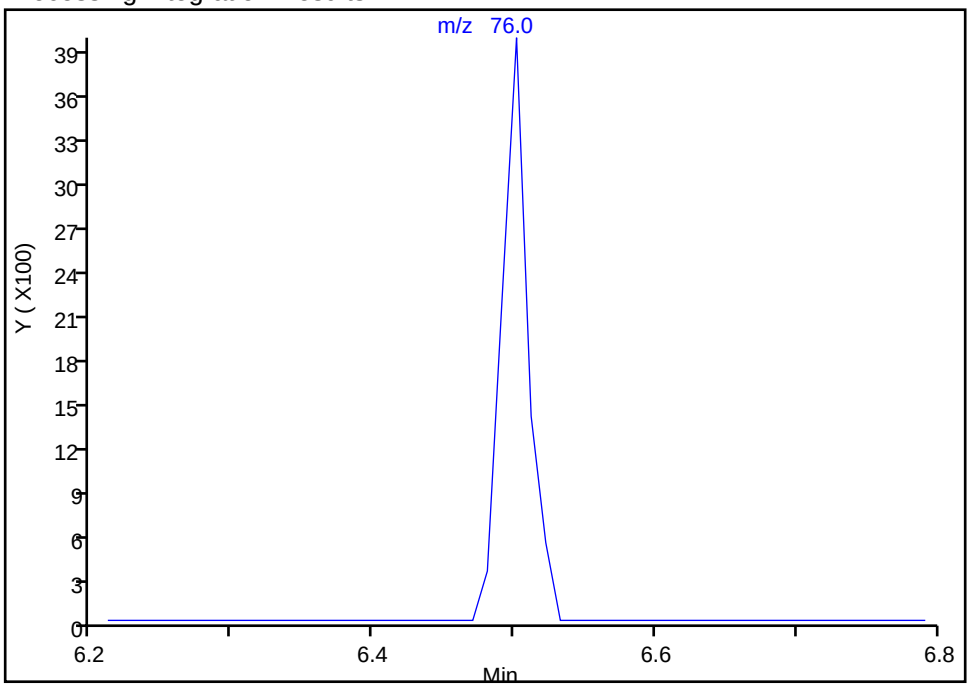
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

80 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

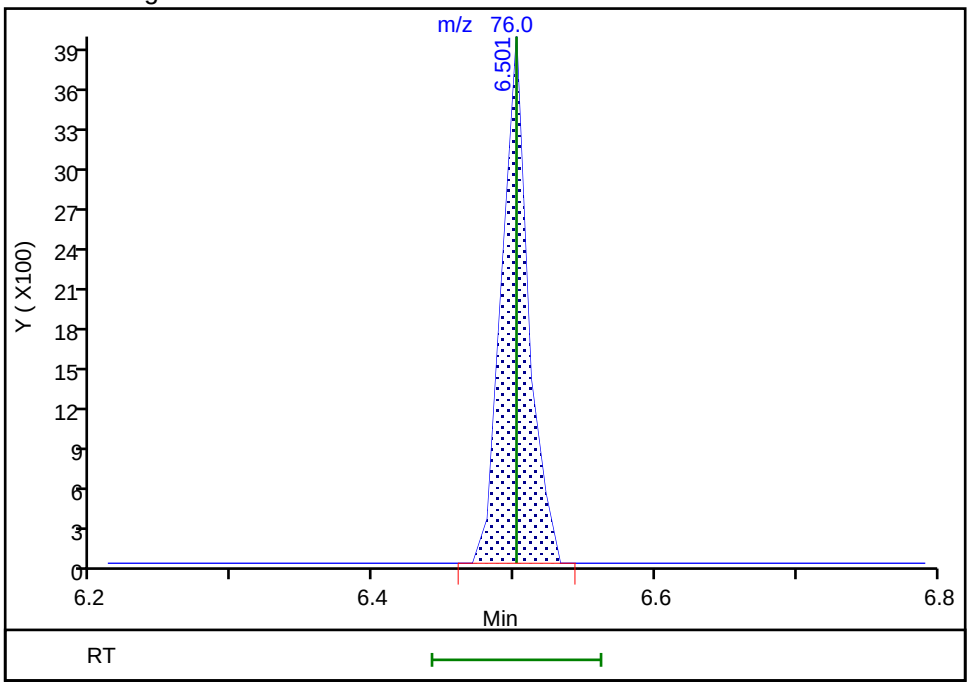
Not Detected
Expected RT: 6.50

Processing Integration Results



Manual Integration Results

RT: 6.50
Area: 5191
Amount: 0.394199
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:29:15
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

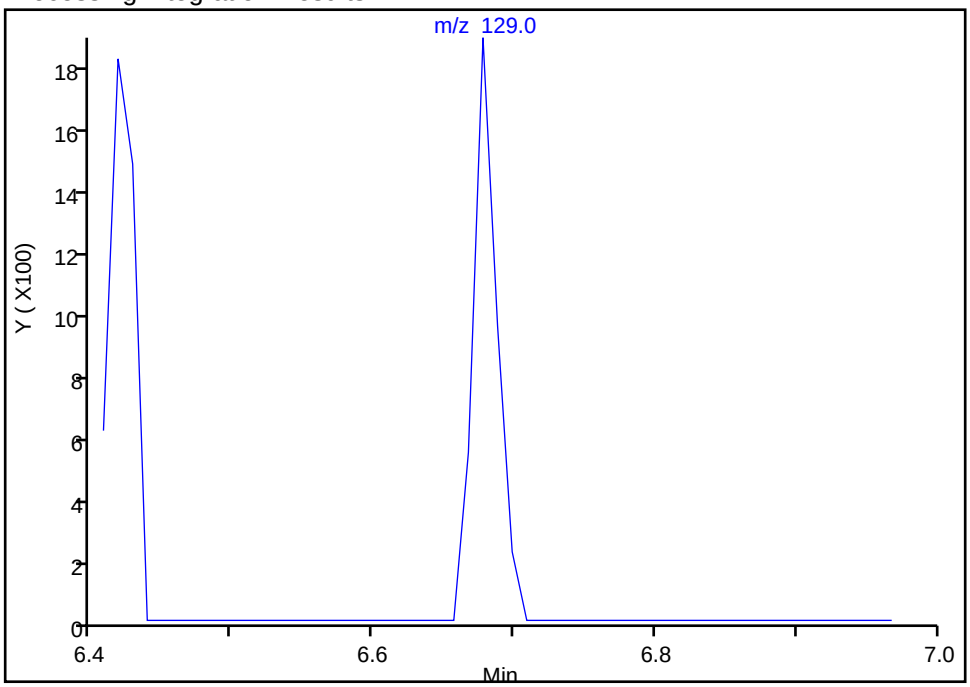
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

82 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

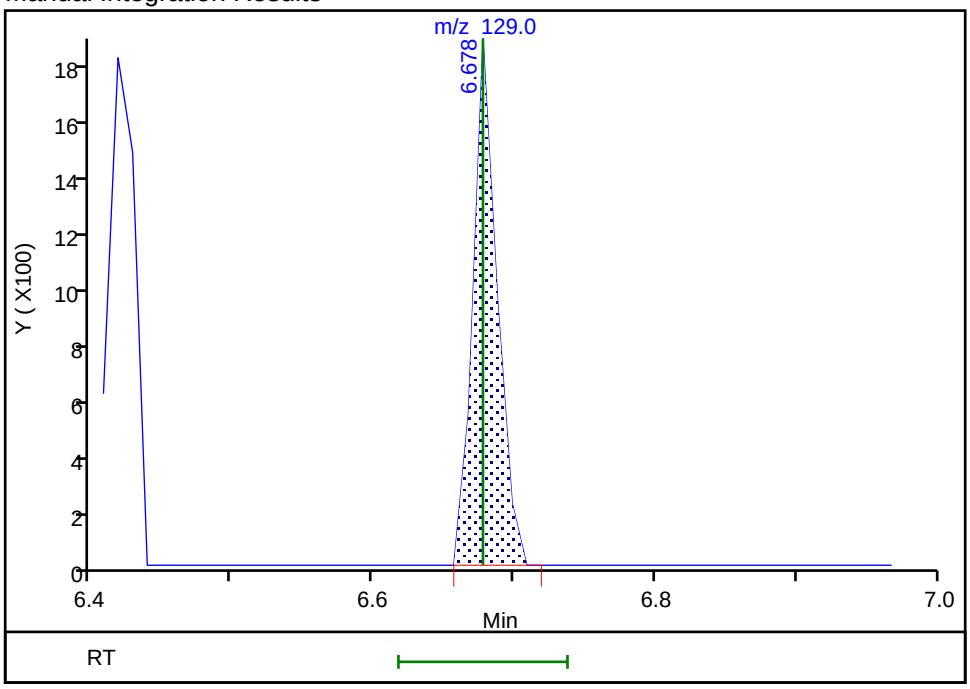
Not Detected
Expected RT: 6.68

Processing Integration Results



Manual Integration Results

RT: 6.68
Area: 2160
Amount: 0.305911
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:29:26
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

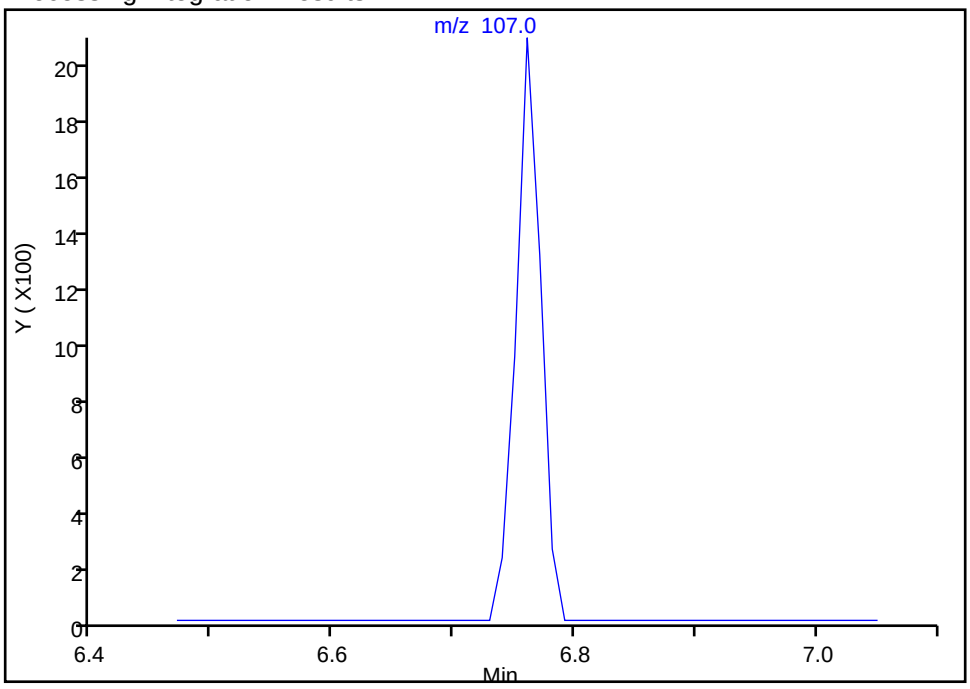
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

83 Ethylene Dibromide, CAS: 106-93-4

Signal: 1

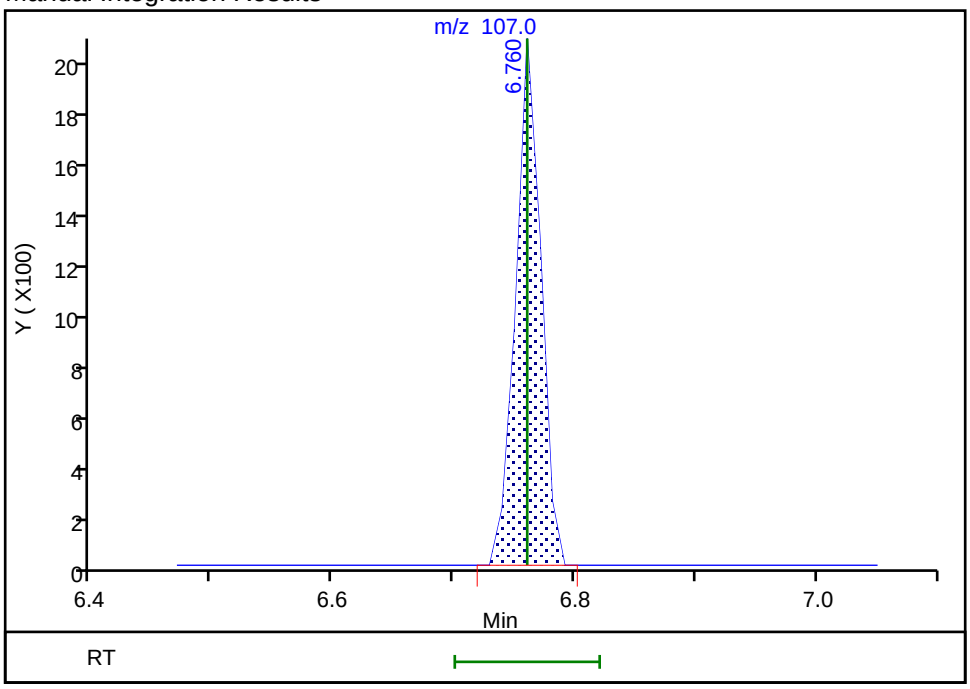
Not Detected
Expected RT: 6.76

Processing Integration Results



Manual Integration Results

RT: 6.76
Area: 3005
Amount: 0.382326
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:29:31
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

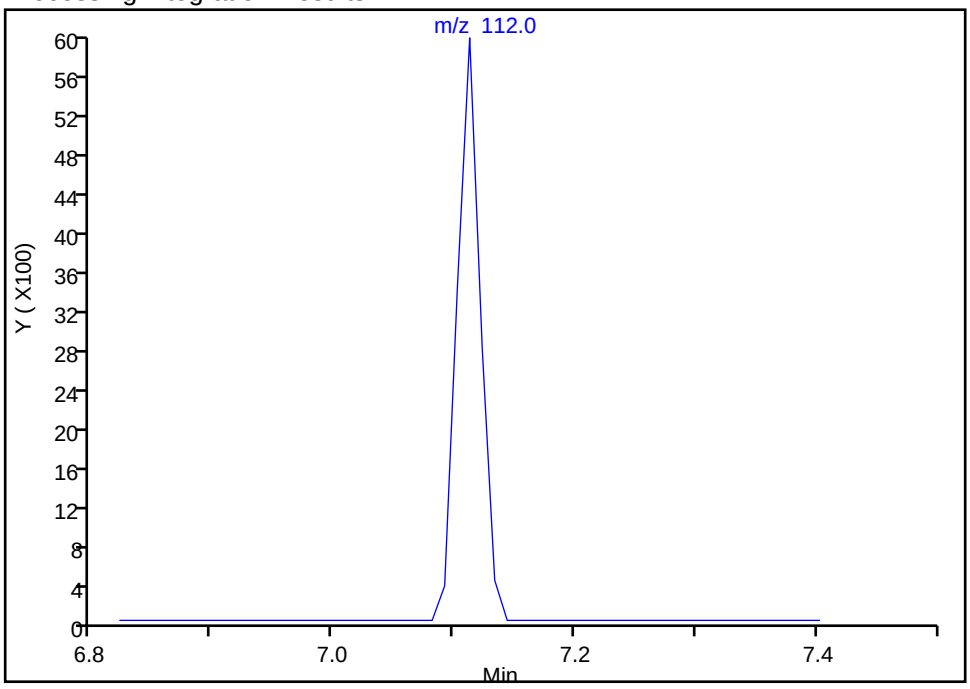
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

86 Chlorobenzene, CAS: 108-90-7

Signal: 1

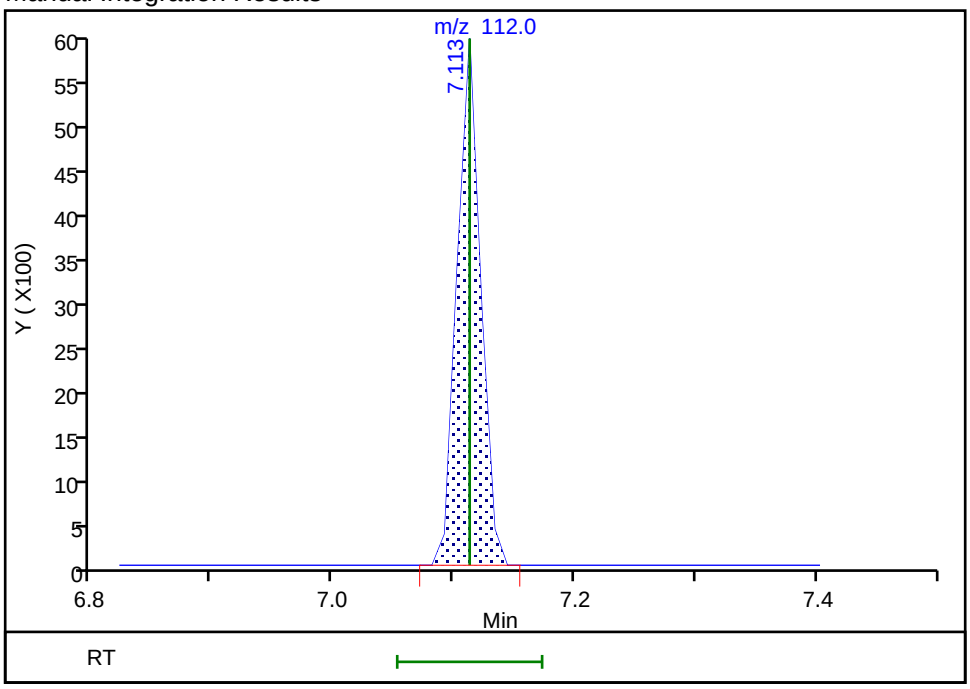
Not Detected
Expected RT: 7.11

Processing Integration Results



Manual Integration Results

RT: 7.11
Area: 8039
Amount: 0.355615
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:29:35
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

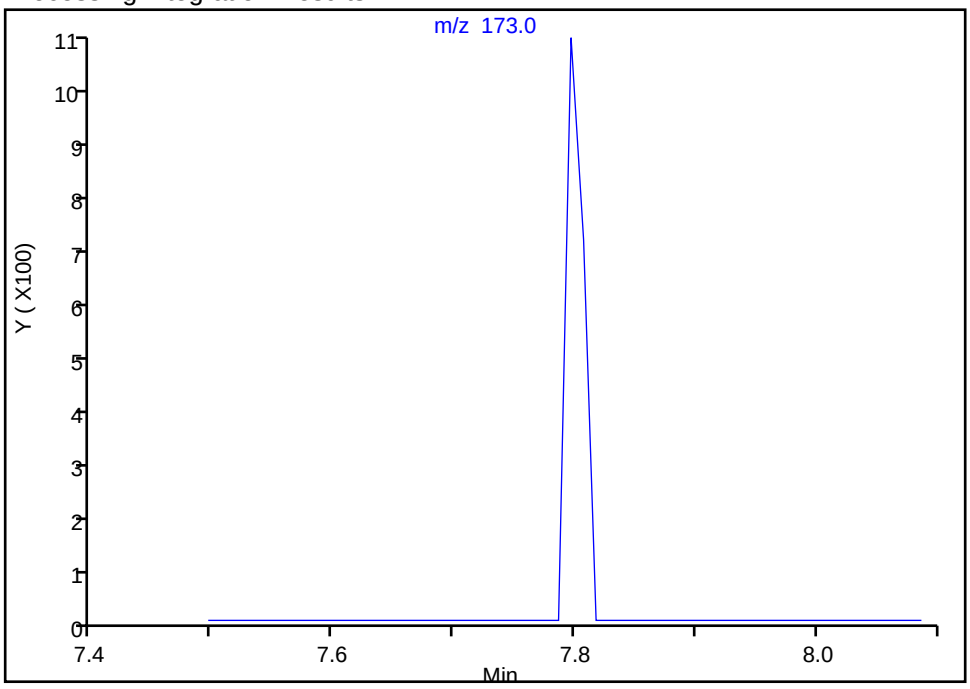
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

93 Bromoform, CAS: 75-25-2

Signal: 1

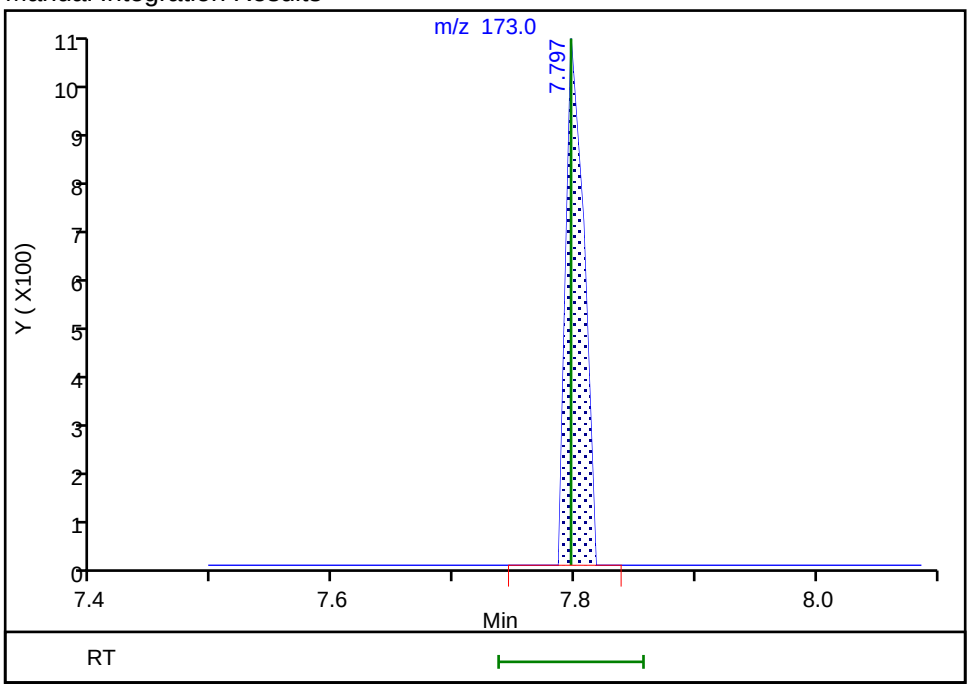
Not Detected
Expected RT: 7.80

Processing Integration Results



Manual Integration Results

RT: 7.80
Area: 1079
Amount: 0.236954
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:29:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

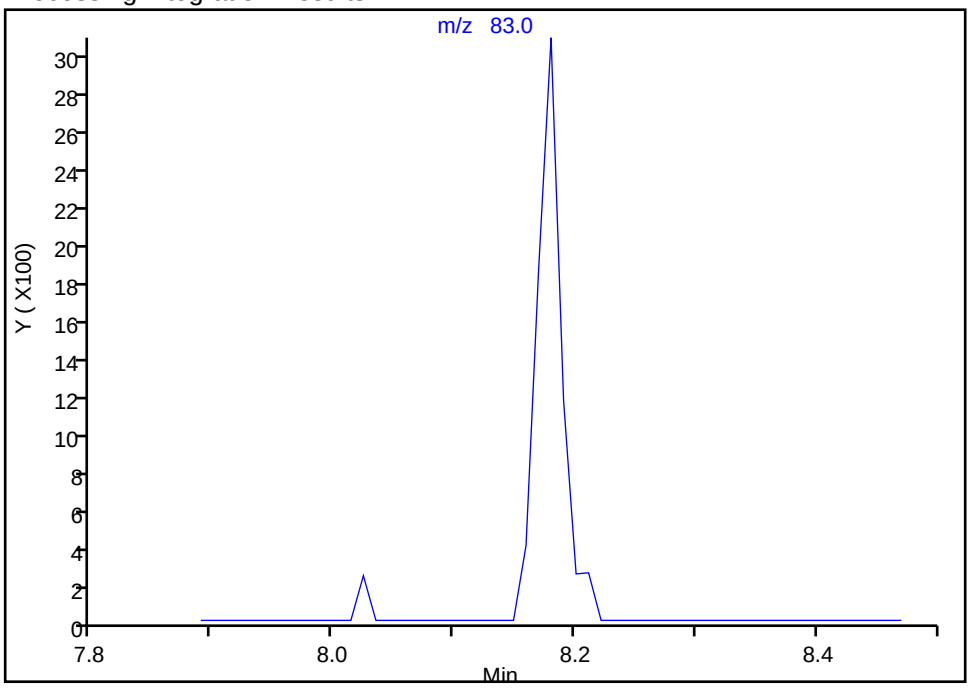
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

98 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

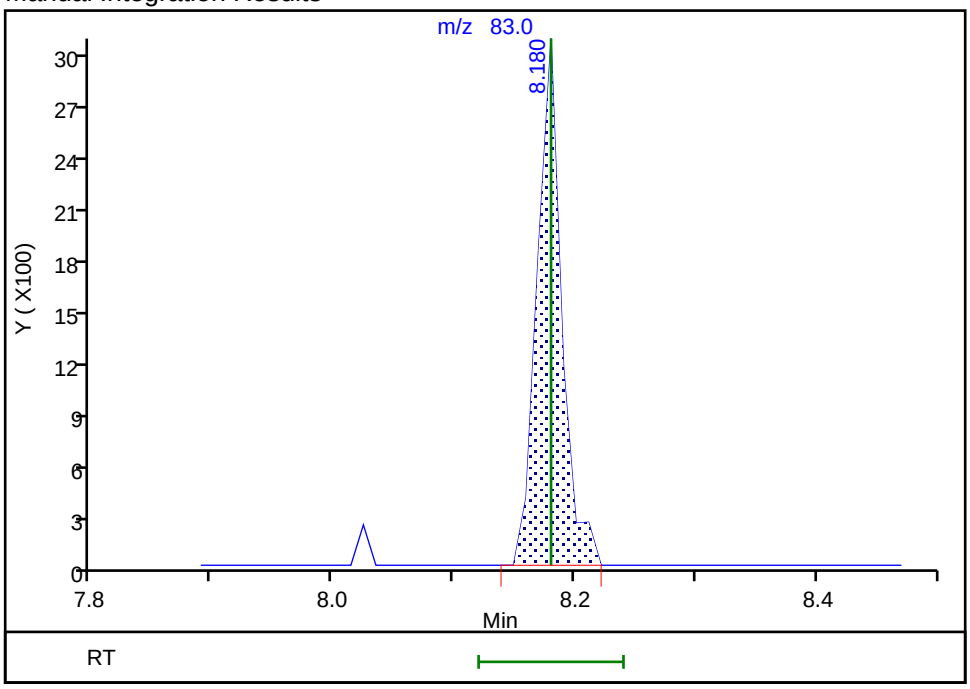
Not Detected
Expected RT: 8.18

Processing Integration Results



Manual Integration Results

RT: 8.18
Area: 4281
Amount: 0.390038
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:29:56
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

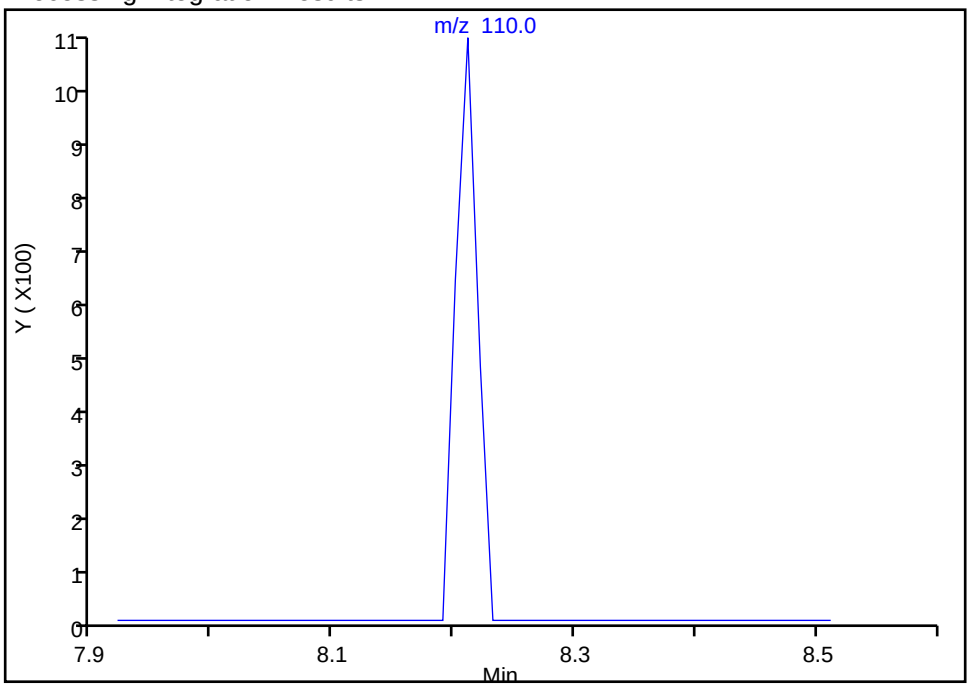
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

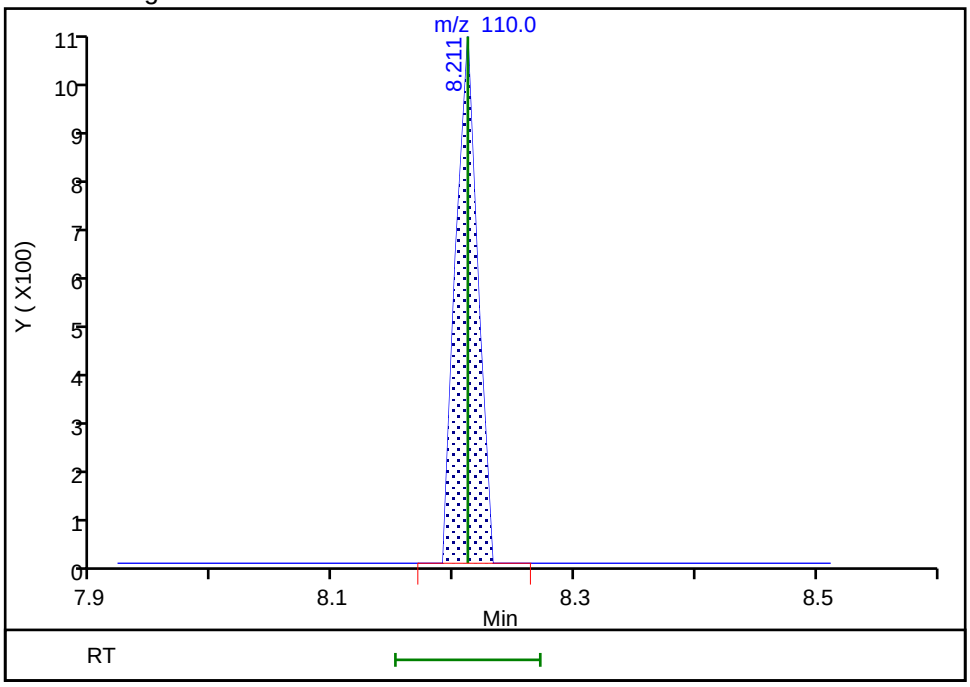
Not Detected
Expected RT: 8.21

Processing Integration Results



Manual Integration Results

RT: 8.21
Area: 1324
Amount: 0.348996
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:30:06
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

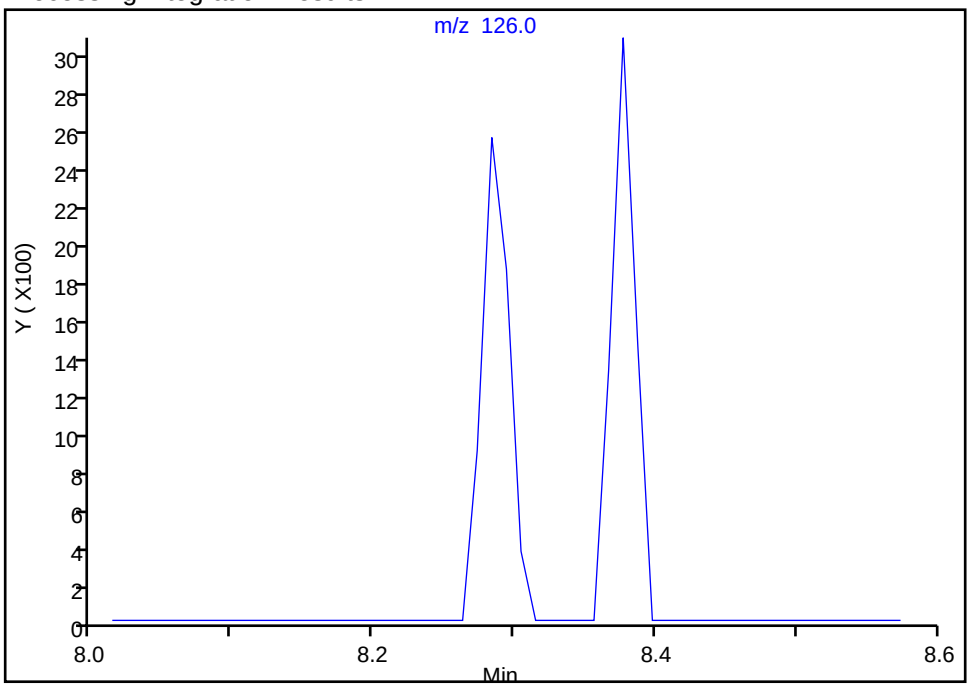
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

105 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

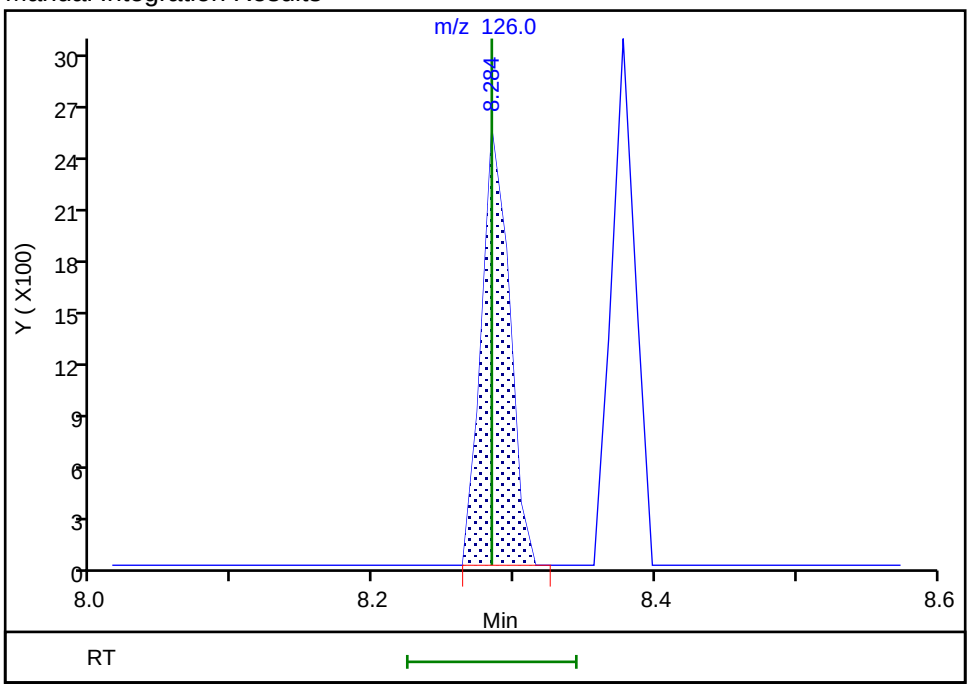
Not Detected
Expected RT: 8.28

Processing Integration Results



Manual Integration Results

RT: 8.28
Area: 3505
Amount: 0.380424
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:30:11
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

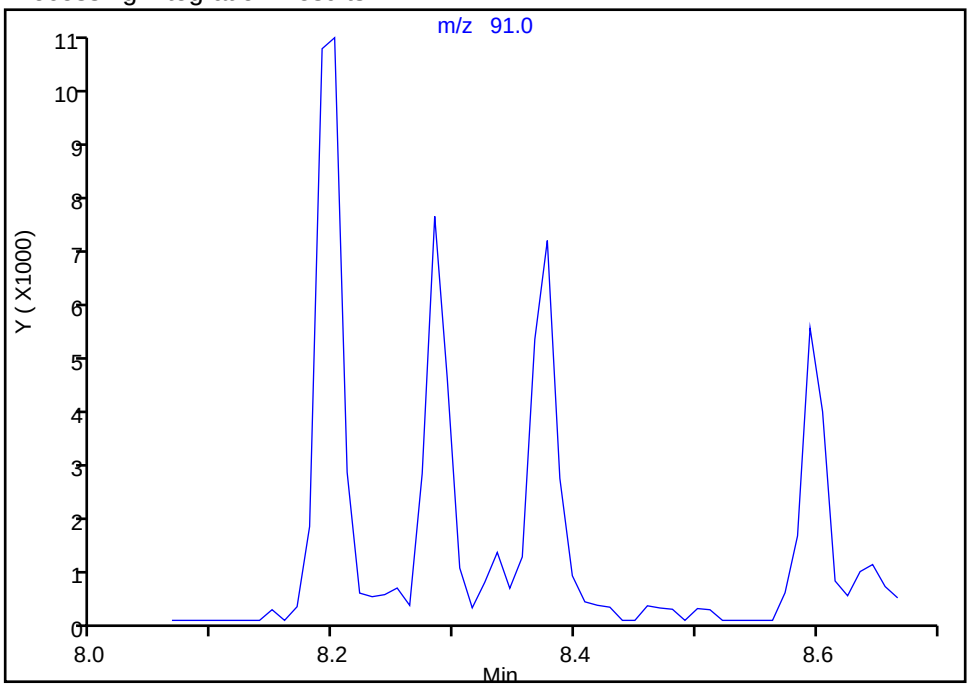
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

102 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

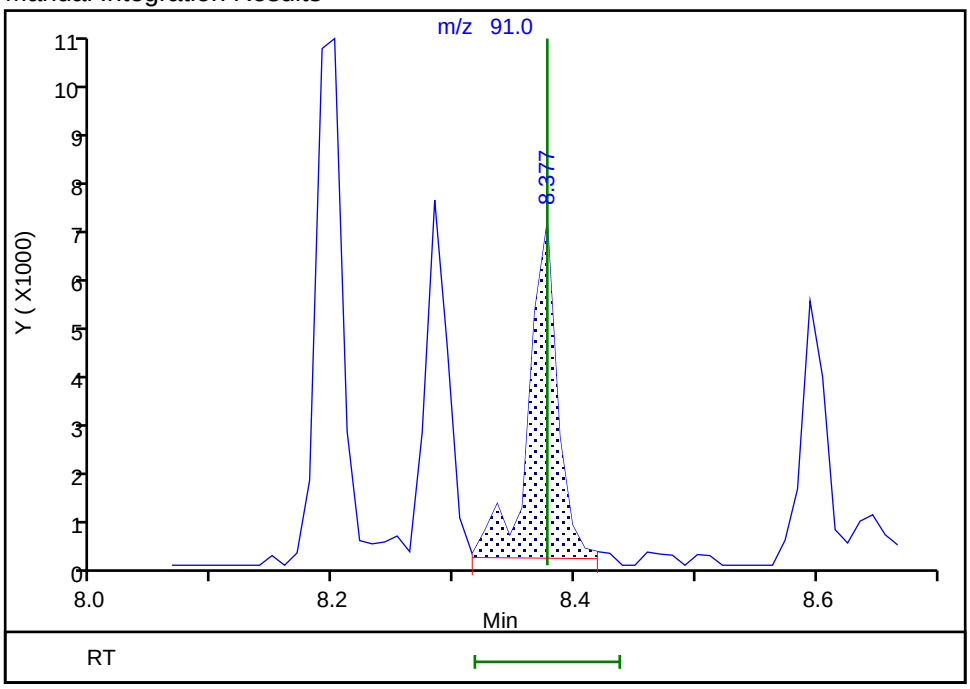
Not Detected
Expected RT: 8.38

Processing Integration Results



Manual Integration Results

RT: 8.38
Area: 11788
Amount: 0.427655
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:30:19
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

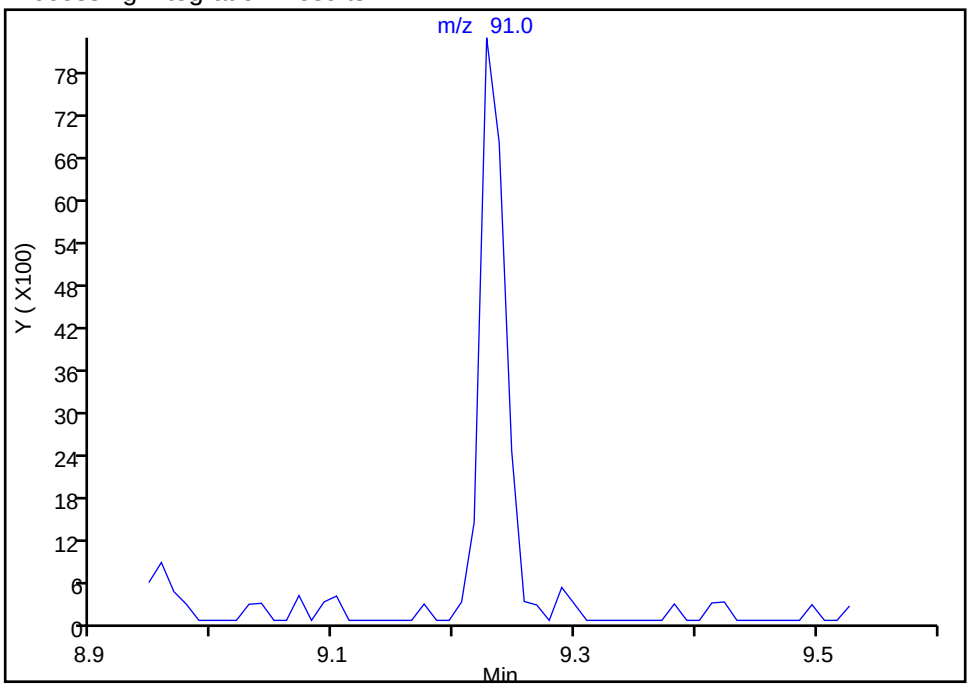
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

115 n-Butylbenzene, CAS: 104-51-8

Signal: 1

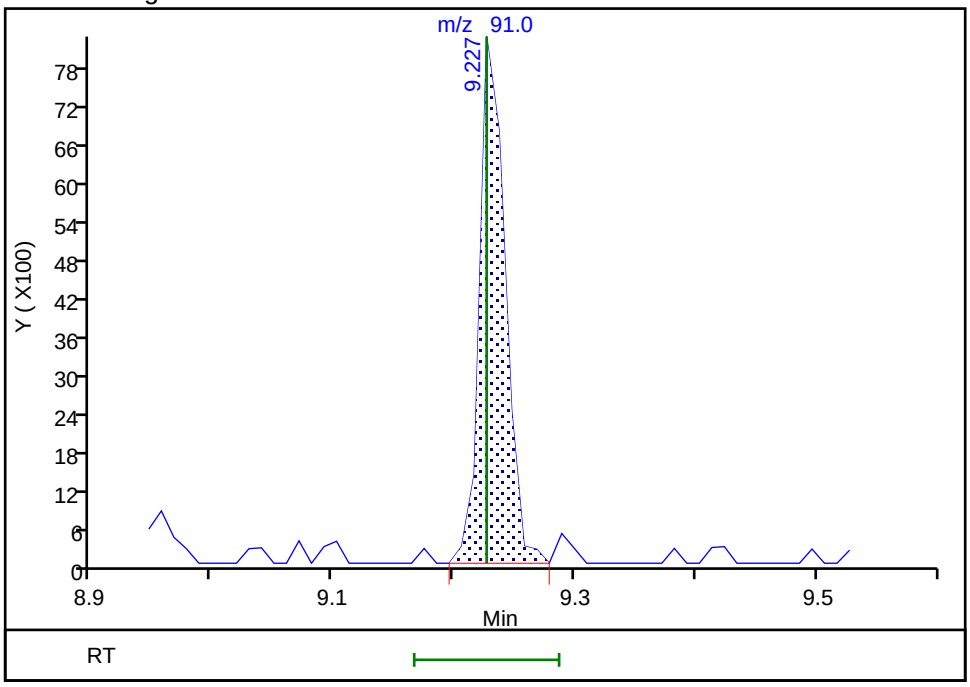
Not Detected
Expected RT: 9.23

Processing Integration Results



Manual Integration Results

RT: 9.23
Area: 12113
Amount: 0.385997
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:30:28
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

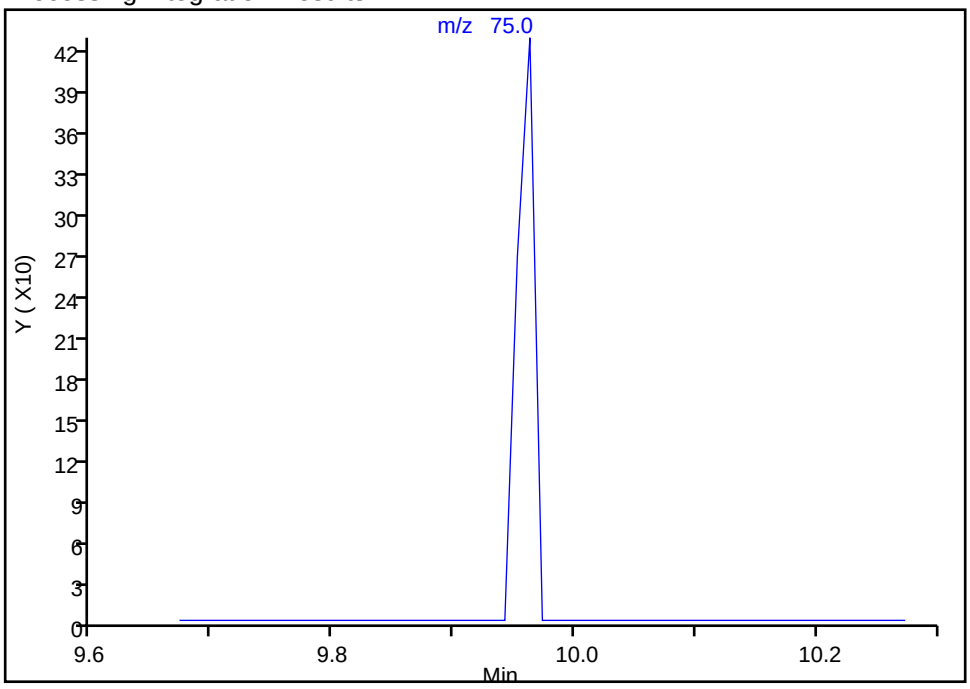
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

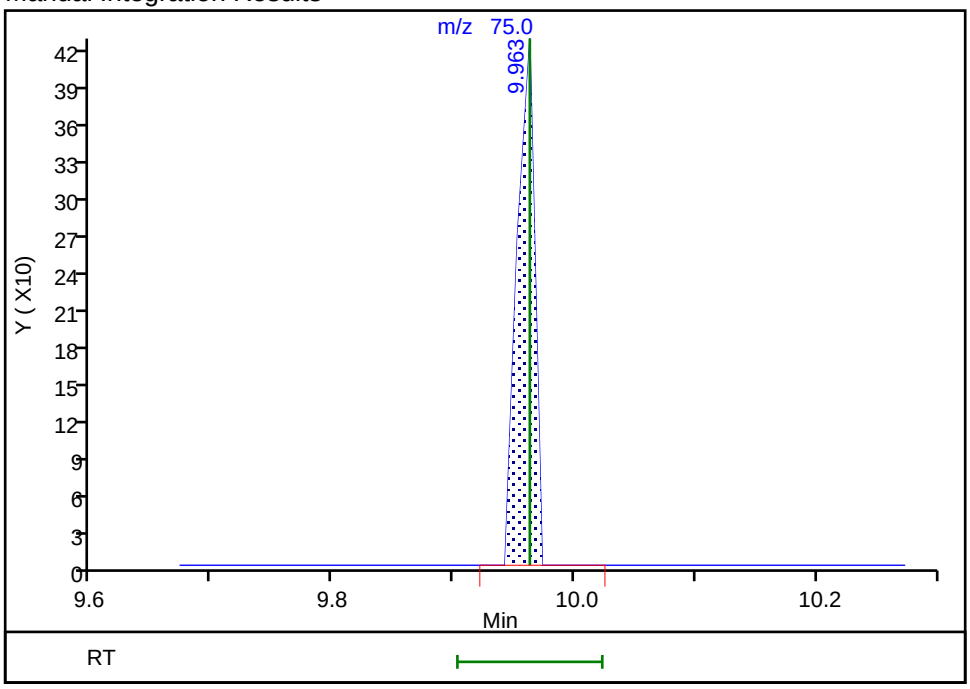
Not Detected
Expected RT: 9.96

Processing Integration Results



Manual Integration Results

RT: 9.96
Area: 430
Amount: 0.193260
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:30:38
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

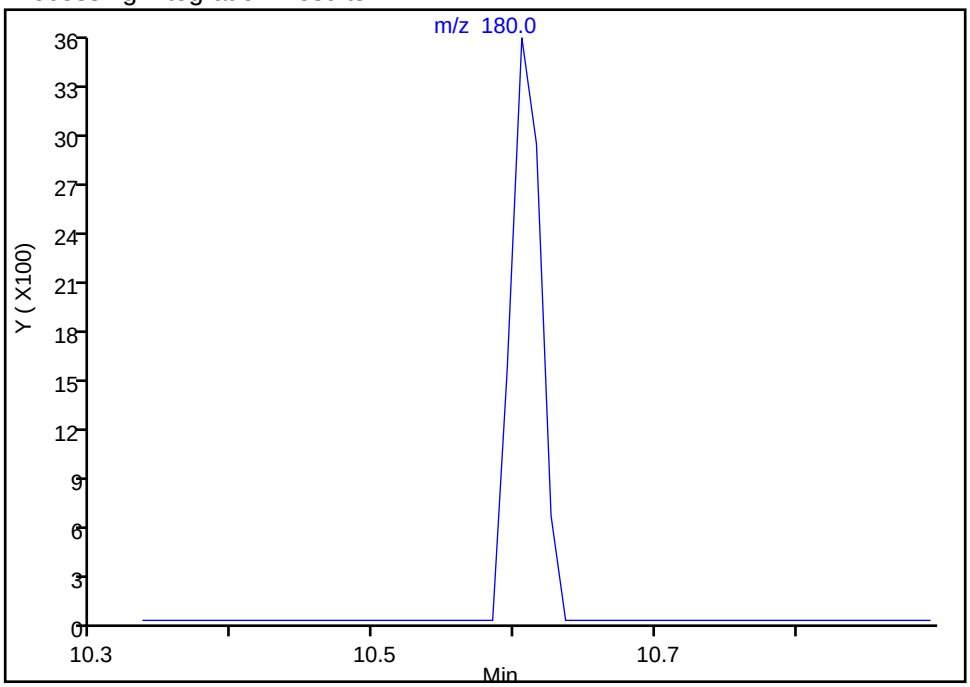
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

119 1,2,4-Trichlorobenzene, CAS: 120-82-1

Signal: 1

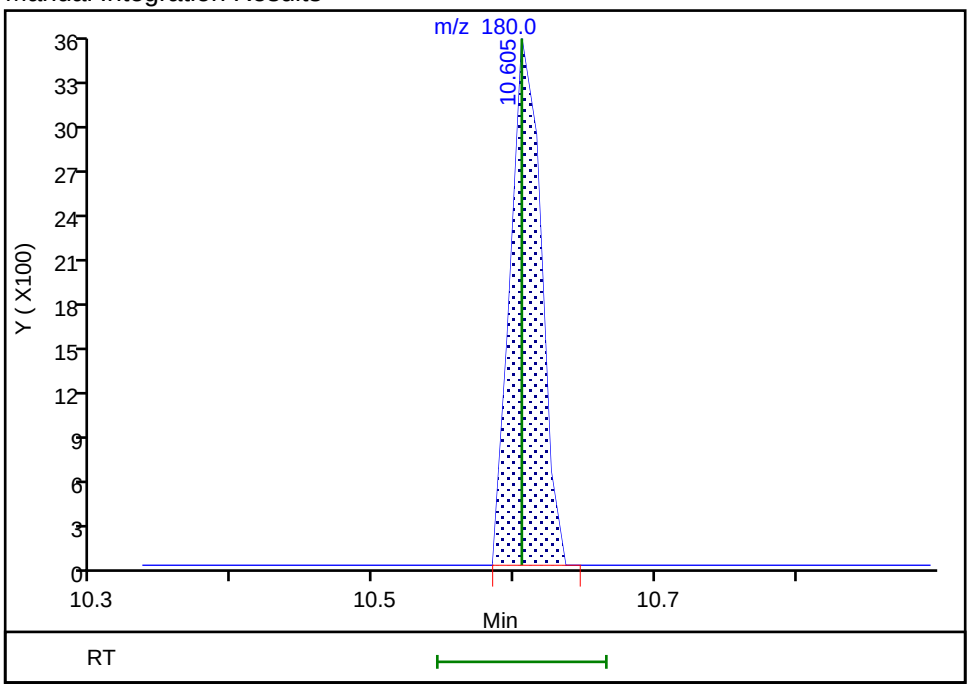
Not Detected
Expected RT: 10.61

Processing Integration Results



Manual Integration Results

RT: 10.61
Area: 5418
Amount: 0.390823
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:30:43
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

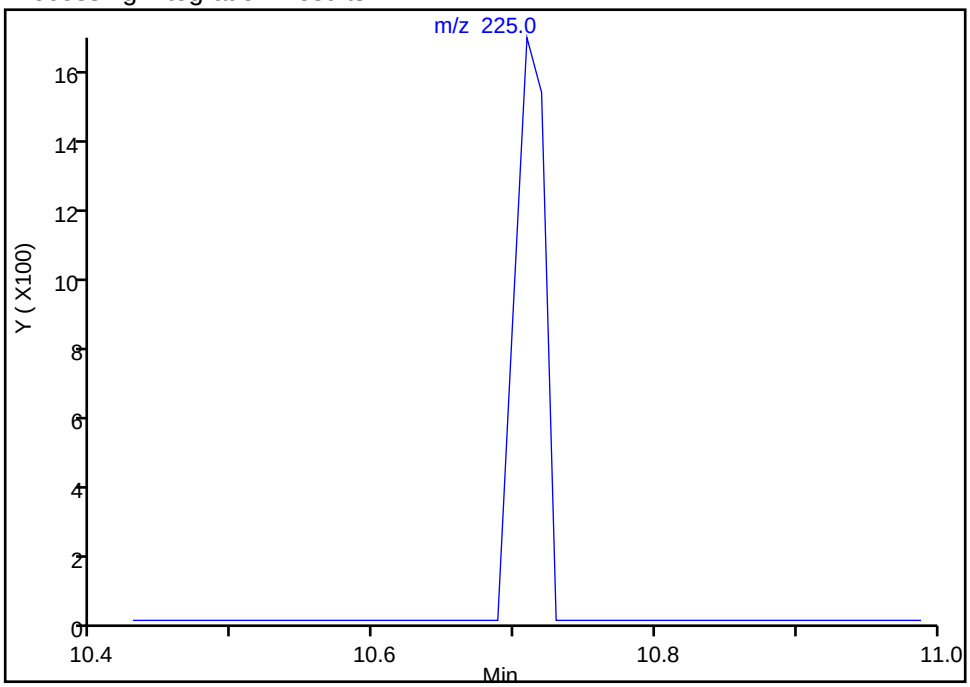
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

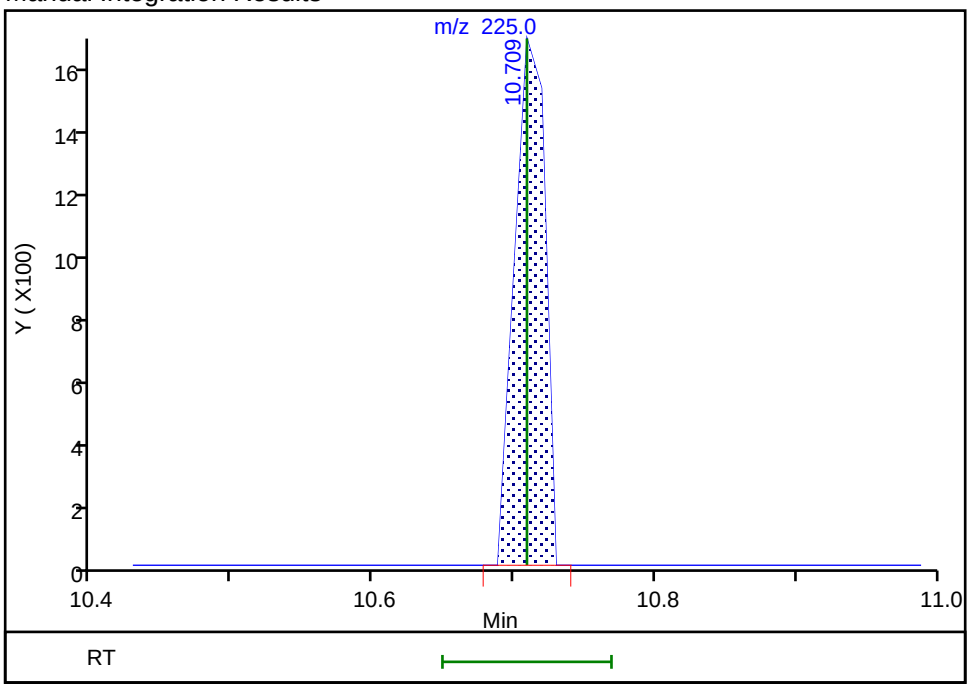
Not Detected
Expected RT: 10.71

Processing Integration Results



Manual Integration Results

RT: 10.71
Area: 2473
Amount: 0.397077
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:30:48
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

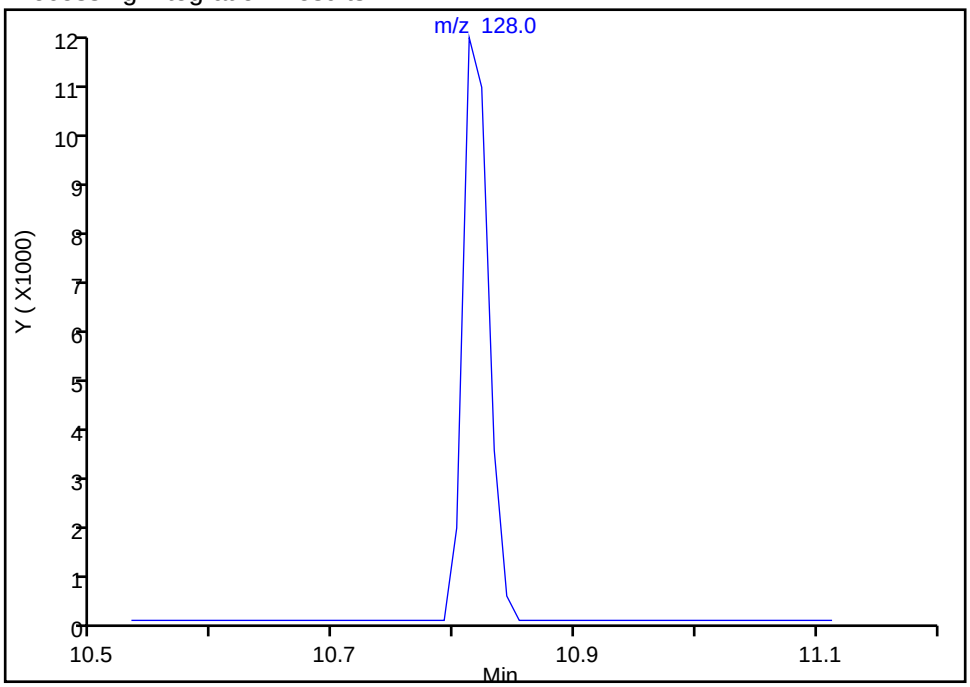
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9251.D
Injection Date: 17-Dec-2019 14:46:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

121 Naphthalene, CAS: 91-20-3

Signal: 1

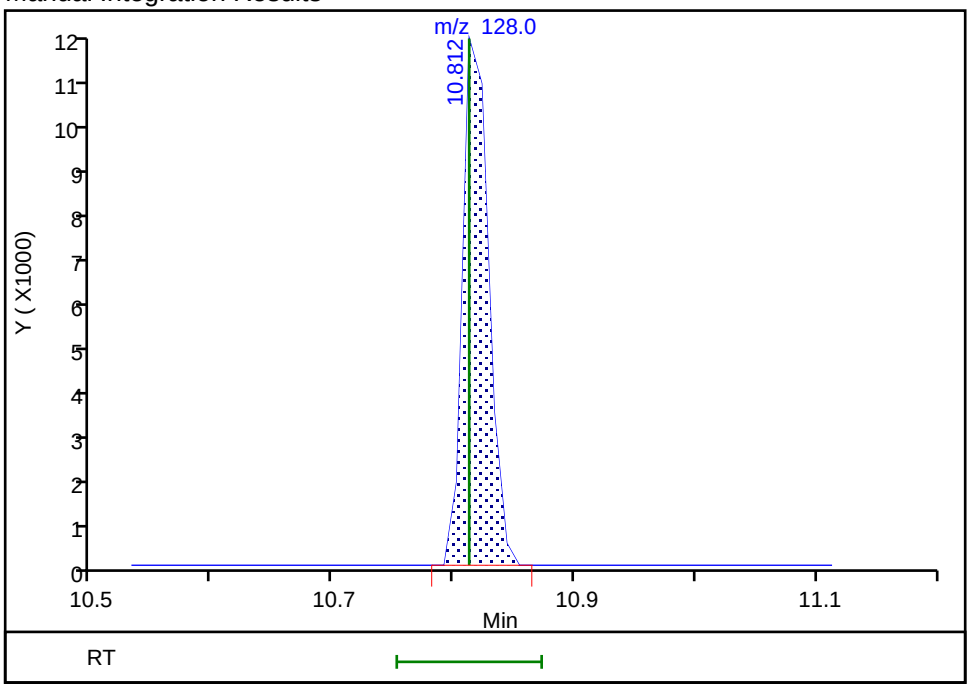
Not Detected
Expected RT: 10.81

Processing Integration Results



Manual Integration Results

RT: 10.81
Area: 16886
Amount: 0.397096
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:30:53
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9252.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Dec-2019 15:10:30 ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 480-0086996-007
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2019 16:08:55 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: farrellr Date: 18-Dec-2019 16:03:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.792	4.791	0.001	98	158848	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	88	576940	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.958	8.957	0.001	96	329966	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.336	4.335	0.001	93	197589	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.584	4.584	0.000	0	257558	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	5.973	5.973	0.000	94	773704	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	232193	25.0	25.2	
11 Dichlorodifluoromethane	85	1.206	1.206	0.000	97	9420	1.00	0.9523	
13 Chloromethane	50	1.361	1.372	-0.011	99	15512	1.00	1.10	
151 Butadiene	54	1.434	1.434	0.000	81	9654	1.00	0.8599	M
14 Vinyl chloride	62	1.455	1.455	0.000	96	11769	1.00	1.00	
15 Bromomethane	94	1.714	1.714	0.000	87	7329	1.00	1.10	M
16 Chloroethane	64	1.755	1.776	-0.021	93	7288	1.00	1.09	M
17 Trichlorofluoromethane	101	1.994	1.993	0.001	61	11842	1.00	0.9563	
18 Dichlorofluoromethane	67	1.994	1.993	0.001	94	14494	1.00	0.9512	M
19 Ethyl ether	59	2.242	2.242	0.000	93	9120	1.00	1.01	
21 Acrolein	56	2.429	2.418	0.011	96	12580	5.00	5.46	
22 1,1-Dichloroethene	96	2.439	2.449	-0.010	95	7238	1.00	0.9527	
20 1,1,2-Trichloro-1,2,2-trif	101	2.450	2.449	0.001	58	5698	1.00	0.7840	
23 Acetone	43	2.574	2.563	0.011	98	23685	5.00	5.62	
24 Iodomethane	142	2.605	2.605	0.000	99	12905	1.00	0.9371	
25 Carbon disulfide	76	2.636	2.636	0.000	99	23292	1.00	0.9228	
27 3-Chloro-1-propene	41	2.781	2.781	0.000	90	14394	1.00	0.9360	
28 Methyl acetate	43	2.833	2.822	0.011	98	19692	2.00	1.96	
30 Methylene Chloride	84	2.916	2.916	0.000	98	21317	1.00	0.9692	
31 2-Methyl-2-propanol	59	3.102	3.082	0.020	58	16534	10.0	8.97	
33 Methyl tert-butyl ether	73	3.113	3.102	0.011	93	24455	1.00	0.9847	
32 trans-1,2-Dichloroethene	96	3.113	3.113	0.000	96	7521	1.00	0.9210	
34 Acrylonitrile	53	3.175	3.175	0.000	99	48920	10.0	9.98	
35 Hexane	57	3.279	3.278	0.001	91	16579	1.00	1.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.486	3.475	0.011	96	14324	1.00	0.9558	
39 Vinyl acetate	43	3.517	3.517	0.000	97	41259	2.00	1.87	
42 2,2-Dichloropropane	77	3.921	3.921	0.000	87	10857	1.00	0.9368	
43 cis-1,2-Dichloroethene	96	3.952	3.952	0.000	83	8302	1.00	0.9499	
44 2-Butanone (MEK)	43	3.983	3.973	0.010	98	29340	5.00	4.64	
47 Chlorobromomethane	128	4.149	4.139	0.010	96	4483	1.00	0.9328	
48 Tetrahydrofuran	42	4.159	4.149	0.010	86	12246	2.00	2.48	
50 Chloroform	83	4.211	4.201	0.010	95	13729	1.00	0.9711	
51 1,1,1-Trichloroethane	97	4.294	4.294	0.000	86	10229	1.00	0.8686	
52 Cyclohexane	56	4.305	4.304	0.001	93	15222	1.00	0.8894	
53 Carbon tetrachloride	117	4.408	4.408	0.000	91	8833	1.00	0.8711	
54 1,1-Dichloropropene	75	4.419	4.418	0.001	90	9339	1.00	0.8802	
55 Benzene	78	4.584	4.584	0.000	45	26861	1.00	0.8775	
56 Isobutyl alcohol	43	4.605	4.595	0.010	91	16168	25.0	22.1	
57 1,2-Dichloroethane	62	4.636	4.636	0.000	96	12100	1.00	0.9750	
59 n-Heptane	43	4.709	4.719	-0.010	96	15755	1.00	0.9706	M
60 Trichloroethene	95	5.061	5.061	0.000	97	7856	1.00	0.9691	
62 Methylcyclohexane	83	5.154	5.154	0.000	95	11685	1.00	0.8240	
63 1,2-Dichloropropane	63	5.258	5.258	0.000	89	8104	1.00	0.9470	
65 Dibromomethane	93	5.362	5.361	0.001	94	5280	1.00	1.00	
66 1,4-Dioxane	88	5.382	5.361	0.021	36	2094	20.0	15.4	Ma
67 Dichlorobromomethane	83	5.476	5.486	-0.010	98	8146	1.00	0.8843	
69 2-Chloroethyl vinyl ether	63	5.693	5.693	0.000	95	5275	1.00	0.8390	
71 cis-1,3-Dichloropropene	75	5.797	5.797	0.000	91	10659	1.00	0.8621	
72 4-Methyl-2-pentanone (MIBK	43	5.911	5.911	0.000	99	58831	5.00	4.61	
73 Toluene	92	6.014	6.014	0.000	98	19026	1.00	0.9708	
75 trans-1,3-Dichloropropene	75	6.232	6.232	0.000	96	10212	1.00	0.8799	
77 Ethyl methacrylate	69	6.253	6.253	0.000	95	10548	1.00	0.9113	
78 1,1,2-Trichloroethane	83	6.377	6.377	0.000	91	5278	1.00	0.8604	
79 Tetrachloroethene	166	6.419	6.418	0.001	90	7331	1.00	0.9181	
80 1,3-Dichloropropane	76	6.501	6.501	0.000	92	12093	1.00	0.9333	
81 2-Hexanone	43	6.543	6.543	0.000	98	42423	5.00	4.59	
82 Chlorodibromomethane	129	6.678	6.678	0.000	89	5777	1.00	0.8315	
83 Ethylene Dibromide	107	6.761	6.760	0.001	98	6674	1.00	0.8629	
86 Chlorobenzene	112	7.113	7.113	0.000	95	21269	1.00	0.9562	
88 Ethylbenzene	91	7.175	7.175	0.000	98	33649	1.00	0.9266	
89 1,1,1,2-Tetrachloroethane	131	7.185	7.185	0.000	89	6584	1.00	0.9076	
90 m-Xylene & p-Xylene	106	7.268	7.268	0.000	0	13308	1.00	0.9036	
91 o-Xylene	106	7.590	7.589	0.001	96	13133	1.00	0.9204	
92 Styrene	104	7.610	7.610	0.000	93	21998	1.00	0.9230	
93 Bromoform	173	7.797	7.797	0.000	92	3333	1.00	0.7438	
95 Isopropylbenzene	105	7.869	7.869	0.000	96	33280	1.00	0.8853	
97 Bromobenzene	156	8.149	8.149	0.000	92	8550	1.00	0.8936	
98 1,1,2,2-Tetrachloroethane	83	8.180	8.180	0.000	93	9656	1.00	0.8702	
99 N-Propylbenzene	91	8.201	8.201	0.000	98	39512	1.00	0.8903	
100 1,2,3-Trichloropropane	110	8.211	8.211	0.000	87	3815	1.00	0.99	
101 trans-1,4-Dichloro-2-buten	53	8.211	8.211	0.000	70	2883	1.00	0.8053	
105 2-Chlorotoluene	126	8.284	8.284	0.000	97	8642	1.00	0.9278	a
104 1,3,5-Trimethylbenzene	105	8.336	8.336	0.000	96	28959	1.00	0.8931	
102 4-Chlorotoluene	91	8.377	8.377	0.000	98	26705	1.00	0.9583	
106 tert-Butylbenzene	134	8.595	8.595	0.000	91	6818	1.00	0.9639	
107 1,2,4-Trimethylbenzene	105	8.647	8.647	0.001	97	28940	1.00	0.8927	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.771	8.771	0.000	94	35944	1.00	0.8779	
111 4-Isopropyltoluene	119	8.895	8.895	0.000	98	31874	1.00	0.8590	
110 1,3-Dichlorobenzene	146	8.906	8.906	0.000	98	16923	1.00	0.9111	
113 1,4-Dichlorobenzene	146	8.978	8.978	0.000	94	18176	1.00	0.9534	
115 n-Butylbenzene	91	9.237	9.227	0.010	96	27516	1.00	0.8673	
116 1,2-Dichlorobenzene	146	9.289	9.289	0.000	96	17535	1.00	0.9395	
117 1,2-Dibromo-3-Chloropropan	75	9.963	9.963	0.000	0	1871	1.00	0.8318	M
119 1,2,4-Trichlorobenzene	180	10.605	10.605	0.000	93	12357	1.00	0.8817	
120 Hexachlorobutadiene	225	10.709	10.709	0.000	95	5817	1.00	0.9239	
121 Naphthalene	128	10.823	10.812	0.011	97	37273	1.00	0.8670	
122 1,2,3-Trichlorobenzene	180	11.009	11.009	0.000	95	13720	1.00	0.9743	
S 126 Xylenes, Total	1				0			1.82	
S 124 1,2-Dichloroethene, Total	1				0			1.87	
S 125 Total BTEX	1				0			4.60	
S 123 1,3-Dichloropropene, Total	1				0			1.74	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00175	Amount Added:	1.00	Units: uL	
GAS CORP mix_00375	Amount Added:	1.00	Units: uL	
T_8260_Surr_00203	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added:	1.00	Units: uL	Run Reagent

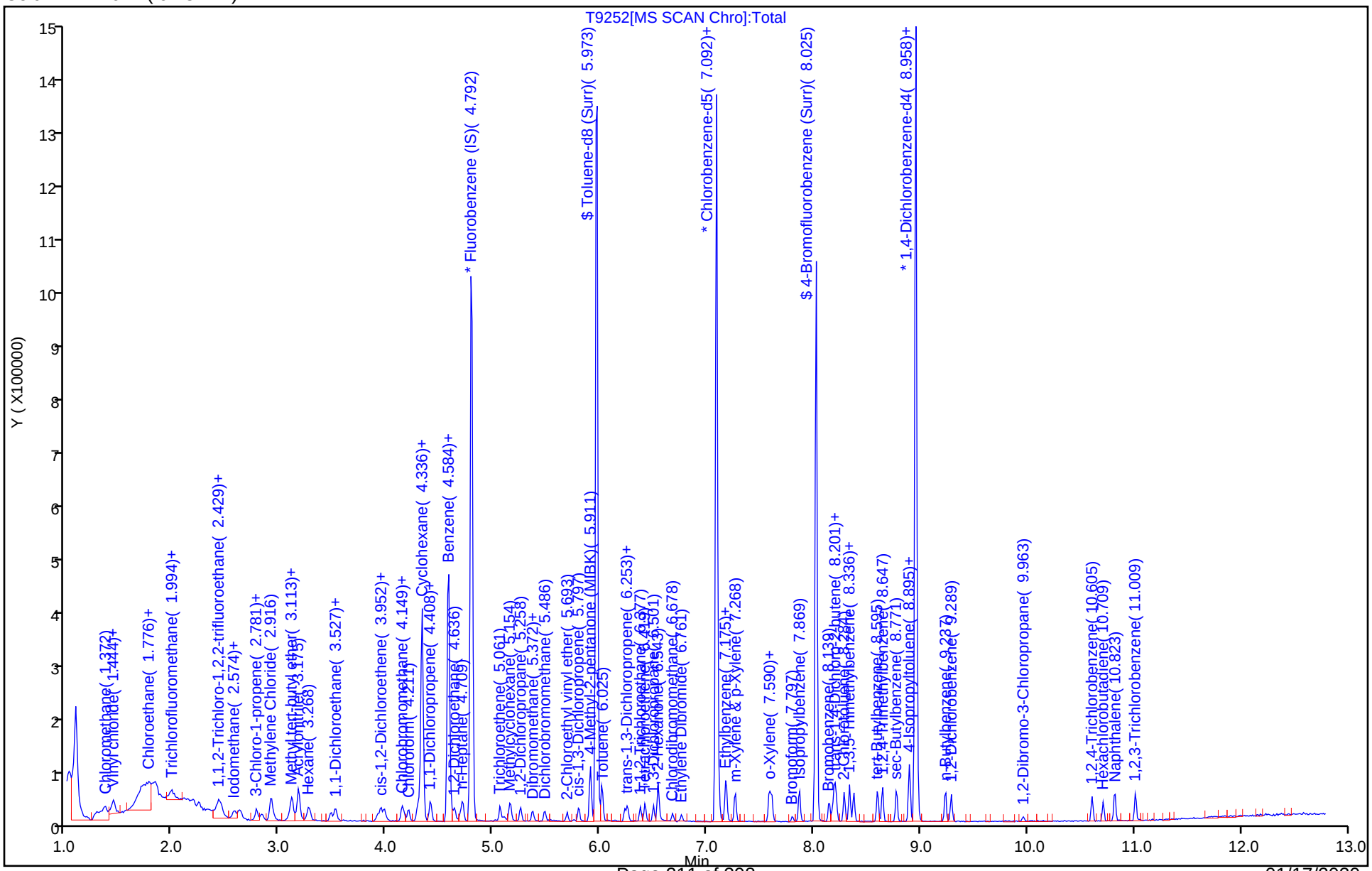
Report Date: 18-Dec-2019 16:08:57 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9252.D

Injection Date:	17-Dec-2019 15:10:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

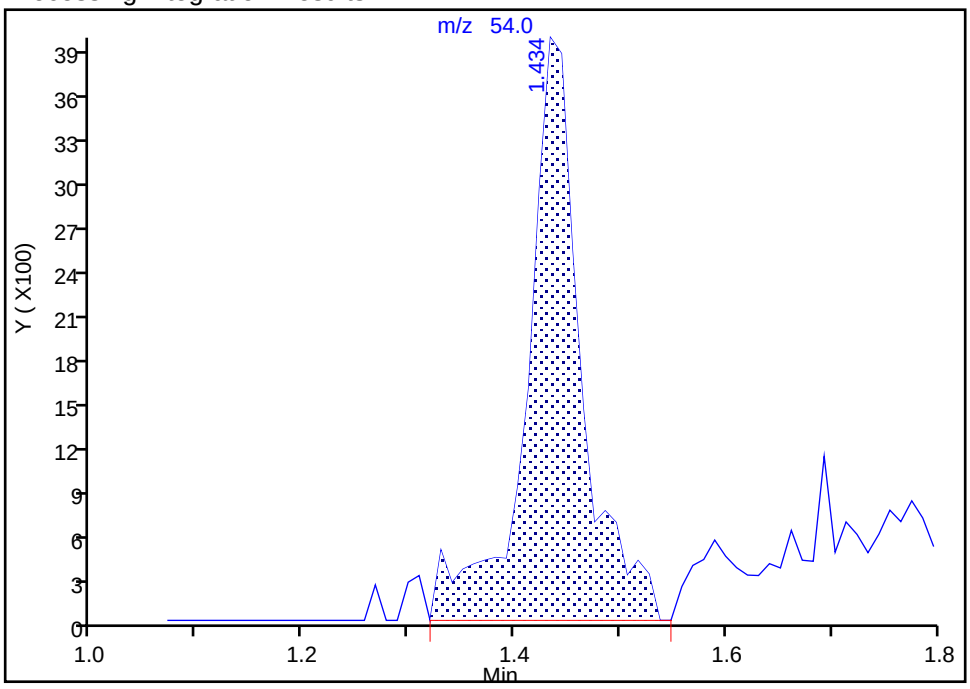
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9252.D
Injection Date: 17-Dec-2019 15:10:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

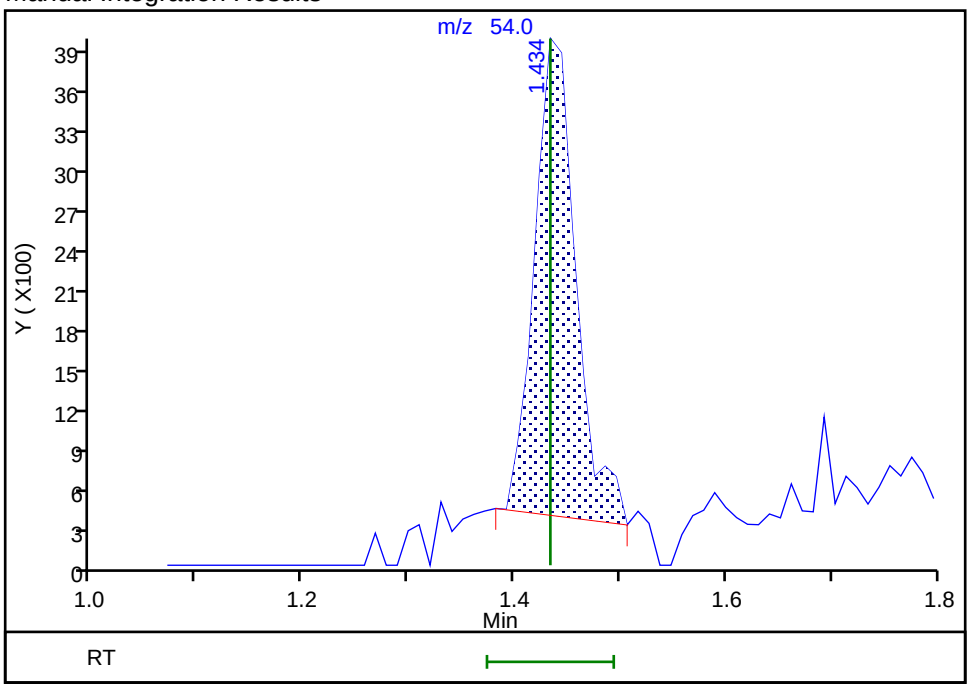
Processing Integration Results

RT: 1.43
Area: 14169
Amount: 1.184393
Amount Units: ug/L



Manual Integration Results

RT: 1.43
Area: 9654
Amount: 0.859855
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:33:48
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

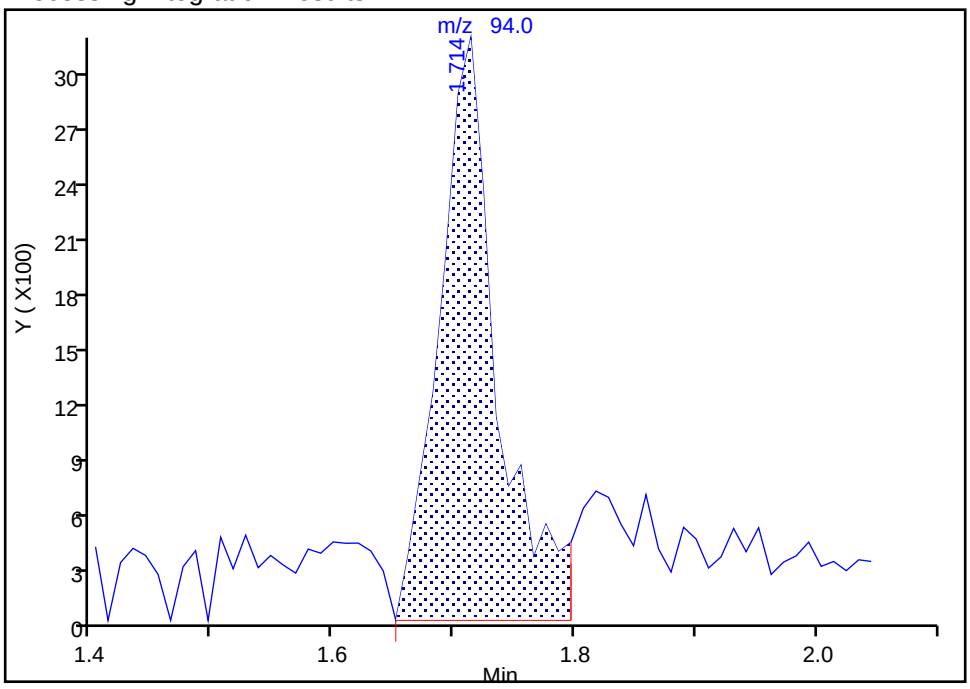
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9252.D
Injection Date: 17-Dec-2019 15:10:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

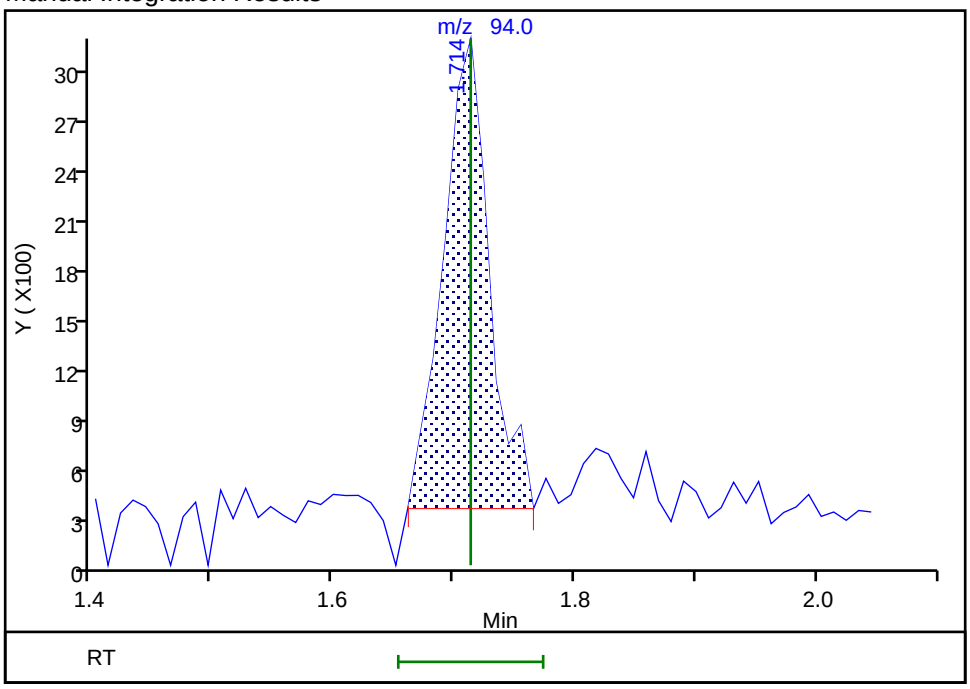
Processing Integration Results

RT: 1.71
Area: 10418
Amount: 1.441466
Amount Units: ug/L



Manual Integration Results

RT: 1.71
Area: 7329
Amount: 1.104460
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 16:03:36
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

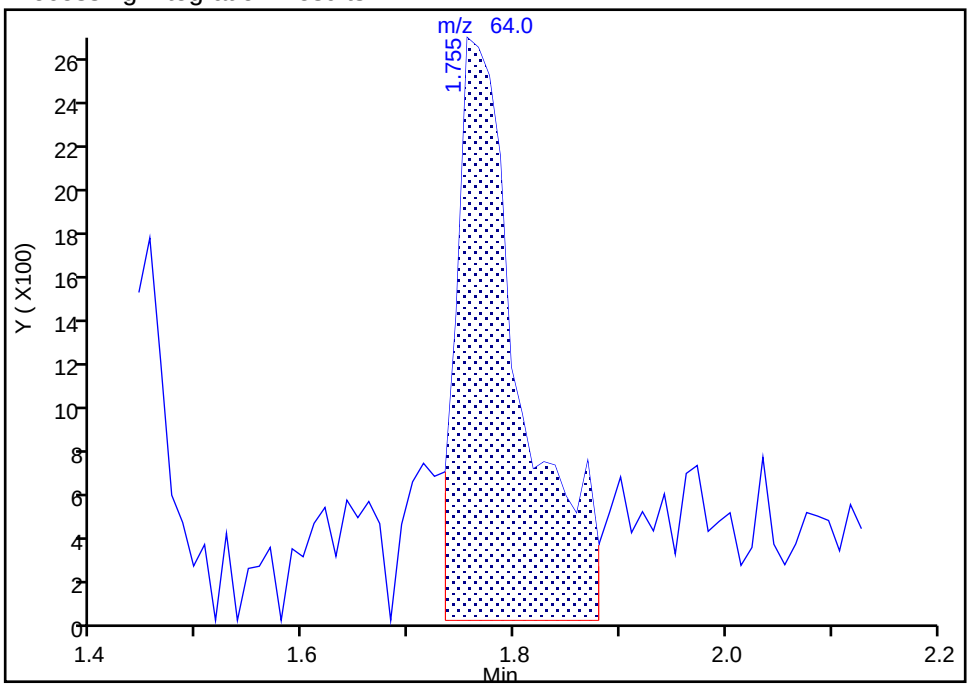
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9252.D
Injection Date: 17-Dec-2019 15:10:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

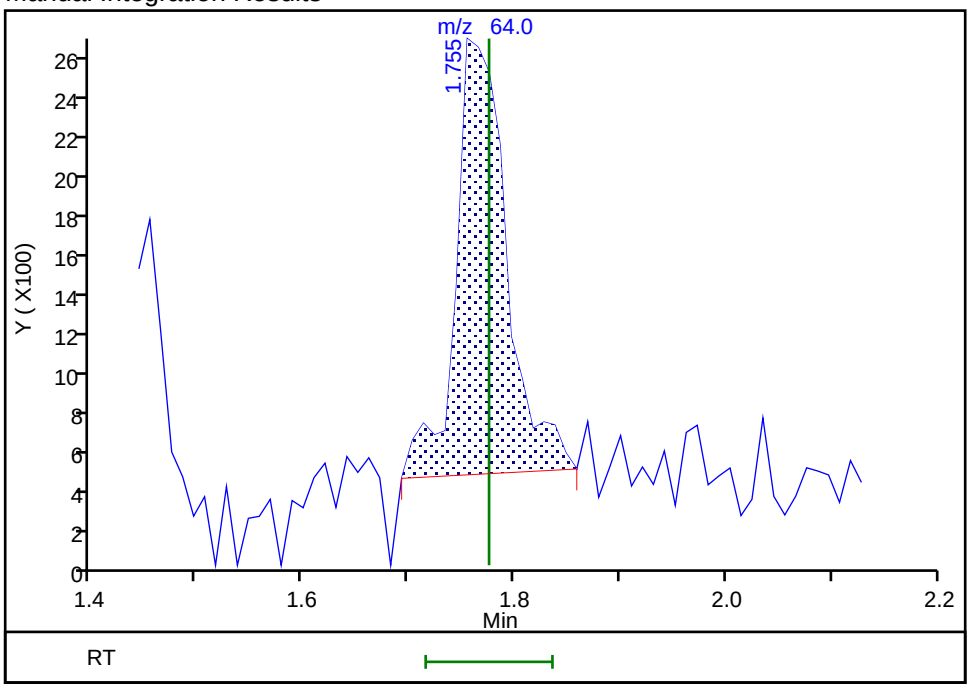
Processing Integration Results

RT: 1.76
Area: 11286
Amount: 1.350517
Amount Units: ug/L



Manual Integration Results

RT: 1.76
Area: 7288
Amount: 1.090148
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:34:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

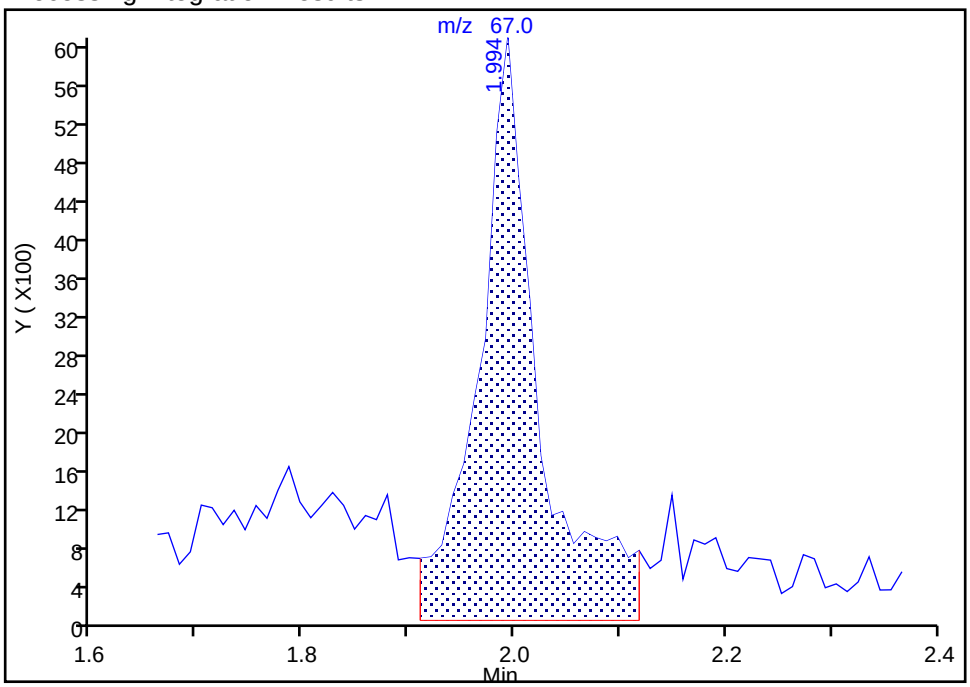
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9252.D
Injection Date: 17-Dec-2019 15:10:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

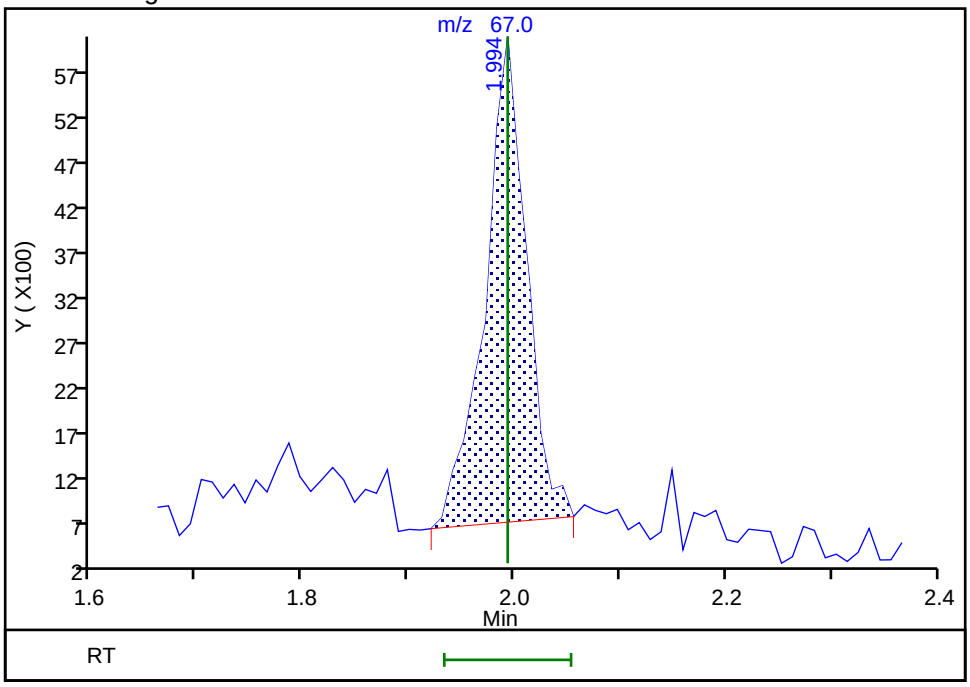
Processing Integration Results

RT: 1.99
Area: 24267
Amount: 1.434649
Amount Units: ug/L



Manual Integration Results

RT: 1.99
Area: 14494
Amount: 0.951232
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:33:35
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

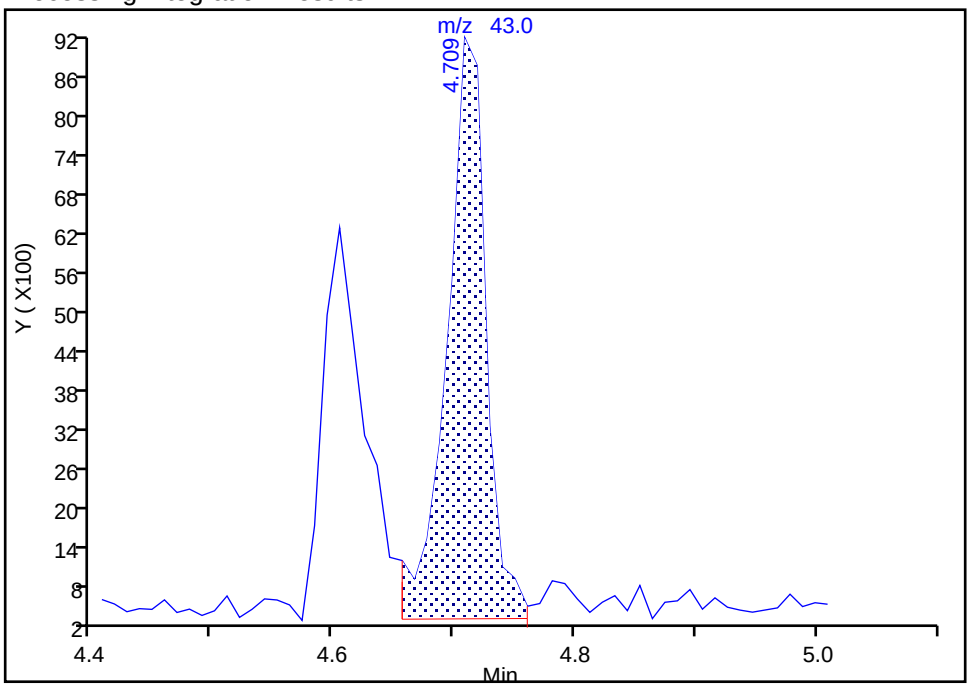
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9252.D
Injection Date: 17-Dec-2019 15:10:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

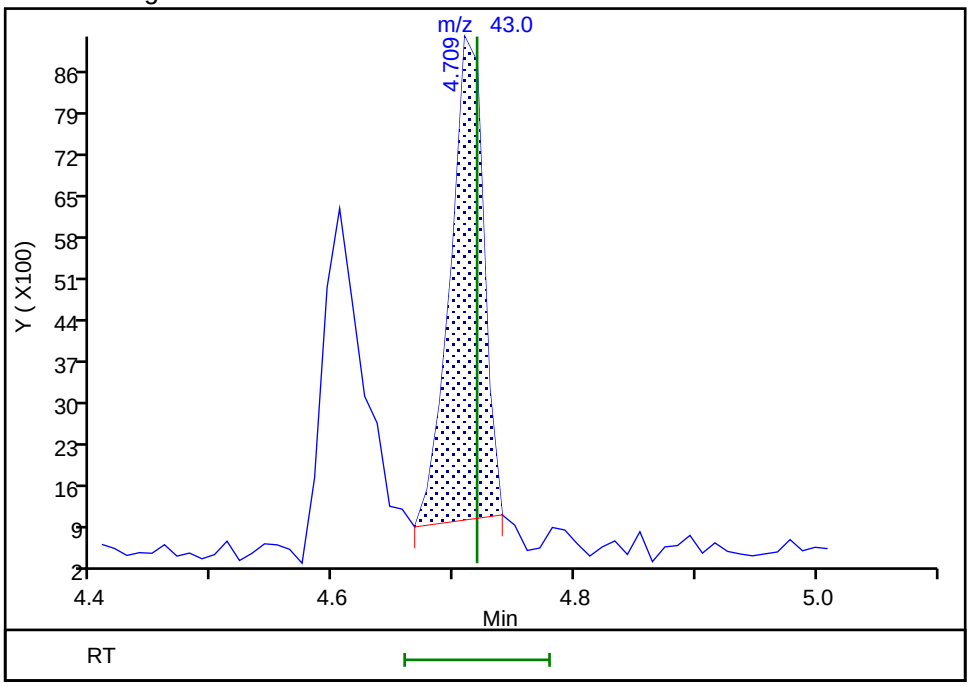
Processing Integration Results

RT: 4.71
Area: 20276
Amount: 0.989210
Amount Units: ug/L



Manual Integration Results

RT: 4.71
Area: 15755
Amount: 0.970558
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:34:36
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

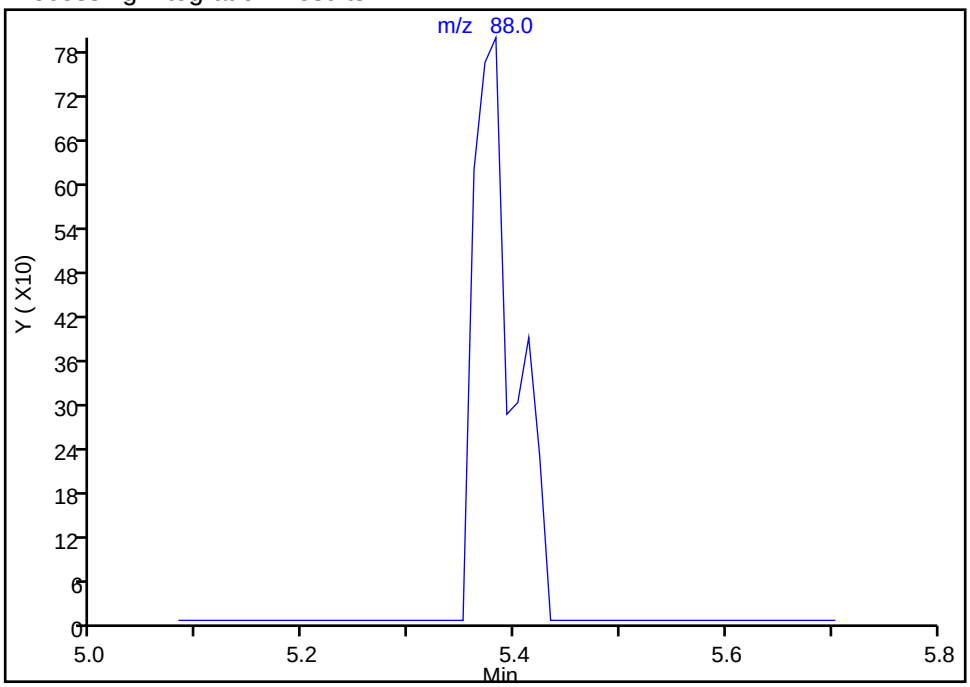
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9252.D
Injection Date: 17-Dec-2019 15:10:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

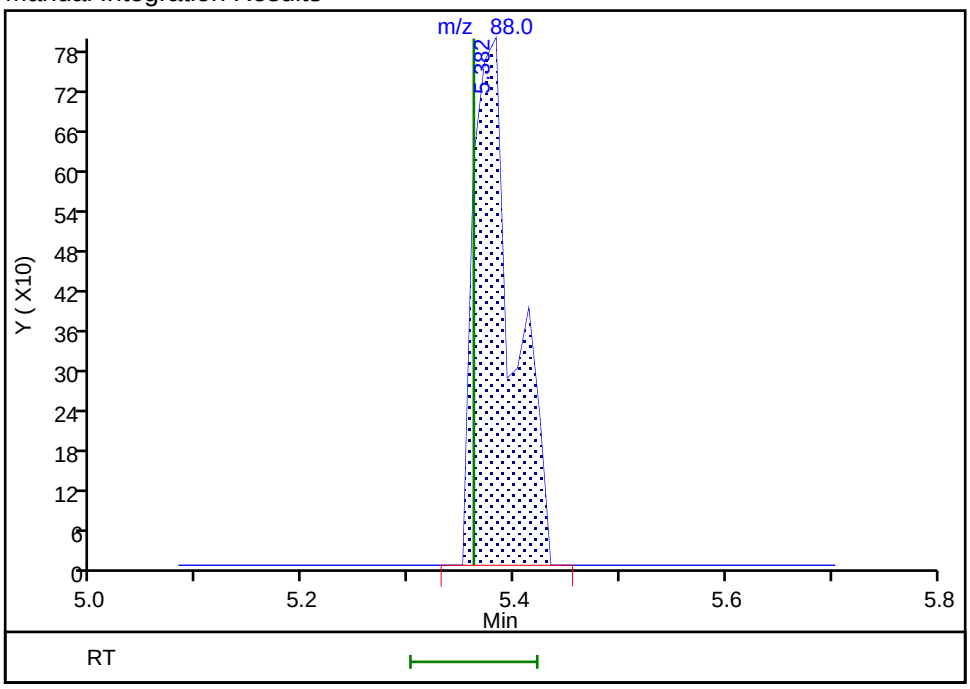
Not Detected
Expected RT: 5.36

Processing Integration Results



Manual Integration Results

RT: 5.38
Area: 2094
Amount: 15.383112
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:34:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

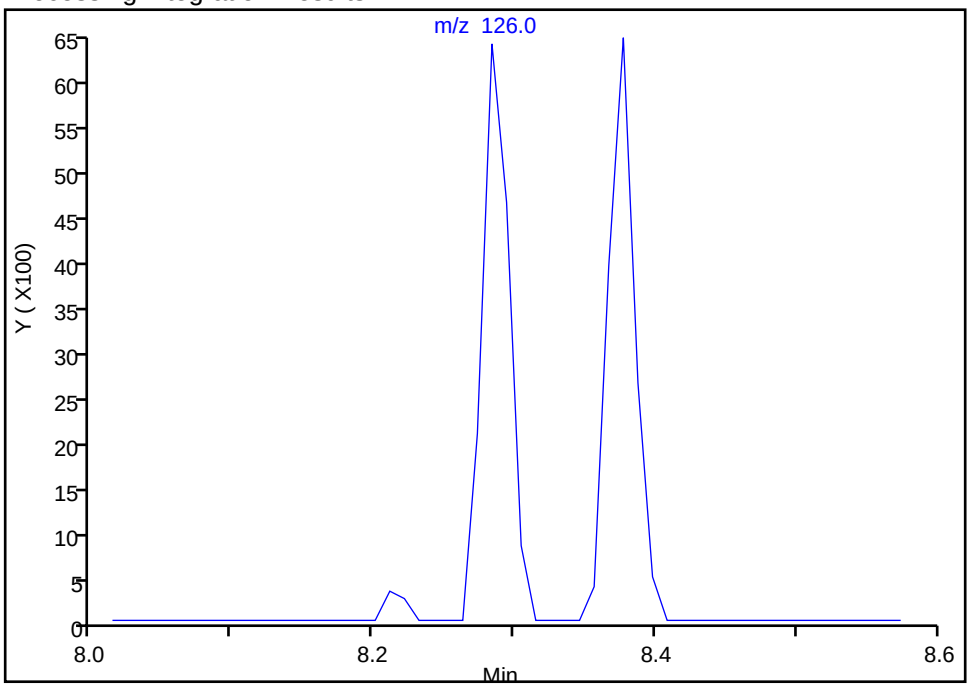
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9252.D
Injection Date: 17-Dec-2019 15:10:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

105 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

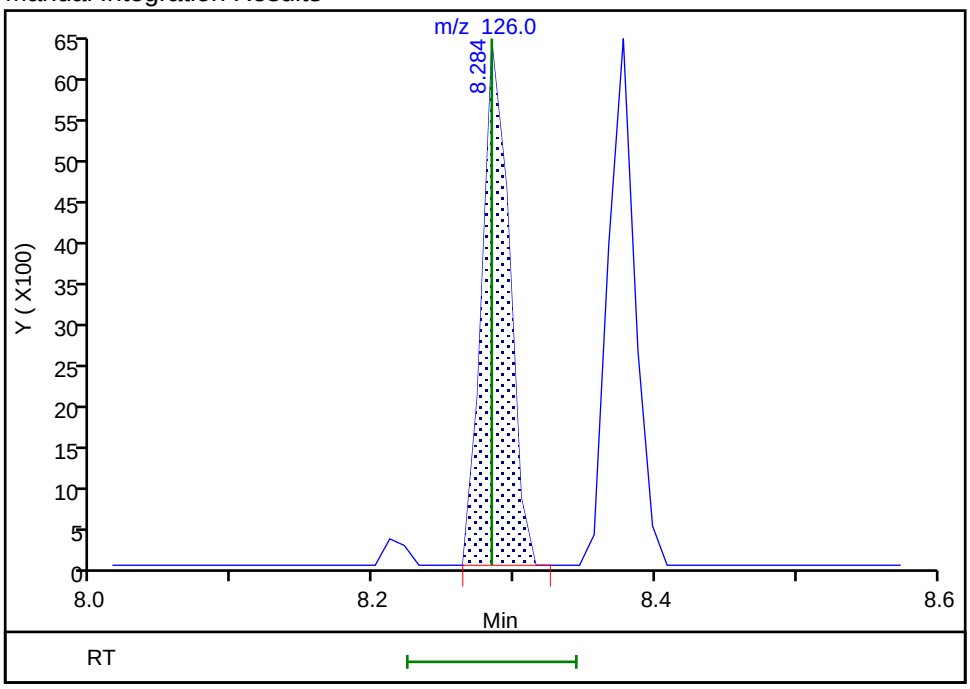
Not Detected
Expected RT: 8.28

Processing Integration Results



Manual Integration Results

RT: 8.28
Area: 8642
Amount: 0.927810
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:35:30
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

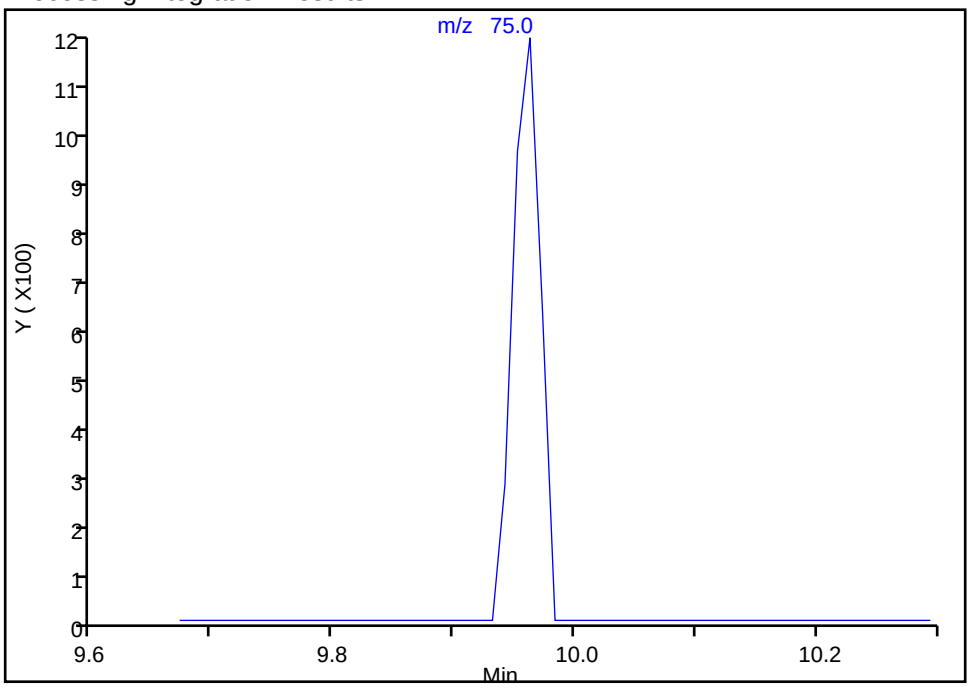
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9252.D
Injection Date: 17-Dec-2019 15:10:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

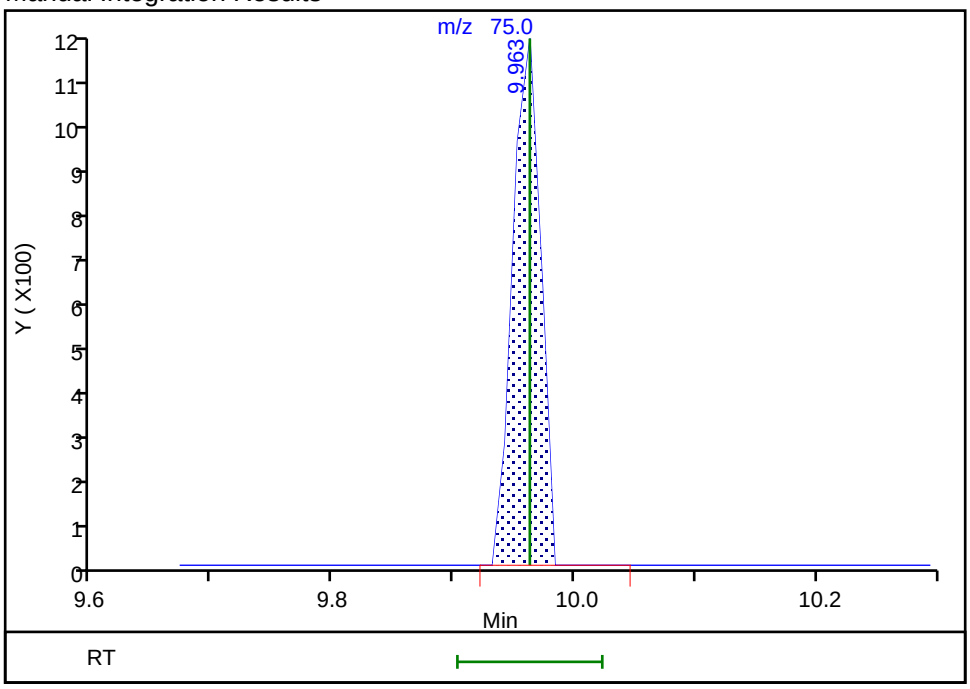
Not Detected
Expected RT: 9.96

Processing Integration Results



Manual Integration Results

RT: 9.96
Area: 1871
Amount: 0.831788
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:35:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9253.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Dec-2019 15:34:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 2
Misc. Info.: 480-0086996-008
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2019 16:09:02 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: farrellr Date: 18-Dec-2019 08:37:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.791	4.791	0.000	98	161181	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	87	593007	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.957	8.957	0.000	96	327402	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.335	4.335	0.000	93	196148	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.574	4.584	-0.010	0	256586	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	5.962	5.973	-0.011	94	774607	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	234774	25.0	24.8	
11 Dichlorodifluoromethane	85	1.195	1.206	-0.011	98	20722	2.00	2.06	
13 Chloromethane	50	1.361	1.372	-0.011	98	30113	2.00	2.11	
151 Butadiene	54	1.434	1.434	0.000	88	23875	2.00	2.10	M
14 Vinyl chloride	62	1.444	1.455	-0.011	98	23112	2.00	1.94	
15 Bromomethane	94	1.703	1.714	-0.011	96	12268	2.00	1.82	M
16 Chloroethane	64	1.755	1.776	-0.021	81	13133	2.00	1.94	
17 Trichlorofluoromethane	101	1.973	1.993	-0.020	66	24116	2.00	1.92	
18 Dichlorofluoromethane	67	1.983	1.993	-0.010	96	29864	2.00	1.93	M
19 Ethyl ether	59	2.242	2.242	0.000	92	18984	2.00	2.07	
21 Acrolein	56	2.408	2.418	-0.010	97	26964	10.0	11.5	
22 1,1-Dichloroethene	96	2.439	2.449	-0.010	97	16428	2.00	2.13	
20 1,1,2-Trichloro-1,2,2-trif	101	2.439	2.449	-0.010	57	13972	2.00	1.89	
23 Acetone	43	2.563	2.563	0.000	98	45319	10.0	10.6	
24 Iodomethane	142	2.594	2.605	-0.011	99	27889	2.00	2.00	
25 Carbon disulfide	76	2.626	2.636	-0.010	100	49722	2.00	1.94	
27 3-Chloro-1-propene	41	2.771	2.781	-0.010	91	30229	2.00	1.94	
28 Methyl acetate	43	2.822	2.822	0.000	99	38114	4.00	3.74	
30 Methylene Chloride	84	2.916	2.916	0.000	99	30729	2.00	2.04	
31 2-Methyl-2-propanol	59	3.092	3.082	0.010	72	35489	20.0	19.0	
33 Methyl tert-butyl ether	73	3.113	3.102	0.011	98	49418	2.00	1.96	
32 trans-1,2-Dichloroethene	96	3.113	3.113	0.000	94	16616	2.00	2.01	
34 Acrylonitrile	53	3.175	3.175	0.000	99	96078	20.0	19.3	
35 Hexane	57	3.268	3.278	-0.010	93	31217	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.475	3.475	0.000	95	30015	2.00	1.97	
39 Vinyl acetate	43	3.517	3.517	0.000	98	85372	4.00	3.81	
42 2,2-Dichloropropane	77	3.921	3.921	0.000	87	23798	2.00	2.02	
43 cis-1,2-Dichloroethene	96	3.942	3.952	-0.010	83	17602	2.00	1.98	
44 2-Butanone (MEK)	43	3.973	3.973	0.000	99	63028	10.0	9.82	
47 Chlorobromomethane	128	4.139	4.139	0.000	97	9196	2.00	1.89	
48 Tetrahydrofuran	42	4.149	4.149	0.000	90	20443	4.00	4.09	
50 Chloroform	83	4.201	4.201	0.000	94	27526	2.00	1.92	
51 1,1,1-Trichloroethane	97	4.294	4.294	0.000	87	23163	2.00	1.94	
52 Cyclohexane	56	4.294	4.304	-0.010	91	33982	2.00	1.96	
53 Carbon tetrachloride	117	4.408	4.408	0.000	96	19010	2.00	1.85	
54 1,1-Dichloropropene	75	4.408	4.418	-0.010	89	20404	2.00	1.90	
55 Benzene	78	4.574	4.584	-0.010	52	63595	2.00	2.05	
56 Isobutyl alcohol	43	4.595	4.595	0.000	90	32453	50.0	43.8	
57 1,2-Dichloroethane	62	4.636	4.636	0.000	96	24305	2.00	1.93	
59 n-Heptane	43	4.709	4.719	-0.010	95	34405	2.00	2.09	
60 Trichloroethene	95	5.061	5.061	0.000	94	16527	2.00	2.01	
62 Methylcyclohexane	83	5.154	5.154	0.000	95	27276	2.00	1.90	
63 1,2-Dichloropropane	63	5.258	5.258	0.000	93	16898	2.00	1.95	
65 Dibromomethane	93	5.361	5.361	0.000	96	10415	2.00	1.95	
66 1,4-Dioxane	88	5.372	5.361	0.011	41	5346	40.0	38.2	
67 Dichlorobromomethane	83	5.475	5.486	-0.011	98	18017	2.00	1.93	
69 2-Chloroethyl vinyl ether	63	5.693	5.693	0.000	92	12809	2.00	2.01	
71 cis-1,3-Dichloropropene	75	5.797	5.797	0.000	92	25048	2.00	2.00	
72 4-Methyl-2-pentanone (MIBK	43	5.911	5.911	0.000	98	127755	10.0	9.75	
73 Toluene	92	6.014	6.014	0.000	97	38039	2.00	1.89	
75 trans-1,3-Dichloropropene	75	6.232	6.232	0.000	97	23080	2.00	1.93	
77 Ethyl methacrylate	69	6.253	6.253	0.000	96	22788	2.00	1.92	
78 1,1,2-Trichloroethane	83	6.377	6.377	0.000	92	13442	2.00	2.13	
79 Tetrachloroethene	166	6.418	6.418	0.000	95	16113	2.00	1.96	
80 1,3-Dichloropropane	76	6.501	6.501	0.000	95	26473	2.00	1.99	
81 2-Hexanone	43	6.543	6.543	0.000	97	87702	10.0	9.24	
82 Chlorodibromomethane	129	6.678	6.678	0.000	89	13479	2.00	1.89	
83 Ethylene Dibromide	107	6.760	6.760	0.000	99	15257	2.00	1.92	
86 Chlorobenzene	112	7.113	7.113	0.000	96	46970	2.00	2.05	
88 Ethylbenzene	91	7.175	7.175	0.000	98	71709	2.00	1.92	
89 1,1,1,2-Tetrachloroethane	131	7.185	7.185	0.000	94	13871	2.00	1.86	
90 m-Xylene & p-Xylene	106	7.268	7.268	0.000	0	29250	2.00	1.93	
91 o-Xylene	106	7.589	7.589	0.000	96	27538	2.00	1.88	
92 Styrene	104	7.610	7.610	0.000	95	46317	2.00	1.89	
93 Bromoform	173	7.797	7.797	0.000	93	7973	2.00	1.73	
95 Isopropylbenzene	105	7.869	7.869	0.000	96	72933	2.00	1.96	
97 Bromobenzene	156	8.149	8.149	0.000	95	18315	2.00	1.93	
98 1,1,2,2-Tetrachloroethane	83	8.180	8.180	0.000	96	21792	2.00	1.98	
99 N-Propylbenzene	91	8.201	8.201	0.000	99	86634	2.00	1.97	
100 1,2,3-Trichloropropane	110	8.211	8.211	0.000	89	7662	2.00	2.01	
101 trans-1,4-Dichloro-2-buten	53	8.222	8.211	0.011	73	6307	2.00	1.78	
105 2-Chlorotoluene	126	8.284	8.284	0.000	96	18265	2.00	1.98	
104 1,3,5-Trimethylbenzene	105	8.336	8.336	0.000	95	63923	2.00	1.99	
102 4-Chlorotoluene	91	8.377	8.377	0.000	97	54053	2.00	1.95	
106 tert-Butylbenzene	134	8.595	8.595	0.000	92	12854	2.00	1.83	
107 1,2,4-Trimethylbenzene	105	8.647	8.647	0.000	97	60930	2.00	1.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.771	8.771	0.000	95	79558	2.00	1.96	
111 4-Isopropyltoluene	119	8.895	8.895	0.000	98	70840	2.00	1.92	
110 1,3-Dichlorobenzene	146	8.895	8.906	-0.011	96	37883	2.00	2.06	
113 1,4-Dichlorobenzene	146	8.978	8.978	0.000	94	37429	2.00	1.98	
115 n-Butylbenzene	91	9.237	9.227	0.010	97	60349	2.00	1.92	
116 1,2-Dichlorobenzene	146	9.289	9.289	0.000	96	35312	2.00	1.91	
117 1,2-Dibromo-3-Chloropropan	75	9.963	9.963	0.000	82	4044	2.00	1.81	
119 1,2,4-Trichlorobenzene	180	10.605	10.605	0.000	93	28366	2.00	2.04	
120 Hexachlorobutadiene	225	10.709	10.709	0.000	95	11476	2.00	1.84	
121 Naphthalene	128	10.823	10.812	0.011	97	82177	2.00	1.93	
122 1,2,3-Trichlorobenzene	180	11.009	11.009	0.000	94	26822	2.00	1.92	
S 126 Xylenes, Total	1				0			3.81	
S 124 1,2-Dichloroethene, Total	1				0			3.99	
S 125 Total BTEX	1				0			9.67	
S 123 1,3-Dichloropropene, Total	1				0			3.93	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00375	Amount Added:	2.00	Units: uL	
8260 CORP mix_00175	Amount Added:	2.00	Units: uL	
T_8260_Surr_00203	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added:	1.00	Units: uL	Run Reagent

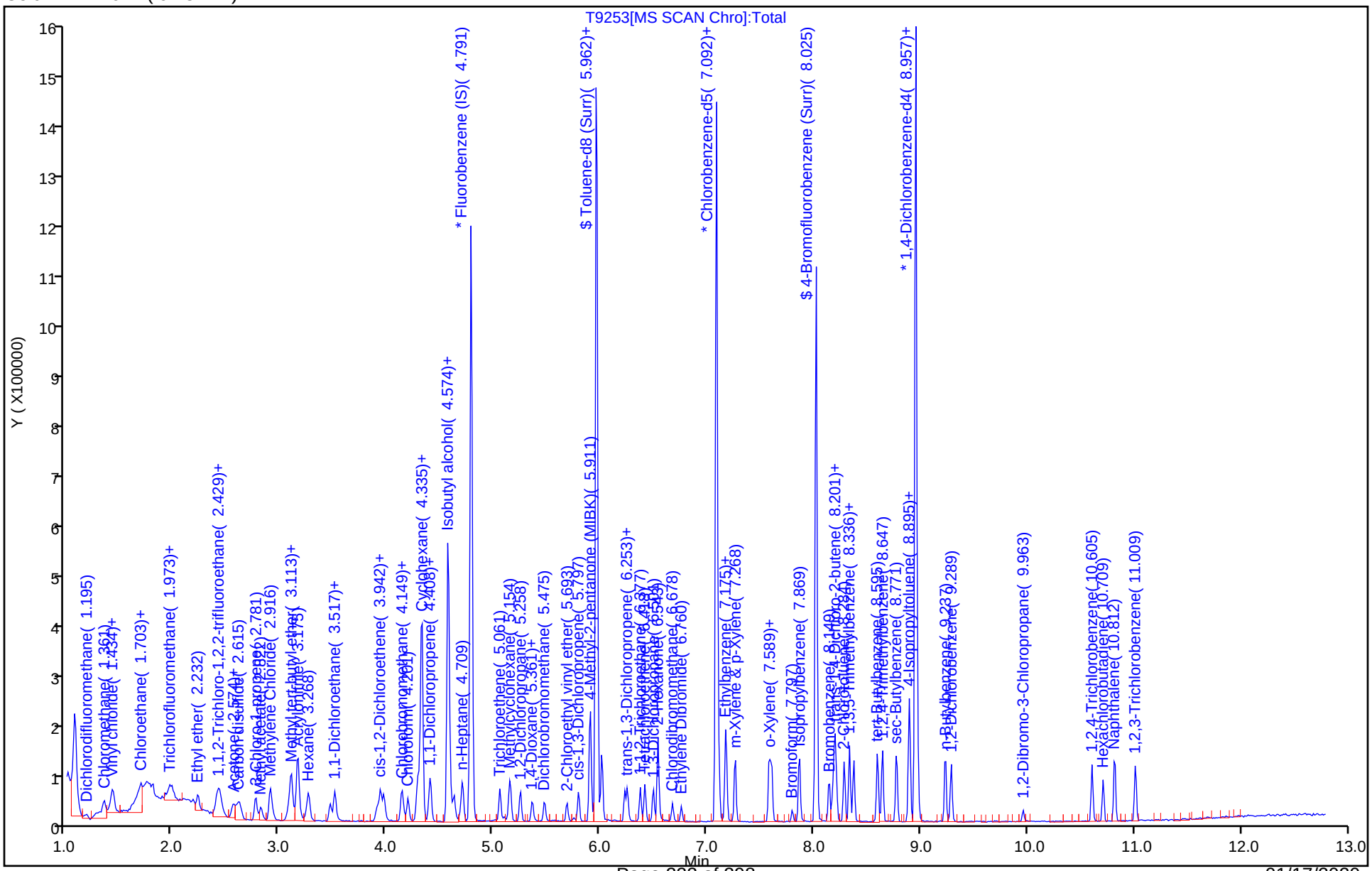
Report Date: 18-Dec-2019 16:09:05 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9253.D

Injection Date:	17-Dec-2019 15:34:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC 2			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

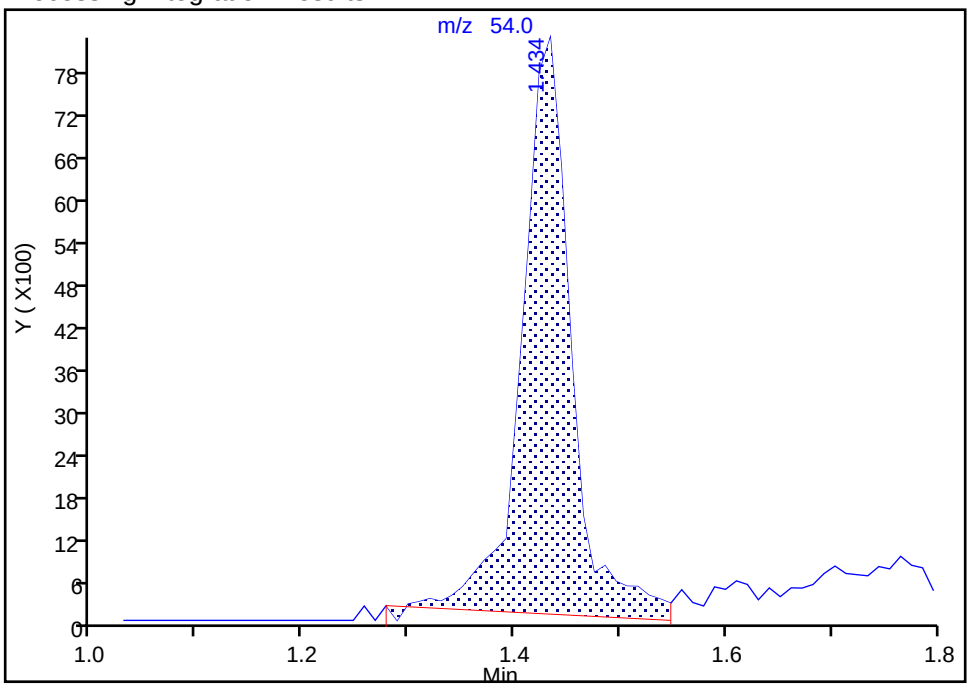
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9253.D
Injection Date: 17-Dec-2019 15:34:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

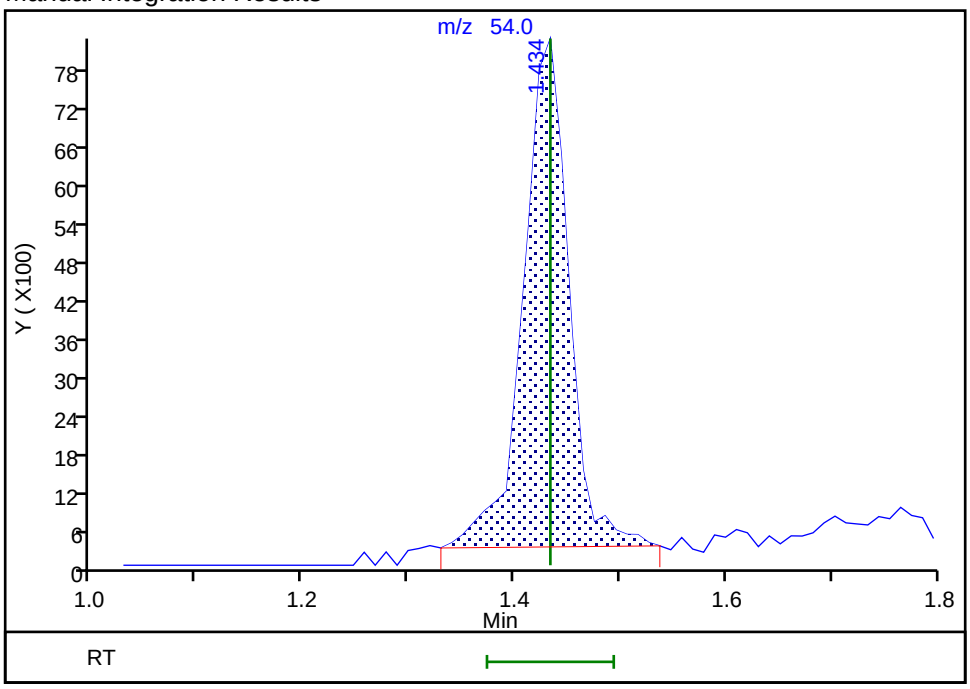
Processing Integration Results

RT: 1.43
Area: 26655
Amount: 2.304575
Amount Units: ug/L



Manual Integration Results

RT: 1.43
Area: 23875
Amount: 2.095700
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:36:59
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

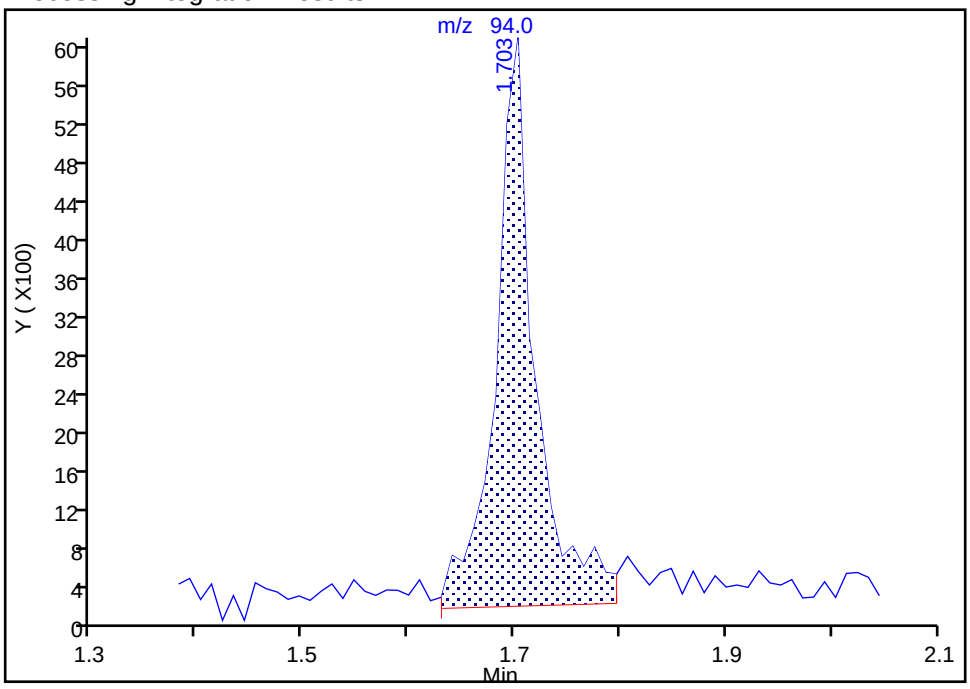
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9253.D
Injection Date: 17-Dec-2019 15:34:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

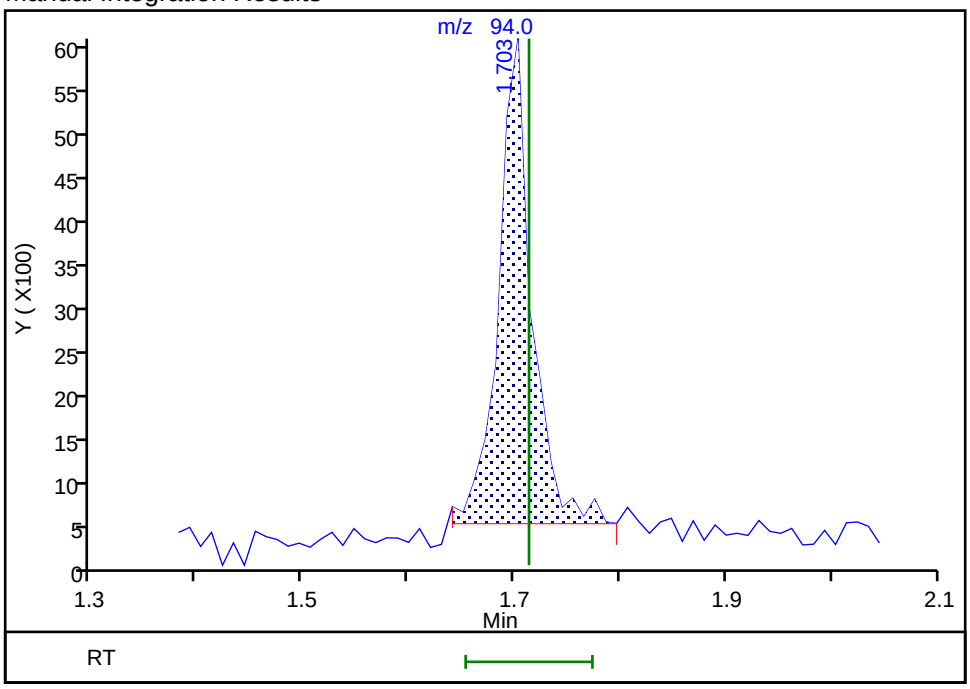
Processing Integration Results

RT: 1.70
Area: 15603
Amount: 2.127629
Amount Units: ug/L



Manual Integration Results

RT: 1.70
Area: 12268
Amount: 1.821994
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 16:05:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

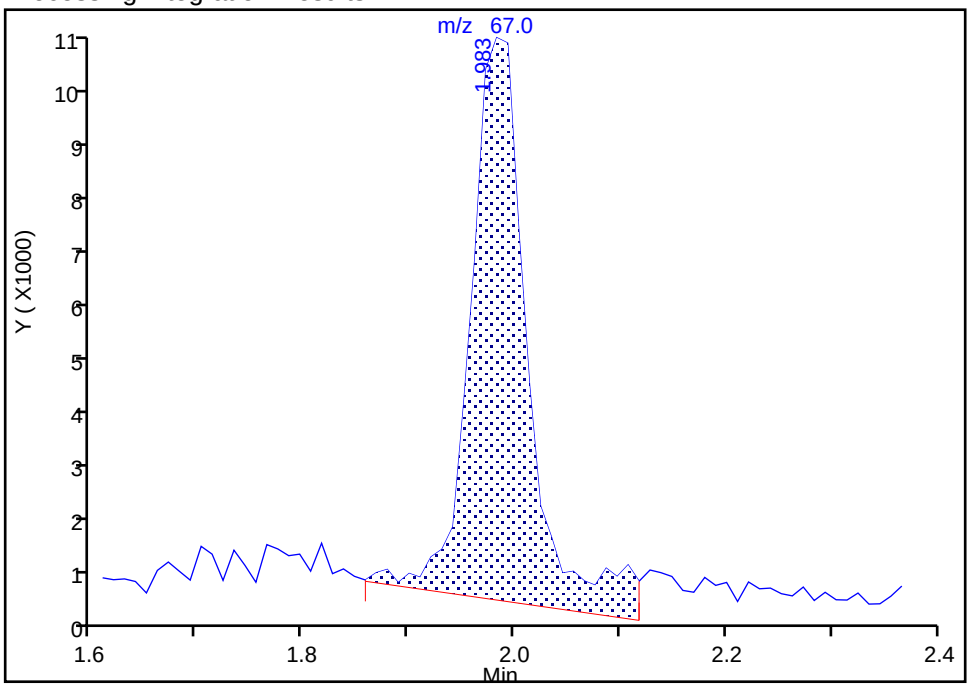
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9253.D
Injection Date: 17-Dec-2019 15:34:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

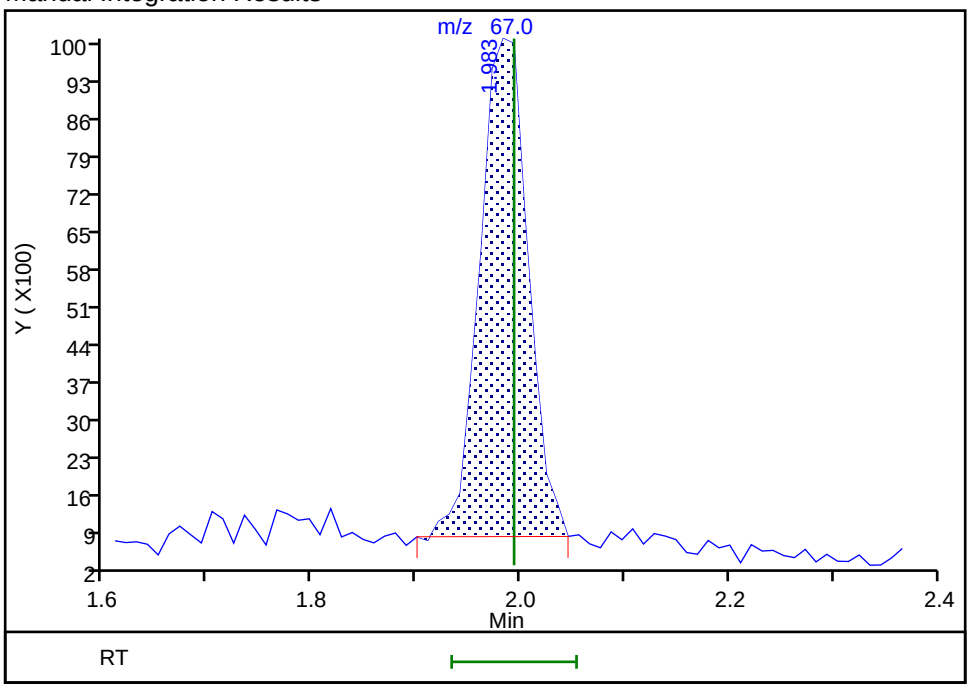
Processing Integration Results

RT: 1.98
Area: 37271
Amount: 2.340584
Amount Units: ug/L



Manual Integration Results

RT: 1.98
Area: 29864
Amount: 1.931586
Amount Units: ug/L



Reviewer: farrellr, 18-Dec-2019 08:36:42
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9254.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Dec-2019 15:58:30 ALS Bottle#: 6 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 3
Misc. Info.: 480-0086996-009
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2019 16:09:09 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: farrellr Date: 18-Dec-2019 08:38:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.802	4.791	0.011	98	161277	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	90	577173	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.958	8.957	0.001	96	329034	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.336	4.335	0.001	93	196140	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.584	4.584	0.000	0	258756	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	5.973	5.973	0.000	94	792108	25.0	25.9	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	231228	25.0	25.1	
11 Dichlorodifluoromethane	85	1.206	1.206	0.000	98	51394	5.00	5.12	
13 Chloromethane	50	1.372	1.372	0.000	99	70999	5.00	4.98	
151 Butadiene	54	1.444	1.434	0.010	93	62510	5.00	5.48	
14 Vinyl chloride	62	1.455	1.455	0.000	98	60318	5.00	5.05	
15 Bromomethane	94	1.714	1.714	0.000	93	33083	5.00	4.91	
16 Chloroethane	64	1.776	1.776	0.000	98	33185	5.00	4.89	
17 Trichlorofluoromethane	101	1.994	1.993	0.001	59	64143	5.00	5.10	
18 Dichlorofluoromethane	67	2.004	1.993	0.011	96	77883	5.00	5.03	
19 Ethyl ether	59	2.253	2.242	0.011	93	45029	5.00	4.90	
21 Acrolein	56	2.429	2.418	0.011	99	57392	25.0	24.5	
22 1,1-Dichloroethene	96	2.450	2.449	0.001	97	39233	5.00	5.09	
20 1,1,2-Trichloro-1,2,2-trif	101	2.460	2.449	0.011	57	40219	5.00	5.45	
23 Acetone	43	2.574	2.563	0.011	98	113931	25.0	26.6	
24 Iodomethane	142	2.605	2.605	0.000	99	71635	5.00	5.12	
25 Carbon disulfide	76	2.636	2.636	0.000	100	132308	5.00	5.16	
27 3-Chloro-1-propene	41	2.792	2.781	0.011	89	79300	5.00	5.08	
28 Methyl acetate	43	2.833	2.822	0.011	100	101909	10.0	10.0	
30 Methylene Chloride	84	2.926	2.916	0.010	98	57396	5.00	5.17	
31 2-Methyl-2-propanol	59	3.092	3.082	0.010	84	94440	50.0	50.5	
33 Methyl tert-butyl ether	73	3.113	3.102	0.011	97	130528	5.00	5.18	
32 trans-1,2-Dichloroethene	96	3.123	3.113	0.010	96	42977	5.00	5.18	
34 Acrylonitrile	53	3.175	3.175	0.000	99	265092	50.0	53.2	
35 Hexane	57	3.279	3.278	0.001	93	79960	5.00	5.25	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.486	3.475	0.011	96	80379	5.00	5.28	
39 Vinyl acetate	43	3.527	3.517	0.010	97	221590	10.0	9.87	
42 2,2-Dichloropropane	77	3.921	3.921	0.000	92	57122	5.00	4.85	
43 cis-1,2-Dichloroethene	96	3.952	3.952	0.000	82	46460	5.00	5.24	
44 2-Butanone (MEK)	43	3.973	3.973	0.000	99	161962	25.0	25.2	
47 Chlorobromomethane	128	4.149	4.139	0.010	95	24088	5.00	4.94	
48 Tetrahydrofuran	42	4.159	4.149	0.010	93	48875	10.0	9.76	
50 Chloroform	83	4.211	4.201	0.010	95	74080	5.00	5.16	
51 1,1,1-Trichloroethane	97	4.305	4.294	0.010	97	63371	5.00	5.30	
52 Cyclohexane	56	4.305	4.304	0.000	94	90541	5.00	5.21	
53 Carbon tetrachloride	117	4.408	4.408	0.000	92	52153	5.00	5.07	
54 1,1-Dichloropropene	75	4.419	4.418	0.000	93	58201	5.00	5.40	
55 Benzene	78	4.584	4.584	0.000	82	157924	5.00	5.08	
56 Isobutyl alcohol	43	4.605	4.595	0.010	95	90063	125.0	121.4	
57 1,2-Dichloroethane	62	4.636	4.636	0.000	97	61953	5.00	4.92	
59 n-Heptane	43	4.719	4.719	0.000	95	88447	5.00	5.37	
60 Trichloroethene	95	5.061	5.061	0.000	96	40807	5.00	4.96	
62 Methylcyclohexane	83	5.165	5.154	0.011	96	78073	5.00	5.42	
63 1,2-Dichloropropane	63	5.258	5.258	0.000	93	44804	5.00	5.16	
65 Dibromomethane	93	5.372	5.361	0.011	94	25406	5.00	4.76	
66 1,4-Dioxane	88	5.372	5.361	0.011	46	14852	100.0	109.1	
67 Dichlorobromomethane	83	5.486	5.486	0.000	94	45452	5.00	4.86	
69 2-Chloroethyl vinyl ether	63	5.693	5.693	0.000	94	33229	5.00	5.21	
71 cis-1,3-Dichloropropene	75	5.797	5.797	0.000	92	62352	5.00	4.97	
72 4-Methyl-2-pentanone (MIBK	43	5.911	5.911	0.000	97	336607	25.0	26.4	
73 Toluene	92	6.014	6.014	0.000	98	102151	5.00	5.21	
75 trans-1,3-Dichloropropene	75	6.232	6.232	0.000	97	58665	5.00	5.05	
77 Ethyl methacrylate	69	6.253	6.253	0.000	93	58832	5.00	5.08	
78 1,1,2-Trichloroethane	83	6.377	6.377	0.000	91	33790	5.00	5.51	
79 Tetrachloroethene	166	6.419	6.418	0.001	94	42236	5.00	5.29	
80 1,3-Dichloropropane	76	6.501	6.501	0.000	95	68131	5.00	5.26	
81 2-Hexanone	43	6.543	6.543	0.000	97	236070	25.0	25.6	
82 Chlorodibromomethane	129	6.678	6.678	0.000	91	34080	5.00	4.90	
83 Ethylene Dibromide	107	6.761	6.760	0.001	100	40368	5.00	5.22	
86 Chlorobenzene	112	7.113	7.113	0.000	96	118093	5.00	5.31	
88 Ethylbenzene	91	7.175	7.175	0.000	98	192875	5.00	5.31	
89 1,1,1,2-Tetrachloroethane	131	7.185	7.185	0.000	90	38318	5.00	5.28	
90 m-Xylene & p-Xylene	106	7.268	7.268	0.000	0	80125	5.00	5.44	
91 o-Xylene	106	7.590	7.589	0.001	96	76016	5.00	5.33	
92 Styrene	104	7.610	7.610	0.000	95	125610	5.00	5.27	
93 Bromoform	173	7.797	7.797	0.000	95	21462	5.00	4.79	
95 Isopropylbenzene	105	7.869	7.869	0.000	96	197543	5.00	5.27	
97 Bromobenzene	156	8.149	8.149	0.000	95	48139	5.00	5.05	
98 1,1,2,2-Tetrachloroethane	83	8.180	8.180	0.000	97	55397	5.00	5.01	
99 N-Propylbenzene	91	8.201	8.201	0.000	99	234620	5.00	5.30	
100 1,2,3-Trichloropropane	110	8.211	8.211	0.000	88	20592	5.00	5.38	
101 trans-1,4-Dichloro-2-buten	53	8.211	8.211	0.000	72	18954	5.00	5.31	
105 2-Chlorotoluene	126	8.284	8.284	0.000	97	47907	5.00	5.16	
104 1,3,5-Trimethylbenzene	105	8.336	8.336	0.000	95	168846	5.00	5.22	
102 4-Chlorotoluene	91	8.377	8.377	0.000	97	136572	5.00	4.91	
106 tert-Butylbenzene	134	8.595	8.595	0.000	93	38152	5.00	5.41	
107 1,2,4-Trimethylbenzene	105	8.647	8.647	0.001	97	171949	5.00	5.32	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.771	8.771	0.000	94	217743	5.00	5.33	
111 4-Isopropyltoluene	119	8.895	8.895	0.000	98	195370	5.00	5.28	
110 1,3-Dichlorobenzene	146	8.895	8.906	-0.011	98	97794	5.00	5.28	
113 1,4-Dichlorobenzene	146	8.978	8.978	0.000	94	99025	5.00	5.21	
115 n-Butylbenzene	91	9.227	9.227	0.000	98	166690	5.00	5.27	
116 1,2-Dichlorobenzene	146	9.289	9.289	0.000	97	96616	5.00	5.19	
117 1,2-Dibromo-3-Chloropropan	75	9.963	9.963	0.000	82	10643	5.00	4.74	
119 1,2,4-Trichlorobenzene	180	10.605	10.605	0.000	94	71973	5.00	5.15	
120 Hexachlorobutadiene	225	10.709	10.709	0.000	98	32414	5.00	5.16	
121 Naphthalene	128	10.823	10.812	0.011	97	221170	5.00	5.16	
122 1,2,3-Trichlorobenzene	180	11.009	11.009	0.000	96	72342	5.00	5.15	
S 126 Xylenes, Total	1				0			10.8	
S 124 1,2-Dichloroethene, Total	1				0			10.4	
S 125 Total BTEX	1				0			26.4	
S 123 1,3-Dichloropropene, Total	1				0			10.0	

Reagents:

8260 CORP mix_00175	Amount Added:	5.00	Units: uL	
GAS CORP mix_00375	Amount Added:	5.00	Units: uL	
T_8260_Surr_00203	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added:	1.00	Units: uL	Run Reagent

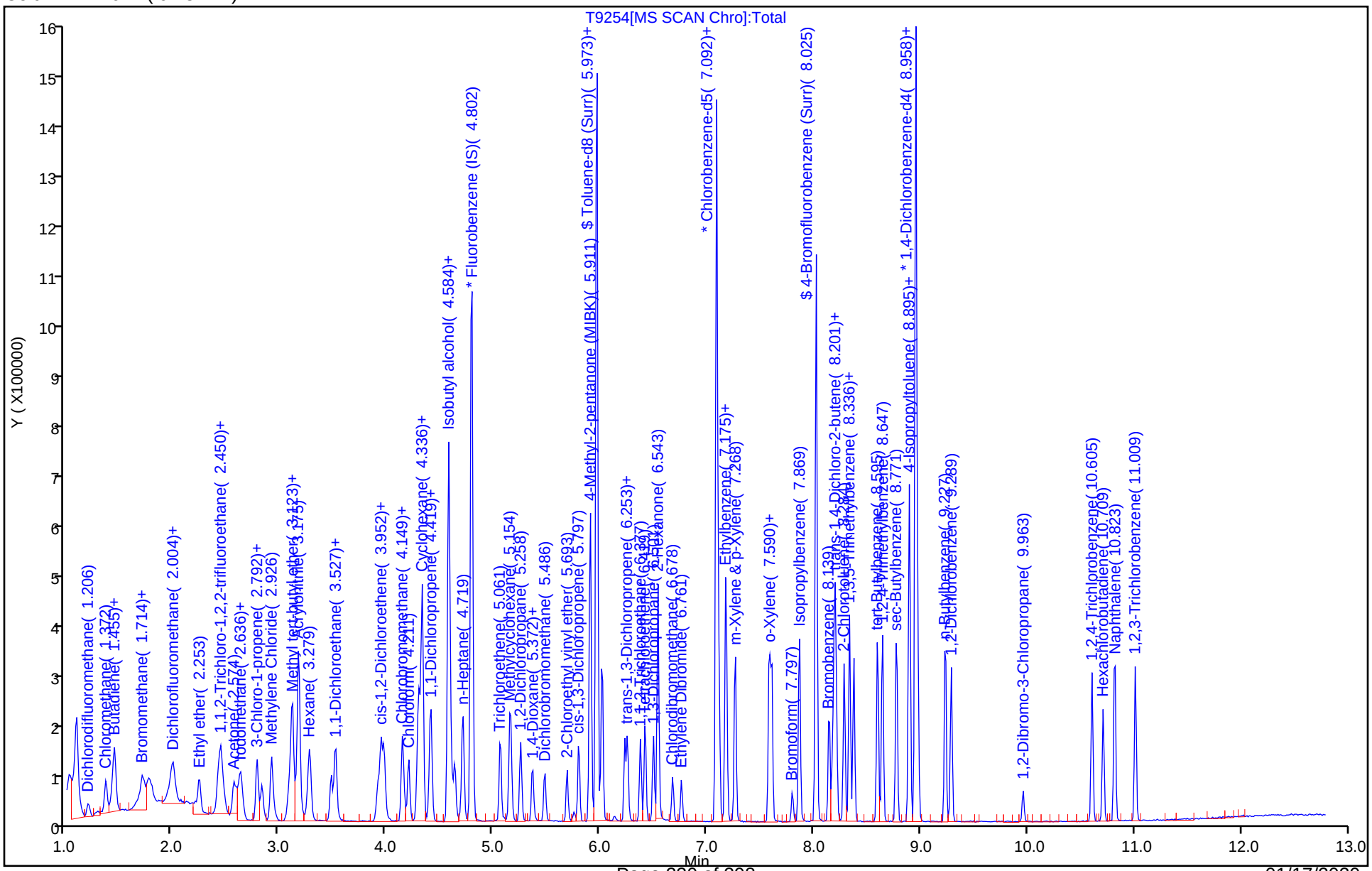
Report Date: 18-Dec-2019 16:09:11 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9254.D

Injection Date:	17-Dec-2019 15:58:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC 3			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9255.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Dec-2019 16:22:30 ALS Bottle#: 7 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 4
Misc. Info.: 480-0086996-010
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2019 16:09:15 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: farrellr Date: 18-Dec-2019 08:39:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.791	4.791	0.000	98	161616	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	87	599727	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.957	8.957	0.000	95	328551	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.335	4.335	0.000	93	197665	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.584	4.584	0.000	0	257100	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	5.973	5.973	0.000	94	782137	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	238382	25.0	24.9	
11 Dichlorodifluoromethane	85	1.206	1.206	0.000	99	98077	10.0	9.75	
13 Chloromethane	50	1.372	1.372	0.000	99	133611	10.0	9.35	
151 Butadiene	54	1.444	1.434	0.010	94	118446	10.0	10.4	
14 Vinyl chloride	62	1.455	1.455	0.000	98	116799	10.0	9.77	
15 Bromomethane	94	1.714	1.714	0.000	92	58353	10.0	8.64	
16 Chloroethane	64	1.765	1.776	-0.011	99	63805	10.0	9.38	
17 Trichlorofluoromethane	101	1.993	1.993	0.000	58	126334	10.0	10.0	
18 Dichlorofluoromethane	67	1.993	1.993	0.000	96	151755	10.0	9.79	
19 Ethyl ether	59	2.242	2.242	0.000	96	90056	10.0	9.79	
21 Acrolein	56	2.418	2.418	0.000	99	110237	50.0	47.0	
22 1,1-Dichloroethene	96	2.439	2.449	-0.010	94	70493	10.0	9.12	
20 1,1,2-Trichloro-1,2,2-trif	101	2.439	2.449	-0.010	58	73700	10.0	9.97	
23 Acetone	43	2.563	2.563	0.000	99	212992	50.0	49.7	
24 Iodomethane	142	2.605	2.605	0.000	100	139848	10.0	9.98	
25 Carbon disulfide	76	2.636	2.636	0.000	100	249151	10.0	9.70	
27 3-Chloro-1-propene	41	2.781	2.781	0.000	89	152191	10.0	9.73	
28 Methyl acetate	43	2.833	2.822	0.011	99	192695	20.0	18.9	
30 Methylene Chloride	84	2.926	2.916	0.010	99	95048	10.0	9.57	
31 2-Methyl-2-propanol	59	3.092	3.082	0.010	88	187494	100.0	100.0	
33 Methyl tert-butyl ether	73	3.113	3.102	0.011	98	253743	10.0	10.0	
32 trans-1,2-Dichloroethene	96	3.113	3.113	0.000	95	82620	10.0	9.94	
34 Acrylonitrile	53	3.175	3.175	0.000	98	491475	100.0	98.5	
35 Hexane	57	3.278	3.278	0.000	94	141765	10.0	9.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.475	3.475	0.000	96	150639	10.0	9.88	
39 Vinyl acetate	43	3.517	3.517	0.000	97	442862	20.0	19.7	
42 2,2-Dichloropropane	77	3.921	3.921	0.000	94	112212	10.0	9.52	
43 cis-1,2-Dichloroethene	96	3.952	3.952	0.000	84	85893	10.0	9.66	
44 2-Butanone (MEK)	43	3.973	3.973	0.000	99	326931	50.0	50.8	
47 Chlorobromomethane	128	4.149	4.139	0.010	97	48821	10.0	9.98	
48 Tetrahydrofuran	42	4.149	4.149	0.000	93	93740	20.0	18.7	
50 Chloroform	83	4.201	4.201	0.000	94	134713	10.0	9.37	
51 1,1,1-Trichloroethane	97	4.294	4.294	0.000	95	112235	10.0	9.37	
52 Cyclohexane	56	4.304	4.304	0.000	94	169908	10.0	9.76	
53 Carbon tetrachloride	117	4.408	4.408	0.000	96	101871	10.0	9.87	
54 1,1-Dichloropropene	75	4.418	4.418	0.000	91	107830	10.0	9.99	
55 Benzene	78	4.584	4.584	0.000	92	302852	10.0	9.72	
56 Isobutyl alcohol	43	4.595	4.595	0.000	95	178901	250.0	240.6	
57 1,2-Dichloroethane	62	4.636	4.636	0.000	96	125350	10.0	9.93	
59 n-Heptane	43	4.719	4.719	0.000	96	159616	10.0	9.66	
60 Trichloroethene	95	5.061	5.061	0.000	96	79307	10.0	9.62	
62 Methylcyclohexane	83	5.154	5.154	0.000	95	139354	10.0	9.66	
63 1,2-Dichloropropane	63	5.258	5.258	0.000	93	85063	10.0	9.77	
65 Dibromomethane	93	5.361	5.361	0.000	96	51467	10.0	9.62	
66 1,4-Dioxane	88	5.372	5.361	0.011	49	29279	200.0	206.9	
67 Dichlorobromomethane	83	5.475	5.486	-0.011	97	91683	10.0	9.78	
69 2-Chloroethyl vinyl ether	63	5.693	5.693	0.000	91	65460	10.0	10.2	
71 cis-1,3-Dichloropropene	75	5.797	5.797	0.000	92	127814	10.0	10.2	
72 4-Methyl-2-pentanone (MIBK	43	5.911	5.911	0.000	98	658741	50.0	49.7	
73 Toluene	92	6.014	6.014	0.000	98	200568	10.0	9.84	
75 trans-1,3-Dichloropropene	75	6.232	6.232	0.000	97	119494	10.0	9.91	
77 Ethyl methacrylate	69	6.253	6.253	0.000	95	116403	10.0	9.67	
78 1,1,2-Trichloroethane	83	6.377	6.377	0.000	92	62697	10.0	9.83	
79 Tetrachloroethene	166	6.418	6.418	0.000	96	85173	10.0	10.3	
80 1,3-Dichloropropane	76	6.501	6.501	0.000	96	132167	10.0	9.81	
81 2-Hexanone	43	6.543	6.543	0.000	98	480957	50.0	50.1	
82 Chlorodibromomethane	129	6.678	6.678	0.000	90	71885	10.0	9.95	
83 Ethylene Dibromide	107	6.760	6.760	0.000	97	79426	10.0	9.88	
86 Chlorobenzene	112	7.113	7.113	0.000	95	227682	10.0	9.85	
88 Ethylbenzene	91	7.175	7.175	0.000	99	375375	10.0	9.94	
89 1,1,1,2-Tetrachloroethane	131	7.185	7.185	0.000	94	74097	10.0	9.83	
90 m-Xylene & p-Xylene	106	7.268	7.268	0.000	0	151177	10.0	9.87	
91 o-Xylene	106	7.589	7.589	0.000	96	147171	10.0	9.92	
92 Styrene	104	7.610	7.610	0.000	95	240670	10.0	9.71	
93 Bromoform	173	7.797	7.797	0.000	95	42728	10.0	9.17	
95 Isopropylbenzene	105	7.869	7.869	0.000	96	378298	10.0	10.1	
97 Bromobenzene	156	8.149	8.149	0.000	94	95510	10.0	10.0	
98 1,1,2,2-Tetrachloroethane	83	8.180	8.180	0.000	96	110966	10.0	10.0	
99 N-Propylbenzene	91	8.201	8.201	0.000	99	439652	10.0	9.95	
100 1,2,3-Trichloropropane	110	8.211	8.211	0.000	89	37962	10.0	9.94	
101 trans-1,4-Dichloro-2-buten	53	8.211	8.211	0.000	77	35404	10.0	9.93	
105 2-Chlorotoluene	126	8.284	8.284	0.000	97	93392	10.0	10.1	
104 1,3,5-Trimethylbenzene	105	8.336	8.336	0.000	95	321599	10.0	9.96	
102 4-Chlorotoluene	91	8.377	8.377	0.000	97	270179	10.0	9.74	
106 tert-Butylbenzene	134	8.595	8.595	0.000	92	70304	10.0	9.98	
107 1,2,4-Trimethylbenzene	105	8.647	8.647	0.000	97	336767	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.771	8.771	0.000	94	410782	10.0	10.1	
111 4-Isopropyltoluene	119	8.895	8.895	0.000	98	374881	10.0	10.1	
110 1,3-Dichlorobenzene	146	8.906	8.906	0.000	99	184507	10.0	9.98	
113 1,4-Dichlorobenzene	146	8.978	8.978	0.000	94	191598	10.0	10.1	
115 n-Butylbenzene	91	9.227	9.227	0.000	98	318858	10.0	10.1	
116 1,2-Dichlorobenzene	146	9.289	9.289	0.000	97	185939	10.0	10.0	
117 1,2-Dibromo-3-Chloropropan	75	9.963	9.963	0.000	82	23217	10.0	10.4	
119 1,2,4-Trichlorobenzene	180	10.605	10.605	0.000	95	137988	10.0	9.89	
120 Hexachlorobutadiene	225	10.709	10.709	0.000	97	62041	10.0	9.90	
121 Naphthalene	128	10.812	10.812	0.000	98	428522	10.0	10.0	
122 1,2,3-Trichlorobenzene	180	11.009	11.009	0.000	95	139714	10.0	9.96	
S 126 Xylenes, Total	1				0			19.8	
S 124 1,2-Dichloroethene, Total	1				0			19.6	
S 125 Total BTEX	1				0			49.3	
S 123 1,3-Dichloropropene, Total	1				0			20.1	

Reagents:

8260 CORP mix_00175	Amount Added:	5.00	Units: uL	
GAS CORP mix_00375	Amount Added:	5.00	Units: uL	
T_8260_Surr_00203	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added:	1.00	Units: uL	Run Reagent

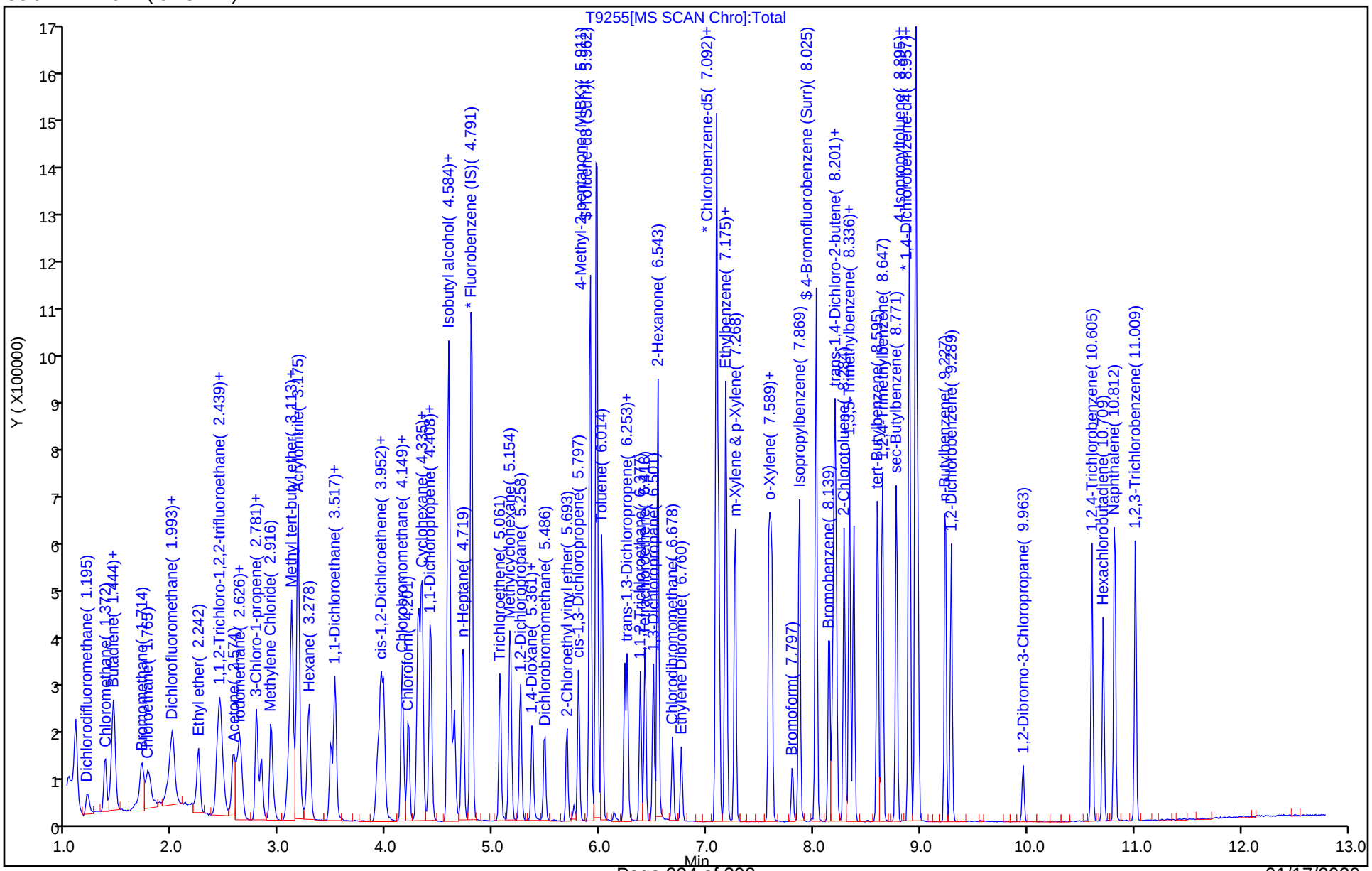
Report Date: 18-Dec-2019 16:09:19 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9255.D

Injection Date:	17-Dec-2019 16:22:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC 4			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9256.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 17-Dec-2019 16:46:30 ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: icis 5
Misc. Info.: 480-0086996-011
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2019 16:09:23 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: farrellr Date: 18-Dec-2019 10:02:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.791	4.791	0.000	98	162172	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	87	592484	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.957	8.957	0.000	95	337313	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.335	4.335	0.000	95	200370	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.584	4.584	0.000	0	258725	25.0	24.8	
$ 6 Toluene-d8 (Surr)	98	5.973	5.973	0.000	94	789760	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	235174	25.0	24.9	
11 Dichlorodifluoromethane	85	1.206	1.206	0.000	98	261468	25.0	25.9	
13 Chloromethane	50	1.372	1.372	0.000	99	363110	25.0	25.3	
151 Butadiene	54	1.434	1.434	0.000	94	309518	25.0	27.0	
14 Vinyl chloride	62	1.455	1.455	0.000	98	311447	25.0	26.0	
15 Bromomethane	94	1.714	1.714	0.000	90	172924	25.0	25.5	
16 Chloroethane	64	1.776	1.776	0.000	99	176661	25.0	25.9	
17 Trichlorofluoromethane	101	1.993	1.993	0.000	65	337582	25.0	26.7	
18 Dichlorofluoromethane	67	1.993	1.993	0.000	96	407938	25.0	26.2	
19 Ethyl ether	59	2.242	2.242	0.000	96	225406	25.0	24.4	
21 Acrolein	56	2.418	2.418	0.000	100	285360	125.0	121.3	
22 1,1-Dichloroethene	96	2.449	2.449	0.000	95	190027	25.0	24.5	
20 1,1,2-Trichloro-1,2,2-trif	101	2.449	2.449	0.000	59	205228	25.0	27.7	
23 Acetone	43	2.563	2.563	0.000	99	557792	125.0	129.7	
24 Iodomethane	142	2.605	2.605	0.000	100	370639	25.0	26.4	
25 Carbon disulfide	76	2.636	2.636	0.000	100	684697	25.0	26.6	
27 3-Chloro-1-propene	41	2.781	2.781	0.000	89	412715	25.0	26.3	
28 Methyl acetate	43	2.822	2.822	0.000	99	512580	50.0	50.0	
30 Methylene Chloride	84	2.916	2.916	0.000	98	233347	25.0	25.7	
31 2-Methyl-2-propanol	59	3.082	3.082	0.000	99	505483	250.0	268.5	
33 Methyl tert-butyl ether	73	3.102	3.102	0.000	98	676288	25.0	26.7	
32 trans-1,2-Dichloroethene	96	3.113	3.113	0.000	95	213689	25.0	25.6	
34 Acrylonitrile	53	3.175	3.175	0.000	97	1337745	250.0	267.2	
35 Hexane	57	3.278	3.278	0.000	95	387912	25.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.475	3.475	0.000	96	406264	25.0	26.6	
39 Vinyl acetate	43	3.517	3.517	0.000	97	1220501	50.0	54.1	
42 2,2-Dichloropropane	77	3.921	3.921	0.000	93	307105	25.0	26.0	
43 cis-1,2-Dichloroethene	96	3.952	3.952	0.000	84	237321	25.0	26.6	
44 2-Butanone (MEK)	43	3.973	3.973	0.000	99	848799	125.0	131.4	
47 Chlorobromomethane	128	4.139	4.139	0.000	97	127658	25.0	26.0	
48 Tetrahydrofuran	42	4.149	4.149	0.000	92	244351	50.0	48.5	
50 Chloroform	83	4.201	4.201	0.000	95	362879	25.0	25.1	
51 1,1,1-Trichloroethane	97	4.294	4.294	0.000	98	318811	25.0	26.5	
52 Cyclohexane	56	4.304	4.304	0.000	95	458779	25.0	26.3	
53 Carbon tetrachloride	117	4.408	4.408	0.000	98	278439	25.0	26.9	
54 1,1-Dichloropropene	75	4.418	4.418	0.000	94	289799	25.0	26.8	
55 Benzene	78	4.584	4.584	0.000	96	815436	25.0	26.1	
56 Isobutyl alcohol	43	4.595	4.595	0.000	94	515806	625.0	691.4	
57 1,2-Dichloroethane	62	4.636	4.636	0.000	97	334444	25.0	26.4	
59 n-Heptane	43	4.719	4.719	0.000	95	416925	25.0	25.2	
60 Trichloroethene	95	5.061	5.061	0.000	96	216002	25.0	26.1	
62 Methylcyclohexane	83	5.154	5.154	0.000	96	389091	25.0	26.9	
63 1,2-Dichloropropane	63	5.258	5.258	0.000	94	233514	25.0	26.7	
65 Dibromomethane	93	5.361	5.361	0.000	96	140747	25.0	26.2	
66 1,4-Dioxane	88	5.361	5.361	0.000	49	77600	500.0	555.1	
67 Dichlorobromomethane	83	5.486	5.486	0.000	98	250118	25.0	26.6	
69 2-Chloroethyl vinyl ether	63	5.693	5.693	0.000	93	174292	25.0	27.2	
71 cis-1,3-Dichloropropene	75	5.797	5.797	0.000	93	345963	25.0	27.4	
72 4-Methyl-2-pentanone (MIBK	43	5.911	5.911	0.000	98	1795258	125.0	137.1	
73 Toluene	92	6.014	6.014	0.000	98	527790	25.0	26.2	
75 trans-1,3-Dichloropropene	75	6.232	6.232	0.000	96	326891	25.0	27.4	
77 Ethyl methacrylate	69	6.253	6.253	0.000	93	323261	25.0	27.2	
78 1,1,2-Trichloroethane	83	6.377	6.377	0.000	92	166573	25.0	26.4	
79 Tetrachloroethene	166	6.418	6.418	0.000	96	225492	25.0	27.5	
80 1,3-Dichloropropane	76	6.501	6.501	0.000	97	345377	25.0	26.0	
81 2-Hexanone	43	6.543	6.543	0.000	98	1306180	125.0	137.7	
82 Chlorodibromomethane	129	6.678	6.678	0.000	90	204472	25.0	28.7	
83 Ethylene Dibromide	107	6.760	6.760	0.000	99	215170	25.0	27.1	
86 Chlorobenzene	112	7.113	7.113	0.000	95	609828	25.0	26.7	
88 Ethylbenzene	91	7.175	7.175	0.000	98	987000	25.0	26.5	
89 1,1,1,2-Tetrachloroethane	131	7.185	7.185	0.000	94	206355	25.0	27.7	
90 m-Xylene & p-Xylene	106	7.268	7.268	0.000	0	407019	25.0	26.9	
91 o-Xylene	106	7.589	7.589	0.000	97	397257	25.0	27.1	
92 Styrene	104	7.610	7.610	0.000	96	659141	25.0	26.9	
93 Bromoform	173	7.797	7.797	0.000	96	127462	25.0	27.7	
95 Isopropylbenzene	105	7.869	7.869	0.000	96	1009049	25.0	26.3	
97 Bromobenzene	156	8.149	8.149	0.000	94	255719	25.0	26.1	
98 1,1,2,2-Tetrachloroethane	83	8.180	8.180	0.000	96	294984	25.0	26.0	
99 N-Propylbenzene	91	8.201	8.201	0.000	99	1200804	25.0	26.5	
100 1,2,3-Trichloropropane	110	8.211	8.211	0.000	88	100927	25.0	25.7	
101 trans-1,4-Dichloro-2-buten	53	8.211	8.211	0.000	79	101693	25.0	27.8	
105 2-Chlorotoluene	126	8.284	8.284	0.000	97	253233	25.0	26.6	
104 1,3,5-Trimethylbenzene	105	8.336	8.336	0.000	96	873657	25.0	26.4	
102 4-Chlorotoluene	91	8.377	8.377	0.000	97	737746	25.0	25.9	
106 tert-Butylbenzene	134	8.595	8.595	0.000	93	192565	25.0	26.6	
107 1,2,4-Trimethylbenzene	105	8.647	8.647	0.000	97	894695	25.0	27.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.771	8.771	0.000	95	1123965	25.0	26.9	
111 4-Isopropyltoluene	119	8.895	8.895	0.000	97	1017105	25.0	26.8	
110 1,3-Dichlorobenzene	146	8.906	8.906	0.000	99	500807	25.0	26.4	
113 1,4-Dichlorobenzene	146	8.978	8.978	0.000	94	501269	25.0	25.7	
115 n-Butylbenzene	91	9.227	9.227	0.000	98	878775	25.0	27.1	
116 1,2-Dichlorobenzene	146	9.289	9.289	0.000	97	495123	25.0	26.0	
117 1,2-Dibromo-3-Chloropropan	75	9.963	9.963	0.000	84	60584	25.0	26.3	
119 1,2,4-Trichlorobenzene	180	10.605	10.605	0.000	95	373161	25.0	26.0	
120 Hexachlorobutadiene	225	10.709	10.709	0.000	98	169130	25.0	26.3	
121 Naphthalene	128	10.812	10.812	0.000	98	1167107	25.0	26.6	
122 1,2,3-Trichlorobenzene	180	11.009	11.009	0.000	96	379461	25.0	26.4	

Reagents:

8260 CORP mix_00175	Amount Added: 12.50	Units: uL	
GAS CORP mix_00375	Amount Added: 12.50	Units: uL	
T_8260_Surr_00203	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added: 1.00	Units: uL	Run Reagent

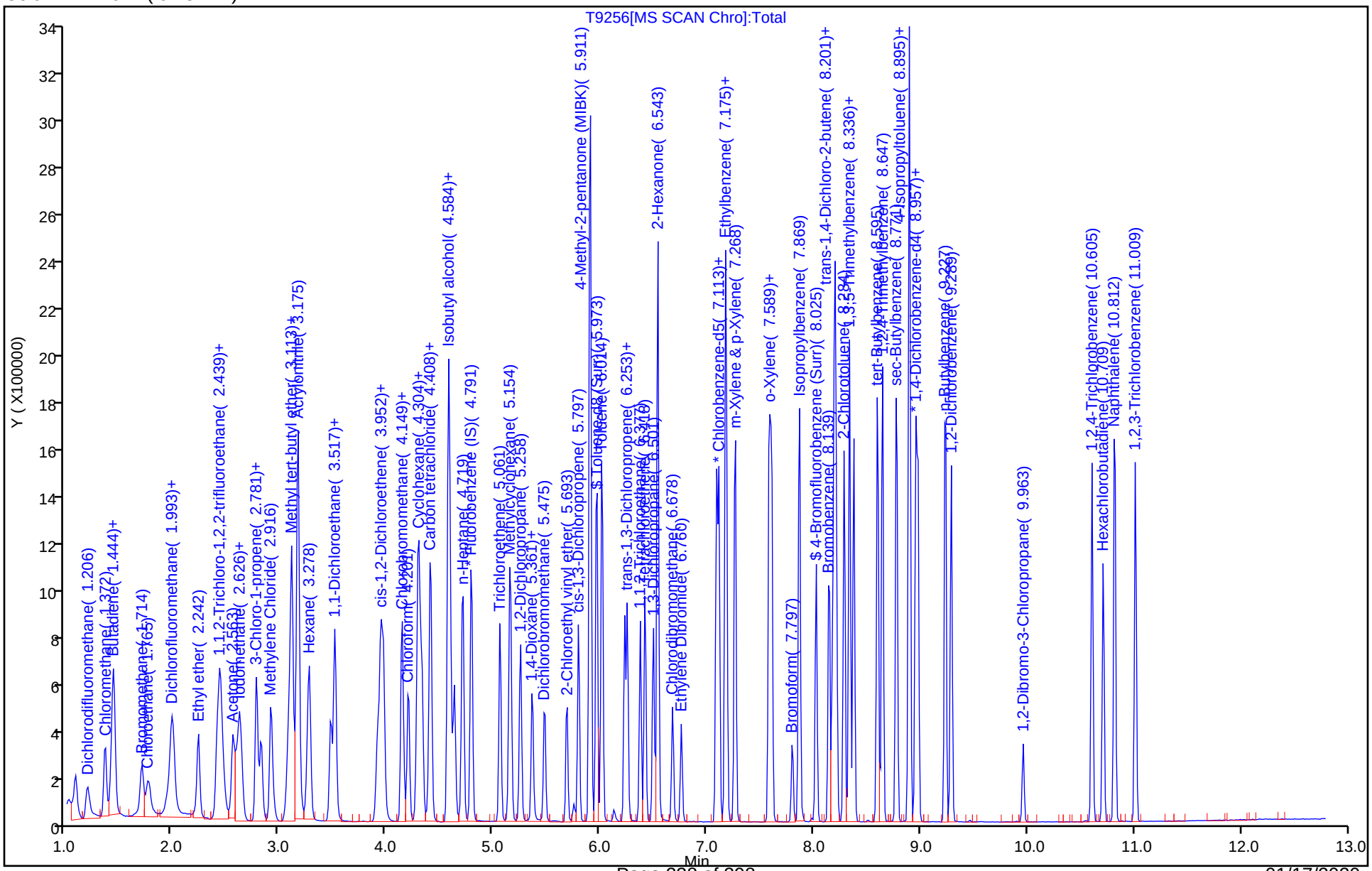
Report Date: 18-Dec-2019 16:09:25 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9256.D

Injection Date:	17-Dec-2019 16:46:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	ICIS 5			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9257.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Dec-2019 17:11:30 ALS Bottle#: 9 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 6
Misc. Info.: 480-0086996-012
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2019 16:09:30 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: farrellr Date: 18-Dec-2019 08:40:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.802	4.791	0.011	99	159374	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	86	593392	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.957	8.957	0.000	95	328532	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.336	4.335	0.001	94	203876	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.584	4.584	0.000	0	257505	25.0	25.1	
$ 6 Toluene-d8 (Surr)	98	5.973	5.973	0.000	94	779857	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	237430	25.0	25.1	
11 Dichlorodifluoromethane	85	1.206	1.206	0.000	99	475543	50.0	47.9	
13 Chloromethane	50	1.372	1.372	0.000	99	678665	50.0	48.1	
151 Butadiene	54	1.444	1.434	0.010	93	546830	50.0	48.5	
14 Vinyl chloride	62	1.455	1.455	0.000	98	565231	50.0	47.9	
15 Bromomethane	94	1.714	1.714	0.000	91	326858	50.0	49.1	
16 Chloroethane	64	1.776	1.776	0.000	99	333892	50.0	49.8	
17 Trichlorofluoromethane	101	2.004	1.993	0.011	57	619973	50.0	49.9	
18 Dichlorofluoromethane	67	2.004	1.993	0.011	96	749604	50.0	49.0	
19 Ethyl ether	59	2.242	2.242	0.000	95	424992	50.0	46.8	
21 Acrolein	56	2.418	2.418	0.000	99	532600	250.0	230.4	
22 1,1-Dichloroethene	96	2.450	2.449	0.001	95	356536	50.0	46.8	
20 1,1,2-Trichloro-1,2,2-trif	101	2.450	2.449	0.001	60	374804	50.0	51.4	
23 Acetone	43	2.564	2.563	0.001	99	1007502	250.0	238.3	
24 Iodomethane	142	2.605	2.605	0.000	100	705381	50.0	51.1	
25 Carbon disulfide	76	2.636	2.636	0.000	100	1280359	50.0	50.6	
27 3-Chloro-1-propene	41	2.781	2.781	0.000	90	780348	50.0	50.6	
28 Methyl acetate	43	2.833	2.822	0.011	99	994397	100.0	98.8	
30 Methylene Chloride	84	2.926	2.916	0.010	99	433062	50.0	49.9	
31 2-Methyl-2-propanol	59	3.082	3.082	0.000	99	969878	500.0	524.3	
33 Methyl tert-butyl ether	73	3.113	3.102	0.011	99	1279141	50.0	51.3	
32 trans-1,2-Dichloroethene	96	3.113	3.113	0.000	95	405770	50.0	49.5	
34 Acrylonitrile	53	3.175	3.175	0.000	98	2405095	500.0	488.9	
35 Hexane	57	3.279	3.278	0.001	94	707775	50.0	47.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.486	3.475	0.011	97	766838	50.0	51.0	
39 Vinyl acetate	43	3.517	3.517	0.000	97	2357253	100.0	106.3	
42 2,2-Dichloropropane	77	3.921	3.921	0.000	93	576074	50.0	49.5	
43 cis-1,2-Dichloroethene	96	3.952	3.952	0.000	83	436882	50.0	49.8	
44 2-Butanone (MEK)	43	3.973	3.973	0.000	99	1651575	250.0	260.2	
47 Chlorobromomethane	128	4.149	4.139	0.010	97	243202	50.0	50.4	
48 Tetrahydrofuran	42	4.149	4.149	0.000	92	459588	100.0	92.9	
50 Chloroform	83	4.211	4.201	0.010	95	698166	50.0	49.2	
51 1,1,1-Trichloroethane	97	4.304	4.294	0.010	98	608320	50.0	51.5	
52 Cyclohexane	56	4.304	4.304	0.000	94	850774	50.0	49.5	
53 Carbon tetrachloride	117	4.408	4.408	0.000	98	529163	50.0	52.0	
54 1,1-Dichloropropene	75	4.418	4.418	0.000	93	539703	50.0	50.7	
55 Benzene	78	4.584	4.584	0.000	97	1541179	50.0	50.2	
56 Isobutyl alcohol	43	4.595	4.595	0.000	94	968585	1250.0	1321.1	
57 1,2-Dichloroethane	62	4.636	4.636	0.000	97	625711	50.0	50.3	
59 n-Heptane	43	4.719	4.719	0.000	95	791137	50.0	48.6	
60 Trichloroethene	95	5.061	5.061	0.000	96	407355	50.0	50.1	
62 Methylcyclohexane	83	5.165	5.154	0.011	95	707436	50.0	49.7	
63 1,2-Dichloropropane	63	5.258	5.258	0.000	93	436596	50.0	50.9	
65 Dibromomethane	93	5.362	5.361	0.001	95	264259	50.0	50.1	
66 1,4-Dioxane	88	5.362	5.361	0.001	48	141345	1000.0	1009.6	
67 Dichlorobromomethane	83	5.486	5.486	0.000	98	499906	50.0	54.1	
69 2-Chloroethyl vinyl ether	63	5.693	5.693	0.000	94	340551	50.0	54.0	
71 cis-1,3-Dichloropropene	75	5.797	5.797	0.000	93	660643	50.0	53.3	
72 4-Methyl-2-pentanone (MIBK	43	5.911	5.911	0.000	98	3387933	250.0	258.3	
73 Toluene	92	6.014	6.014	0.000	98	987337	50.0	49.0	
75 trans-1,3-Dichloropropene	75	6.232	6.232	0.000	97	634413	50.0	53.1	
77 Ethyl methacrylate	69	6.253	6.253	0.000	94	622355	50.0	52.3	
78 1,1,2-Trichloroethane	83	6.377	6.377	0.000	92	327584	50.0	51.9	
79 Tetrachloroethene	166	6.419	6.418	0.001	96	424105	50.0	51.6	
80 1,3-Dichloropropane	76	6.501	6.501	0.000	96	672092	50.0	50.4	
81 2-Hexanone	43	6.543	6.543	0.000	98	2500920	250.0	263.3	
82 Chlorodibromomethane	129	6.678	6.678	0.000	90	403358	50.0	56.4	
83 Ethylene Dibromide	107	6.761	6.760	0.001	98	417149	50.0	52.4	
86 Chlorobenzene	112	7.113	7.113	0.000	95	1162153	50.0	50.8	
88 Ethylbenzene	91	7.175	7.175	0.000	98	1863816	50.0	49.9	
89 1,1,1,2-Tetrachloroethane	131	7.185	7.185	0.000	95	407783	50.0	54.7	
90 m-Xylene & p-Xylene	106	7.268	7.268	0.000	0	764872	50.0	50.5	
91 o-Xylene	106	7.579	7.589	-0.010	98	743392	50.0	50.7	
92 Styrene	104	7.610	7.610	0.000	96	1261964	50.0	51.5	
93 Bromoform	173	7.797	7.797	0.000	96	266164	50.0	57.8	
95 Isopropylbenzene	105	7.869	7.869	0.000	96	1908529	50.0	51.0	
97 Bromobenzene	156	8.149	8.149	0.000	94	484428	50.0	50.9	
98 1,1,2,2-Tetrachloroethane	83	8.180	8.180	0.000	96	578511	50.0	52.4	
99 N-Propylbenzene	91	8.201	8.201	0.000	98	2246049	50.0	50.8	
100 1,2,3-Trichloropropane	110	8.211	8.211	0.000	88	191319	50.0	50.1	
101 trans-1,4-Dichloro-2-buten	53	8.211	8.211	0.000	79	203027	50.0	57.0	
105 2-Chlorotoluene	126	8.284	8.284	0.000	97	473635	50.0	51.1	
104 1,3,5-Trimethylbenzene	105	8.336	8.336	0.000	97	1638019	50.0	50.7	
102 4-Chlorotoluene	91	8.377	8.377	0.000	97	1395084	50.0	50.3	
106 tert-Butylbenzene	134	8.595	8.595	0.000	93	362439	50.0	51.5	
107 1,2,4-Trimethylbenzene	105	8.647	8.647	0.001	97	1692687	50.0	52.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.771	8.771	0.000	95	2103906	50.0	51.6	
111 4-Isopropyltoluene	119	8.895	8.895	0.000	98	1913335	50.0	51.8	
110 1,3-Dichlorobenzene	146	8.895	8.906	-0.011	98	940077	50.0	50.8	
113 1,4-Dichlorobenzene	146	8.978	8.978	0.000	95	963313	50.0	50.8	
115 n-Butylbenzene	91	9.227	9.227	0.000	98	1642832	50.0	52.0	
116 1,2-Dichlorobenzene	146	9.289	9.289	0.000	97	945280	50.0	50.9	
117 1,2-Dibromo-3-Chloropropan	75	9.963	9.963	0.000	84	120816	50.0	53.9	
119 1,2,4-Trichlorobenzene	180	10.605	10.605	0.000	95	719743	50.0	51.6	
120 Hexachlorobutadiene	225	10.709	10.709	0.000	98	327075	50.0	52.2	
121 Naphthalene	128	10.823	10.812	0.011	97	2211790	50.0	51.7	
122 1,2,3-Trichlorobenzene	180	11.009	11.009	0.000	96	720521	50.0	51.4	
S 126 Xylenes, Total	1				0			101.1	
S 124 1,2-Dichloroethene, Total	1				0			99.3	
S 125 Total BTEX	1				0			250.2	
S 123 1,3-Dichloropropene, Total	1				0			106.4	

Reagents:

8260 CORP mix_00175	Amount Added: 25.00	Units: uL	
GAS CORP mix_00375	Amount Added: 25.00	Units: uL	
T_8260_Surr_00203	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added: 1.00	Units: uL	Run Reagent

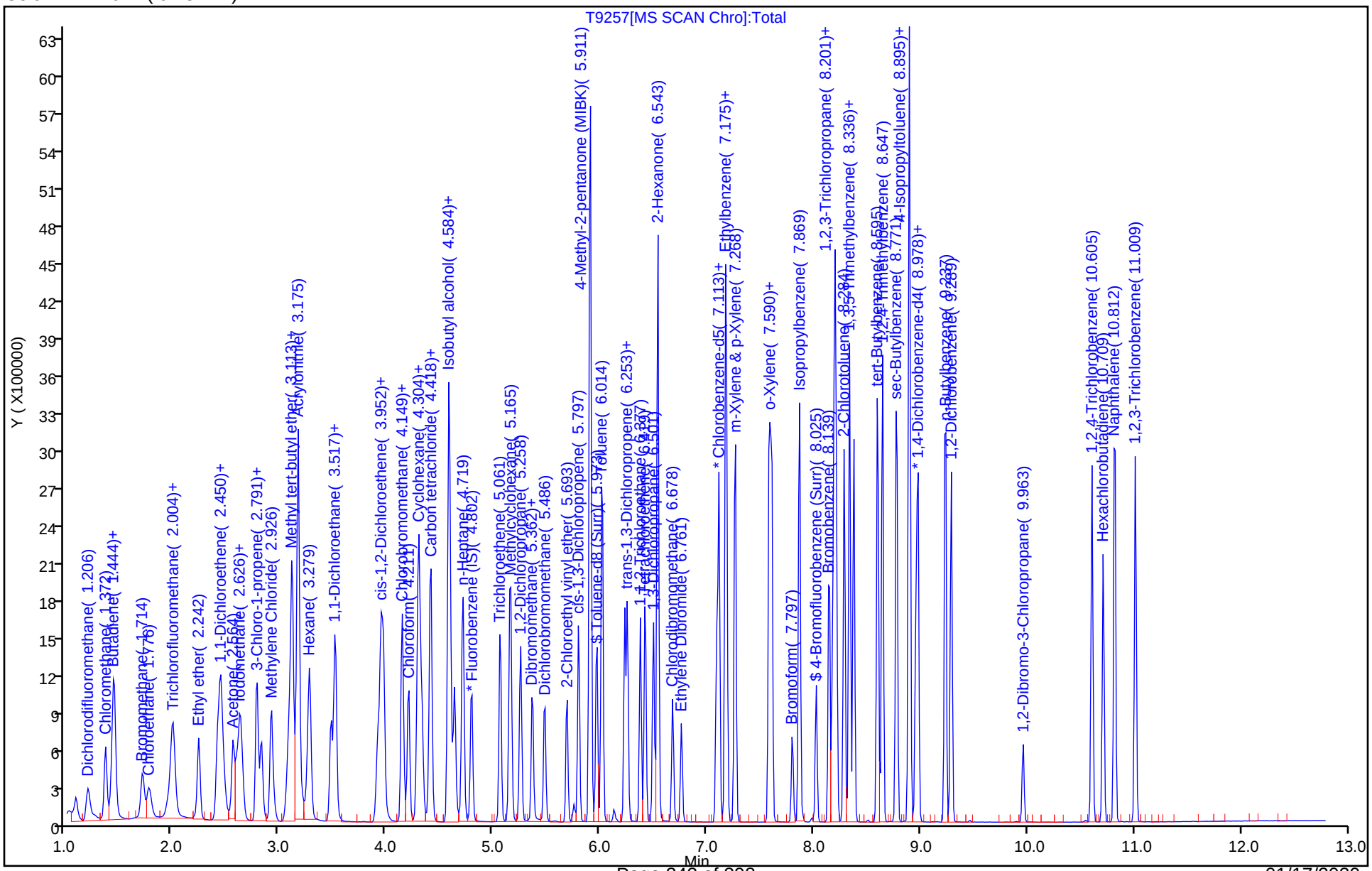
Report Date: 18-Dec-2019 16:09:32 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9257.D

Injection Date:	17-Dec-2019 17:11:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC 6			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9258.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 17-Dec-2019 17:35:30 ALS Bottle#: 10 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 7
Misc. Info.: 480-0086996-013
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2019 16:09:36 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: farrellr Date: 18-Dec-2019 08:41:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.802	4.791	0.011	98	159884	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	86	599242	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.957	8.957	0.000	95	331410	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.335	4.335	0.000	92	207522	25.0	26.1	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.584	4.584	0.000	0	270390	25.0	26.2	
$ 6 Toluene-d8 (Surr)	98	5.973	5.973	0.000	94	787462	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	239444	25.0	25.0	
11 Dichlorodifluoromethane	85	1.206	1.206	0.000	99	944107	100.0	94.8	
13 Chloromethane	50	1.372	1.372	0.000	99	1309696	100.0	92.6	
151 Butadiene	54	1.444	1.434	0.010	93	1109218	100.0	98.2	
14 Vinyl chloride	62	1.465	1.455	0.010	98	1136227	100.0	96.0	
15 Bromomethane	94	1.724	1.714	0.010	91	671269	100.0	100.5	
16 Chloroethane	64	1.786	1.776	0.010	99	669560	100.0	99.5	
17 Trichlorofluoromethane	101	2.004	1.993	0.011	58	1236418	100.0	99.2	
18 Dichlorofluoromethane	67	2.004	1.993	0.011	96	1504027	100.0	98.1	
19 Ethyl ether	59	2.242	2.242	0.000	95	866647	100.0	95.2	
21 Acrolein	56	2.418	2.418	0.000	99	1109985	500.0	478.7	
22 1,1-Dichloroethene	96	2.449	2.449	0.000	95	708981	100.0	92.7	
20 1,1,2-Trichloro-1,2,2-trif	101	2.449	2.449	0.000	62	754371	100.0	103.1	
23 Acetone	43	2.563	2.563	0.000	99	2151057	500.0	507.2	
24 Iodomethane	142	2.605	2.605	0.000	100	1407649	100.0	101.6	
25 Carbon disulfide	76	2.636	2.636	0.000	100	2578551	100.0	101.5	
27 3-Chloro-1-propene	41	2.791	2.781	0.010	89	1565683	100.0	101.1	
28 Methyl acetate	43	2.833	2.822	0.011	99	1925333	200.0	190.6	
30 Methylene Chloride	84	2.926	2.916	0.010	99	855000	100.0	99.7	
31 2-Methyl-2-propanol	59	3.082	3.082	0.000	98	2015687	1000.0	1086.2	
33 Methyl tert-butyl ether	73	3.113	3.102	0.011	98	2575814	100.0	103.0	
32 trans-1,2-Dichloroethene	96	3.123	3.113	0.010	95	809533	100.0	98.5	
34 Acrylonitrile	53	3.175	3.175	0.000	98	5117383	1000.0	1036.9	
35 Hexane	57	3.278	3.278	0.000	94	1419286	100.0	94.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.486	3.475	0.011	96	1533096	100.0	101.6	
39 Vinyl acetate	43	3.527	3.517	0.010	97	4806723	200.0	216.0	
42 2,2-Dichloropropane	77	3.931	3.921	0.010	91	1160344	100.0	99.5	
43 cis-1,2-Dichloroethene	96	3.952	3.952	0.000	82	899677	100.0	102.3	
44 2-Butanone (MEK)	43	3.973	3.973	0.000	99	3358756	500.0	527.5	
47 Chlorobromomethane	128	4.149	4.139	0.010	97	496198	100.0	102.6	
48 Tetrahydrofuran	42	4.149	4.149	0.000	90	918593	200.0	185.1	
50 Chloroform	83	4.211	4.201	0.010	95	1399244	100.0	98.3	
51 1,1,1-Trichloroethane	97	4.304	4.294	0.010	98	1233364	100.0	104.1	
52 Cyclohexane	56	4.304	4.304	0.000	96	1690246	100.0	98.1	
53 Carbon tetrachloride	117	4.408	4.408	0.000	97	1073638	100.0	105.2	
54 1,1-Dichloropropene	75	4.418	4.418	0.000	94	1088523	100.0	101.9	
55 Benzene	78	4.584	4.584	0.000	98	3071366	100.0	99.7	
56 Isobutyl alcohol	43	4.595	4.595	0.000	94	2082470	2500.0	2831.3	
57 1,2-Dichloroethane	62	4.636	4.636	0.000	97	1256954	100.0	100.6	
59 n-Heptane	43	4.719	4.719	0.000	95	1580750	100.0	96.7	
60 Trichloroethene	95	5.061	5.061	0.000	96	819550	100.0	100.4	
62 Methylcyclohexane	83	5.164	5.154	0.010	95	1456792	100.0	102.1	
63 1,2-Dichloropropane	63	5.258	5.258	0.000	94	890143	100.0	103.3	
65 Dibromomethane	93	5.372	5.361	0.011	96	539777	100.0	102.0	
66 1,4-Dioxane	88	5.361	5.361	0.000	90	291420	2000.0	2061.2	
67 Dichlorobromomethane	83	5.486	5.486	0.000	98	1037966	100.0	112.0	
69 2-Chloroethyl vinyl ether	63	5.693	5.693	0.000	93	699486	100.0	110.5	
71 cis-1,3-Dichloropropene	75	5.797	5.797	0.000	93	1376238	100.0	110.6	
72 4-Methyl-2-pentanone (MIBK	43	5.911	5.911	0.000	97	6808312	500.0	514.0	
73 Toluene	92	6.025	6.014	0.011	98	1981634	100.0	97.3	
75 trans-1,3-Dichloropropene	75	6.232	6.232	0.000	98	1319091	100.0	109.4	
77 Ethyl methacrylate	69	6.253	6.253	0.000	93	1296464	100.0	107.8	
78 1,1,2-Trichloroethane	83	6.377	6.377	0.000	91	647351	100.0	101.6	
79 Tetrachloroethene	166	6.418	6.418	0.000	96	854965	100.0	103.1	
80 1,3-Dichloropropane	76	6.501	6.501	0.000	95	1356951	100.0	100.8	
81 2-Hexanone	43	6.543	6.543	0.000	97	4981850	500.0	519.4	
82 Chlorodibromomethane	129	6.677	6.678	-0.001	90	872396	100.0	120.9	
83 Ethylene Dibromide	107	6.760	6.760	0.000	99	849644	100.0	105.8	
86 Chlorobenzene	112	7.113	7.113	0.000	95	2305401	100.0	99.8	
88 Ethylbenzene	91	7.175	7.175	0.000	98	3713313	100.0	98.4	
89 1,1,1,2-Tetrachloroethane	131	7.185	7.185	0.000	96	850474	100.0	112.9	
90 m-Xylene & p-Xylene	106	7.268	7.268	0.000	0	1518715	100.0	99.3	
91 o-Xylene	106	7.589	7.589	0.000	96	1502607	100.0	101.4	
92 Styrene	104	7.610	7.610	0.000	96	2544024	100.0	102.8	
93 Bromoform	173	7.797	7.797	0.000	96	582925	100.0	125.3	
95 Isopropylbenzene	105	7.869	7.869	0.000	96	3781528	100.0	100.2	
97 Bromobenzene	156	8.149	8.149	0.000	94	976030	100.0	101.6	
98 1,1,2,2-Tetrachloroethane	83	8.180	8.180	0.000	96	1194601	100.0	107.2	
99 N-Propylbenzene	91	8.201	8.201	0.000	98	4482784	100.0	100.6	
100 1,2,3-Trichloropropane	110	8.211	8.211	0.000	88	394263	100.0	102.3	
101 trans-1,4-Dichloro-2-buten	53	8.211	8.211	0.000	83	422828	100.0	117.6	
105 2-Chlorotoluene	126	8.284	8.284	0.000	97	944111	100.0	100.9	
104 1,3,5-Trimethylbenzene	105	8.336	8.336	0.000	96	3339441	100.0	102.5	
102 4-Chlorotoluene	91	8.377	8.377	0.000	97	2790013	100.0	99.7	
106 tert-Butylbenzene	134	8.595	8.595	0.000	95	737848	100.0	103.9	
107 1,2,4-Trimethylbenzene	105	8.646	8.647	0.000	97	3380460	100.0	103.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.781	8.771	0.010	94	4170168	100.0	101.4	
111 4-Isopropyltoluene	119	8.895	8.895	0.000	97	3844772	100.0	103.2	
110 1,3-Dichlorobenzene	146	8.906	8.906	0.000	98	1890273	100.0	101.3	
113 1,4-Dichlorobenzene	146	8.978	8.978	0.000	93	1914094	100.0	100.0	
115 n-Butylbenzene	91	9.227	9.227	0.000	98	3256059	100.0	102.2	
116 1,2-Dichlorobenzene	146	9.289	9.289	0.000	97	1917044	100.0	102.3	
117 1,2-Dibromo-3-Chloropropan	75	9.963	9.963	0.000	86	258426	100.0	114.4	
119 1,2,4-Trichlorobenzene	180	10.605	10.605	0.000	95	1448613	100.0	102.9	
120 Hexachlorobutadiene	225	10.709	10.709	0.000	98	662913	100.0	104.8	
121 Naphthalene	128	10.823	10.812	0.011	97	4526248	100.0	104.8	
122 1,2,3-Trichlorobenzene	180	11.009	11.009	0.000	96	1451733	100.0	102.6	
S 126 Xylenes, Total	1				0			200.7	
S 124 1,2-Dichloroethene, Total	1				0			200.8	
S 125 Total BTEX	1				0			496.1	
S 123 1,3-Dichloropropene, Total	1				0			220.0	

Reagents:

8260 CORP mix_00175	Amount Added: 50.00	Units: uL	
GAS CORP mix_00375	Amount Added: 50.00	Units: uL	
T_8260_Surr_00203	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added: 1.00	Units: uL	Run Reagent

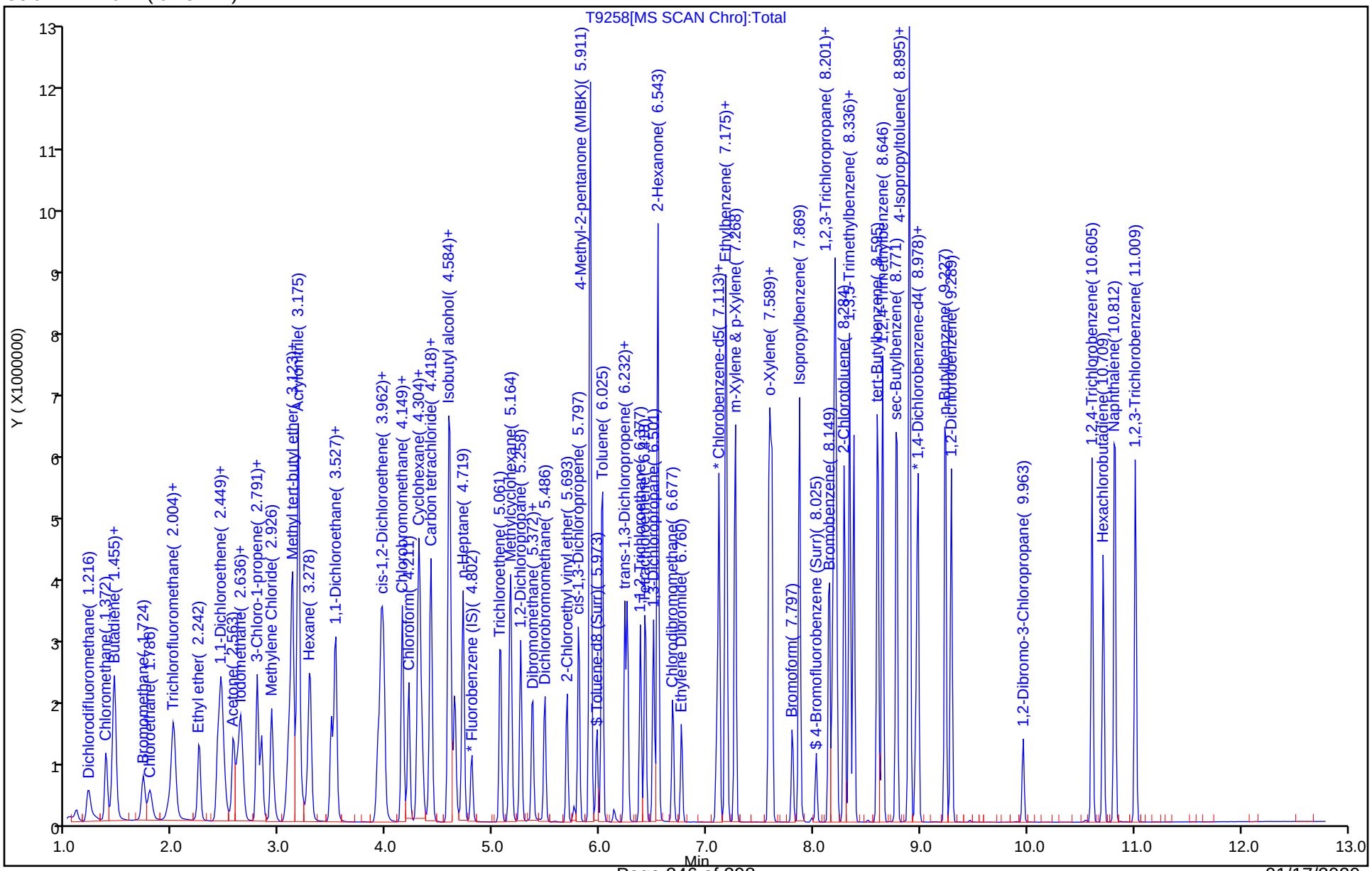
Report Date: 18-Dec-2019 16:09:39 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9258.D

Injection Date:	17-Dec-2019 17:35:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC 7			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCVIS 480-512458/3 Calibration Date: 01/06/2020 08:33

Instrument ID: HP5973S Calib Start Date: 11/18/2019 12:00

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2019 14:41

Lab File ID: S3699.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.599	1.521	0.1000	23.8	25.0	-4.9	50.0
Chloromethane	Ave	1.877	2.009	0.1000	26.8	25.0	7.0	20.0
Vinyl chloride	Ave	1.533	1.514	0.1000	24.7	25.0	-1.3	20.0
Butadiene	Ave	1.638	1.827		27.9	25.0	11.6	20.0
Bromomethane	Ave	0.9797	0.9780	0.1000	25.0	25.0	-0.2	50.0
Chloroethane	Ave	1.020	1.024	0.1000	25.1	25.0	0.4	50.0
Dichlorofluoromethane	Ave	2.240	2.110		23.6	25.0	-5.8	20.0
Trichlorofluoromethane	Ave	1.887	2.195	0.1000	29.1	25.0	16.4	20.0
Ethyl ether	Ave	1.253	1.347		26.9	25.0	7.4	20.0
Acrolein	Ave	0.3842	0.2967		96.5	125	-22.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.057	1.254	0.1000	29.7	25.0	18.6	20.0
1,1-Dichloroethene	Ave	1.154	1.147	0.1000	24.9	25.0	-0.6	20.0
Acetone	Ave	0.6024	0.6721	0.1000	139	125	11.6	50.0
Iodomethane	Ave	1.943	2.068		26.6	25.0	6.5	20.0
Carbon disulfide	Ave	3.789	4.088	0.1000	27.0	25.0	7.9	20.0
Allyl chloride	Ave	2.484	2.438		24.5	25.0	-1.8	20.0
Methyl acetate	Ave	1.497	1.502	0.1000	50.1	50.0	0.3	50.0
Methylene Chloride	Lin1		1.381	0.1000	25.5	25.0	2.0	20.0
2-Methyl-2-propanol	Ave	0.1732	0.1917		277	250	10.7	50.0
Methyl tert-butyl ether	Ave	3.920	3.522	0.1000	22.5	25.0	-10.2	20.0
trans-1,2-Dichloroethene	Ave	1.287	1.276	0.1000	24.8	25.0	-0.9	20.0
Acrylonitrile	Ave	0.7013	0.7654		273	250	9.1	20.0
Hexane	Ave	2.339	2.444		26.1	25.0	4.5	20.0
1,1-Dichloroethane	Ave	2.546	2.535	0.2000	24.9	25.0	-0.4	20.0
Vinyl acetate	Ave	3.759	4.068		54.1	50.0	8.2	20.0
2,2-Dichloropropane	Ave	1.269	1.305		25.7	25.0	2.8	20.0
cis-1,2-Dichloroethene	Ave	1.438	1.485	0.1000	25.8	25.0	3.3	20.0
2-Butanone (MEK)	Ave	0.9207	0.9585	0.1000	130	125	4.1	20.0
Chlorobromomethane	Ave	0.7125	0.7044		24.7	25.0	-1.1	20.0
Tetrahydrofuran	Ave	0.6134	0.6170		50.3	50.0	0.6	20.0
Chloroform	Ave	2.567	2.459	0.2000	23.9	25.0	-4.2	20.0
1,1,1-Trichloroethane	Ave	2.010	2.116	0.1000	26.3	25.0	5.3	20.0
Cyclohexane	Ave	2.680	2.899	0.1000	27.0	25.0	8.2	20.0
Carbon tetrachloride	Ave	1.738	1.770	0.1000	25.5	25.0	1.9	20.0
1,1-Dichloropropene	Ave	1.819	1.948		26.8	25.0	7.1	20.0
Benzene	Ave	5.382	5.555	0.5000	25.8	25.0	3.2	20.0
Isobutyl alcohol	Ave	0.0802	0.0828		646	625	3.3	50.0
1,2-Dichloroethane	Ave	2.241	2.277	0.1000	25.4	25.0	1.6	20.0
n-Heptane	Ave	2.835	2.533		22.3	25.0	-10.7	20.0
Trichloroethene	Ave	1.390	1.426	0.2000	25.7	25.0	2.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCVIS 480-512458/3 Calibration Date: 01/06/2020 08:33

Instrument ID: HP5973S Calib Start Date: 11/18/2019 12:00

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2019 14:41

Lab File ID: S3699.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.343	2.462	0.1000	26.3	25.0	5.1	20.0
1,2-Dichloropropane	Ave	1.420	1.497	0.1000	26.4	25.0	5.5	20.0
1,4-Dioxane	Ave	0.0080	0.0100		618	500	23.7	50.0
Dibromomethane	Ave	0.8932	0.9083	0.1000	25.4	25.0	1.7	20.0
Bromodichloromethane	Ave	1.799	1.894	0.2000	26.3	25.0	5.3	20.0
2-Chloroethyl vinyl ether	Ave	1.002	1.060		26.4	25.0	5.7	20.0
cis-1,3-Dichloropropene	Ave	2.234	2.337	0.2000	26.2	25.0	4.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9669	0.9611	0.1000	124	125	-0.6	20.0
Toluene	Ave	1.638	1.685	0.4000	25.7	25.0	2.9	20.0
trans-1,3-Dichloropropene	Ave	1.021	1.089	0.1000	26.7	25.0	6.7	20.0
Ethyl methacrylate	Ave	0.9206	0.9393		25.5	25.0	2.0	20.0
1,1,2-Trichloroethane	Ave	0.4996	0.5296	0.1000	26.5	25.0	6.0	20.0
Tetrachloroethene	Ave	0.6527	0.7542	0.2000	28.9	25.0	15.6	20.0
1,3-Dichloropropane	Ave	1.065	1.121		26.3	25.0	5.3	20.0
2-Hexanone	Ave	0.6994	0.6790	0.1000	121	125	-2.9	20.0
Dibromochloromethane	Ave	0.6020	0.6387	0.1000	26.5	25.0	6.1	20.0
1,2-Dibromoethane	Ave	0.6288	0.6348		25.2	25.0	0.9	20.0
Chlorobenzene	Ave	1.757	1.911	0.5000	27.2	25.0	8.8	20.0
Ethylbenzene	Ave	3.032	3.217	0.1000	26.5	25.0	6.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6161	0.6303		25.6	25.0	2.3	20.0
m,p-Xylene	Ave	1.171	1.244	0.1000	26.5	25.0	6.2	20.0
o-Xylene	Ave	1.171	1.187	0.3000	25.3	25.0	1.4	20.0
Styrene	Ave	1.914	2.079	0.3000	27.2	25.0	8.6	20.0
Bromoform	Ave	0.4014	0.4284	0.1000	26.7	25.0	6.7	50.0
Isopropylbenzene	Ave	3.597	3.713	0.1000	25.8	25.0	3.2	20.0
Bromobenzene	Ave	0.8521	0.9187		27.0	25.0	7.8	20.0
1,1,2,2-Tetrachloroethane	Ave	1.063	0.9897	0.3000	23.3	25.0	-6.8	20.0
N-Propylbenzene	Ave	4.380	4.519		25.8	25.0	3.2	20.0
1,2,3-Trichloropropane	Ave	0.3459	0.3241		23.4	25.0	-6.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4112	0.2862		17.4	25.0	-30.4	50.0
2-Chlorotoluene	Ave	0.8313	0.8391		25.2	25.0	0.9	20.0
1,3,5-Trimethylbenzene	Ave	3.029	3.086		25.5	25.0	1.9	20.0
4-Chlorotoluene	Ave	0.8472	0.9102		26.9	25.0	7.4	20.0
tert-Butylbenzene	Ave	0.6579	0.6521		24.8	25.0	-0.9	20.0
1,2,4-Trimethylbenzene	Ave	3.112	3.123		25.1	25.0	0.4	20.0
sec-Butylbenzene	Ave	3.758	3.794		25.2	25.0	0.9	20.0
1,3-Dichlorobenzene	Ave	1.635	1.768	0.6000	27.0	25.0	8.1	20.0
4-Isopropyltoluene	Ave	3.209	3.225		25.1	25.0	0.5	20.0
1,4-Dichlorobenzene	Ave	1.660	1.808	0.5000	27.2	25.0	8.9	20.0
n-Butylbenzene	Ave	3.032	3.003		24.8	25.0	-0.9	20.0
1,2-Dichlorobenzene	Ave	1.581	1.697	0.4000	26.8	25.0	7.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCVIS 480-512458/3 Calibration Date: 01/06/2020 08:33

Instrument ID: HP5973S Calib Start Date: 11/18/2019 12:00

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2019 14:41

Lab File ID: S3699.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2445	0.1794	0.0500	18.3	25.0	-26.6	50.0
1,2,4-Trichlorobenzene	Ave	1.076	1.018	0.2000	23.7	25.0	-5.4	20.0
Hexachlorobutadiene	Ave	0.4755	0.4365		22.9	25.0	-8.2	20.0
Naphthalene	Ave	3.258	2.424		18.6	25.0	-25.6*	20.0
1,2,3-Trichlorobenzene	Ave	0.9911	0.8894		22.4	25.0	-10.3	20.0
Dibromofluoromethane (Surr)	Ave	1.177	1.153		24.5	25.0	-2.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8310	0.8303		25.0	25.0	-0.0	20.0
Toluene-d8 (Surr)	Ave	2.325	2.355		25.3	25.0	1.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6537	0.7417		28.4	25.0	13.5	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3699.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Jan-2020 08:33:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0087323-003
Operator ID: AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Jan-2020 08:55:50 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: moffata Date: 06-Jan-2020 08:55:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	156246	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	89	320927	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.827	10.827	0.000	70	276497	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	57	180093	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	52	129731	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.000	91	755662	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	86	238044	25.0	28.4	
10 Dichlorodifluoromethane	85	1.257	1.257	0.000	86	237635	25.0	23.8	
12 Chloromethane	50	1.434	1.434	0.000	88	313878	25.0	26.8	
13 Vinyl chloride	62	1.531	1.531	0.000	80	236485	25.0	24.7	
151 Butadiene	54	1.543	1.543	0.000	92	285518	25.0	27.9	
14 Bromomethane	94	1.829	1.829	0.000	90	152815	25.0	25.0	
15 Chloroethane	64	1.927	1.927	0.000	93	159986	25.0	25.1	
17 Trichlorofluoromethane	101	2.146	2.146	0.000	70	343027	25.0	29.1	
16 Dichlorofluoromethane	67	2.146	2.146	0.000	79	329698	25.0	23.6	
18 Ethyl ether	59	2.432	2.432	0.000	97	210386	25.0	26.9	
20 Acrolein	56	2.620	2.620	0.000	95	231811	125.0	96.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.657	2.657	0.000	56	195866	25.0	29.7	
22 1,1-Dichloroethene	96	2.657	2.657	0.000	87	179223	25.0	24.9	
23 Acetone	43	2.778	2.778	0.000	98	525075	125.0	139.5	
25 Iodomethane	142	2.815	2.815	0.000	100	323141	25.0	26.6	
26 Carbon disulfide	76	2.851	2.851	0.000	100	638681	25.0	27.0	
28 3-Chloro-1-propene	41	3.034	3.034	0.000	87	380980	25.0	24.5	
27 Methyl acetate	43	3.076	3.076	0.000	97	469271	50.0	50.1	
30 Methylene Chloride	84	3.180	3.180	0.000	93	215795	25.0	25.5	
31 2-Methyl-2-propanol	59	3.350	3.350	0.000	97	299444	250.0	276.7	
32 Methyl tert-butyl ether	73	3.387	3.387	0.000	94	550340	25.0	22.5	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	88	199360	25.0	24.8	
33 Acrylonitrile	53	3.466	3.466	0.000	97	1195877	250.0	272.8	
35 Hexane	57	3.593	3.593	0.000	93	381897	25.0	26.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.831	3.831	0.000	86	396036	25.0	24.9	
37 Vinyl acetate	43	3.886	3.886	0.000	97	1271080	50.0	54.1	
44 2,2-Dichloropropane	77	4.354	4.354	0.000	92	203857	25.0	25.7	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	69	232035	25.0	25.8	
43 2-Butanone (MEK)	43	4.421	4.421	0.000	93	748823	125.0	130.1	
48 Chlorobromomethane	128	4.622	4.622	0.000	86	110066	25.0	24.7	
49 Tetrahydrofuran	42	4.634	4.634	0.000	94	192804	50.0	50.3	
50 Chloroform	83	4.701	4.701	0.000	71	384260	25.0	23.9	
51 1,1,1-Trichloroethane	97	4.816	4.816	0.000	75	330569	25.0	26.3	
52 Cyclohexane	56	4.816	4.816	0.000	93	452963	25.0	27.0	
55 Carbon tetrachloride	117	4.944	4.944	0.000	82	276628	25.0	25.5	
54 1,1-Dichloropropene	75	4.962	4.962	0.000	91	304292	25.0	26.8	
57 Benzene	78	5.169	5.169	0.000	96	867981	25.0	25.8	
53 Isobutyl alcohol	43	5.193	5.193	0.000	94	323370	625.0	645.5	
58 1,2-Dichloroethane	62	5.242	5.242	0.000	73	355786	25.0	25.4	
59 n-Heptane	43	5.346	5.346	0.000	94	395733	25.0	22.3	
62 Trichloroethene	95	5.777	5.777	0.000	92	222883	25.0	25.7	
64 Methylcyclohexane	83	5.893	5.893	0.000	94	384693	25.0	26.3	
65 1,2-Dichloropropane	63	6.021	6.021	0.000	88	233966	25.0	26.4	
67 Dibromomethane	93	6.167	6.167	0.000	88	141918	25.0	25.4	
66 1,4-Dioxane	88	6.167	6.167	0.000	40	63859	500.0	618.4	
68 Dichlorobromomethane	83	6.319	6.319	0.000	90	295911	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	6.593	6.593	0.000	89	165594	25.0	26.4	
72 cis-1,3-Dichloropropene	75	6.733	6.733	0.000	88	365205	25.0	26.2	
73 4-Methyl-2-pentanone (MIBK	43	6.879	6.879	0.000	98	1542145	125.0	124.2	
74 Toluene	92	7.019	7.019	0.000	86	540604	25.0	25.7	
77 trans-1,3-Dichloropropene	75	7.304	7.304	0.000	94	349426	25.0	26.7	
75 Ethyl methacrylate	69	7.347	7.347	0.000	87	301444	25.0	25.5	
79 1,1,2-Trichloroethane	83	7.493	7.493	0.000	89	169948	25.0	26.5	
81 Tetrachloroethene	166	7.548	7.548	0.000	80	242056	25.0	28.9	
82 1,3-Dichloropropane	76	7.657	7.657	0.000	95	359910	25.0	26.3	
80 2-Hexanone	43	7.718	7.718	0.000	95	1089537	125.0	121.4	
83 Chlorodibromomethane	129	7.888	7.888	0.000	86	204987	25.0	26.5	
84 Ethylene Dibromide	107	7.992	7.992	0.000	96	203712	25.0	25.2	
87 Chlorobenzene	112	8.466	8.466	0.000	91	613285	25.0	27.2	
88 Ethylbenzene	91	8.558	8.558	0.000	98	1032285	25.0	26.5	
89 1,1,1,2-Tetrachloroethane	131	8.570	8.570	0.000	50	202264	25.0	25.6	
90 m-Xylene & p-Xylene	106	8.679	8.679	0.000	98	399140	25.0	26.5	
91 o-Xylene	106	9.105	9.105	0.000	99	380965	25.0	25.3	
92 Styrene	104	9.136	9.136	0.000	93	667363	25.0	27.2	
95 Bromoform	173	9.391	9.391	0.000	95	137475	25.0	26.7	
94 Isopropylbenzene	105	9.488	9.488	0.000	96	1026665	25.0	25.8	
101 Bromobenzene	156	9.835	9.835	0.000	98	254028	25.0	27.0	
97 1,1,2,2-Tetrachloroethane	83	9.902	9.902	0.000	62	273659	25.0	23.3	
99 N-Propylbenzene	91	9.914	9.914	0.000	98	1249393	25.0	25.8	
100 1,2,3-Trichloropropane	110	9.933	9.933	0.000	73	89622	25.0	23.4	
98 trans-1,4-Dichloro-2-buten	53	9.945	9.945	0.000	77	79141	25.0	17.4	
103 2-Chlorotoluene	126	10.018	10.018	0.000	95	232005	25.0	25.2	
102 1,3,5-Trimethylbenzene	105	10.097	10.097	0.000	93	853400	25.0	25.5	
105 4-Chlorotoluene	126	10.133	10.133	0.000	81	251653	25.0	26.9	
106 tert-Butylbenzene	134	10.407	10.407	0.000	90	180313	25.0	24.8	
107 1,2,4-Trimethylbenzene	105	10.468	10.468	0.000	51	863430	25.0	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.620	10.620	0.000	95	1048895	25.0	25.2	
110 4-Isopropyltoluene	119	10.760	10.760	0.000	96	891742	25.0	25.1	
111 1,3-Dichlorobenzene	146	10.760	10.760	0.000	74	488755	25.0	27.0	
113 1,4-Dichlorobenzene	146	10.845	10.845	0.000	93	499819	25.0	27.2	
115 n-Butylbenzene	91	11.149	11.149	0.000	95	830299	25.0	24.8	
116 1,2-Dichlorobenzene	146	11.198	11.198	0.000	90	469077	25.0	26.8	
117 1,2-Dibromo-3-Chloropropan	75	11.928	11.928	0.000	63	49613	25.0	18.3	
119 1,2,4-Trichlorobenzene	180	12.597	12.597	0.000	94	281419	25.0	23.7	
120 Hexachlorobutadiene	225	12.707	12.707	0.000	92	120676	25.0	22.9	
121 Naphthalene	128	12.816	12.816	0.000	98	670203	25.0	18.6	
122 1,2,3-Trichlorobenzene	180	13.017	13.017	0.000	95	245927	25.0	22.4	

Reagents:

8260 CORP mix_00174	Amount Added: 12.50	Units: uL	
GAS CORP mix_00377	Amount Added: 12.50	Units: uL	
S_8260_IS_00330	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added: 1.00	Units: uL	Run Reagent

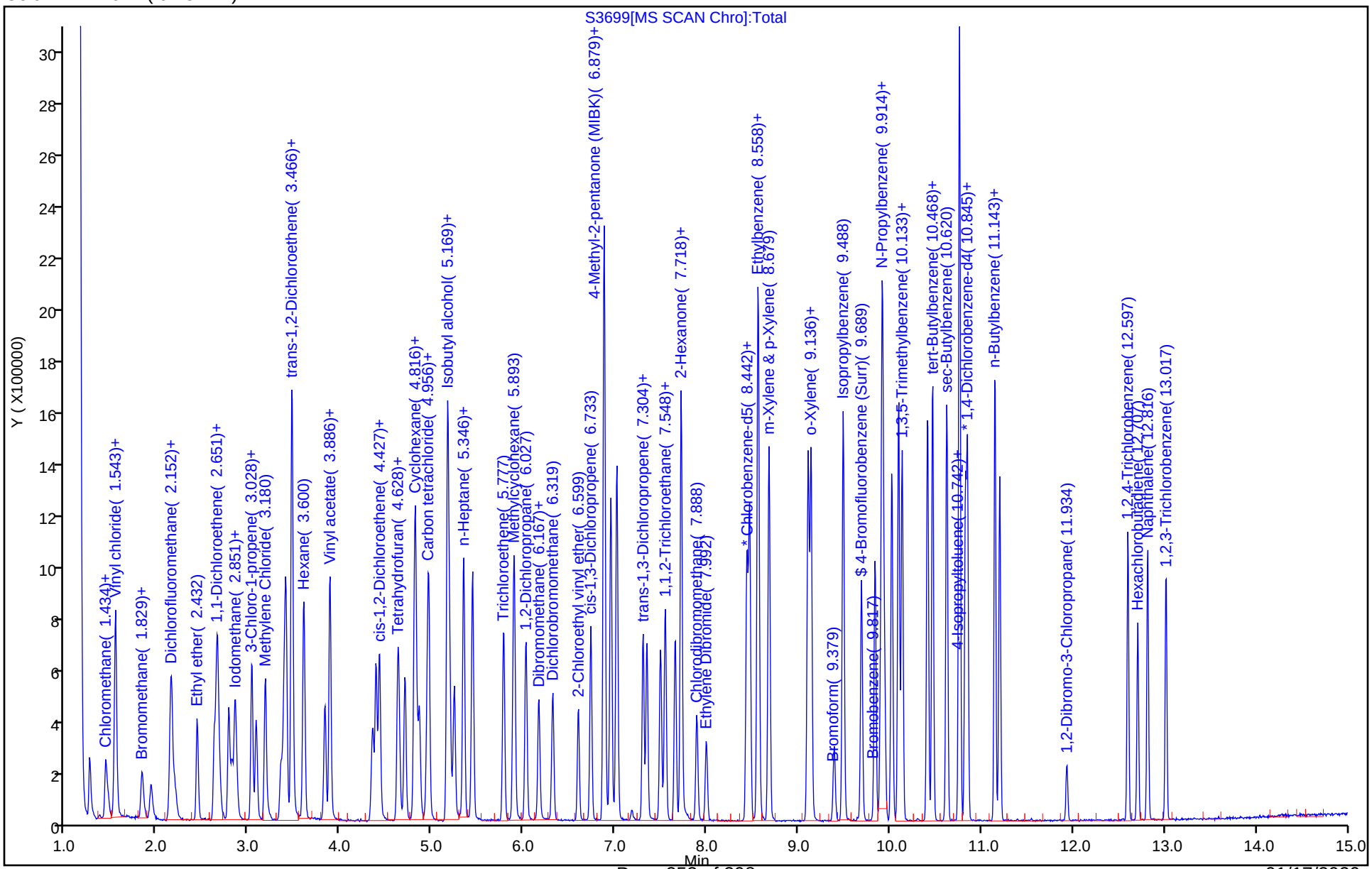
Report Date: 06-Jan-2020 08:55:51 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3699.D

Injection Date:	06-Jan-2020 08:33:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCV 480-512458/4 Calibration Date: 01/06/2020 08:57

Instrument ID: HP5973S Calib Start Date: 11/18/2019 12:00

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2019 14:41

Lab File ID: S3700.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	1.177	1.216		25.8	25.0	3.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8310	0.8669		26.1	25.0	4.3	20.0
Toluene-d8 (Surr)	Ave	2.325	2.404		25.9	25.0	3.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6537	0.7399		28.3	25.0	13.2	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3700.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 06-Jan-2020 08:57:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Misc. Info.: 480-0087323-004
Operator ID: AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub61

Method: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Jan-2020 09:17:28 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: moffata Date: 06-Jan-2020 09:17:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	150005	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	87	318203	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.821	10.821	0.000	67	287223	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	71	182338	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	62	130043	25.0	26.1	
$ 5 Toluene-d8 (Surr)	98	6.951	6.951	0.000	94	765099	25.0	25.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	85	235437	25.0	28.3	
11 Chlorodifluoromethane	51	1.288	1.288	0.000	79	285052	25.0	29.3	
148 Ethanol	45	2.450	2.450	0.000	98	74195	1000.0	1122.0	
19 Propene oxide	58	2.523	2.523	0.000	95	330568	NC	NC	
24 Isopropyl alcohol	45	2.967	2.967	0.000	98	186001	250.0	395.5	
29 Acetonitrile	40	3.094	3.094	0.000	99	207396	250.0	281.5	
36 Isopropyl ether	45	3.837	3.837	0.000	95	881969	25.0	30.6	
40 2-Chloro-1,3-butadiene	53	3.885	3.885	0.000	85	409385	25.0	28.8	
38 1,1-Dimethoxyethane	75	3.916	3.916	0.000	65	252555	125.0	123.3	
41 Tert-butyl ethyl ether	59	4.177	4.177	0.000	98	741348	25.0	27.5	
42 Ethyl acetate	43	4.457	4.457	0.000	99	630948	50.0	52.4	
46 Propionitrile	54	4.530	4.530	0.000	100	502878	250.0	342.0	
47 Methacrylonitrile	41	4.640	4.640	0.000	96	2065020	250.0	272.9	
152 Isooctane	57	5.157	5.157	0.000	96	877134	25.0	29.0	
56 Tert-amyl methyl ether	73	5.242	5.242	0.000	88	774254	25.0	26.3	
147 t-Amyl alcohol	59	5.248	5.248	0.000	57	276551	250.0	228.6	
1 1,4-Difluorobenzene	114	5.552	5.552	0.000	96	647346	25.0	27.6	
60 n-Butanol	56	5.814	5.814	0.000	91	204684	625.0	856.6	
142 Ethyl acrylate	55	5.905	5.905	0.000	97	391890	25.0	26.2	
63 Methyl methacrylate	41	6.124	6.124	0.000	94	542850	50.0	52.0	
70 2-Nitropropane	43	6.574	6.574	0.000	99	154191	50.0	38.2	
71 Epichlorohydrin	57	6.690	6.690	0.000	97	350347	250.0	267.9	
76 2-Methylthiophene	97	7.158	7.158	0.000	97	778325	25.0	24.9	
78 3-Methylthiophene	97	7.323	7.323	0.000	99	811125	25.0	24.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
155 n-Butyl acetate	43	7.827	7.827	0.000	98	464050	25.0	27.0	
146 1-Chlorohexane	55	8.418	8.418	0.000	89	255869	25.0	27.3	
85 3-Chlorobenzotrifluoride	180	8.436	8.436	0.000	86	336644	25.0	28.7	
86 4-Chlorobenzotrifluoride	180	8.497	8.497	0.000	92	320023	25.0	29.2	
93 2-Chlorobenzotrifluoride	180	9.415	9.415	0.000	95	342737	25.0	28.5	
96 Cyclohexanone	55	9.665	9.665	0.000	92	106249	250.0	243.4	
104 3-Chlorotoluene	126	10.084	10.084	0.000	98	252078	25.0	25.8	
108 Pentachloroethane	167	10.474	10.474	0.000	83	135095	25.0	29.7	
114 Dicyclopentadiene	66	10.821	10.821	0.000	96	1106383	25.0	23.8	
112 1,2,3-Trimethylbenzene	105	10.869	10.869	0.000	67	965594	25.0	26.7	
150 Benzyl chloride	126	10.997	10.997	0.000	98	108924	25.0	27.4	
118 1,3,5-Trichlorobenzene	180	12.056	12.056	0.000	96	398614	25.0	27.6	
149 2-Methylnaphthalene	142	13.722	13.722	0.000	90	511915	25.0	20.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

2 MTP 2019_00016	Amount Added:	12.50	Units: uL	
3 MTP 2019_00016	Amount Added:	12.50	Units: uL	
ADD CORP mix_00096	Amount Added:	12.50	Units: uL	
S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

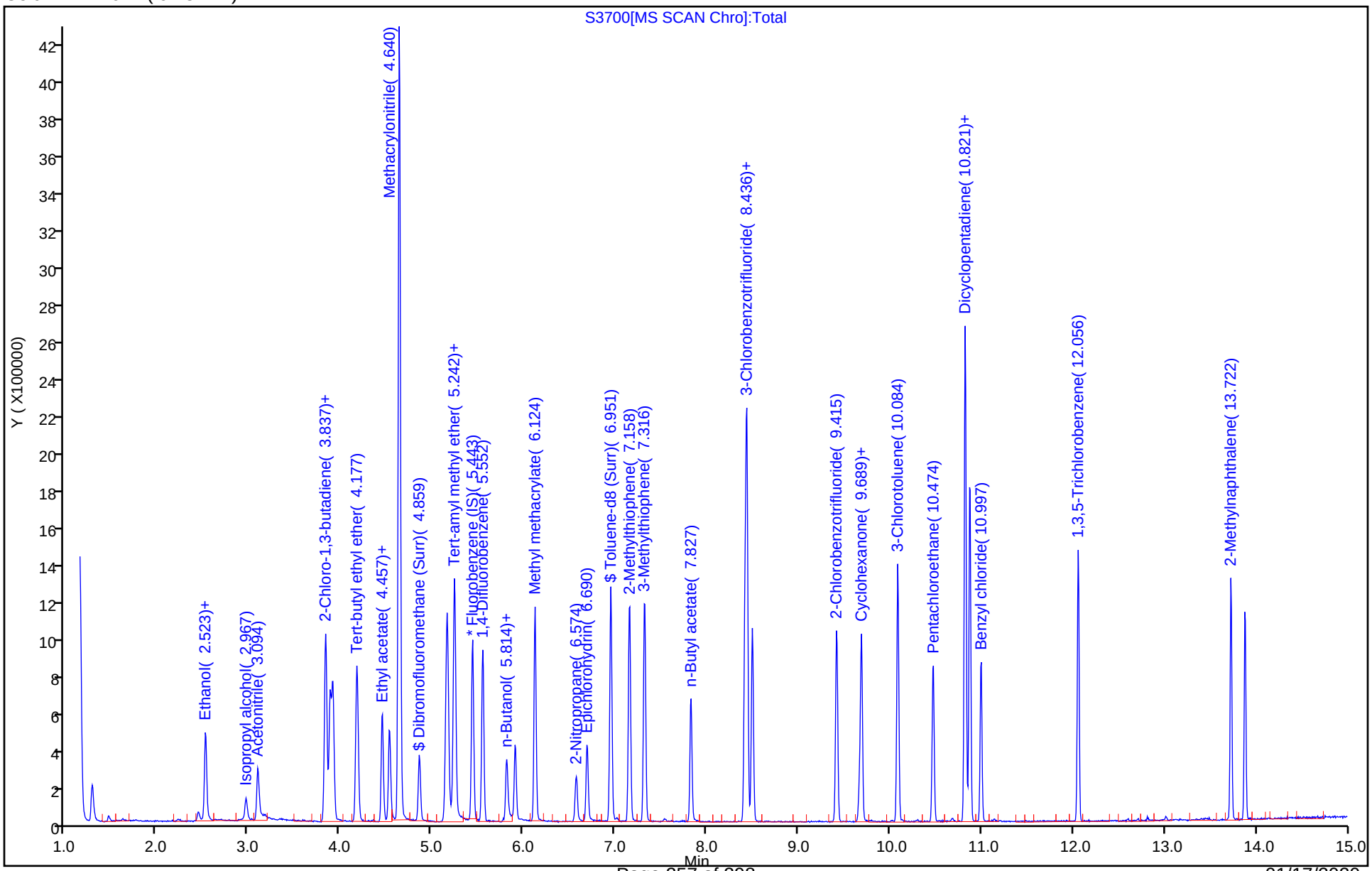
Report Date: 06-Jan-2020 09:17:29 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3700.D

Injection Date:	06-Jan-2020 08:57:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCV 480-512458/4 Calibration Date: 01/06/2020 08:57

Instrument ID: HP5973S Calib Start Date: 11/18/2019 16:36

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2019 18:54

Lab File ID: S3700.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	1.623	1.900		29.3	25.0	17.1	20.0
Ethanol	Ave	0.0110	0.0124		1120	1000	12.2	20.0
Isopropyl alcohol	Ave	0.0784	0.1240		396	250	58.2*	20.0
Acetonitrile	Ave	0.1228	0.1383		282	250	12.6	20.0
Isopropyl ether	Ave	4.804	5.880		30.6	25.0	22.4*	20.0
Chloroprene	Ave	2.369	2.729		28.8	25.0	15.2	20.0
1,1-Dimethoxyethane	Ave	0.3413	0.3367		123	125	-1.4	20.0
Tert-butyl ethyl ether	Ave	4.493	4.942		27.5	25.0	10.0	20.0
Ethyl acetate	Ave	2.006	2.103		52.4	50.0	4.9	20.0
Propionitrile	Ave	0.2450	0.3352		342	250	36.8*	20.0
Methacrylonitrile	Ave	1.261	1.377		273	250	9.2	20.0
Isooctane	Ave	5.040	5.847		29.0	25.0	16.0	20.0
Tert-amyl methyl ether	Ave	4.911	5.162		26.3	25.0	5.1	20.0
t-Amyl alcohol	Lin1		0.1844		229	250	-8.6	20.0
1,4-Difluorobenzene	Ave	3.906	4.316		27.6	25.0	10.5	20.0
n-Butanol	Ave	0.0398	0.0546		857	625	37.1*	20.0
Ethyl acrylate	Lin1		2.613		26.2	25.0	4.7	20.0
Methyl methacrylate	Ave	1.740	1.809		52.0	50.0	4.0	20.0
2-Nitropropane	Ave	0.3510	0.2684		38.2	50.0	-23.5*	20.0
Epichlorohydrin	Ave	0.2180	0.2336		268	250	7.2	20.0
2-Methylthiophene	Ave	2.721	2.710		24.9	25.0	-0.4	20.0
3-Methylthiophene	Ave	2.855	2.824		24.7	25.0	-1.1	20.0
n-Butyl acetate	Ave	2.868	3.094	0.1000	27.0	25.0	7.9	20.0
1-Chlorohexane	Ave	0.7353	0.8041		27.3	25.0	9.4	20.0
3-Chlorobenzotrifluoride	Ave	1.020	1.172		28.7	25.0	14.9	20.0
4-Chlorobenzotrifluoride	Ave	0.9529	1.114		29.2	25.0	16.9	20.0
2-Chlorobenzotrifluoride	Ave	1.048	1.193		28.5	25.0	13.9	20.0
Cyclohexanone	Ave	0.0380	0.0370		243	250	-2.6	20.0
3-Chlorotoluene	Ave	0.8510	0.8776		25.8	25.0	3.1	20.0
Pentachloroethane	Ave	0.3966	0.4704		29.7	25.0	18.6	20.0
Dicyclopentadiene	Ave	4.050	3.852		23.8	25.0	-4.9	20.0
1,2,3-Trimethylbenzene	Ave	3.153	3.362		26.7	25.0	6.6	20.0
Benzyl chloride	Ave	0.3124	0.3423		27.4	25.0	9.6	20.0
1,3,5-Trichlorobenzene	Ave	1.255	1.388		27.6	25.0	10.6	20.0
2-Methylnaphthalene	Ave	2.233	1.782		20.0	25.0	-20.2*	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3700.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 06-Jan-2020 08:57:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Misc. Info.: 480-0087323-004
Operator ID: AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub61

Method: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Jan-2020 09:17:28 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: moffata Date: 06-Jan-2020 09:17:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	150005	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	87	318203	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.821	10.821	0.000	67	287223	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	71	182338	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	62	130043	25.0	26.1	
$ 5 Toluene-d8 (Surr)	98	6.951	6.951	0.000	94	765099	25.0	25.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	85	235437	25.0	28.3	
11 Chlorodifluoromethane	51	1.288	1.288	0.000	79	285052	25.0	29.3	
148 Ethanol	45	2.450	2.450	0.000	98	74195	1000.0	1122.0	
19 Propene oxide	58	2.523	2.523	0.000	95	330568	NC	NC	
24 Isopropyl alcohol	45	2.967	2.967	0.000	98	186001	250.0	395.5	
29 Acetonitrile	40	3.094	3.094	0.000	99	207396	250.0	281.5	
36 Isopropyl ether	45	3.837	3.837	0.000	95	881969	25.0	30.6	
40 2-Chloro-1,3-butadiene	53	3.885	3.885	0.000	85	409385	25.0	28.8	
38 1,1-Dimethoxyethane	75	3.916	3.916	0.000	65	252555	125.0	123.3	
41 Tert-butyl ethyl ether	59	4.177	4.177	0.000	98	741348	25.0	27.5	
42 Ethyl acetate	43	4.457	4.457	0.000	99	630948	50.0	52.4	
46 Propionitrile	54	4.530	4.530	0.000	100	502878	250.0	342.0	
47 Methacrylonitrile	41	4.640	4.640	0.000	96	2065020	250.0	272.9	
152 Isooctane	57	5.157	5.157	0.000	96	877134	25.0	29.0	
56 Tert-amyl methyl ether	73	5.242	5.242	0.000	88	774254	25.0	26.3	
147 t-Amyl alcohol	59	5.248	5.248	0.000	57	276551	250.0	228.6	
1 1,4-Difluorobenzene	114	5.552	5.552	0.000	96	647346	25.0	27.6	
60 n-Butanol	56	5.814	5.814	0.000	91	204684	625.0	856.6	
142 Ethyl acrylate	55	5.905	5.905	0.000	97	391890	25.0	26.2	
63 Methyl methacrylate	41	6.124	6.124	0.000	94	542850	50.0	52.0	
70 2-Nitropropane	43	6.574	6.574	0.000	99	154191	50.0	38.2	
71 Epichlorohydrin	57	6.690	6.690	0.000	97	350347	250.0	267.9	
76 2-Methylthiophene	97	7.158	7.158	0.000	97	778325	25.0	24.9	
78 3-Methylthiophene	97	7.323	7.323	0.000	99	811125	25.0	24.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
155 n-Butyl acetate	43	7.827	7.827	0.000	98	464050	25.0	27.0	
146 1-Chlorohexane	55	8.418	8.418	0.000	89	255869	25.0	27.3	
85 3-Chlorobenzotrifluoride	180	8.436	8.436	0.000	86	336644	25.0	28.7	
86 4-Chlorobenzotrifluoride	180	8.497	8.497	0.000	92	320023	25.0	29.2	
93 2-Chlorobenzotrifluoride	180	9.415	9.415	0.000	95	342737	25.0	28.5	
96 Cyclohexanone	55	9.665	9.665	0.000	92	106249	250.0	243.4	
104 3-Chlorotoluene	126	10.084	10.084	0.000	98	252078	25.0	25.8	
108 Pentachloroethane	167	10.474	10.474	0.000	83	135095	25.0	29.7	
114 Dicyclopentadiene	66	10.821	10.821	0.000	96	1106383	25.0	23.8	
112 1,2,3-Trimethylbenzene	105	10.869	10.869	0.000	67	965594	25.0	26.7	
150 Benzyl chloride	126	10.997	10.997	0.000	98	108924	25.0	27.4	
118 1,3,5-Trichlorobenzene	180	12.056	12.056	0.000	96	398614	25.0	27.6	
149 2-Methylnaphthalene	142	13.722	13.722	0.000	90	511915	25.0	20.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

2 MTP 2019_00016	Amount Added:	12.50	Units: uL	
3 MTP 2019_00016	Amount Added:	12.50	Units: uL	
ADD CORP mix_00096	Amount Added:	12.50	Units: uL	
S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

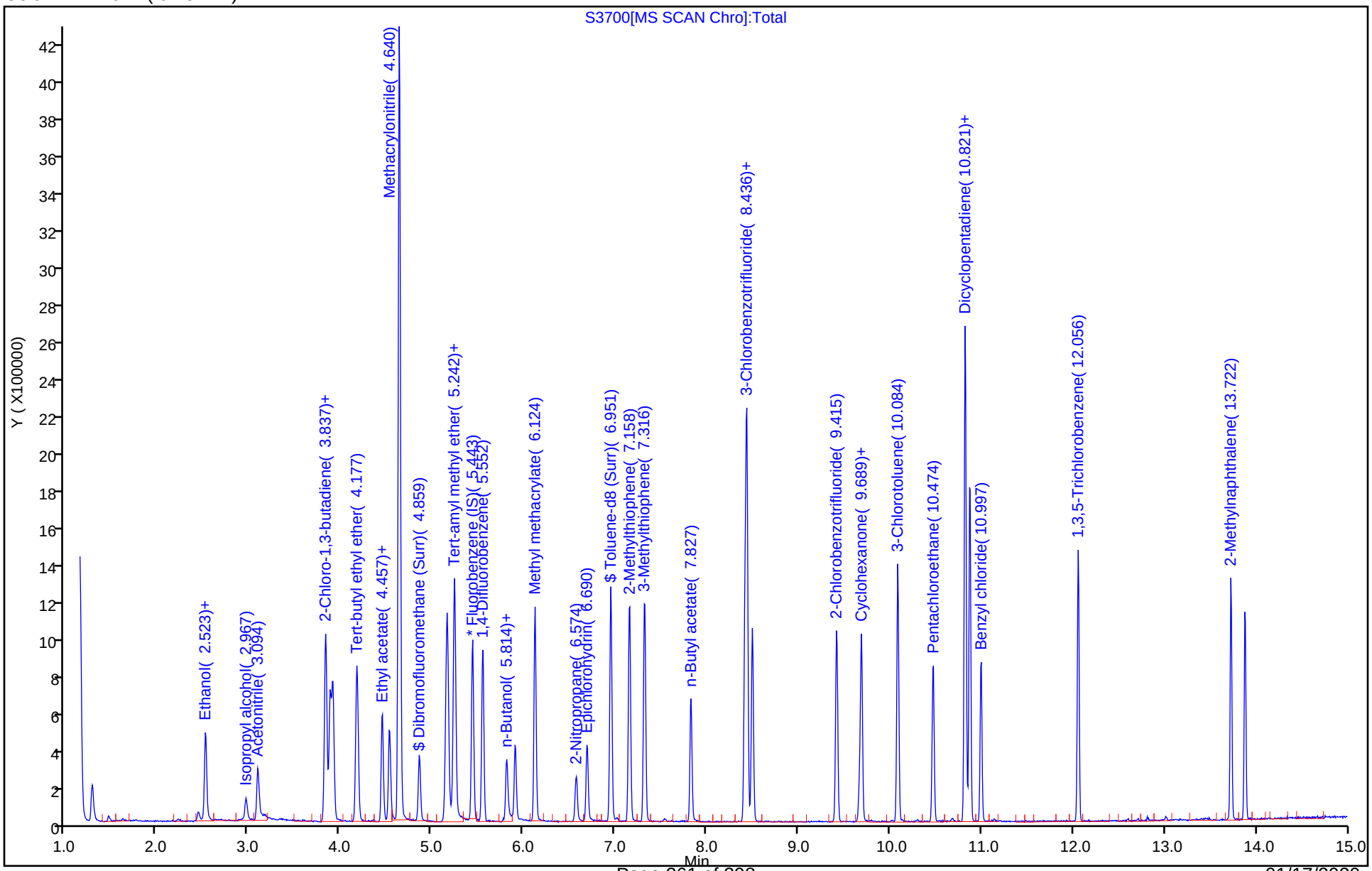
Report Date: 06-Jan-2020 09:17:29 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3700.D

Injection Date:	06-Jan-2020 08:57:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCVIS 480-512586/3 Calibration Date: 01/07/2020 08:33

Instrument ID: HP5973S Calib Start Date: 11/18/2019 12:00

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2019 14:41

Lab File ID: S3720.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.599	1.771	0.1000	27.7	25.0	10.7	50.0
Chloromethane	Ave	1.877	2.130	0.1000	28.4	25.0	13.5	20.0
Vinyl chloride	Ave	1.533	1.649	0.1000	26.9	25.0	7.6	20.0
Butadiene	Ave	1.638	1.886		28.8	25.0	15.2	20.0
Bromomethane	Ave	0.9797	1.027	0.1000	26.2	25.0	4.8	50.0
Chloroethane	Ave	1.020	1.044	0.1000	25.6	25.0	2.4	50.0
Dichlorofluoromethane	Ave	2.240	2.199		24.5	25.0	-1.8	20.0
Trichlorofluoromethane	Ave	1.887	2.270	0.1000	30.1	25.0	20.3*	20.0
Ethyl ether	Ave	1.253	1.422		28.4	25.0	13.5	20.0
Acrolein	Ave	0.3842	0.2867		93.3	125	-25.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.057	1.295	0.1000	30.6	25.0	22.5*	20.0
1,1-Dichloroethene	Ave	1.154	1.179	0.1000	25.6	25.0	2.2	20.0
Acetone	Ave	0.6024	0.7573	0.1000	157	125	25.7	50.0
Iodomethane	Ave	1.943	2.172		28.0	25.0	11.8	20.0
Carbon disulfide	Ave	3.789	4.185	0.1000	27.6	25.0	10.5	20.0
Allyl chloride	Ave	2.484	2.724		27.4	25.0	9.7	20.0
Methyl acetate	Ave	1.497	1.722	0.1000	57.5	50.0	15.0	50.0
Methylene Chloride	Lin1		1.456	0.1000	27.0	25.0	7.8	20.0
2-Methyl-2-propanol	Ave	0.1732	0.2260		326	250	30.5	50.0
Methyl tert-butyl ether	Ave	3.920	3.792	0.1000	24.2	25.0	-3.3	20.0
trans-1,2-Dichloroethene	Ave	1.287	1.354	0.1000	26.3	25.0	5.2	20.0
Acrylonitrile	Ave	0.7013	0.8842		315	250	26.1*	20.0
Hexane	Ave	2.339	2.530		27.0	25.0	8.2	20.0
1,1-Dichloroethane	Ave	2.546	2.736	0.2000	26.9	25.0	7.5	20.0
Vinyl acetate	Ave	3.759	4.503		59.9	50.0	19.8	20.0
2,2-Dichloropropane	Ave	1.269	1.410		27.8	25.0	11.1	20.0
cis-1,2-Dichloroethene	Ave	1.438	1.529	0.1000	26.6	25.0	6.3	20.0
2-Butanone (MEK)	Ave	0.9207	1.136	0.1000	154	125	23.4*	20.0
Chlorobromomethane	Ave	0.7125	0.7658		26.9	25.0	7.5	20.0
Tetrahydrofuran	Ave	0.6134	0.7281		59.3	50.0	18.7	20.0
Chloroform	Ave	2.567	2.580	0.2000	25.1	25.0	0.5	20.0
1,1,1-Trichloroethane	Ave	2.010	2.168	0.1000	27.0	25.0	7.9	20.0
Cyclohexane	Ave	2.680	3.050	0.1000	28.4	25.0	13.8	20.0
Carbon tetrachloride	Ave	1.738	1.873	0.1000	26.9	25.0	7.7	20.0
1,1-Dichloropropene	Ave	1.819	2.041		28.1	25.0	12.2	20.0
Benzene	Ave	5.382	5.836	0.5000	27.1	25.0	8.4	20.0
Isobutyl alcohol	Ave	0.0802	0.0990		772	625	23.5	50.0
1,2-Dichloroethane	Ave	2.241	2.314	0.1000	25.8	25.0	3.2	20.0
n-Heptane	Ave	2.835	2.798		24.7	25.0	-1.3	20.0
Trichloroethene	Ave	1.390	1.507	0.2000	27.1	25.0	8.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCVIS 480-512586/3 Calibration Date: 01/07/2020 08:33

Instrument ID: HP5973S Calib Start Date: 11/18/2019 12:00

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2019 14:41

Lab File ID: S3720.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.343	2.628	0.1000	28.0	25.0	12.2	20.0
1,2-Dichloropropane	Ave	1.420	1.561	0.1000	27.5	25.0	9.9	20.0
Dibromomethane	Ave	0.8932	0.9499	0.1000	26.6	25.0	6.3	20.0
1,4-Dioxane	Ave	0.0080	0.0110		683	500	36.7	50.0
Bromodichloromethane	Ave	1.799	1.963	0.2000	27.3	25.0	9.1	20.0
2-Chloroethyl vinyl ether	Ave	1.002	1.197		29.9	25.0	19.4	20.0
cis-1,3-Dichloropropene	Ave	2.234	2.369	0.2000	26.5	25.0	6.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9669	1.121	0.1000	145	125	16.0	20.0
Toluene	Ave	1.638	1.811	0.4000	27.6	25.0	10.6	20.0
trans-1,3-Dichloropropene	Ave	1.021	1.159	0.1000	28.4	25.0	13.6	20.0
Ethyl methacrylate	Ave	0.9206	1.023		27.8	25.0	11.1	20.0
1,1,2-Trichloroethane	Ave	0.4996	0.5706	0.1000	28.6	25.0	14.2	20.0
Tetrachloroethene	Ave	0.6527	0.8115	0.2000	31.1	25.0	24.3*	20.0
1,3-Dichloropropane	Ave	1.065	1.198		28.1	25.0	12.4	20.0
2-Hexanone	Ave	0.6994	0.8154	0.1000	146	125	16.6	20.0
Dibromochloromethane	Ave	0.6020	0.6653	0.1000	27.6	25.0	10.5	20.0
1,2-Dibromoethane	Ave	0.6288	0.7047		28.0	25.0	12.1	20.0
Chlorobenzene	Ave	1.757	1.948	0.5000	27.7	25.0	10.9	20.0
Ethylbenzene	Ave	3.032	3.404	0.1000	28.1	25.0	12.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6161	0.6610		26.8	25.0	7.3	20.0
m,p-Xylene	Ave	1.171	1.317	0.1000	28.1	25.0	12.4	20.0
o-Xylene	Ave	1.171	1.239	0.3000	26.5	25.0	5.8	20.0
Styrene	Ave	1.914	2.148	0.3000	28.1	25.0	12.3	20.0
Bromoform	Ave	0.4014	0.4584	0.1000	28.5	25.0	14.2	50.0
Isopropylbenzene	Ave	3.597	3.673	0.1000	25.5	25.0	2.1	20.0
Bromobenzene	Ave	0.8521	0.9026		26.5	25.0	5.9	20.0
1,1,2,2-Tetrachloroethane	Ave	1.063	1.023	0.3000	24.1	25.0	-3.7	20.0
N-Propylbenzene	Ave	4.380	4.516		25.8	25.0	3.1	20.0
1,2,3-Trichloropropane	Ave	0.3459	0.3535		25.6	25.0	2.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4112	0.3689		22.4	25.0	-10.3	50.0
2-Chlorotoluene	Ave	0.8313	0.8100		24.4	25.0	-2.6	20.0
1,3,5-Trimethylbenzene	Ave	3.029	3.116		25.7	25.0	2.9	20.0
4-Chlorotoluene	Ave	0.8472	0.8611		25.4	25.0	1.6	20.0
tert-Butylbenzene	Ave	0.6579	0.6662		25.3	25.0	1.3	20.0
1,2,4-Trimethylbenzene	Ave	3.112	3.074		24.7	25.0	-1.2	20.0
sec-Butylbenzene	Ave	3.758	3.825		25.4	25.0	1.8	20.0
1,3-Dichlorobenzene	Ave	1.635	1.774	0.6000	27.1	25.0	8.5	20.0
4-Isopropyltoluene	Ave	3.209	3.273		25.5	25.0	2.0	20.0
1,4-Dichlorobenzene	Ave	1.660	1.819	0.5000	27.4	25.0	9.6	20.0
n-Butylbenzene	Ave	3.032	2.992		24.7	25.0	-1.3	20.0
1,2-Dichlorobenzene	Ave	1.581	1.652	0.4000	26.1	25.0	4.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCVIS 480-512586/3 Calibration Date: 01/07/2020 08:33

Instrument ID: HP5973S Calib Start Date: 11/18/2019 12:00

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2019 14:41

Lab File ID: S3720.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2445	0.1780	0.0500	18.2	25.0	-27.2	50.0
1,2,4-Trichlorobenzene	Ave	1.076	0.9831	0.2000	22.8	25.0	-8.6	20.0
Hexachlorobutadiene	Ave	0.4755	0.4420		23.2	25.0	-7.1	20.0
Naphthalene	Ave	3.258	2.558		19.6	25.0	-21.5*	20.0
1,2,3-Trichlorobenzene	Ave	0.9911	0.8715		22.0	25.0	-12.1	20.0
Dibromofluoromethane (Surr)	Ave	1.177	1.188		25.2	25.0	0.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8310	0.8213		24.7	25.0	-1.2	20.0
Toluene-d8 (Surr)	Ave	2.325	2.379		25.6	25.0	2.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6537	0.7401		28.3	25.0	13.2	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3720.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Jan-2020 08:33:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0087345-003
Operator ID: CL Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Jan-2020 11:44:09 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: HillL Date: 07-Jan-2020 11:44:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	158135	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	87	324097	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.827	10.827	0.000	70	296160	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	56	187836	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	52	129871	25.0	24.7	
$ 5 Toluene-d8 (Surr)	98	6.951	6.951	0.000	80	771011	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	85	239874	25.0	28.3	
10 Dichlorodifluoromethane	85	1.263	1.263	0.000	87	279987	25.0	27.7	
12 Chloromethane	50	1.440	1.440	0.000	89	336761	25.0	28.4	
13 Vinyl chloride	62	1.531	1.531	0.000	82	260835	25.0	26.9	
151 Butadiene	54	1.543	1.543	0.000	89	298228	25.0	28.8	
14 Bromomethane	94	1.835	1.835	0.000	92	162361	25.0	26.2	
15 Chloroethane	64	1.926	1.926	0.000	94	165043	25.0	25.6	
16 Dichlorofluoromethane	67	2.145	2.145	0.000	80	347758	25.0	24.5	
17 Trichlorofluoromethane	101	2.152	2.152	0.000	73	358930	25.0	30.1	
18 Ethyl ether	59	2.431	2.431	0.000	94	224937	25.0	28.4	
20 Acrolein	56	2.620	2.620	0.000	93	226710	125.0	93.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.650	2.650	0.000	59	204789	25.0	30.6	
22 1,1-Dichloroethene	96	2.650	2.650	0.000	86	186504	25.0	25.6	
23 Acetone	43	2.778	2.778	0.000	100	598792	125.0	157.1	
25 Iodomethane	142	2.809	2.809	0.000	99	343473	25.0	28.0	
26 Carbon disulfide	76	2.845	2.845	0.000	100	661738	25.0	27.6	
28 3-Chloro-1-propene	41	3.028	3.028	0.000	86	430751	25.0	27.4	
27 Methyl acetate	43	3.076	3.076	0.000	96	544748	50.0	57.5	
30 Methylene Chloride	84	3.174	3.174	0.000	93	230315	25.0	27.0	
31 2-Methyl-2-propanol	59	3.356	3.356	0.000	95	357431	250.0	326.3	
32 Methyl tert-butyl ether	73	3.386	3.386	0.000	92	599586	25.0	24.2	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	87	214180	25.0	26.3	
33 Acrylonitrile	53	3.466	3.466	0.000	98	1398250	250.0	315.2	
35 Hexane	57	3.599	3.599	0.000	94	400057	25.0	27.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.825	3.825	0.000	85	432716	25.0	26.9	
37 Vinyl acetate	43	3.885	3.885	0.000	97	1424008	50.0	59.9	
44 2,2-Dichloropropane	77	4.348	4.348	0.000	91	222975	25.0	27.8	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	67	241835	25.0	26.6	
43 2-Butanone (MEK)	43	4.427	4.427	0.000	97	898571	125.0	154.3	
48 Chlorobromomethane	128	4.621	4.621	0.000	87	121100	25.0	26.9	
49 Tetrahydrofuran	42	4.640	4.640	0.000	90	230262	50.0	59.3	
50 Chloroform	83	4.701	4.701	0.000	81	407937	25.0	25.1	
52 Cyclohexane	56	4.810	4.810	0.000	93	482232	25.0	28.4	
51 1,1,1-Trichloroethane	97	4.810	4.810	0.000	81	342816	25.0	27.0	
55 Carbon tetrachloride	117	4.950	4.950	0.000	77	296172	25.0	26.9	
54 1,1-Dichloropropene	75	4.962	4.962	0.000	90	322819	25.0	28.1	
57 Benzene	78	5.169	5.169	0.000	96	922880	25.0	27.1	
53 Isobutyl alcohol	43	5.193	5.193	0.000	94	391392	625.0	772.0	
58 1,2-Dichloroethane	62	5.242	5.242	0.000	73	365888	25.0	25.8	
59 n-Heptane	43	5.345	5.345	0.000	94	442437	25.0	24.7	
62 Trichloroethene	95	5.783	5.783	0.000	93	238330	25.0	27.1	
64 Methylcyclohexane	83	5.893	5.893	0.000	95	415569	25.0	28.0	
65 1,2-Dichloropropane	63	6.021	6.021	0.000	90	246852	25.0	27.5	
67 Dibromomethane	93	6.161	6.161	0.000	91	150215	25.0	26.6	
66 1,4-Dioxane	88	6.167	6.167	0.000	44	71275	500.0	683.4	M
68 Dichlorobromomethane	83	6.319	6.319	0.000	92	310347	25.0	27.3	
69 2-Chloroethyl vinyl ether	63	6.599	6.599	0.000	91	189311	25.0	29.9	
72 cis-1,3-Dichloropropene	75	6.732	6.732	0.000	86	374596	25.0	26.5	
73 4-Methyl-2-pentanone (MIBK	43	6.878	6.878	0.000	98	1817241	125.0	145.0	
74 Toluene	92	7.018	7.018	0.000	94	586884	25.0	27.6	
77 trans-1,3-Dichloropropene	75	7.304	7.304	0.000	95	375626	25.0	28.4	
75 Ethyl methacrylate	69	7.347	7.347	0.000	87	331612	25.0	27.8	
79 1,1,2-Trichloroethane	83	7.493	7.493	0.000	83	184931	25.0	28.6	
81 Tetrachloroethene	166	7.548	7.548	0.000	79	263003	25.0	31.1	
82 1,3-Dichloropropane	76	7.651	7.651	0.000	95	388163	25.0	28.1	
80 2-Hexanone	43	7.718	7.718	0.000	95	1321314	125.0	145.7	
83 Chlorodibromomethane	129	7.888	7.888	0.000	86	215617	25.0	27.6	
84 Ethylene Dibromide	107	7.998	7.998	0.000	99	228394	25.0	28.0	
87 Chlorobenzene	112	8.466	8.466	0.000	90	631388	25.0	27.7	
88 Ethylbenzene	91	8.558	8.558	0.000	98	1103222	25.0	28.1	
89 1,1,1,2-Tetrachloroethane	131	8.564	8.564	0.000	41	214240	25.0	26.8	
90 m-Xylene & p-Xylene	106	8.679	8.679	0.000	98	426751	25.0	28.1	
91 o-Xylene	106	9.105	9.105	0.000	98	401578	25.0	26.5	
92 Styrene	104	9.135	9.135	0.000	94	696318	25.0	28.1	
95 Bromoform	173	9.391	9.391	0.000	94	148552	25.0	28.5	
94 Isopropylbenzene	105	9.488	9.488	0.000	95	1087923	25.0	25.5	
101 Bromobenzene	156	9.835	9.835	0.000	97	267300	25.0	26.5	
97 1,1,2,2-Tetrachloroethane	83	9.896	9.896	0.000	81	303084	25.0	24.1	
99 N-Propylbenzene	91	9.914	9.914	0.000	99	1337448	25.0	25.8	
100 1,2,3-Trichloropropane	110	9.932	9.932	0.000	79	104698	25.0	25.6	
98 trans-1,4-Dichloro-2-buten	53	9.945	9.945	0.000	75	109256	25.0	22.4	
103 2-Chlorotoluene	126	10.018	10.018	0.000	94	239885	25.0	24.4	
102 1,3,5-Trimethylbenzene	105	10.097	10.097	0.000	92	922759	25.0	25.7	
105 4-Chlorotoluene	126	10.133	10.133	0.000	97	255030	25.0	25.4	
106 tert-Butylbenzene	134	10.413	10.413	0.000	92	197291	25.0	25.3	
107 1,2,4-Trimethylbenzene	105	10.462	10.462	0.000	71	910264	25.0	24.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.620	10.620	0.000	93	1132742	25.0	25.4	
111 1,3-Dichlorobenzene	146	10.760	10.760	0.000	72	525304	25.0	27.1	
110 4-Isopropyltoluene	119	10.760	10.760	0.000	95	969417	25.0	25.5	
113 1,4-Dichlorobenzene	146	10.845	10.845	0.000	93	538837	25.0	27.4	
115 n-Butylbenzene	91	11.143	11.143	0.000	95	886145	25.0	24.7	
116 1,2-Dichlorobenzene	146	11.198	11.198	0.000	90	489291	25.0	26.1	
117 1,2-Dibromo-3-Chloropropan	75	11.934	11.934	0.000	69	52715	25.0	18.2	
119 1,2,4-Trichlorobenzene	180	12.597	12.597	0.000	92	291153	25.0	22.8	
120 Hexachlorobutadiene	225	12.707	12.707	0.000	92	130904	25.0	23.2	
121 Naphthalene	128	12.816	12.816	0.000	98	757616	25.0	19.6	
122 1,2,3-Trichlorobenzene	180	13.017	13.017	0.000	94	258113	25.0	22.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00176	Amount Added: 12.50	Units: uL	
GAS CORP mix_00378	Amount Added: 12.50	Units: uL	
S_8260_IS_00330	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added: 1.00	Units: uL	Run Reagent

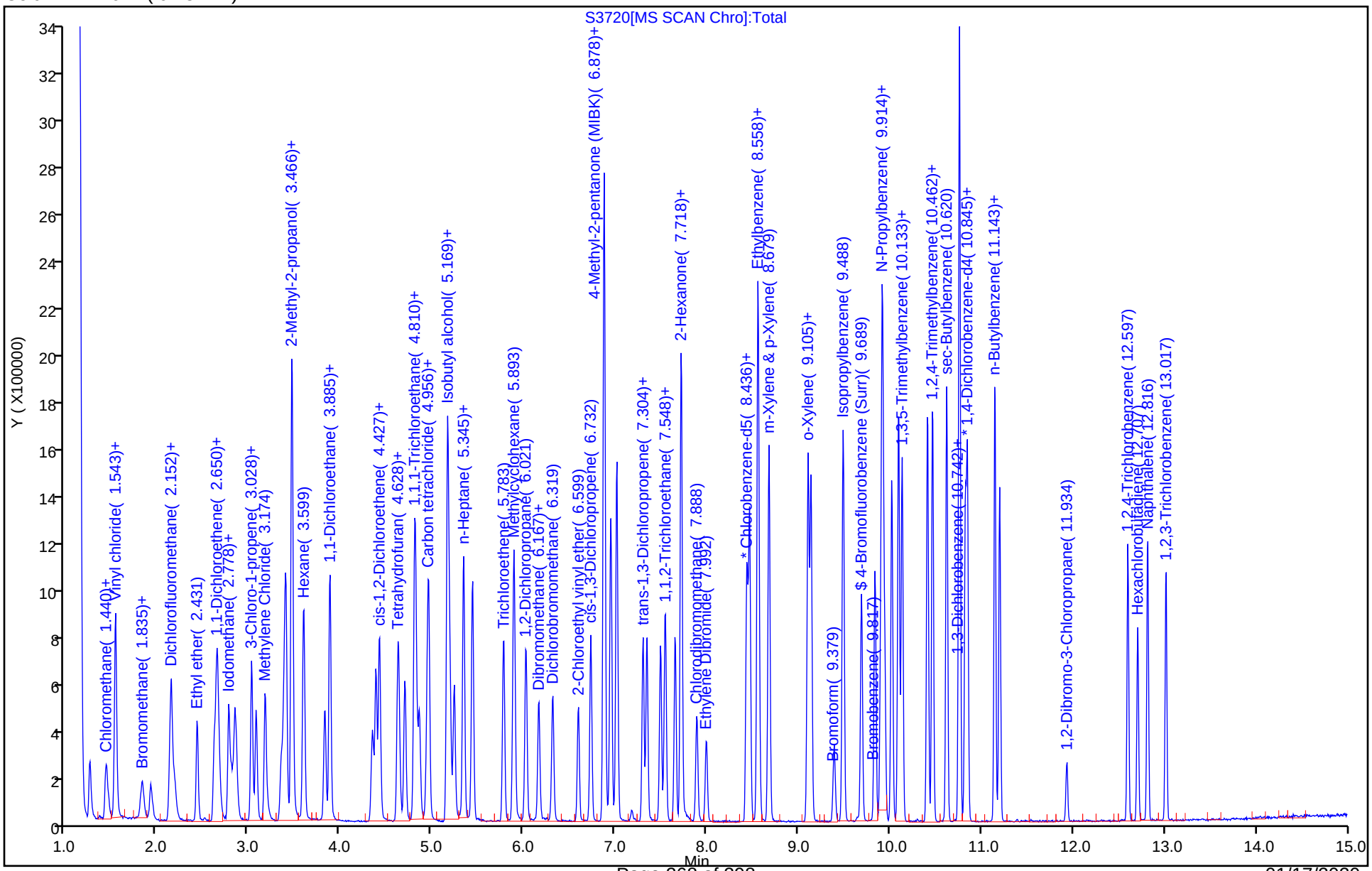
Report Date: 07-Jan-2020 11:44:11 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3720.D

Injection Date:	07-Jan-2020 08:33:30	Instrument ID:	HP5973S	Operator ID:	CL
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

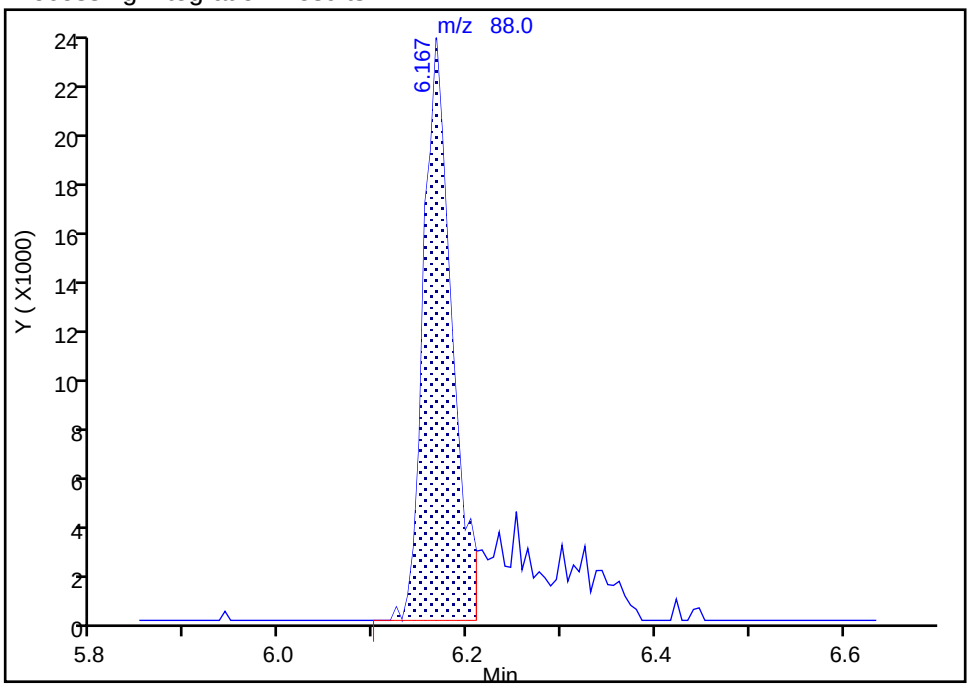
Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3720.D
Injection Date: 07-Jan-2020 08:33:30 Instrument ID: HP5973S
Lims ID: CCVIS
Client ID:
Operator ID: CL ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

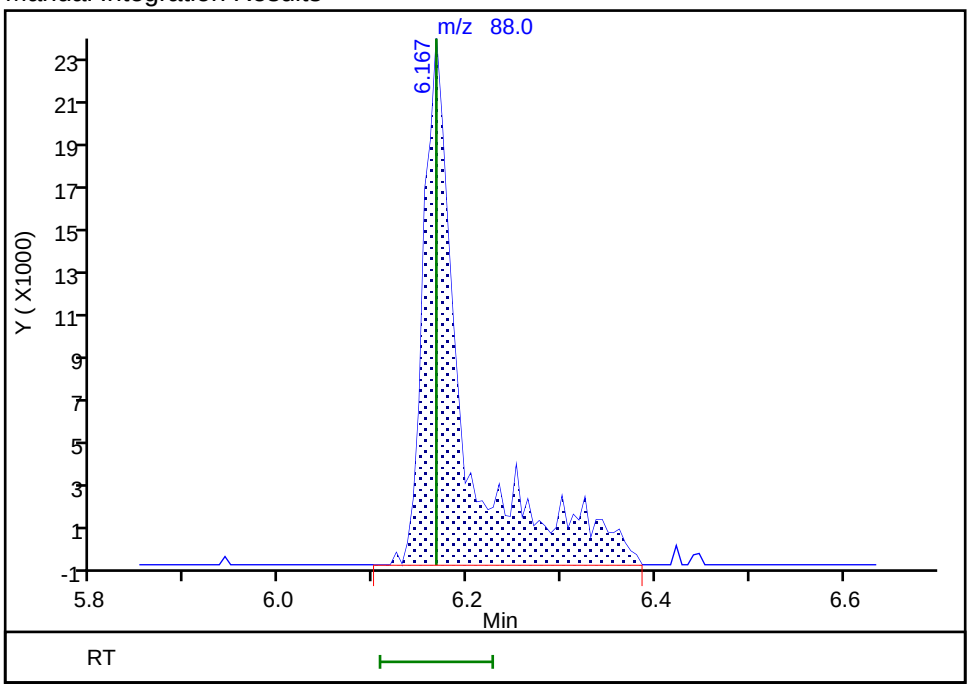
Processing Integration Results

RT: 6.17
Area: 49730
Amount: 476.8452
Amount Units: ug/L



Manual Integration Results

RT: 6.17
Area: 71275
Amount: 683.4334
Amount Units: ug/L



Reviewer: lapointec, 07-Jan-2020 08:54:32
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCV 480-512586/4 Calibration Date: 01/07/2020 09:13

Instrument ID: HP5973S Calib Start Date: 11/18/2019 12:00

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2019 14:41

Lab File ID: S3721.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	1.177	1.179		25.0	25.0	0.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8310	0.8963		27.0	25.0	7.9	20.0
Toluene-d8 (Surr)	Ave	2.325	2.386		25.7	25.0	2.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6537	0.7466		28.6	25.0	14.2	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3721.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 07-Jan-2020 09:13:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Misc. Info.: 480-0087345-004
Operator ID: CL Instrument ID: HP5973S
Sublist: chrom-S-8260*sub61

Method: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Jan-2020 09:57:23 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 07-Jan-2020 09:57:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.437	5.437	0.000	97	153127	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	87	319422	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.821	10.821	0.000	68	302550	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.865	4.865	0.000	58	180591	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	61	137251	25.0	27.0	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.000	93	762170	25.0	25.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	86	238470	25.0	28.6	
11 Chlorodifluoromethane	51	1.282	1.282	0.000	79	294277	25.0	29.6	
148 Ethanol	45	2.444	2.444	0.000	97	77713	1000.0	1151.3	
19 Propene oxide	58	2.523	2.523	0.000	95	333643	NC	NC	
24 Isopropyl alcohol	45	2.967	2.967	0.000	98	208546	250.0	434.4	
29 Acetonitrile	40	3.095	3.095	0.000	98	209972	250.0	279.2	
36 Isopropyl ether	45	3.837	3.837	0.000	95	863319	25.0	29.3	
40 2-Chloro-1,3-butadiene	53	3.885	3.885	0.000	85	418168	25.0	28.8	
38 1,1-Dimethoxyethane	75	3.916	3.916	0.000	69	281699	125.0	134.7	
41 Tert-butyl ethyl ether	59	4.177	4.177	0.000	98	695393	25.0	25.3	
42 Ethyl acetate	43	4.451	4.451	0.000	99	686509	50.0	55.9	
46 Propionitrile	54	4.530	4.530	0.000	99	541410	250.0	360.7	
47 Methacrylonitrile	41	4.640	4.640	0.000	95	2138781	250.0	276.9	
152 Isooctane	57	5.157	5.157	0.000	97	954860	25.0	30.9	
56 Tert-amyl methyl ether	73	5.242	5.242	0.000	86	761560	25.0	25.3	
147 t-Amyl alcohol	59	5.248	5.248	0.000	58	334096	250.0	270.0	
1 1,4-Difluorobenzene	114	5.552	5.552	0.000	95	635334	25.0	26.6	
60 n-Butanol	56	5.814	5.814	0.000	90	233037	625.0	955.3	
142 Ethyl acrylate	55	5.905	5.905	0.000	97	415357	25.0	27.2	
63 Methyl methacrylate	41	6.124	6.124	0.000	93	573419	50.0	53.8	
70 2-Nitropropane	43	6.574	6.574	0.000	98	152488	50.0	35.9	
71 Epichlorohydrin	57	6.690	6.690	0.000	98	382736	250.0	286.7	
76 2-Methylthiophene	97	7.152	7.152	0.000	98	786930	25.0	23.9	
78 3-Methylthiophene	97	7.323	7.323	0.000	100	814829	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
155 n-Butyl acetate	43	7.828	7.828	0.000	98	501508	25.0	28.5	
146 1-Chlorohexane	55	8.418	8.418	0.000	90	269127	25.0	28.6	
85 3-Chlorobenzotrifluoride	180	8.436	8.436	0.000	85	355370	25.0	28.8	
86 4-Chlorobenzotrifluoride	180	8.497	8.497	0.000	94	326991	25.0	28.4	
93 2-Chlorobenzotrifluoride	180	9.421	9.421	0.000	95	339034	25.0	26.7	
96 Cyclohexanone	55	9.665	9.665	0.000	93	122148	250.0	265.7	
104 3-Chlorotoluene	126	10.085	10.085	0.000	97	243206	25.0	23.6	
108 Pentachloroethane	167	10.474	10.474	0.000	83	139497	25.0	29.1	
114 Dicyclopentadiene	66	10.821	10.821	0.000	95	1110095	25.0	22.7	
112 1,2,3-Trimethylbenzene	105	10.875	10.875	0.000	44	952319	25.0	25.0	
150 Benzyl chloride	126	10.997	10.997	0.000	98	114094	25.0	28.6	
118 1,3,5-Trichlorobenzene	180	12.056	12.056	0.000	96	416293	25.0	27.4	
149 2-Methylnaphthalene	142	13.723	13.723	0.000	88	600754	25.0	22.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

2 MTP 2019_00016	Amount Added:	12.50	Units: uL	
3 MTP 2019_00016	Amount Added:	12.50	Units: uL	
ADD CORP mix_00096	Amount Added:	12.50	Units: uL	
S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

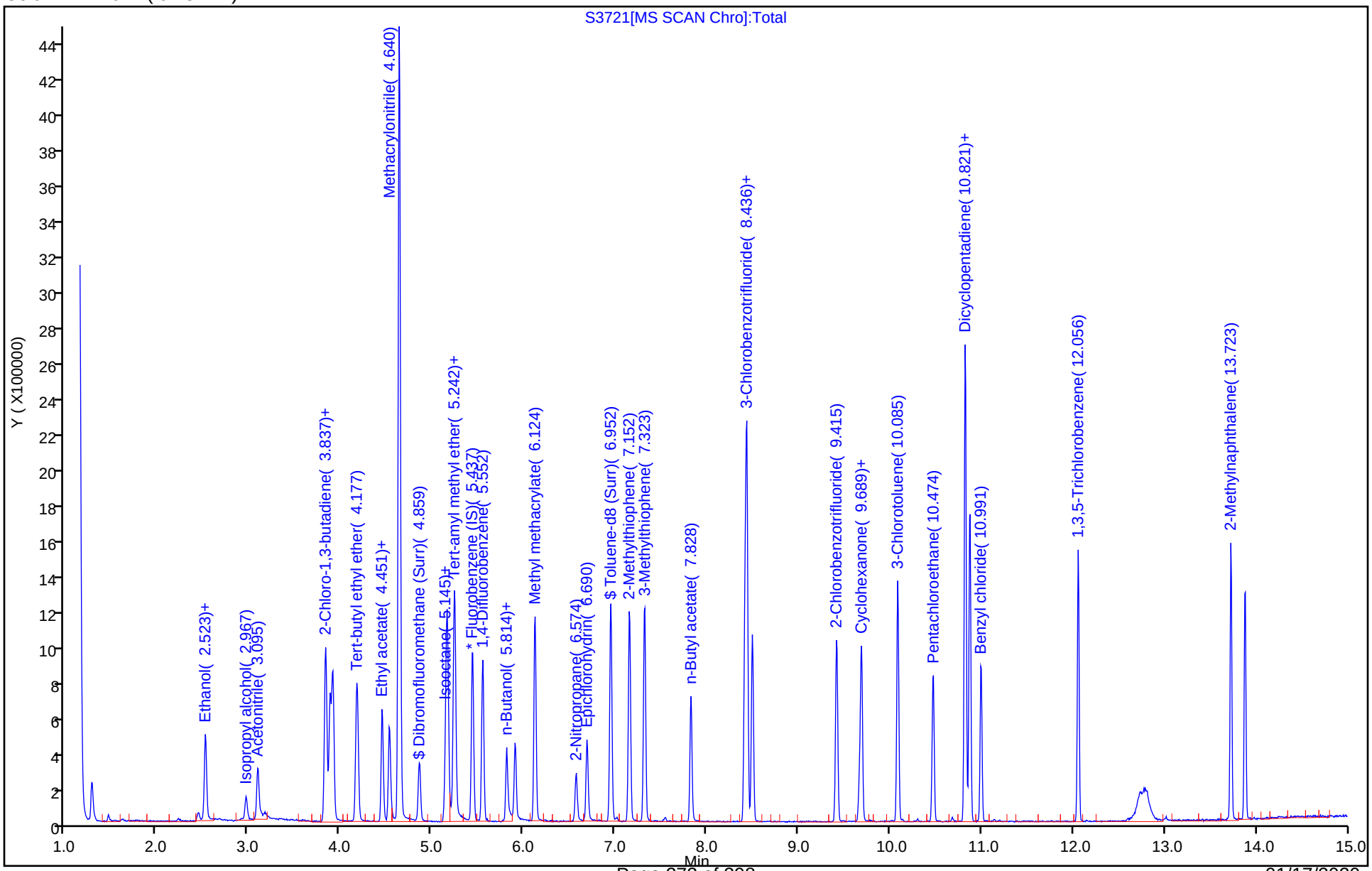
Report Date: 07-Jan-2020 09:57:24 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3721.D

Injection Date:	07-Jan-2020 09:13:30	Instrument ID:	HP5973S	Operator ID:	CL
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCV 480-512586/4 Calibration Date: 01/07/2020 09:13

Instrument ID: HP5973S Calib Start Date: 11/18/2019 16:36

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2019 18:54

Lab File ID: S3721.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	1.623	1.922		29.6	25.0	18.4	20.0
Ethanol	Ave	0.0110	0.0127		1150	1000	15.1	20.0
Isopropyl alcohol	Ave	0.0784	0.1362		434	250	73.8*	20.0
Acetonitrile	Ave	0.1228	0.1371		279	250	11.7	20.0
Isopropyl ether	Ave	4.804	5.638		29.3	25.0	17.3	20.0
Chloroprene	Ave	2.369	2.731		28.8	25.0	15.3	20.0
1,1-Dimethoxyethane	Ave	0.3413	0.3679		135	125	7.8	20.0
Tert-butyl ethyl ether	Ave	4.493	4.541		25.3	25.0	1.1	20.0
Ethyl acetate	Ave	2.006	2.242		55.9	50.0	11.8	20.0
Propionitrile	Ave	0.2450	0.3536		361	250	44.3*	20.0
Methacrylonitrile	Ave	1.261	1.397		277	250	10.7	20.0
Isooctane	Ave	5.040	6.236		30.9	25.0	23.7*	20.0
Tert-amyl methyl ether	Ave	4.911	4.973		25.3	25.0	1.3	20.0
t-Amyl alcohol	Lin1		0.2182		270	250	8.0	20.0
1,4-Difluorobenzene	Ave	3.906	4.149		26.6	25.0	6.2	20.0
n-Butanol	Ave	0.0398	0.0609		955	625	52.9*	20.0
Ethyl acrylate	Lin1		2.713		27.2	25.0	8.7	20.0
Methyl methacrylate	Ave	1.740	1.872		53.8	50.0	7.6	20.0
2-Nitropropane	Ave	0.3510	0.2520		35.9	50.0	-28.2*	20.0
Epichlorohydrin	Ave	0.2180	0.2500		287	250	14.7	20.0
2-Methylthiophene	Ave	2.721	2.601		23.9	25.0	-4.4	20.0
3-Methylthiophene	Ave	2.855	2.693		23.6	25.0	-5.7	20.0
n-Butyl acetate	Ave	2.868	3.275	0.1000	28.5	25.0	14.2	20.0
1-Chlorohexane	Ave	0.7353	0.8425		28.6	25.0	14.6	20.0
3-Chlorobenzotrifluoride	Ave	1.020	1.175		28.8	25.0	15.1	20.0
4-Chlorobenzotrifluoride	Ave	0.9529	1.081		28.4	25.0	13.4	20.0
2-Chlorobenzotrifluoride	Ave	1.048	1.121		26.7	25.0	6.9	20.0
Cyclohexanone	Ave	0.0380	0.0404		266	250	6.3	20.0
3-Chlorotoluene	Ave	0.8510	0.8039		23.6	25.0	-5.5	20.0
Pentachloroethane	Ave	0.3966	0.4611		29.1	25.0	16.3	20.0
Dicyclopentadiene	Ave	4.050	3.669		22.7	25.0	-9.4	20.0
1,2,3-Trimethylbenzene	Ave	3.153	3.148		25.0	25.0	-0.2	20.0
Benzyl chloride	Ave	0.3124	0.3572		28.6	25.0	14.3	20.0
1,3,5-Trichlorobenzene	Ave	1.255	1.376		27.4	25.0	9.6	20.0
2-Methylnaphthalene	Ave	2.233	1.986		22.2	25.0	-11.1	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3721.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 07-Jan-2020 09:13:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Misc. Info.: 480-0087345-004
Operator ID: CL Instrument ID: HP5973S
Sublist: chrom-S-8260*sub61

Method: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Jan-2020 09:57:23 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 07-Jan-2020 09:57:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.437	5.437	0.000	97	153127	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	87	319422	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.821	10.821	0.000	68	302550	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.865	4.865	0.000	58	180591	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	61	137251	25.0	27.0	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.000	93	762170	25.0	25.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	86	238470	25.0	28.6	
11 Chlorodifluoromethane	51	1.282	1.282	0.000	79	294277	25.0	29.6	
148 Ethanol	45	2.444	2.444	0.000	97	77713	1000.0	1151.3	
19 Propene oxide	58	2.523	2.523	0.000	95	333643	NC	NC	
24 Isopropyl alcohol	45	2.967	2.967	0.000	98	208546	250.0	434.4	
29 Acetonitrile	40	3.095	3.095	0.000	98	209972	250.0	279.2	
36 Isopropyl ether	45	3.837	3.837	0.000	95	863319	25.0	29.3	
40 2-Chloro-1,3-butadiene	53	3.885	3.885	0.000	85	418168	25.0	28.8	
38 1,1-Dimethoxyethane	75	3.916	3.916	0.000	69	281699	125.0	134.7	
41 Tert-butyl ethyl ether	59	4.177	4.177	0.000	98	695393	25.0	25.3	
42 Ethyl acetate	43	4.451	4.451	0.000	99	686509	50.0	55.9	
46 Propionitrile	54	4.530	4.530	0.000	99	541410	250.0	360.7	
47 Methacrylonitrile	41	4.640	4.640	0.000	95	2138781	250.0	276.9	
152 Isooctane	57	5.157	5.157	0.000	97	954860	25.0	30.9	
56 Tert-amyl methyl ether	73	5.242	5.242	0.000	86	761560	25.0	25.3	
147 t-Amyl alcohol	59	5.248	5.248	0.000	58	334096	250.0	270.0	
1 1,4-Difluorobenzene	114	5.552	5.552	0.000	95	635334	25.0	26.6	
60 n-Butanol	56	5.814	5.814	0.000	90	233037	625.0	955.3	
142 Ethyl acrylate	55	5.905	5.905	0.000	97	415357	25.0	27.2	
63 Methyl methacrylate	41	6.124	6.124	0.000	93	573419	50.0	53.8	
70 2-Nitropropane	43	6.574	6.574	0.000	98	152488	50.0	35.9	
71 Epichlorohydrin	57	6.690	6.690	0.000	98	382736	250.0	286.7	
76 2-Methylthiophene	97	7.152	7.152	0.000	98	786930	25.0	23.9	
78 3-Methylthiophene	97	7.323	7.323	0.000	100	814829	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
155 n-Butyl acetate	43	7.828	7.828	0.000	98	501508	25.0	28.5	
146 1-Chlorohexane	55	8.418	8.418	0.000	90	269127	25.0	28.6	
85 3-Chlorobenzotrifluoride	180	8.436	8.436	0.000	85	355370	25.0	28.8	
86 4-Chlorobenzotrifluoride	180	8.497	8.497	0.000	94	326991	25.0	28.4	
93 2-Chlorobenzotrifluoride	180	9.421	9.421	0.000	95	339034	25.0	26.7	
96 Cyclohexanone	55	9.665	9.665	0.000	93	122148	250.0	265.7	
104 3-Chlorotoluene	126	10.085	10.085	0.000	97	243206	25.0	23.6	
108 Pentachloroethane	167	10.474	10.474	0.000	83	139497	25.0	29.1	
114 Dicyclopentadiene	66	10.821	10.821	0.000	95	1110095	25.0	22.7	
112 1,2,3-Trimethylbenzene	105	10.875	10.875	0.000	44	952319	25.0	25.0	
150 Benzyl chloride	126	10.997	10.997	0.000	98	114094	25.0	28.6	
118 1,3,5-Trichlorobenzene	180	12.056	12.056	0.000	96	416293	25.0	27.4	
149 2-Methylnaphthalene	142	13.723	13.723	0.000	88	600754	25.0	22.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

2 MTP 2019_00016	Amount Added:	12.50	Units: uL	
3 MTP 2019_00016	Amount Added:	12.50	Units: uL	
ADD CORP mix_00096	Amount Added:	12.50	Units: uL	
S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

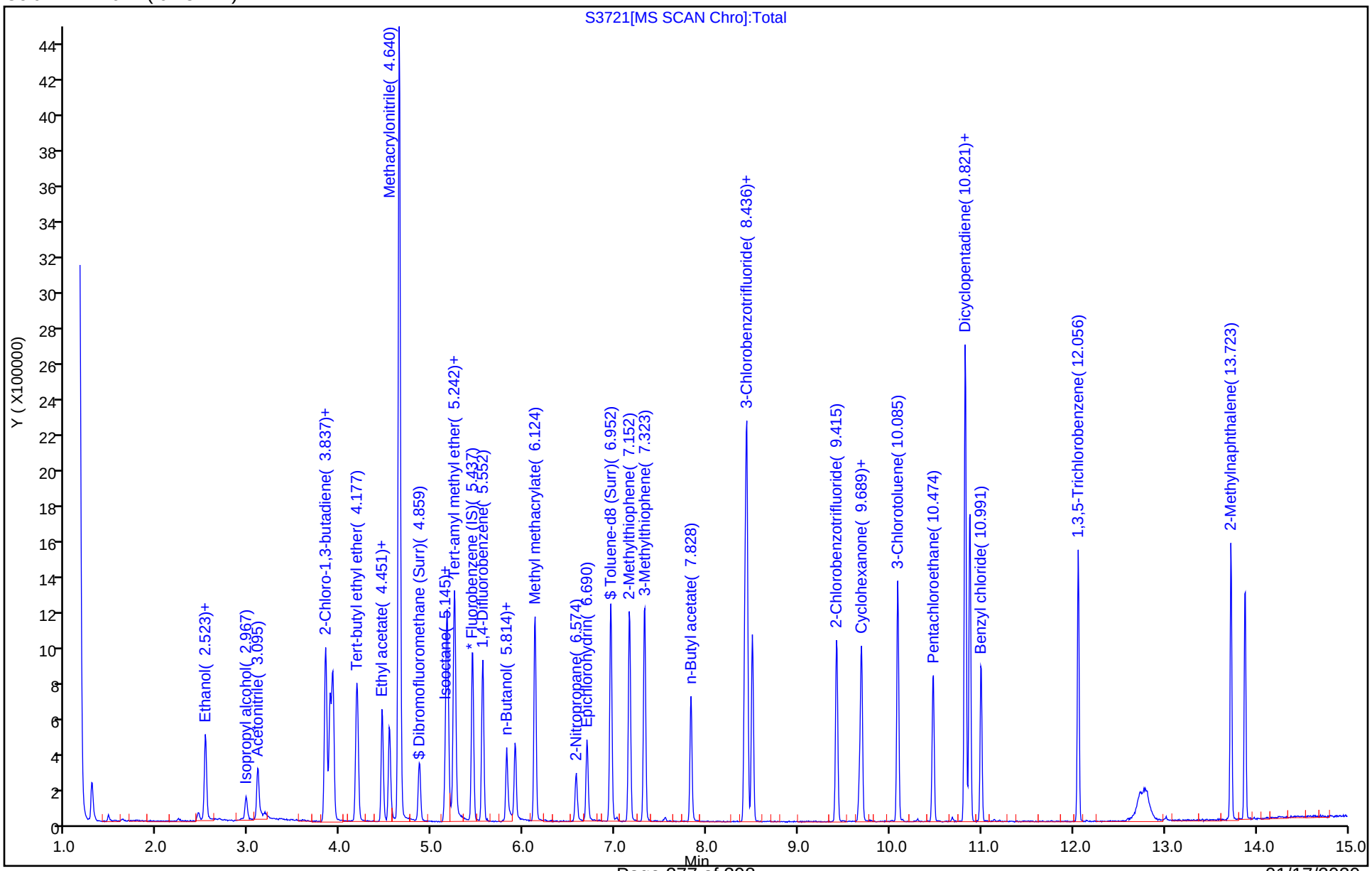
Report Date: 07-Jan-2020 09:57:24 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3721.D

Injection Date:	07-Jan-2020 09:13:30	Instrument ID:	HP5973S	Operator ID:	CL
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCVIS 480-512748/3 Calibration Date: 01/08/2020 09:15

Instrument ID: HP5975T Calib Start Date: 12/17/2019 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/17/2019 17:35

Lab File ID: T9850.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.557	1.669	0.1000	26.8	25.0	7.2	50.0
Chloromethane	Ave	2.211	2.208	0.1000	25.0	25.0	-0.1	20.0
Butadiene	Ave	1.767	1.910		27.0	25.0	8.1	20.0
Vinyl chloride	Ave	1.850	1.903	0.1000	25.7	25.0	2.9	20.0
Bromomethane	Ave	1.044	1.079	0.1000	25.8	25.0	3.3	50.0
Chloroethane	Ave	1.052	1.083	0.1000	25.7	25.0	2.9	50.0
Dichlorofluoromethane	Ave	2.398	2.510		26.2	25.0	4.7	20.0
Trichlorofluoromethane	Ave	1.949	2.182	0.1000	28.0	25.0	12.0	20.0
Ethyl ether	Ave	1.423	1.373		24.1	25.0	-3.5	20.0
Acrolein	Ave	0.3626	0.3379		117	125	-6.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.144	1.241	0.1000	27.1	25.0	8.5	20.0
1,1-Dichloroethene	Ave	1.196	1.140	0.1000	23.8	25.0	-4.6	20.0
Acetone	Ave	0.6631	0.7759	0.1000	146	125	17.0	50.0
Iodomethane	Ave	2.167	2.240		25.8	25.0	3.4	20.0
Carbon disulfide	Ave	3.973	3.977	0.1000	25.0	25.0	0.1	20.0
Allyl chloride	Ave	2.420	2.347		24.2	25.0	-3.0	20.0
Methyl acetate	Ave	1.579	1.492	0.1000	47.2	50.0	-5.5	50.0
Methylene Chloride	Lin1		1.387	0.1000	24.7	25.0	-1.3	20.0
2-Methyl-2-propanol	Ave	0.2902	0.2592		223	250	-10.7	50.0
Methyl tert-butyl ether	Ave	3.909	3.896	0.1000	24.9	25.0	-0.3	20.0
trans-1,2-Dichloroethene	Ave	1.285	1.317	0.1000	25.6	25.0	2.5	20.0
Acrylonitrile	Ave	0.7717	0.7958		258	250	3.1	20.0
Hexane	Ave	2.362	2.309		24.4	25.0	-2.2	20.0
1,1-Dichloroethane	Ave	2.359	2.453	0.2000	26.0	25.0	4.0	20.0
Vinyl acetate	Ave	3.479	3.348		48.1	50.0	-3.8	20.0
2,2-Dichloropropane	Ave	1.824	1.847		25.3	25.0	1.3	20.0
cis-1,2-Dichloroethene	Ave	1.376	1.442	0.1000	26.2	25.0	4.8	20.0
2-Butanone (MEK)	Ave	0.996	1.076	0.1000	135	125	8.1	20.0
Chlorobromomethane	Ave	0.7564	0.7794		25.8	25.0	3.0	20.0
Tetrahydrofuran	Ave	0.7759	0.6894		44.4	50.0	-11.1	20.0
Chloroform	Ave	2.225	2.270	0.2000	25.5	25.0	2.0	20.0
1,1,1-Trichloroethane	Ave	1.853	1.901	0.1000	25.6	25.0	2.6	20.0
Cyclohexane	Ave	2.694	2.701	0.1000	25.1	25.0	0.3	20.0
Carbon tetrachloride	Ave	1.596	1.539	0.1000	24.1	25.0	-3.6	20.0
1,1-Dichloropropene	Ave	1.670	1.765		26.4	25.0	5.7	20.0
Benzene	Ave	4.818	4.864	0.5000	25.2	25.0	1.0	20.0
Isobutyl alcohol	Ave	0.1150	0.1030		560	625	-10.4	50.0
1,2-Dichloroethane	Ave	1.953	2.059	0.1000	26.4	25.0	5.4	20.0
n-Heptane	Ave	2.555	2.514		24.6	25.0	-1.6	20.0
Trichloroethene	Ave	1.276	1.310	0.2000	25.7	25.0	2.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCVIS 480-512748/3 Calibration Date: 01/08/2020 09:15

Instrument ID: HP5975T Calib Start Date: 12/17/2019 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/17/2019 17:35

Lab File ID: T9850.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.232	2.339	0.1000	26.2	25.0	4.8	20.0
1,2-Dichloropropane	Ave	1.347	1.376	0.1000	25.5	25.0	2.2	20.0
1,4-Dioxane	Ave	0.0059	0.0067		565	500	13.0	50.0
Dibromomethane	Ave	0.8275	0.8433	0.1000	25.5	25.0	1.9	20.0
Bromodichloromethane	Ave	1.450	1.534	0.2000	26.5	25.0	5.8	20.0
2-Chloroethyl vinyl ether	Ave	0.9895	1.035		26.1	25.0	4.6	20.0
cis-1,3-Dichloropropene	Ave	1.946	1.993	0.2000	25.6	25.0	2.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5526	0.5722	0.1000	129	125	3.6	20.0
Toluene	Ave	0.8492	0.8630	0.4000	25.4	25.0	1.6	20.0
trans-1,3-Dichloropropene	Ave	0.5029	0.5193	0.1000	25.8	25.0	3.3	20.0
Ethyl methacrylate	Ave	0.5016	0.4848		24.2	25.0	-3.3	20.0
1,1,2-Trichloroethane	Ave	0.2658	0.2781	0.1000	26.2	25.0	4.6	20.0
Tetrachloroethene	Ave	0.3460	0.3718	0.2000	26.9	25.0	7.4	20.0
1,3-Dichloropropane	Ave	0.5615	0.5807		25.9	25.0	3.4	20.0
2-Hexanone	Ave	0.4002	0.4153	0.1000	130	125	3.8	20.0
Dibromochloromethane	Ave	0.3011	0.3154	0.1000	26.2	25.0	4.8	20.0
1,2-Dibromoethane	Ave	0.3351	0.3475		25.9	25.0	3.7	20.0
Chlorobenzene	Ave	0.9639	0.9912	0.5000	25.7	25.0	2.8	20.0
Ethylbenzene	Ave	1.574	1.631	0.1000	25.9	25.0	3.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3143	0.3280		26.1	25.0	4.3	20.0
m,p-Xylene	Ave	0.6382	0.6644	0.1000	26.0	25.0	4.1	20.0
o-Xylene	Ave	0.6183	0.6437	0.3000	26.0	25.0	4.1	20.0
Styrene	Ave	1.033	1.085	0.3000	26.3	25.0	5.1	20.0
Bromoform	Ave	0.1942	0.1860	0.1000	23.9	25.0	-4.2	50.0
Isopropylbenzene	Ave	2.848	3.008	0.1000	26.4	25.0	5.6	20.0
Bromobenzene	Ave	0.7249	0.7592		26.2	25.0	4.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8407	0.8709	0.3000	25.9	25.0	3.6	20.0
N-Propylbenzene	Ave	3.363	3.540		26.3	25.0	5.3	20.0
1,2,3-Trichloropropane	Ave	0.2906	0.3010		25.9	25.0	3.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2712	0.2829		26.1	25.0	4.3	50.0
2-Chlorotoluene	Ave	0.7057	0.7421		26.3	25.0	5.2	20.0
1,3,5-Trimethylbenzene	Ave	2.457	2.600		26.5	25.0	5.8	20.0
4-Chlorotoluene	Ave	2.111	2.205		26.1	25.0	4.5	20.0
tert-Butylbenzene	Ave	0.5359	0.5766		26.9	25.0	7.6	20.0
1,2,4-Trimethylbenzene	Ave	2.456	2.639		26.9	25.0	7.4	20.0
sec-Butylbenzene	Ave	3.102	3.327		26.8	25.0	7.2	20.0
1,3-Dichlorobenzene	Ave	1.407	1.495	0.6000	26.6	25.0	6.2	20.0
4-Isopropyltoluene	Ave	2.811	3.048		27.1	25.0	8.4	20.0
1,4-Dichlorobenzene	Ave	1.444	1.501	0.5000	26.0	25.0	3.9	20.0
n-Butylbenzene	Ave	2.404	2.578		26.8	25.0	7.2	20.0
1,2-Dichlorobenzene	Ave	1.414	1.511	0.4000	26.7	25.0	6.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCVIS 480-512748/3 Calibration Date: 01/08/2020 09:15

Instrument ID: HP5975T Calib Start Date: 12/17/2019 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/17/2019 17:35

Lab File ID: T9850.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1704	0.1597	0.0500	23.4	25.0	-6.3	50.0
1,2,4-Trichlorobenzene	Ave	1.062	1.107	0.2000	26.1	25.0	4.2	20.0
Hexachlorobutadiene	Ave	0.4770	0.4926		25.8	25.0	3.3	20.0
Naphthalene	Ave	3.257	3.201		24.6	25.0	-1.7	20.0
1,2,3-Trichlorobenzene	Ave	1.067	1.081		25.3	25.0	1.3	20.0
Dibromofluoromethane (Surr)	Ave	1.243	1.319		26.5	25.0	6.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.611	1.641		25.5	25.0	1.9	20.0
Toluene-d8 (Surr)	Ave	1.327	1.321		24.9	25.0	-0.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3992	0.3968		24.9	25.0	-0.6	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9850.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Jan-2020 09:15:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccvis
Misc. Info.: 480-0087375-003
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2020 11:29:08 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0336

First Level Reviewer: farrellr Date: 08-Jan-2020 09:39:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.791	4.791	0.000	98	158263	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	87	584625	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.957	8.957	0.000	95	326263	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.335	4.335	0.000	93	208800	25.0	26.5	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.584	4.584	0.000	0	259717	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	5.973	5.973	0.000	94	772084	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	231994	25.0	24.9	
11 Dichlorodifluoromethane	85	1.206	1.206	0.000	99	264079	25.0	26.8	
13 Chloromethane	50	1.371	1.371	0.000	99	349516	25.0	25.0	
151 Butadiene	54	1.444	1.444	0.000	92	302302	25.0	27.0	
14 Vinyl chloride	62	1.454	1.454	0.000	98	301199	25.0	25.7	
15 Bromomethane	94	1.713	1.713	0.000	90	170759	25.0	25.8	
16 Chloroethane	64	1.776	1.776	0.000	99	171336	25.0	25.7	
18 Dichlorofluoromethane	67	1.993	1.993	0.000	96	397318	25.0	26.2	
17 Trichlorofluoromethane	101	1.993	1.993	0.000	66	345294	25.0	28.0	
19 Ethyl ether	59	2.242	2.242	0.000	95	217315	25.0	24.1	
21 Acrolein	56	2.418	2.418	0.000	99	267418	125.0	116.5	
22 1,1-Dichloroethene	96	2.449	2.449	0.000	94	180474	25.0	23.8	
20 1,1,2-Trichloro-1,2,2-trif	101	2.449	2.449	0.000	57	196477	25.0	27.1	
23 Acetone	43	2.563	2.563	0.000	99	613946	125.0	146.3	
24 Iodomethane	142	2.605	2.605	0.000	99	354575	25.0	25.8	
25 Carbon disulfide	76	2.625	2.625	0.000	100	629370	25.0	25.0	
27 3-Chloro-1-propene	41	2.791	2.791	0.000	90	371387	25.0	24.2	
28 Methyl acetate	43	2.833	2.833	0.000	99	472321	50.0	47.2	
30 Methylene Chloride	84	2.926	2.926	0.000	99	219445	25.0	24.7	
31 2-Methyl-2-propanol	59	3.092	3.092	0.000	98	410248	250.0	223.3	
33 Methyl tert-butyl ether	73	3.112	3.112	0.000	98	616622	25.0	24.9	
32 trans-1,2-Dichloroethene	96	3.123	3.123	0.000	96	208494	25.0	25.6	
34 Acrylonitrile	53	3.175	3.175	0.000	98	1259387	250.0	257.8	
35 Hexane	57	3.278	3.278	0.000	94	365491	25.0	24.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.486	3.486	0.000	96	388143	25.0	26.0	
39 Vinyl acetate	43	3.517	3.517	0.000	97	1059691	50.0	48.1	
42 2,2-Dichloropropane	77	3.921	3.921	0.000	93	292330	25.0	25.3	
43 cis-1,2-Dichloroethene	96	3.952	3.952	0.000	82	228186	25.0	26.2	
44 2-Butanone (MEK)	43	3.973	3.973	0.000	99	851306	125.0	135.1	
47 Chlorobromomethane	128	4.149	4.149	0.000	97	123352	25.0	25.8	
48 Tetrahydrofuran	42	4.149	4.149	0.000	90	218219	50.0	44.4	
50 Chloroform	83	4.211	4.211	0.000	95	359192	25.0	25.5	
51 1,1,1-Trichloroethane	97	4.304	4.304	0.000	84	300857	25.0	25.6	
52 Cyclohexane	56	4.304	4.304	0.000	94	427506	25.0	25.1	
53 Carbon tetrachloride	117	4.408	4.408	0.000	97	243573	25.0	24.1	
54 1,1-Dichloropropene	75	4.418	4.418	0.000	93	279292	25.0	26.4	
55 Benzene	78	4.584	4.584	0.000	96	769718	25.0	25.2	
56 Isobutyl alcohol	43	4.594	4.594	0.000	94	407497	625.0	559.7	
57 1,2-Dichloroethane	62	4.636	4.636	0.000	97	325921	25.0	26.4	
59 n-Heptane	43	4.719	4.719	0.000	95	397826	25.0	24.6	
60 Trichloroethene	95	5.061	5.061	0.000	96	207359	25.0	25.7	
62 Methylcyclohexane	83	5.164	5.164	0.000	95	370174	25.0	26.2	
63 1,2-Dichloropropane	63	5.258	5.258	0.000	93	217810	25.0	25.5	
65 Dibromomethane	93	5.361	5.361	0.000	95	133467	25.0	25.5	
66 1,4-Dioxane	88	5.361	5.361	0.000	50	77919	500.0	564.9	
67 Dichlorobromomethane	83	5.486	5.486	0.000	98	242762	25.0	26.5	
69 2-Chloroethyl vinyl ether	63	5.693	5.693	0.000	93	163804	25.0	26.1	
71 cis-1,3-Dichloropropene	75	5.796	5.796	0.000	93	315435	25.0	25.6	
72 4-Methyl-2-pentanone (MIBK	43	5.910	5.910	0.000	98	1672727	125.0	129.4	
73 Toluene	92	6.014	6.014	0.000	98	504502	25.0	25.4	
75 trans-1,3-Dichloropropene	75	6.232	6.232	0.000	96	303576	25.0	25.8	
77 Ethyl methacrylate	69	6.252	6.252	0.000	94	283434	25.0	24.2	
78 1,1,2-Trichloroethane	83	6.377	6.377	0.000	92	162569	25.0	26.2	
79 Tetrachloroethene	166	6.418	6.418	0.000	95	217350	25.0	26.9	
80 1,3-Dichloropropane	76	6.501	6.501	0.000	96	339500	25.0	25.9	
81 2-Hexanone	43	6.543	6.543	0.000	97	1214003	125.0	129.7	
82 Chlorodibromomethane	129	6.677	6.677	0.000	90	184400	25.0	26.2	
83 Ethylene Dibromide	107	6.760	6.760	0.000	99	203154	25.0	25.9	
86 Chlorobenzene	112	7.113	7.113	0.000	95	579474	25.0	25.7	
88 Ethylbenzene	91	7.175	7.175	0.000	98	953551	25.0	25.9	
89 1,1,1,2-Tetrachloroethane	131	7.185	7.185	0.000	93	191747	25.0	26.1	
90 m-Xylene & p-Xylene	106	7.268	7.268	0.000	0	388416	25.0	26.0	
91 o-Xylene	106	7.589	7.589	0.000	96	376325	25.0	26.0	
92 Styrene	104	7.610	7.610	0.000	96	634516	25.0	26.3	
93 Bromoform	173	7.797	7.797	0.000	96	108710	25.0	23.9	
95 Isopropylbenzene	105	7.869	7.869	0.000	96	981506	25.0	26.4	
97 Bromobenzene	156	8.149	8.149	0.000	94	247703	25.0	26.2	
98 1,1,2,2-Tetrachloroethane	83	8.180	8.180	0.000	96	284133	25.0	25.9	
99 N-Propylbenzene	91	8.201	8.201	0.000	98	1155121	25.0	26.3	
100 1,2,3-Trichloropropane	110	8.211	8.211	0.000	89	98203	25.0	25.9	
101 trans-1,4-Dichloro-2-buten	53	8.211	8.211	0.000	78	92306	25.0	26.1	
105 2-Chlorotoluene	126	8.284	8.284	0.000	97	242131	25.0	26.3	
104 1,3,5-Trimethylbenzene	105	8.335	8.335	0.000	96	848342	25.0	26.5	
102 4-Chlorotoluene	91	8.377	8.377	0.000	97	719498	25.0	26.1	
106 tert-Butylbenzene	134	8.595	8.595	0.000	93	188128	25.0	26.9	
107 1,2,4-Trimethylbenzene	105	8.646	8.646	0.000	97	861024	25.0	26.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.771	8.771	0.000	95	1085321	25.0	26.8	
111 4-Isopropyltoluene	119	8.895	8.895	0.000	98	994351	25.0	27.1	
110 1,3-Dichlorobenzene	146	8.895	8.895	0.000	97	487832	25.0	26.6	
113 1,4-Dichlorobenzene	146	8.978	8.978	0.000	96	489866	25.0	26.0	
115 n-Butylbenzene	91	9.237	9.237	0.000	98	840992	25.0	26.8	
116 1,2-Dichlorobenzene	146	9.289	9.289	0.000	97	492966	25.0	26.7	
117 1,2-Dibromo-3-Chloropropan	75	9.962	9.962	0.000	82	52093	25.0	23.4	
119 1,2,4-Trichlorobenzene	180	10.605	10.605	0.000	95	361085	25.0	26.1	
120 Hexachlorobutadiene	225	10.709	10.709	0.000	98	160706	25.0	25.8	
121 Naphthalene	128	10.812	10.812	0.000	97	1044520	25.0	24.6	
122 1,2,3-Trichlorobenzene	180	11.009	11.009	0.000	96	352769	25.0	25.3	

Reagents:

8260 CORP mix_00175	Amount Added: 12.50	Units: uL	
GAS CORP mix_00378	Amount Added: 12.50	Units: uL	
T_8260_Surr_00203	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added: 1.00	Units: uL	Run Reagent

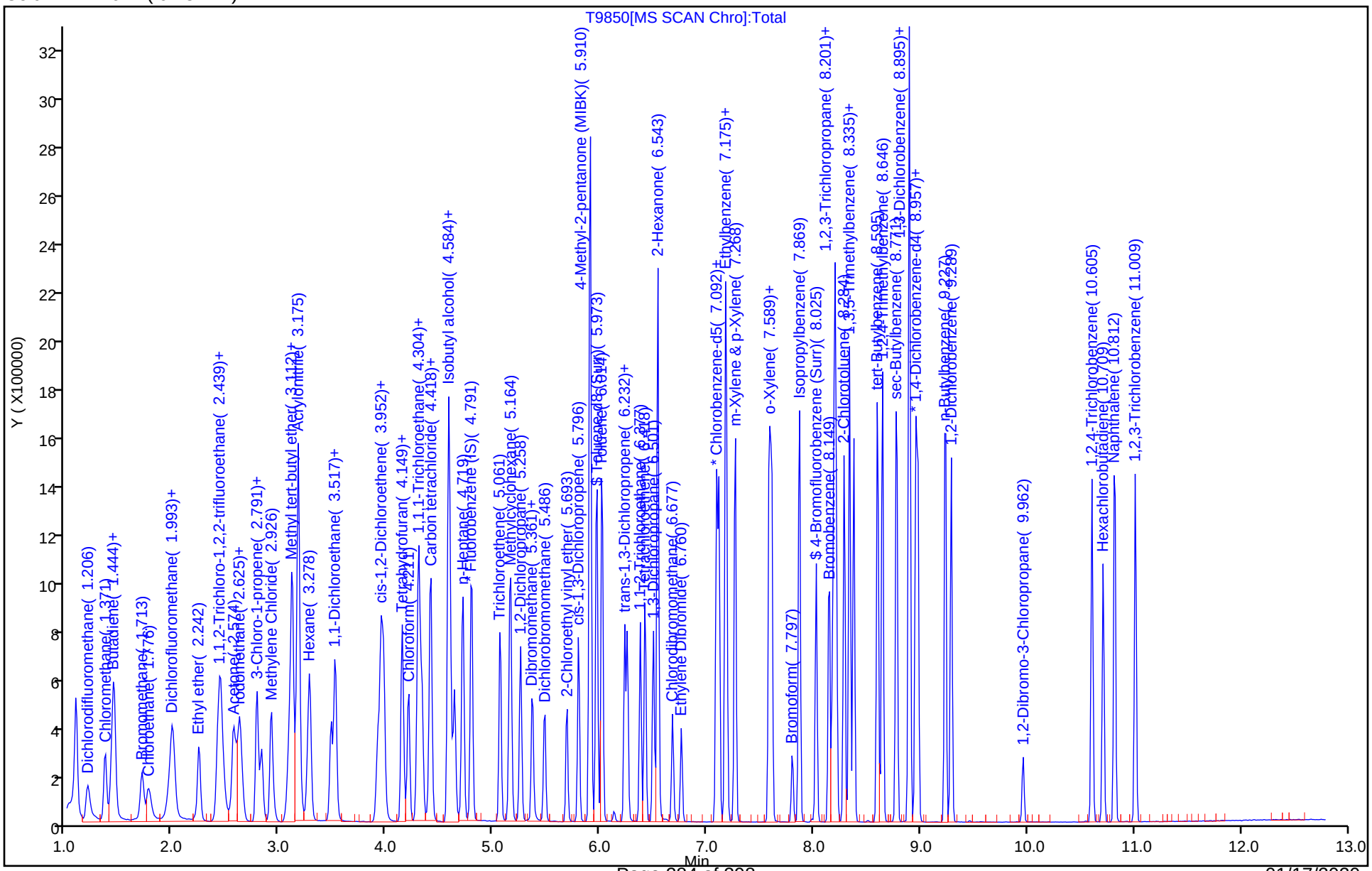
Report Date: 08-Jan-2020 11:29:11 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9850.D

Injection Date:	08-Jan-2020 09:15:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCV 480-512748/4 Calibration Date: 01/08/2020 09:39

Instrument ID: HP5975T Calib Start Date: 12/17/2019 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/17/2019 17:35

Lab File ID: T9851.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	1.243	1.269		25.5	25.0	2.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.611	1.666		25.9	25.0	3.4	20.0
Toluene-d8 (Surr)	Ave	1.327	1.294		24.4	25.0	-2.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3992	0.3927		24.6	25.0	-1.6	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9851.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Jan-2020 09:39:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccv
Misc. Info.: 480-0087375-004
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub92

Method: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2020 09:58:28 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0336

First Level Reviewer: farrellr Date: 08-Jan-2020 09:58:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.802	4.791	0.011	99	156990	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	88	584978	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.957	8.957	0.000	72	323631	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.335	4.345	0.000	92	199264	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.584	4.584	0.000	0	261574	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	5.973	5.973	0.000	94	756810	25.0	24.4	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	229713	25.0	24.6	
12 Chlorodifluoromethane	51	1.227	1.216	0.011	98	286793	25.0	22.8	
148 Ethanol	45	2.284	2.278	0.011	0	164627	1000.0	1434.9	
84 Propene oxide	58		2.325				ND	ND	
26 Isopropyl alcohol	45	2.740	2.729	0.011	99	200562	250.0	170.1	
29 Acetonitrile	40	2.854	2.843	0.011	100	236477	250.0	227.7	
37 Isopropyl ether	45	3.496	3.486	0.010	96	802259	25.0	24.5	
139 Halothane	117	3.527	3.517	0.010	91	152318	25.0	24.3	
38 2-Chloro-1,3-butadiene	53	3.527	3.527	0.000	95	379385	25.0	25.5	
40 1,1-Dimethoxyethane	75	3.558	3.548	0.010	98	282443	125.0	105.4	
41 Tert-butyl ethyl ether	59	3.776	3.776	0.000	99	733689	25.0	24.1	
45 Ethyl acetate	43	3.993	3.993	0.000	99	593699	50.0	47.2	
46 Propionitrile	54	4.066	4.066	0.000	99	499019	250.0	235.2	
49 Methacrylonitrile	41	4.149	4.149	0.000	96	1969594	250.0	248.0	
152 Isooctane	57	4.574	4.584	0.000	97	783666	25.0	23.7	
58 Tert-amyl methyl ether	73	4.646	4.646	0.010	91	800192	25.0	23.5	a
147 t-Amyl alcohol	59	4.646	4.657	0.000	93	331627	250.0	201.5	
1 1,4-Difluorobenzene	114	4.885	4.885	0.000	95	624845	25.0	26.1	
141 2,4,4-Trimethyl-1-pentene	55	4.978	4.968	0.010	98	177263	NC	NC	
61 n-Butanol	56	5.082	5.082	0.000	89	221538	625.0	482.3	
140 2,4,4-Trimethyl-2-pentene	97	5.154	5.154	0.000	89	428441	NC	NC	
142 Ethyl acrylate	55	5.154	5.154	0.000	95	796536	25.0	24.7	a
64 Methyl methacrylate	41	5.320	5.320	0.000	95	530113	50.0	47.6	
68 2-Nitropropane	43	5.672	5.672	0.000	96	69320	50.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
70 Epichlorohydrin	57	5.766	5.766	0.000	100	359447	250.0	249.6	
74 2-Methylthiophene	97	6.128	6.128	0.000	98	720045	25.0	25.4	
76 3-Methylthiophene	97	6.253	6.253	0.000	100	776745	25.0	26.2	
155 n-Butyl acetate	43	6.615	6.615	0.000	99	411271	25.0	23.1	
146 1-Chlorohexane	55	7.061	7.061	0.000	93	242971	25.0	25.4	
85 3-Chlorobenzotrifluoride	180	7.082	7.082	0.000	93	316539	25.0	26.6	
87 4-Chlorobenzotrifluoride	180	7.123	7.123	0.000	96	299162	25.0	26.8	
94 2-Chlorobenzotrifluoride	180	7.807	7.807	0.000	96	305750	25.0	25.0	
96 Cyclohexanone	55	8.014	8.014	0.000	94	137752	250.0	222.5	
103 3-Chlorotoluene	126	8.336	8.336	0.000	97	246289	25.0	25.5	
108 Pentachloroethane	167	8.657	8.657	0.000	0	103797	25.0	29.2	
112 Dicyclopentadiene	66	8.957	8.958	0.000	95	1031334	25.0	24.1	
114 1,2,3-Trimethylbenzene	105	8.999	8.999	0.000	98	885062	25.0	25.8	
150 Benzyl chloride	126	9.102	9.103	0.000	99	95812	25.0	24.6	
118 1,3,5-Trichlorobenzene	180	10.077	10.077	0.000	98	378760	25.0	25.8	
149 2-Methylnaphthalene	142	11.683	11.683	0.000	92	625420	25.0	21.1	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND
Review Flags
a - User Assigned ID

Reagents:

2 MTP 2019_00016	Amount Added:	12.50	Units: uL	
3 MTP 2019_00016	Amount Added:	12.50	Units: uL	
3_MCP_Add_WRK_00239	Amount Added:	12.50	Units: uL	
ADD CORP mix_00096	Amount Added:	12.50	Units: uL	
T_8260_Surr_00203	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added:	1.00	Units: uL	Run Reagent

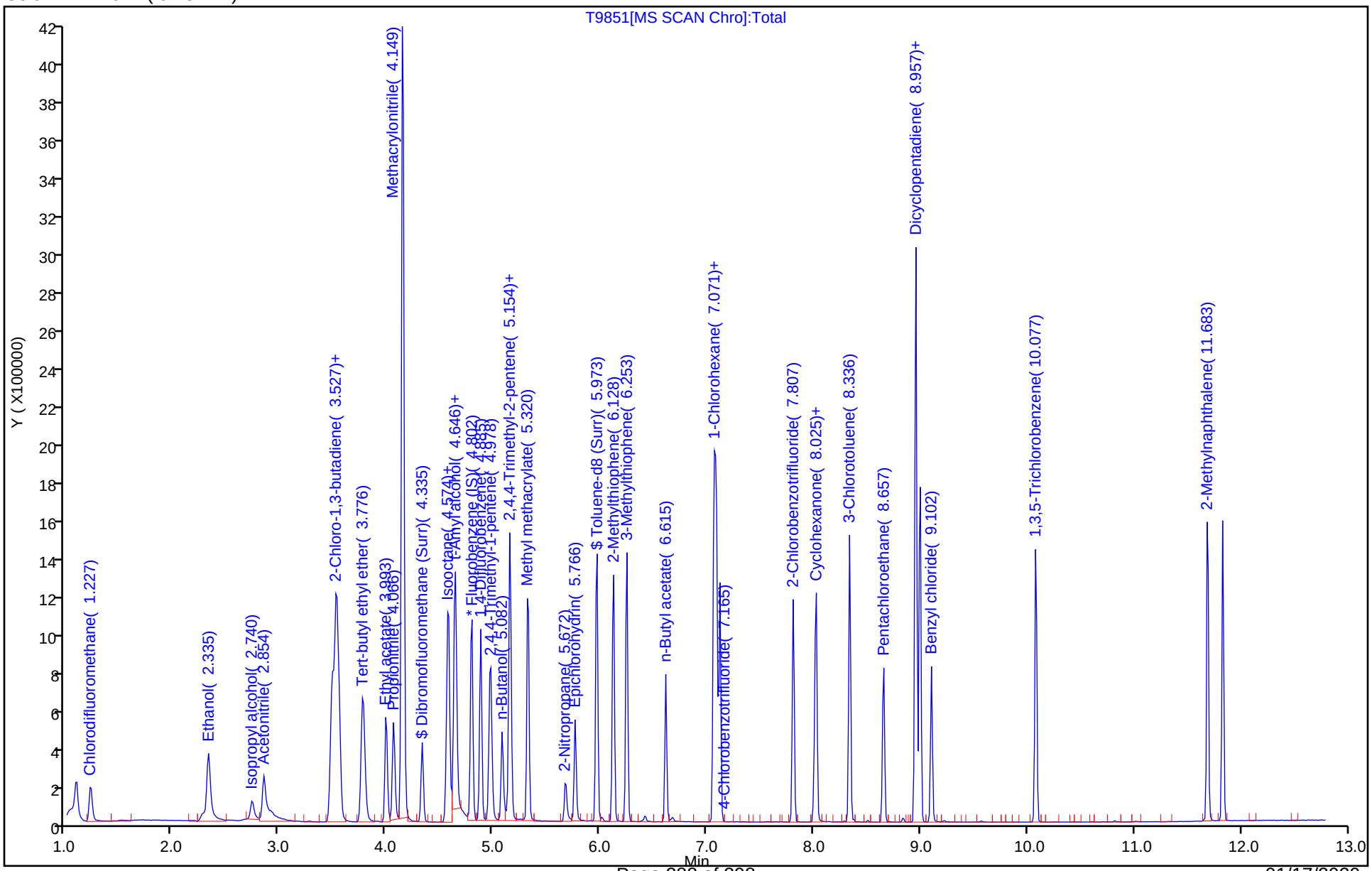
Report Date: 08-Jan-2020 09:58:29 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9851.D

Injection Date:	08-Jan-2020 09:39:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Lab Sample ID: CCV 480-512748/4 Calibration Date: 01/08/2020 09:39

Instrument ID: HP5975T Calib Start Date: 12/17/2019 19:36

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/17/2019 22:01

Lab File ID: T9851.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	2.007	1.827		22.8	25.0	-9.0	20.0
Ethanol	Ave	0.0183	0.0262		1430	1000	43.5*	20.0
Isopropyl alcohol	Ave	0.1877	0.1278		170	250	-32.0*	20.0
Acetonitrile	Ave	0.1654	0.1506		228	250	-8.9	20.0
Isopropyl ether	Ave	5.210	5.110		24.5	25.0	-1.9	20.0
Chloroprene	Ave	2.369	2.417		25.5	25.0	2.0	20.0
Halothane	Ave	1.000	0.9702		24.3	25.0	-3.0	20.0
1,1-Dimethoxyethane	Ave	0.4269	0.3598		105	125	-15.7	20.0
Tert-butyl ethyl ether	Ave	4.850	4.673		24.1	25.0	-3.6	20.0
Ethyl acetate	Ave	2.005	1.891		47.2	50.0	-5.7	20.0
Propionitrile	Ave	0.3378	0.3179		235	250	-5.9	20.0
Methacrylonitrile	Ave	1.265	1.255		248	250	-0.8	20.0
Isooctane	Ave	5.270	4.992		23.7	25.0	-5.3	20.0
t-Amyl alcohol	Ave	0.2620	0.2112		202	250	-19.4	20.0
Tert-amyl methyl ether	Ave	5.422	5.097		23.5	25.0	-6.0	20.0
1,4-Difluorobenzene	Ave	3.807	3.980		26.1	25.0	4.5	20.0
n-Butanol	Lin1		0.0565		482	625	-22.8*	20.0
Ethyl acrylate	Ave	5.144	5.074		24.7	25.0	-1.4	20.0
Methyl methacrylate	Ave	1.772	1.688		47.6	50.0	-4.7	20.0
2-Nitropropane	Ave	0.2016	0.1071		26.6	50.0	-46.9*	20.0
Epichlorohydrin	Ave	0.2293	0.2290		250	250	-0.1	20.0
2-Methylthiophene	Ave	2.191	2.225		25.4	25.0	1.5	20.0
3-Methylthiophene	Ave	2.286	2.400		26.2	25.0	5.0	20.0
n-Butyl acetate	Ave	0.7605	0.7031	0.1000	23.1	25.0	-7.5	20.0
1-Chlorohexane	Lin1		0.4154		25.4	25.0	1.7	20.0
3-Chlorobenzotrifluoride	Ave	0.9184	0.9781		26.6	25.0	6.5	20.0
4-Chlorobenzotrifluoride	Ave	0.8624	0.9244		26.8	25.0	7.2	20.0
2-Chlorobenzotrifluoride	Ave	0.9430	0.9448		25.0	25.0	0.2	20.0
Cyclohexanone	Ave	0.0478	0.0426		222	250	-11.0	20.0
3-Chlorotoluene	Ave	0.7450	0.7610		25.5	25.0	2.1	20.0
Pentachloroethane	Ave	0.2744	0.3207		29.2	25.0	16.9	20.0
Dicyclopentadiene	Ave	3.312	3.187		24.1	25.0	-3.8	20.0
1,2,3-Trimethylbenzene	Ave	2.652	2.735		25.8	25.0	3.1	20.0
Benzyl chloride	Ave	0.1666	0.1638		24.6	25.0	-1.7	20.0
1,3,5-Trichlorobenzene	Ave	1.134	1.170		25.8	25.0	3.2	20.0
2-Methylnaphthalene	Ave	2.290	1.933		21.1	25.0	-15.6	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9851.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Jan-2020 09:39:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccv
Misc. Info.: 480-0087375-004
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub92

Method: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2020 09:58:28 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0336

First Level Reviewer: farrellr Date: 08-Jan-2020 09:58:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.802	4.791	0.011	99	156990	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	88	584978	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.957	8.957	0.000	72	323631	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.335	4.345	0.000	92	199264	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.584	4.584	0.000	0	261574	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	5.973	5.973	0.000	94	756810	25.0	24.4	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	229713	25.0	24.6	
12 Chlorodifluoromethane	51	1.227	1.216	0.011	98	286793	25.0	22.8	
148 Ethanol	45	2.284	2.278	0.011	0	164627	1000.0	1434.9	
84 Propene oxide	58		2.325				ND	ND	
26 Isopropyl alcohol	45	2.740	2.729	0.011	99	200562	250.0	170.1	
29 Acetonitrile	40	2.854	2.843	0.011	100	236477	250.0	227.7	
37 Isopropyl ether	45	3.496	3.486	0.010	96	802259	25.0	24.5	
139 Halothane	117	3.527	3.517	0.010	91	152318	25.0	24.3	
38 2-Chloro-1,3-butadiene	53	3.527	3.527	0.000	95	379385	25.0	25.5	
40 1,1-Dimethoxyethane	75	3.558	3.548	0.010	98	282443	125.0	105.4	
41 Tert-butyl ethyl ether	59	3.776	3.776	0.000	99	733689	25.0	24.1	
45 Ethyl acetate	43	3.993	3.993	0.000	99	593699	50.0	47.2	
46 Propionitrile	54	4.066	4.066	0.000	99	499019	250.0	235.2	
49 Methacrylonitrile	41	4.149	4.149	0.000	96	1969594	250.0	248.0	
152 Isooctane	57	4.574	4.584	0.000	97	783666	25.0	23.7	
58 Tert-amyl methyl ether	73	4.646	4.646	0.010	91	800192	25.0	23.5	a
147 t-Amyl alcohol	59	4.646	4.657	0.000	93	331627	250.0	201.5	
1 1,4-Difluorobenzene	114	4.885	4.885	0.000	95	624845	25.0	26.1	
141 2,4,4-Trimethyl-1-pentene	55	4.978	4.968	0.010	98	177263	NC	NC	
61 n-Butanol	56	5.082	5.082	0.000	89	221538	625.0	482.3	
140 2,4,4-Trimethyl-2-pentene	97	5.154	5.154	0.000	89	428441	NC	NC	
142 Ethyl acrylate	55	5.154	5.154	0.000	95	796536	25.0	24.7	a
64 Methyl methacrylate	41	5.320	5.320	0.000	95	530113	50.0	47.6	
68 2-Nitropropane	43	5.672	5.672	0.000	96	69320	50.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
70 Epichlorohydrin	57	5.766	5.766	0.000	100	359447	250.0	249.6	
74 2-Methylthiophene	97	6.128	6.128	0.000	98	720045	25.0	25.4	
76 3-Methylthiophene	97	6.253	6.253	0.000	100	776745	25.0	26.2	
155 n-Butyl acetate	43	6.615	6.615	0.000	99	411271	25.0	23.1	
146 1-Chlorohexane	55	7.061	7.061	0.000	93	242971	25.0	25.4	
85 3-Chlorobenzotrifluoride	180	7.082	7.082	0.000	93	316539	25.0	26.6	
87 4-Chlorobenzotrifluoride	180	7.123	7.123	0.000	96	299162	25.0	26.8	
94 2-Chlorobenzotrifluoride	180	7.807	7.807	0.000	96	305750	25.0	25.0	
96 Cyclohexanone	55	8.014	8.014	0.000	94	137752	250.0	222.5	
103 3-Chlorotoluene	126	8.336	8.336	0.000	97	246289	25.0	25.5	
108 Pentachloroethane	167	8.657	8.657	0.000	0	103797	25.0	29.2	
112 Dicyclopentadiene	66	8.957	8.958	0.000	95	1031334	25.0	24.1	
114 1,2,3-Trimethylbenzene	105	8.999	8.999	0.000	98	885062	25.0	25.8	
150 Benzyl chloride	126	9.102	9.103	0.000	99	95812	25.0	24.6	
118 1,3,5-Trichlorobenzene	180	10.077	10.077	0.000	98	378760	25.0	25.8	
149 2-Methylnaphthalene	142	11.683	11.683	0.000	92	625420	25.0	21.1	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- a - User Assigned ID

Reagents:

2 MTP 2019_00016	Amount Added:	12.50	Units: uL	
3 MTP 2019_00016	Amount Added:	12.50	Units: uL	
3_MCP_Add_WRK_00239	Amount Added:	12.50	Units: uL	
ADD CORP mix_00096	Amount Added:	12.50	Units: uL	
T_8260_Surr_00203	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added:	1.00	Units: uL	Run Reagent

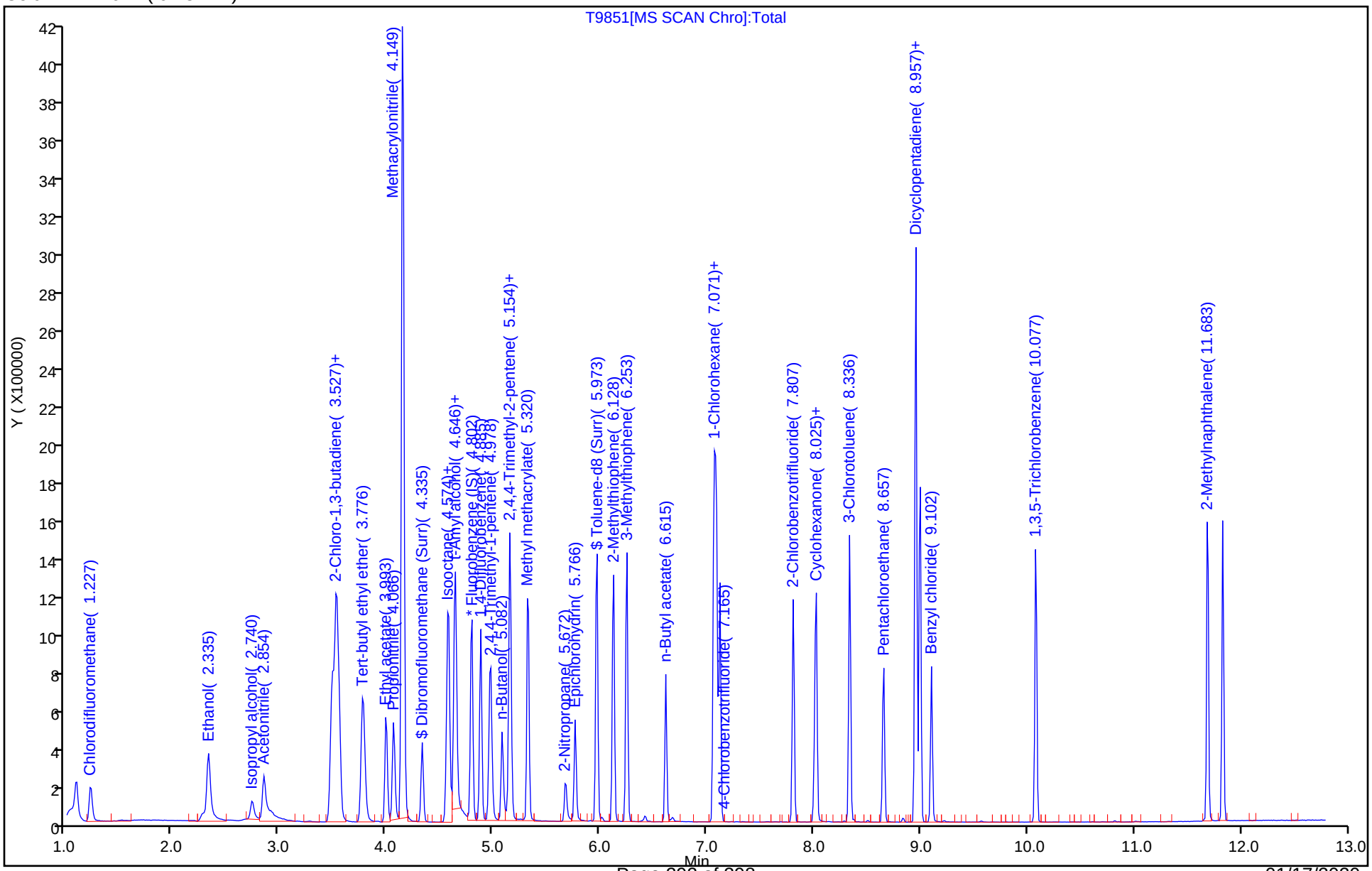
Report Date: 08-Jan-2020 09:58:29 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9851.D

Injection Date:	08-Jan-2020 09:39:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

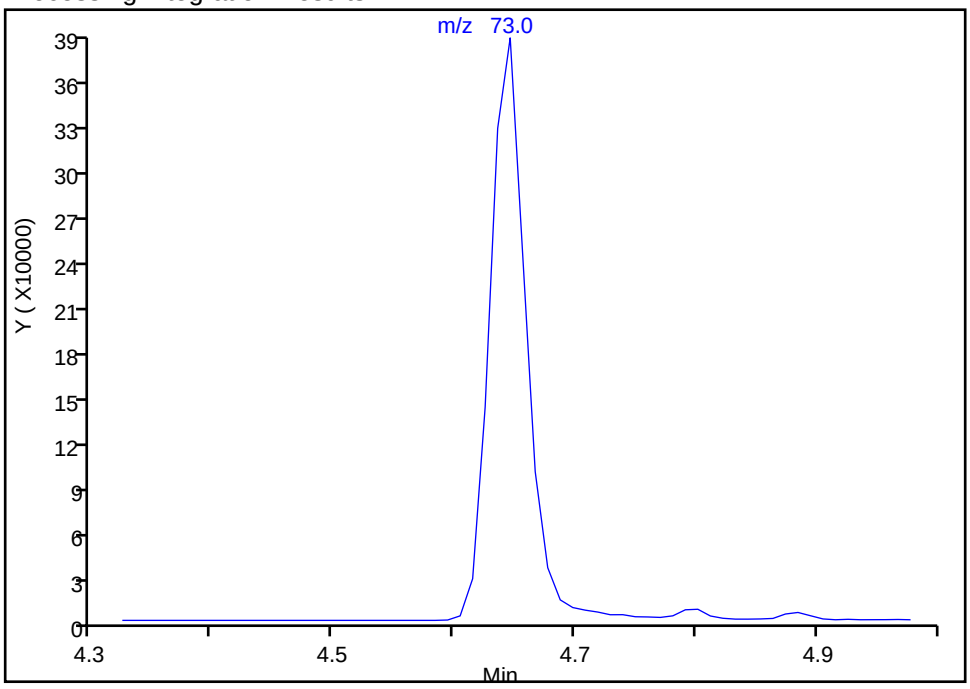
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9851.D				
Injection Date:	08-Jan-2020 09:39:30	Instrument ID:	HP5975T		
Lims ID:	CCV				
Client ID:					
Operator ID:	RF	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

58 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

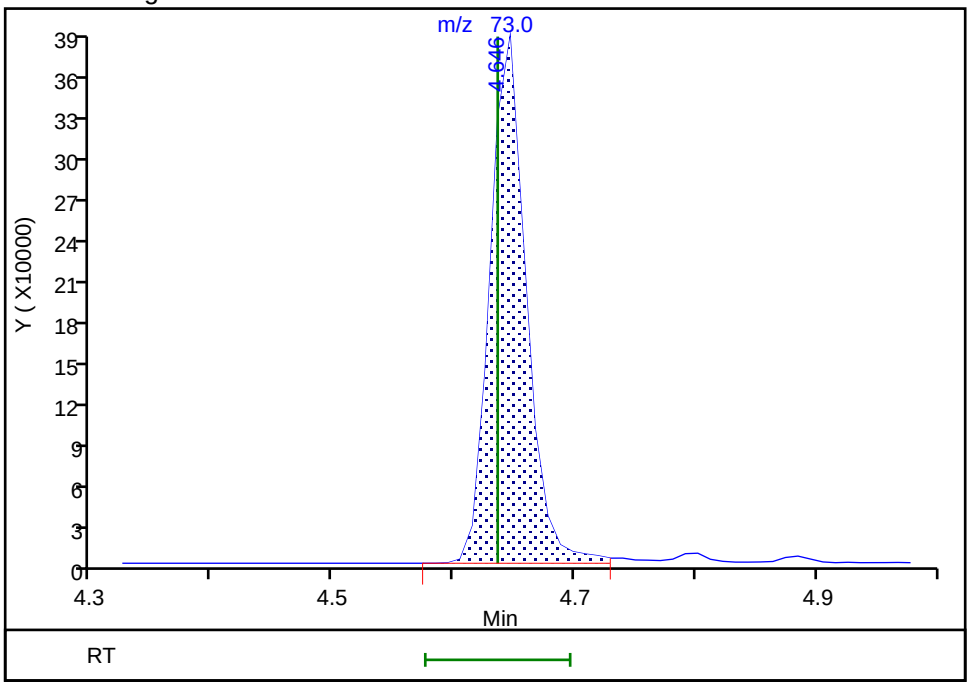
Not Detected
Expected RT: 4.64

Processing Integration Results



Manual Integration Results

RT: 4.65
Area: 800192
Amount: 23.502277
Amount Units: ug/L



Reviewer: farrellr, 08-Jan-2020 09:57:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

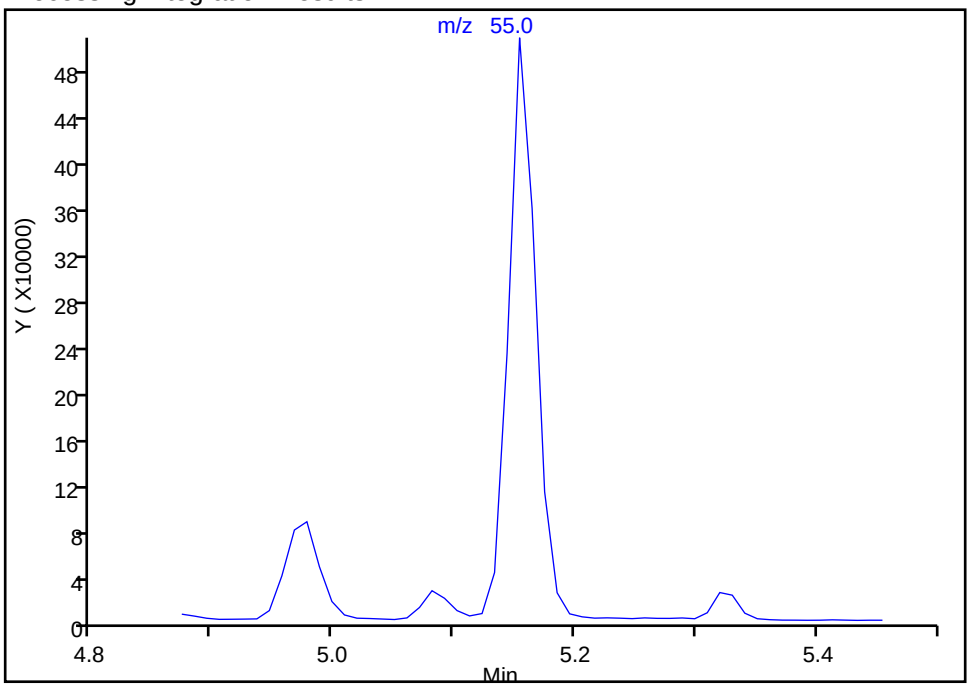
Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9851.D
Injection Date: 08-Jan-2020 09:39:30 Instrument ID: HP5975T
Lims ID: CCV
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

142 Ethyl acrylate, CAS: 140-88-5

Signal: 1

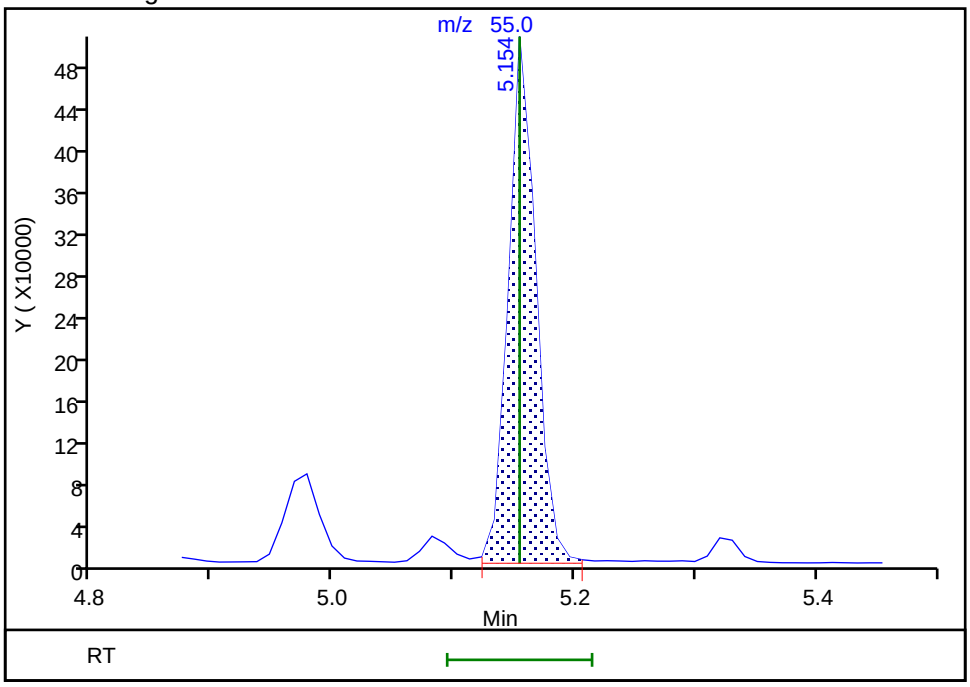
Not Detected
Expected RT: 5.15

Processing Integration Results



Manual Integration Results

RT: 5.15
Area: 796536
Amount: 24.658289
Amount Units: ug/L



Reviewer: farrellr, 08-Jan-2020 09:57:25
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2496.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	18-Nov-2019 11:07:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0086222-002				
Operator ID:	KN	Instrument ID:	HP5973S		
Method:	\\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	19-Nov-2019 09:35:41	Calib Date:	18-Nov-2019 18:54:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX0317				
First Level Reviewer: nowakk		Date:	18-Nov-2019 12:00:26		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.778	3.778	0.000	0	334241	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

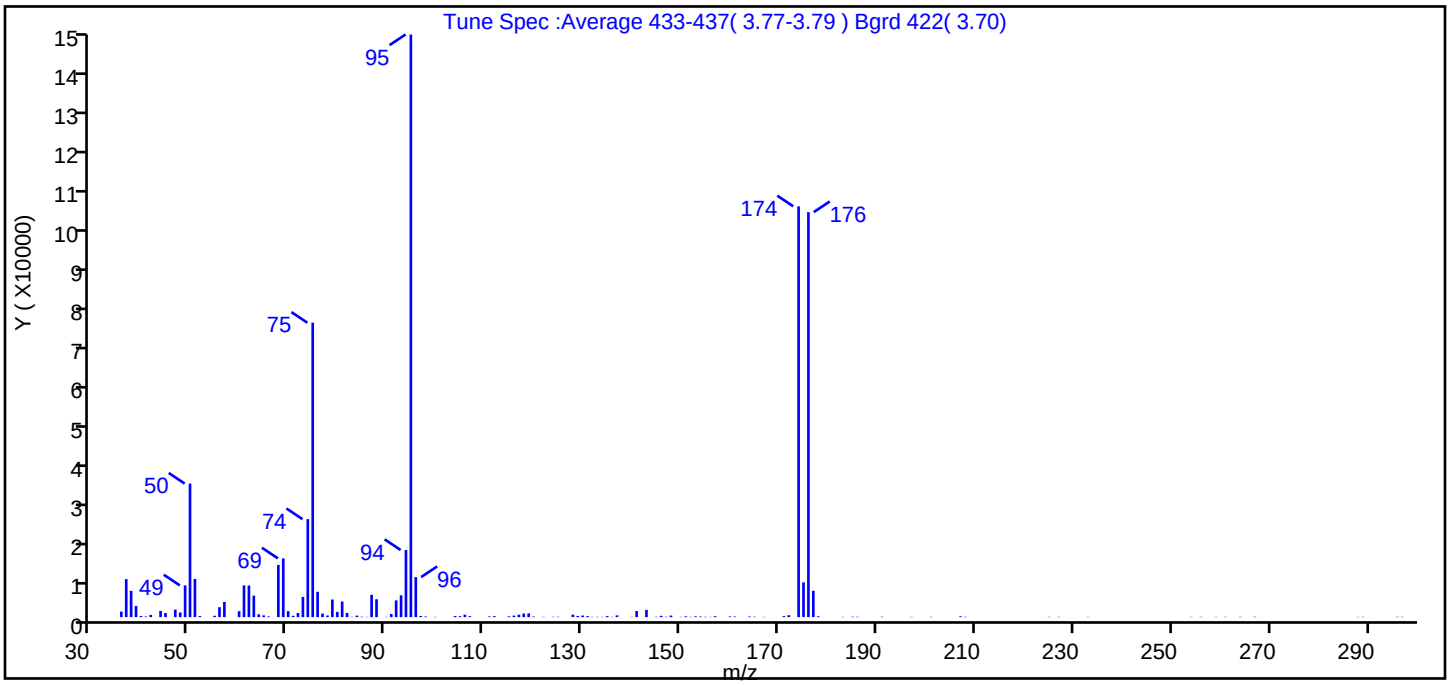
BFB_WRK_00097 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2496.D
Injection Date: 18-Nov-2019 11:07:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: KN ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.9
75	30 to 60% of m/z 95	50.5
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	70.5
175	5 to 9% of m/z 174	6.0 (8.5)
176	Greater than 95% but less than 101% of m/z 174	69.5 (98.6)
177	5 to 9% of m/z 176	4.5 (6.5)

Data File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2496.D\S-8260.rslt\spectra.d
Injection Date: 18-Nov-2019 11:07:30
Spectrum: Tune Spec :Average 433-437(3.77-3.79) Bgrd 422(3.70)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 130

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1424	75.00	75120	118.00	922	164.00	159
37.00	9706	76.00	6471	119.00	954	165.00	113
38.00	6710	77.00	909	120.00	156	167.00	73
39.00	2853	78.00	418	122.00	83	171.00	263
40.00	279	79.00	4502	124.00	90	172.00	495
41.00	171	80.00	1350	125.00	108	174.00	104824
42.00	565	81.00	3996	128.00	641	175.00	8880
44.00	1601	82.00	1070	129.00	303	176.00	103344
45.00	1067	83.00	87	130.00	411	177.00	6722
47.00	1919	84.00	395	131.00	263	178.00	222
48.00	1202	85.00	112	132.00	72	183.00	73
49.00	8101	86.00	71	133.00	86	185.00	120
50.00	34072	87.00	5689	134.00	74	186.00	95
51.00	9747	88.00	4561	135.00	272	191.00	106
52.00	276	90.00	70	136.00	79	197.00	76
55.00	347	91.00	812	137.00	453	201.00	84
56.00	2537	92.00	4270	140.00	74	207.00	204
57.00	3881	93.00	5568	141.00	1577	208.00	93
60.00	1514	94.00	17128	143.00	1851	225.00	87
61.00	8110	95.00	148672	145.00	100	227.00	86
62.00	8074	96.00	10218	146.00	338	233.00	71
63.00	5502	97.00	311	147.00	97	254.00	82
64.00	716	98.00	166	148.00	405	256.00	84
65.00	449	100.00	76	150.00	77	259.00	73
66.00	179	104.00	287	151.00	211	261.00	81
67.00	11	105.00	240	152.00	84	264.00	84
68.00	13322	106.00	640	153.00	203	267.00	101
69.00	14983	107.00	242	154.00	155	288.00	70
70.00	1527	111.00	177	155.00	90	289.00	88
71.00	347	112.00	263	156.00	70	296.00	92
72.00	1056	115.00	205	157.00	248	297.00	82
73.00	5160	116.00	391	160.00	183		
74.00	25008	117.00	632	161.00	150		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1424	75.00	75120	118.00	922	164.00	159
37.00	9706	76.00	6471	119.00	954	165.00	113
38.00	6710	77.00	909	120.00	156	167.00	73
39.00	2853	78.00	418	122.00	83	171.00	263
40.00	279	79.00	4502	124.00	90	172.00	495
41.00	171	80.00	1350	125.00	108	174.00	104824
42.00	565	81.00	3996	128.00	641	175.00	8880
44.00	1601	82.00	1070	129.00	303	176.00	103344
45.00	1067	83.00	87	130.00	411	177.00	6722
47.00	1919	84.00	395	131.00	263	178.00	222
48.00	1202	85.00	112	132.00	72	183.00	73
49.00	8101	86.00	71	133.00	86	185.00	120
50.00	34072	87.00	5689	134.00	74	186.00	95
51.00	9747	88.00	4561	135.00	272	191.00	106
52.00	276	90.00	70	136.00	79	197.00	76
55.00	347	91.00	812	137.00	453	201.00	84
56.00	2537	92.00	4270	140.00	74	207.00	204
57.00	3881	93.00	5568	141.00	1577	208.00	93
60.00	1514	94.00	17128	143.00	1851	225.00	87
61.00	8110	95.00	148672	145.00	100	227.00	86
62.00	8074	96.00	10218	146.00	338	233.00	71
63.00	5502	97.00	311	147.00	97	254.00	82
64.00	716	98.00	166	148.00	405	256.00	84
65.00	449	100.00	76	150.00	77	259.00	73
66.00	179	104.00	287	151.00	211	261.00	81
67.00	11	105.00	240	152.00	84	264.00	84
68.00	13322	106.00	640	153.00	203	267.00	101
69.00	14983	107.00	242	154.00	155	288.00	70
70.00	1527	111.00	177	155.00	90	289.00	88
71.00	347	112.00	263	156.00	70	296.00	92
72.00	1056	115.00	205	157.00	248	297.00	82
73.00	5160	116.00	391	160.00	183		
74.00	25008	117.00	632	161.00	150		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3698.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	06-Jan-2020 08:08:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0087323-002				
Operator ID:	AM	Instrument ID:	HP5973S		
Method:	\\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	06-Jan-2020 08:17:31	Calib Date:	18-Nov-2019 18:54:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX0305				
First Level Reviewer: moffata		Date:	06-Jan-2020 08:17:31		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.753	3.753	0.000	0	385844	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

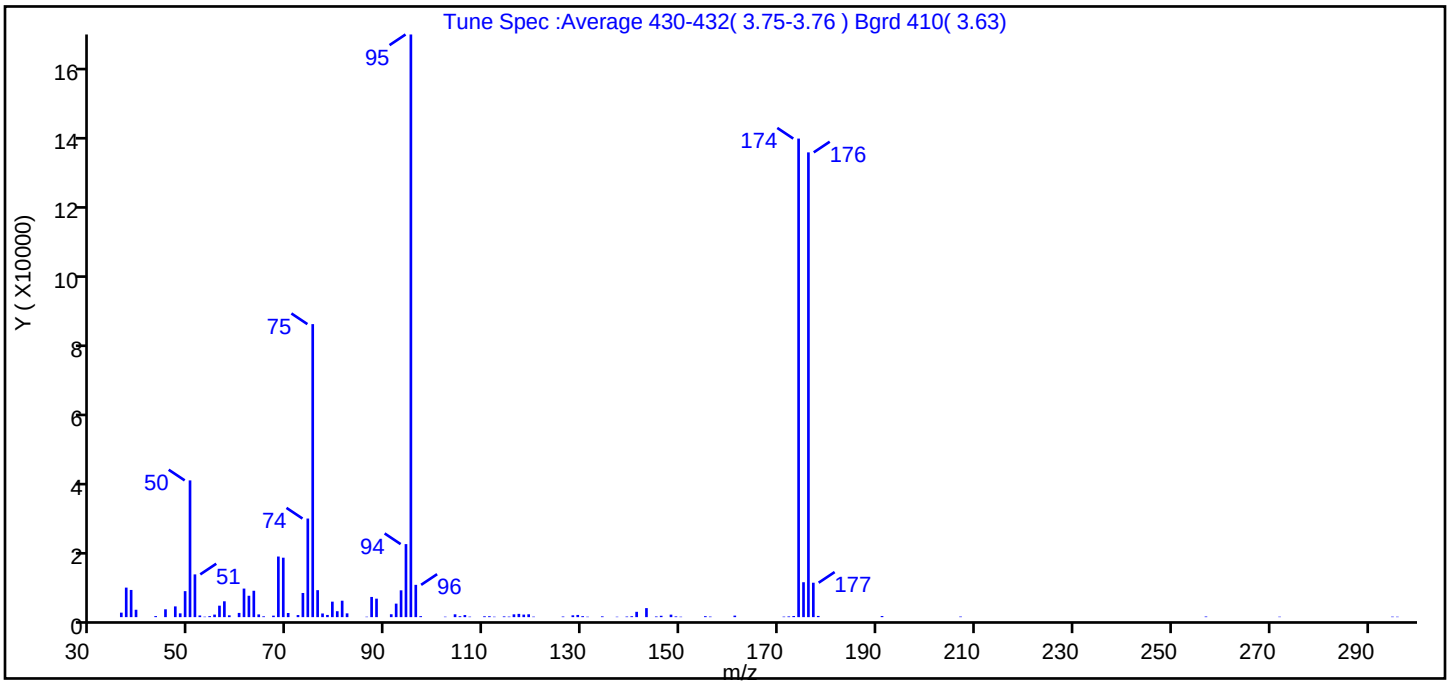
BFB_WRK_00100 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3698.D
Injection Date: 06-Jan-2020 08:08:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.5
75	30 to 60% of m/z 95	50.3
96	5 to 9% of m/z 95	5.5
173	Less than 2% of m/z 174	0.2 (0.2)
174	50 to 120% of m/z 95	82.1
175	5 to 9% of m/z 174	6.0 (7.3)
176	Greater than 95% but less than 101% of m/z 174	79.8 (97.1)
177	5 to 9% of m/z 176	5.9 (7.4)

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3698.D\S-8260.rslt\spectra.d
Injection Date: 06-Jan-2020 08:08:30
Spectrum: Tune Spec :Average 430-432(3.75-3.76) Bgrd 410(3.63)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 97

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1255	68.00	16920	104.00	793	145.00	189
37.00	8243	69.00	16592	105.00	260	146.00	379
38.00	7590	70.00	1155	106.00	579	148.00	697
39.00	2063	72.00	584	107.00	138	149.00	208
43.00	296	73.00	6743	110.00	240	150.00	120
45.00	2193	74.00	27520	111.00	255	155.00	272
47.00	3000	75.00	81784	112.00	124	156.00	155
48.00	1059	76.00	7530	114.00	207	161.00	424
49.00	7256	77.00	1024	115.00	151	171.00	146
50.00	38168	78.00	615	116.00	786	172.00	201
51.00	11933	79.00	4324	117.00	911	173.00	316
52.00	468	80.00	1656	118.00	715	174.00	133568
53.00	128	81.00	4587	119.00	801	175.00	9745
54.00	285	82.00	1056	120.00	143	176.00	129720
55.00	710	86.00	117	126.00	169	177.00	9607
56.00	3202	87.00	5637	128.00	510	178.00	337
57.00	4424	88.00	5160	129.00	612	191.00	306
58.00	507	91.00	808	130.00	269	207.00	161
60.00	1178	92.00	3774	131.00	124	257.00	176
61.00	7971	93.00	7486	134.00	217	272.00	126
62.00	5969	94.00	20384	137.00	117	295.00	139
63.00	7366	95.00	162624	139.00	171	296.00	120
64.00	764	96.00	9014	140.00	258		
65.00	228	97.00	275	141.00	1488		
67.00	413	102.00	127	143.00	2521		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3719.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	07-Jan-2020 08:01:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0087345-002				
Operator ID:	CL	Instrument ID:	HP5973S		
Method:	\\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	07-Jan-2020 08:24:31	Calib Date:	18-Nov-2019 18:54:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX0333				
First Level Reviewer: lapointec		Date:	07-Jan-2020 08:24:31		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.796	3.796	0.000	0	275182	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

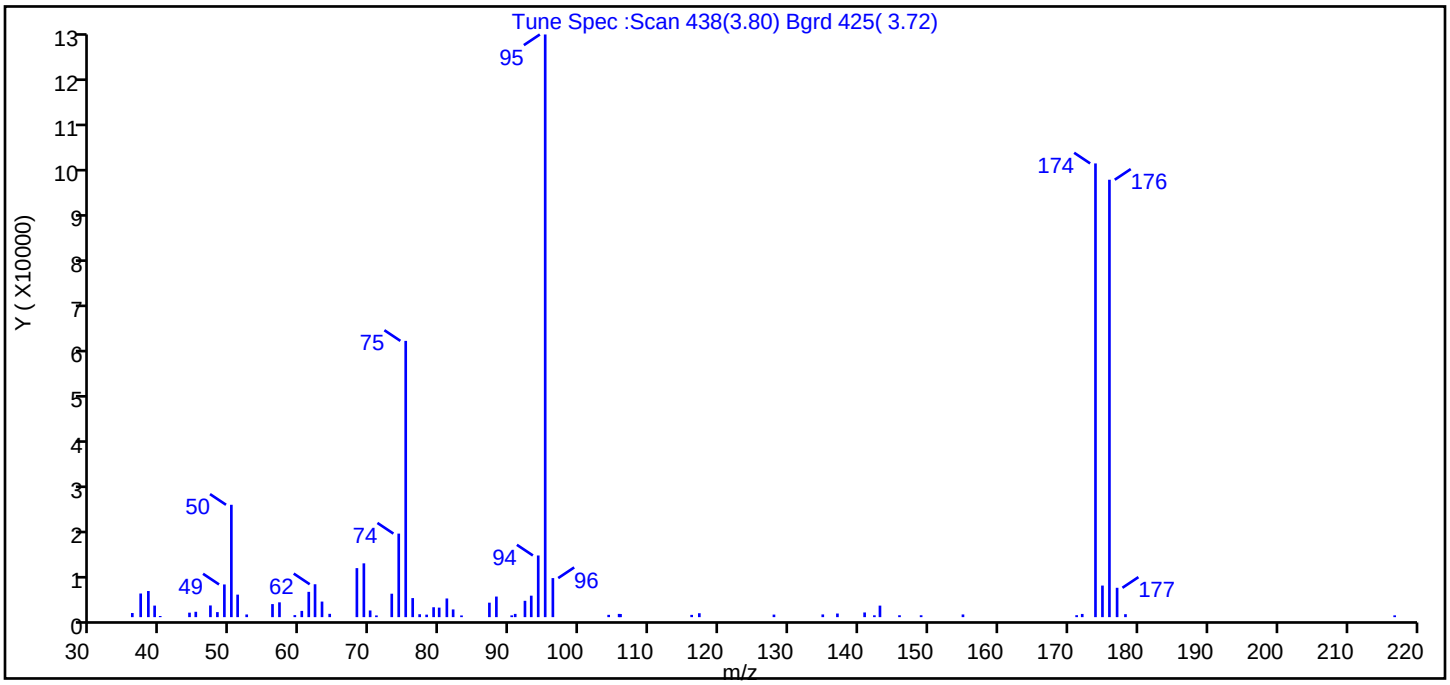
BFB_WRK_00100 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3719.D
Injection Date: 07-Jan-2020 08:01:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: CL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.3
75	30 to 60% of m/z 95	47.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.9
175	5 to 9% of m/z 174	5.4 (7.0)
176	Greater than 95% but less than 101% of m/z 174	75.1 (96.4)
177	5 to 9% of m/z 176	5.0 (6.7)

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3719.D\S-8260.rslt\spectra.d
Injection Date: 07-Jan-2020 08:01:30
Spectrum: Tune Spec :Scan 438(3.80) Bgrd 425(3.72)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.80	852	61.10	5222	81.80	1594	134.80	562
37.00	4882	62.00	6791	83.00	351	136.90	748
38.10	5391	63.00	3215	87.00	2987	140.80	968
39.00	2384	64.10	684	88.00	4251	142.20	382
39.80	234	68.00	10123	90.20	366	143.00	2380
44.00	926	69.00	11108	90.70	673	145.80	390
44.90	1108	69.90	1378	92.10	3374	148.90	390
47.00	2414	70.80	353	93.00	4433	154.90	556
48.00	1038	73.00	4838	94.00	12732	171.20	405
49.00	6751	74.00	17248	95.00	120304	172.00	662
50.00	23200	75.00	57040	96.10	8064	173.90	93680
50.90	4648	76.00	3936	104.10	477	174.90	6521
52.20	553	77.00	602	105.60	670	175.90	90312
55.90	2694	78.00	518	105.80	639	177.00	6061
56.90	3057	79.00	2043	116.00	471	178.20	613
59.10	419	79.80	1967	117.10	808	216.80	369
60.10	1291	80.90	3856	127.80	528		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9249.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 17-Dec-2019 13:55:30 ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0086996-004
Operator ID: RF Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2019 16:08:30 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0330

First Level Reviewer: farrellr Date: 17-Dec-2019 14:52:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	5.468	5.468	0.000	0	377579	NR	NR	a

QC Flag Legend

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

Reagents:

MV_BFB_STK_00073 Amount Added: 1.00 Units: uL

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

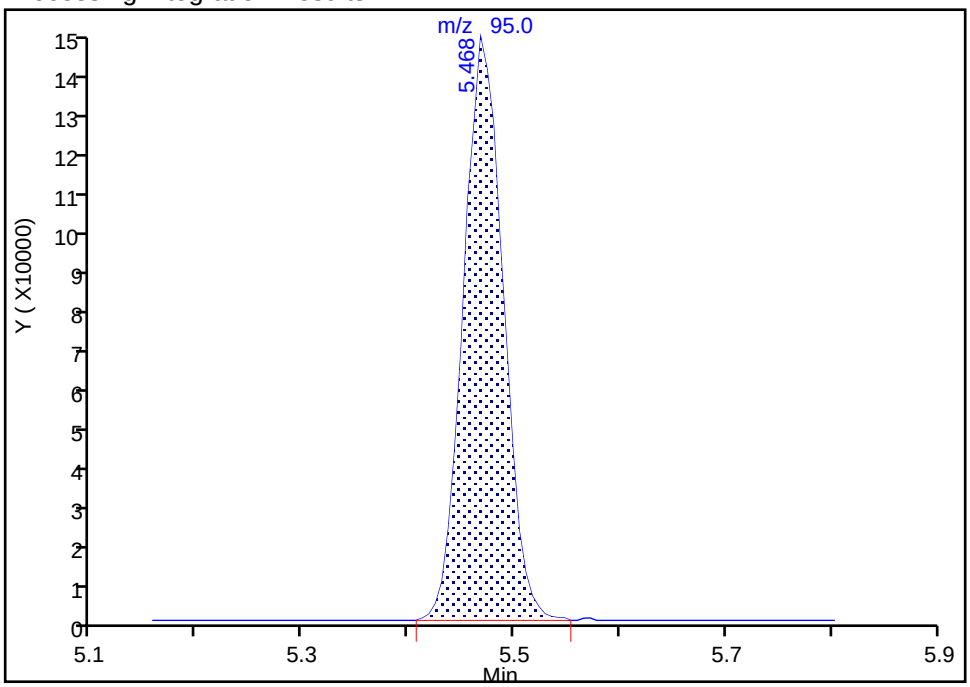
Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9249.D
Injection Date: 17-Dec-2019 13:55:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: RF ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

$ 5 BFB, CAS: 460-00-4

Signal: 1

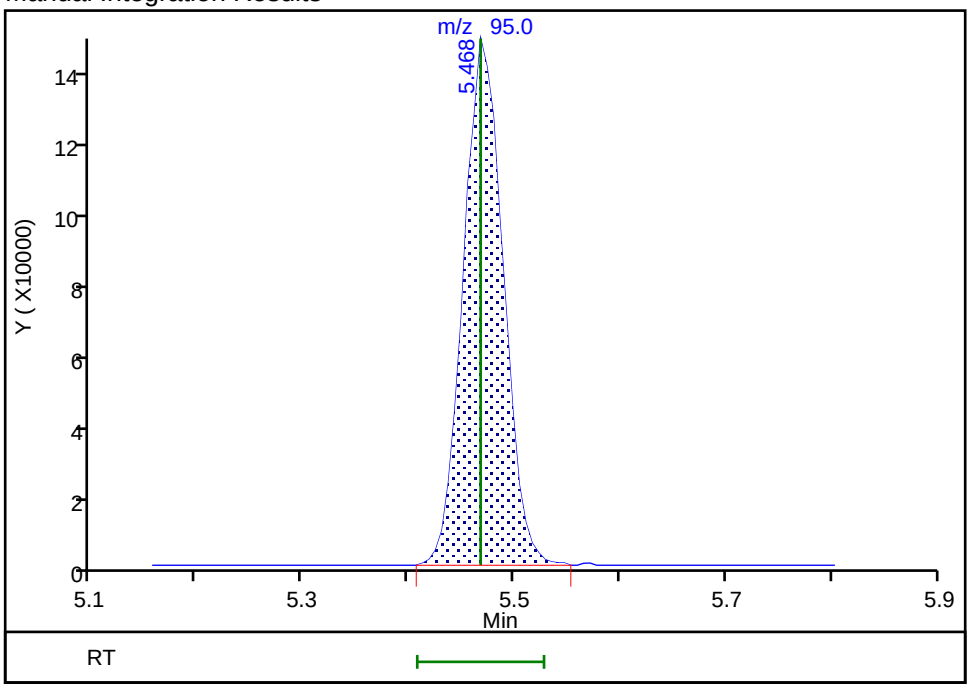
Processing Integration Results

RT: 5.47
Area: 377579
Amount: 0
Amount Units: ug/L



Manual Integration Results

RT: 5.47
Area: 377579
Amount: 0
Amount Units: ug/L



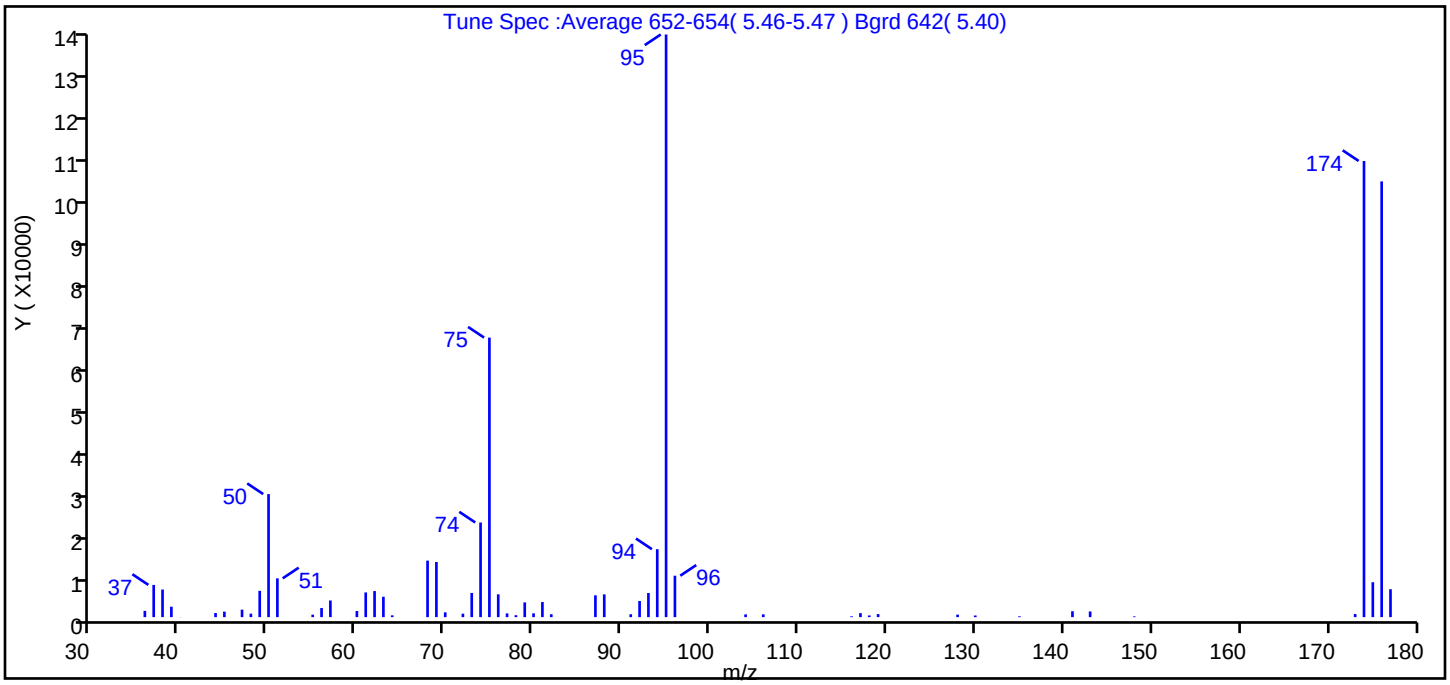
Reviewer: farrellr, 17-Dec-2019 14:04:21
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9249.D
Injection Date: 17-Dec-2019 13:55:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: RF ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.1
75	30 to 60% of m/z 95	48.0
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.5 (0.7)
174	50 to 120% of m/z 95	78.3
175	5 to 9% of m/z 174	6.0 (7.7)
176	Greater than 95% but less than 101% of m/z 174	74.8 (95.5)
177	5 to 9% of m/z 176	4.8 (6.4)

Data File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9249.D\T-8260.rslt\spectra.d
Injection Date: 17-Dec-2019 13:55:30
Spectrum: Tune Spec :Average 652-654(5.46-5.47) Bgrd 642(5.40)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1447	60.00	1412	79.00	3407	117.00	925
37.00	7442	61.00	5707	80.00	878	118.00	392
38.00	6376	62.00	6018	81.00	3484	119.00	705
39.00	2407	63.00	4708	82.00	673	128.00	578
40.00	25	64.00	416	87.00	5035	130.00	383
44.00	951	68.00	13046	88.00	5248	135.00	191
45.00	1274	69.00	12727	91.00	672	141.00	1367
47.00	1729	70.00	1107	92.00	3728	143.00	1311
48.00	800	72.00	802	93.00	5574	148.00	170
49.00	6068	73.00	5589	94.00	15681	173.00	716
50.00	28400	74.00	21848	95.00	134464	174.00	105272
51.00	8955	75.00	64512	96.00	9560	175.00	8057
55.00	568	76.00	5270	104.00	634	176.00	100560
56.00	2101	77.00	863	106.00	649	177.00	6445
57.00	3842	78.00	450	116.00	187		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9849.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 08-Jan-2020 08:51:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0087375-002
Operator ID: RF Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2020 11:28:08 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0336

First Level Reviewer: farrellr Date: 08-Jan-2020 11:28:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	5.474	5.474	0.000	70	32792	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

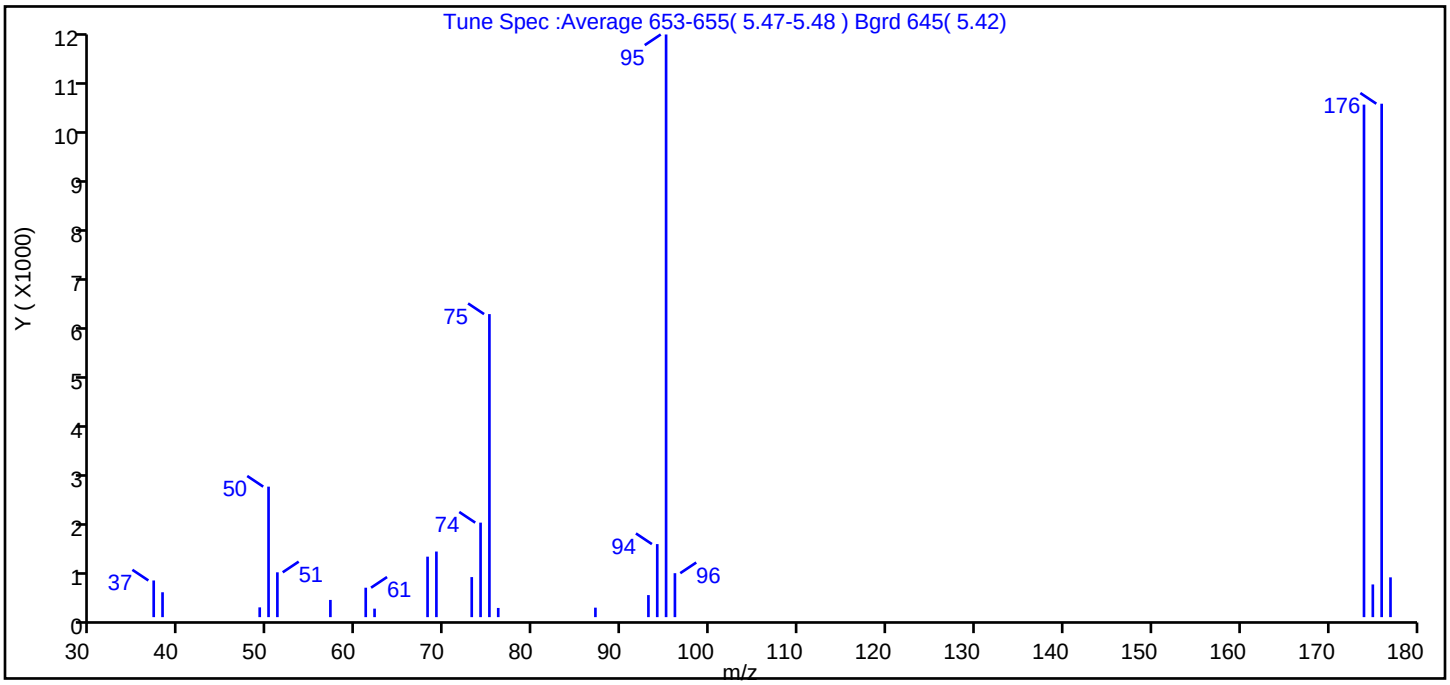
BFB_WRK_00099 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9849.D
Injection Date: 08-Jan-2020 08:51:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: RF ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.4
75	30 to 60% of m/z 95	52.0
96	5 to 9% of m/z 95	7.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	88.0
175	5 to 9% of m/z 174	5.6 (6.4)
176	Greater than 95% but less than 101% of m/z 174	88.1 (100.2)
177	5 to 9% of m/z 176	6.8 (7.8)

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9849.D\T-8260.rslt\spectra.d
Injection Date: 08-Jan-2020 08:51:30
Spectrum: Tune Spec :Average 653-655(5.47-5.48) Bgrd 645(5.42)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 23

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	750	61.00	602	75.00	6198	96.00	899
38.00	509	62.00	174	76.00	188	174.00	10482
49.00	200	68.00	1237	87.00	194	175.00	669
50.00	2669	69.00	1342	93.00	451	176.00	10501
51.00	917	73.00	819	94.00	1494	177.00	814
57.00	352	74.00	1933	95.00	11917		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-512458/8

Matrix: Water Lab File ID: S3705.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2020 12:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512458 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-512458/8

Matrix: Water Lab File ID: S3705.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2020 12:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512458 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	113		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3705.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 06-Jan-2020 12:15:30 ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0087323-008
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Jan-2020 13:07:35 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: moffata Date: 06-Jan-2020 13:07:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.437	5.443	-0.006	98	151981	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	88	317354	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.827	10.821	0.006	96	293743	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.853	0.000	60	184165	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	91	128493	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.001	85	742071	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	85	234250	25.0	28.2	
10 Dichlorodifluoromethane	85		1.257					ND	
11 Chlorodifluoromethane	51		1.288					ND	
12 Chloromethane	50		1.434					ND	
13 Vinyl chloride	62		1.531					ND	
151 Butadiene	54		1.543					ND	
14 Bromomethane	94		1.829					ND	
15 Chloroethane	64		1.927					ND	
17 Trichlorofluoromethane	101		2.146					ND	
16 Dichlorofluoromethane	67		2.146					ND	
18 Ethyl ether	59		2.432					ND	
148 Ethanol	45		2.450					ND	
19 Propene oxide	58		2.523					ND	
20 Acrolein	56		2.620					ND	U
21 1,1,2-Trichloro-1,2,2-trif	101		2.657					ND	
22 1,1-Dichloroethene	96		2.657					ND	
23 Acetone	43		2.778					ND	
25 Iodomethane	142		2.815					ND	
26 Carbon disulfide	76		2.851					ND	U
24 Isopropyl alcohol	45		2.967					ND	
28 3-Chloro-1-propene	41		3.034					ND	
27 Methyl acetate	43		3.076					ND	
29 Acetonitrile	40		3.094					ND	U
30 Methylene Chloride	84		3.180					ND	
31 2-Methyl-2-propanol	59		3.350					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.387					ND	U
34 trans-1,2-Dichloroethene	96		3.405					ND	
33 Acrylonitrile	53		3.466					ND	
35 Hexane	57		3.593					ND	
139 Halothane	117		3.822					ND	
39 1,1-Dichloroethane	63		3.831					ND	
36 Isopropyl ether	45		3.837					ND	
40 2-Chloro-1,3-butadiene	53		3.885					ND	
37 Vinyl acetate	43		3.886					ND	
38 1,1-Dimethoxyethane	75		3.916					ND	
41 Tert-butyl ethyl ether	59		4.177					ND	
44 2,2-Dichloropropane	77		4.354					ND	
45 cis-1,2-Dichloroethene	96		4.384					ND	
43 2-Butanone (MEK)	43		4.421					ND	
42 Ethyl acetate	43		4.457					ND	
46 Propionitrile	54		4.530					ND	
48 Chlorobromomethane	128		4.622					ND	
49 Tetrahydrofuran	42		4.634					ND	
47 Methacrylonitrile	41		4.640					ND	
50 Chloroform	83		4.701					ND	
51 1,1,1-Trichloroethane	97		4.816					ND	
52 Cyclohexane	56		4.816					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.871					ND	
55 Carbon tetrachloride	117		4.944					ND	
54 1,1-Dichloropropene	75		4.962					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.157					ND	
57 Benzene	78		5.169					ND	
53 Isobutyl alcohol	43		5.193					ND	
56 Tert-amyl methyl ether	73		5.242					ND	
58 1,2-Dichloroethane	62		5.242					ND	
147 t-Amyl alcohol	59		5.248					ND	
59 n-Heptane	43		5.346					ND	
1 1,4-Difluorobenzene	114		5.552					ND	
62 Trichloroethene	95		5.777					ND	
60 n-Butanol	56		5.814					ND	
64 Methylcyclohexane	83		5.893					ND	
142 Ethyl acrylate	55		5.905					ND	
65 1,2-Dichloropropane	63		6.021					ND	
63 Methyl methacrylate	41		6.124					ND	
67 Dibromomethane	93		6.167					ND	
66 1,4-Dioxane	88		6.167					ND	
68 Dichlorobromomethane	83		6.319					ND	
70 2-Nitropropane	43		6.574					ND	
69 2-Chloroethyl vinyl ether	63		6.593					ND	
71 Epichlorohydrin	57		6.690					ND	
72 cis-1,3-Dichloropropene	75		6.733					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.879					ND	
74 Toluene	92		7.019					ND	
76 2-Methylthiophene	97		7.158					ND	
77 trans-1,3-Dichloropropene	75		7.304					ND	
78 3-Methylthiophene	97		7.323					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.347					ND	
79 1,1,2-Trichloroethane	83		7.493					ND	
81 Tetrachloroethene	166		7.548					ND	
82 1,3-Dichloropropane	76		7.657					ND	
80 2-Hexanone	43		7.718					ND	
155 n-Butyl acetate	43		7.827					ND	
83 Chlorodibromomethane	129		7.888					ND	
84 Ethylene Dibromide	107		7.992					ND	
146 1-Chlorohexane	55		8.418					ND	U
85 3-Chlorobenzotrifluoride	180		8.436					ND	
87 Chlorobenzene	112		8.466					ND	
86 4-Chlorobenzotrifluoride	180		8.497					ND	
88 Ethylbenzene	91		8.558					ND	
89 1,1,1,2-Tetrachloroethane	131		8.570					ND	
90 m-Xylene & p-Xylene	106		8.679					ND	
91 o-Xylene	106		9.105					ND	
92 Styrene	104		9.136					ND	
95 Bromoform	173		9.391					ND	
93 2-Chlorobenzotrifluoride	180		9.415					ND	
94 Isopropylbenzene	105		9.488					ND	
96 Cyclohexanone	55		9.665					ND	
101 Bromobenzene	156		9.835					ND	
97 1,1,2,2-Tetrachloroethane	83		9.902					ND	
99 N-Propylbenzene	91		9.914					ND	
100 1,2,3-Trichloropropane	110		9.933					ND	
98 trans-1,4-Dichloro-2-buten	53		9.945					ND	
103 2-Chlorotoluene	126		10.018					ND	
104 3-Chlorotoluene	126		10.084					ND	
102 1,3,5-Trimethylbenzene	105		10.097					ND	
105 4-Chlorotoluene	126		10.133					ND	
106 tert-Butylbenzene	134		10.407					ND	
107 1,2,4-Trimethylbenzene	105		10.468					ND	
108 Pentachloroethane	167		10.474					ND	
109 sec-Butylbenzene	105		10.620					ND	
110 4-Isopropyltoluene	119		10.760					ND	
111 1,3-Dichlorobenzene	146		10.760					ND	
114 Dicyclopentadiene	66		10.821					ND	
113 1,4-Dichlorobenzene	146		10.845					ND	
112 1,2,3-Trimethylbenzene	105		10.869					ND	
150 Benzyl chloride	126		10.997					ND	
115 n-Butylbenzene	91		11.149					ND	
116 1,2-Dichlorobenzene	146		11.198					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.928					ND	
118 1,3,5-Trichlorobenzene	180		12.056					ND	
119 1,2,4-Trichlorobenzene	180		12.597					ND	
120 Hexachlorobutadiene	225		12.707					ND	
121 Naphthalene	128		12.816					ND	
122 1,2,3-Trichlorobenzene	180		13.017					ND	
149 2-Methylnaphthalene	142		13.722					ND	
144 1-Bromopropane TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

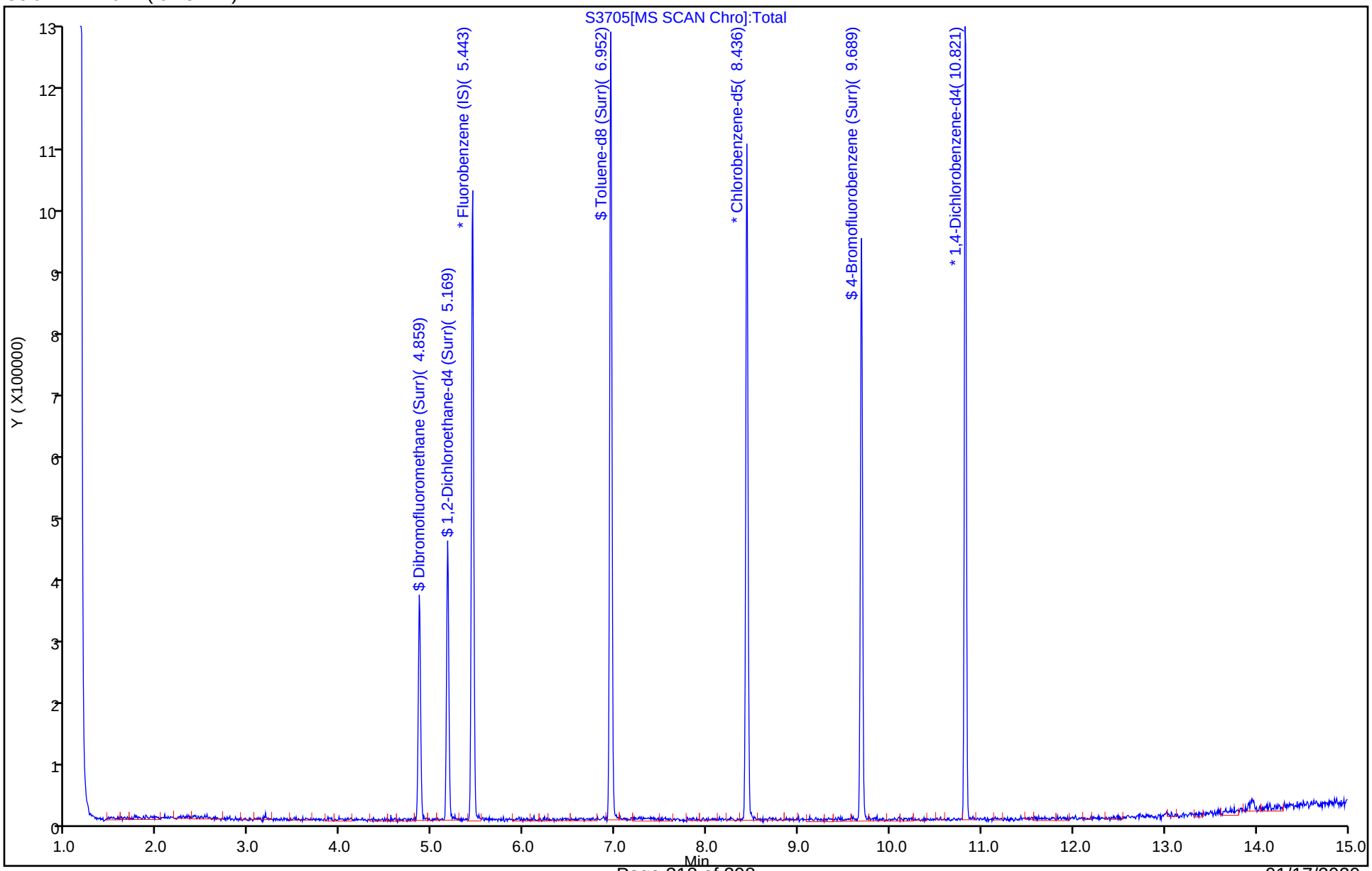
Report Date: 06-Jan-2020 13:07:36 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3705.D

Injection Date:	06-Jan-2020 12:15:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



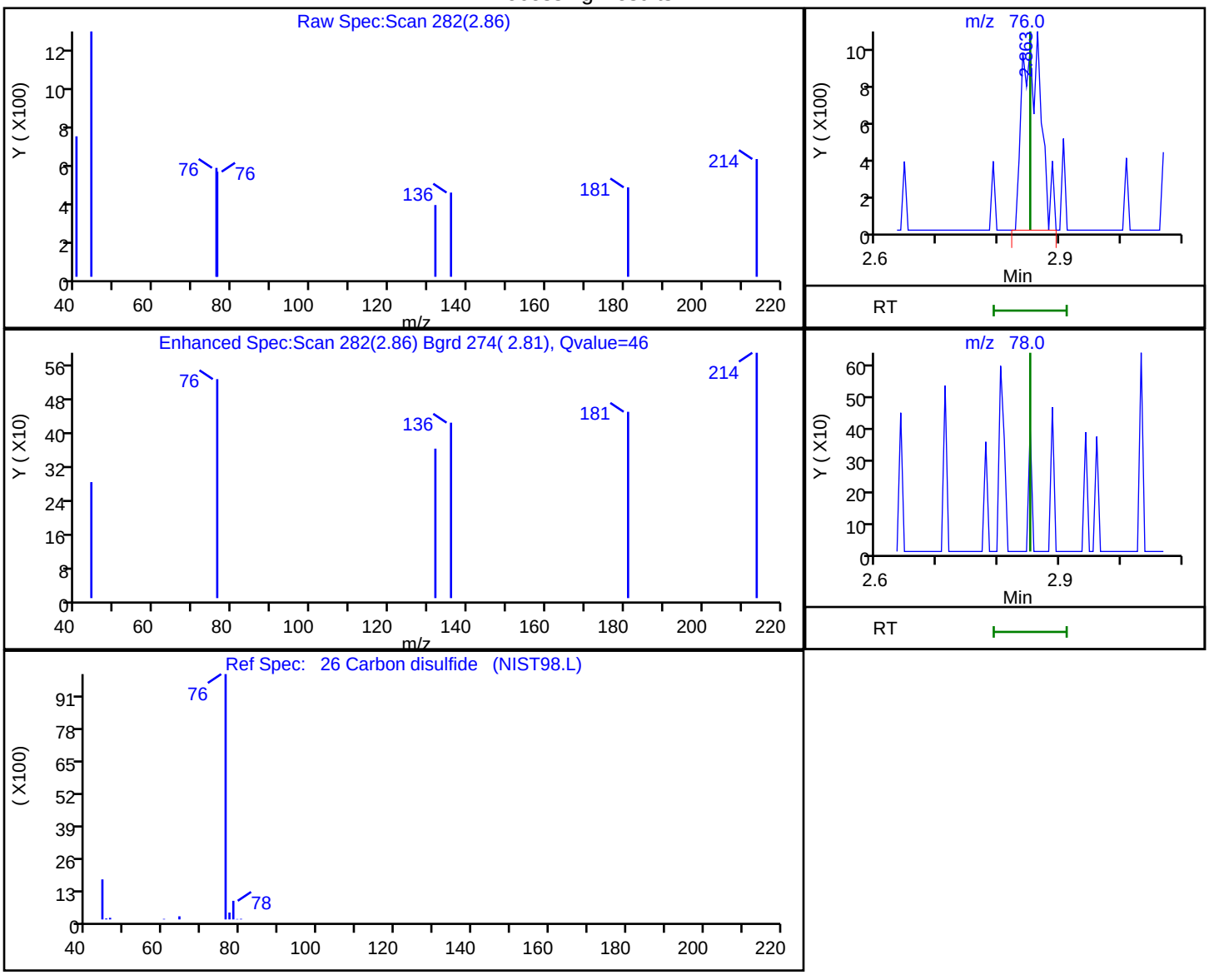
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3705.D
Injection Date: 06-Jan-2020 12:15:30 Instrument ID: HP5973S
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.86	76.00	2247	0.097560
2.85	78.00	0	

Reviewer: moffata, 06-Jan-2020 13:07:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

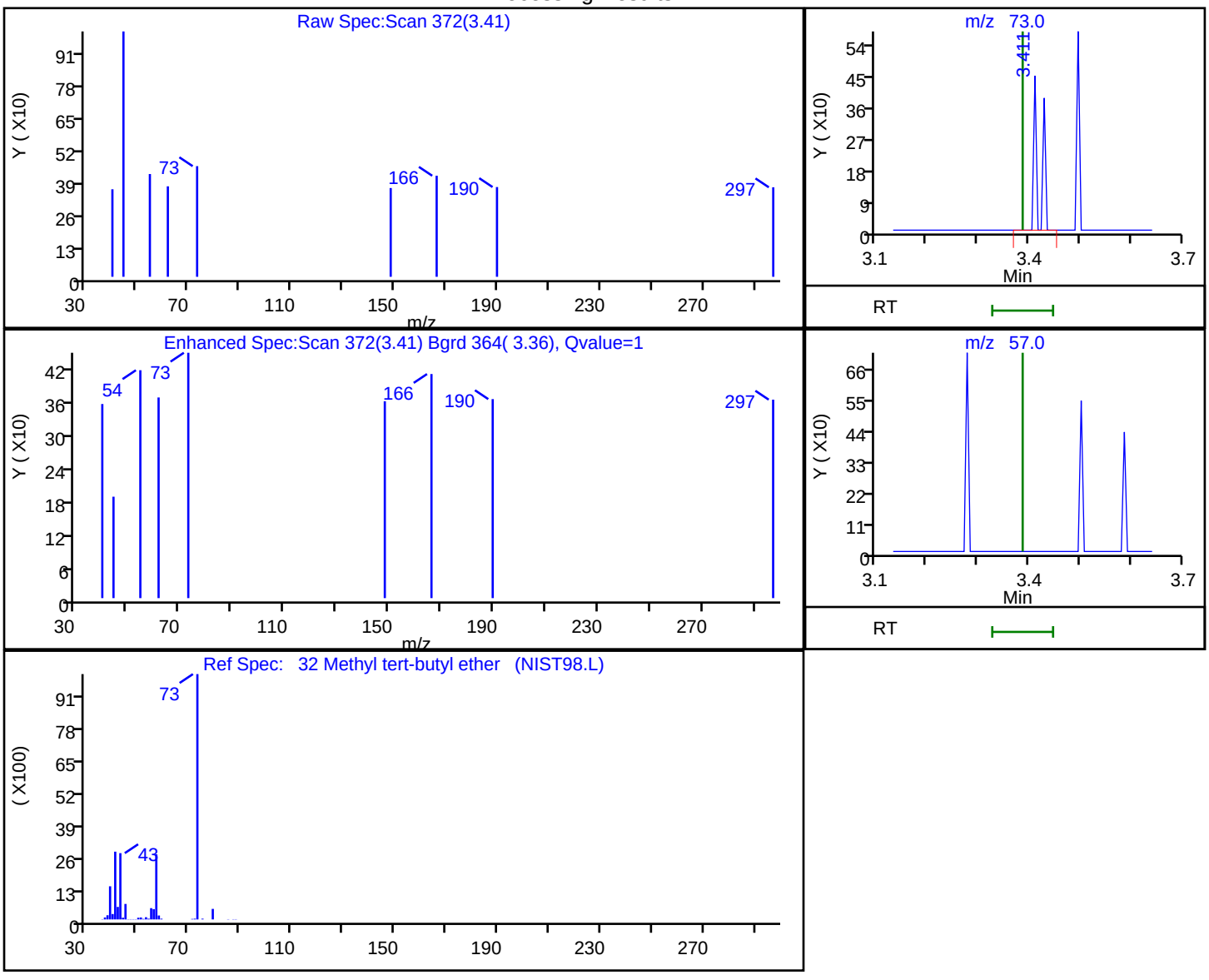
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3705.D
Injection Date: 06-Jan-2020 12:15:30 Instrument ID: HP5973S
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

32 Methyl tert-butyl ether, CAS: 1634-04-4

Processing Results



RT	Mass	Response	Amount
3.41	73.00	305	0.012797
3.39	57.00	0	

Reviewer: moffata, 06-Jan-2020 13:07:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-512586/9

Matrix: Water Lab File ID: S3724.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/07/2020 11:29

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512586 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-512586/9

Matrix: Water Lab File ID: S3724.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/07/2020 11:29

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512586 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	115		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3724.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 07-Jan-2020 11:29:30 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0087345-009
Operator ID: CL Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Jan-2020 11:59:18 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 07-Jan-2020 11:59:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	147812	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	90	308024	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.827	10.827	0.000	96	274149	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.865	4.859	0.006	56	177953	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	94	130082	25.0	26.5	
$ 5 Toluene-d8 (Surr)	98	6.951	6.951	0.000	94	735824	25.0	25.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	88	231195	25.0	28.7	
10 Dichlorodifluoromethane	85		1.263					ND	
11 Chlorodifluoromethane	51		1.282					ND	
12 Chloromethane	50		1.440					ND	
13 Vinyl chloride	62		1.531					ND	
151 Butadiene	54		1.543					ND	
14 Bromomethane	94		1.835					ND	
15 Chloroethane	64		1.926					ND	
16 Dichlorofluoromethane	67		2.145					ND	
17 Trichlorofluoromethane	101		2.152					ND	
18 Ethyl ether	59		2.431					ND	
148 Ethanol	45		2.444					ND	
19 Propene oxide	58		2.523					ND	
20 Acrolein	56		2.620					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.650					ND	
22 1,1-Dichloroethene	96		2.650					ND	
23 Acetone	43		2.778					ND	
25 Iodomethane	142		2.809					ND	
26 Carbon disulfide	76		2.845					ND	
24 Isopropyl alcohol	45		2.967					ND	
28 3-Chloro-1-propene	41		3.028					ND	
27 Methyl acetate	43		3.076					ND	
29 Acetonitrile	40		3.095					ND	U
30 Methylene Chloride	84		3.174					ND	
31 2-Methyl-2-propanol	59		3.356					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.386					ND	
34 trans-1,2-Dichloroethene	96		3.405					ND	
33 Acrylonitrile	53		3.466					ND	
35 Hexane	57		3.599					ND	
139 Halothane	117		3.822					ND	
39 1,1-Dichloroethane	63		3.825					ND	
36 Isopropyl ether	45		3.837					ND	
37 Vinyl acetate	43		3.885					ND	
40 2-Chloro-1,3-butadiene	53		3.885					ND	
38 1,1-Dimethoxyethane	75		3.916					ND	
41 Tert-butyl ethyl ether	59		4.177					ND	
44 2,2-Dichloropropane	77		4.348					ND	
45 cis-1,2-Dichloroethene	96		4.384					ND	
43 2-Butanone (MEK)	43		4.427					ND	
42 Ethyl acetate	43		4.451					ND	
46 Propionitrile	54		4.530					ND	
48 Chlorobromomethane	128		4.621					ND	
49 Tetrahydrofuran	42		4.640					ND	
47 Methacrylonitrile	41		4.640					ND	
50 Chloroform	83		4.701					ND	
52 Cyclohexane	56		4.810					ND	
51 1,1,1-Trichloroethane	97		4.810					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.871					ND	
55 Carbon tetrachloride	117		4.950					ND	
54 1,1-Dichloropropene	75		4.962					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.157					ND	
57 Benzene	78		5.169					ND	
53 Isobutyl alcohol	43		5.193					ND	
58 1,2-Dichloroethane	62		5.242					ND	
56 Tert-amyl methyl ether	73		5.242					ND	
147 t-Amyl alcohol	59		5.248					ND	
59 n-Heptane	43		5.345					ND	
1 1,4-Difluorobenzene	114		5.552					ND	
62 Trichloroethene	95		5.783					ND	
60 n-Butanol	56		5.814					ND	
64 Methylcyclohexane	83		5.893					ND	
142 Ethyl acrylate	55		5.905					ND	
65 1,2-Dichloropropane	63		6.021					ND	
63 Methyl methacrylate	41		6.124					ND	
67 Dibromomethane	93		6.161					ND	
66 1,4-Dioxane	88		6.167					ND	
68 Dichlorobromomethane	83		6.319					ND	
70 2-Nitropropane	43		6.574					ND	
69 2-Chloroethyl vinyl ether	63		6.599					ND	
71 Epichlorohydrin	57		6.690					ND	
72 cis-1,3-Dichloropropene	75		6.732					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.878					ND	
74 Toluene	92		7.018					ND	
76 2-Methylthiophene	97		7.152					ND	
77 trans-1,3-Dichloropropene	75		7.304					ND	
78 3-Methylthiophene	97		7.323					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.347					ND	
79 1,1,2-Trichloroethane	83		7.493					ND	
81 Tetrachloroethene	166		7.548					ND	
82 1,3-Dichloropropane	76		7.651					ND	
80 2-Hexanone	43		7.718					ND	
155 n-Butyl acetate	43		7.828					ND	
83 Chlorodibromomethane	129		7.888					ND	
84 Ethylene Dibromide	107		7.998					ND	
146 1-Chlorohexane	55		8.418					ND	U
85 3-Chlorobenzotrifluoride	180		8.436					ND	
87 Chlorobenzene	112		8.466					ND	
86 4-Chlorobenzotrifluoride	180		8.497					ND	
88 Ethylbenzene	91		8.558					ND	
89 1,1,1,2-Tetrachloroethane	131		8.564					ND	
90 m-Xylene & p-Xylene	106		8.679					ND	
91 o-Xylene	106		9.105					ND	
92 Styrene	104		9.135					ND	
95 Bromoform	173		9.391					ND	
93 2-Chlorobenzotrifluoride	180		9.421					ND	
94 Isopropylbenzene	105		9.488					ND	
96 Cyclohexanone	55		9.665					ND	
101 Bromobenzene	156		9.835					ND	
97 1,1,2,2-Tetrachloroethane	83		9.896					ND	
99 N-Propylbenzene	91		9.914					ND	
100 1,2,3-Trichloropropane	110		9.932					ND	
98 trans-1,4-Dichloro-2-buten	53		9.945					ND	
103 2-Chlorotoluene	126		10.018					ND	
104 3-Chlorotoluene	126		10.085					ND	
102 1,3,5-Trimethylbenzene	105		10.097					ND	
105 4-Chlorotoluene	126		10.133					ND	
106 tert-Butylbenzene	134		10.413					ND	
107 1,2,4-Trimethylbenzene	105		10.462					ND	
108 Pentachloroethane	167		10.474					ND	
109 sec-Butylbenzene	105		10.620					ND	
111 1,3-Dichlorobenzene	146		10.760					ND	
110 4-Isopropyltoluene	119		10.760					ND	
114 Dicyclopentadiene	66		10.821					ND	
113 1,4-Dichlorobenzene	146		10.845					ND	
112 1,2,3-Trimethylbenzene	105		10.875					ND	
150 Benzyl chloride	126		10.997					ND	
115 n-Butylbenzene	91		11.143					ND	
116 1,2-Dichlorobenzene	146		11.198					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.934					ND	
118 1,3,5-Trichlorobenzene	180		12.056					ND	
119 1,2,4-Trichlorobenzene	180		12.597					ND	
120 Hexachlorobutadiene	225		12.707					ND	
121 Naphthalene	128		12.816					ND	
122 1,2,3-Trichlorobenzene	180		13.017					ND	
149 2-Methylnaphthalene	142		13.723					ND	U
134 Pentachloroethane TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
145 Ethylene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

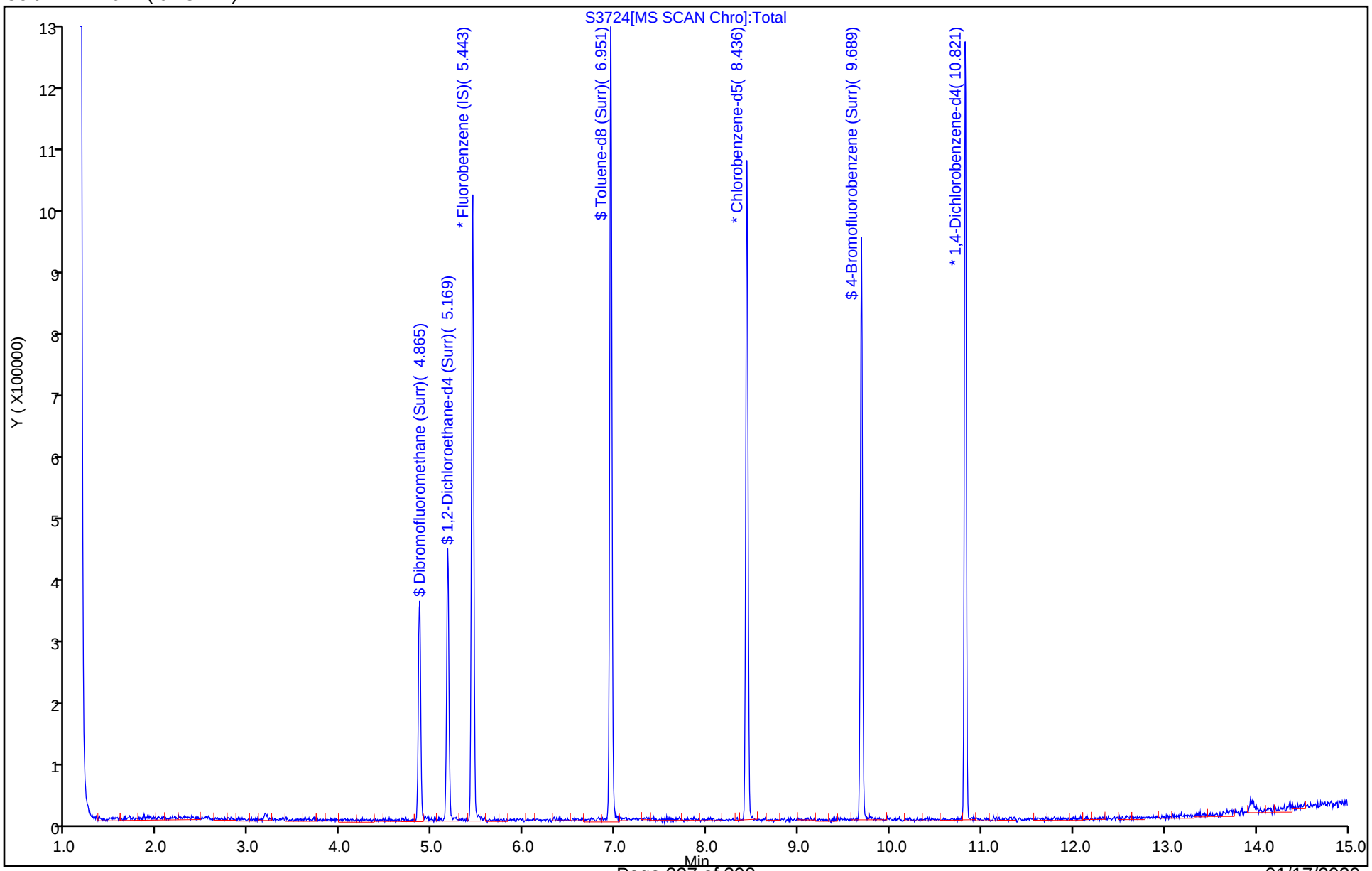
Report Date: 07-Jan-2020 11:59:41 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3724.D

Injection Date:	07-Jan-2020 11:29:30	Instrument ID:	HP5973S	Operator ID:	CL
Lims ID:	MB			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-512748/8

Matrix: Water Lab File ID: T9855.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/08/2020 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512748 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-512748/8

Matrix: Water Lab File ID: T9855.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/08/2020 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512748 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9855.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 08-Jan-2020 11:15:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: mb
Misc. Info.: 480-0087375-008
Operator ID: RF Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2020 11:31:56 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0336

First Level Reviewer: farrellr Date: 08-Jan-2020 12:01:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.791	4.791	0.000	98	153959	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	87	581919	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.957	8.957	0.000	96	320055	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.335	4.335	0.000	92	203453	25.0	26.6	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.574	4.584	-0.010	0	255300	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	5.962	5.973	-0.011	94	760399	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	226721	25.0	24.4	
11 Dichlorodifluoromethane	85		1.206					ND	
12 Chlorodifluoromethane	51		1.216					ND	
13 Chloromethane	50		1.371					ND	
151 Butadiene	54		1.444					ND	
14 Vinyl chloride	62		1.454					ND	
15 Bromomethane	94		1.713					ND	
16 Chloroethane	64		1.776					ND	
18 Dichlorofluoromethane	67		1.993					ND	
17 Trichlorofluoromethane	101		1.993					ND	
19 Ethyl ether	59		2.242					ND	
148 Ethanol	45		2.273					ND	
84 Propene oxide	58		2.325					ND	
21 Acrolein	56		2.418					ND	
22 1,1-Dichloroethene	96		2.449					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.449					ND	
23 Acetone	43		2.563					ND	U
24 Iodomethane	142		2.605					ND	
25 Carbon disulfide	76		2.625					ND	
26 Isopropyl alcohol	45		2.729					ND	
27 3-Chloro-1-propene	41		2.791					ND	
28 Methyl acetate	43		2.833					ND	
29 Acetonitrile	40		2.843					ND	
30 Methylene Chloride	84		2.926					ND	
31 2-Methyl-2-propanol	59		3.092					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73		3.112					ND	
32 trans-1,2-Dichloroethene	96		3.123					ND	
34 Acrylonitrile	53		3.175					ND	
35 Hexane	57		3.278					ND	
36 1,1-Dichloroethane	63		3.486					ND	
37 Isopropyl ether	45		3.486					ND	
39 Vinyl acetate	43		3.517					ND	
139 Halothane	117		3.517					ND	
38 2-Chloro-1,3-butadiene	53		3.527					ND	
40 1,1-Dimethoxyethane	75		3.548					ND	
41 Tert-butyl ethyl ether	59		3.776					ND	
42 2,2-Dichloropropane	77		3.921					ND	
43 cis-1,2-Dichloroethene	96		3.952					ND	
44 2-Butanone (MEK)	43		3.973					ND	
45 Ethyl acetate	43		3.993					ND	
46 Propionitrile	54		4.066					ND	
48 Tetrahydrofuran	42		4.149					ND	
47 Chlorobromomethane	128		4.149					ND	
49 Methacrylonitrile	41		4.149					ND	
50 Chloroform	83		4.211					ND	
52 Cyclohexane	56		4.304					ND	
51 1,1,1-Trichloroethane	97		4.304					ND	
53 Carbon tetrachloride	117		4.408					ND	
54 1,1-Dichloropropene	75		4.418					ND	
152 Isooctane	57		4.574					ND	
55 Benzene	78		4.584					ND	
56 Isobutyl alcohol	43		4.594					ND	
57 1,2-Dichloroethane	62		4.636					ND	
58 Tert-amyl methyl ether	73		4.636					ND	
147 t-Amyl alcohol	59		4.646					ND	
59 n-Heptane	43		4.719					ND	
1 1,4-Difluorobenzene	114		4.885					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.968					ND	
60 Trichloroethene	95		5.061					ND	
61 n-Butanol	56		5.082					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.154					ND	
142 Ethyl acrylate	55		5.154					ND	
62 Methylcyclohexane	83		5.164					ND	
63 1,2-Dichloropropane	63		5.258					ND	
64 Methyl methacrylate	41		5.320					ND	
65 Dibromomethane	93		5.361					ND	
66 1,4-Dioxane	88		5.361					ND	
67 Dichlorobromomethane	83		5.486					ND	
68 2-Nitropropane	43		5.672					ND	
69 2-Chloroethyl vinyl ether	63		5.693					ND	
70 Epichlorohydrin	57		5.766					ND	
71 cis-1,3-Dichloropropene	75		5.796					ND	
72 4-Methyl-2-pentanone (MIBK	43		5.910					ND	U
73 Toluene	92		6.014					ND	
74 2-Methylthiophene	97		6.128					ND	
75 trans-1,3-Dichloropropene	75		6.232					ND	
77 Ethyl methacrylate	69		6.252					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
76 3-Methylthiophene	97		6.253					ND	
78 1,1,2-Trichloroethane	83		6.377					ND	
79 Tetrachloroethene	166		6.418					ND	
80 1,3-Dichloropropane	76		6.501					ND	
81 2-Hexanone	43		6.543					ND	
155 n-Butyl acetate	43		6.615					ND	
82 Chlorodibromomethane	129		6.677					ND	
83 Ethylene Dibromide	107		6.760					ND	
146 1-Chlorohexane	55		7.061					ND	U
85 3-Chlorobenzotrifluoride	180		7.082					ND	
86 Chlorobenzene	112		7.113					ND	
87 4-Chlorobenzotrifluoride	180		7.123					ND	
88 Ethylbenzene	91		7.175					ND	
89 1,1,1,2-Tetrachloroethane	131		7.185					ND	
90 m-Xylene & p-Xylene	106		7.268					ND	
91 o-Xylene	106		7.589					ND	
92 Styrene	104		7.610					ND	
93 Bromoform	173		7.797					ND	
94 2-Chlorobenzotrifluoride	180		7.807					ND	
95 Isopropylbenzene	105		7.869					ND	
96 Cyclohexanone	55		8.014					ND	
97 Bromobenzene	156		8.149					ND	
98 1,1,2,2-Tetrachloroethane	83		8.180					ND	
99 N-Propylbenzene	91		8.201					ND	
100 1,2,3-Trichloropropane	110		8.211					ND	
101 trans-1,4-Dichloro-2-buten	53		8.211					ND	
105 2-Chlorotoluene	126		8.284					ND	
104 1,3,5-Trimethylbenzene	105		8.335					ND	
103 3-Chlorotoluene	126		8.336					ND	
102 4-Chlorotoluene	91		8.377					ND	
106 tert-Butylbenzene	134		8.595					ND	
107 1,2,4-Trimethylbenzene	105		8.646					ND	
108 Pentachloroethane	167		8.657					ND	
109 sec-Butylbenzene	105		8.771					ND	
111 4-Isopropyltoluene	119		8.895					ND	
110 1,3-Dichlorobenzene	146		8.895					ND	
112 Dicyclopentadiene	66		8.957					ND	
113 1,4-Dichlorobenzene	146		8.978					ND	
114 1,2,3-Trimethylbenzene	105		8.999					ND	
150 Benzyl chloride	126		9.102					ND	
115 n-Butylbenzene	91		9.237					ND	
116 1,2-Dichlorobenzene	146		9.289					ND	
117 1,2-Dibromo-3-Chloropropan	75		9.962					ND	
118 1,3,5-Trichlorobenzene	180		10.077					ND	
119 1,2,4-Trichlorobenzene	180		10.605					ND	
120 Hexachlorobutadiene	225		10.709					ND	
121 Naphthalene	128		10.812					ND	
122 1,2,3-Trichlorobenzene	180		11.009					ND	
149 2-Methylnaphthalene	142		11.683					ND	
143 Propene oxide TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00203	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added:	1.00	Units: uL	Run Reagent

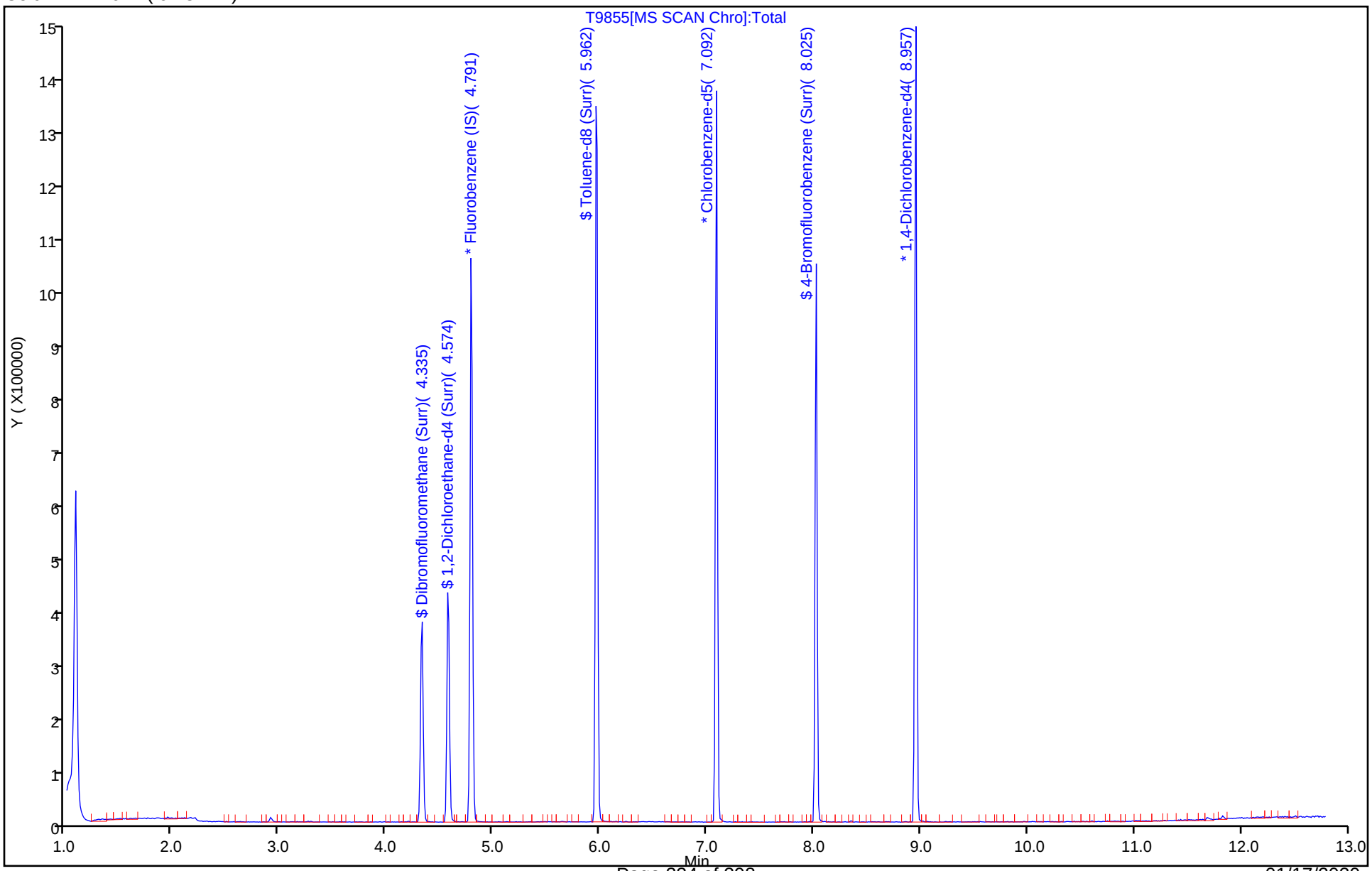
Report Date: 08-Jan-2020 12:01:29 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9855.D

Injection Date:	08-Jan-2020 11:15:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



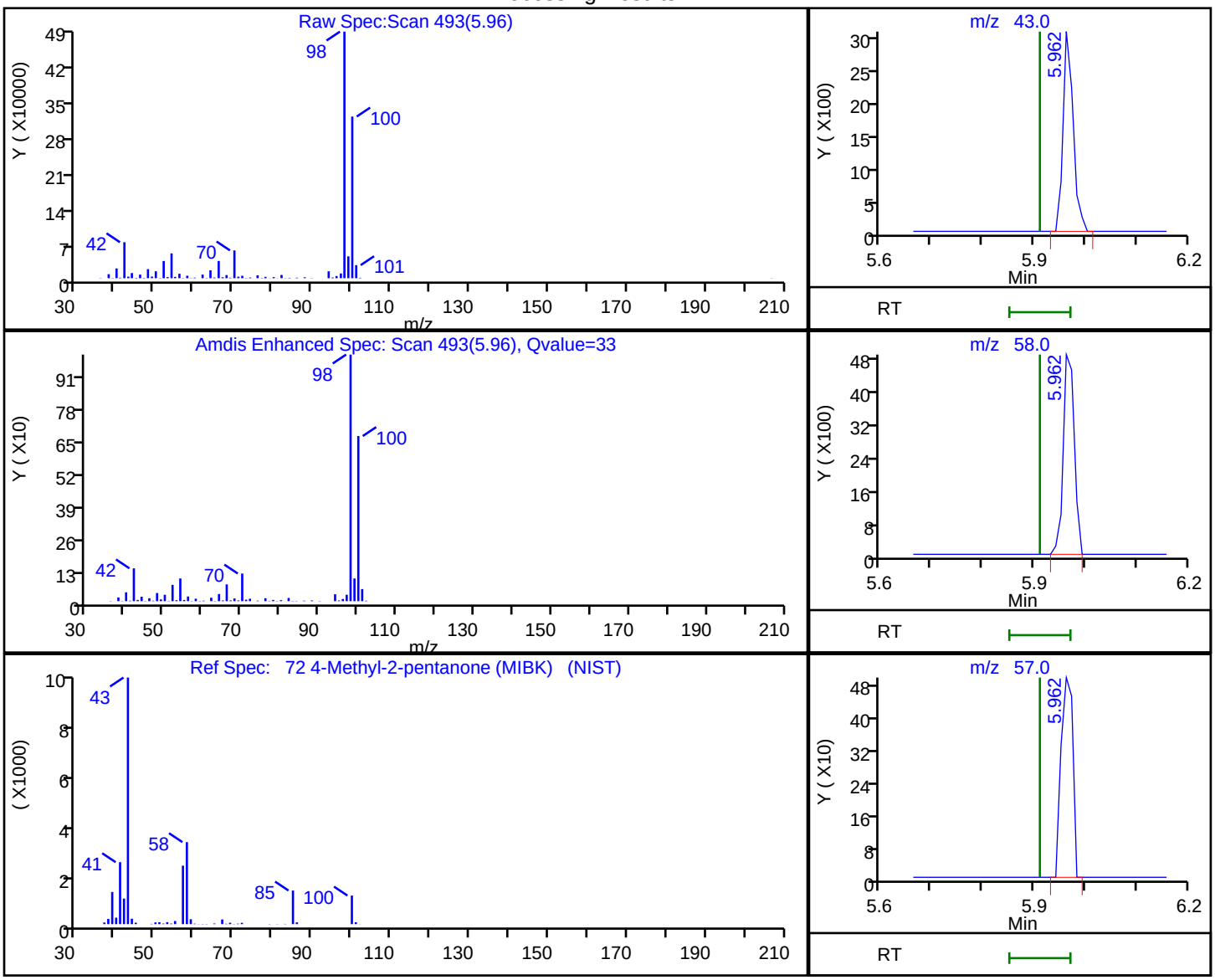
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9855.D
Injection Date: 08-Jan-2020 11:15:30 Instrument ID: HP5975T
Lims ID: MB
Client ID:
Operator ID: RF ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.96	43.00	4184	0.325293
5.96	58.00	7389	
5.96	57.00	791	

Reviewer: farrellr, 08-Jan-2020 11:31:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

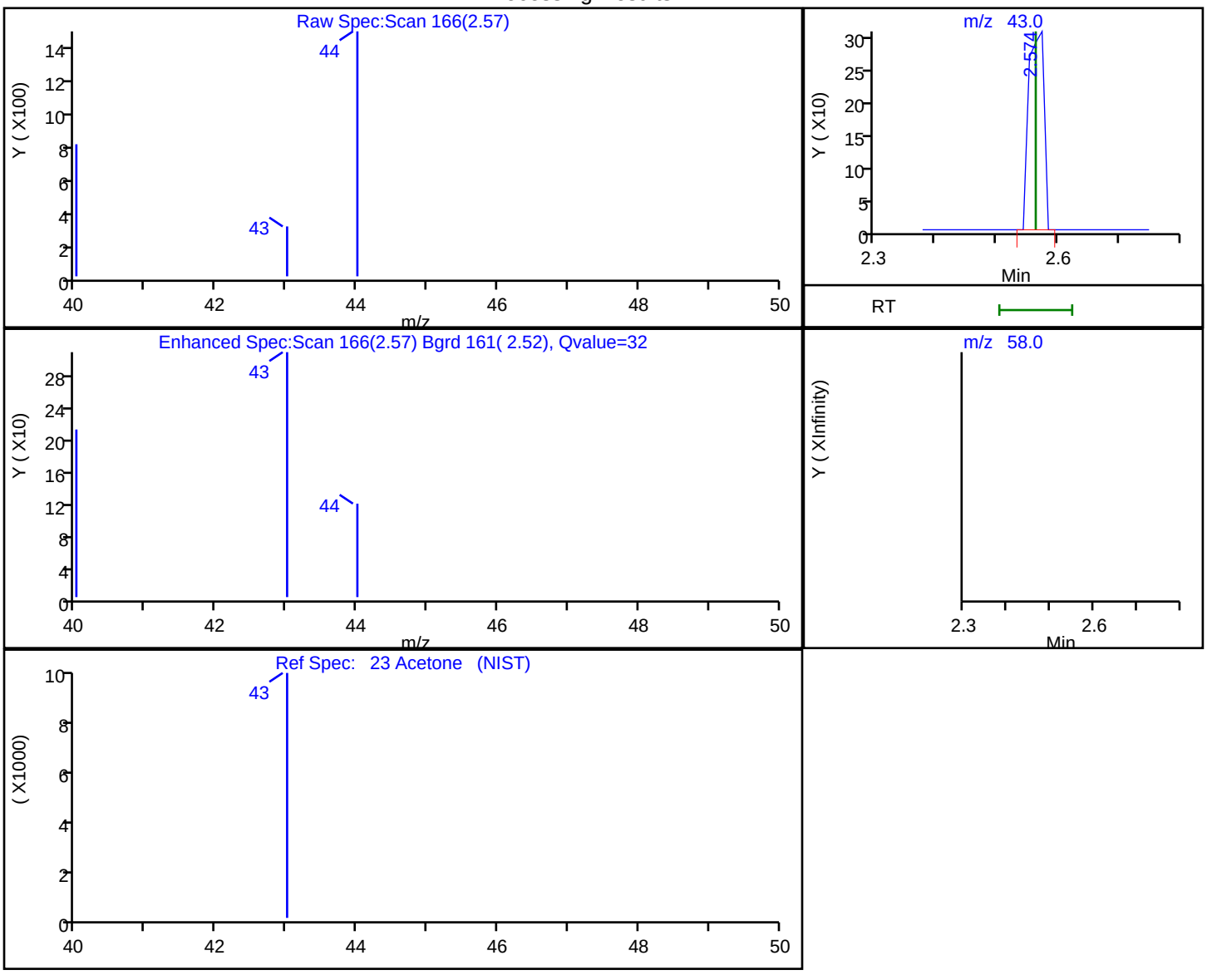
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9855.D
Injection Date: 08-Jan-2020 11:15:30 Instrument ID: HP5975T
Lims ID: MB
Client ID:
Operator ID: RF ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.57	43.00	532	0.130277
2.56	58.00	0	

Reviewer: farrellr, 08-Jan-2020 11:31:13
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-512458/5

Matrix: Water Lab File ID: S3701.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2020 09:20

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512458 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.1		1.0	0.21
79-00-5	1,1,2-Trichloroethane	27.0		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29.6		1.0	0.31
75-34-3	1,1-Dichloroethane	25.5		1.0	0.38
75-35-4	1,1-Dichloroethene	25.1		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.7		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		1.0	0.39
95-50-1	1,2-Dichlorobenzene	26.5		1.0	0.79
107-06-2	1,2-Dichloroethane	25.8		1.0	0.21
78-87-5	1,2-Dichloropropane	27.1		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.8		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.3		1.0	0.84
78-93-3	2-Butanone (MEK)	148		10	1.3
591-78-6	2-Hexanone	131		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	135		5.0	2.1
67-64-1	Acetone	151		10	3.0
71-43-2	Benzene	25.6		1.0	0.41
75-27-4	Bromodichloromethane	25.8		1.0	0.39
75-25-2	Bromoform	27.2		1.0	0.26
74-83-9	Bromomethane	24.7		1.0	0.69
75-15-0	Carbon disulfide	27.1		1.0	0.19
56-23-5	Carbon tetrachloride	25.3		1.0	0.27
108-90-7	Chlorobenzene	26.5		1.0	0.75
124-48-1	Dibromochloromethane	27.3		1.0	0.32
75-00-3	Chloroethane	24.5		1.0	0.32
67-66-3	Chloroform	23.9		1.0	0.34
74-87-3	Chloromethane	25.9		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.0		1.0	0.36
110-82-7	Cyclohexane	27.3		1.0	0.18
75-71-8	Dichlorodifluoromethane	24.5		1.0	0.68
100-41-4	Ethylbenzene	26.4		1.0	0.74
106-93-4	1,2-Dibromoethane	26.7		1.0	0.73
98-82-8	Isopropylbenzene	24.4		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-512458/5

Matrix: Water Lab File ID: S3701.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/06/2020 09:20

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512458 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	55.4		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.1		1.0	0.16
108-87-2	Methylcyclohexane	25.6		1.0	0.16
75-09-2	Methylene Chloride	26.5		1.0	0.44
100-42-5	Styrene	26.9		1.0	0.73
127-18-4	Tetrachloroethene	27.2		1.0	0.36
108-88-3	Toluene	25.7		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.1		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.5		1.0	0.37
79-01-6	Trichloroethene	24.8		1.0	0.46
75-69-4	Trichlorofluoromethane	29.4		1.0	0.88
75-01-4	Vinyl chloride	24.9		1.0	0.90
1330-20-7	Xylenes, Total	53.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3701.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Jan-2020 09:20:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0087323-005
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Jan-2020 09:39:16 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0305

First Level Reviewer: moffata Date: 06-Jan-2020 09:39:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.443	5.443	0.000	98	149320	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	90	311931	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.821	10.821	0.000	54	281495	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	53	184628	25.0	26.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	54	126163	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.952	6.952	0.001	91	750268	25.0	25.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	86	227983	25.0	28.0	
10 Dichlorodifluoromethane	85	1.264	1.257	0.007	88	233870	25.0	24.5	
12 Chloromethane	50	1.446	1.434	0.012	89	290109	25.0	25.9	
13 Vinyl chloride	62	1.537	1.531	0.006	72	228467	25.0	24.9	
151 Butadiene	54	1.543	1.543	0.000	91	285190	25.0	29.2	
14 Bromomethane	94	1.841	1.829	0.012	91	144661	25.0	24.7	
15 Chloroethane	64	1.933	1.927	0.006	94	149283	25.0	24.5	
17 Trichlorofluoromethane	101	2.158	2.146	0.012	79	331362	25.0	29.4	
16 Dichlorofluoromethane	67	2.152	2.146	0.006	78	326123	25.0	24.4	
18 Ethyl ether	59	2.432	2.432	0.000	96	203189	25.0	27.1	
20 Acrolein	56	2.620	2.620	0.000	98	242946	125.0	105.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.651	2.657	-0.006	58	186705	25.0	29.6	
22 1,1-Dichloroethene	96	2.657	2.657	0.000	84	172684	25.0	25.1	
23 Acetone	43	2.778	2.778	0.000	96	544141	125.0	151.2	
25 Iodomethane	142	2.815	2.815	0.000	99	306338	25.0	26.4	
26 Carbon disulfide	76	2.851	2.851	0.000	99	612807	25.0	27.1	
28 3-Chloro-1-propene	41	3.034	3.034	0.000	87	373028	25.0	25.1	
27 Methyl acetate	43	3.076	3.076	0.000	96	495946	50.0	55.4	
30 Methylene Chloride	84	3.180	3.180	0.000	94	213794	25.0	26.5	
31 2-Methyl-2-propanol	59	3.350	3.350	0.000	98	337998	250.0	326.8	
32 Methyl tert-butyl ether	73	3.387	3.387	0.000	93	540573	25.0	23.1	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	92	200379	25.0	26.1	
33 Acrylonitrile	53	3.472	3.466	0.006	97	1274602	250.0	304.3	
35 Hexane	57	3.600	3.593	0.007	91	363421	25.0	26.0	
39 1,1-Dichloroethane	63	3.831	3.831	0.000	85	388280	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.886	3.886	0.000	97	1317963	50.0	58.7	
44 2,2-Dichloropropane	77	4.348	4.354	-0.006	92	204378	25.0	27.0	
45 cis-1,2-Dichloroethene	96	4.391	4.384	0.006	69	218926	25.0	25.5	
43 2-Butanone (MEK)	43	4.427	4.421	0.006	93	815539	125.0	148.3	
48 Chlorobromomethane	128	4.622	4.622	0.000	88	107966	25.0	25.4	
49 Tetrahydrofuran	42	4.640	4.634	0.006	86	210470	50.0	57.4	
50 Chloroform	83	4.701	4.701	0.000	70	367087	25.0	23.9	
52 Cyclohexane	56	4.816	4.816	0.000	93	436194	25.0	27.3	
51 1,1,1-Trichloroethane	97	4.810	4.816	-0.006	84	312558	25.0	26.0	
55 Carbon tetrachloride	117	4.944	4.944	0.000	80	263009	25.0	25.3	
54 1,1-Dichloropropene	75	4.962	4.962	0.000	90	289037	25.0	26.6	
57 Benzene	78	5.169	5.169	0.000	96	822330	25.0	25.6	
53 Isobutyl alcohol	43	5.194	5.193	0.001	93	364123	625.0	760.6	
58 1,2-Dichloroethane	62	5.242	5.242	0.000	73	344952	25.0	25.8	
59 n-Heptane	43	5.340	5.346	-0.006	94	383985	25.0	22.7	
62 Trichloroethene	95	5.778	5.777	0.001	90	205946	25.0	24.8	
64 Methylcyclohexane	83	5.893	5.893	0.000	96	358390	25.0	25.6	
65 1,2-Dichloropropane	63	6.021	6.021	0.000	90	230062	25.0	27.1	
67 Dibromomethane	93	6.161	6.167	-0.006	88	135227	25.0	25.3	
66 1,4-Dioxane	88	6.161	6.161	-0.006	33	59083	500.0	588.6	M
68 Dichlorobromomethane	83	6.319	6.319	0.000	89	276933	25.0	25.8	
69 2-Chloroethyl vinyl ether	63	6.599	6.593	0.006	89	167866	25.0	28.0	
72 cis-1,3-Dichloropropene	75	6.733	6.733	0.000	85	346699	25.0	26.0	
73 4-Methyl-2-pentanone (MIBK	43	6.879	6.879	0.000	98	1623404	125.0	134.6	
74 Toluene	92	7.019	7.019	0.000	93	524407	25.0	25.7	
77 trans-1,3-Dichloropropene	75	7.305	7.305	0.001	93	337220	25.0	26.5	
75 Ethyl methacrylate	69	7.347	7.347	0.000	74	305037	25.0	26.6	
79 1,1,2-Trichloroethane	83	7.493	7.493	0.000	89	167990	25.0	27.0	
81 Tetrachloroethene	166	7.548	7.548	0.000	79	221789	25.0	27.2	
82 1,3-Dichloropropane	76	7.657	7.658	0.000	93	368355	25.0	27.7	
80 2-Hexanone	43	7.718	7.718	0.000	96	1142581	125.0	130.9	
83 Chlorodibromomethane	129	7.889	7.889	0.001	87	205251	25.0	27.3	
84 Ethylene Dibromide	107	7.992	7.992	0.000	96	209237	25.0	26.7	
87 Chlorobenzene	112	8.467	8.467	0.000	90	580234	25.0	26.5	
88 Ethylbenzene	91	8.558	8.558	0.000	98	997391	25.0	26.4	
89 1,1,1,2-Tetrachloroethane	131	8.564	8.570	-0.006	43	206854	25.0	26.9	
90 m-Xylene & p-Xylene	106	8.679	8.680	0.000	99	393961	25.0	27.0	
91 o-Xylene	106	9.105	9.105	0.000	98	385893	25.0	26.4	
92 Styrene	104	9.136	9.136	0.000	94	643244	25.0	26.9	
95 Bromoform	173	9.391	9.391	0.000	94	136044	25.0	27.2	
94 Isopropylbenzene	105	9.489	9.489	0.001	97	989334	25.0	24.4	
101 Bromobenzene	156	9.835	9.835	0.000	97	245118	25.0	25.5	
97 1,1,2,2-Tetrachloroethane	83	9.896	9.902	-0.006	82	276717	25.0	23.1	
99 N-Propylbenzene	91	9.914	9.915	0.000	99	1189098	25.0	24.1	
100 1,2,3-Trichloropropane	110	9.927	9.933	-0.006	55	101119	25.0	26.0	
98 trans-1,4-Dichloro-2-buten	53	9.945	9.945	0.000	76	59224	25.0	12.8	
103 2-Chlorotoluene	126	10.018	10.018	0.000	95	235825	25.0	25.2	
102 1,3,5-Trimethylbenzene	105	10.091	10.097	-0.006	92	823880	25.0	24.2	
105 4-Chlorotoluene	126	10.133	10.134	0.000	97	243821	25.0	25.6	
106 tert-Butylbenzene	134	10.413	10.407	0.006	92	184240	25.0	24.9	
107 1,2,4-Trimethylbenzene	105	10.468	10.468	0.000	44	855539	25.0	24.4	
109 sec-Butylbenzene	105	10.620	10.620	0.000	95	1035055	25.0	24.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	10.760	10.760	0.000	96	892440	25.0	24.7	
111 1,3-Dichlorobenzene	146	10.760	10.760	0.000	72	475246	25.0	25.8	
113 1,4-Dichlorobenzene	146	10.845	10.845	0.000	92	492495	25.0	26.3	
115 n-Butylbenzene	91	11.143	11.150	-0.006	96	818461	25.0	24.0	
116 1,2-Dichlorobenzene	146	11.198	11.198	0.000	90	472127	25.0	26.5	
117 1,2-Dibromo-3-Chloropropan	75	11.934	11.928	0.006	79	51536	25.0	18.7	
119 1,2,4-Trichlorobenzene	180	12.597	12.597	0.000	93	286925	25.0	23.7	
120 Hexachlorobutadiene	225	12.707	12.707	0.000	93	126040	25.0	23.5	
121 Naphthalene	128	12.816	12.816	0.000	97	736963	25.0	20.1	
122 1,2,3-Trichlorobenzene	180	13.011	13.017	-0.006	94	257839	25.0	23.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00174	Amount Added:	12.50	Units: uL	
GAS CORP mix_00377	Amount Added:	12.50	Units: uL	
S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

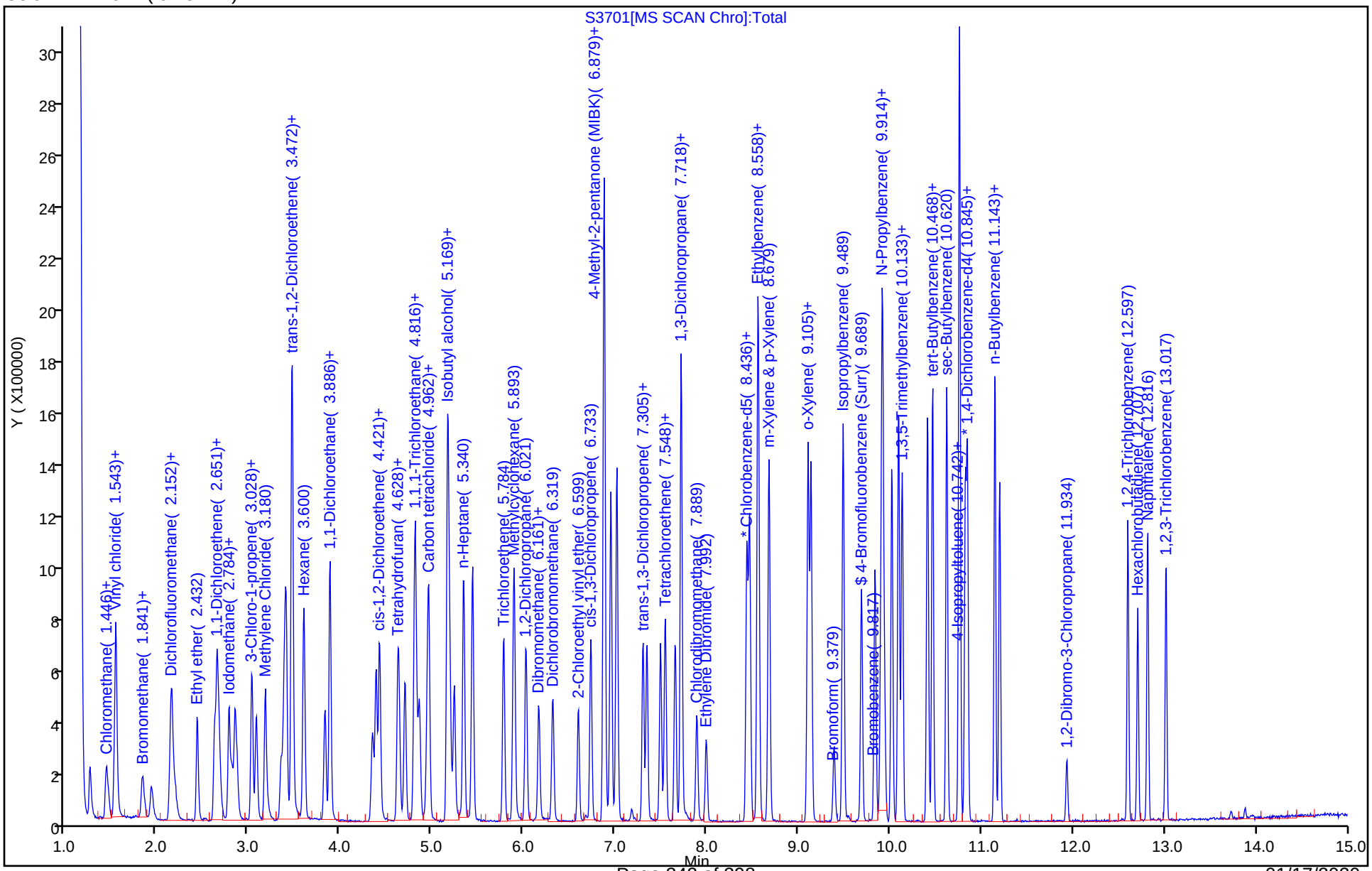
Report Date: 06-Jan-2020 09:39:17 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200106-87323.b\S3701.D

Injection Date:	06-Jan-2020 09:20:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-512586/5

Matrix: Water Lab File ID: S3722.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/07/2020 10:16

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512586 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.8		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.7		1.0	0.21
79-00-5	1,1,2-Trichloroethane	27.4		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28.8		1.0	0.31
75-34-3	1,1-Dichloroethane	26.0		1.0	0.38
75-35-4	1,1-Dichloroethene	24.5		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	20.3		1.0	0.39
95-50-1	1,2-Dichlorobenzene	26.8		1.0	0.79
107-06-2	1,2-Dichloroethane	26.1		1.0	0.21
78-87-5	1,2-Dichloropropane	27.1		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.8		1.0	0.84
78-93-3	2-Butanone (MEK)	156		10	1.3
591-78-6	2-Hexanone	146		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	148		5.0	2.1
67-64-1	Acetone	158		10	3.0
71-43-2	Benzene	26.2		1.0	0.41
75-27-4	Bromodichloromethane	27.2		1.0	0.39
75-25-2	Bromoform	30.4		1.0	0.26
74-83-9	Bromomethane	24.6		1.0	0.69
75-15-0	Carbon disulfide	26.4		1.0	0.19
56-23-5	Carbon tetrachloride	26.7		1.0	0.27
108-90-7	Chlorobenzene	27.5		1.0	0.75
124-48-1	Dibromochloromethane	28.7		1.0	0.32
75-00-3	Chloroethane	24.5		1.0	0.32
67-66-3	Chloroform	24.4		1.0	0.34
74-87-3	Chloromethane	26.9		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.5		1.0	0.36
110-82-7	Cyclohexane	27.0		1.0	0.18
75-71-8	Dichlorodifluoromethane	26.5		1.0	0.68
100-41-4	Ethylbenzene	27.6		1.0	0.74
106-93-4	1,2-Dibromoethane	28.4		1.0	0.73
98-82-8	Isopropylbenzene	25.2		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-512586/5

Matrix: Water Lab File ID: S3722.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/07/2020 10:16

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512586 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	58.1		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.9		1.0	0.16
108-87-2	Methylcyclohexane	26.4		1.0	0.16
75-09-2	Methylene Chloride	27.1		1.0	0.44
100-42-5	Styrene	27.2		1.0	0.73
127-18-4	Tetrachloroethene	28.5		1.0	0.36
108-88-3	Toluene	27.4		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.8		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	28.1		1.0	0.37
79-01-6	Trichloroethene	26.3		1.0	0.46
75-69-4	Trichlorofluoromethane	28.3		1.0	0.88
75-01-4	Vinyl chloride	25.8		1.0	0.90
1330-20-7	Xylenes, Total	53.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	116		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3722.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 07-Jan-2020 10:16:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0087345-005
Operator ID: CL Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Jan-2020 11:59:18 Calib Date: 18-Nov-2019 18:54:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20191118-86222.b\S2516.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 07-Jan-2020 12:01:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.437	5.443	-0.006	98	158893	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.436	8.436	0.000	87	322703	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.827	10.827	0.000	94	292797	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	58	191817	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.169	5.169	0.000	52	139223	25.0	26.4	
$ 5 Toluene-d8 (Surr)	98	6.952	6.951	0.001	89	775546	25.0	25.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.689	9.689	0.000	86	244314	25.0	29.0	
10 Dichlorodifluoromethane	85	1.264	1.263	0.001	88	269109	25.0	26.5	
12 Chloromethane	50	1.440	1.440	0.000	88	320612	25.0	26.9	
13 Vinyl chloride	62	1.537	1.537	0.006	81	251559	25.0	25.8	
151 Butadiene	54	1.549	1.543	0.006	90	292166	25.0	28.1	
14 Bromomethane	94	1.835	1.835	0.000	91	153482	25.0	24.6	
15 Chloroethane	64	1.939	1.926	0.013	93	158623	25.0	24.5	
16 Dichlorofluoromethane	67	2.152	2.145	0.007	79	333983	25.0	23.5	
17 Trichlorofluoromethane	101	2.152	2.152	0.000	72	339899	25.0	28.3	
18 Ethyl ether	59	2.438	2.431	0.007	92	229170	25.0	28.8	
20 Acrolein	56	2.620	2.620	0.000	96	241094	125.0	98.7	
21 1,1,2-Trichloro-1,2,2-trif	101	2.657	2.650	0.007	60	193420	25.0	28.8	
22 1,1-Dichloroethene	96	2.651	2.650	0.001	85	179360	25.0	24.5	
23 Acetone	43	2.778	2.778	0.000	98	605774	125.0	158.2	
25 Iodomethane	142	2.815	2.809	0.006	99	322856	25.0	26.1	
26 Carbon disulfide	76	2.851	2.845	0.006	98	635983	25.0	26.4	
28 3-Chloro-1-propene	41	3.028	3.028	0.000	87	404863	25.0	25.6	
27 Methyl acetate	43	3.076	3.089	0.000	96	553121	50.0	58.1	
30 Methylene Chloride	84	3.180	3.174	0.006	90	232926	25.0	27.1	
31 2-Methyl-2-propanol	59	3.350	3.356	-0.006	96	368304	250.0	334.6	
32 Methyl tert-butyl ether	73	3.387	3.386	0.001	99	595278	25.0	23.9	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	90	219402	25.0	26.8	
33 Acrylonitrile	53	3.472	3.466	0.006	97	1446576	250.0	324.5	
35 Hexane	57	3.600	3.599	0.001	92	384368	25.0	25.9	
39 1,1-Dichloroethane	63	3.831	3.825	0.007	86	420244	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.886	3.885	0.001	97	1443315	50.0	60.4	
44 2,2-Dichloropropane	77	4.348	4.348	0.000	89	214667	25.0	26.6	
45 cis-1,2-Dichloroethene	96	4.390	4.384	0.006	70	236716	25.0	25.9	
43 2-Butanone (MEK)	43	4.427	4.427	0.000	98	912586	125.0	156.0	
48 Chlorobromomethane	128	4.622	4.621	0.001	90	115487	25.0	25.5	
49 Tetrahydrofuran	42	4.640	4.640	0.000	87	239708	50.0	61.5	
50 Chloroform	83	4.701	4.701	0.000	80	398457	25.0	24.4	
52 Cyclohexane	56	4.816	4.810	0.006	92	459445	25.0	27.0	
51 1,1,1-Trichloroethane	97	4.810	4.810	0.000	88	342487	25.0	26.8	
55 Carbon tetrachloride	117	4.944	4.938	-0.006	82	294838	25.0	26.7	
54 1,1-Dichloropropene	75	4.962	4.962	0.000	91	316573	25.0	27.4	
57 Benzene	78	5.169	5.169	0.000	96	894570	25.0	26.2	
53 Isobutyl alcohol	43	5.194	5.193	0.001	92	407834	625.0	800.6	
58 1,2-Dichloroethane	62	5.242	5.242	0.000	73	372146	25.0	26.1	
59 n-Heptane	43	5.346	5.345	0.001	96	433978	25.0	24.1	
62 Trichloroethene	95	5.784	5.783	0.001	92	232094	25.0	26.3	
64 Methylcyclohexane	83	5.893	5.893	0.000	95	392943	25.0	26.4	
65 1,2-Dichloropropane	63	6.027	6.021	0.006	90	244232	25.0	27.1	
67 Dibromomethane	93	6.167	6.161	0.006	87	151471	25.0	26.7	
66 1,4-Dioxane	88	6.167	6.173	0.000	36	73559	500.0	708.4	M
68 Dichlorobromomethane	83	6.319	6.319	0.000	92	310843	25.0	27.2	
69 2-Chloroethyl vinyl ether	63	6.599	6.599	0.000	90	192335	25.0	30.2	
72 cis-1,3-Dichloropropene	75	6.733	6.732	0.001	88	376297	25.0	26.5	
73 4-Methyl-2-pentanone (MIBK	43	6.879	6.878	0.001	98	1844489	125.0	147.8	
74 Toluene	92	7.019	7.018	0.001	87	579038	25.0	27.4	
77 trans-1,3-Dichloropropene	75	7.305	7.304	0.001	93	370702	25.0	28.1	
75 Ethyl methacrylate	69	7.347	7.347	0.000	87	341476	25.0	28.7	
79 1,1,2-Trichloroethane	83	7.493	7.493	0.000	89	176382	25.0	27.4	
81 Tetrachloroethene	166	7.548	7.548	0.000	68	239814	25.0	28.5	
82 1,3-Dichloropropane	76	7.657	7.651	0.006	95	392659	25.0	28.6	
80 2-Hexanone	43	7.718	7.718	0.000	96	1314594	125.0	145.6	
83 Chlorodibromomethane	129	7.895	7.888	0.007	87	223156	25.0	28.7	
84 Ethylene Dibromide	107	7.992	7.998	-0.006	96	230377	25.0	28.4	
87 Chlorobenzene	112	8.466	8.466	0.000	91	622973	25.0	27.5	
88 Ethylbenzene	91	8.558	8.558	0.000	98	1080690	25.0	27.6	
89 1,1,1,2-Tetrachloroethane	131	8.564	8.564	0.000	42	222592	25.0	28.0	
90 m-Xylene & p-Xylene	106	8.679	8.679	0.000	98	414718	25.0	27.4	
91 o-Xylene	106	9.105	9.105	0.000	98	399432	25.0	26.4	
92 Styrene	104	9.136	9.135	0.001	94	671654	25.0	27.2	
95 Bromoform	173	9.385	9.391	-0.006	93	157374	25.0	30.4	
94 Isopropylbenzene	105	9.489	9.488	0.001	96	1061406	25.0	25.2	
101 Bromobenzene	156	9.841	9.835	0.006	96	259413	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	9.896	9.896	0.000	83	306851	25.0	24.7	
99 N-Propylbenzene	91	9.914	9.914	0.000	98	1270325	25.0	24.8	
100 1,2,3-Trichloropropane	110	9.927	9.932	-0.005	52	101018	25.0	24.9	
98 trans-1,4-Dichloro-2-buten	53	9.945	9.945	0.000	79	104053	25.0	21.6	
103 2-Chlorotoluene	126	10.018	10.018	0.000	93	235598	25.0	24.2	
102 1,3,5-Trimethylbenzene	105	10.097	10.097	0.000	93	902881	25.0	25.4	
105 4-Chlorotoluene	126	10.133	10.133	0.000	90	260631	25.0	26.3	
106 tert-Butylbenzene	134	10.413	10.413	0.000	91	194278	25.0	25.2	
107 1,2,4-Trimethylbenzene	105	10.462	10.462	0.000	47	896095	25.0	24.6	
109 sec-Butylbenzene	105	10.620	10.620	0.000	95	1118103	25.0	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.760	10.760	0.000	74	506459	25.0	26.4	
110 4-Isopropyltoluene	119	10.760	10.760	0.000	94	936875	25.0	24.9	
113 1,4-Dichlorobenzene	146	10.845	10.845	0.000	91	520656	25.0	26.8	
115 n-Butylbenzene	91	11.143	11.143	0.000	95	858942	25.0	24.2	
116 1,2-Dichlorobenzene	146	11.198	11.198	0.000	91	495828	25.0	26.8	
117 1,2-Dibromo-3-Chloropropan	75	11.934	11.934	0.000	77	58167	25.0	20.3	
119 1,2,4-Trichlorobenzene	180	12.597	12.597	0.000	88	299585	25.0	23.8	
120 Hexachlorobutadiene	225	12.707	12.707	0.000	92	129318	25.0	23.2	
121 Naphthalene	128	12.816	12.816	0.000	97	776913	25.0	20.4	
122 1,2,3-Trichlorobenzene	180	13.017	13.017	0.000	94	251650	25.0	21.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00176	Amount Added:	12.50	Units: uL	
GAS CORP mix_00378	Amount Added:	12.50	Units: uL	
S_8260_IS_00330	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00343	Amount Added:	1.00	Units: uL	Run Reagent

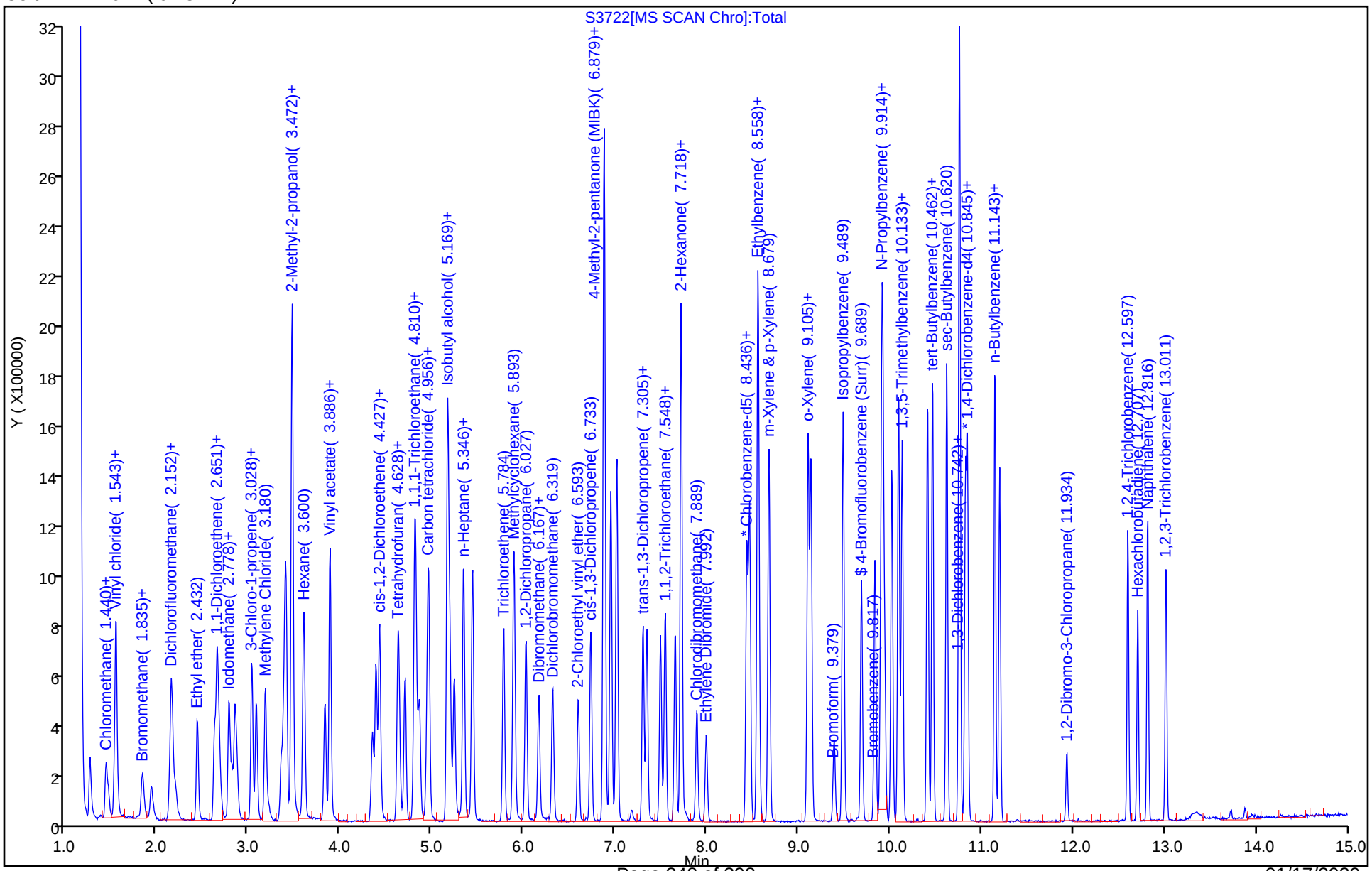
Report Date: 07-Jan-2020 12:01:17 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20200107-87345.b\S3722.D

Injection Date:	07-Jan-2020 10:16:30	Instrument ID:	HP5973S	Operator ID:	CL
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-512748/5

Matrix: Water Lab File ID: T9852.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/08/2020 10:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512748 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.6		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.5		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.4		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.0		1.0	0.31
75-34-3	1,1-Dichloroethane	26.8		1.0	0.38
75-35-4	1,1-Dichloroethene	23.9		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.3		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.3		1.0	0.39
95-50-1	1,2-Dichlorobenzene	26.8		1.0	0.79
107-06-2	1,2-Dichloroethane	26.0		1.0	0.21
78-87-5	1,2-Dichloropropane	26.7		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.5		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.5		1.0	0.84
78-93-3	2-Butanone (MEK)	230		10	1.3
591-78-6	2-Hexanone	128		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	126		5.0	2.1
67-64-1	Acetone	139		10	3.0
71-43-2	Benzene	25.2		1.0	0.41
75-27-4	Bromodichloromethane	27.2		1.0	0.39
75-25-2	Bromoform	24.3		1.0	0.26
74-83-9	Bromomethane	24.4		1.0	0.69
75-15-0	Carbon disulfide	24.7		1.0	0.19
56-23-5	Carbon tetrachloride	24.5		1.0	0.27
108-90-7	Chlorobenzene	25.8		1.0	0.75
124-48-1	Dibromochloromethane	26.8		1.0	0.32
75-00-3	Chloroethane	24.5		1.0	0.32
67-66-3	Chloroform	24.8		1.0	0.34
74-87-3	Chloromethane	24.9		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.6		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.8		1.0	0.36
110-82-7	Cyclohexane	26.0		1.0	0.18
75-71-8	Dichlorodifluoromethane	26.3		1.0	0.68
100-41-4	Ethylbenzene	25.5		1.0	0.74
106-93-4	1,2-Dibromoethane	25.9		1.0	0.73
98-82-8	Isopropylbenzene	26.8		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-512748/5

Matrix: Water Lab File ID: T9852.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/08/2020 10:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512748 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	49.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.6		1.0	0.16
108-87-2	Methylcyclohexane	26.7		1.0	0.16
75-09-2	Methylene Chloride	24.7		1.0	0.44
100-42-5	Styrene	25.4		1.0	0.73
127-18-4	Tetrachloroethene	27.8		1.0	0.36
108-88-3	Toluene	25.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.8		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.3		1.0	0.37
79-01-6	Trichloroethene	25.9		1.0	0.46
75-69-4	Trichlorofluoromethane	26.7		1.0	0.88
75-01-4	Vinyl chloride	25.7		1.0	0.90
1330-20-7	Xylenes, Total	51.0		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9852.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 08-Jan-2020 10:03:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: lcs
Misc. Info.: 480-0087375-005
Operator ID: RF Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2020 10:21:13 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0336

First Level Reviewer: farrellr Date: 08-Jan-2020 10:21:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.802	4.791	0.011	99	155381	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	85	586336	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.957	8.957	0.000	70	317761	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.336	4.345	0.001	93	204336	25.0	26.4	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.584	4.584	0.000	0	254853	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	5.973	5.973	0.000	94	762986	25.0	24.5	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	229211	25.0	24.5	
11 Dichlorodifluoromethane	85	1.206	1.206	0.000	99	254571	25.0	26.3	
12 Chlorodifluoromethane	51	1.227	1.216	0.011	97	292837	25.0	23.5	
13 Chloromethane	50	1.372	1.371	0.001	99	342752	25.0	24.9	
151 Butadiene	54	1.444	1.447	0.000	93	296749	25.0	27.0	
14 Vinyl chloride	62	1.455	1.454	0.001	98	295507	25.0	25.7	
15 Bromomethane	94	1.714	1.713	0.001	90	158648	25.0	24.4	
16 Chloroethane	64	1.776	1.776	0.000	99	160419	25.0	24.5	
18 Dichlorofluoromethane	67	2.004	1.993	0.011	96	377145	25.0	25.3	
17 Trichlorofluoromethane	101	1.993	1.993	0.000	59	323988	25.0	26.7	
19 Ethyl ether	59	2.253	2.242	0.011	96	202417	25.0	22.9	
148 Ethanol	45	2.253	2.253	-0.020	0	339662	1000.0	2991.1	a
84 Propene oxide	58		2.325				ND	ND	
21 Acrolein	56	2.418	2.418	0.000	99	245219	125.0	108.8	
22 1,1-Dichloroethene	96	2.449	2.449	0.000	94	177935	25.0	23.9	
20 1,1,2-Trichloro-1,2,2-trif	101	2.460	2.449	0.011	58	185156	25.0	26.0	
23 Acetone	43	2.574	2.563	0.011	99	572298	125.0	138.9	
24 Iodomethane	142	2.605	2.605	0.000	100	341315	25.0	25.3	
25 Carbon disulfide	76	2.636	2.625	0.011	100	610704	25.0	24.7	
26 Isopropyl alcohol	45	2.750	2.729	0.021	98	256277	250.0	219.6	
27 3-Chloro-1-propene	41	2.791	2.791	0.000	89	373616	25.0	24.8	
28 Methyl acetate	43	2.833	2.833	0.000	99	487344	50.0	49.6	
29 Acetonitrile	40	2.854	2.854	0.011	98	223234	250.0	217.1	a
30 Methylene Chloride	84	2.926	2.926	0.000	99	215287	25.0	24.7	
31 2-Methyl-2-propanol	59	3.092	3.092	0.000	99	416454	250.0	230.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73	3.113	3.112	0.001	98	596926	25.0	24.6	
32 trans-1,2-Dichloroethene	96	3.123	3.123	0.000	95	206303	25.0	25.8	
34 Acrylonitrile	53	3.175	3.175	0.000	98	1190288	250.0	248.2	
35 Hexane	57	3.278	3.278	0.000	93	357881	25.0	24.4	
36 1,1-Dichloroethane	63	3.486	3.486	0.000	97	392608	25.0	26.8	
37 Isopropyl ether	45	3.496	3.496	0.010	86	798554	25.0	24.7	a
39 Vinyl acetate	43	3.527	3.517	0.010	97	1618615	50.0	74.9	
139 Halothane	117	3.527	3.517	0.010	56	148969	25.0	24.0	
38 2-Chloro-1,3-butadiene	53	3.527	3.527	0.000	94	387532	25.0	26.3	
40 1,1-Dimethoxyethane	75	3.558	3.548	0.010	95	290008	125.0	109.3	
41 Tert-butyl ethyl ether	59	3.776	3.776	0.000	99	714721	25.0	23.7	
42 2,2-Dichloropropane	77	3.921	3.921	0.000	92	289761	25.0	25.6	
43 cis-1,2-Dichloroethene	96	3.952	3.952	0.000	83	218576	25.0	25.6	
44 2-Butanone (MEK)	43	3.983	3.983	0.010	100	1420528	125.0	229.6	a
45 Ethyl acetate	43	3.983	3.993	-0.010	95	1423838	50.0	114.3	
46 Propionitrile	54	4.066	4.066	0.000	99	511090	250.0	243.4	
47 Chlorobromomethane	128	4.149	4.149	0.000	97	121498	25.0	25.8	
48 Tetrahydrofuran	42	4.149	4.149	0.000	31	287599	50.0	59.6	
49 Methacrylonitrile	41	4.149	4.149	0.000	95	2088025	250.0	265.6	
50 Chloroform	83	4.211	4.211	0.000	94	343244	25.0	24.8	
51 1,1,1-Trichloroethane	97	4.304	4.304	0.000	98	294897	25.0	25.6	
52 Cyclohexane	56	4.304	4.304	0.000	93	434566	25.0	26.0	
53 Carbon tetrachloride	117	4.408	4.408	0.000	97	243144	25.0	24.5	
54 1,1-Dichloropropene	75	4.418	4.418	0.000	94	280220	25.0	27.0	
152 Isooctane	57	4.574	4.584	0.000	96	813421	25.0	24.8	
55 Benzene	78	4.584	4.584	0.000	96	754457	25.0	25.2	
56 Isobutyl alcohol	43	4.595	4.594	0.001	95	540272	625.0	755.8	
57 1,2-Dichloroethane	62	4.636	4.636	0.000	97	315933	25.0	26.0	
58 Tert-amyl methyl ether	73	4.646	4.646	0.010	94	803917	25.0	23.9	a
147 t-Amyl alcohol	59	4.646	4.657	0.000	95	377009	250.0	231.5	
59 n-Heptane	43	4.719	4.719	0.000	96	410720	25.0	25.9	
1 1,4-Difluorobenzene	114	4.885	4.885	0.000	95	628947	25.0	26.6	
141 2,4,4-Trimethyl-1-pentene	55	4.978	4.968	0.010	99	165919	NC	NC	
60 Trichloroethene	95	5.061	5.061	0.000	96	205196	25.0	25.9	
61 n-Butanol	56	5.082	5.082	0.000	91	221840	625.0	487.8	
142 Ethyl acrylate	55	5.154	5.154	0.000	95	1091301	25.0	34.1	a
140 2,4,4-Trimethyl-2-pentene	97	5.154	5.154	0.000	87	417978	NC	NC	
62 Methylcyclohexane	83	5.165	5.165	0.001	72	371054	25.0	26.7	a
63 1,2-Dichloropropane	63	5.258	5.258	0.000	94	223108	25.0	26.7	
64 Methyl methacrylate	41	5.320	5.320	0.000	95	547737	50.0	49.7	
65 Dibromomethane	93	5.361	5.361	0.000	96	134680	25.0	26.2	
66 1,4-Dioxane	88	5.361	5.361	0.000	49	69041	500.0	499.1	
67 Dichlorobromomethane	83	5.486	5.486	0.000	98	244749	25.0	27.2	
68 2-Nitropropane	43	5.683	5.672	0.011	86	187529	50.0	73.2	
69 2-Chloroethyl vinyl ether	63	5.693	5.693	0.000	91	167519	25.0	27.2	
70 Epichlorohydrin	57	5.766	5.766	0.000	100	351433	250.0	246.6	
71 cis-1,3-Dichloropropene	75	5.797	5.797	0.001	93	324452	25.0	26.8	
72 4-Methyl-2-pentanone (MIBK	43	5.911	5.911	0.001	97	1630744	125.0	125.8	
73 Toluene	92	6.014	6.014	0.000	98	502268	25.0	25.2	
75 trans-1,3-Dichloropropene	75	6.232	6.232	0.000	96	298298	25.0	25.3	
77 Ethyl methacrylate	69	6.253	6.253	0.001	93	287530	25.0	24.4	
78 1,1,2-Trichloroethane	83	6.377	6.377	0.000	91	158436	25.0	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
79 Tetrachloroethene	166	6.418	6.418	0.000	95	225439	25.0	27.8	
80 1,3-Dichloropropane	76	6.501	6.501	0.000	96	326694	25.0	24.8	
81 2-Hexanone	43	6.543	6.543	0.000	98	1205727	125.0	128.5	
155 n-Butyl acetate	43	6.615	6.616	0.000	100	462525	25.0	25.9	
82 Chlorodibromomethane	129	6.678	6.678	0.001	90	188913	25.0	26.8	
83 Ethylene Dibromide	107	6.760	6.760	0.000	97	203697	25.0	25.9	
146 1-Chlorohexane	55	7.061	7.061	0.000	92	250655	25.0	26.2	
85 3-Chlorobenzotrifluoride	180	7.082	7.082	0.000	93	325176	25.0	27.9	
86 Chlorobenzene	112	7.113	7.113	0.000	95	583887	25.0	25.8	
87 4-Chlorobenzotrifluoride	180	7.123	7.123	0.000	95	301801	25.0	27.5	
88 Ethylbenzene	91	7.175	7.175	0.000	98	941968	25.0	25.5	
89 1,1,1,2-Tetrachloroethane	131	7.185	7.185	0.000	94	189439	25.0	25.7	
90 m-Xylene & p-Xylene	106	7.268	7.268	0.000	0	379780	25.0	25.4	
91 o-Xylene	106	7.579	7.590	-0.010	98	370871	25.0	25.6	
92 Styrene	104	7.610	7.610	0.000	95	616046	25.0	25.4	
93 Bromoform	173	7.797	7.797	0.000	95	110483	25.0	24.3	
94 2-Chlorobenzotrifluoride	180	7.807	7.807	0.000	96	309297	25.0	25.8	
95 Isopropylbenzene	105	7.869	7.869	0.000	96	968873	25.0	26.8	
96 Cyclohexanone	55	8.014	8.015	0.000	95	137752	250.0	226.6	
97 Bromobenzene	156	8.149	8.149	0.000	94	238270	25.0	25.9	
98 1,1,2,2-Tetrachloroethane	83	8.180	8.180	0.000	96	283629	25.0	26.5	
99 N-Propylbenzene	91	8.201	8.201	0.000	98	1147462	25.0	26.8	
100 1,2,3-Trichloropropane	110	8.211	8.211	0.000	89	94969	25.0	25.7	
101 trans-1,4-Dichloro-2-buten	53	8.211	8.211	0.000	78	87921	25.0	25.5	
105 2-Chlorotoluene	126	8.284	8.284	0.000	97	236370	25.0	26.4	
104 1,3,5-Trimethylbenzene	105	8.336	8.336	0.001	93	823406	25.0	26.4	
103 3-Chlorotoluene	126	8.336	8.336	0.000	94	242470	25.0	25.6	
102 4-Chlorotoluene	91	8.377	8.377	0.000	0	732191	25.0	27.3	M
106 tert-Butylbenzene	134	8.595	8.595	0.001	93	183273	25.0	26.9	
107 1,2,4-Trimethylbenzene	105	8.647	8.647	0.001	97	855476	25.0	27.4	
108 Pentachloroethane	167	8.657	8.657	0.000	0	113032	25.0	32.4	
109 sec-Butylbenzene	105	8.771	8.771	0.000	94	1073529	25.0	27.2	
111 4-Isopropyltoluene	119	8.895	8.895	0.000	98	978710	25.0	27.4	
110 1,3-Dichlorobenzene	146	8.906	8.895	0.011	98	473665	25.0	26.5	
112 Dicyclopentadiene	66	8.957	8.958	0.000	94	1073814	25.0	25.5	
113 1,4-Dichlorobenzene	146	8.978	8.978	0.000	95	486327	25.0	26.5	
114 1,2,3-Trimethylbenzene	105	8.999	8.999	0.000	98	871355	25.0	25.8	
150 Benzyl chloride	126	9.103	9.103	0.000	99	99765	25.0	25.5	
115 n-Butylbenzene	91	9.227	9.237	-0.010	98	839737	25.0	27.5	
116 1,2-Dichlorobenzene	146	9.289	9.289	0.000	97	481106	25.0	26.8	
117 1,2-Dibromo-3-Chloropropan	75	9.963	9.963	0.001	82	52606	25.0	24.3	
118 1,3,5-Trichlorobenzene	180	10.077	10.077	0.000	97	373903	25.0	25.9	
119 1,2,4-Trichlorobenzene	180	10.605	10.605	0.000	94	354928	25.0	26.3	
120 Hexachlorobutadiene	225	10.709	10.709	0.000	98	159881	25.0	26.4	
121 Naphthalene	128	10.812	10.812	0.000	98	1006033	25.0	24.3	
122 1,2,3-Trichlorobenzene	180	11.009	11.009	0.000	96	344832	25.0	25.4	
149 2-Methylnaphthalene	142	11.683	11.683	0.000	93	655730	25.0	22.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00175	Amount Added:	12.50	Units: uL	
GAS CORP mix_00378	Amount Added:	12.50	Units: uL	
ADD CORP mix_00096	Amount Added:	12.50	Units: uL	
3_MCP_Add_WRK_00239	Amount Added:	12.50	Units: uL	
T_8260_Surr_00203	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added:	1.00	Units: uL	Run Reagent

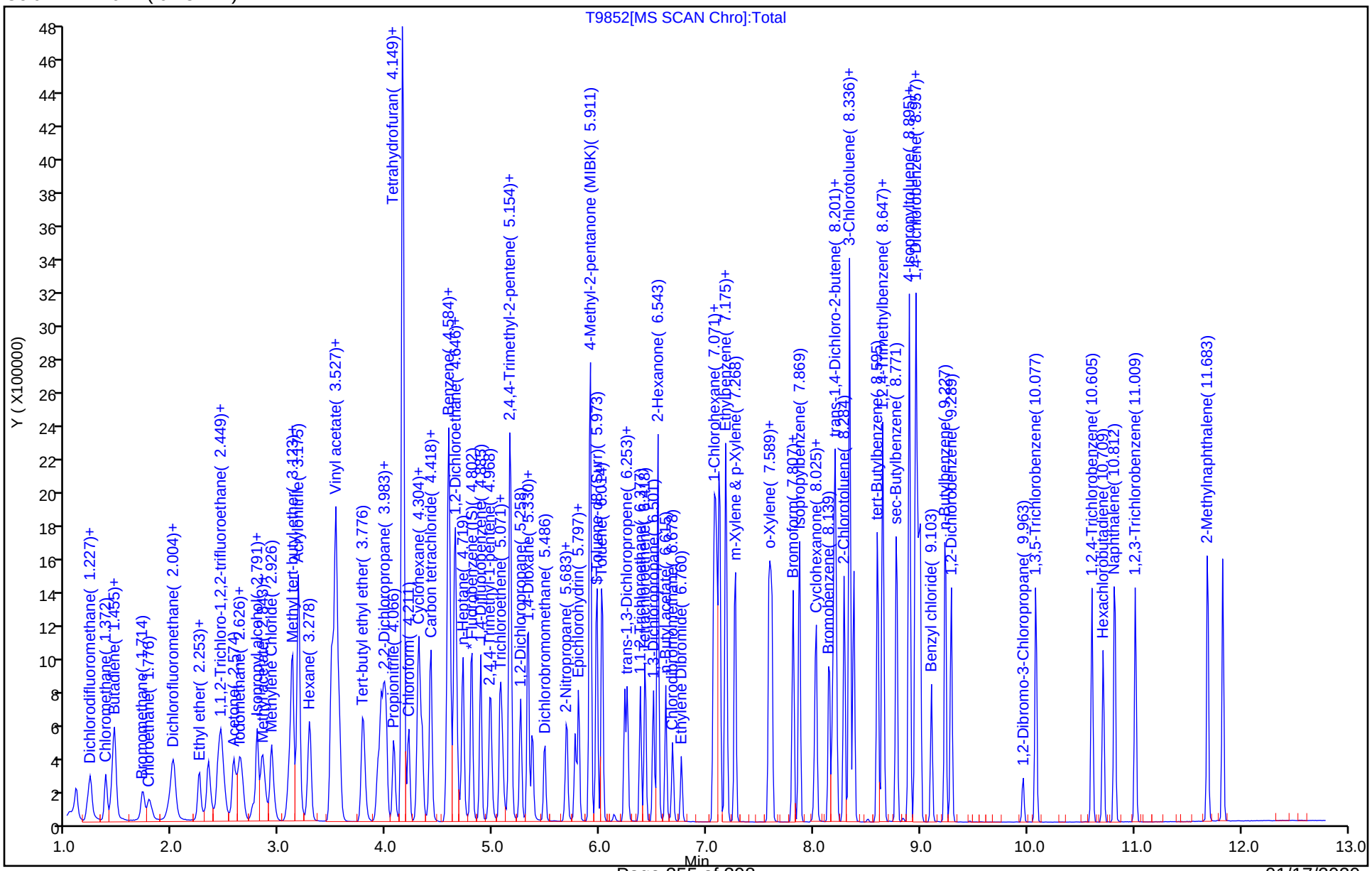
Report Date: 08-Jan-2020 10:21:28 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9852.D

Injection Date:	08-Jan-2020 10:03:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

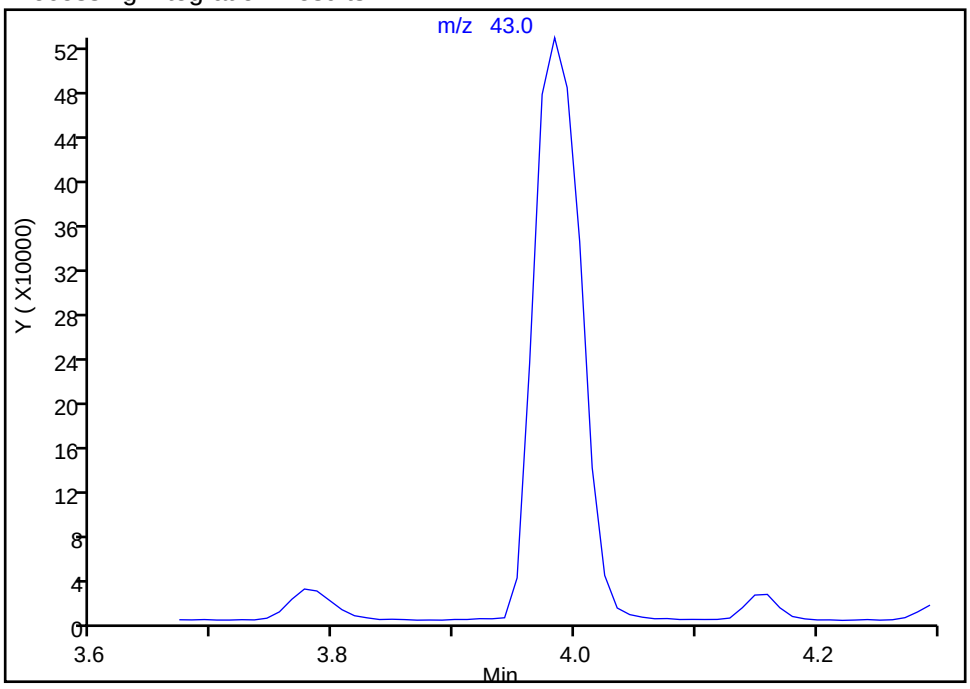
Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9852.D
Injection Date: 08-Jan-2020 10:03:30 Instrument ID: HP5975T
Lims ID: LCS
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

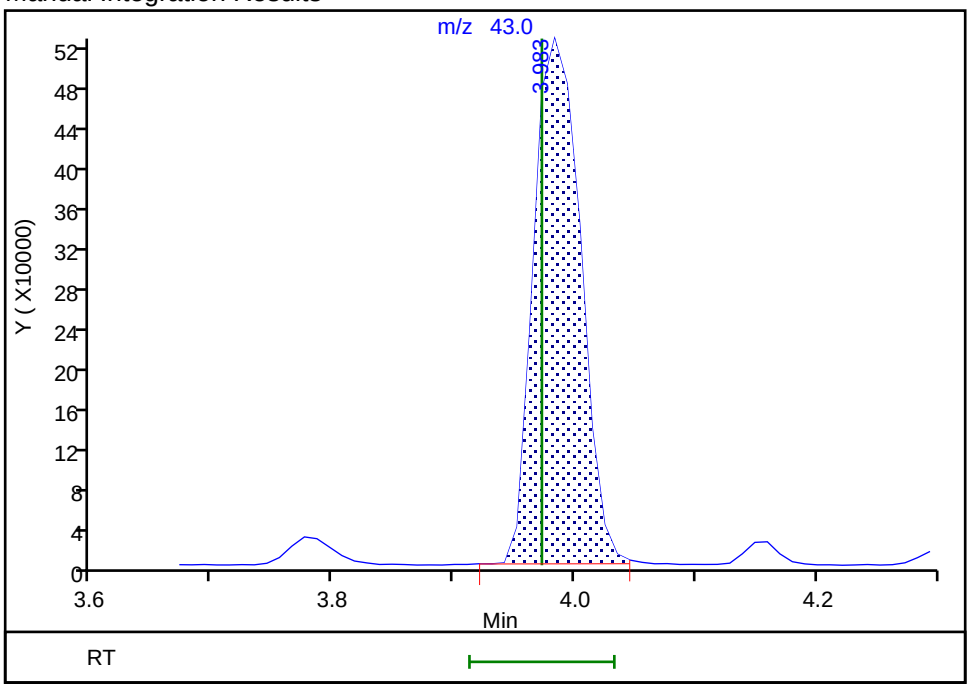
Not Detected
Expected RT: 3.97

Processing Integration Results



Manual Integration Results

RT: 3.98
Area: 1420528
Amount: 229.5517
Amount Units: ug/L



Reviewer: farrellr, 08-Jan-2020 10:19:37
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

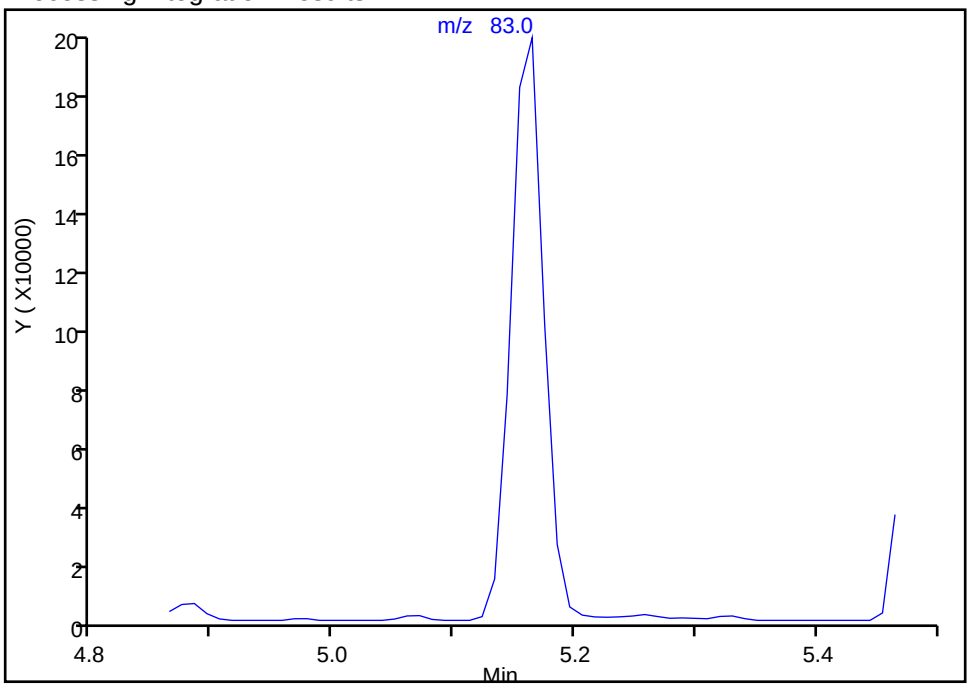
Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9852.D
Injection Date: 08-Jan-2020 10:03:30 Instrument ID: HP5975T
Lims ID: LCS
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

62 Methylcyclohexane, CAS: 108-87-2

Signal: 1

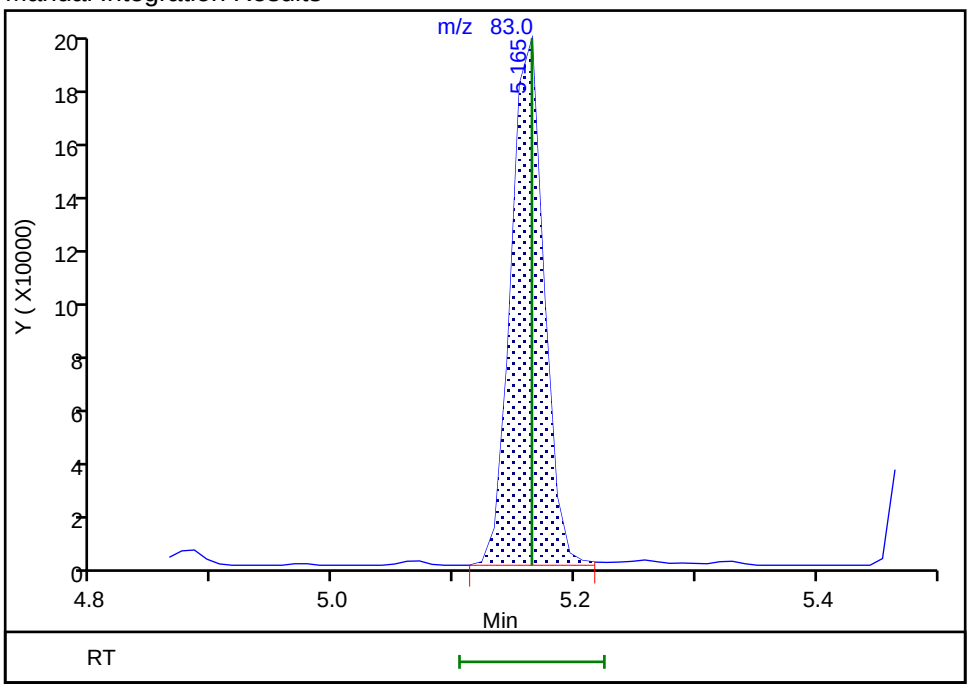
Not Detected
Expected RT: 5.16

Processing Integration Results



Manual Integration Results

RT: 5.16
Area: 371054
Amount: 26.749790
Amount Units: ug/L



Reviewer: farrellr, 08-Jan-2020 10:20:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 480-512748/6

Matrix: Water Lab File ID: T9853.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/08/2020 10:27

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512748 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.5		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.7		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.3		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27.3		1.0	0.31
75-34-3	1,1-Dichloroethane	26.4		1.0	0.38
75-35-4	1,1-Dichloroethene	23.8		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.5		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	25.2		1.0	0.39
95-50-1	1,2-Dichlorobenzene	26.8		1.0	0.79
107-06-2	1,2-Dichloroethane	25.6		1.0	0.21
78-87-5	1,2-Dichloropropane	25.4		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.7		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.4		1.0	0.84
78-93-3	2-Butanone (MEK)	227		10	1.3
591-78-6	2-Hexanone	130		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	128		5.0	2.1
67-64-1	Acetone	132		10	3.0
71-43-2	Benzene	25.2		1.0	0.41
75-27-4	Bromodichloromethane	26.9		1.0	0.39
75-25-2	Bromoform	24.0		1.0	0.26
74-83-9	Bromomethane	25.5		1.0	0.69
75-15-0	Carbon disulfide	24.6		1.0	0.19
56-23-5	Carbon tetrachloride	24.7		1.0	0.27
108-90-7	Chlorobenzene	25.0		1.0	0.75
124-48-1	Dibromochloromethane	26.4		1.0	0.32
75-00-3	Chloroethane	26.3		1.0	0.32
67-66-3	Chloroform	25.2		1.0	0.34
74-87-3	Chloromethane	24.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.0		1.0	0.36
110-82-7	Cyclohexane	25.1		1.0	0.18
75-71-8	Dichlorodifluoromethane	25.8		1.0	0.68
100-41-4	Ethylbenzene	25.5		1.0	0.74
106-93-4	1,2-Dibromoethane	26.4		1.0	0.73
98-82-8	Isopropylbenzene	26.8		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 480-512748/6

Matrix: Water Lab File ID: T9853.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 01/08/2020 10:27

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 512748 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	51.4		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.0		1.0	0.16
108-87-2	Methylcyclohexane	26.5		1.0	0.16
75-09-2	Methylene Chloride	24.4		1.0	0.44
100-42-5	Styrene	25.6		1.0	0.73
127-18-4	Tetrachloroethene	27.2		1.0	0.36
108-88-3	Toluene	24.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.0		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.3		1.0	0.37
79-01-6	Trichloroethene	25.7		1.0	0.46
75-69-4	Trichlorofluoromethane	26.1		1.0	0.88
75-01-4	Vinyl chloride	25.4		1.0	0.90
1330-20-7	Xylenes, Total	51.1		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9853.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 08-Jan-2020 10:27:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: lcsd
Misc. Info.: 480-0087375-006
Operator ID: RF Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Jan-2020 11:01:55 Calib Date: 17-Dec-2019 22:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20191217-86996.b\T9269.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0336

First Level Reviewer: farrellr Date: 08-Jan-2020 11:02:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.792	4.791	0.001	98	149385	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.092	7.092	0.000	88	558955	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.958	8.957	0.001	73	304147	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.336	4.336	0.001	93	194962	25.0	26.2	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.574	4.584	-0.010	0	242957	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	5.973	5.973	0.000	94	738279	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	8.025	8.025	0.000	0	221505	25.0	24.8	
11 Dichlorodifluoromethane	85	1.206	1.206	0.000	99	239843	25.0	25.8	
12 Chlorodifluoromethane	51	1.227	1.216	0.011	98	272347	25.0	22.7	
13 Chloromethane	50	1.361	1.371	-0.010	99	322789	25.0	24.4	
151 Butadiene	54	1.434	1.444	-0.010	93	281934	25.0	26.7	
14 Vinyl chloride	62	1.444	1.454	-0.010	98	280351	25.0	25.4	
15 Bromomethane	94	1.714	1.713	0.001	91	159220	25.0	25.5	
16 Chloroethane	64	1.776	1.776	0.000	99	165278	25.0	26.3	
18 Dichlorofluoromethane	67	1.994	1.993	0.001	97	358708	25.0	25.0	
17 Trichlorofluoromethane	101	1.994	1.993	0.001	65	303977	25.0	26.1	
19 Ethyl ether	59	2.242	2.242	0.000	96	201894	25.0	23.7	
148 Ethanol	45	2.242	2.242	-0.031	0	281929	1000.0	2582.3	a
84 Propene oxide	58		2.325				ND	ND	
21 Acrolein	56	2.418	2.418	0.000	100	240482	125.0	111.0	
22 1,1-Dichloroethene	96	2.450	2.449	0.001	95	170335	25.0	23.8	
20 1,1,2-Trichloro-1,2,2-trif	101	2.439	2.449	-0.010	55	186406	25.0	27.3	
23 Acetone	43	2.564	2.563	0.001	99	522581	125.0	131.9	
24 Iodomethane	142	2.595	2.605	-0.010	99	326618	25.0	25.2	
25 Carbon disulfide	76	2.626	2.625	0.001	100	584509	25.0	24.6	
26 Isopropyl alcohol	45	2.750	2.729	0.021	95	203861	250.0	181.7	
27 3-Chloro-1-propene	41	2.792	2.791	0.001	89	336061	25.0	23.2	
28 Methyl acetate	43	2.833	2.833	0.000	99	484698	50.0	51.4	
29 Acetonitrile	40	2.854	2.854	0.011	99	208041	250.0	210.5	Ma
30 Methylene Chloride	84	2.926	2.926	0.000	98	205087	25.0	24.4	
31 2-Methyl-2-propanol	59	3.082	3.092	-0.010	98	396679	250.0	228.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73	3.102	3.112	-0.010	99	584842	25.0	25.0	
32 trans-1,2-Dichloroethene	96	3.123	3.123	0.000	95	192027	25.0	25.0	
34 Acrylonitrile	53	3.175	3.175	0.000	98	1170888	250.0	253.9	
35 Hexane	57	3.279	3.278	0.001	93	331834	25.0	23.5	
36 1,1-Dichloroethane	63	3.486	3.486	0.000	96	371986	25.0	26.4	
37 Isopropyl ether	45	3.496	3.486	0.010	85	790803	25.0	25.4	
39 Vinyl acetate	43	3.517	3.517	0.000	97	1555770	50.0	74.8	
139 Halothane	117	3.527	3.517	0.010	90	144616	25.0	24.2	
38 2-Chloro-1,3-butadiene	53	3.527	3.527	0.000	94	362022	25.0	25.6	
40 1,1-Dimethoxyethane	75	3.558	3.548	0.010	95	277856	125.0	108.9	
41 Tert-butyl ethyl ether	59	3.776	3.776	0.000	99	715726	25.0	24.7	
42 2,2-Dichloropropane	77	3.921	3.921	0.000	94	267341	25.0	24.5	
43 cis-1,2-Dichloroethene	96	3.952	3.952	0.000	80	212691	25.0	25.9	
44 2-Butanone (MEK)	43	3.983	3.983	0.010	99	1348860	125.0	226.7	a
45 Ethyl acetate	43	3.983	3.993	-0.010	96	1348860	50.0	112.6	
46 Propionitrile	54	4.066	4.066	0.000	99	480894	250.0	238.2	
47 Chlorobromomethane	128	4.149	4.149	0.000	95	115464	25.0	25.5	
48 Tetrahydrofuran	42	4.149	4.149	0.000	31	273218	50.0	58.9	
49 Methacrylonitrile	41	4.149	4.149	0.000	96	1980902	250.0	262.1	
50 Chloroform	83	4.211	4.211	0.000	94	334550	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.305	4.304	0.001	81	282906	25.0	25.5	
52 Cyclohexane	56	4.305	4.304	0.001	94	404439	25.0	25.1	
53 Carbon tetrachloride	117	4.408	4.408	0.000	76	235834	25.0	24.7	
54 1,1-Dichloropropene	75	4.419	4.418	0.000	92	262258	25.0	26.3	
152 Isooctane	57	4.574	4.574	0.000	97	801525	25.0	25.5	
55 Benzene	78	4.584	4.584	0.000	95	725870	25.0	25.2	
56 Isobutyl alcohol	43	4.595	4.594	0.001	95	503010	625.0	732.0	
57 1,2-Dichloroethane	62	4.636	4.636	0.000	96	299315	25.0	25.6	
58 Tert-amyl methyl ether	73	4.647	4.636	0.010	94	799389	25.0	24.7	
147 t-Amyl alcohol	59	4.647	4.647	0.000	96	384904	250.0	245.8	
59 n-Heptane	43	4.719	4.719	0.000	95	380536	25.0	24.9	
1 1,4-Difluorobenzene	114	4.885	4.885	0.000	95	583352	25.0	25.6	
141 2,4,4-Trimethyl-1-pentene	55	4.968	4.968	0.000	99	159708	NC	NC	
60 Trichloroethene	95	5.061	5.061	0.000	96	195571	25.0	25.7	
61 n-Butanol	56	5.082	5.082	0.000	89	198868	625.0	456.0	
142 Ethyl acrylate	55	5.154	5.154	0.000	95	1079589	25.0	35.1	a
140 2,4,4-Trimethyl-2-pentene	97	5.154	5.154	0.000	86	398456	NC	NC	
62 Methylcyclohexane	83	5.165	5.165	0.001	72	352960	25.0	26.5	a
63 1,2-Dichloropropane	63	5.258	5.258	0.000	93	204630	25.0	25.4	
64 Methyl methacrylate	41	5.320	5.320	0.000	95	526310	50.0	49.7	
65 Dibromomethane	93	5.362	5.361	0.001	96	126276	25.0	25.5	
66 1,4-Dioxane	88	5.362	5.361	0.001	47	68691	500.0	520.9	
67 Dichlorobromomethane	83	5.476	5.486	-0.010	98	233213	25.0	26.9	
68 2-Nitropropane	43	5.683	5.673	0.011	74	173480	50.0	70.7	
69 2-Chloroethyl vinyl ether	63	5.683	5.693	-0.010	91	156845	25.0	26.5	
70 Epichlorohydrin	57	5.766	5.766	0.000	99	340013	250.0	248.2	
71 cis-1,3-Dichloropropene	75	5.797	5.797	0.001	93	302442	25.0	26.0	
72 4-Methyl-2-pentanone (MIBK	43	5.911	5.911	0.001	97	1578745	125.0	127.8	
73 Toluene	92	6.014	6.014	0.000	98	471467	25.0	24.8	
75 trans-1,3-Dichloropropene	75	6.232	6.232	0.000	96	284251	25.0	25.3	
77 Ethyl methacrylate	69	6.253	6.253	0.001	93	279743	25.0	24.9	
78 1,1,2-Trichloroethane	83	6.377	6.377	0.000	91	150385	25.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
79 Tetrachloroethene	166	6.419	6.419	0.001	95	210449	25.0	27.2	
80 1,3-Dichloropropane	76	6.501	6.501	0.000	96	310051	25.0	24.7	
81 2-Hexanone	43	6.543	6.543	0.000	98	1159575	125.0	129.6	
155 n-Butyl acetate	43	6.615	6.616	0.000	99	443969	25.0	26.1	
82 Chlorodibromomethane	129	6.678	6.678	0.001	91	177777	25.0	26.4	
83 Ethylene Dibromide	107	6.761	6.761	0.001	98	198096	25.0	26.4	
146 1-Chlorohexane	55	7.061	7.061	0.000	93	233876	25.0	25.6	
85 3-Chlorobenzotrifluoride	180	7.082	7.082	0.000	92	307292	25.0	27.5	
86 Chlorobenzene	112	7.113	7.113	0.000	95	539836	25.0	25.0	
87 4-Chlorobenzotrifluoride	180	7.123	7.123	0.000	96	284517	25.0	27.1	
88 Ethylbenzene	91	7.175	7.175	0.000	98	895815	25.0	25.5	
89 1,1,1,2-Tetrachloroethane	131	7.185	7.185	0.000	93	184256	25.0	26.2	
90 m-Xylene & p-Xylene	106	7.268	7.268	0.000	0	362695	25.0	25.4	
91 o-Xylene	106	7.579	7.590	-0.010	98	355267	25.0	25.7	
92 Styrene	104	7.610	7.610	0.000	96	590042	25.0	25.6	
93 Bromoform	173	7.797	7.797	0.000	94	104240	25.0	24.0	
94 2-Chlorobenzotrifluoride	180	7.807	7.807	0.000	96	301280	25.0	26.3	
95 Isopropylbenzene	105	7.869	7.869	0.000	95	930338	25.0	26.8	
96 Cyclohexanone	55	8.014	8.015	0.000	96	130180	250.0	223.7	
97 Bromobenzene	156	8.149	8.149	0.000	94	229996	25.0	26.1	
98 1,1,2,2-Tetrachloroethane	83	8.180	8.180	0.000	95	272586	25.0	26.7	
99 N-Propylbenzene	91	8.201	8.201	0.000	98	1084224	25.0	26.5	
100 1,2,3-Trichloropropane	110	8.211	8.211	0.000	88	92203	25.0	26.1	
101 trans-1,4-Dichloro-2-buten	53	8.211	8.211	0.000	79	79619	25.0	24.1	
105 2-Chlorotoluene	126	8.284	8.284	0.000	97	226313	25.0	26.4	
104 1,3,5-Trimethylbenzene	105	8.336	8.336	0.001	94	788216	25.0	26.4	
103 3-Chlorotoluene	126	8.336	8.336	0.000	94	233979	25.0	25.8	
102 4-Chlorotoluene	91	8.377	8.377	0.000	0	697336	25.0	27.1	M
106 tert-Butylbenzene	134	8.595	8.595	0.001	93	175323	25.0	26.9	
107 1,2,4-Trimethylbenzene	105	8.647	8.647	0.001	97	823938	25.0	27.6	
108 Pentachloroethane	167	8.657	8.657	0.000	0	108918	25.0	32.6	
109 sec-Butylbenzene	105	8.771	8.771	0.000	95	1024231	25.0	27.1	
111 4-Isopropyltoluene	119	8.895	8.895	0.000	98	925766	25.0	27.1	
110 1,3-Dichlorobenzene	146	8.895	8.895	0.000	98	457532	25.0	26.7	
112 Dicyclopentadiene	66	8.958	8.958	0.001	95	1017705	25.0	25.3	
113 1,4-Dichlorobenzene	146	8.978	8.978	0.000	95	463973	25.0	26.4	
114 1,2,3-Trimethylbenzene	105	8.999	8.999	0.000	98	844618	25.0	26.2	
150 Benzyl chloride	126	9.103	9.103	0.001	99	102495	25.0	27.5	
115 n-Butylbenzene	91	9.227	9.237	-0.010	98	790917	25.0	27.0	
116 1,2-Dichlorobenzene	146	9.289	9.289	0.000	97	460916	25.0	26.8	
117 1,2-Dibromo-3-Chloropropan	75	9.963	9.963	0.001	81	52332	25.0	25.2	
118 1,3,5-Trichlorobenzene	180	10.077	10.077	0.000	98	359941	25.0	26.1	
119 1,2,4-Trichlorobenzene	180	10.605	10.605	0.000	94	342449	25.0	26.5	
120 Hexachlorobutadiene	225	10.709	10.709	0.000	97	151322	25.0	26.1	
121 Naphthalene	128	10.813	10.813	0.000	97	993041	25.0	25.1	
122 1,2,3-Trichlorobenzene	180	11.009	11.009	0.000	95	335845	25.0	25.9	
149 2-Methylnaphthalene	142	11.683	11.683	0.000	93	636665	25.0	22.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ADD CORP mix_00096	Amount Added:	12.50	Units: uL	
3_MCP_Add_WRK_00239	Amount Added:	12.50	Units: uL	
GAS CORP mix_00378	Amount Added:	12.50	Units: uL	
8260 CORP mix_00175	Amount Added:	12.50	Units: uL	
T_8260_Surr_00203	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00236	Amount Added:	1.00	Units: uL	Run Reagent

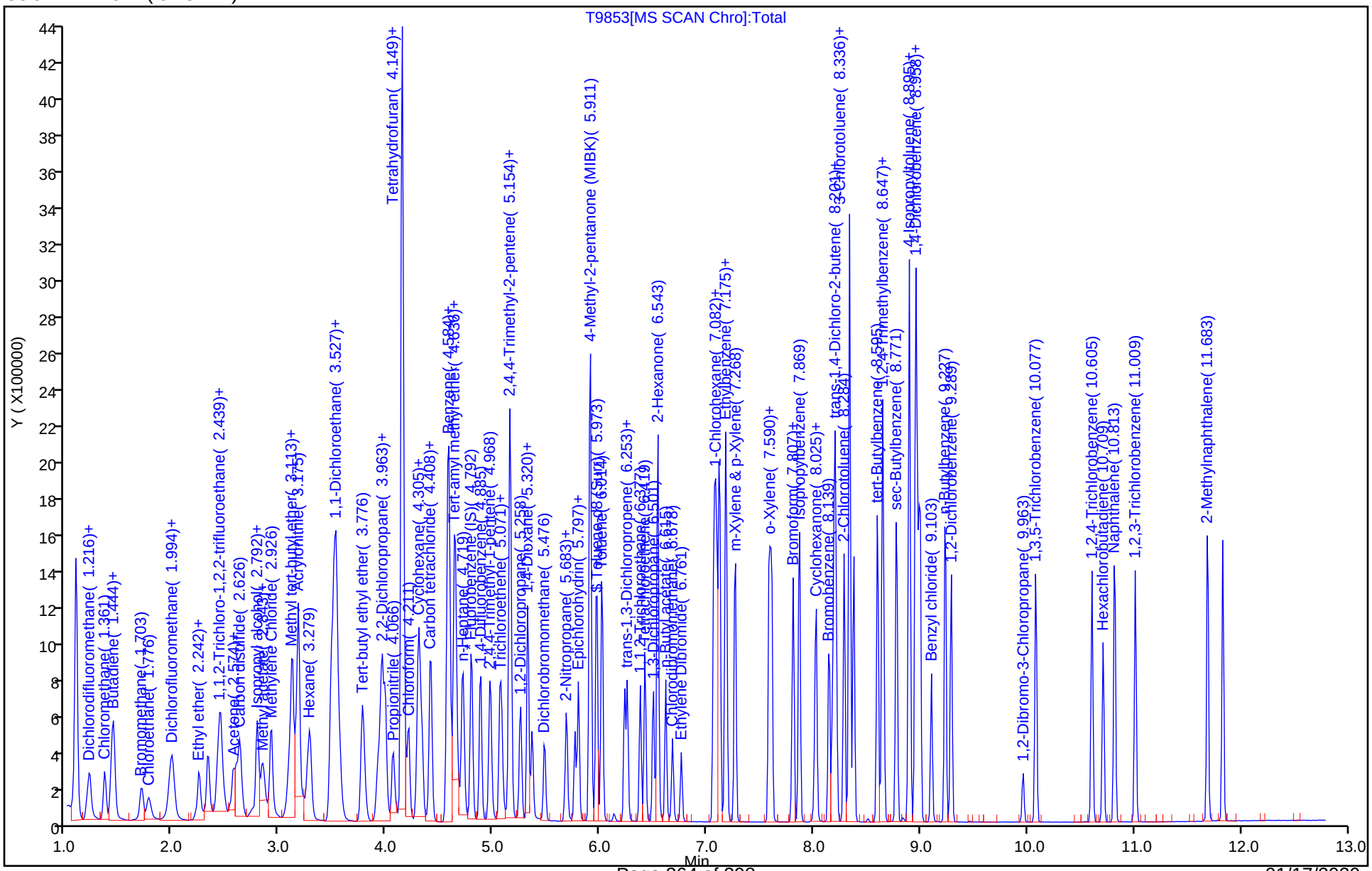
Report Date: 08-Jan-2020 11:02:19 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9853.D

Injection Date:	08-Jan-2020 10:27:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	LCSD			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

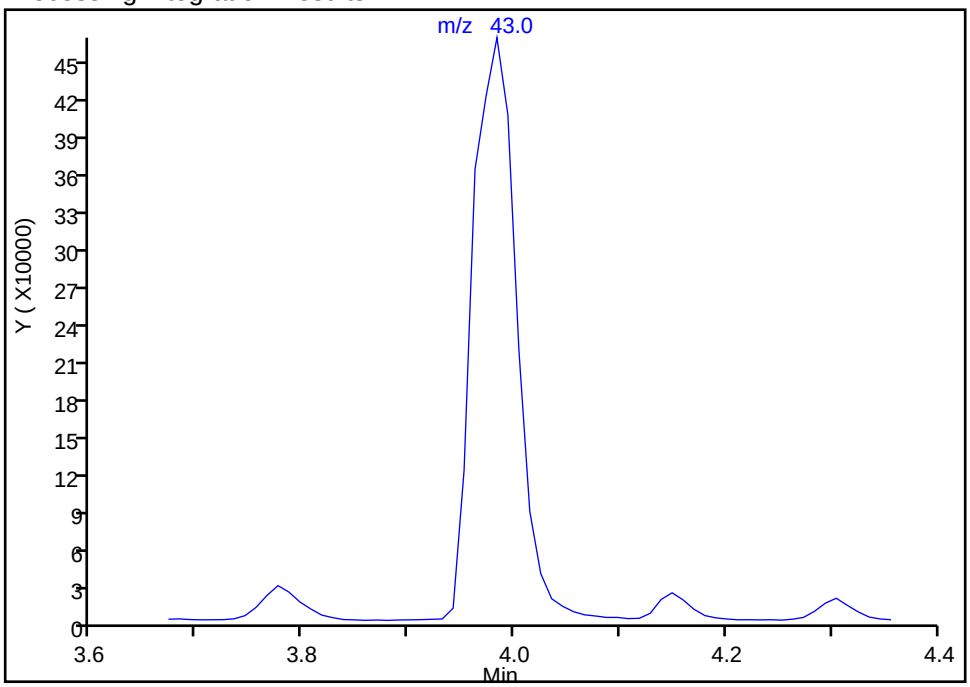
Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9853.D
Injection Date: 08-Jan-2020 10:27:30 Instrument ID: HP5975T
Lims ID: LCSD
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

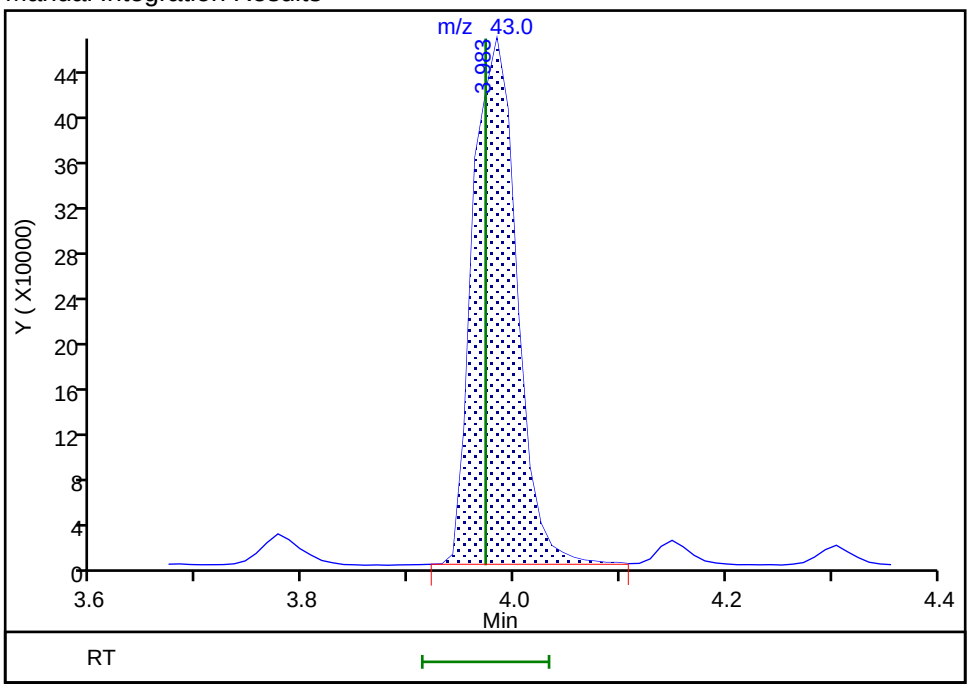
Not Detected
Expected RT: 3.97

Processing Integration Results



Manual Integration Results

RT: 3.98
Area: 1348860
Amount: 226.7193
Amount Units: ug/L



Reviewer: farrellr, 08-Jan-2020 11:00:16
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

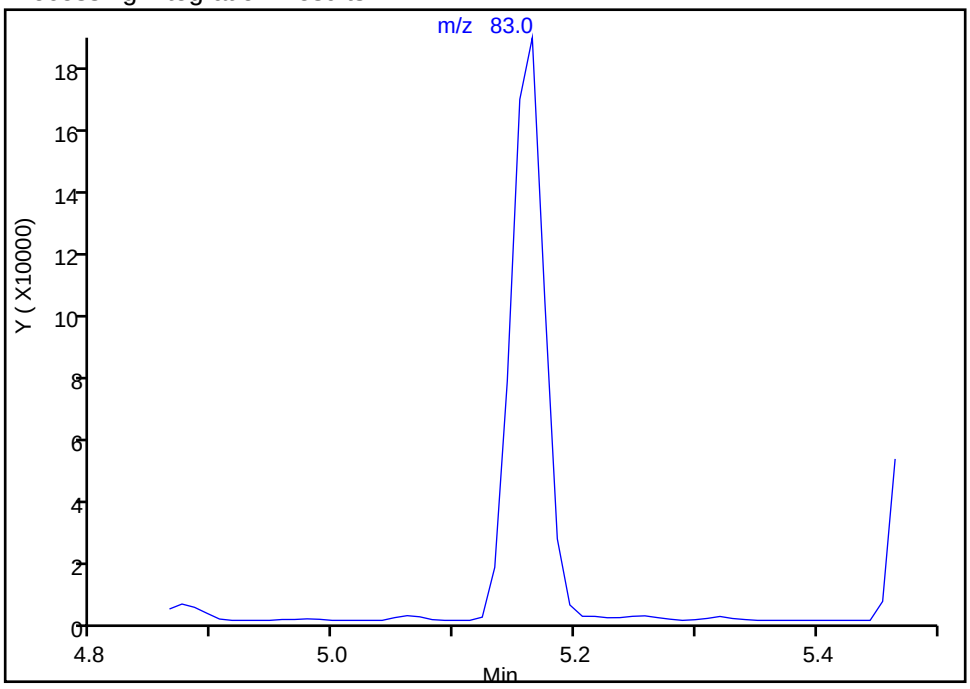
Data File: \\chromna\Buffalo\ChromData\HP5975T\20200108-87375.b\T9853.D
Injection Date: 08-Jan-2020 10:27:30 Instrument ID: HP5975T
Lims ID: LCSD
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

62 Methylcyclohexane, CAS: 108-87-2

Signal: 1

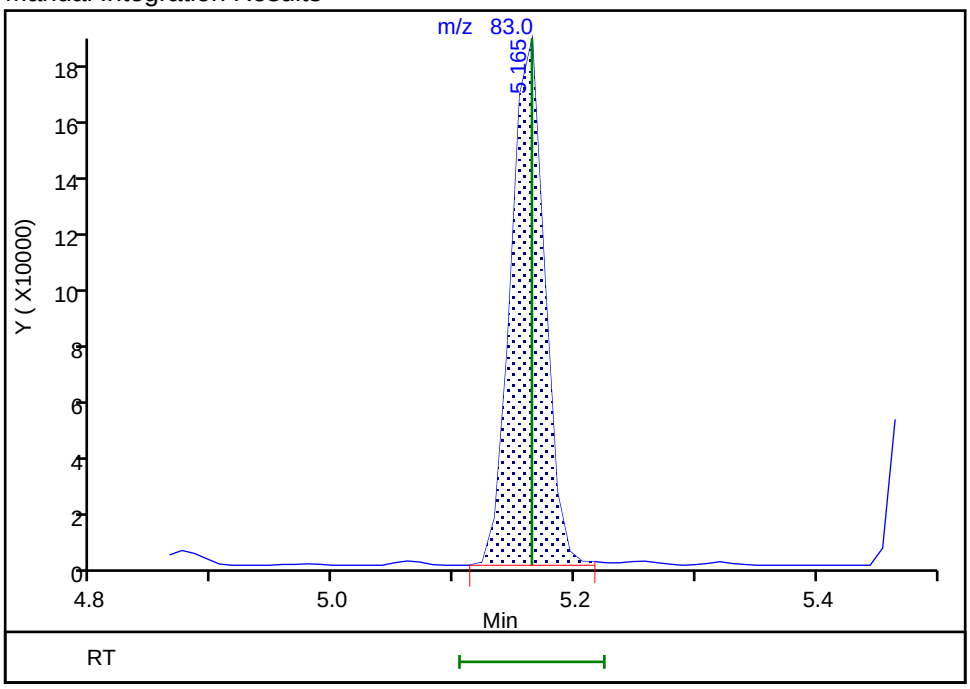
Not Detected
Expected RT: 5.16

Processing Integration Results



Manual Integration Results

RT: 5.16
Area: 352960
Amount: 26.466692
Amount Units: ug/L



Reviewer: farrellr, 08-Jan-2020 11:00:37
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Instrument ID: HP5973S Start Date: 11/18/2019 11:07

Analysis Batch Number: 505107 End Date: 11/18/2019 20:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-505107/2		11/18/2019 11:07	1	S2496.D	ZB-624 (20) 0.18(mm)
IC 480-505107/4		11/18/2019 12:00	1	S2498.D	ZB-624 (20) 0.18(mm)
IC 480-505107/5		11/18/2019 12:23	1	S2499.D	ZB-624 (20) 0.18(mm)
IC 480-505107/6		11/18/2019 12:46	1	S2500.D	ZB-624 (20) 0.18(mm)
IC 480-505107/7		11/18/2019 13:09	1	S2501.D	ZB-624 (20) 0.18(mm)
IC 480-505107/8		11/18/2019 13:32	1	S2502.D	ZB-624 (20) 0.18(mm)
ICIS 480-505107/9		11/18/2019 13:55	1	S2503.D	ZB-624 (20) 0.18(mm)
IC 480-505107/10		11/18/2019 14:18	1	S2504.D	ZB-624 (20) 0.18(mm)
IC 480-505107/11		11/18/2019 14:41	1	S2505.D	ZB-624 (20) 0.18(mm)
IC 480-505107/16		11/18/2019 16:36	1		ZB-624 (20) 0.18(mm)
IC 480-505107/17		11/18/2019 16:59	1		ZB-624 (20) 0.18(mm)
IC 480-505107/18		11/18/2019 17:22	1		ZB-624 (20) 0.18(mm)
IC 480-505107/19		11/18/2019 17:45	1		ZB-624 (20) 0.18(mm)
IC 480-505107/20		11/18/2019 18:08	1		ZB-624 (20) 0.18(mm)
IC 480-505107/21		11/18/2019 18:31	1		ZB-624 (20) 0.18(mm)
IC 480-505107/22		11/18/2019 18:54	1		ZB-624 (20) 0.18(mm)
MDLV 480-505107/24		11/18/2019 19:40	1		ZB-624 (20) 0.18(mm)
ICV 480-505107/25		11/18/2019 20:03	1		ZB-624 (20) 0.18(mm)
ICV 480-505107/26		11/18/2019 20:27	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Instrument ID: HP5973S Start Date: 01/06/2020 08:08

Analysis Batch Number: 512458 End Date: 01/06/2020 17:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-512458/2		01/06/2020 08:08	1	S3698.D	ZB-624 (20) 0.18(mm)
CCVIS 480-512458/3		01/06/2020 08:33	1	S3699.D	ZB-624 (20) 0.18(mm)
CCV 480-512458/4		01/06/2020 08:57	1	S3700.D	ZB-624 (20) 0.18(mm)
LCS 480-512458/5		01/06/2020 09:20	1	S3701.D	ZB-624 (20) 0.18(mm)
ZZZZZ		01/06/2020 11:17	1		ZB-624 (20) 0.18(mm)
RL 480-512458/7		01/06/2020 11:52	1		ZB-624 (20) 0.18(mm)
MB 480-512458/8		01/06/2020 12:15	1	S3705.D	ZB-624 (20) 0.18(mm)
ZZZZZ		01/06/2020 12:38	1		ZB-624 (20) 0.18(mm)
480-164784-1		01/06/2020 13:29	20	S3707.D	ZB-624 (20) 0.18(mm)
480-164784-2		01/06/2020 13:52	5	S3708.D	ZB-624 (20) 0.18(mm)
480-164784-3		01/06/2020 14:15	4	S3709.D	ZB-624 (20) 0.18(mm)
ZZZZZ		01/06/2020 14:38	20		ZB-624 (20) 0.18(mm)
ZZZZZ		01/06/2020 15:01	4		ZB-624 (20) 0.18(mm)
480-164784-6		01/06/2020 15:24	1	S3712.D	ZB-624 (20) 0.18(mm)
ZZZZZ		01/06/2020 15:48	10		ZB-624 (20) 0.18(mm)
ZZZZZ		01/06/2020 16:10	200		ZB-624 (20) 0.18(mm)
ZZZZZ		01/06/2020 16:33	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/06/2020 16:56	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/06/2020 17:19	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Instrument ID: HP5973S Start Date: 01/07/2020 08:01

Analysis Batch Number: 512586 End Date: 01/07/2020 17:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-512586/2		01/07/2020 08:01	1	S3719.D	ZB-624 (20) 0.18(mm)
CCVIS 480-512586/3		01/07/2020 08:33	1	S3720.D	ZB-624 (20) 0.18(mm)
CCV 480-512586/4		01/07/2020 09:13	1	S3721.D	ZB-624 (20) 0.18(mm)
LCS 480-512586/5		01/07/2020 10:16	1	S3722.D	ZB-624 (20) 0.18(mm)
RL 480-512586/8		01/07/2020 11:06	1		ZB-624 (20) 0.18(mm)
MB 480-512586/9		01/07/2020 11:29	1	S3724.D	ZB-624 (20) 0.18(mm)
ZZZZZ		01/07/2020 12:26	5		ZB-624 (20) 0.18(mm)
480-164784-5		01/07/2020 12:49	1	S3726.D	ZB-624 (20) 0.18(mm)
ZZZZZ		01/07/2020 13:12	5		ZB-624 (20) 0.18(mm)
ZZZZZ		01/07/2020 13:35	5		ZB-624 (20) 0.18(mm)
ZZZZZ		01/07/2020 14:44	2		ZB-624 (20) 0.18(mm)
ZZZZZ		01/07/2020 15:07	20		ZB-624 (20) 0.18(mm)
ZZZZZ		01/07/2020 15:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/07/2020 15:54	5		ZB-624 (20) 0.18(mm)
ZZZZZ		01/07/2020 16:17	5		ZB-624 (20) 0.18(mm)
ZZZZZ		01/07/2020 16:40	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/07/2020 17:03	2		ZB-624 (20) 0.18(mm)
ZZZZZ		01/07/2020 17:26	4		ZB-624 (20) 0.18(mm)
ZZZZZ		01/07/2020 17:49	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Instrument ID: HP5975T Start Date: 12/17/2019 13:55

Analysis Batch Number: 510334 End Date: 12/17/2019 23:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-510334/4		12/17/2019 13:55	1	T9249.D	ZB-624 (20) 0.18(mm)
IC 480-510334/6		12/17/2019 14:46	1	T9251.D	ZB-624 (20) 0.18(mm)
IC 480-510334/7		12/17/2019 15:10	1	T9252.D	ZB-624 (20) 0.18(mm)
IC 480-510334/8		12/17/2019 15:34	1	T9253.D	ZB-624 (20) 0.18(mm)
IC 480-510334/9		12/17/2019 15:58	1	T9254.D	ZB-624 (20) 0.18(mm)
IC 480-510334/10		12/17/2019 16:22	1	T9255.D	ZB-624 (20) 0.18(mm)
ICIS 480-510334/11		12/17/2019 16:46	1	T9256.D	ZB-624 (20) 0.18(mm)
IC 480-510334/12		12/17/2019 17:11	1	T9257.D	ZB-624 (20) 0.18(mm)
IC 480-510334/13		12/17/2019 17:35	1	T9258.D	ZB-624 (20) 0.18(mm)
MDLV 480-510334/15		12/17/2019 18:23	1		ZB-624 (20) 0.18(mm)
IC 480-510334/18		12/17/2019 19:36	1		ZB-624 (20) 0.18(mm)
IC 480-510334/19		12/17/2019 20:00	1		ZB-624 (20) 0.18(mm)
IC 480-510334/20		12/17/2019 20:24	1		ZB-624 (20) 0.18(mm)
IC 480-510334/21		12/17/2019 20:48	1		ZB-624 (20) 0.18(mm)
IC 480-510334/22		12/17/2019 21:12	1		ZB-624 (20) 0.18(mm)
IC 480-510334/23		12/17/2019 21:37	1		ZB-624 (20) 0.18(mm)
IC 480-510334/24		12/17/2019 22:01	1		ZB-624 (20) 0.18(mm)
MDLV 480-510334/26		12/17/2019 22:49	1		ZB-624 (20) 0.18(mm)
ICV 480-510334/27		12/17/2019 23:13	1		ZB-624 (20) 0.18(mm)
ICV 480-510334/28		12/17/2019 23:37	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Instrument ID: HP5975T Start Date: 01/08/2020 08:51

Analysis Batch Number: 512748 End Date: 01/08/2020 18:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-512748/2		01/08/2020 08:51	1	T9849.D	ZB-624 (20) 0.18(mm)
CCVIS 480-512748/3		01/08/2020 09:15	1	T9850.D	ZB-624 (20) 0.18(mm)
CCV 480-512748/4		01/08/2020 09:39	1	T9851.D	ZB-624 (20) 0.18(mm)
LCS 480-512748/5		01/08/2020 10:03	1	T9852.D	ZB-624 (20) 0.18(mm)
LCSD 480-512748/6		01/08/2020 10:27	1	T9853.D	ZB-624 (20) 0.18(mm)
MB 480-512748/8		01/08/2020 11:15	1	T9855.D	ZB-624 (20) 0.18(mm)
ZZZZZ		01/08/2020 11:49	1		ZB-624 (20) 0.18(mm)
480-164784-4		01/08/2020 14:37	5	T9863.D	ZB-624 (20) 0.18(mm)
ZZZZZ		01/08/2020 15:01	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/08/2020 15:26	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/08/2020 15:49	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/08/2020 16:13	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/08/2020 16:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/08/2020 17:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/08/2020 17:24	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/08/2020 17:48	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/08/2020 18:12	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/08/2020 18:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		01/08/2020 18:59	1		ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Batch Number: 512458 Batch Start Date: 01/06/20 08:08 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	2 MTP 2019 00016	3 MTP 2019 00016	8260 CORP mix 00174
BFB 480-512458/2		8260C		1 uL	1 uL				
CCVIS 480-512458/3		8260C		5 mL	5 mL				12.5 uL
CCV 480-512458/4		8260C		5 mL	5 mL		12.5 uL	12.5 uL	
LCS 480-512458/5		8260C		5 mL	5 mL				12.5 uL
MB 480-512458/8		8260C		5 mL	5 mL				
480-164784-A-1	RW-1	8260C	T	5 mL	5 mL	<2 SU			
480-164784-A-2	RW-2	8260C	T	5 mL	5 mL	<2 SU			
480-164784-A-3	RW-3	8260C	T	5 mL	5 mL	<2 SU			
480-164784-A-6	TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	ADD CORP mix 00096	BFB_WRK 00100	GAS CORP mix 00377	S_8260_IS 00330	S_8260_Surr 00343	
BFB 480-512458/2		8260C			1 uL				
CCVIS 480-512458/3		8260C				12.5 uL	1 uL	1 uL	
CCV 480-512458/4		8260C		12.5 uL			1 uL	1 uL	
LCS 480-512458/5		8260C				12.5 uL	1 uL	1 uL	
MB 480-512458/8		8260C					1 uL	1 uL	
480-164784-A-1	RW-1	8260C	T				1 uL	1 uL	
480-164784-A-2	RW-2	8260C	T				1 uL	1 uL	
480-164784-A-3	RW-3	8260C	T				1 uL	1 uL	
480-164784-A-6	TRIP BLANK	8260C	T				1 uL	1 uL	

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Batch Number: 512458 Batch Start Date: 01/06/20 08:08 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Batch Number: 512586 Batch Start Date: 01/07/20 08:01 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	2 MTP 2019 00016	3 MTP 2019 00016	8260 CORP mix 00176
BFB 480-512586/2		8260C		1 uL	1 uL				
CCVIS 480-512586/3		8260C		5 mL	5 mL				12.5 uL
CCV 480-512586/4		8260C		5 mL	5 mL		12.5 uL	12.5 uL	
LCS 480-512586/5		8260C		5 mL	5 mL				12.5 uL
MB 480-512586/9		8260C		5 mL	5 mL				
480-164784-B-5	EFFLUENT	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	ADD CORP mix 00096	BFB_WRK 00100	GAS CORP mix 00378	S_8260_IS 00330	S_8260_Surr 00343	
BFB 480-512586/2		8260C			1 uL				
CCVIS 480-512586/3		8260C				12.5 uL	1 uL	1 uL	
CCV 480-512586/4		8260C		12.5 uL			1 uL	1 uL	
LCS 480-512586/5		8260C				12.5 uL	1 uL	1 uL	
MB 480-512586/9		8260C					1 uL	1 uL	
480-164784-B-5	EFFLUENT	8260C	T				1 uL	1 uL	

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Batch Number: 512748 Batch Start Date: 01/08/20 08:51 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	2 MTP 2019 00016	3 MTP 2019 00016	3_MCP_Add_WRK 00239
BFB 480-512748/2		8260C		1 uL	1 uL				
CCVIS 480-512748/3		8260C		5 mL	5 mL				
CCV 480-512748/4		8260C		5 mL	5 mL		12.5 uL	12.5 uL	12.5 uL
LCS 480-512748/5		8260C		5 mL	5 mL				12.5 uL
LCSD 480-512748/6		8260C		5 mL	5 mL				12.5 uL
MB 480-512748/8		8260C		5 mL	5 mL				
480-164784-C-4	DUP	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	8260 CORP mix 00175	ADD CORP mix 00096	BFB_WRK 00099	GAS CORP mix 00378	T_8260_IS 00236	T_8260_Surr 00203
BFB 480-512748/2		8260C				1 uL			
CCVIS 480-512748/3		8260C		12.5 uL			12.5 uL	1 uL	1 uL
CCV 480-512748/4		8260C			12.5 uL			1 uL	1 uL
LCS 480-512748/5		8260C		12.5 uL	12.5 uL		12.5 uL	1 uL	1 uL
LCSD 480-512748/6		8260C		12.5 uL	12.5 uL		12.5 uL	1 uL	1 uL
MB 480-512748/8		8260C						1 uL	1 uL
480-164784-C-4	DUP	8260C	T					1 uL	1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
BFB 480-512748/2		8260C							
CCVIS 480-512748/3		8260C							
CCV 480-512748/4		8260C							
LCS 480-512748/5		8260C							
LCSD 480-512748/6		8260C							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Batch Number: 512748 Batch Start Date: 01/08/20 08:51 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 480-512748/8		8260C							
480-164784-C-4	DUP	8260C	T	Targets					

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-164784-1

SDG No.:

Project: Roxy Cleaners #442024

Client Sample ID	Lab Sample ID
RW-1	480-164784-1
RW-2	480-164784-2

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-1 Lab Sample ID: 480-164784-1

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG ID.:

Matrix: Water Date Sampled: 01/03/2020 10:15

Reporting Basis: WET Date Received: 01/04/2020 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	399	20.0	8.7	mg/L			20	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-2 Lab Sample ID: 480-164784-2

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG ID.:

Matrix: Water Date Sampled: 01/03/2020 10:10

Reporting Basis: WET Date Received: 01/04/2020 11:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	0.97	1.0	0.43	mg/L	J		1	SM 5310C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Analyst: CLA Batch Start Date: 01/09/2020

Reporting Units: mg/L Analytical Batch No.: 513204

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	CCV	17:31	Total Organic Carbon	63.18	60.0	105	90-110		TOC_CCV_00076
7	CCB	17:45	Total Organic Carbon	ND					
17	CCV	20:34	Total Organic Carbon	62.79	60.0	105	90-110		TOC_CCV_00076
18	CCB	20:50	Total Organic Carbon	ND					
27	CCV	23:07	Total Organic Carbon	62.47	60.0	104	90-110		TOC_CCV_00076
28	CCB	23:22	Total Organic Carbon	ND					

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 513204	Date: 01/09/2020 18:01						
SM 5310C	MB 480-513204/8	Total Organic Carbon	ND		mg/L	1.0	1

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 513204 Date: 01/09/2020 18:17											
						LCS Source: TOC_LCS_00075					
SM 5310C	LCS 480-513204/9	Total Organic Carbon	61.48		mg/L	60.0	102	90-110			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-164784-1

SDG Number:

Matrix: Water Instrument ID: TOC10303

Method: SM 5310C MDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Organic Carbon		1	0.434

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-164784-1

SDG Number:

Matrix: Water Instrument ID: TOC10303

Method: SM 5310C XMDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon		1	0.434

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Instrument ID: TOC10303 Method: SM 5310C

Start Date: 01/09/2020 14:05 End Date: 01/09/2020 23:38

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOC																			
CCV 480-513204/1			14:05																				
CCB 480-513204/2			14:35																				
ZZZZZZ			15:05																				
ZZZZZZ			15:35																				
RINSE 480-513204/5			17:16																				
CCV 480-513204/6	1		17:31	X																			
CCB 480-513204/7	1		17:45	X																			
MB 480-513204/8	1	T	18:01	X																			
LCS 480-513204/9	1	T	18:17	X																			
ZZZZZZ			18:32																				
ZZZZZZ			19:02																				
ZZZZZZ			19:18																				
ZZZZZZ			19:33																				
ZZZZZZ			19:48																				
ZZZZZZ			20:03																				
ZZZZZZ			20:19																				
CCV 480-513204/17	1		20:34	X																			
CCB 480-513204/18	1		20:50	X																			
ZZZZZZ			21:04																				
ZZZZZZ			21:20																				
ZZZZZZ			21:35																				
ZZZZZZ			21:51																				
ZZZZZZ			22:06																				
ZZZZZZ			22:21																				
480-164784-1	20	T	22:37	X																			
480-164784-2	1	T	22:52	X																			
CCV 480-513204/27	1		23:07	X																			
CCB 480-513204/28	1		23:22	X																			
ZZZZZZ			23:38																				

Prep Types

T = Total/NA

TOC Wheel Worksheet

BATCH # 513204
Instrument # 3
SRF # 48871

Method 5310
File Name 20200109P

	Sample ID	Dil	pH	Comment
1	Rinse			
2	CCV			
3	CCB			
4	MB			
5	LCS			
6	164808-V-1	8	adj	5mL → 40mL
7	4808-W-1TIC	8		L
8	164905-D-1			
9	4905-E-1MS	2		20mL → 40mL
10	4905-E-1MSD	2		L
11	4905-D-2			
12	164955-D-1			
13	164958-C-1			
14	CCV			
15	CCB			
16	164958-C-2			
17	164962-F-1	40	adj	1mL → 40mL
18	4962-F-2	4	adj	10mL → 40mL
19	164860-C-1			
20	4860-C-2			
21				164740-F-1 1X
22				164784-D-1 20X 2mL → 40mL
23				CA 9JAN20 4784-D-2 1X
24				
25				
26	CCV			
27	CCB			
28	~~MB~~ LLV			
29	LCS			
30				
31				
32				
33				
34				
35				
36				
37				
38	CCV			
39	CCB			
40				
41				
42				
43				
44				
45				

END

BF-WC-TOCWW-016 Rev.1 8/7/2019

513204

5310

46				
47				
48				
49				
50	CCV			
51	CCB			
52	MB			
53	LCS			
54				
55				
56				
57				
58				
59				
60				
61				
62	CCV			
63	CCB			
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74	CCV			
75	CCB			
76	MB			
77	LCS			
78				
79				
80				
81				
82				
83				
84				
85				
86	CCV			
87	CCB			

Date 9 Jan 20

Analyst CA

TIC 5648531

MS 5571486

CCV 5726901

LCS 5726902

All pH <2 WT

pipette (880 uL) M43072G

acid 5510039

sodium persulfate 5670174

phosphoric acid 5648204

User ID:toc Name:Total Organic Carbon
Title:Mr Dept:OIC-TOC

Calibration - Quick View -TOC

Revision: 1-20191219 - Dec 19, 2019; 05-23-40 PM
Modified By: toc
Date Created: 2019/12/19; 05:29 PM
Last Modified: 2019/12/20; 08:03 PM
Last Calibrated: 2019/12/20; 07:22 PM

RF(ugC/k-cnt): 0.3482
R2: 0.9988
Reagent Blank(cts): 3,049
Offset Area(cts): 3,628
Offset Mass(ugC): -1.26

Std #	Conc (PPM)	Volume (mL)	# Reps	Area	Std. Dev	%RSD	Date Analysed
RW	0.000	2.000	2	3,654	270	7.40	2019-12-20; 05:44PM
1	1.000	2.000	2	7,570	96	1.27	2019-12-20; 05:59PM
2	2.000	2.000	2	15,713	84	0.53	2019-12-20; 06:15PM
3	5.000	2.000	2	31,942	774	2.42	2019-12-20; 06:31PM
4	10.000	2.000	2	62,971	54	0.09	2019-12-20; 06:46PM
5	50.000	2.000	2	297,856	661	0.22	2019-12-20; 07:01PM
6	100.000	2.000	2	570,890	12,315	2.16	2019-12-20; 07:16PM

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

5/13/20

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
2	Rinse	1/9/2020 5:16:12PM	1	2539	0.000	0.000
		1/9/2020 5:21:12PM	2	2149	0.000	0.000
			Avg	2344	0.000	0.000 ok
			Std. Dev	276		
			%RSD	11.78		
3	CCV	1/9/2020 5:31:22PM	1	364178	125.535	62.768
		1/9/2020 5:37:14PM	2	368916	127.185	63.592
			Avg	366547	126.360	63.180
			Std. Dev	3350		
			%RSD	0.91		
4	CCB	1/9/2020 5:45:56PM	1	2894	0.000	0.000
		1/9/2020 5:51:41PM	2	2668	0.000	0.000
			Avg	2781	0.000	0.000
			Std. Dev	160		
			%RSD	5.76		
5	MB	1/9/2020 6:01:09PM	1	2844	0.000	0.000
		1/9/2020 6:07:07PM	2	2502	0.000	0.000
			Avg	2673	0.000	0.000
			Std. Dev	242		
			%RSD	9.06		
6	LCS	1/9/2020 6:17:07PM	1	354962	122.326	61.163
		1/9/2020 6:23:00PM	2	358607	123.596	61.798
			Avg	356784	122.960	61.481
			Std. Dev	2577		
			%RSD	0.72		
7	480-164808-V-1^8	1/9/2020 6:32:22PM	1	168592	57.437	28.718
		1/9/2020 6:38:12PM	2	164382	55.971	27.985
			Avg	166487	56.700	28.352
			Std. Dev	2977		
			%RSD	1.79		
8	480-164808-W-1 TIC^8	1/9/2020 6:47:34PM	1	169641	57.802	28.901
		1/9/2020 6:53:25PM	2	170099	57.961	28.981
			Avg	169870	57.880	28.941 TVC PASS
			Std. Dev	324		
			%RSD	0.19		
9	480-164905-D-1	1/9/2020 7:02:52PM	1	20371	5.830	2.915
		1/9/2020 7:08:47PM	2	20122	5.743	2.871
			Avg	20247	5.790	2.893
			Std. Dev	176		
			%RSD	0.87		
10	480-164905-E-1 MS^2	1/9/2020 7:18:08PM	1	140525	47.664	23.832
		1/9/2020 7:24:01PM	2	143779	48.797	24.399

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	142152	48.230	24.116
			Std. Dev	2301		
			%RSD	1.62		
11	480-164905-E-1 MSD^2	1/9/2020 7:33:23PM	1	156099	53.087	26.544
		1/9/2020 7:39:16PM	2	158940	54.076	27.038
			Avg	157520	53.580	26.791
			Std. Dev	2009		
			%RSD	1.28		
12	480-164905-D-2	1/9/2020 7:48:32PM	1	15172	4.019	2.010
		1/9/2020 7:54:33PM	2	15726	4.212	2.106
			Avg	15449	4.120	2.058
			Std. Dev	392		
			%RSD	2.54		
13	480-164955-D-1	1/9/2020 8:03:29PM	1	6737	1.082	0.541
		1/9/2020 8:09:14PM	2	6343	0.945	0.473
			Avg	6540	1.010	0.507
			Std. Dev	278		
			%RSD	4.26		
14	480-164958-C-1	1/9/2020 8:19:19PM	1	18027	5.013	2.507
		1/9/2020 8:25:11PM	2	17869	4.959	2.479
			Avg	17948	4.990	2.493
			Std. Dev	111		
			%RSD	0.62		
15	CCV	1/9/2020 8:34:40PM	1	362129	124.822	62.410
		1/9/2020 8:40:30PM	2	366450	126.326	63.163
			Avg	364290	125.570	62.786
			Std. Dev	3055		
			%RSD	0.84		
16	CCB	1/9/2020 8:50:08PM	1	3444	0.000	0.000
		1/9/2020 8:55:11PM	2	2982	0.000	0.000
			Avg	3213	0.000	0.000 ok
			Std. Dev	327		
			%RSD	10.17		
17	480-164958-C-2	1/9/2020 9:04:54PM	1	5329	0.592	0.296
		1/9/2020 9:10:35PM	2	4391	0.266	0.133
			Avg	4860	0.430	0.214
			Std. Dev	663		LS
			%RSD	13.65		
18	480-164962-F-1 40X	1/9/2020 9:20:36PM	1	105101	35.331	17.665
		1/9/2020 9:26:30PM	2	106712	35.891	17.946
			Avg	105907	35.610	17.805
			Std. Dev	1139		
			%RSD	1.08		

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
19	480-164962-F-2 4X	1/9/2020 9:35:56PM	1	119529	40.354	20.177
		1/9/2020 9:41:49PM	2	112828	38.021	19.011
			Avg	116179	39.190	19.594
			Std. Dev	4739		
			%RSD	4.08		
20	480-164860-C-1	1/9/2020 9:51:14PM	1	15723	4.211	2.106
		1/9/2020 9:56:47PM	2	15355	4.083	2.042
			Avg	15539	4.150	2.074
			Std. Dev	260		
			%RSD	1.67		
21	480-164860-C-2	1/9/2020 10:06:47PM	1	12826	3.203	1.601
		1/9/2020 10:12:33PM	2	12787	3.189	1.595
			Avg	12807	3.200	1.598
			Std. Dev	28		
			%RSD	0.22		
22	480-164740-F-1	1/9/2020 10:21:40PM	1	9561	2.066	1.033
		1/9/2020 10:27:52PM	2	9391	2.007	1.003
			Avg	9476	2.040	1.018
			Std. Dev	120		
			%RSD	1.27		
23	480-164784-D-1	1/9/2020 10:37:19PM	1	117958	39.807	19.904
		1/9/2020 10:43:11PM	2	118772	40.090	20.045
			Avg	118365	39.950	19.975
			Std. Dev	576		
			%RSD	0.49		
24	480-164784-D-2	1/9/2020 10:52:25PM	1	9150	1.923	0.961
		1/9/2020 10:58:20PM	2	9261	1.961	0.981
			Avg	9206	1.940	0.971
			Std. Dev	79		
			%RSD	0.85		
25	CCV	1/9/2020 11:07:57PM	1	360393	124.217	62.109
		1/9/2020 11:13:52PM	2	364513	125.652	62.825
			Avg	362453	124.930	62.467
			Std. Dev	2913		
			%RSD	0.80		
26	CCB	1/9/2020 11:22:38PM	1	2877	0.000	0.000
		1/9/2020 11:28:20PM	2	2607	0.000	0.000
			Avg	2742	0.000	0.000
			Std. Dev	191		
			%RSD	6.97		
27	LLV	1/9/2020 11:38:16PM	1	10329	2.333	1.167
		1/9/2020 11:44:18PM	2	10300	2.323	1.162

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	10314	2.330	1.165
			Std. Dev	20		
			%RSD	0.19		

Historical Data Summary Report

For Batch 513204

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-164740-F-1	LDZ 2/5	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	1.0	☐	0 - 355.709	☐	0 - 338.4
480-164808-V-1 ^8	Leachate	5310C	Total Organic Carbon	Total/NA	mg/L	8	8.0	227	☐	49.742 - 483.508	☐	121.6 - 472.8
480-164905-D-1	RAW	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	2.9	☐	0 - 8.602	☐	1.76 - 9
480-164905-D-2	E.P.	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	2.1	☐	0.022 - 4.49	☐	0.68 - 3.96
480-164962-F-1 ^40	Junction MH	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	40	712	☐	0 - 2480.949	☐	488.8 - 2328
480-164962-F-2 ^4	LMH10	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	4	78.4	☐	57.295 - 282.08	☐	77.2 - 252

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-164784-1

SDG No.:

Batch Number: 513204 Batch Start Date: 01/09/20 14:05 Batch Analyst: Abramo, Charles L

Batch Method: SM 5310C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Res1&2RPD	RPDOK	TOC_CCV 00076	TOC_LCS 00075		
CCV 480-513204/6		SM 5310C		1 %	TOC Pass	# mL			
CCB 480-513204/7		SM 5310C			TOC Pass				
MB 480-513204/8		SM 5310C			TOC Pass				
LCS 480-513204/9		SM 5310C		1 %	TOC Pass		# mL		
CCV 480-513204/17		SM 5310C		1 %	TOC Pass	# mL			
CCB 480-513204/18		SM 5310C			TOC Pass				
480-164784-D-1 ^20	RW-1	SM 5310C	T	1 %	TOC Pass				
480-164784-D-2	RW-2	SM 5310C	T	2 %	TOC Pass				
CCV 480-513204/27		SM 5310C		1 %	TOC Pass	# mL			
CCB 480-513204/28		SM 5310C			TOC Pass				

Batch Notes	
Acid ID	5510039
Combustion Catylyst ID	TIC 5648531
Phosphoric Acid ID	5648204
Pipette/Syringe/Dispenser ID	M 43072 G
Sodium Persulfate ID	5670474

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

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Client Information	Sampler: Andrew Talbot	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-133575-30092.1
Client Contact: Jessica Marcy	Phone: 518-885-5383	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days): Standard			
State, Zip: NY, 12020				
Phone:	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

480-164784 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Num	Special Instructions/Note:
Preservation Code:							A	A	A		
RW-1	1/3/20	10:15	G	Water	N		X	X	X		
RW-2		10:10	G	Water	N		X	X	X		
RW-3		10:05	G	Water	N		X	X			
DUP		10:20	G	Water	N		X	X			
Effluent		10:00	G	Water	N		X	X			
Trip Blank				Water				X			
				Water							
				Water							
				Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/3/20 10:30	Aztech	Tim Knollman	1-3-19 1030	Eurofins TA
Relinquished by: Tim Knollman	Date/Time: 1-3-20 1700	Company Eurofins TA	Received by: Cwalker	Date/Time: 1/4/20 1110	Company TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		#1 2.5

Ver: 01/16/2019

01/17/2020

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-164784-1

Login Number: 164784 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Job Number: 480-166129-1

Job Description: Roxy Cleaners #442024

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, NY 12233-7014

Attention: Jenelle Gaylord

Approved for release.
Alexander C Gilbert
Project Management Assistant I
2/18/2020 12:03 PM

Designee for
Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
judy.stone@testamericainc.com
02/18/2020

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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

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

Job Number: 480-166129-1

Job Description: Roxy Cleaners #442024

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

Approved for release.
Alexander C Gilbert
Project Management Assistant I
2/18/2020 12:03 PM

Designee for
Judy L Stone

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Job Narrative
480-166129-1

Comments
No additional comments.

Receipt
The samples were received on 2/8/2020 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-517279 recovered outside acceptance criteria, low biased, for Carbon disulfide. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect and/or below the RL for this analyte, the data have been reported. The following samples are impacted: RW-2 (480-166129-2), RW-3 (480-166129-3), DUP (480-166129-4) and EFFLUENT (480-166129-5).

Method 8260C: The Laboratory Control Sample (LCS) was outside laboratory/project quality control limits by 2% for the following analyte: 1,2,4-Trichlorobenzene. All other spike recoveries and quality control indicators, including sample specific surrogate recoveries, were acceptable. A reporting limit (RL) standard was analyzed, and the target analyte was detected. The following samples are impacted: RW-2 (480-166129-2), RW-3 (480-166129-3), DUP (480-166129-4) and EFFLUENT (480-166129-5).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-517279 recovered above the upper control limit for 4-Methyl-2-pentanone, 2-Butanone, and 2-Hexanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: RW-2 (480-166129-2), RW-3 (480-166129-3), DUP (480-166129-4) and EFFLUENT (480-166129-5).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-2 (480-166129-2), RW-3 (480-166129-3) and DUP (480-166129-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-517370 recovered outside acceptance criteria, low biased, for 1,2-Dichloroethane, Chloromethane and Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: RW-1 (480-166129-1). Elevated reporting limits (RLs) are provided.

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

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

Sample Summary

Client: New York State D.E.C.
Job ID: 480-166129-1
Project/Site: Roxy Cleaners #442024

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-166129-1	RW-1	Water	02/07/20 13:03	02/08/20 08:00	
480-166129-2	RW-2	Water	02/07/20 13:05	02/08/20 08:00	
480-166129-3	RW-3	Water	02/07/20 13:08	02/08/20 08:00	
480-166129-4	DUP	Water	02/07/20 13:10	02/08/20 08:00	
480-166129-5	EFFLUENT	Water	02/07/20 13:00	02/08/20 08:00	

Detection Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-166129-1

Client Sample ID: RW-1 — Lab Sample ID: 480-166129-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	94		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	7.2		2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	12		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	39		2.0	1.8	ug/L	2		8260C	Total/NA
Total Organic Carbon	1.4		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: RW-2 — Lab Sample ID: 480-166129-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	17		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	110		5.0	1.8	ug/L	5		8260C	Total/NA
Trichloroethene	5.3		5.0	2.3	ug/L	5		8260C	Total/NA
Total Organic Carbon	1.0		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: RW-3 — Lab Sample ID: 480-166129-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.2		4.0	3.2	ug/L	4		8260C	Total/NA
Methylene Chloride	2.4	J	4.0	1.8	ug/L	4		8260C	Total/NA
Tetrachloroethene	190		4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	2.7	J	4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: DUP — Lab Sample ID: 480-166129-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	18		4.0	3.2	ug/L	4		8260C	Total/NA
Methylene Chloride	1.9	J	4.0	1.8	ug/L	4		8260C	Total/NA
Tetrachloroethene	110		4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	5.0		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-166129-5

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

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Job ID: 480-166129-1
Project/Site: Roxy Cleaners #442024

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Client Sample ID: RW-1
Lab Sample ID: 480-166129-1

Date Collected: 02/07/20 13:03
Matrix: Water
Date Received: 02/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			02/13/20 12:59	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/13/20 12:59	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/13/20 12:59	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			02/13/20 12:59	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			02/13/20 12:59	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			02/13/20 12:59	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			02/13/20 12:59	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			02/13/20 12:59	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			02/13/20 12:59	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/13/20 12:59	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/13/20 12:59	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			02/13/20 12:59	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			02/13/20 12:59	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/13/20 12:59	2
2-Hexanone	ND		10	2.5	ug/L			02/13/20 12:59	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/13/20 12:59	2
Acetone	ND		20	6.0	ug/L			02/13/20 12:59	2
Benzene	ND		2.0	0.82	ug/L			02/13/20 12:59	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/13/20 12:59	2
Bromoform	ND		2.0	0.52	ug/L			02/13/20 12:59	2
Bromomethane	ND		2.0	1.4	ug/L			02/13/20 12:59	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/13/20 12:59	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/13/20 12:59	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/13/20 12:59	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/13/20 12:59	2
Chloroethane	ND		2.0	0.64	ug/L			02/13/20 12:59	2
Chloroform	ND		2.0	0.68	ug/L			02/13/20 12:59	2
Chloromethane	ND		2.0	0.70	ug/L			02/13/20 12:59	2
cis-1,2-Dichloroethene	**94**		2.0	1.6	ug/L			02/13/20 12:59	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/13/20 12:59	2
Cyclohexane	ND		2.0	0.36	ug/L			02/13/20 12:59	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			02/13/20 12:59	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/13/20 12:59	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			02/13/20 12:59	2
Isopropylbenzene	ND		2.0	1.6	ug/L			02/13/20 12:59	2
Methyl acetate	ND		5.0	2.6	ug/L			02/13/20 12:59	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			02/13/20 12:59	2
Methylcyclohexane	ND		2.0	0.32	ug/L			02/13/20 12:59	2
Methylene Chloride	ND		2.0	0.88	ug/L			02/13/20 12:59	2
Styrene	ND		2.0	1.5	ug/L			02/13/20 12:59	2
Tetrachloroethene	**7.2**		2.0	0.72	ug/L			02/13/20 12:59	2
Toluene	ND		2.0	1.0	ug/L			02/13/20 12:59	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			02/13/20 12:59	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/13/20 12:59	2
Trichloroethene	**12**		2.0	0.92	ug/L			02/13/20 12:59	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			02/13/20 12:59	2
Vinyl chloride	**39**		2.0	1.8	ug/L			02/13/20 12:59	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/13/20 12:59	2

Client Sample ID: RW-1
Lab Sample ID: 480-166129-1

Date Collected: 02/07/20 13:03
Matrix: Water
Date Received: 02/08/20 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/13/20 12:59*	*2*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*02/13/20 12:59*	*2*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/13/20 12:59*	*2*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*02/13/20 12:59*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.4**		1.0	0.43	mg/L			02/12/20 22:09	1

Client Sample ID: RW-2
Lab Sample ID: 480-166129-2

Date Collected: 02/07/20 13:05
Matrix: Water
Date Received: 02/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			02/13/20 03:49	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			02/13/20 03:49	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			02/13/20 03:49	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			02/13/20 03:49	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			02/13/20 03:49	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			02/13/20 03:49	5
1,2,4-Trichlorobenzene	ND	*	5.0	2.1	ug/L			02/13/20 03:49	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			02/13/20 03:49	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			02/13/20 03:49	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			02/13/20 03:49	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			02/13/20 03:49	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			02/13/20 03:49	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			02/13/20 03:49	5
2-Butanone (MEK)	ND		50	6.6	ug/L			02/13/20 03:49	5
2-Hexanone	ND		25	6.2	ug/L			02/13/20 03:49	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			02/13/20 03:49	5
Acetone	ND		50	15	ug/L			02/13/20 03:49	5
Benzene	ND		5.0	2.1	ug/L			02/13/20 03:49	5
Bromodichloromethane	ND		5.0	2.0	ug/L			02/13/20 03:49	5
Bromoform	ND		5.0	1.3	ug/L			02/13/20 03:49	5
Bromomethane	ND		5.0	3.5	ug/L			02/13/20 03:49	5
Carbon disulfide	ND		5.0	0.95	ug/L			02/13/20 03:49	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			02/13/20 03:49	5
Chlorobenzene	ND		5.0	3.8	ug/L			02/13/20 03:49	5
Dibromochloromethane	ND		5.0	1.6	ug/L			02/13/20 03:49	5
Chloroethane	ND		5.0	1.6	ug/L			02/13/20 03:49	5
Chloroform	ND		5.0	1.7	ug/L			02/13/20 03:49	5
Chloromethane	ND		5.0	1.8	ug/L			02/13/20 03:49	5
cis-1,2-Dichloroethene	**17**		5.0	4.1	ug/L			02/13/20 03:49	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			02/13/20 03:49	5
Cyclohexane	ND		5.0	0.90	ug/L			02/13/20 03:49	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			02/13/20 03:49	5
Ethylbenzene	ND		5.0	3.7	ug/L			02/13/20 03:49	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			02/13/20 03:49	5
Isopropylbenzene	ND		5.0	4.0	ug/L			02/13/20 03:49	5
Methyl acetate	ND		13	6.5	ug/L			02/13/20 03:49	5

Client Sample ID: RW-2
Lab Sample ID: 480-166129-2

Date Collected: 02/07/20 13:05
Matrix: Water
Date Received: 02/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			02/13/20 03:49	5
Methylcyclohexane	ND		5.0	0.80	ug/L			02/13/20 03:49	5
Methylene Chloride	ND		5.0	2.2	ug/L			02/13/20 03:49	5
Styrene	ND		5.0	3.7	ug/L			02/13/20 03:49	5
Tetrachloroethene	**110**		5.0	1.8	ug/L			02/13/20 03:49	5
Toluene	ND		5.0	2.6	ug/L			02/13/20 03:49	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			02/13/20 03:49	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			02/13/20 03:49	5
Trichloroethene	**5.3**		5.0	2.3	ug/L			02/13/20 03:49	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			02/13/20 03:49	5
Vinyl chloride	ND		5.0	4.5	ug/L			02/13/20 03:49	5
Xylenes, Total	ND		10	3.3	ug/L			02/13/20 03:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*02/13/20 03:49*	*5*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*02/13/20 03:49*	*5*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*02/13/20 03:49*	*5*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*02/13/20 03:49*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.0**		1.0	0.43	mg/L			02/12/20 22:24	1

Client Sample ID: RW-3
Lab Sample ID: 480-166129-3

Date Collected: 02/07/20 13:08
Matrix: Water
Date Received: 02/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			02/13/20 04:13	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/13/20 04:13	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/13/20 04:13	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			02/13/20 04:13	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			02/13/20 04:13	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			02/13/20 04:13	4
1,2,4-Trichlorobenzene	ND	*	4.0	1.6	ug/L			02/13/20 04:13	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			02/13/20 04:13	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			02/13/20 04:13	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/13/20 04:13	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			02/13/20 04:13	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			02/13/20 04:13	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			02/13/20 04:13	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/13/20 04:13	4
2-Hexanone	ND		20	5.0	ug/L			02/13/20 04:13	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/13/20 04:13	4
Acetone	ND		40	12	ug/L			02/13/20 04:13	4
Benzene	ND		4.0	1.6	ug/L			02/13/20 04:13	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/13/20 04:13	4
Bromoform	ND		4.0	1.0	ug/L			02/13/20 04:13	4
Bromomethane	ND		4.0	2.8	ug/L			02/13/20 04:13	4

Client Sample ID: RW-3
Lab Sample ID: 480-166129-3

Date Collected: 02/07/20 13:08
Matrix: Water
Date Received: 02/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			02/13/20 04:13	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/13/20 04:13	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/13/20 04:13	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/13/20 04:13	4
Chloroethane	ND		4.0	1.3	ug/L			02/13/20 04:13	4
Chloroform	ND		4.0	1.4	ug/L			02/13/20 04:13	4
Chloromethane	ND		4.0	1.4	ug/L			02/13/20 04:13	4
cis-1,2-Dichloroethene	**6.2**		4.0	3.2	ug/L			02/13/20 04:13	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/13/20 04:13	4
Cyclohexane	ND		4.0	0.72	ug/L			02/13/20 04:13	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			02/13/20 04:13	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/13/20 04:13	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			02/13/20 04:13	4
Isopropylbenzene	ND		4.0	3.2	ug/L			02/13/20 04:13	4
Methyl acetate	ND		10	5.2	ug/L			02/13/20 04:13	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			02/13/20 04:13	4
Methylcyclohexane	ND		4.0	0.64	ug/L			02/13/20 04:13	4
Methylene Chloride	**2.4**	**J**	4.0	1.8	ug/L			02/13/20 04:13	4
Styrene	ND		4.0	2.9	ug/L			02/13/20 04:13	4
Tetrachloroethene	**190**		4.0	1.4	ug/L			02/13/20 04:13	4
Toluene	ND		4.0	2.0	ug/L			02/13/20 04:13	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			02/13/20 04:13	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/13/20 04:13	4
Trichloroethene	**2.7**	**J**	4.0	1.8	ug/L			02/13/20 04:13	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			02/13/20 04:13	4
Vinyl chloride	ND		4.0	3.6	ug/L			02/13/20 04:13	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/13/20 04:13	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*02/13/20 04:13*	*4*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*02/13/20 04:13*	*4*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*02/13/20 04:13*	*4*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*02/13/20 04:13*	*4*

Client Sample ID: DUP
Lab Sample ID: 480-166129-4

Date Collected: 02/07/20 13:10
Matrix: Water
Date Received: 02/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			02/13/20 04:38	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/13/20 04:38	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/13/20 04:38	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			02/13/20 04:38	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			02/13/20 04:38	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			02/13/20 04:38	4
1,2,4-Trichlorobenzene	ND	*	4.0	1.6	ug/L			02/13/20 04:38	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			02/13/20 04:38	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			02/13/20 04:38	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/13/20 04:38	4

Client Sample ID: DUP
Lab Sample ID: 480-166129-4

Date Collected: 02/07/20 13:10
Matrix: Water

Date Received: 02/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		4.0	2.9	ug/L			02/13/20 04:38	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			02/13/20 04:38	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			02/13/20 04:38	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/13/20 04:38	4
2-Hexanone	ND		20	5.0	ug/L			02/13/20 04:38	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/13/20 04:38	4
Acetone	ND		40	12	ug/L			02/13/20 04:38	4
Benzene	ND		4.0	1.6	ug/L			02/13/20 04:38	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/13/20 04:38	4
Bromoform	ND		4.0	1.0	ug/L			02/13/20 04:38	4
Bromomethane	ND		4.0	2.8	ug/L			02/13/20 04:38	4
Carbon disulfide	ND		4.0	0.76	ug/L			02/13/20 04:38	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/13/20 04:38	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/13/20 04:38	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/13/20 04:38	4
Chloroethane	ND		4.0	1.3	ug/L			02/13/20 04:38	4
Chloroform	ND		4.0	1.4	ug/L			02/13/20 04:38	4
Chloromethane	ND		4.0	1.4	ug/L			02/13/20 04:38	4
cis-1,2-Dichloroethene	**18**		4.0	3.2	ug/L			02/13/20 04:38	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/13/20 04:38	4
Cyclohexane	ND		4.0	0.72	ug/L			02/13/20 04:38	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			02/13/20 04:38	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/13/20 04:38	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			02/13/20 04:38	4
Isopropylbenzene	ND		4.0	3.2	ug/L			02/13/20 04:38	4
Methyl acetate	ND		10	5.2	ug/L			02/13/20 04:38	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			02/13/20 04:38	4
Methylcyclohexane	ND		4.0	0.64	ug/L			02/13/20 04:38	4
Methylene Chloride	**1.9**	**J**	4.0	1.8	ug/L			02/13/20 04:38	4
Styrene	ND		4.0	2.9	ug/L			02/13/20 04:38	4
Tetrachloroethene	**110**		4.0	1.4	ug/L			02/13/20 04:38	4
Toluene	ND		4.0	2.0	ug/L			02/13/20 04:38	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			02/13/20 04:38	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/13/20 04:38	4
Trichloroethene	**5.0**		4.0	1.8	ug/L			02/13/20 04:38	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			02/13/20 04:38	4
Vinyl chloride	ND		4.0	3.6	ug/L			02/13/20 04:38	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/13/20 04:38	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/13/20 04:38*	*4*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/13/20 04:38*	*4*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*02/13/20 04:38*	*4*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*02/13/20 04:38*	*4*

Client Sample ID: EFFLUENT
Lab Sample ID: 480-166129-5

Date Collected: 02/07/20 13:00
Matrix: Water

Date Received: 02/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/13/20 05:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/13/20 05:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/13/20 05:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/13/20 05:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/13/20 05:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/13/20 05:02	1
1,2,4-Trichlorobenzene	ND	*	1.0	0.41	ug/L			02/13/20 05:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/13/20 05:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/13/20 05:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/13/20 05:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/13/20 05:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/13/20 05:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/13/20 05:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/13/20 05:02	1
2-Hexanone	ND		5.0	1.2	ug/L			02/13/20 05:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/13/20 05:02	1
Acetone	ND		10	3.0	ug/L			02/13/20 05:02	1
Benzene	ND		1.0	0.41	ug/L			02/13/20 05:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/13/20 05:02	1
Bromoform	ND		1.0	0.26	ug/L			02/13/20 05:02	1
Bromomethane	ND		1.0	0.69	ug/L			02/13/20 05:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/13/20 05:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/13/20 05:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/13/20 05:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/13/20 05:02	1
Chloroethane	ND		1.0	0.32	ug/L			02/13/20 05:02	1
Chloroform	**1.0**		1.0	0.34	ug/L			02/13/20 05:02	1
Chloromethane	ND		1.0	0.35	ug/L			02/13/20 05:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/13/20 05:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/13/20 05:02	1
Cyclohexane	ND		1.0	0.18	ug/L			02/13/20 05:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/13/20 05:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/13/20 05:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/13/20 05:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/13/20 05:02	1
Methyl acetate	ND		2.5	1.3	ug/L			02/13/20 05:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/13/20 05:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/13/20 05:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/13/20 05:02	1
Styrene	ND		1.0	0.73	ug/L			02/13/20 05:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/13/20 05:02	1
Toluene	ND		1.0	0.51	ug/L			02/13/20 05:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/13/20 05:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/13/20 05:02	1
Trichloroethene	ND		1.0	0.46	ug/L			02/13/20 05:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/13/20 05:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/13/20 05:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/13/20 05:02	1

Client: New York State D.E.C.
Job ID: 480-166129-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: EFFLUENT
Lab Sample ID: 480-166129-5
Date Collected: 02/07/20 13:00
Matrix: Water
Date Received: 02/08/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		02/13/20 05:02	1
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		02/13/20 05:02	1
4-Bromofluorobenzene (Surr)	95		73 - 120		02/13/20 05:02	1
Dibromofluoromethane (Surr)	94		75 - 123		02/13/20 05:02	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-166129-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-166129-1	RW-1	101	95	99	95
480-166129-2	RW-2	103	97	95	95
480-166129-3	RW-3	104	97	100	91
480-166129-4	DUP	101	101	96	98
480-166129-5	EFFLUENT	102	95	95	94
LCS 480-517279/6	Lab Control Sample	101	94	98	94
LCS 480-517370/5	Lab Control Sample	103	94	97	95
MB 480-517279/8	Method Blank	101	98	94	94
MB 480-517370/7	Method Blank	101	93	99	95

Surrogate Legend

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

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

Lab Sample ID: MB 480-517279/8
Matrix: Water
Analysis Batch: 517279

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/12/20 22:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/12/20 22:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/12/20 22:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/12/20 22:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/12/20 22:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/12/20 22:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/12/20 22:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/12/20 22:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/12/20 22:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/12/20 22:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/12/20 22:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/12/20 22:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/12/20 22:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/12/20 22:11	1
2-Hexanone	ND		5.0	1.2	ug/L			02/12/20 22:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/12/20 22:11	1
Acetone	ND		10	3.0	ug/L			02/12/20 22:11	1
Benzene	ND		1.0	0.41	ug/L			02/12/20 22:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/12/20 22:11	1
Bromoform	ND		1.0	0.26	ug/L			02/12/20 22:11	1
Bromomethane	ND		1.0	0.69	ug/L			02/12/20 22:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/12/20 22:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/12/20 22:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/12/20 22:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/12/20 22:11	1
Chloroethane	ND		1.0	0.32	ug/L			02/12/20 22:11	1
Chloroform	ND		1.0	0.34	ug/L			02/12/20 22:11	1
Chloromethane	ND		1.0	0.35	ug/L			02/12/20 22:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/12/20 22:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/12/20 22:11	1
Cyclohexane	ND		1.0	0.18	ug/L			02/12/20 22:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/12/20 22:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/12/20 22:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/12/20 22:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/12/20 22:11	1
Methyl acetate	ND		2.5	1.3	ug/L			02/12/20 22:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/12/20 22:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/12/20 22:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/12/20 22:11	1
Styrene	ND		1.0	0.73	ug/L			02/12/20 22:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/12/20 22:11	1
Toluene	ND		1.0	0.51	ug/L			02/12/20 22:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/12/20 22:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/12/20 22:11	1
Trichloroethene	ND		1.0	0.46	ug/L			02/12/20 22:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/12/20 22:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/12/20 22:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/12/20 22:11	1

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

Lab Sample ID: MB 480-517279/8
Matrix: Water
Analysis Batch: 517279

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/12/20 22:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/12/20 22:11*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*02/12/20 22:11*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*02/12/20 22:11*	*1*

Lab Sample ID: LCS 480-517279/6
Matrix: Water
Analysis Batch: 517279

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	21.0		ug/L		84	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.0		ug/L		112	76 - 120
1,1,2-Trichloroethane	25.0	25.3		ug/L		101	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.5		ug/L		86	61 - 148
1,1-Dichloroethane	25.0	22.3		ug/L		89	77 - 120
1,1-Dichloroethene	25.0	21.0		ug/L		84	66 - 127
1,2,4-Trichlorobenzene	25.0	19.3	*	ug/L		77	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.4		ug/L		93	56 - 134
1,2-Dichlorobenzene	25.0	23.5		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	22.0		ug/L		88	75 - 120
1,2-Dichloropropane	25.0	24.9		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 120
2-Butanone (MEK)	125	160		ug/L		128	57 - 140
2-Hexanone	125	158		ug/L		127	65 - 127
4-Methyl-2-pentanone (MIBK)	125	152		ug/L		122	71 - 125
Acetone	125	150		ug/L		120	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124
Bromodichloromethane	25.0	23.5		ug/L		94	80 - 122
Bromoform	25.0	22.9		ug/L		92	61 - 132
Bromomethane	25.0	22.5		ug/L		90	55 - 144
Carbon disulfide	25.0	18.8		ug/L		75	59 - 134
Carbon tetrachloride	25.0	21.5		ug/L		86	72 - 134
Chlorobenzene	25.0	23.4		ug/L		94	80 - 120
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125
Chloroethane	25.0	23.3		ug/L		93	69 - 136
Chloroform	25.0	22.1		ug/L		89	73 - 127
Chloromethane	25.0	25.3		ug/L		101	68 - 124
cis-1,2-Dichloroethene	25.0	23.1		ug/L		92	74 - 124
cis-1,3-Dichloropropene	25.0	25.6		ug/L		103	74 - 124
Cyclohexane	25.0	24.3		ug/L		97	59 - 135
Dichlorodifluoromethane	25.0	25.6		ug/L		103	59 - 135
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
1,2-Dibromoethane	25.0	26.4		ug/L		106	77 - 120
Isopropylbenzene	25.0	25.4		ug/L		102	77 - 122
Methyl acetate	50.0	59.5		ug/L		119	74 - 133
Methyl tert-butyl ether	25.0	23.9		ug/L		96	77 - 120
Methylcyclohexane	25.0	23.0		ug/L		92	68 - 134

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

Lab Sample ID: LCS 480-517279/6
Matrix: Water
Analysis Batch: 517279

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	23.0		ug/L		92	75 - 124
Styrene	25.0	24.4		ug/L		98	80 - 120
Tetrachloroethene	25.0	23.1		ug/L		93	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	21.2		ug/L		85	73 - 127
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	80 - 120
Trichloroethene	25.0	23.3		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	22.3		ug/L		89	62 - 150
Vinyl chloride	25.0	24.5		ug/L		98	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*75 - 123*

Lab Sample ID: MB 480-517370/7
Matrix: Water
Analysis Batch: 517370

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/13/20 10:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/13/20 10:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/13/20 10:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/13/20 10:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/13/20 10:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/13/20 10:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/13/20 10:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/13/20 10:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/13/20 10:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/13/20 10:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/13/20 10:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/13/20 10:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/13/20 10:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/13/20 10:53	1
2-Hexanone	ND		5.0	1.2	ug/L			02/13/20 10:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/13/20 10:53	1
Acetone	ND		10	3.0	ug/L			02/13/20 10:53	1
Benzene	ND		1.0	0.41	ug/L			02/13/20 10:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/13/20 10:53	1
Bromoform	ND		1.0	0.26	ug/L			02/13/20 10:53	1
Bromomethane	ND		1.0	0.69	ug/L			02/13/20 10:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/13/20 10:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/13/20 10:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/13/20 10:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/13/20 10:53	1
Chloroethane	ND		1.0	0.32	ug/L			02/13/20 10:53	1
Chloroform	ND		1.0	0.34	ug/L			02/13/20 10:53	1

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

Lab Sample ID: MB 480-517370/7
Matrix: Water
Analysis Batch: 517370

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			02/13/20 10:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/13/20 10:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/13/20 10:53	1
Cyclohexane	ND		1.0	0.18	ug/L			02/13/20 10:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/13/20 10:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/13/20 10:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/13/20 10:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/13/20 10:53	1
Methyl acetate	ND		2.5	1.3	ug/L			02/13/20 10:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/13/20 10:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/13/20 10:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/13/20 10:53	1
Styrene	ND		1.0	0.73	ug/L			02/13/20 10:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/13/20 10:53	1
Toluene	ND		1.0	0.51	ug/L			02/13/20 10:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/13/20 10:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/13/20 10:53	1
Trichloroethene	ND		1.0	0.46	ug/L			02/13/20 10:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/13/20 10:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/13/20 10:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/13/20 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/13/20 10:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*02/13/20 10:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/13/20 10:53*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*02/13/20 10:53*	*1*

Lab Sample ID: LCS 480-517370/5
Matrix: Water
Analysis Batch: 517370

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	20.1		ug/L		81	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	76 - 120
1,1,2-Trichloroethane	25.0	23.4		ug/L		93	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.2		ug/L		81	61 - 148
1,1-Dichloroethane	25.0	21.7		ug/L		87	77 - 120
1,1-Dichloroethene	25.0	21.4		ug/L		86	66 - 127
1,2,4-Trichlorobenzene	25.0	23.8		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.1		ug/L		84	56 - 134
1,2-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	19.4		ug/L		77	75 - 120
1,2-Dichloropropane	25.0	23.2		ug/L		93	76 - 120
1,3-Dichlorobenzene	25.0	22.8		ug/L		91	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Butanone (MEK)	125	100		ug/L		80	57 - 140
2-Hexanone	125	109		ug/L		87	65 - 127

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

Lab Sample ID: LCS 480-517370/5
Matrix: Water
Analysis Batch: 517370

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	125	108		ug/L		86	71 - 125
Acetone	125	94.5		ug/L		76	56 - 142
Benzene	25.0	22.4		ug/L		90	71 - 124
Bromodichloromethane	25.0	21.1		ug/L		85	80 - 122
Bromoform	25.0	21.5		ug/L		86	61 - 132
Bromomethane	25.0	19.9		ug/L		79	55 - 144
Carbon disulfide	25.0	22.3		ug/L		89	59 - 134
Carbon tetrachloride	25.0	19.6		ug/L		78	72 - 134
Chlorobenzene	25.0	22.5		ug/L		90	80 - 120
Dibromochloromethane	25.0	21.7		ug/L		87	75 - 125
Chloroethane	25.0	17.8		ug/L		71	69 - 136
Chloroform	25.0	20.4		ug/L		82	73 - 127
Chloromethane	25.0	19.0		ug/L		76	68 - 124
cis-1,2-Dichloroethene	25.0	22.1		ug/L		89	74 - 124
cis-1,3-Dichloropropene	25.0	22.9		ug/L		91	74 - 124
Cyclohexane	25.0	21.0		ug/L		84	59 - 135
Dichlorodifluoromethane	25.0	17.6		ug/L		70	59 - 135
Ethylbenzene	25.0	22.3		ug/L		89	77 - 123
1,2-Dibromoethane	25.0	22.6		ug/L		91	77 - 120
Isopropylbenzene	25.0	23.0		ug/L		92	77 - 122
Methyl acetate	50.0	41.8		ug/L		84	74 - 133
Methyl tert-butyl ether	25.0	21.8		ug/L		87	77 - 120
Methylcyclohexane	25.0	21.1		ug/L		84	68 - 134
Methylene Chloride	25.0	23.4		ug/L		94	75 - 124
Styrene	25.0	22.5		ug/L		90	80 - 120
Tetrachloroethene	25.0	21.5		ug/L		86	74 - 122
Toluene	25.0	22.5		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	21.6		ug/L		87	73 - 127
trans-1,3-Dichloropropene	25.0	23.1		ug/L		92	80 - 120
Trichloroethene	25.0	21.3		ug/L		85	74 - 123
Trichlorofluoromethane	25.0	17.6		ug/L		70	62 - 150
Vinyl chloride	25.0	19.7		ug/L		79	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*

Method: SM 5310C - TOC

Lab Sample ID: MB 480-517531/4
Matrix: Water
Analysis Batch: 517531

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			02/12/20 17:03	1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: LCS 480-517531/5
Matrix: Water
Analysis Batch: 517531

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			60.0	57.94		mg/L		97	90 - 110		

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-166129-1

GC/MS VOA

Analysis Batch: 517279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166129-2	RW-2	Total/NA	Water	8260C	
480-166129-3	RW-3	Total/NA	Water	8260C	
480-166129-4	DUP	Total/NA	Water	8260C	
480-166129-5	EFFLUENT	Total/NA	Water	8260C	
MB 480-517279/8	Method Blank	Total/NA	Water	8260C	
LCS 480-517279/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 517370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166129-1	RW-1	Total/NA	Water	8260C	
MB 480-517370/7	Method Blank	Total/NA	Water	8260C	
LCS 480-517370/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 517531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166129-1	RW-1	Total/NA	Water	SM 5310C	
480-166129-2	RW-2	Total/NA	Water	SM 5310C	
MB 480-517531/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-517531/5	Lab Control Sample	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-166129-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-166129-1
Date Collected: 02/07/20 13:03
Matrix: Water
Date Received: 02/08/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	517370	02/13/20 12:59	LCH	TAL BUF
Total/NA	Analysis	SM 5310C		1	517531	02/12/20 22:09	CLA	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-166129-2
Date Collected: 02/07/20 13:05
Matrix: Water
Date Received: 02/08/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	517279	02/13/20 03:49	CRL	TAL BUF
Total/NA	Analysis	SM 5310C		1	517531	02/12/20 22:24	CLA	TAL BUF

Client Sample ID: RW-3
Lab Sample ID: 480-166129-3
Date Collected: 02/07/20 13:08
Matrix: Water
Date Received: 02/08/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	517279	02/13/20 04:13	CRL	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-166129-4
Date Collected: 02/07/20 13:10
Matrix: Water
Date Received: 02/08/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	517279	02/13/20 04:38	CRL	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-166129-5
Date Collected: 02/07/20 13:00
Matrix: Water
Date Received: 02/08/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	517279	02/13/20 05:02	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C. Job ID: 480-166129-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
RW-1	480-166129-1	95	95	101	99
RW-2	480-166129-2	95	97	103	95
RW-3	480-166129-3	91	97	104	100
DUP	480-166129-4	98	101	101	96
EFFLUENT	480-166129-5	94	95	102	95
	MB 480-517279/8	94	98	101	94
	MB 480-517370/7	95	93	101	99
	LCS 480-517279/6	94	94	101	98
	LCS 480-517370/5	95	94	103	97

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

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N1589.D

Lab ID: LCS 480-517279/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	21.0	84	73-126	
1,1,2,2-Tetrachloroethane	25.0	28.0	112	76-120	
1,1,2-Trichloroethane	25.0	25.3	101	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.5	86	61-148	
1,1-Dichloroethane	25.0	22.3	89	77-120	
1,1-Dichloroethene	25.0	21.0	84	66-127	
1,2,4-Trichlorobenzene	25.0	19.3	77	79-122	*
1,2-Dibromo-3-Chloropropane	25.0	23.4	93	56-134	
1,2-Dichlorobenzene	25.0	23.5	94	80-124	
1,2-Dichloroethane	25.0	22.0	88	75-120	
1,2-Dichloropropane	25.0	24.9	99	76-120	
1,3-Dichlorobenzene	25.0	25.5	102	77-120	
1,4-Dichlorobenzene	25.0	24.1	96	80-120	
2-Butanone (MEK)	125	160	128	57-140	
2-Hexanone	125	158	127	65-127	
4-Methyl-2-pentanone (MIBK)	125	152	122	71-125	
Acetone	125	150	120	56-142	
Benzene	25.0	23.6	94	71-124	
Bromodichloromethane	25.0	23.5	94	80-122	
Bromoform	25.0	22.9	92	61-132	
Bromomethane	25.0	22.5	90	55-144	
Carbon disulfide	25.0	18.8	75	59-134	
Carbon tetrachloride	25.0	21.5	86	72-134	
Chlorobenzene	25.0	23.4	94	80-120	
Dibromochloromethane	25.0	25.0	100	75-125	
Chloroethane	25.0	23.3	93	69-136	
Chloroform	25.0	22.1	89	73-127	
Chloromethane	25.0	25.3	101	68-124	
cis-1,2-Dichloroethene	25.0	23.1	92	74-124	
cis-1,3-Dichloropropene	25.0	25.6	103	74-124	
Cyclohexane	25.0	24.3	97	59-135	
Dichlorodifluoromethane	25.0	25.6	103	59-135	
Ethylbenzene	25.0	23.2	93	77-123	
1,2-Dibromoethane	25.0	26.4	106	77-120	
Isopropylbenzene	25.0	25.4	102	77-122	
Methyl acetate	50.0	59.5	119	74-133	
Methyl tert-butyl ether	25.0	23.9	96	77-120	
Methylcyclohexane	25.0	23.0	92	68-134	
Methylene Chloride	25.0	23.0	92	75-124	
Styrene	25.0	24.4	98	80-120	
Tetrachloroethene	25.0	23.1	93	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N1589.D

Lab ID: LCS 480-517279/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.3	97	80-122	
trans-1,2-Dichloroethene	25.0	21.2	85	73-127	
trans-1,3-Dichloropropene	25.0	25.0	100	80-120	
Trichloroethene	25.0	23.3	93	74-123	
Trichlorofluoromethane	25.0	22.3	89	62-150	
Vinyl chloride	25.0	24.5	98	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D28739.D

Lab ID: LCS 480-517370/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	20.1	81	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.2	97	76-120	
1,1,2-Trichloroethane	25.0	23.4	93	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.2	81	61-148	
1,1-Dichloroethane	25.0	21.7	87	77-120	
1,1-Dichloroethene	25.0	21.4	86	66-127	
1,2,4-Trichlorobenzene	25.0	23.8	95	79-122	
1,2-Dibromo-3-Chloropropane	25.0	21.1	84	56-134	
1,2-Dichlorobenzene	25.0	23.3	93	80-124	
1,2-Dichloroethane	25.0	19.4	77	75-120	
1,2-Dichloropropane	25.0	23.2	93	76-120	
1,3-Dichlorobenzene	25.0	22.8	91	77-120	
1,4-Dichlorobenzene	25.0	22.7	91	80-120	
2-Butanone (MEK)	125	100	80	57-140	
2-Hexanone	125	109	87	65-127	
4-Methyl-2-pentanone (MIBK)	125	108	86	71-125	
Acetone	125	94.5	76	56-142	
Benzene	25.0	22.4	90	71-124	
Bromodichloromethane	25.0	21.1	85	80-122	
Bromoform	25.0	21.5	86	61-132	
Bromomethane	25.0	19.9	79	55-144	
Carbon disulfide	25.0	22.3	89	59-134	
Carbon tetrachloride	25.0	19.6	78	72-134	
Chlorobenzene	25.0	22.5	90	80-120	
Dibromochloromethane	25.0	21.7	87	75-125	
Chloroethane	25.0	17.8	71	69-136	
Chloroform	25.0	20.4	82	73-127	
Chloromethane	25.0	19.0	76	68-124	
cis-1,2-Dichloroethene	25.0	22.1	89	74-124	
cis-1,3-Dichloropropene	25.0	22.9	91	74-124	
Cyclohexane	25.0	21.0	84	59-135	
Dichlorodifluoromethane	25.0	17.6	70	59-135	
Ethylbenzene	25.0	22.3	89	77-123	
1,2-Dibromoethane	25.0	22.6	91	77-120	
Isopropylbenzene	25.0	23.0	92	77-122	
Methyl acetate	50.0	41.8	84	74-133	
Methyl tert-butyl ether	25.0	21.8	87	77-120	
Methylcyclohexane	25.0	21.1	84	68-134	
Methylene Chloride	25.0	23.4	94	75-124	
Styrene	25.0	22.5	90	80-120	
Tetrachloroethene	25.0	21.5	86	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D28739.D

Lab ID: LCS 480-517370/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	22.5	90	80-122	
trans-1,2-Dichloroethene	25.0	21.6	87	73-127	
trans-1,3-Dichloropropene	25.0	23.1	92	80-120	
Trichloroethene	25.0	21.3	85	74-123	
Trichlorofluoromethane	25.0	17.6	70	62-150	
Vinyl chloride	25.0	19.7	79	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab File ID: N1591.D Lab Sample ID: MB 480-517279/8

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

Instrument ID: HP5973N Date Analyzed: 02/12/2020 22:11

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-517279/6	N1589.D	02/12/2020 21:23
RW-2	480-166129-2	N1605.D	02/13/2020 03:49
RW-3	480-166129-3	N1606.D	02/13/2020 04:13
DUP	480-166129-4	N1607.D	02/13/2020 04:38
EFFLUENT	480-166129-5	N1608.D	02/13/2020 05:02

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab File ID: D28741.D Lab Sample ID: MB 480-517370/7

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

Instrument ID: HP5975D Date Analyzed: 02/13/2020 10:53

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-517370/5	D28739.D	02/13/2020 10:07
RW-1	480-166129-1	D28746.D	02/13/2020 12:59

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab File ID: N0800.D BFB Injection Date: 01/20/2020

Instrument ID: HP5973N BFB Injection Time: 16:45

Analysis Batch No.: 514164

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	29.3
75	30.0 - 60.0 % of mass 95	47.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	5.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	88.3
175	5.0 - 9.0 % of mass 174	7.0 (8.0) 1
176	95.0 - 101.0 % of mass 174	88.6 (100.4) 1
177	5.0 - 9.0 % of mass 176	5.8 (6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-514164/6	N0802.D	01/20/2020	17:59
	IC 480-514164/7	N0803.D	01/20/2020	18:23
	IC 480-514164/8	N0804.D	01/20/2020	18:48
	IC 480-514164/9	N0805.D	01/20/2020	19:12
	IC 480-514164/10	N0806.D	01/20/2020	19:37
	ICIS 480-514164/11	N0807.D	01/20/2020	20:01
	IC 480-514164/12	N0808.D	01/20/2020	20:25
	IC 480-514164/13	N0809.D	01/20/2020	20:49
	ICV 480-514164/27	N0823.D	01/21/2020	02:27

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab File ID: N1585.D BFB Injection Date: 02/12/2020

Instrument ID: HP5973N BFB Injection Time: 19:46

Analysis Batch No.: 517279

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	28.1
75	30.0 - 60.0 % of mass 95	52.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.4 (0.4) 1
174	50.0 - 120.00 % of mass 95	93.1
175	5.0 - 9.0 % of mass 174	6.9 (7.4) 1
176	95.0 - 101.0 % of mass 174	93.6 (100.5) 1
177	5.0 - 9.0 % of mass 176	6.0 (6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-517279/4	N1587.D	02/12/2020	20:35
	LCS 480-517279/6	N1589.D	02/12/2020	21:23
	MB 480-517279/8	N1591.D	02/12/2020	22:11
RW-2	480-166129-2	N1605.D	02/13/2020	03:49
RW-3	480-166129-3	N1606.D	02/13/2020	04:13
DUP	480-166129-4	N1607.D	02/13/2020	04:38
EFFLUENT	480-166129-5	N1608.D	02/13/2020	05:02

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab File ID: D2180.D BFB Injection Date: 01/20/2020

Instrument ID: HP5975D BFB Injection Time: 13:36

Analysis Batch No.: 514167

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.8	
75	30.0 - 60.0 % of mass 95	46.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	50.0 - 120.00 % of mass 95	88.1	
175	5.0 - 9.0 % of mass 174	6.7	(7.6) 1
176	95.0 - 101.0 % of mass 174	86.7	(98.4) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-514167/7	D2183.D	01/20/2020	14:46
	IC 480-514167/8	D2184.D	01/20/2020	15:08
	IC 480-514167/9	D2185.D	01/20/2020	15:31
	IC 480-514167/10	D2186.D	01/20/2020	15:55
	IC 480-514167/11	D2187.D	01/20/2020	16:18
	ICIS 480-514167/12	D2188.D	01/20/2020	16:41
	IC 480-514167/13	D2189.D	01/20/2020	17:04
	IC 480-514167/14	D2190.D	01/20/2020	17:27
	ICV 480-514167/28	D2204.D	01/20/2020	22:49

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab File ID: D28736.D BFB Injection Date: 02/13/2020

Instrument ID: HP5975D BFB Injection Time: 08:57

Analysis Batch No.: 517370

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.2	
75	30.0 - 60.0 % of mass 95	42.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	89.9	
175	5.0 - 9.0 % of mass 174	6.7	(7.4) 1
176	95.0 - 101.0 % of mass 174	88.0	(98.0) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-517370/3	D28737.D	02/13/2020	09:21
	LCS 480-517370/5	D28739.D	02/13/2020	10:07
	MB 480-517370/7	D28741.D	02/13/2020	10:53
RW-1	480-166129-1	D28746.D	02/13/2020	12:59

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Sample No.: ICIS 480-514164/11 Date Analyzed: 01/20/2020 20:01

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N0807.D Heated Purge: (Y/N) N

Calibration ID: 38511

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		175794	5.37	651696	8.36	363845	10.76
UPPER LIMIT		351588	5.87	1303392	8.86	727690	11.26
LOWER LIMIT		87897	4.87	325848	7.86	181923	10.26
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-514164/27		165918	5.37	623690	8.36	346822	10.76
CCVIS 480-517279/4		209007	5.37	772782	8.37	415833	10.76

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Sample No.: CCVIS 480-517279/4 Date Analyzed: 02/12/2020 20:35

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N1587.D Heated Purge: (Y/N) N

Calibration ID: 38509

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		209007	5.37	772782	8.37	415833	10.76
UPPER LIMIT		418014	5.87	1545564	8.87	831666	11.26
LOWER LIMIT		104504	4.87	386391	7.87	207917	10.26
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-517279/6		210398	5.37	779716	8.37	392491	10.76
MB 480-517279/8		194322	5.37	701489	8.37	366172	10.76
480-166129-2	RW-2	193460	5.37	692044	8.36	349915	10.76
480-166129-3	RW-3	195113	5.37	676889	8.36	354318	10.76
480-166129-4	DUP	187773	5.37	684455	8.36	348445	10.76
480-166129-5	EFFLUENT	193513	5.37	685984	8.36	344660	10.76

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Sample No.: ICIS 480-514167/12 Date Analyzed: 01/20/2020 16:41

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

Lab File ID (Standard): D2188.D Heated Purge: (Y/N) N

Calibration ID: 38513

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		148766	5.50	323143	7.89	358318	9.82
UPPER LIMIT		297532	6.00	646286	8.39	716636	10.32
LOWER LIMIT		74383	5.00	161572	7.39	179159	9.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-514167/28		148952	5.50	320243	7.89	362167	9.81
CCVIS 480-517370/3		148933	5.53	321343	7.91	344105	9.84

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Sample No.: CCVIS 480-517370/3 Date Analyzed: 02/13/2020 09:21

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

Lab File ID (Standard): D28737.D Heated Purge: (Y/N) N

Calibration ID: 38516

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		148933	5.53	321343	7.91	344105	9.84
UPPER LIMIT		297866	6.03	642686	8.41	688210	10.34
LOWER LIMIT		74467	5.03	160672	7.41	172053	9.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-517370/5		153210	5.53	327510	7.91	352922	9.84
MB 480-517370/7		153973	5.53	334029	7.91	368513	9.84
480-166129-1	RW-1	154360	5.53	335104	7.91	368801	9.84

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: RW-1 Lab Sample ID: 480-166129-1

Matrix: Water Lab File ID: D28746.D

Analysis Method: 8260C Date Collected: 02/07/2020 13:03

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 12:59

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517370 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	94		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: RW-1 Lab Sample ID: 480-166129-1

Matrix: Water Lab File ID: D28746.D

Analysis Method: 8260C Date Collected: 02/07/2020 13:03

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 12:59

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517370 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	7.2		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	12		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	39		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28746.D
Lims ID: 480-166129-B-1
Client ID: RW-1
Sample Type: Client
Inject. Date: 13-Feb-2020 12:59:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 480-166129-B-1
Misc. Info.: 480-0088144-012
Operator ID: OI Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Feb-2020 16:17:08 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: HillL Date: 13-Feb-2020 16:17:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.526	5.526	0.000	99	154360	25.0	
* 2 Chlorobenzene-d5	82	7.909	7.909	0.000	85	335104	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	0.000	95	368801	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.038	5.038	0.000	93	239018	23.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.306	5.306	0.000	98	125213	23.7	
$ 5 Toluene-d8 (Surr)	98	6.739	6.739	0.000	93	792246	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	8.872	8.872	0.000	94	278192	24.7	
10 Dichlorodifluoromethane	85		1.514				ND	
12 Chloromethane	50		1.733				ND	U
13 Vinyl chloride	62	1.856	1.855	0.001	98	217676	19.5	
14 Bromomethane	94		2.215				ND	U
15 Chloroethane	64		2.300				ND	
17 Trichlorofluoromethane	101		2.557				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.056				ND	
22 1,1-Dichloroethene	96	3.087	3.069	0.018	91	1788	0.2343	
23 Acetone	43		3.178				ND	
26 Carbon disulfide	76		3.276				ND	U
27 Methyl acetate	43		3.459				ND	
30 Methylene Chloride	84		3.562				ND	
32 Methyl tert-butyl ether	73		3.745				ND	
34 trans-1,2-Dichloroethene	96	3.770	3.770	0.000	95	2678	0.3035	
39 1,1-Dichloroethane	63		4.154				ND	
45 cis-1,2-Dichloroethene	96	4.642	4.641	0.001	80	464709	46.8	
43 2-Butanone (MEK)	43		4.666				ND	
50 Chloroform	83	4.910	4.904	0.006	82	2289	0.1330	
51 1,1,1-Trichloroethane	97		5.007				ND	
52 Cyclohexane	56		5.013				ND	
55 Carbon tetrachloride	117		5.123				ND	
57 Benzene	78		5.306				ND	
58 1,2-Dichloroethane	62		5.367				ND	
62 Trichloroethene	95	5.806	5.806	0.000	97	57948	6.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.903				ND	
65 1,2-Dichloropropane	63		6.007				ND	
68 Dichlorobromomethane	83		6.233				ND	
72 cis-1,3-Dichloropropene	75		6.562				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.659				ND	
74 Toluene	92		6.793				ND	
77 trans-1,3-Dichloropropene	75		7.001				ND	
79 1,1,2-Trichloroethane	83		7.159				ND	
81 Tetrachloroethene	166	7.214	7.214	0.000	97	36674	3.60	
80 2-Hexanone	43		7.312				ND	
83 Chlorodibromomethane	129		7.482				ND	
84 Ethylene Dibromide	107		7.580				ND	
87 Chlorobenzene	112		7.934				ND	
88 Ethylbenzene	91		7.982				ND	
90 m-Xylene & p-Xylene	106		8.074				ND	
91 o-Xylene	106		8.409				ND	
92 Styrene	104		8.433				ND	
95 Bromoform	173		8.653				ND	
94 Isopropylbenzene	105		8.696				ND	
97 1,1,2,2-Tetrachloroethane	83		9.013				ND	
111 1,3-Dichlorobenzene	146		9.781				ND	
113 1,4-Dichlorobenzene	146		9.860				ND	
116 1,2-Dichlorobenzene	146		10.189				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.878				ND	
119 1,2,4-Trichlorobenzene	180		11.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00010 Amount Added: 1.00 Units: uL Run Reagent

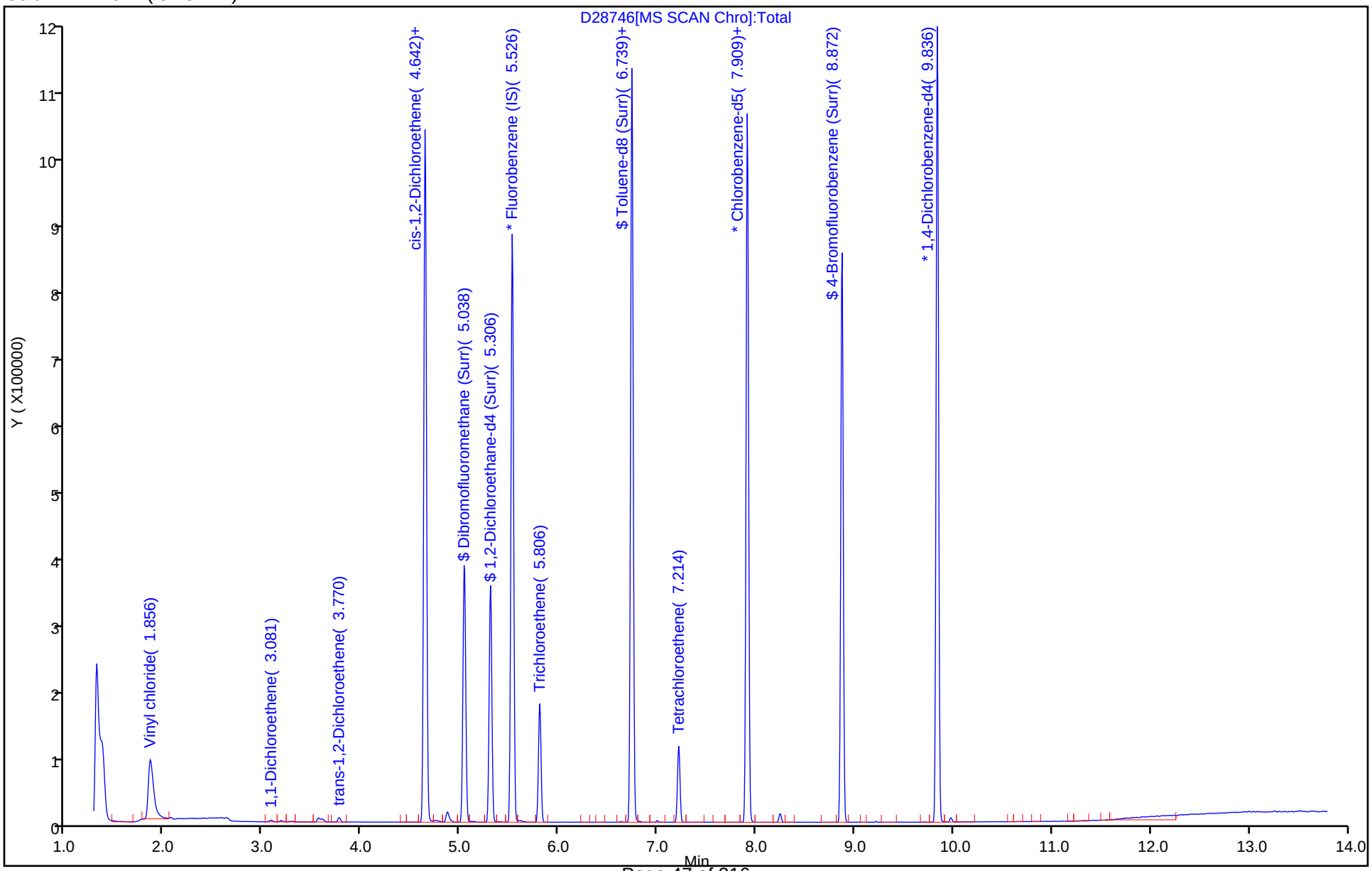
Report Date: 13-Feb-2020 16:17:09 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28746.D

Injection Date:	13-Feb-2020 12:59:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-166129-B-1	Lab Sample ID:	480-166129-1	Worklist Smp#:	12
Client ID:	RW-1				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	12
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



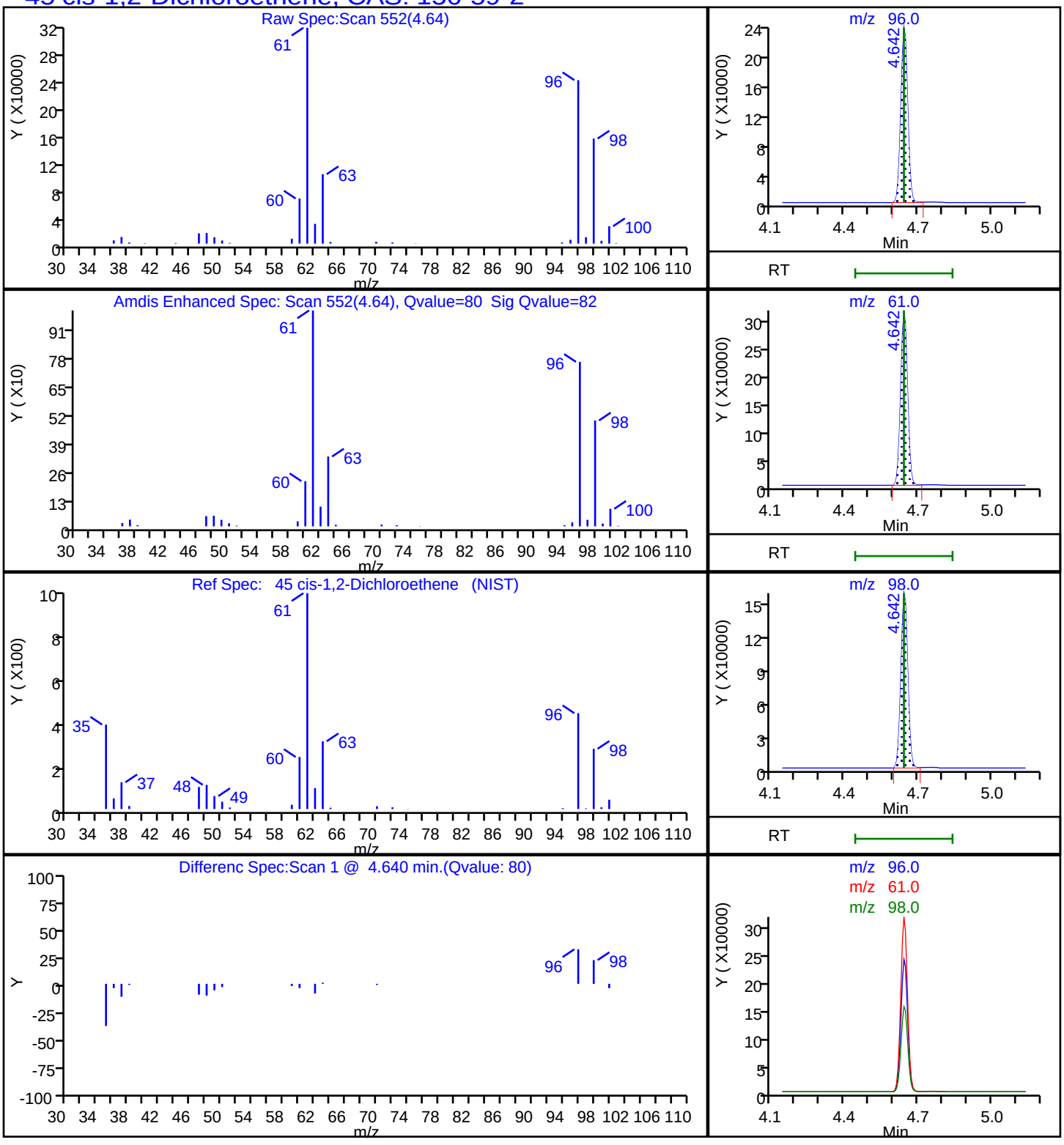
Report Date: 13-Feb-2020 16:17:09 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28746.D

Injection Date:	13-Feb-2020 12:59:30	Instrument ID:	HP5975D		
Lims ID:	480-166129-B-1	Lab Sample ID:	480-166129-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

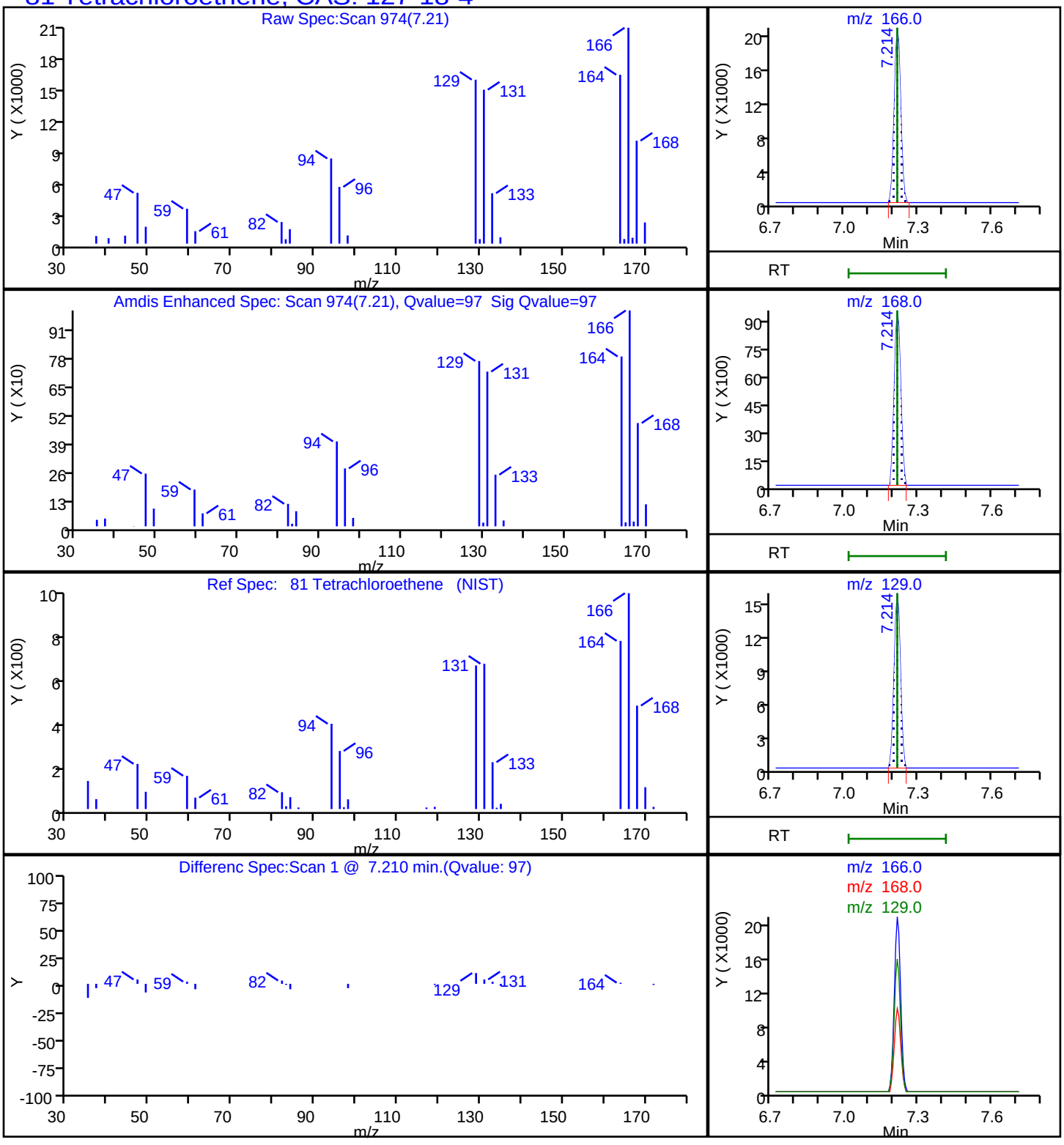


Report Date: 13-Feb-2020 16:17:09 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28746.D				
Injection Date:	13-Feb-2020 12:59:30	Instrument ID:	HP5975D		
Lims ID:	480-166129-B-1	Lab Sample ID:	480-166129-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4



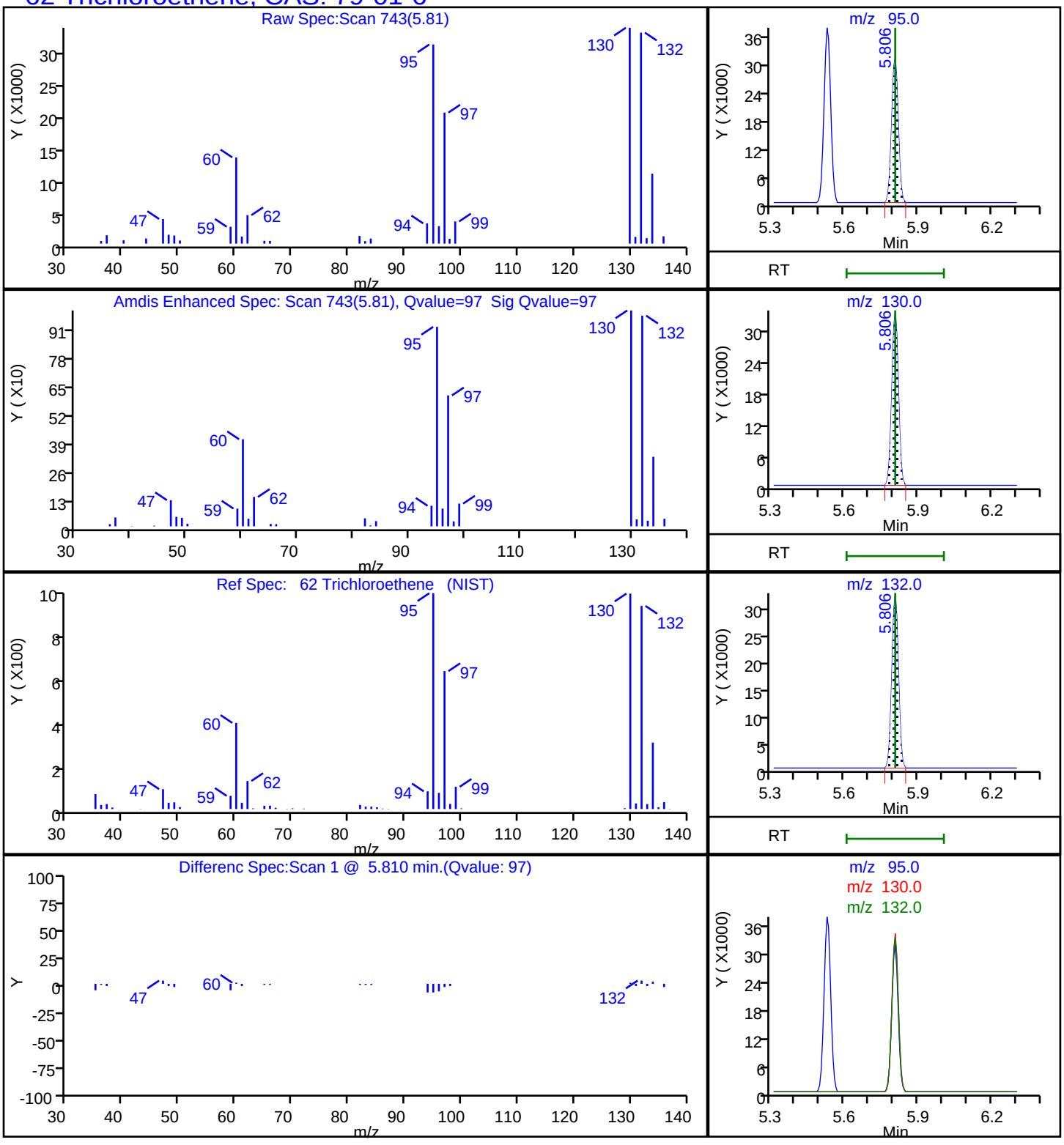
Report Date: 13-Feb-2020 16:17:09 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28746.D

Injection Date:	13-Feb-2020 12:59:30	Instrument ID:	HP5975D
Lims ID:	480-166129-B-1	Lab Sample ID:	480-166129-1
Client ID:	RW-1		
Operator ID:	OI	ALS Bottle#:	12 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6

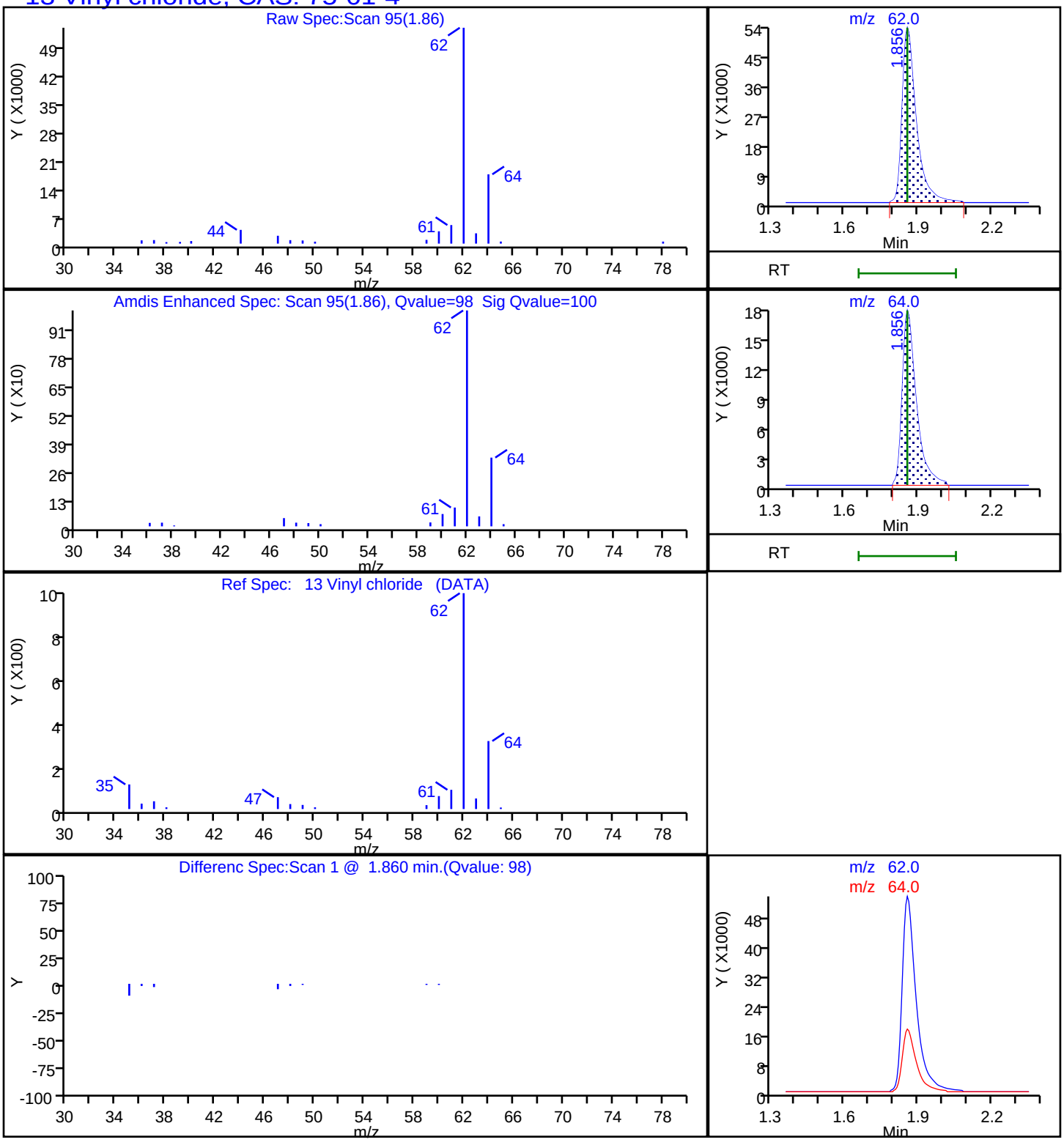


Report Date: 13-Feb-2020 16:17:09 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28746.D				
Injection Date:	13-Feb-2020 12:59:30	Instrument ID:	HP5975D		
Lims ID:	480-166129-B-1	Lab Sample ID:	480-166129-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4



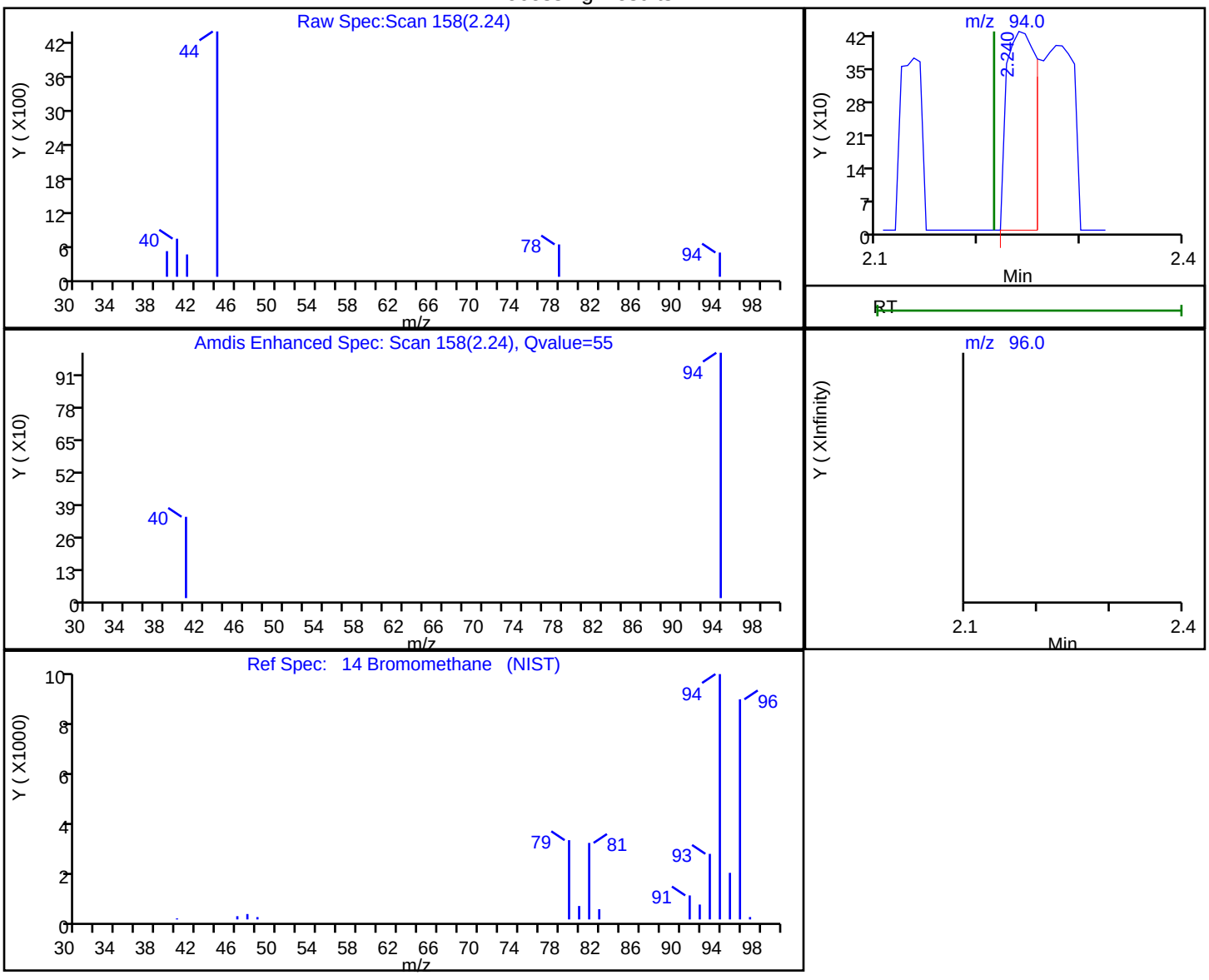
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28746.D				
Injection Date:	13-Feb-2020 12:59:30	Instrument ID:	HP5975D		
Lims ID:	480-166129-B-1	Lab Sample ID:	480-166129-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.24	94.00	865	0.108118
2.22	96.00	0	

Reviewer: HillL, 13-Feb-2020 16:16:47

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

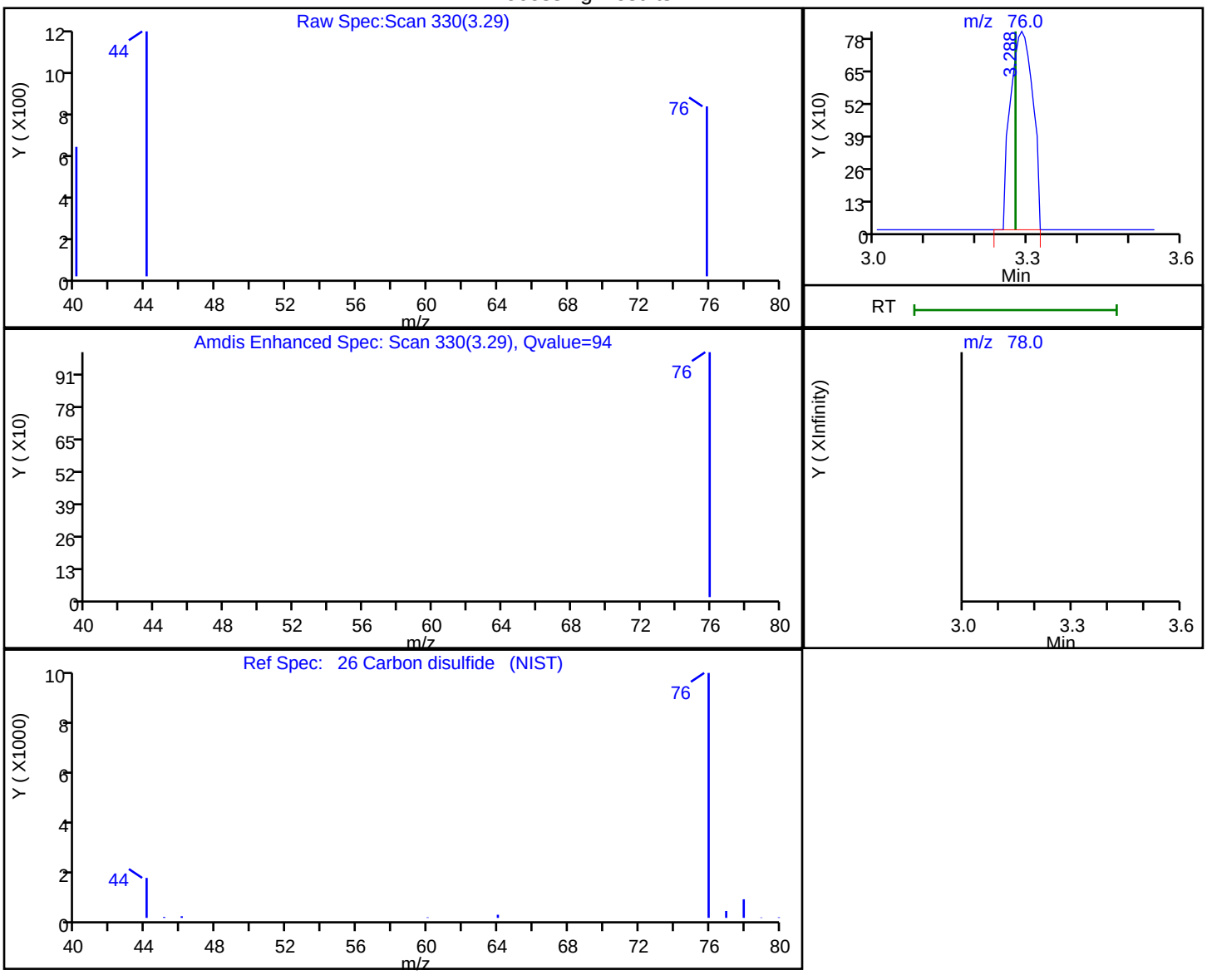
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28746.D				
Injection Date:	13-Feb-2020 12:59:30	Instrument ID:	HP5975D		
Lims ID:	480-166129-B-1	Lab Sample ID:	480-166129-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.29	76.00	2449	0.092809
3.28	78.00	0	

Reviewer: HillL, 13-Feb-2020 16:16:53

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

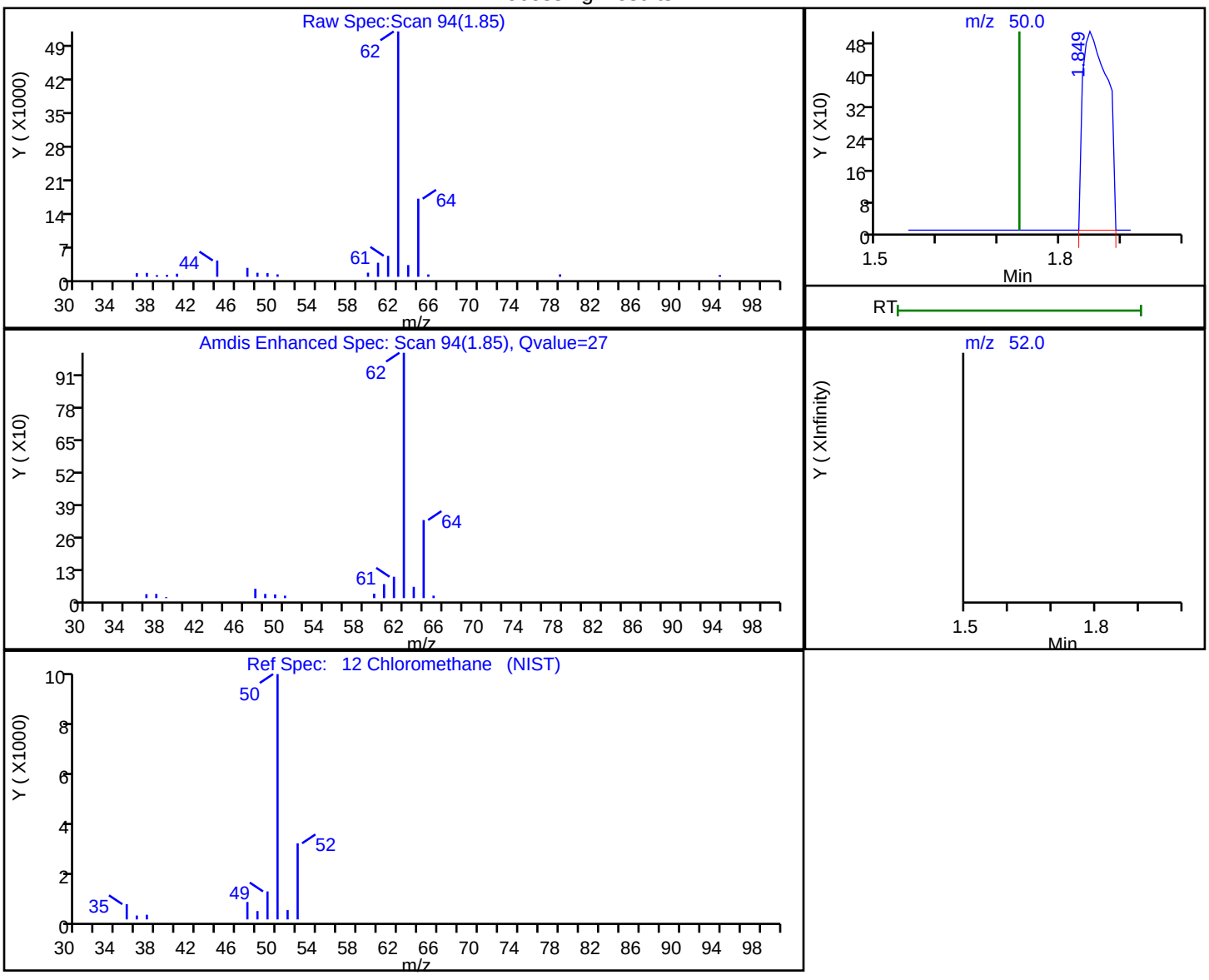
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28746.D				
Injection Date:	13-Feb-2020 12:59:30	Instrument ID:	HP5975D		
Lims ID:	480-166129-B-1	Lab Sample ID:	480-166129-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.85	50.00	1426	0.104018
1.73	52.00	0	

Reviewer: HillL, 13-Feb-2020 16:16:45

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: RW-2 Lab Sample ID: 480-166129-2

Matrix: Water Lab File ID: N1605.D

Analysis Method: 8260C Date Collected: 02/07/2020 13:05

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 03:49

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
75-34-3	1,1-Dichloroethane	ND		5.0	1.9
75-35-4	1,1-Dichloroethene	ND		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.0	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.0
95-50-1	1,2-Dichlorobenzene	ND		5.0	4.0
107-06-2	1,2-Dichloroethane	ND		5.0	1.1
78-87-5	1,2-Dichloropropane	ND		5.0	3.6
541-73-1	1,3-Dichlorobenzene	ND		5.0	3.9
106-46-7	1,4-Dichlorobenzene	ND		5.0	4.2
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		5.0	2.0
75-25-2	Bromoform	ND		5.0	1.3
74-83-9	Bromomethane	ND		5.0	3.5
75-15-0	Carbon disulfide	ND		5.0	0.95
56-23-5	Carbon tetrachloride	ND		5.0	1.4
108-90-7	Chlorobenzene	ND		5.0	3.8
124-48-1	Dibromochloromethane	ND		5.0	1.6
75-00-3	Chloroethane	ND		5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	17		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4
100-41-4	Ethylbenzene	ND		5.0	3.7
106-93-4	1,2-Dibromoethane	ND		5.0	3.7
98-82-8	Isopropylbenzene	ND		5.0	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: RW-2 Lab Sample ID: 480-166129-2

Matrix: Water Lab File ID: N1605.D

Analysis Method: 8260C Date Collected: 02/07/2020 13:05

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 03:49

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		13	6.5
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.80
108-87-2	Methylcyclohexane	ND		5.0	0.80
75-09-2	Methylene Chloride	ND		5.0	2.2
100-42-5	Styrene	ND		5.0	3.7
127-18-4	Tetrachloroethene	110		5.0	1.8
108-88-3	Toluene	ND		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	ND		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	1.9
79-01-6	Trichloroethene	5.3		5.0	2.3
75-69-4	Trichlorofluoromethane	ND		5.0	4.4
75-01-4	Vinyl chloride	ND		5.0	4.5
1330-20-7	Xylenes, Total	ND		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1605.D
Lims ID: 480-166129-A-2
Client ID: RW-2
Sample Type: Client
Inject. Date: 13-Feb-2020 03:49:30 ALS Bottle#: 42 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 480-166129-A-2
Misc. Info.: 480-0088134-022
Operator ID: AM Instrument ID: HP5973N

Method: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Feb-2020 10:17:41 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 13-Feb-2020 10:17:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	98	193460	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	90	692044	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	96	349915	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	93	240018	23.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	98	339515	24.2	
$ 6 Toluene-d8 (Surr)	98	6.876	6.875	0.001	96	901413	25.6	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	89	275239	23.6	
11 Dichlorodifluoromethane	85		1.254				ND	
13 Chloromethane	50		1.431				ND	
14 Vinyl chloride	62		1.522				ND	Ua
15 Bromomethane	94		1.808				ND	
16 Chloroethane	64		1.899				ND	
18 Trichlorofluoromethane	101		2.112				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.599				ND	
22 1,1-Dichloroethene	96		2.605				ND	
23 Acetone	43		2.733				ND	MUa
25 Carbon disulfide	76		2.793				ND	
28 Methyl acetate	43		3.025				ND	
30 Methylene Chloride	84	3.122	3.116	0.006	90	10997	0.3135	
32 Methyl tert-butyl ether	73		3.329				ND	
33 trans-1,2-Dichloroethene	96		3.341				ND	
36 1,1-Dichloroethane	63		3.761				ND	
43 cis-1,2-Dichloroethene	96	4.314	4.319	-0.006	86	38036	3.33	
44 2-Butanone (MEK)	43		4.357				ND	
50 Chloroform	83	4.625	4.625	-0.006	44	3480	0.1780	
51 1,1,1-Trichloroethane	97		4.740				ND	
52 Cyclohexane	56		4.740				ND	
53 Carbon tetrachloride	117		4.874				ND	
55 Benzene	78		5.093				ND	
57 1,2-Dichloroethane	62		5.166				ND	
60 Trichloroethene	95	5.701	5.701	-0.006	93	11546	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.823				ND	
63 1,2-Dichloropropane	63		5.951				ND	
67 Dichlorobromomethane	83		6.243				ND	
71 cis-1,3-Dichloropropene	75		6.656				ND	
72 4-Methyl-2-pentanone (MIBK	58		6.802				ND	U
73 Toluene	92		6.942				ND	
75 trans-1,3-Dichloropropene	75		7.228				ND	
78 1,1,2-Trichloroethane	83		7.417				ND	U
79 Tetrachloroethene	166	7.472	7.472	0.000	96	253311	22.6	
82 2-Hexanone	43		7.648				ND	
83 Chlorodibromomethane	129		7.812				ND	
84 Ethylene Dibromide	107		7.916				ND	
85 Chlorobenzene	112		8.390				ND	
88 Ethylbenzene	91		8.481				ND	
90 m-Xylene & p-Xylene	106		8.609				ND	
91 o-Xylene	106		9.035				ND	
92 Styrene	104		9.066				ND	
93 Bromoform	173		9.321				ND	
95 Isopropylbenzene	105		9.418				ND	
98 1,1,2,2-Tetrachloroethane	83		9.832				ND	
110 1,3-Dichlorobenzene	146		10.696				ND	
113 1,4-Dichlorobenzene	146		10.787				ND	
116 1,2-Dichlorobenzene	146		11.140				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.876				ND	
119 1,2,4-Trichlorobenzene	180		12.551				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated
U - Marked Undetected
a - User Assigned ID

Reagents:

N 8260 IS_00184	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00393	Amount Added:	1.00	Units: uL	Run Reagent

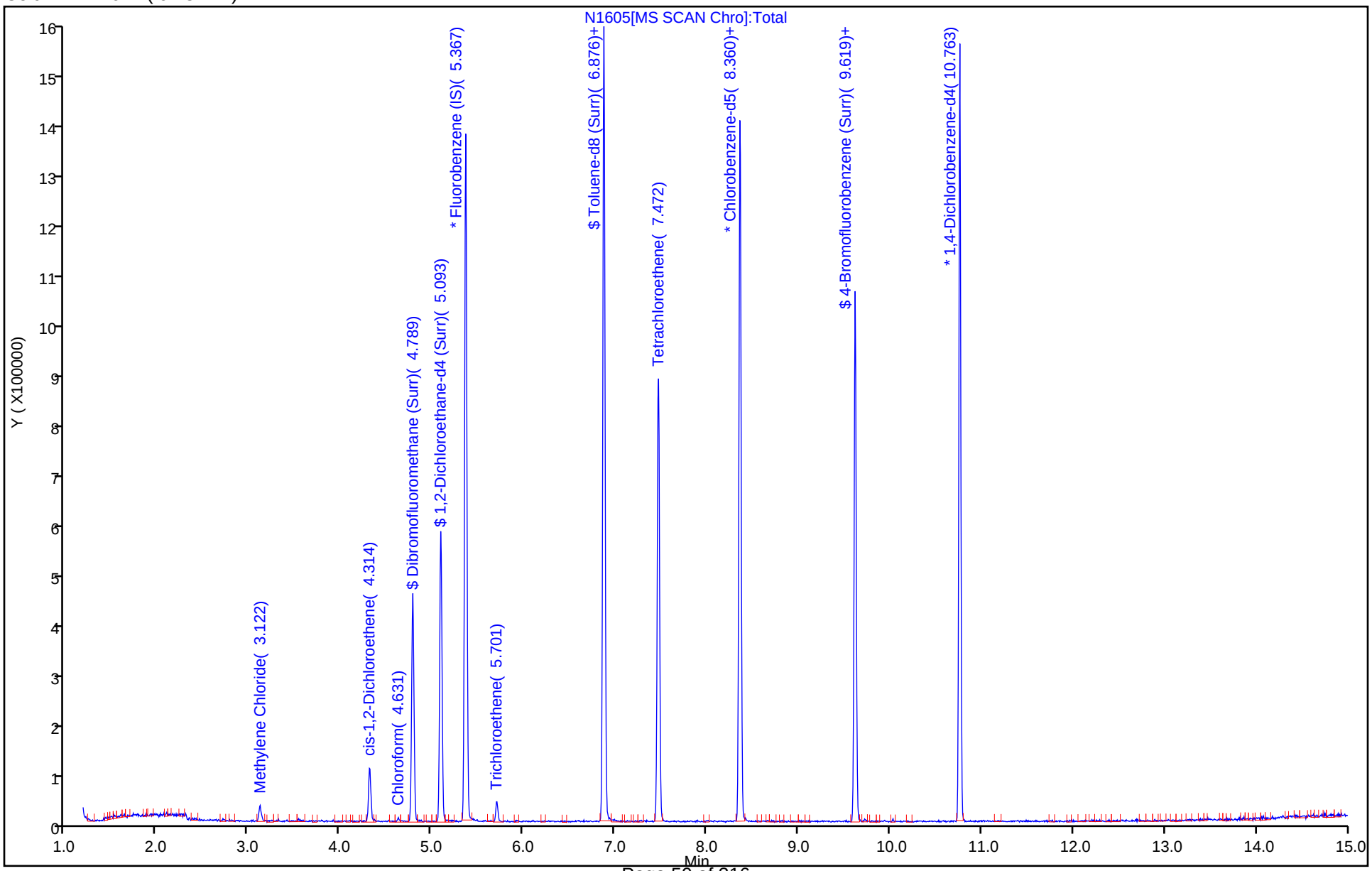
Report Date: 13-Feb-2020 10:17:42 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1605.D

Injection Date:	13-Feb-2020 03:49:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-166129-A-2	Lab Sample ID:	480-166129-2	Worklist Smp#:	22
Client ID:	RW-2				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	42
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



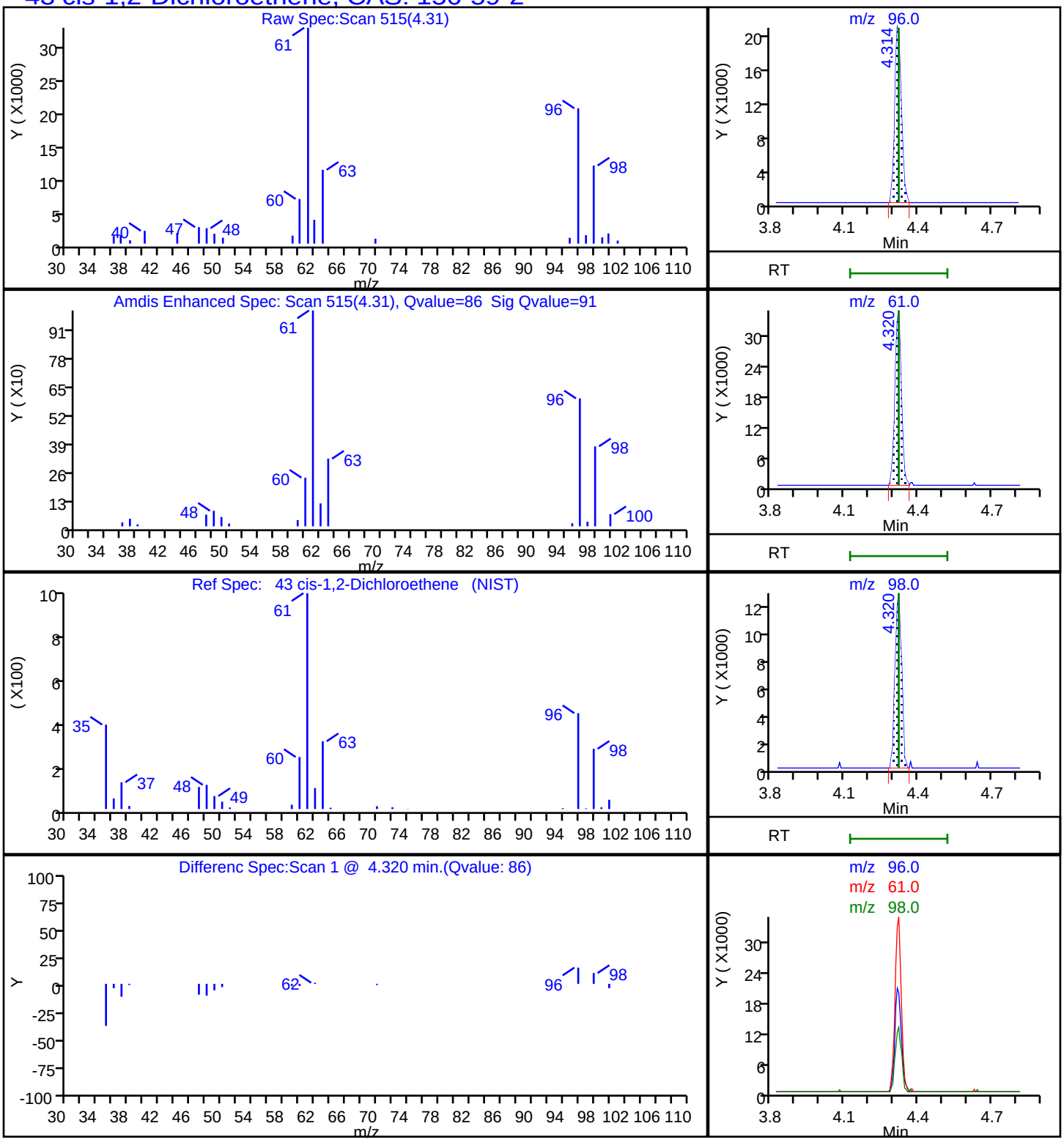
Report Date: 13-Feb-2020 10:17:42 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1605.D

Injection Date:	13-Feb-2020 03:49:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-2	Lab Sample ID:	480-166129-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	42	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2



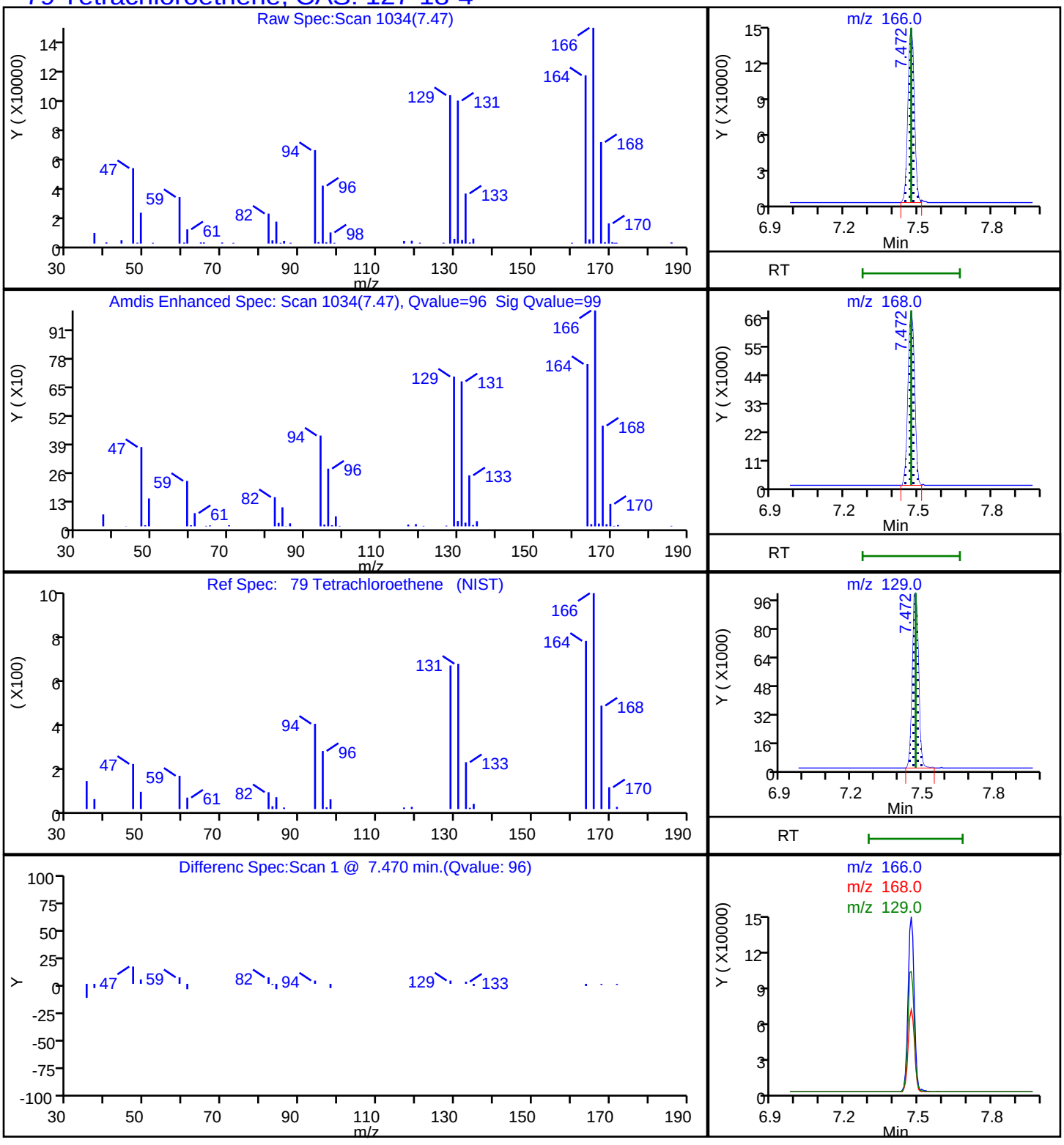
Report Date: 13-Feb-2020 10:17:42 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1605.D

Injection Date:	13-Feb-2020 03:49:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-2	Lab Sample ID:	480-166129-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	42	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 Tetrachloroethene, CAS: 127-18-4



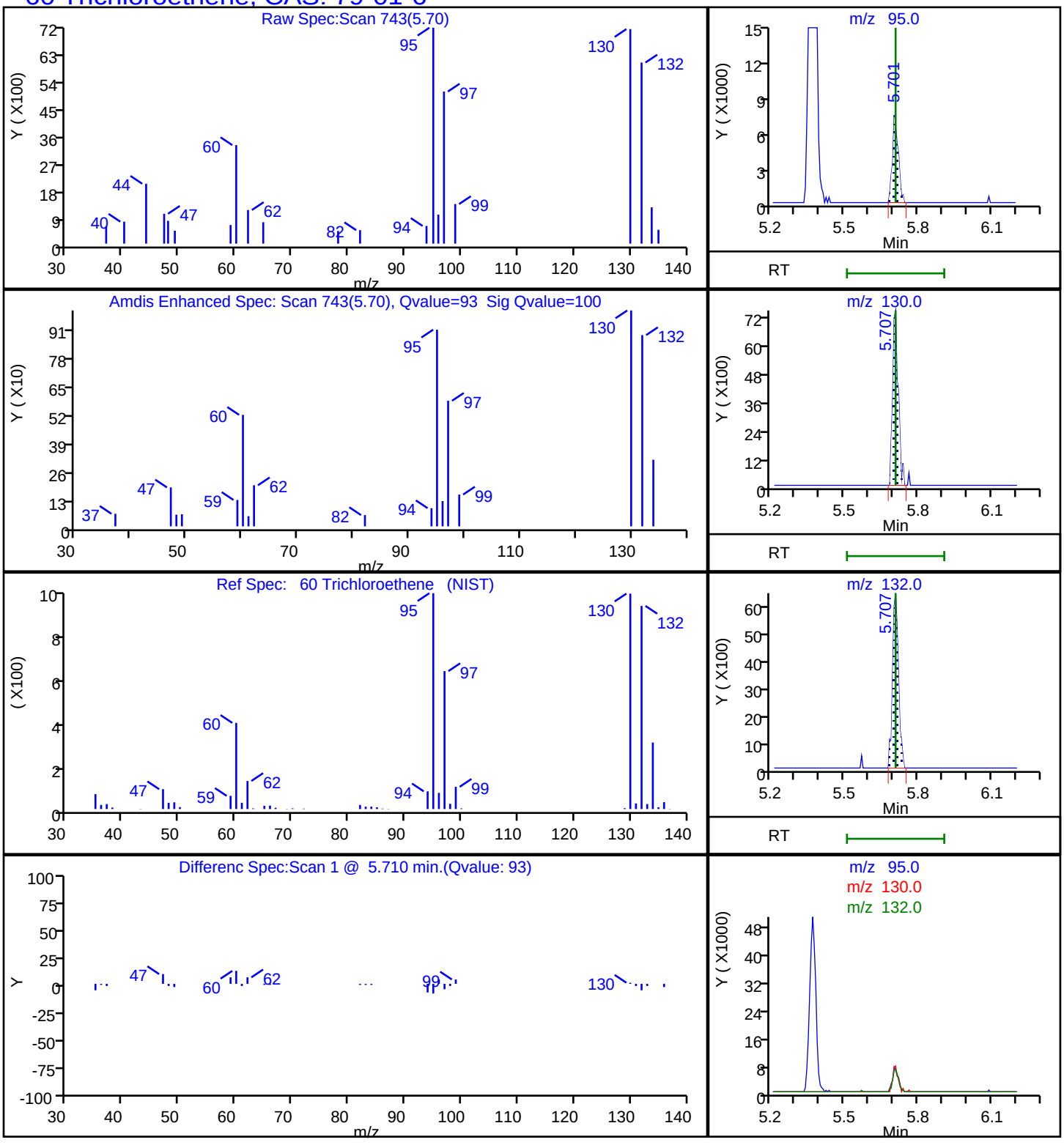
Report Date: 13-Feb-2020 10:17:42 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1605.D

Injection Date:	13-Feb-2020 03:49:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-2	Lab Sample ID:	480-166129-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	42	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6



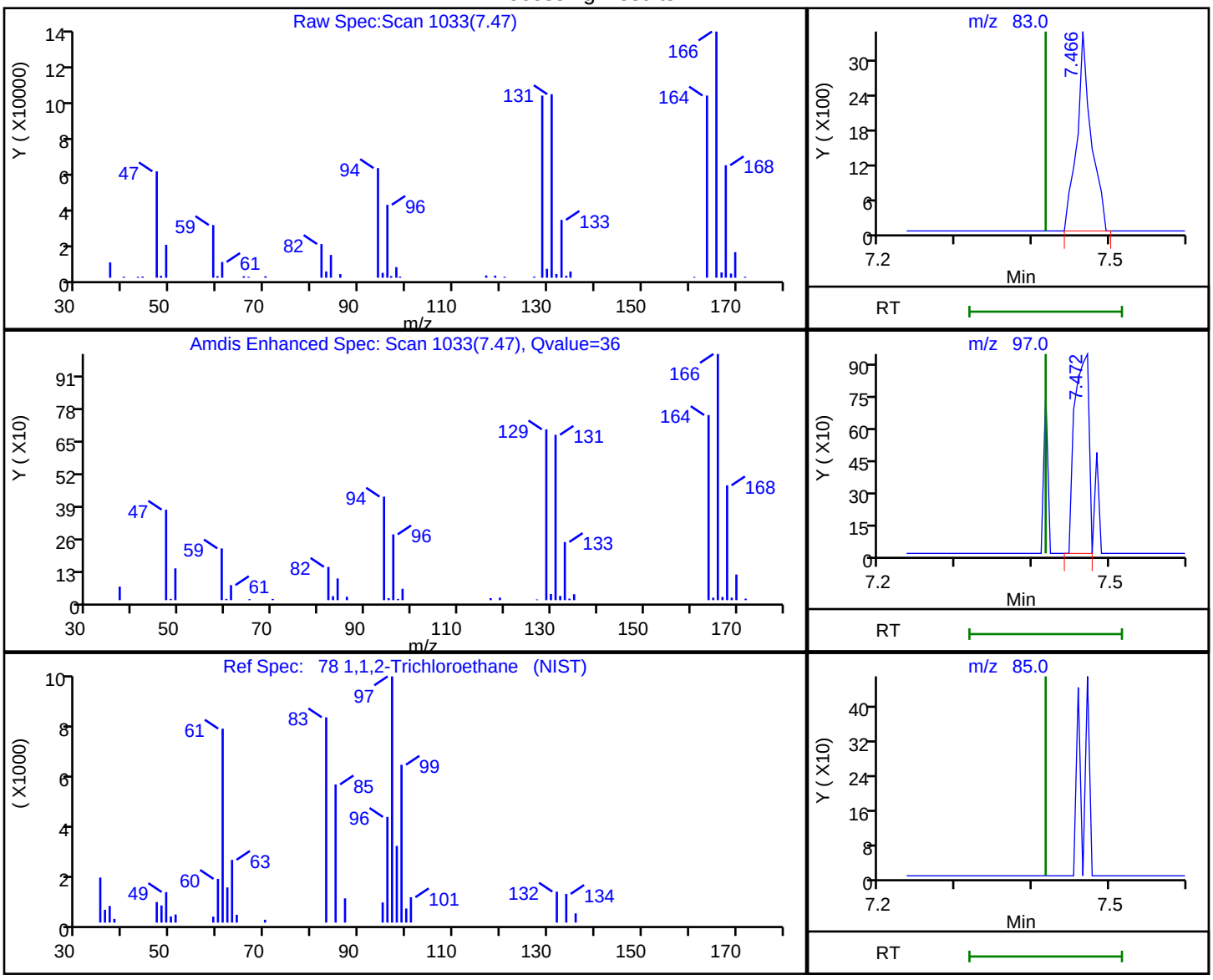
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1605.D				
Injection Date:	13-Feb-2020 03:49:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-2	Lab Sample ID:	480-166129-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	42	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.47	83.00	4420	0.588218
7.47	97.00	1230	
7.42	85.00	0	

Reviewer: lapointec, 13-Feb-2020 10:16:59

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

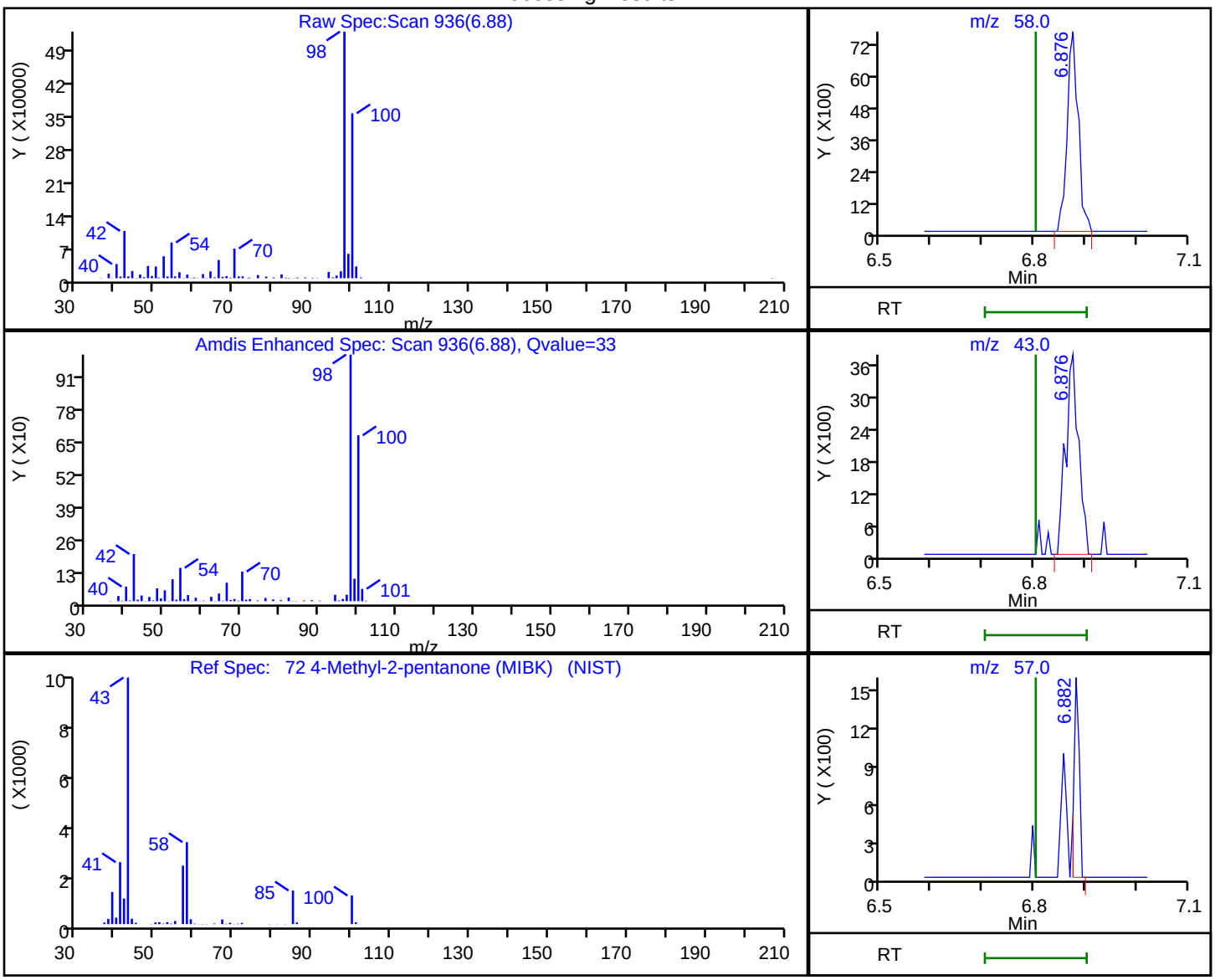
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1605.D				
Injection Date:	13-Feb-2020 03:49:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-2	Lab Sample ID:	480-166129-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	42	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.88	58.00	11515	2.017223
6.88	43.00	6515	
6.88	57.00	1100	

Reviewer: lapointec, 13-Feb-2020 10:16:52

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: RW-3 Lab Sample ID: 480-166129-3

Matrix: Water Lab File ID: N1606.D

Analysis Method: 8260C Date Collected: 02/07/2020 13:08

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 04:13

Soil Aliquot Vol: Dilution Factor: 4

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND	*	4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	6.2		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: RW-3 Lab Sample ID: 480-166129-3

Matrix: Water Lab File ID: N1606.D

Analysis Method: 8260C Date Collected: 02/07/2020 13:08

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 04:13

Soil Aliquot Vol: Dilution Factor: 4

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	2.4	J	4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	190		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	2.7	J	4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	91		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1606.D
Lims ID: 480-166129-A-3
Client ID: RW-3
Sample Type: Client
Inject. Date: 13-Feb-2020 04:13:30 ALS Bottle#: 43 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-166129-A-3
Misc. Info.: 480-0088134-023
Operator ID: AM Instrument ID: HP5973N

Method: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Feb-2020 10:19:25 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 13-Feb-2020 10:19:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	97	195113	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	91	676889	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	96	354318	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	92	231807	22.8	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	99	342101	24.2	
$ 6 Toluene-d8 (Surr)	98	6.876	6.875	0.001	95	891361	25.9	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	90	283589	24.9	
11 Dichlorodifluoromethane	85		1.254				ND	
13 Chloromethane	50		1.431				ND	
14 Vinyl chloride	62		1.522				ND	
15 Bromomethane	94		1.808				ND	
16 Chloroethane	64		1.899				ND	
18 Trichlorofluoromethane	101		2.112				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.599				ND	
22 1,1-Dichloroethene	96		2.605				ND	
23 Acetone	43	2.733	2.739	0.001	78	4020	0.7868	
25 Carbon disulfide	76		2.793				ND	U
28 Methyl acetate	43		3.025				ND	
30 Methylene Chloride	84	3.122	3.116	0.006	88	14085	0.5927	
32 Methyl tert-butyl ether	73		3.329				ND	
33 trans-1,2-Dichloroethene	96		3.341				ND	
36 1,1-Dichloroethane	63		3.761				ND	
43 cis-1,2-Dichloroethene	96	4.314	4.319	-0.006	86	17713	1.54	
44 2-Butanone (MEK)	43		4.357				ND	
50 Chloroform	83		4.631				ND	Ua
51 1,1,1-Trichloroethane	97		4.740				ND	
52 Cyclohexane	56		4.740				ND	
53 Carbon tetrachloride	117		4.874				ND	
55 Benzene	78		5.093				ND	
57 1,2-Dichloroethane	62		5.166				ND	
60 Trichloroethene	95	5.714	5.701	0.007	88	7334	0.6669	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.823				ND	
63 1,2-Dichloropropane	63		5.951				ND	
67 Dichlorobromomethane	83		6.243				ND	
71 cis-1,3-Dichloropropene	75		6.656				ND	
72 4-Methyl-2-pentanone (MIBK	58		6.802				ND	U
73 Toluene	92		6.942				ND	
75 trans-1,3-Dichloropropene	75		7.228				ND	
78 1,1,2-Trichloroethane	83		7.417				ND	U
79 Tetrachloroethene	166	7.472	7.472	0.000	94	528411	48.2	
82 2-Hexanone	43		7.648				ND	
83 Chlorodibromomethane	129		7.812				ND	
84 Ethylene Dibromide	107		7.916				ND	
85 Chlorobenzene	112		8.390				ND	
88 Ethylbenzene	91		8.481				ND	
90 m-Xylene & p-Xylene	106		8.609				ND	
91 o-Xylene	106		9.035				ND	
92 Styrene	104		9.066				ND	
93 Bromoform	173		9.321				ND	
95 Isopropylbenzene	105		9.418				ND	
98 1,1,2,2-Tetrachloroethane	83		9.832				ND	
110 1,3-Dichlorobenzene	146		10.696				ND	
113 1,4-Dichlorobenzene	146		10.787				ND	
116 1,2-Dichlorobenzene	146		11.140				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.876				ND	
119 1,2,4-Trichlorobenzene	180		12.551				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

N 8260 IS_00184	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00393	Amount Added:	1.00	Units: uL	Run Reagent

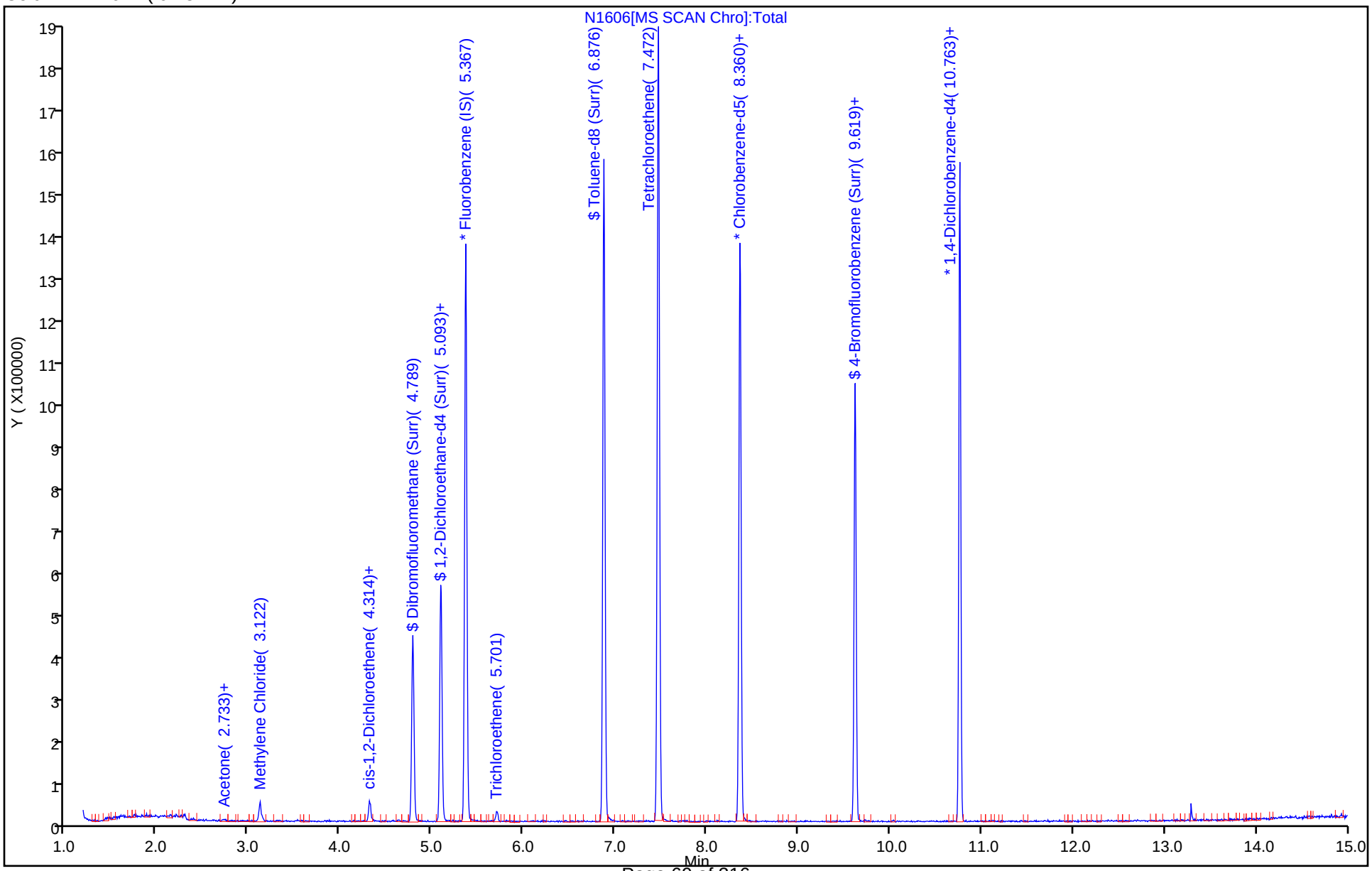
Report Date: 13-Feb-2020 10:19:25 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1606.D

Injection Date:	13-Feb-2020 04:13:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-166129-A-3	Lab Sample ID:	480-166129-3	Worklist Smp#:	23
Client ID:	RW-3				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	43
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Report Date: 13-Feb-2020 10:19:25 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1606.D

Injection Date: 13-Feb-2020 04:13:30 Instrument ID: HP5973N

Lims ID: 480-166129-A-3 Lab Sample ID: 480-166129-3

Client ID: RW-3

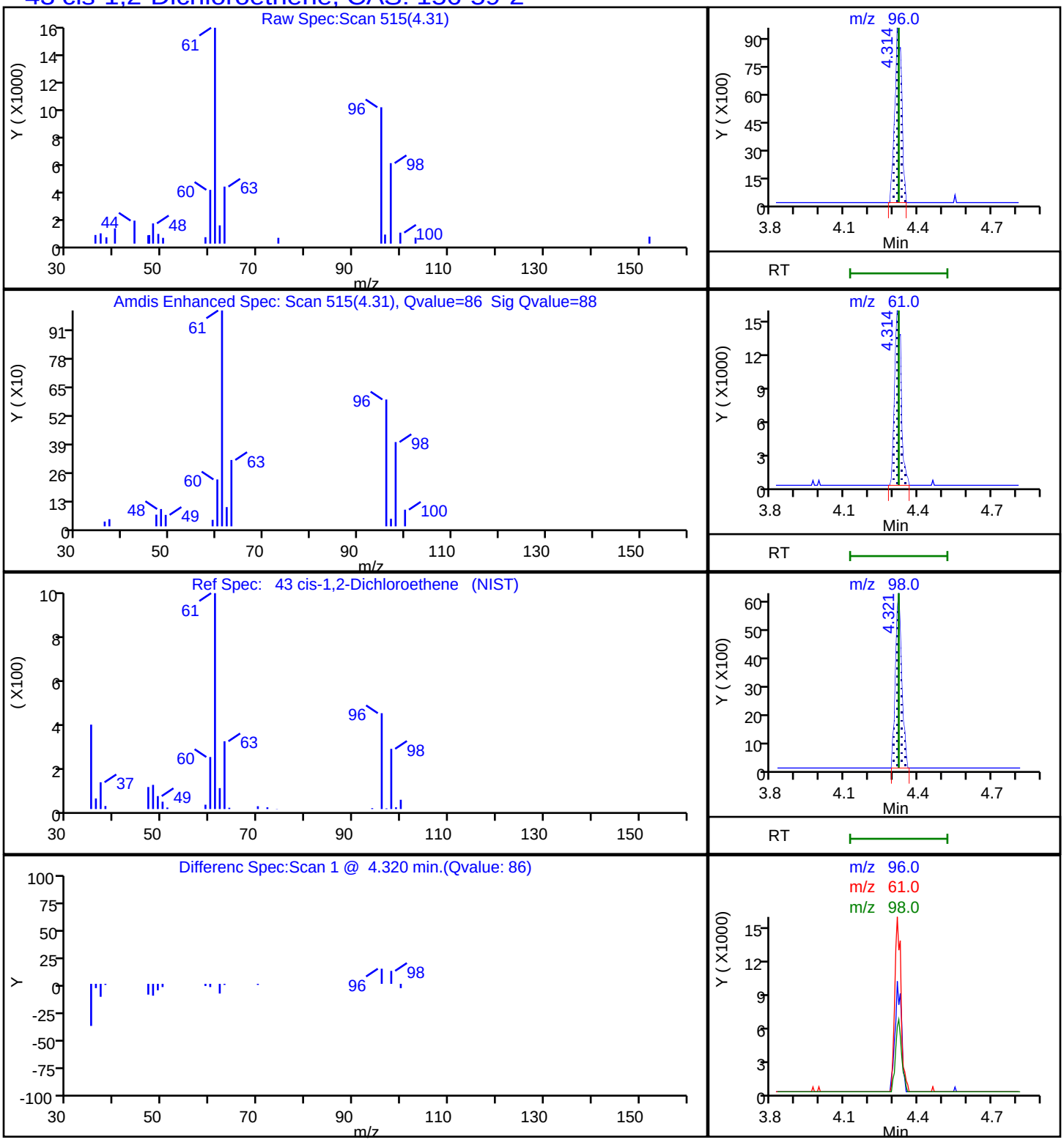
Operator ID: AM ALS Bottle#: 43 Worklist Smp#: 23

Purge Vol: 5.000 mL Dil. Factor: 4.0000

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm) Detector MS SCAN

43 cis-1,2-Dichloroethene, CAS: 156-59-2



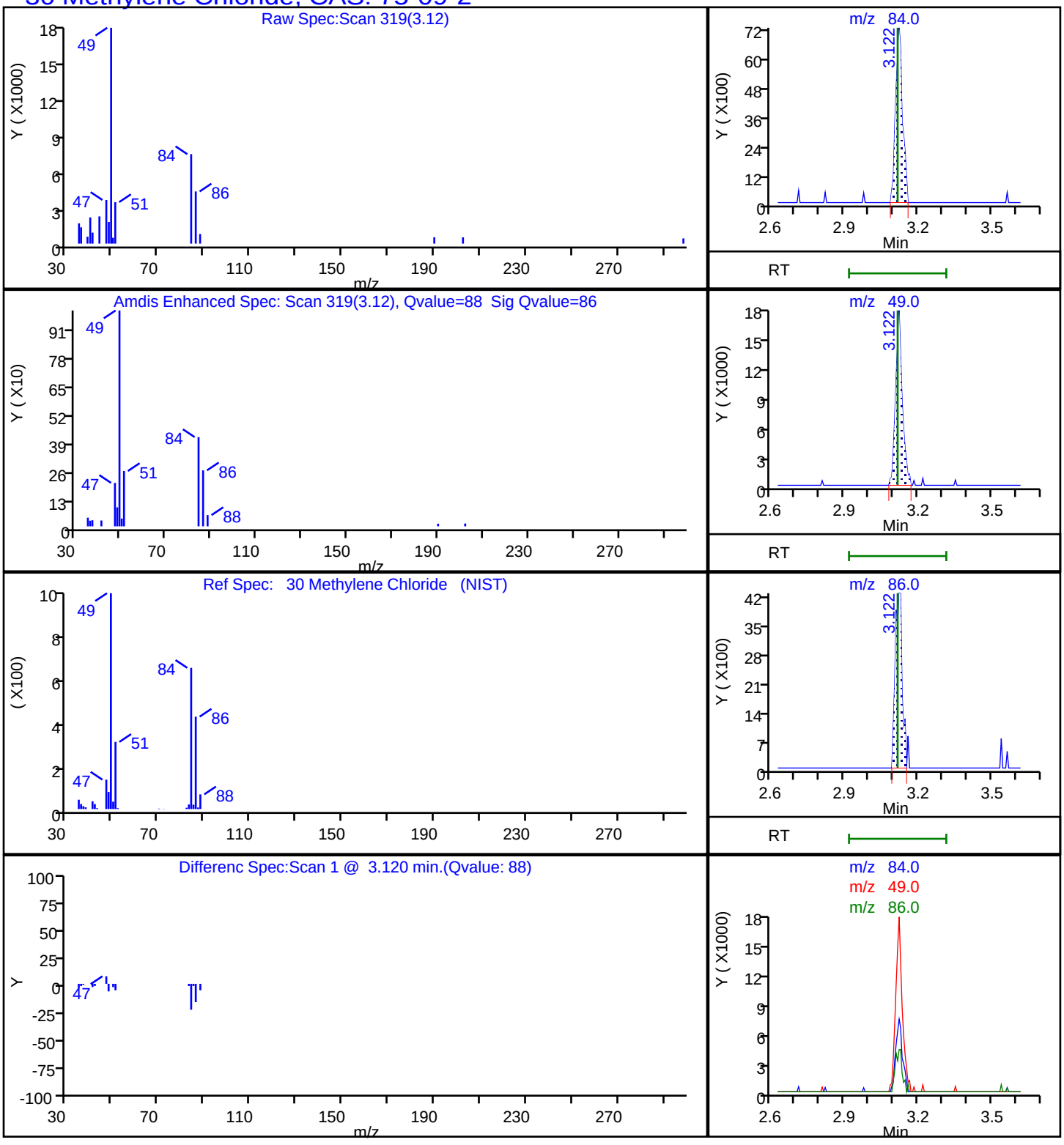
Report Date: 13-Feb-2020 10:19:25 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1606.D

Injection Date:	13-Feb-2020 04:13:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-3	Lab Sample ID:	480-166129-3		
Client ID:	RW-3				
Operator ID:	AM	ALS Bottle#:	43	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2



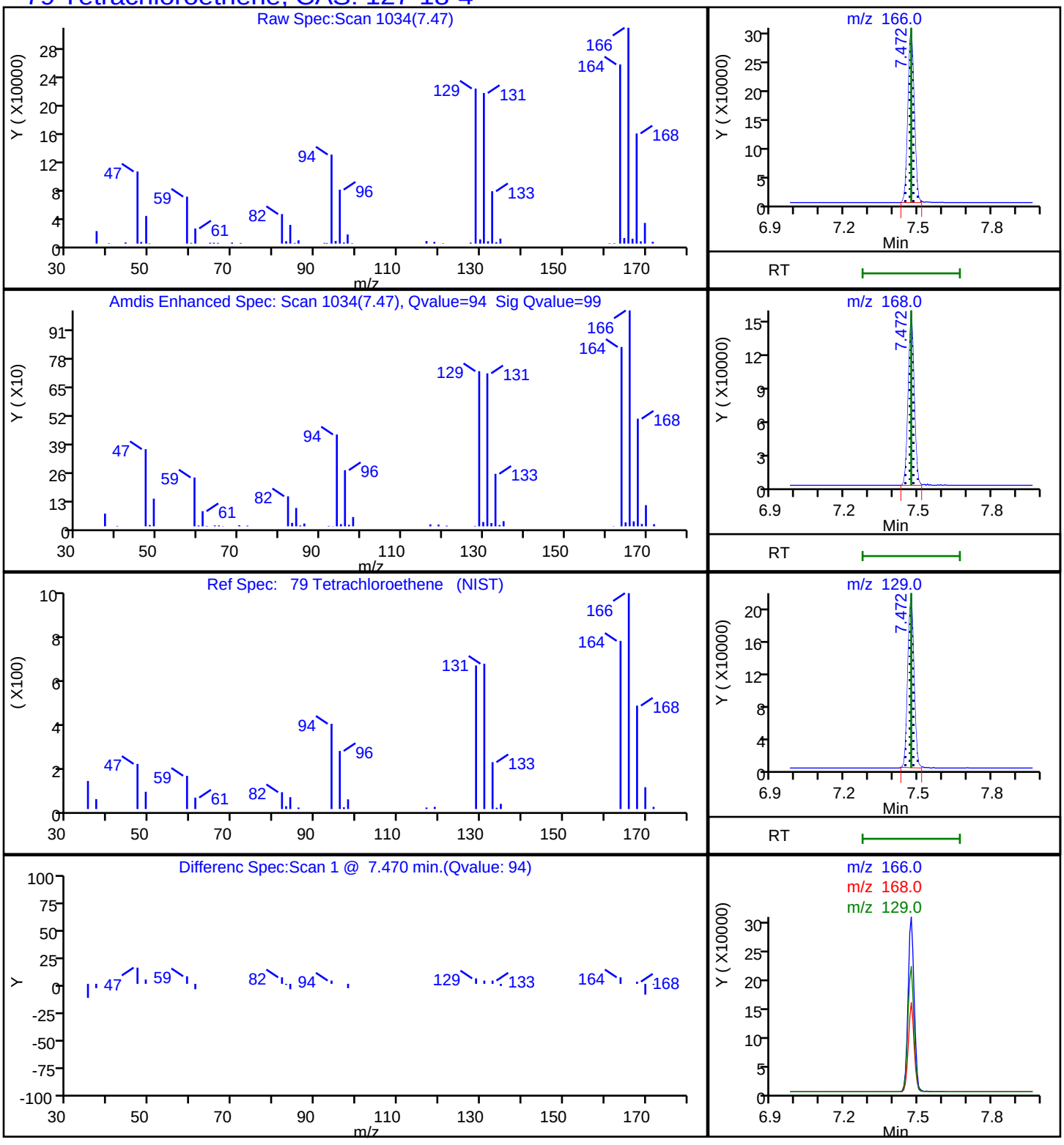
Report Date: 13-Feb-2020 10:19:25 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1606.D

Injection Date:	13-Feb-2020 04:13:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-3	Lab Sample ID:	480-166129-3		
Client ID:	RW-3				
Operator ID:	AM	ALS Bottle#:	43	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 Tetrachloroethene, CAS: 127-18-4



Report Date: 13-Feb-2020 10:19:25 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1606.D

Injection Date: 13-Feb-2020 04:13:30 Instrument ID: HP5973N

Lims ID: 480-166129-A-3 Lab Sample ID: 480-166129-3

Client ID: RW-3

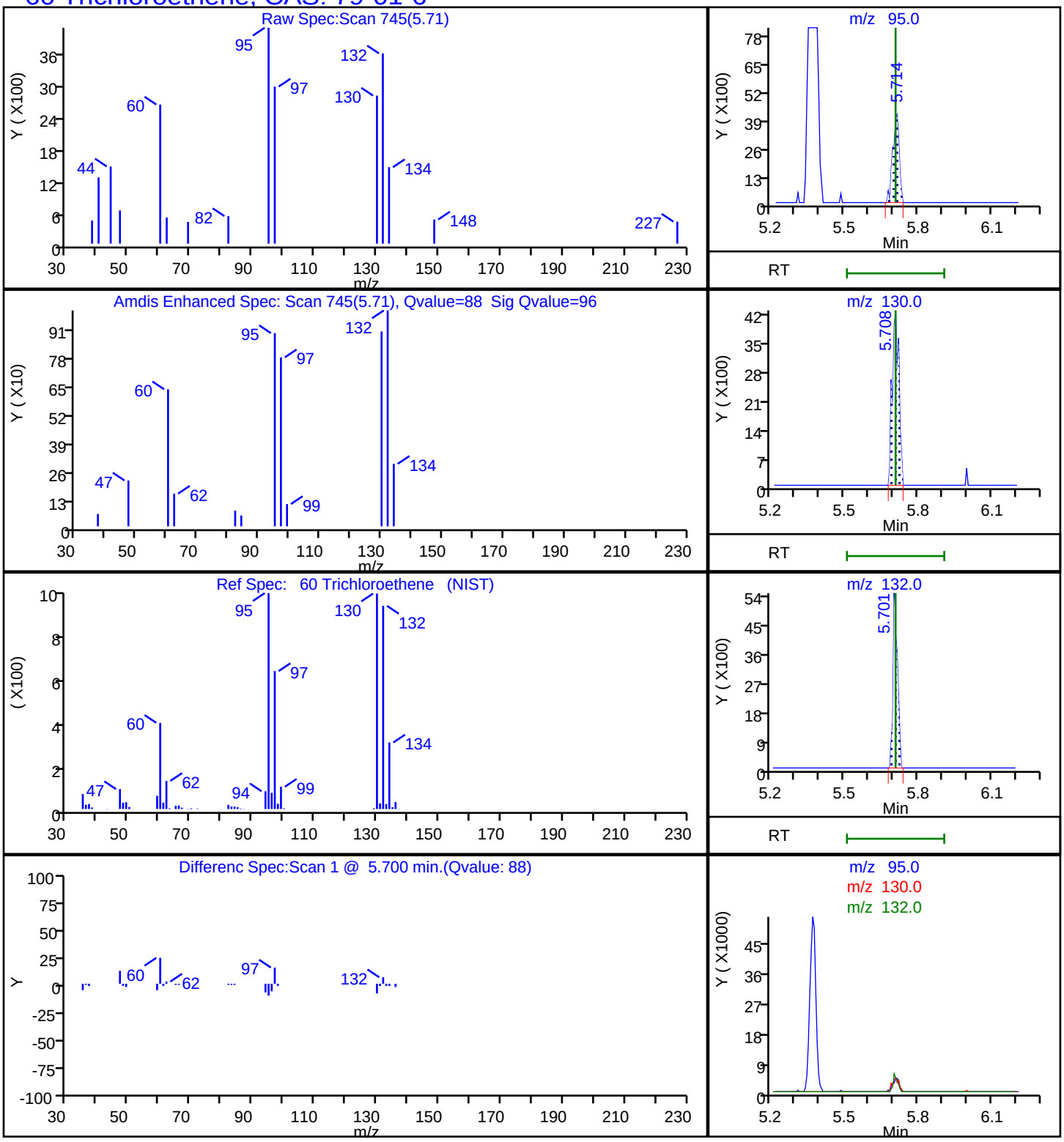
Operator ID: AM ALS Bottle#: 43 Worklist Smp#: 23

Purge Vol: 5.000 mL Dil. Factor: 4.0000

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm) Detector MS SCAN

60 Trichloroethene, CAS: 79-01-6



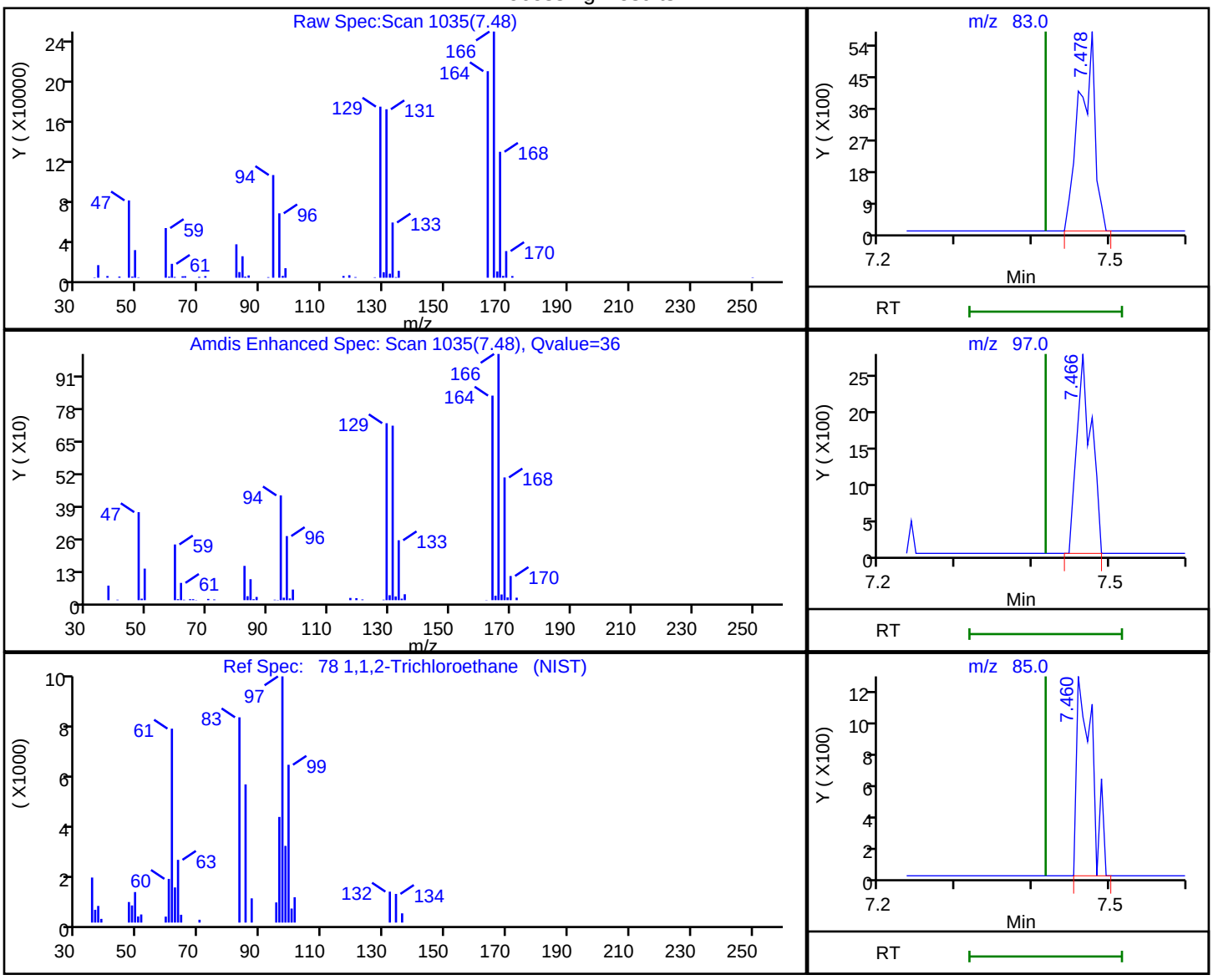
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1606.D				
Injection Date:	13-Feb-2020 04:13:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-3	Lab Sample ID:	480-166129-3		
Client ID:	RW-3				
Operator ID:	AM	ALS Bottle#:	43	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.48	83.00	8031	1.092702
7.47	97.00	3582	
7.46	85.00	1760	

Reviewer: lapointec, 13-Feb-2020 10:18:59

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

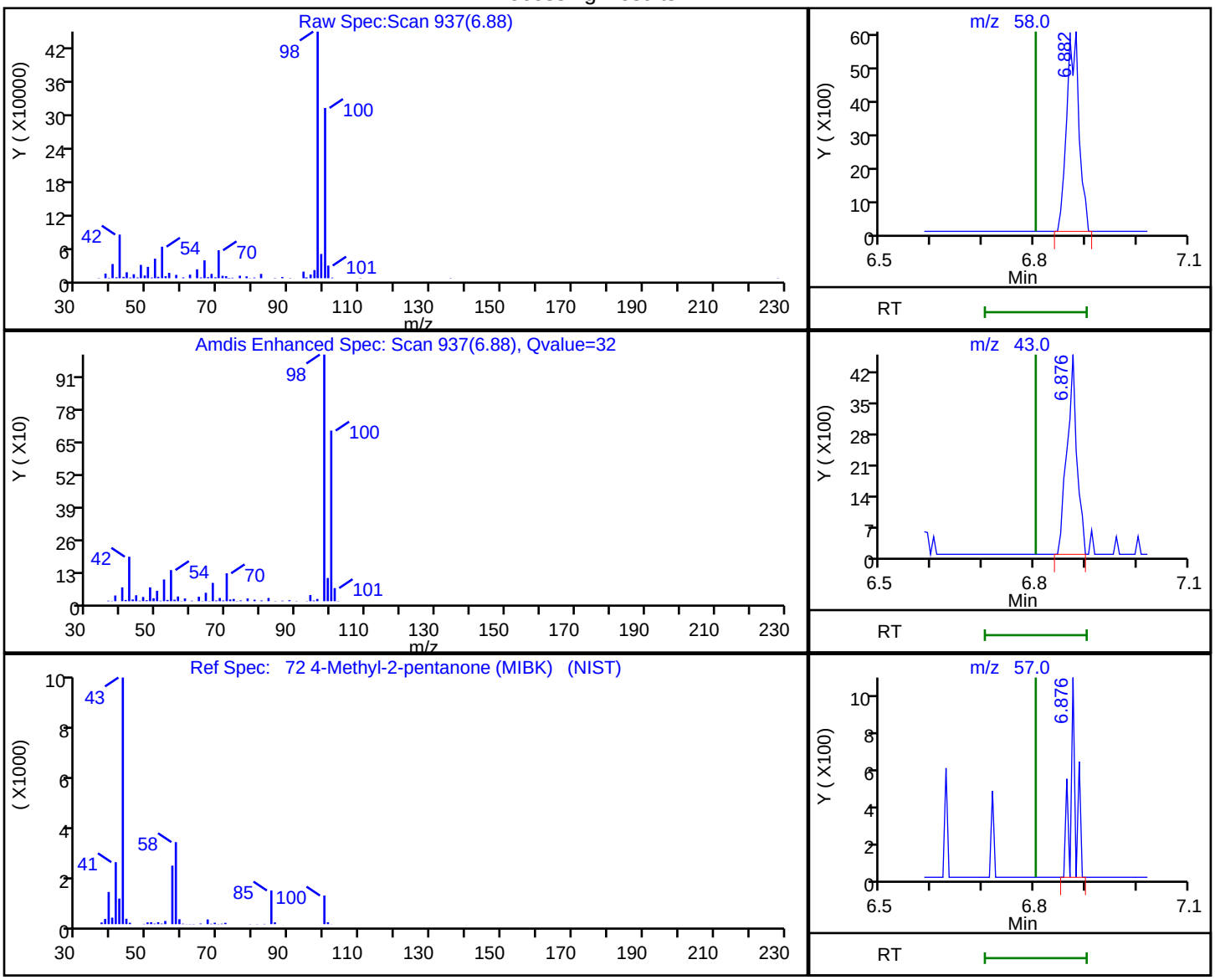
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1606.D				
Injection Date:	13-Feb-2020 04:13:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-3	Lab Sample ID:	480-166129-3		
Client ID:	RW-3				
Operator ID:	AM	ALS Bottle#:	43	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.88	58.00	10065	1.802686
6.88	43.00	6200	
6.88	57.00	762	

Reviewer: lapointec, 13-Feb-2020 10:18:54

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

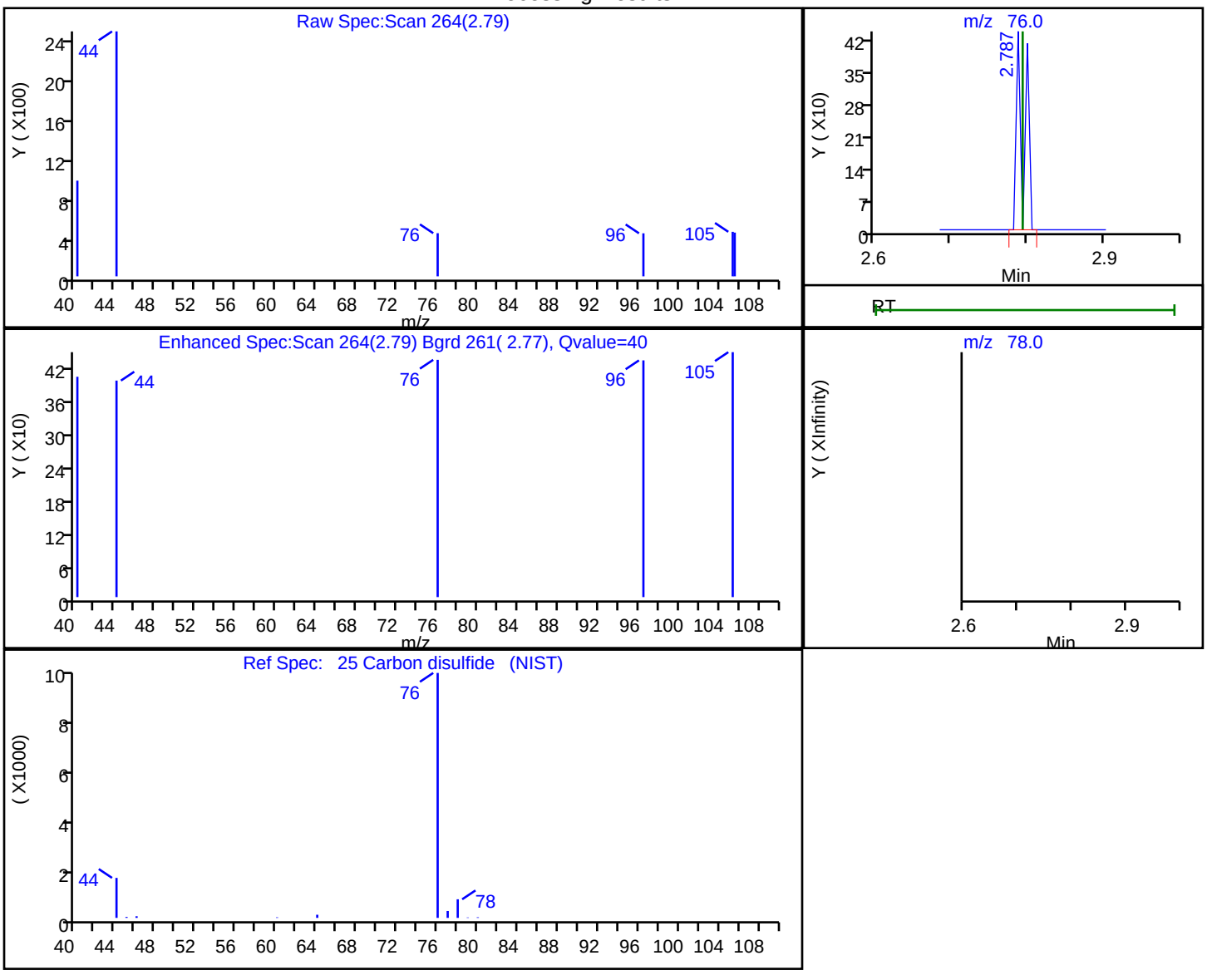
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1606.D				
Injection Date:	13-Feb-2020 04:13:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-3	Lab Sample ID:	480-166129-3		
Client ID:	RW-3				
Operator ID:	AM	ALS Bottle#:	43	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.79	76.00	307	0.009491
2.79	78.00	0	

Reviewer: lapointec, 13-Feb-2020 10:18:14

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-166129-4

Matrix: Water Lab File ID: N1607.D

Analysis Method: 8260C Date Collected: 02/07/2020 13:10

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 04:38

Soil Aliquot Vol: Dilution Factor: 4

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND	*	4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	18		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-166129-4

Matrix: Water Lab File ID: N1607.D

Analysis Method: 8260C Date Collected: 02/07/2020 13:10

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 04:38

Soil Aliquot Vol: Dilution Factor: 4

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	1.9	J	4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	110		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	5.0		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1607.D
Lims ID: 480-166129-B-4
Client ID: DUP
Sample Type: Client
Inject. Date: 13-Feb-2020 04:38:30 ALS Bottle#: 44 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-166129-B-4
Misc. Info.: 480-0088134-024
Operator ID: AM Instrument ID: HP5973N

Method: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Feb-2020 10:21:21 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 13-Feb-2020 10:21:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	98	187773	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	91	684455	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	96	348445	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	92	239762	24.6	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	99	342996	25.2	
$ 6 Toluene-d8 (Surr)	98	6.876	6.875	0.001	96	875170	25.2	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	92	276441	24.0	
11 Dichlorodifluoromethane	85		1.254				ND	
13 Chloromethane	50		1.431				ND	
14 Vinyl chloride	62		1.522				ND	Ua
15 Bromomethane	94		1.808				ND	Ua
16 Chloroethane	64		1.899				ND	
18 Trichlorofluoromethane	101		2.112				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.599				ND	
22 1,1-Dichloroethene	96		2.605				ND	
23 Acetone	43	2.733	2.739	0.001	68	3124	0.6353	
25 Carbon disulfide	76		2.793				ND	
28 Methyl acetate	43		3.025				ND	
30 Methylene Chloride	84	3.122	3.116	0.006	90	12241	0.4654	
32 Methyl tert-butyl ether	73		3.329				ND	
33 trans-1,2-Dichloroethene	96		3.341				ND	
36 1,1-Dichloroethane	63		3.761				ND	
43 cis-1,2-Dichloroethene	96	4.320	4.319	0.000	84	48615	4.39	
44 2-Butanone (MEK)	43		4.357				ND	
50 Chloroform	83	4.631	4.637	0.000	87	4921	0.2593	
51 1,1,1-Trichloroethane	97		4.740				ND	
52 Cyclohexane	56		4.740				ND	
53 Carbon tetrachloride	117		4.874				ND	
55 Benzene	78		5.093				ND	
57 1,2-Dichloroethane	62		5.166				ND	
60 Trichloroethene	95	5.707	5.701	0.000	90	13304	1.26	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.823				ND	
63 1,2-Dichloropropane	63		5.951				ND	
67 Dichlorobromomethane	83		6.243				ND	
71 cis-1,3-Dichloropropene	75		6.656				ND	
72 4-Methyl-2-pentanone (MIBK	58		6.802				ND	
73 Toluene	92		6.942				ND	
75 trans-1,3-Dichloropropene	75		7.228				ND	
78 1,1,2-Trichloroethane	83		7.417				ND	U
79 Tetrachloroethene	166	7.472	7.472	0.000	96	316873	28.6	
82 2-Hexanone	43		7.648				ND	
83 Chlorodibromomethane	129		7.812				ND	
84 Ethylene Dibromide	107		7.916				ND	
85 Chlorobenzene	112		8.390				ND	
88 Ethylbenzene	91		8.481				ND	
90 m-Xylene & p-Xylene	106		8.609				ND	
91 o-Xylene	106		9.035				ND	
92 Styrene	104		9.066				ND	
93 Bromoform	173		9.321				ND	
95 Isopropylbenzene	105		9.418				ND	
98 1,1,2,2-Tetrachloroethane	83		9.832				ND	
110 1,3-Dichlorobenzene	146		10.696				ND	
113 1,4-Dichlorobenzene	146		10.787				ND	
116 1,2-Dichlorobenzene	146		11.140				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.876				ND	
119 1,2,4-Trichlorobenzene	180		12.551				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

N 8260 IS_00184	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00393	Amount Added:	1.00	Units: uL	Run Reagent

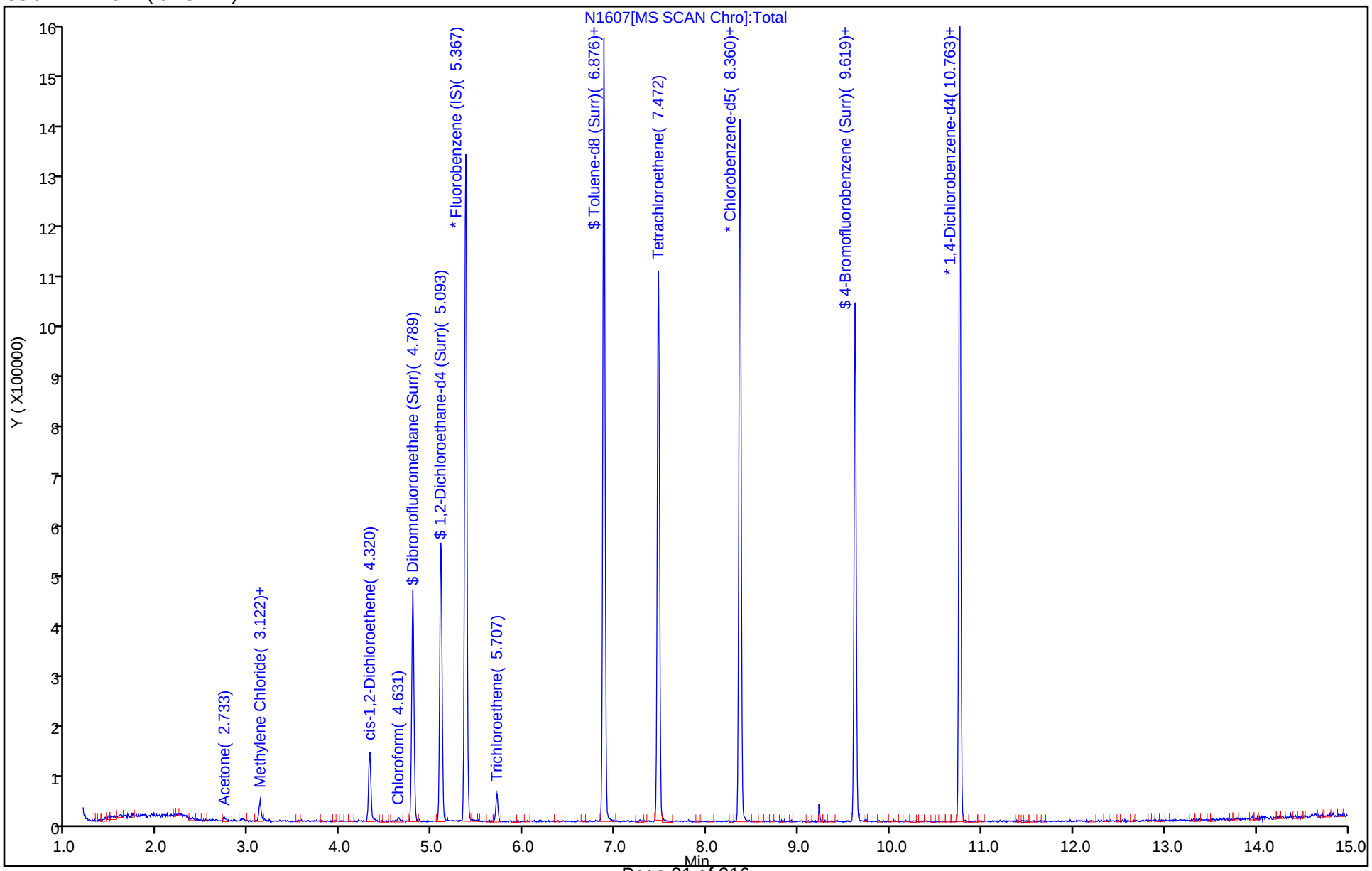
Report Date: 13-Feb-2020 10:21:21 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1607.D

Injection Date:	13-Feb-2020 04:38:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-166129-B-4	Lab Sample ID:	480-166129-4	Worklist Smp#:	24
Client ID:	DUP				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	44
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

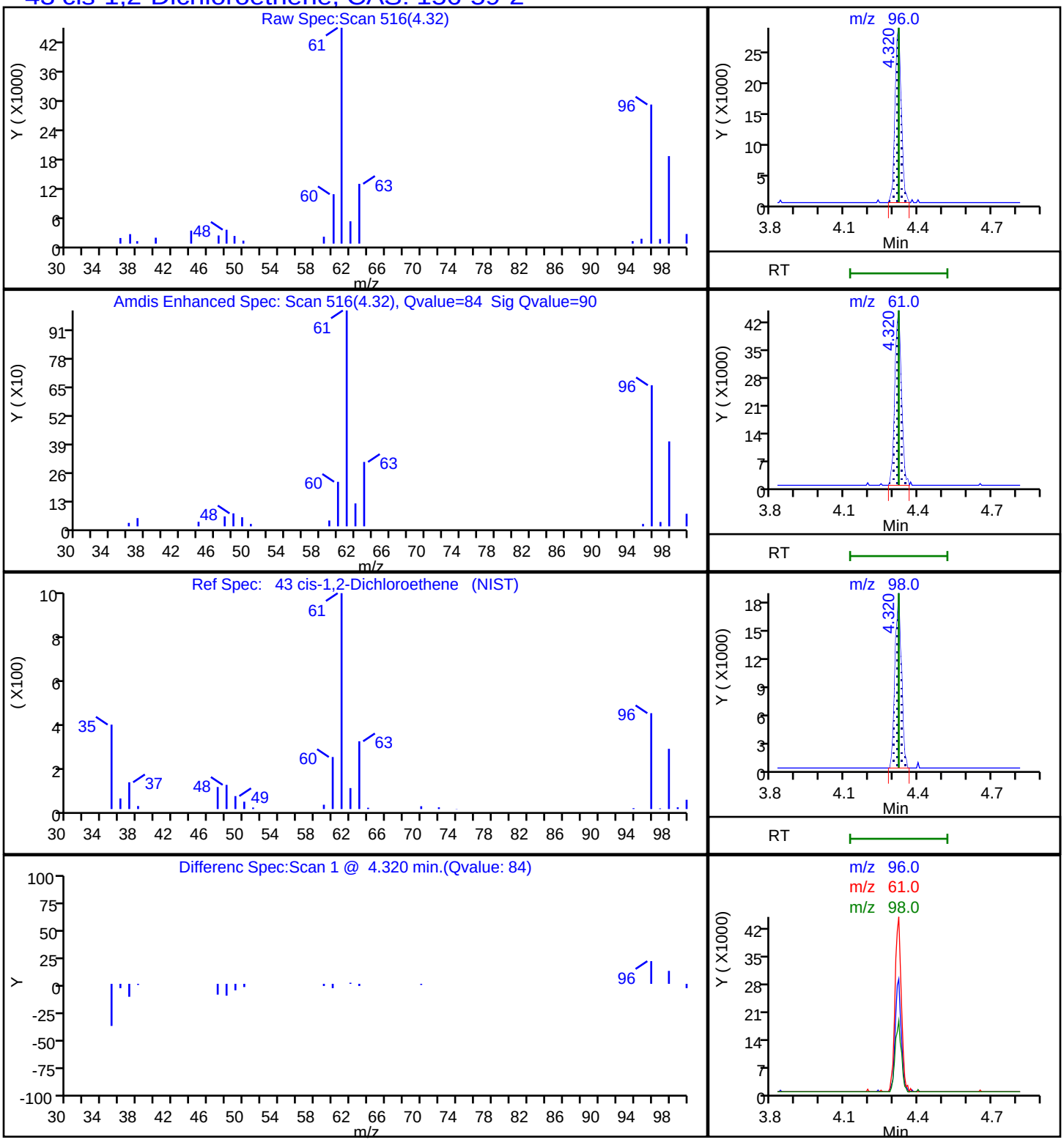


Report Date: 13-Feb-2020 10:21:21 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1607.D				
Injection Date:	13-Feb-2020 04:38:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-B-4	Lab Sample ID:	480-166129-4		
Client ID:	DUP				
Operator ID:	AM	ALS Bottle#:	44	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2



Report Date: 13-Feb-2020 10:21:21 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1607.D

Injection Date: 13-Feb-2020 04:38:30 Instrument ID: HP5973N

Lims ID: 480-166129-B-4 Lab Sample ID: 480-166129-4

Client ID: DUP

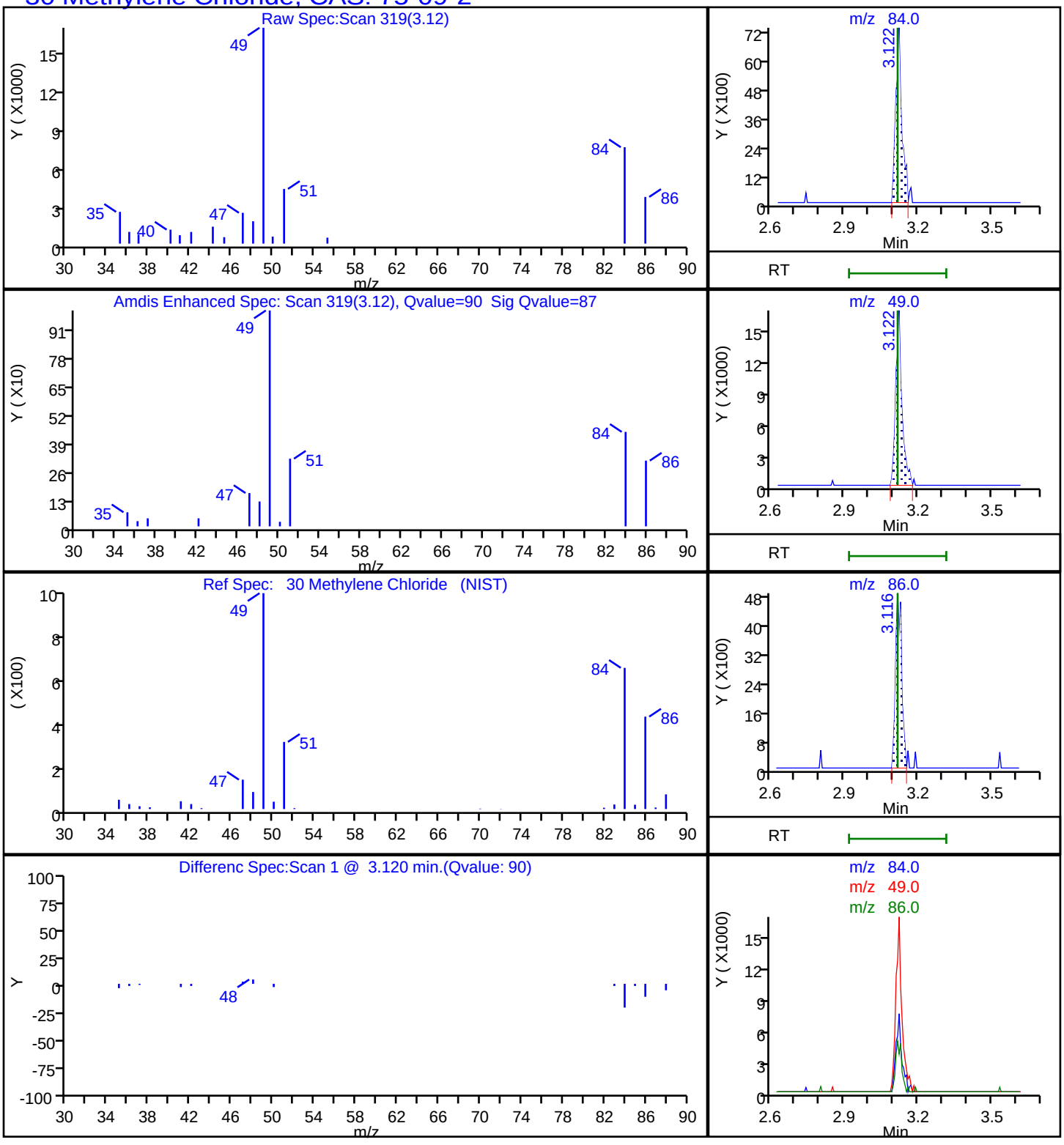
Operator ID: AM ALS Bottle#: 44 Worklist Smp#: 24

Purge Vol: 5.000 mL Dil. Factor: 4.0000

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2



Report Date: 13-Feb-2020 10:21:21 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1607.D

Injection Date: 13-Feb-2020 04:38:30 Instrument ID: HP5973N

Lims ID: 480-166129-B-4 Lab Sample ID: 480-166129-4

Client ID: DUP

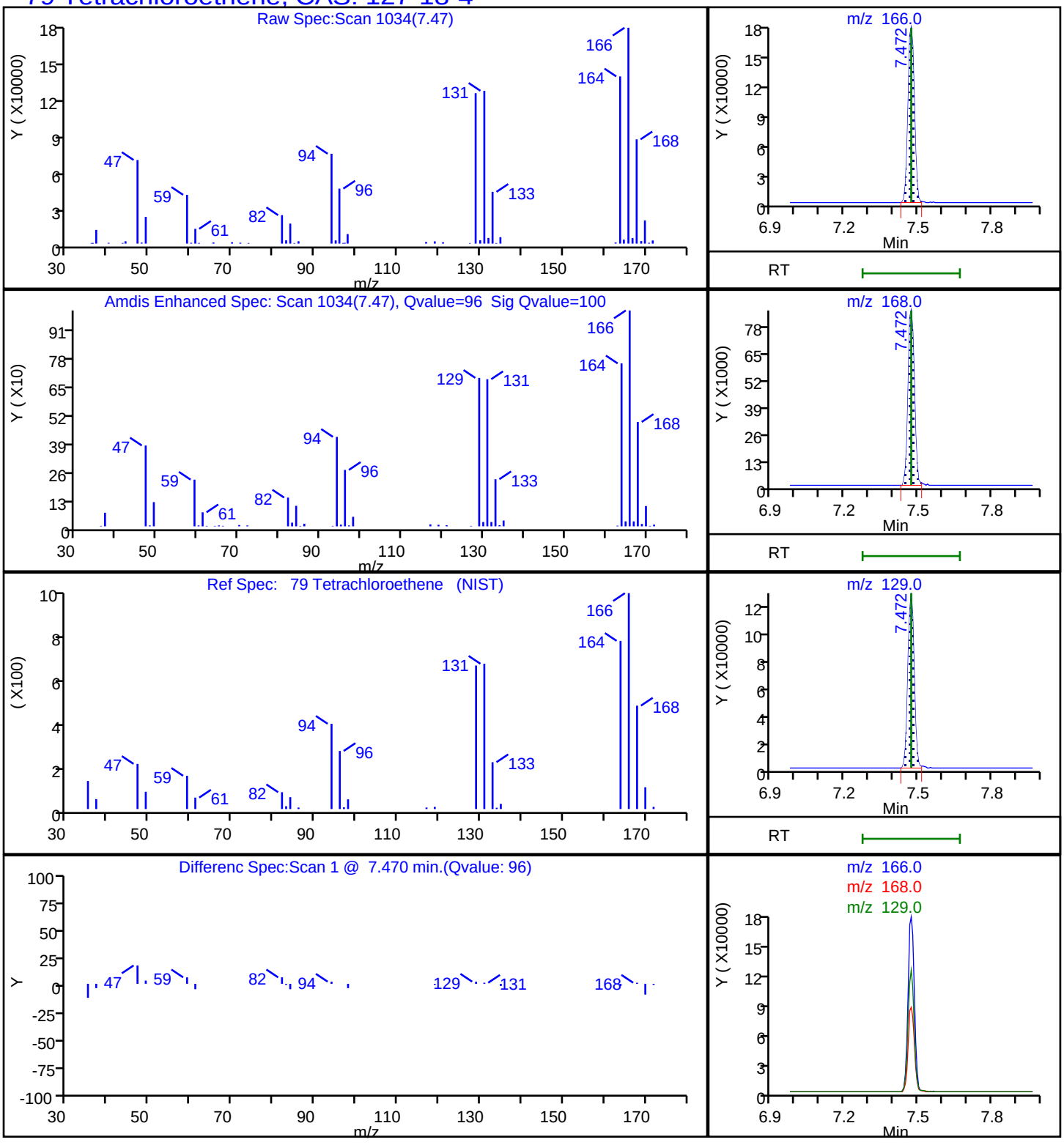
Operator ID: AM ALS Bottle#: 44 Worklist Smp#: 24

Purge Vol: 5.000 mL Dil. Factor: 4.0000

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm) Detector MS SCAN

79 Tetrachloroethene, CAS: 127-18-4



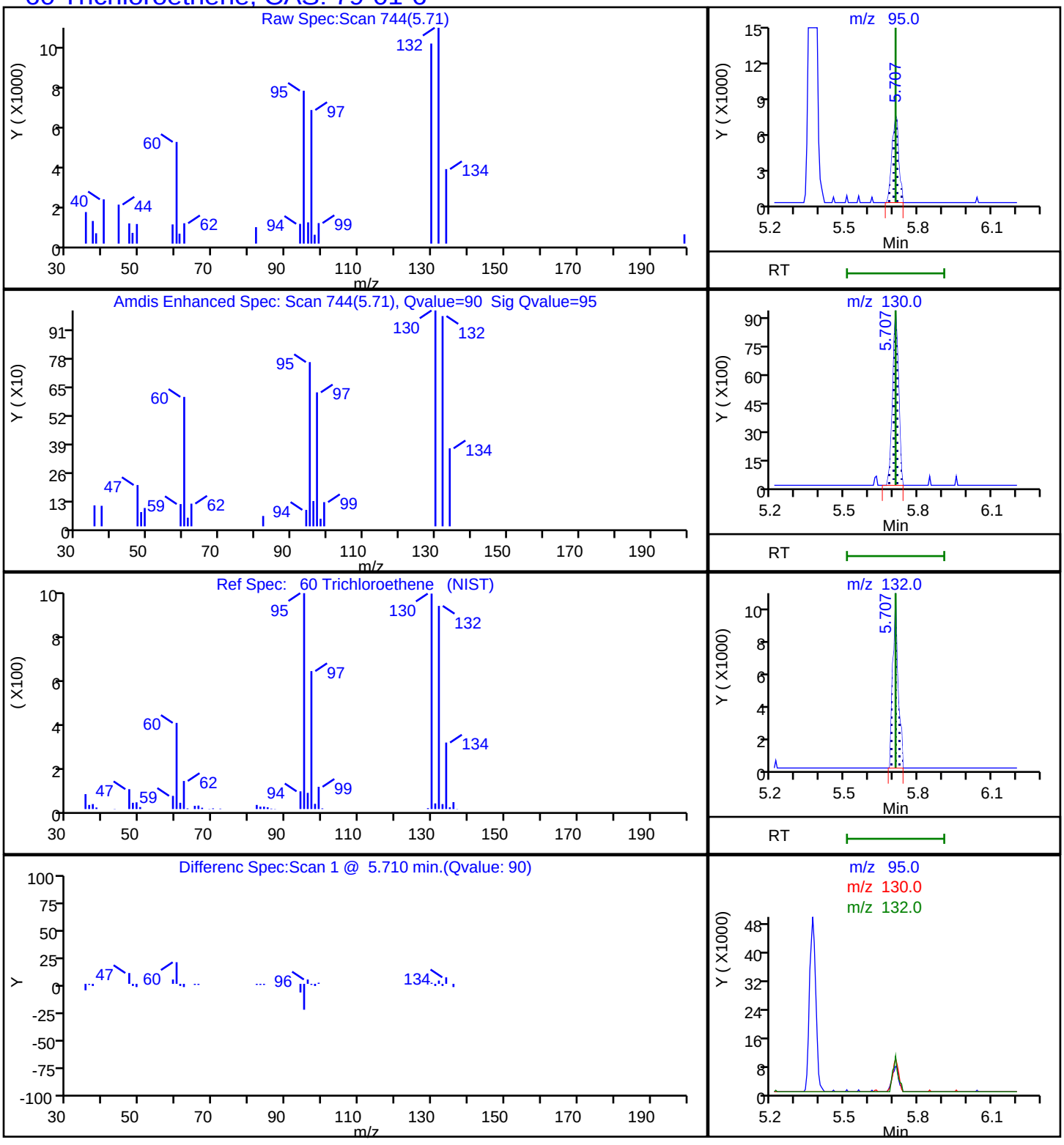
Report Date: 13-Feb-2020 10:21:21 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1607.D

Injection Date:	13-Feb-2020 04:38:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-B-4	Lab Sample ID:	480-166129-4		
Client ID:	DUP				
Operator ID:	AM	ALS Bottle#:	44	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6



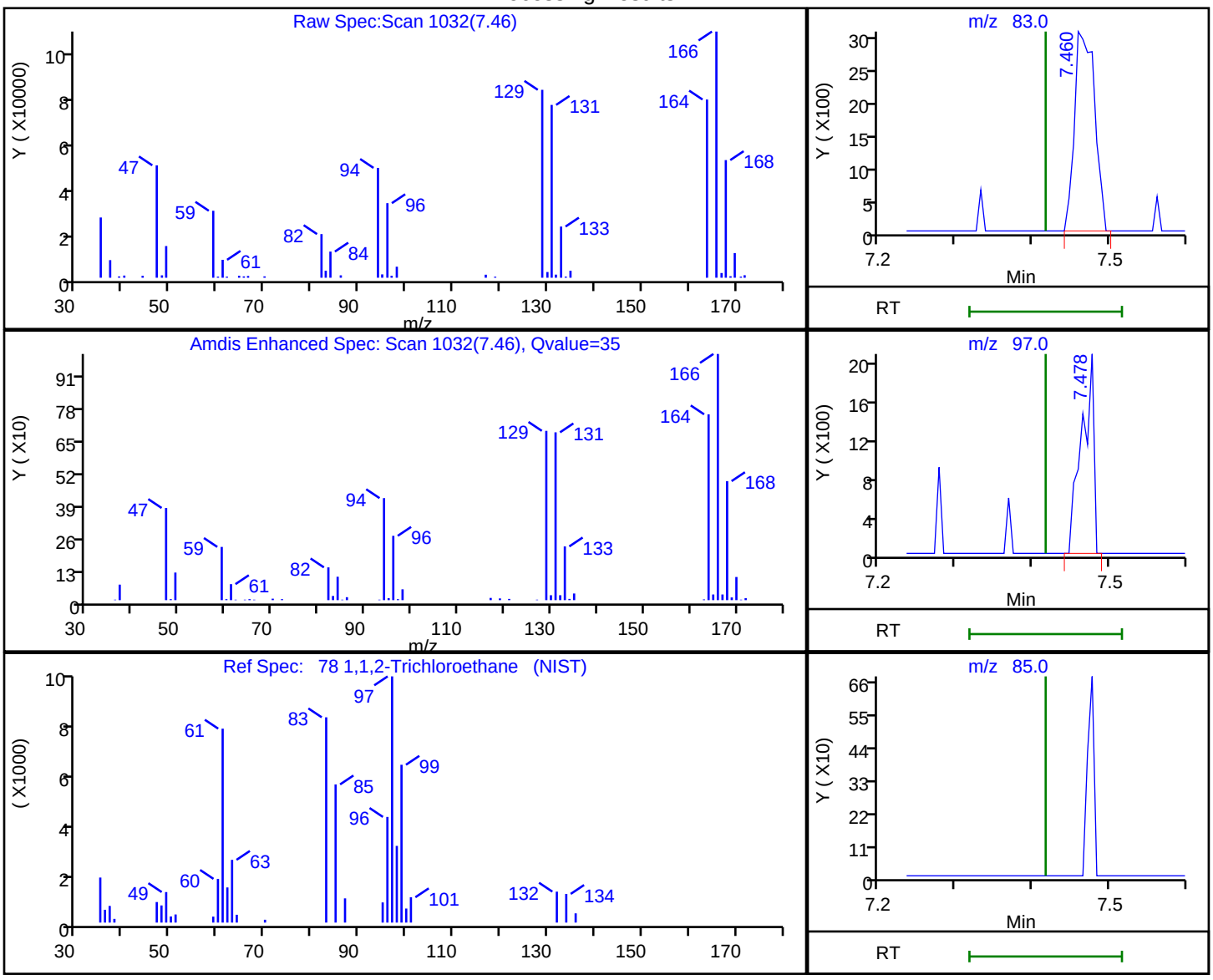
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1607.D				
Injection Date:	13-Feb-2020 04:38:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-B-4	Lab Sample ID:	480-166129-4		
Client ID:	DUP				
Operator ID:	AM	ALS Bottle#:	44	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.46	83.00	5521	0.742886
7.48	97.00	2213	
7.42	85.00	0	

Reviewer: lapointec, 13-Feb-2020 10:20:59

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-166129-5

Matrix: Water Lab File ID: N1608.D

Analysis Method: 8260C Date Collected: 02/07/2020 13:00

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 05:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517279 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-166129-5

Matrix: Water Lab File ID: N1608.D

Analysis Method: 8260C Date Collected: 02/07/2020 13:00

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 05:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517279 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1608.D
Lims ID: 480-166129-A-5
Client ID: EFFLUENT
Sample Type: Client
Inject. Date: 13-Feb-2020 05:02:30 ALS Bottle#: 45 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-166129-A-5
Misc. Info.: 480-0088134-025
Operator ID: AM Instrument ID: HP5973N

Method: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Feb-2020 10:24:26 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 13-Feb-2020 10:24:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	97	193513	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	90	685984	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	96	344660	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	93	236615	23.5	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	99	334282	23.8	
$ 6 Toluene-d8 (Surr)	98	6.876	6.875	0.001	96	886739	25.5	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	92	275472	23.9	
11 Dichlorodifluoromethane	85		1.254				ND	
13 Chloromethane	50		1.431				ND	
14 Vinyl chloride	62		1.522				ND	
15 Bromomethane	94		1.808				ND	
16 Chloroethane	64		1.899				ND	
18 Trichlorofluoromethane	101		2.112				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.599				ND	
22 1,1-Dichloroethene	96		2.605				ND	
23 Acetone	43	2.727	2.739	-0.006	75	5043	1.00	
25 Carbon disulfide	76		2.793				ND	U
28 Methyl acetate	43		3.025				ND	
30 Methylene Chloride	84		3.116				ND	
32 Methyl tert-butyl ether	73		3.329				ND	
33 trans-1,2-Dichloroethene	96		3.341				ND	
36 1,1-Dichloroethane	63		3.761				ND	
43 cis-1,2-Dichloroethene	96		4.320				ND	
44 2-Butanone (MEK)	43		4.357				ND	
50 Chloroform	83	4.637	4.637	0.006	97	20021	1.02	
51 1,1,1-Trichloroethane	97		4.740				ND	
52 Cyclohexane	56		4.740				ND	
53 Carbon tetrachloride	117		4.874				ND	
55 Benzene	78		5.093				ND	
57 1,2-Dichloroethane	62		5.166				ND	
60 Trichloroethene	95		5.707				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.823				ND	
63 1,2-Dichloropropane	63		5.951				ND	
67 Dichlorobromomethane	83		6.243				ND	U
71 cis-1,3-Dichloropropene	75		6.656				ND	
72 4-Methyl-2-pentanone (MIBK	58		6.802				ND	U
73 Toluene	92		6.942				ND	
75 trans-1,3-Dichloropropene	75		7.228				ND	
78 1,1,2-Trichloroethane	83		7.417				ND	
79 Tetrachloroethene	166		7.472				ND	
82 2-Hexanone	43		7.648				ND	
83 Chlorodibromomethane	129		7.812				ND	U
84 Ethylene Dibromide	107		7.916				ND	
85 Chlorobenzene	112		8.390				ND	
88 Ethylbenzene	91		8.481				ND	
90 m-Xylene & p-Xylene	106		8.609				ND	
91 o-Xylene	106		9.035				ND	
92 Styrene	104		9.066				ND	
93 Bromoform	173		9.321				ND	U
95 Isopropylbenzene	105		9.418				ND	
98 1,1,2,2-Tetrachloroethane	83		9.832				ND	
110 1,3-Dichlorobenzene	146		10.696				ND	
113 1,4-Dichlorobenzene	146		10.787				ND	
116 1,2-Dichlorobenzene	146		11.140				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.876				ND	
119 1,2,4-Trichlorobenzene	180		12.551				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00184	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00393	Amount Added:	1.00	Units: uL	Run Reagent

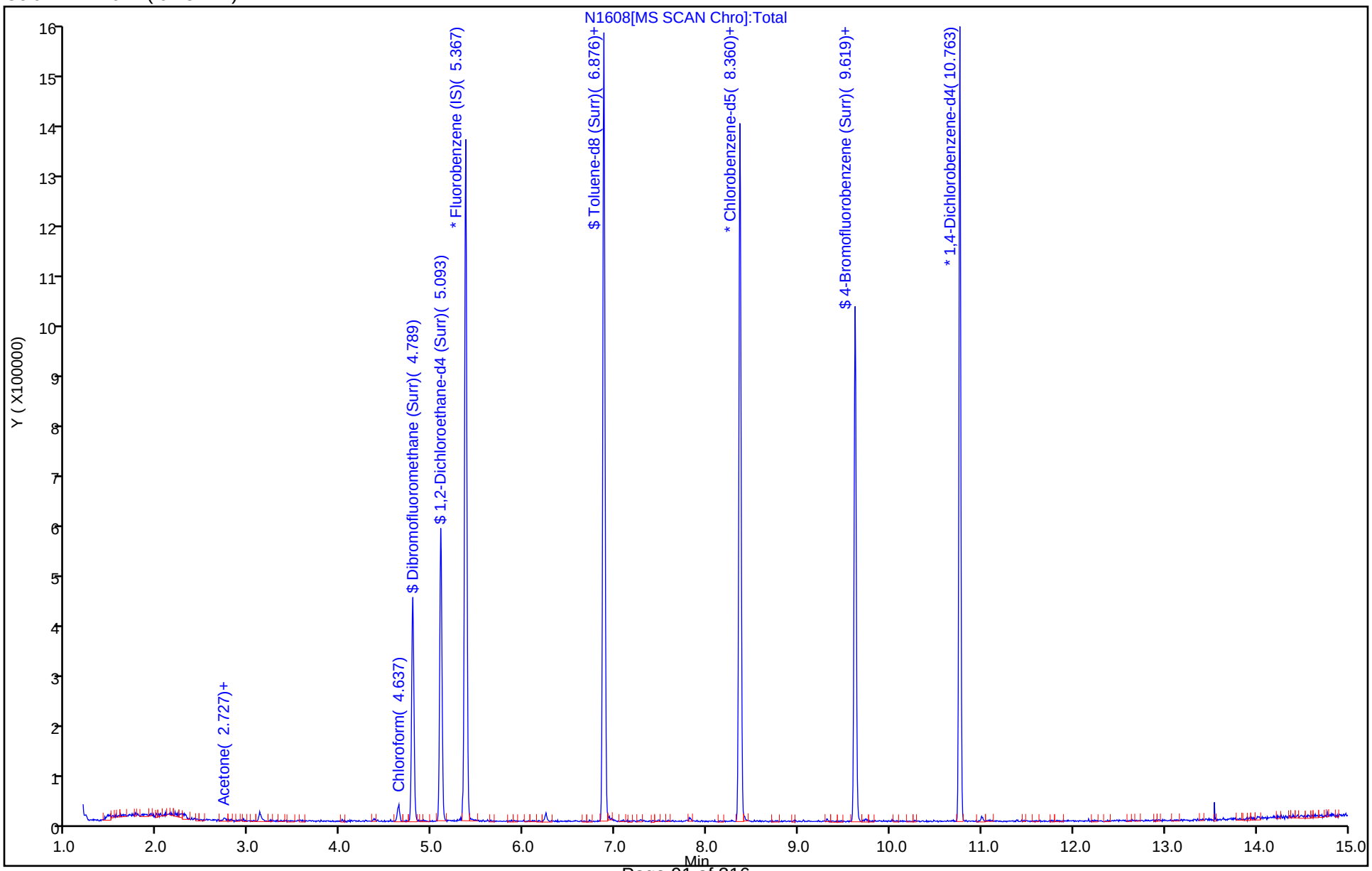
Report Date: 13-Feb-2020 10:24:26 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1608.D

Injection Date:	13-Feb-2020 05:02:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-166129-A-5	Lab Sample ID:	480-166129-5	Worklist Smp#:	25
Client ID:	EFFLUENT				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	45
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Report Date: 13-Feb-2020 10:24:26 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1608.D

Injection Date: 13-Feb-2020 05:02:30 Instrument ID: HP5973N

Lims ID: 480-166129-A-5 Lab Sample ID: 480-166129-5

Client ID: EFFLUENT

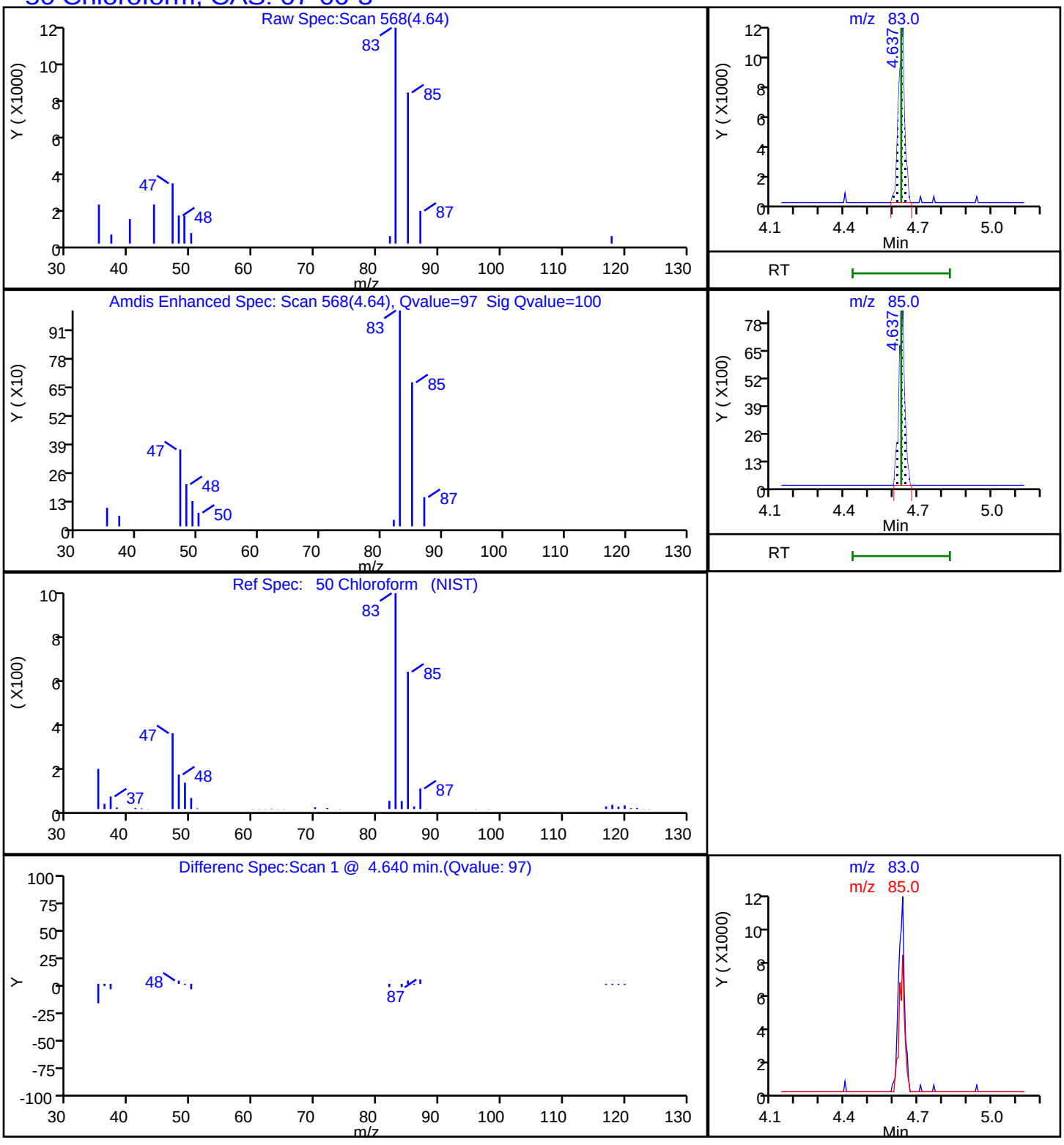
Operator ID: AM ALS Bottle#: 45 Worklist Smp#: 25

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: N-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm) Detector MS SCAN

50 Chloroform, CAS: 67-66-3



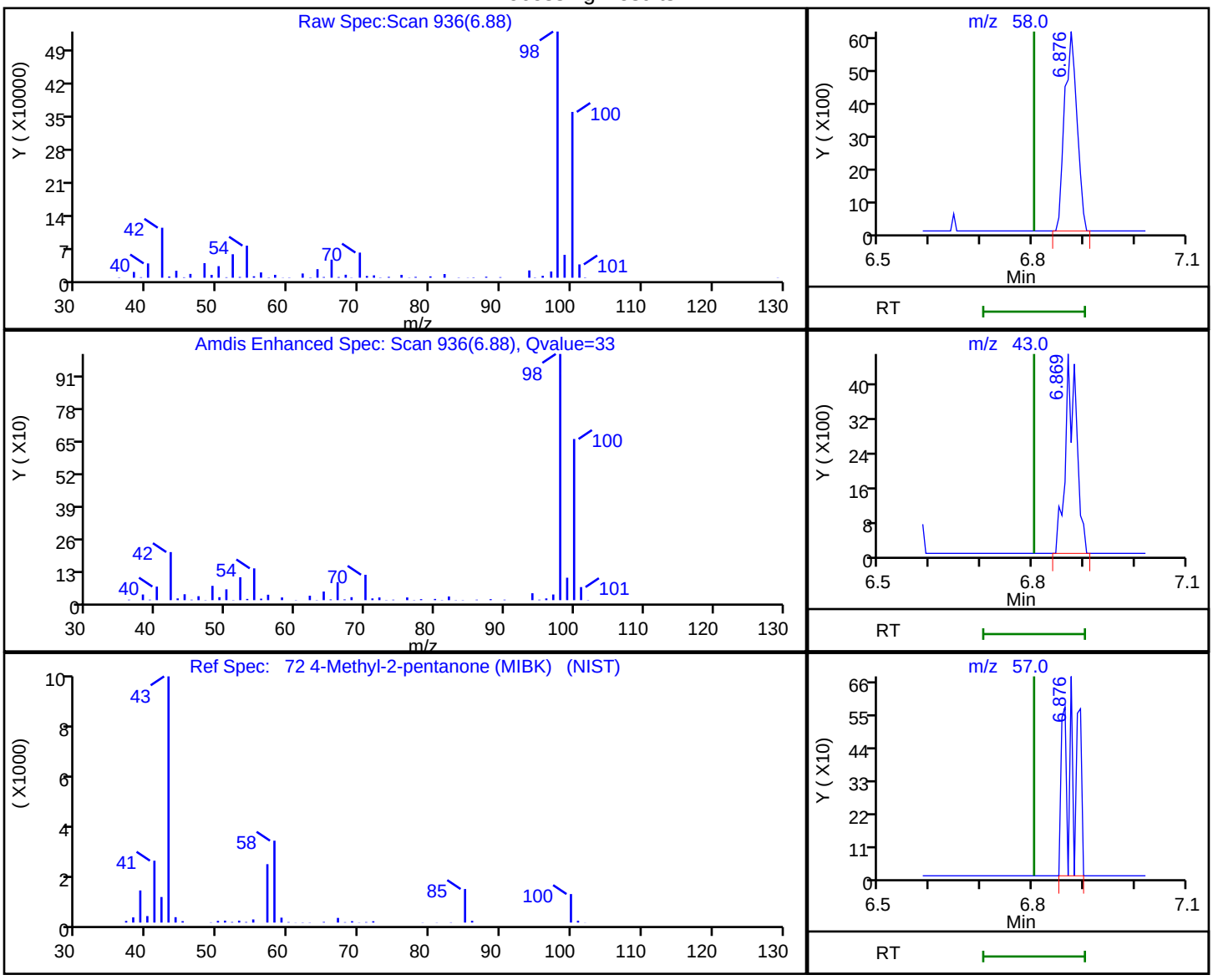
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1608.D				
Injection Date:	13-Feb-2020 05:02:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-5	Lab Sample ID:	480-166129-5		
Client ID:	EFFLUENT				
Operator ID:	AM	ALS Bottle#:	45	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.88	58.00	10380	1.834455
6.87	43.00	7110	
6.88	57.00	1051	

Reviewer: lapointec, 13-Feb-2020 10:23:23

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

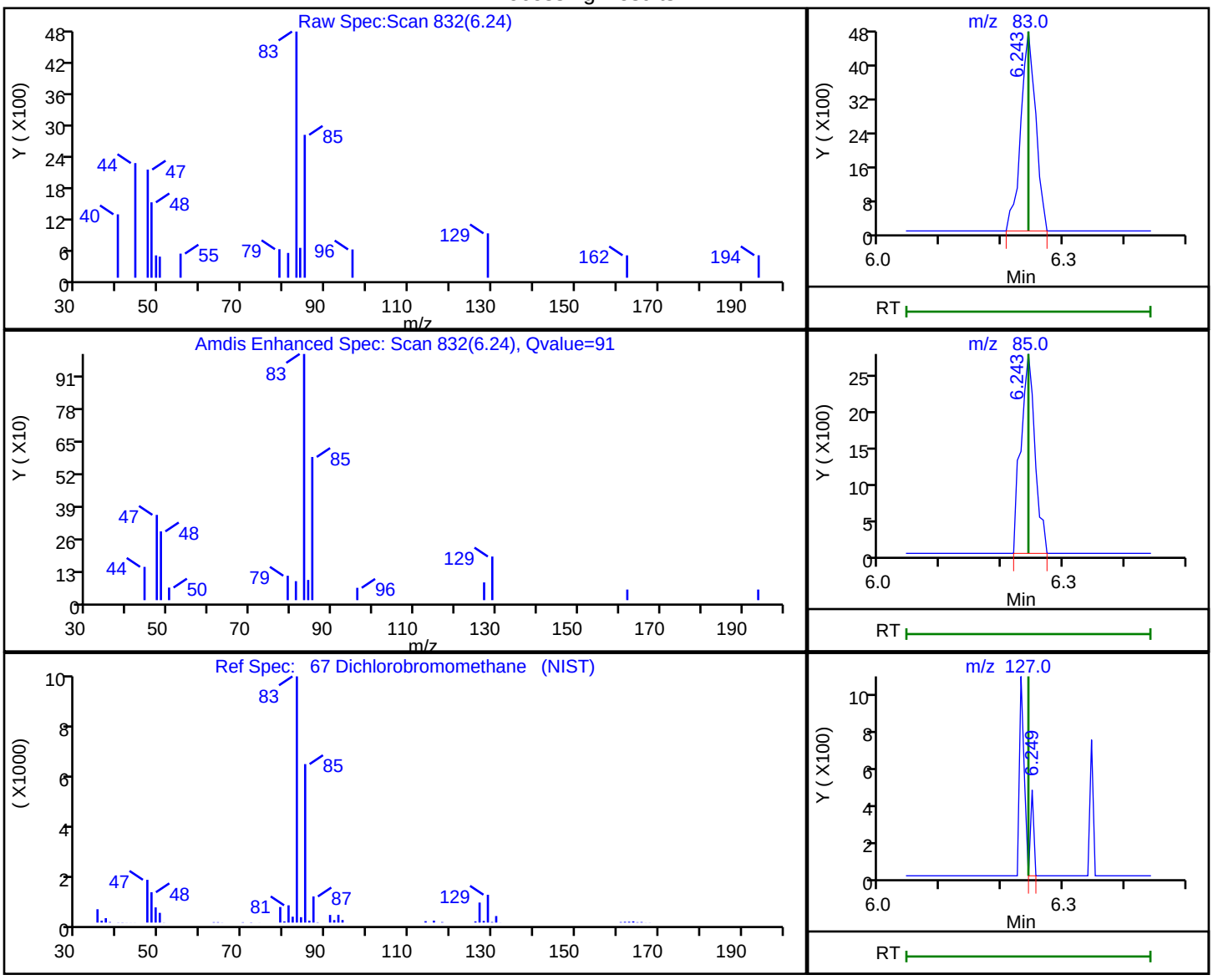
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1608.D				
Injection Date:	13-Feb-2020 05:02:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-5	Lab Sample ID:	480-166129-5		
Client ID:	EFFLUENT				
Operator ID:	AM	ALS Bottle#:	45	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

67 Dichlorobromomethane, CAS: 75-27-4

Processing Results



RT	Mass	Response	Amount
6.24	83.00	7995	0.584843
6.24	85.00	4383	
6.25	127.00	171	

Reviewer: lapointec, 13-Feb-2020 10:23:18

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

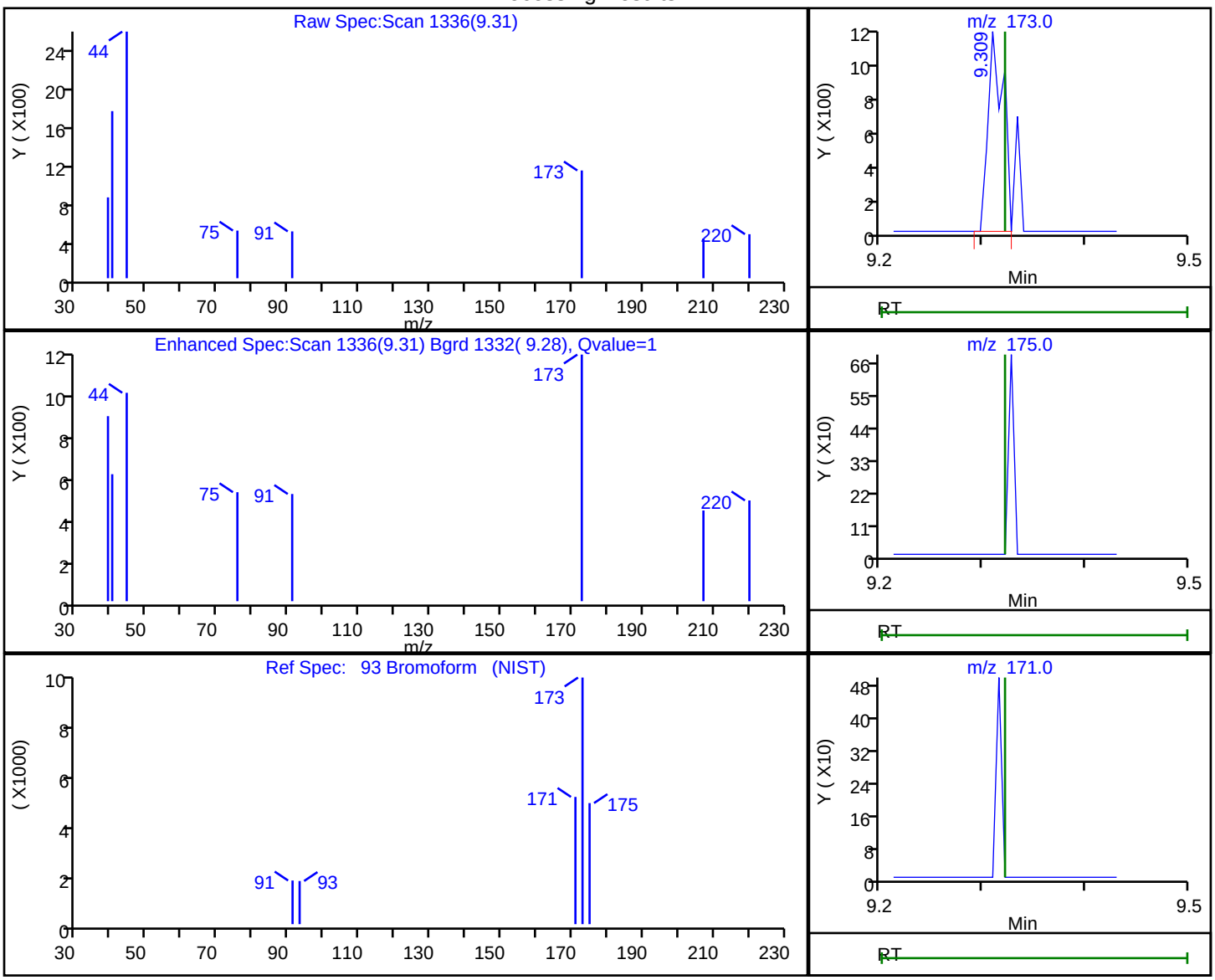
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1608.D				
Injection Date:	13-Feb-2020 05:02:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-5	Lab Sample ID:	480-166129-5		
Client ID:	EFFLUENT				
Operator ID:	AM	ALS Bottle#:	45	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

93 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
9.31	173.00	1148	0.180906
9.32	175.00	0	
9.32	171.00	0	

Reviewer: lapointec, 13-Feb-2020 10:24:10

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

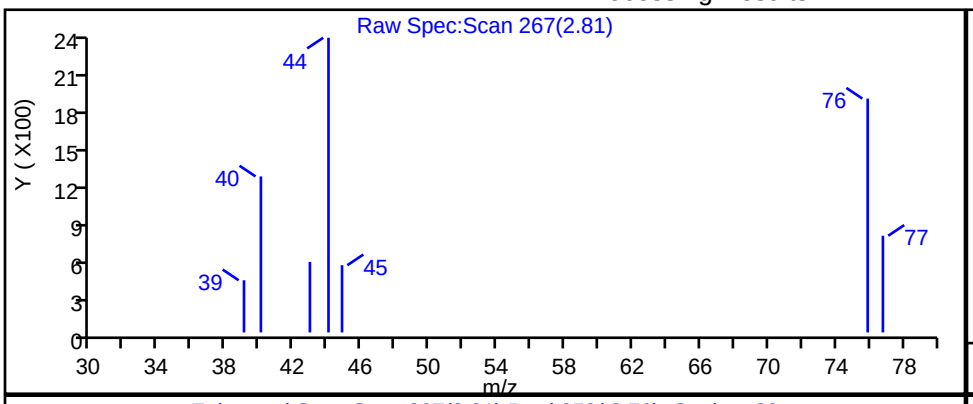
User Disabled Compound Report

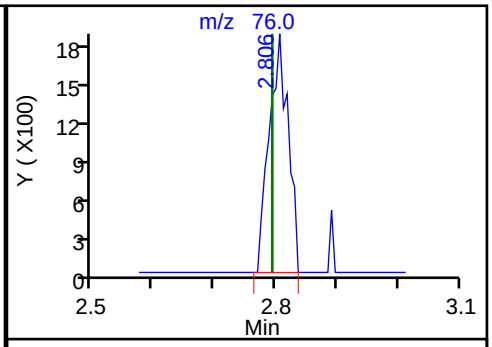
Eurofins TestAmerica, Buffalo

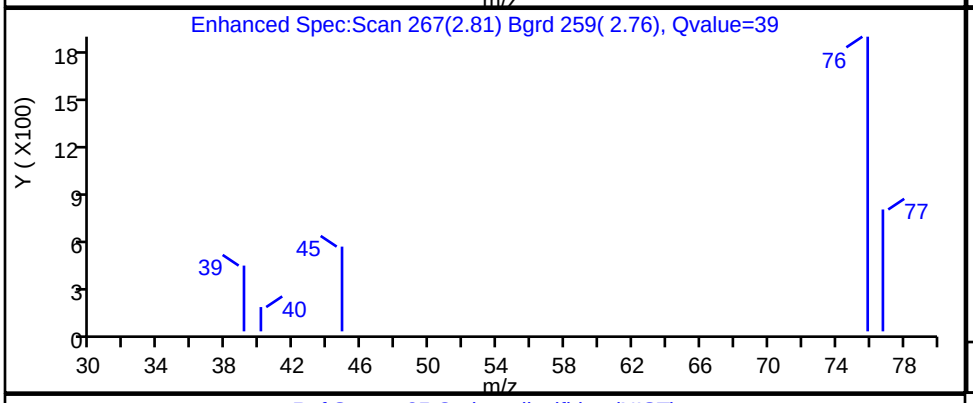
Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1608.D				
Injection Date:	13-Feb-2020 05:02:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-5	Lab Sample ID:	480-166129-5		
Client ID:	EFFLUENT				
Operator ID:	AM	ALS Bottle#:	45	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

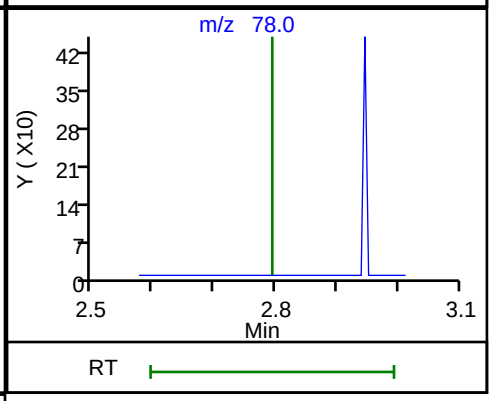
25 Carbon disulfide, CAS: 75-15-0

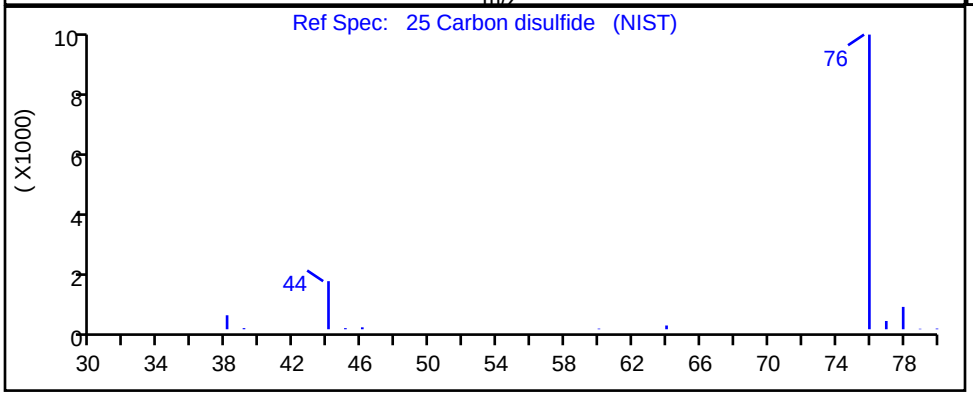
Processing Results











RT	Mass	Response	Amount
2.81	76.00	3975	0.123899
2.79	78.00	0	

Reviewer: lapointec, 13-Feb-2020 10:22:36

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

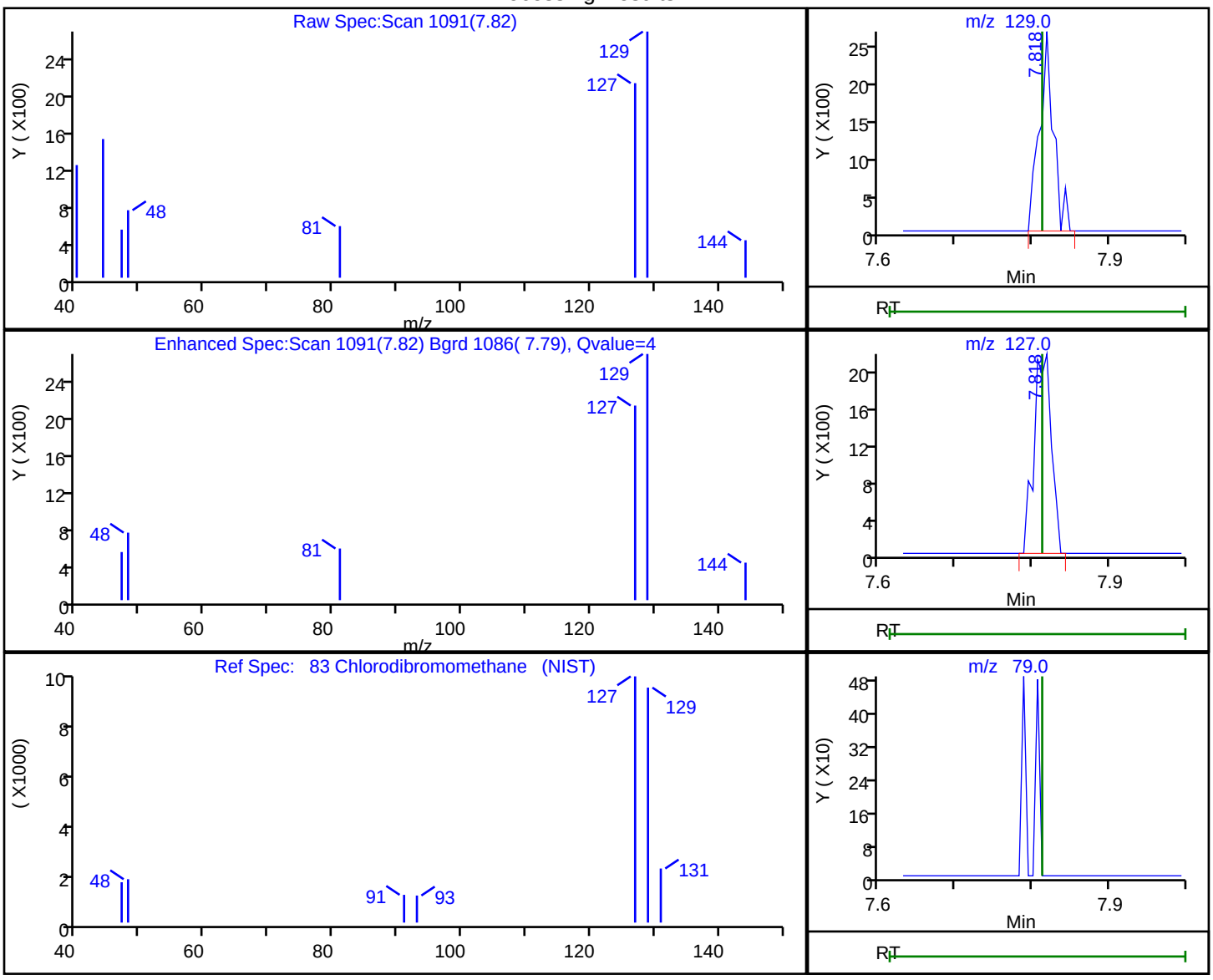
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1608.D				
Injection Date:	13-Feb-2020 05:02:30	Instrument ID:	HP5973N		
Lims ID:	480-166129-A-5	Lab Sample ID:	480-166129-5		
Client ID:	EFFLUENT				
Operator ID:	AM	ALS Bottle#:	45	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

83 Chlorodibromomethane, CAS: 124-48-1

Processing Results



RT	Mass	Response	Amount
7.82	129.00	3401	0.362677
7.82	127.00	3351	
7.81	79.00	0	

Reviewer: lapointec, 13-Feb-2020 10:23:49

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514164

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2020 17:59 Calibration End Date: 01/20/2020 20:49 Calibration ID: 38511

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-514164/6	N0802.D
Level 2	IC 480-514164/7	N0803.D
Level 3	IC 480-514164/8	N0804.D
Level 4	IC 480-514164/9	N0805.D
Level 5	IC 480-514164/10	N0806.D
Level 6	ICIS 480-514164/11	N0807.D
Level 7	IC 480-514164/12	N0808.D
Level 8	IC 480-514164/13	N0809.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.2988 1.3719	1.2539 1.2728	1.2962 1.2170	1.5508	1.3753	Ave		1.3296			0.1000	7.9		20.0			
Chloromethane	1.9660 2.3713	2.3475 2.1962	2.5624 2.1767	2.2486	2.3087	Ave		2.2722			0.1000	7.6		20.0			
Butadiene	1.9686 2.3236	2.1871 2.0441	2.4883 1.8737	2.3295	2.1006	Ave		2.1644				9.6		20.0			
Vinyl chloride	1.8632 1.8159	1.6549 1.5926	1.8573 1.5494	1.8304	1.6676	Ave		1.7289			0.1000	7.3		20.0			
Bromomethane	0.9928 1.0753	1.1633 1.0011	1.0805 0.9772	1.1148	1.0417	Ave		1.0558			0.1000	6.1		20.0			
Chloroethane	1.1870 1.1836	1.0881 1.0323	1.3437 1.0133	1.1387	1.0365	Ave		1.1279			0.1000	9.8		20.0			
Dichlorofluoromethane	2.5585 2.4987	2.4607 2.3166	2.8579 2.3124	2.6536	2.3962	Ave		2.5068				7.3		20.0			
Trichlorofluoromethane	+++++ 2.3578	2.1421 2.0153	2.3880 1.9457	2.3132	2.0846	Ave		2.1781			0.1000	8.1		20.0			
Ethyl ether	1.4772 1.5958	1.5928 1.5529	1.6897 1.5632	1.5001	1.5196	Ave		1.5614				4.3		20.0			
Acrolein	0.4066 0.4130	0.4326 0.4195	0.4767 0.4375	0.4344	0.4102	Ave		0.4288				5.3		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0891 1.2717	1.2200 1.1660	1.3736 1.0630	1.2084	1.0366	Ave		1.1785			0.1000	9.7		20.0			
1,1-Dichloroethene	0.9850 1.2700	1.3636 1.1755	1.3078 1.1289	1.1821	1.1109	Ave		1.1905			0.1000	10.2		20.0			
Acetone	0.7701 0.5565	0.7072 0.5819	0.6868 0.6461	0.6537	0.6353	Ave		0.6547			0.1000	10.4		20.0			
Iodomethane	2.3359 2.4592	2.4943 2.2727	2.6345 2.2862	2.2569	2.2429	Ave		2.3728				6.0		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514164

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2020 17:59 Calibration End Date: 01/20/2020 20:49 Calibration ID: 38511

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.0925 4.3004	4.5002 4.0384	4.4137 3.9256	4.0927	3.7946	Ave		4.1448			0.1000	5.8		20.0			
Allyl chloride	3.1947 3.4682	3.8422 3.3327	3.3419 3.3850	3.2142	3.0103	Ave		3.3486				7.3		20.0			
Methyl acetate	2.0732 1.6323	1.8224 1.6610	1.7131 1.7018	1.7947	1.6863	Ave		1.7606			0.1000	8.0		20.0			
Methylene Chloride	3.1866 1.5255	2.3972 1.3800	1.8792 1.3636	1.6712	1.4224	Lin1	0.9902	1.3742			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.1838 0.1365	0.1708 0.1428	0.1594 0.1661	0.1840	0.1563	Ave		0.1625				10.7		20.0			
Methyl tert-butyl ether	3.5882 4.0976	4.0390 3.8502	4.0929 4.0038	4.0134	3.7760	Ave		3.9326			0.1000	4.6		20.0			
trans-1,2-Dichloroethene	1.4614 1.4905	1.4340 1.3906	1.5599 1.3798	1.4532	1.2285	Ave		1.4248			0.1000	6.8		20.0			
Acrylonitrile	0.7709 0.7858	0.8059 0.7967	0.8704 0.8504	0.8535	0.7970	Ave		0.8163				4.5		20.0			
Hexane	2.6859 2.5706	2.6003 2.3703	2.8118 2.2209	2.2540	2.2256	Ave		2.4674				9.3		20.0			
1,1-Dichloroethane	3.0681 2.9902	3.4132 2.8635	2.9755 2.8927	2.9773	2.7188	Ave		2.9874			0.2000	6.7		20.0			
Vinyl acetate	4.3767 4.7564	4.6610 4.8322	4.6269 5.1732	4.5632	4.4234	Ave		4.6766				5.4		20.0			
2,2-Dichloropropane	1.4898 1.6156	1.6281 1.4417	1.7060 1.3833	1.5073	1.3629	Ave		1.5168				8.1		20.0			
cis-1,2-Dichloroethene	1.3231 1.5460	1.3593 1.5073	1.6398 1.4454	1.5710	1.4069	Ave		1.4748			0.1000	7.4		20.0			
2-Butanone (MEK)	1.2248 0.9501	1.0918 0.9938	1.0153 1.0649	1.0651	0.9889	Ave		1.0493			0.1000	8.1		20.0			
Chlorobromomethane	0.9195 0.7949	0.7384 0.7617	0.7932 0.7670	0.7714	0.7307	Ave		0.7846				7.5		20.0			
Tetrahydrofuran	0.8506 0.6525	0.7071 0.6735	0.6850 0.7090	0.6732	0.6869	Ave		0.7047				8.8		20.0			
Chloroform	2.2214 2.6120	2.7895 2.4764	2.7956 2.4872	2.4698	2.3641	Ave		2.5270			0.2000	7.9		20.0			
Cyclohexane	2.4534 3.2824	3.2652 3.1200	3.4278 2.8436	2.9528	2.6197	Ave		2.9956			0.1000	11.4		20.0			
1,1,1-Trichloroethane	1.9052 2.2470	2.1192 2.1943	2.3279 2.1454	2.1866	1.9684	Ave		2.1367			0.1000	6.5		20.0			
Carbon tetrachloride	1.7067 1.9943	1.6950 1.8882	1.9724 1.8528	1.8539	1.6022	Ave		1.8207			0.1000	7.7		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514164

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2020 17:59 Calibration End Date: 01/20/2020 20:49 Calibration ID: 38511

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.6816 1.8591	1.9938 1.7803	2.0004 1.7272	1.7595	1.6398	Ave		1.8052				7.5		20.0			
Benzene	5.3270 5.4076	5.4892 5.2333	5.6805 5.2496	5.2036	4.9614	Ave		5.3190			0.5000	4.0		20.0			
Isobutyl alcohol	0.0806 0.0665	0.0870 0.0741	0.0794 0.0818	0.0740	0.0755	Ave		0.0774				8.0		20.0			
1,2-Dichloroethane	3.0417 2.4968	2.6165 2.3888	2.6340 2.4716	2.4252	2.4028	Ave		2.5597			0.1000	8.4		20.0			
n-Heptane	2.3911 2.8241	3.1584 2.6604	3.0246 2.4732	2.4284	2.4627	Ave		2.6779				11.0		20.0			
Trichloroethene	1.5420 1.4262	1.4340 1.3816	1.3931 1.3858	1.3722	1.3386	Ave		1.4092			0.2000	4.4		20.0			
Methylcyclohexane	+++++ 2.4645	2.3754 2.2771	2.3350 2.1472	2.1387	1.9930	Ave		2.2473			0.1000	7.2		20.0			
1,2-Dichloropropane	1.5521 1.5386	1.6204 1.4816	1.6060 1.5313	1.5038	1.4128	Ave		1.5308			0.1000	4.4		20.0			
Dibromomethane	0.7793 0.9013	0.8261 0.8723	0.8202 0.8835	0.8576	0.8555	Ave		0.8495			0.1000	4.6		20.0			
1,4-Dioxane	+++++ 0.0016	+++++ 0.0016	0.0017 0.0019	0.0026	0.0022	Ave		0.0019				20.0		20.0			
Bromodichloromethane	1.6977 1.8149	1.7801 1.8080	1.7898 1.8925	1.7027	1.6429	Ave		1.7661			0.2000	4.5		20.0			
2-Chloroethyl vinyl ether	0.8627 0.9419	1.0193 0.9997	0.9030 1.0515	0.9334	0.9353	Ave		0.9559				6.6		20.0			
cis-1,3-Dichloropropene	1.6003 2.0427	1.8915 2.0166	1.9862 2.1468	1.8701	1.9201	Ave		1.9343			0.2000	8.4		20.0			
4-Methyl-2-pentanone (MIBK)	0.1861 0.1998	0.2045 0.2112	0.1989 0.2136	0.2173	0.2183	Ave		0.2062			0.1000	5.3		20.0			
Toluene	0.8485 0.8826	0.9556 0.8597	0.9208 0.8625	0.8240	0.8508	Ave		0.8756			0.4000	4.9		20.0			
trans-1,3-Dichloropropene	+++++ 0.5085	0.4818 0.5187	0.4391 0.5406	0.4896	0.4886	Ave		0.4953			0.1000	6.5		20.0			
Ethyl methacrylate	0.4116 0.4388	0.4361 0.4594	0.4127 0.4639	0.4195	0.4493	Ave		0.4364				4.7		20.0			
1,1,2-Trichloroethane	0.3216 0.2604	0.2552 0.2602	0.2914 0.2584	0.2548	0.2695	Ave		0.2715			0.1000	8.7		20.0			
Tetrachloroethene	+++++ 0.4285	0.4175 0.3984	0.4362 0.3820	0.3755	0.3938	Ave		0.4045			0.2000	5.8		20.0			
1,3-Dichloropropane	0.5502 0.5074	0.5642 0.5166	0.5091 0.5194	0.4882	0.5281	Ave		0.5229				4.7		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514164

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2020 17:59 Calibration End Date: 01/20/2020 20:49 Calibration ID: 38511

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.3942 0.3929	0.3952 0.4172	0.3885 0.4286	0.3954	0.4030	Ave		0.4019			0.1000	3.5		20.0			
Dibromochloromethane	0.3230 0.3631	0.3277 0.3719	0.2986 0.3906	0.3201	0.3390	Ave		0.3418			0.1000	9.0		20.0			
1,2-Dibromoethane	0.3266 0.3297	0.3178 0.3407	0.3304 0.3479	0.3333	0.3314	Ave		0.3322				2.7		20.0			
Chlorobenzene	1.0847 1.0036	1.0431 0.9742	1.0543 0.9837	0.9911	0.9826	Ave		1.0147			0.5000	4.0		20.0			
Ethylbenzene	1.6987 1.6747	1.7506 1.6463	1.6231 1.6468	1.6052	1.5702	Ave		1.6519			0.1000	3.4		20.0			
1,1,1,2-Tetrachloroethane	0.3618 0.3890	0.3208 0.3885	0.3547 0.3906	0.3854	0.3683	Ave		0.3699				6.5		20.0			
m,p-Xylene	0.6207 0.6563	0.6586 0.6584	0.6963 0.6458	0.6044	0.6378	Ave		0.6473			0.1000	4.3		20.0			
o-Xylene	0.5983 0.6759	0.5842 0.6632	0.6975 0.6491	0.6585	0.6633	Ave		0.6488			0.3000	5.9		20.0			
Styrene	0.9185 1.0891	1.0410 1.0728	1.0221 1.0949	0.9670	1.0315	Ave		1.0296			0.3000	5.9		20.0			
Bromoform	+++++ 0.2460	0.2087 0.2589	0.2098 0.2699	0.2116	0.2139	Ave		0.2313			0.1000	11.3		20.0			
Isopropylbenzene	2.8097 3.1386	2.7961 3.1320	3.1735 3.0371	3.0222	2.8476	Ave		2.9946			0.1000	5.2		20.0			
Bromobenzene	0.8323 0.7948	0.7825 0.7921	0.7483 0.7865	0.7896	0.7439	Ave		0.7838				3.6		20.0			
1,1,2,2-Tetrachloroethane	0.8183 0.8331	0.8496 0.8263	0.7796 0.8145	0.8634	0.7985	Ave		0.8229			0.3000	3.3		20.0			
N-Propylbenzene	3.2993 3.6377	3.5311 3.6701	3.6508 3.6024	3.4528	3.3951	Ave		3.5299				3.8		20.0			
1,2,3-Trichloropropane	+++++ 0.2465	0.3076 0.2640	0.2454 0.2596	0.2579	0.2621	Ave		0.2633				7.9		20.0			
trans-1,4-Dichloro-2-butene	0.3048 0.3280	0.2591 0.3727	0.1956 +++++	0.2712	0.2912	Ave		0.2890				19.3		20.0			
2-Chlorotoluene	0.7327 0.7854	0.6275 0.7639	0.8032 0.7367	0.7066	0.7175	Ave		0.7342				7.4		20.0			
1,3,5-Trimethylbenzene	2.2937 2.6713	2.5680 2.6997	2.6051 2.5947	2.4454	2.4658	Ave		2.5429				5.3		20.0			
4-Chlorotoluene	2.4864 2.2429	2.2751 2.2624	2.1766 2.2683	2.1337	2.1219	Ave		2.2459				5.1		20.0			
tert-Butylbenzene	0.6136 0.6098	0.6556 0.5947	0.5971 0.5844	0.5511	0.5670	Ave		0.5967				5.3		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514164

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2020 17:59 Calibration End Date: 01/20/2020 20:49 Calibration ID: 38511

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.7285 2.6984	2.5951 2.6954	2.5422 2.6661	2.5411	2.4564	Ave		2.6154				3.7		20.0			
sec-Butylbenzene	2.7675 3.3582	3.0954 3.3585	3.4098 3.2891	3.1796	3.0754	Ave		3.1917				6.7		20.0			
1,3-Dichlorobenzene	1.2851 1.5701	1.4449 1.5410	1.6439 1.5652	1.5289	1.5249	Ave		1.5130			0.6000	7.1		20.0			
4-Isopropyltoluene	2.4154 3.1584	2.7884 3.1722	3.0627 3.1312	2.9154	2.8491	Ave		2.9366				8.7		20.0			
1,4-Dichlorobenzene	1.6524 1.5757	1.6986 1.5918	1.7002 1.5719	1.5700	1.4516	Ave		1.6015			0.5000	5.1		20.0			
n-Butylbenzene	2.3907 2.6410	2.5768 2.6032	2.2630 2.5486	2.3713	2.4495	Ave		2.4805				5.3		20.0			
1,2-Dichlorobenzene	1.4511 1.5888	1.6028 1.5718	1.6096 1.5490	1.5931	1.5659	Ave		1.5665			0.4000	3.2		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1577	0.1292 0.1646	0.1429 0.1592	0.1395	0.1408	Ave		0.1477			0.0500	8.7		20.0			
1,2,4-Trichlorobenzene	0.9548 1.0375	1.0459 1.0126	1.0636 1.0002	1.0176	1.0532	Ave		1.0232			0.2000	3.4		20.0			
Hexachlorobutadiene	0.4951 0.5129	0.4908 0.4820	0.5842 0.4716	0.4841	0.4778	Ave		0.4998				7.3		20.0			
Naphthalene	2.2410 2.6588	2.2418 2.7537	2.5917 2.7322	2.6723	2.6587	Ave		2.5688				8.1		20.0			
1,2,3-Trichlorobenzene	0.7850 0.9530	0.9584 0.9464	0.9128 0.9229	0.9534	0.9369	Ave		0.9211				6.2		20.0			
Dibromofluoromethane (Surr)	1.2383 1.3408	1.2977 1.3232	1.3463 1.3151	1.2795	1.2596	Ave		1.3001				3.0		20.0			
1,2-Dichloroethane-d4 (Surr)	1.7581 1.8470	1.7907 1.8327	1.8525 1.8480	1.8161	1.7691	Ave		1.8143				2.1		20.0			
Toluene-d8 (Surr)	1.2813 1.2288	1.2794 1.2946	1.2623 1.2550	1.2644	1.2920	Ave		1.2697				1.7		20.0			
4-Bromofluorobenzene (Surr)	0.4064 0.4161	0.4204 0.4299	0.4221 0.4390	0.4147	0.4179	Ave		0.4208				2.4		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514164

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2020 17:59 Calibration End Date: 01/20/2020 20:49 Calibration ID: 38511

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-514164/6	N0802.D
Level 2	IC 480-514164/7	N0803.D
Level 3	IC 480-514164/8	N0804.D
Level 4	IC 480-514164/9	N0805.D
Level 5	IC 480-514164/10	N0806.D
Level 6	ICIS 480-514164/11	N0807.D
Level 7	IC 480-514164/12	N0808.D
Level 8	IC 480-514164/13	N0809.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4855 241174	9335 470908	17881 923764	54616	102760	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	7349 416867	17477 812584	35347 1652253	79191	172498	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	7359 408483	16283 756283	34325 1422258	82041	156946	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	6965 319227	12321 589258	25621 1176128	64462	124600	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3711 189026	8661 370390	14905 741739	39262	77832	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	4437 208062	8101 381932	18535 769202	40101	77446	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	9564 439257	18320 857105	39423 1755291	93454	179038	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 414494	15948 745646	32941 1476949	81464	155756	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5522 280536	11858 574552	23308 1186595	52831	113540	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	7599 363030	16102 775979	32881 1660656	76488	153232	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	4071 223558	9083 431398	18948 806871	42556	77452	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	3682 223267	10152 434930	18041 856932	41629	83005	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	14393 489137	26325 1076516	47367 2452192	115107	237324	2.50 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	8732 432307	18570 840863	36342 1735426	79483	167579	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	15298 755984	33504 1494161	60885 2979830	144136	283518	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514164

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2020 17:59 Calibration End Date: 01/20/2020 20:49 Calibration ID: 38511

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	11942 609681	28605 1233067	46100 2569475	113197	224917	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	15500 573891	27136 1229101	47263 2583600	126413	251984	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	11912 268166	17847 510603	25923 1035076	58855	106278	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	6871 240044	12714 528176	21987 1260543	64810	116799	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	13413 720341	30070 1424541	56460 3039172	141342	282129	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	5463 262025	10676 514511	21518 1047410	51177	91792	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	28817 1381370	59997 2947610	120070 6455134	300579	595497	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	10040 451894	19359 876970	38788 1685855	79380	166292	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	11469 525662	25411 1059450	41046 2195812	104852	203138	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	32721 1672300	69402 3575750	127650 7853633	321410	660996	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5569 284014	12121 533417	23533 1050053	53082	101828	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4946 271778	10120 557680	22620 1097153	55326	105117	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	22892 835089	40643 1838564	70031 4041563	187549	369437	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	3437 139746	5497 281831	10942 582204	27168	54598	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	6359 229424	10528 498356	18899 1076429	47415	102649	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	8304 459181	20768 916253	38564 1887951	86982	176637	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	9171 577024	24309 1154361	47285 2158496	103990	195736	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	7122 395011	15777 811853	32112 1628548	77006	147069	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	6380 350583	12619 698618	27208 1406388	65289	119711	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	6286 326817	14844 658689	27595 1311058	61964	122517	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	19913 950632	40867 1936254	78359 3984836	183258	370696	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514164

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2020 17:59 Calibration End Date: 01/20/2020 20:49 Calibration ID: 38511

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	7530 292290	16194 685734	27368 1553187	65187	140939	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	11370 438925	19480 883850	36334 1876100	85411	179528	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	8938 496461	23514 984322	41723 1877339	85523	184002	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5764 250712	10676 511188	19217 1051895	48324	100019	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 433239	17685 842495	32210 1629853	75320	148911	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	5802 270485	12064 548173	22154 1162355	52959	105563	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2913 158435	6150 322725	11314 670656	30202	63919	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 21372	+++++ 43835	1715 107112	6445	11242	+++++ 500	+++++ 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	6346 319050	13253 668957	24689 1436534	59966	122750	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3225 165584	7589 369863	12456 798205	32872	69881	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	5982 359088	14082 746113	27398 1629596	65862	143462	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	12544 650917	26810 1430015	50742 3082644	135412	282056	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	11437 575155	25052 1164428	46974 2489795	102686	219862	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 331381	12631 702559	22400 1560416	61020	126263	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	5548 285985	11432 622192	21055 1339029	52273	116113	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4335 169728	6691 352472	14865 745933	31757	69633	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 279238	10946 539623	22250 1102662	46792	101754	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	7416 330661	14791 699723	25973 1499266	60846	136481	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	26564 1280285	51807 2825202	99093 6186242	246395	520758	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	4353 236649	8591 503751	15235 1127401	39897	87597	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	4402 214833	8332 461433	16853 1004117	41535	85640	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514164

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2020 17:59 Calibration End Date: 01/20/2020 20:49 Calibration ID: 38511

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	14620 654052	27347 1319492	53785 2839649	123509	253912	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	22896 1091368	45895 2229832	82800 4753843	200038	405774	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	4876 253492	8411 526250	18096 1127483	48033	95187	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	8366 427722	17266 891717	35523 1864221	75323	164828	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	8064 440502	15317 898330	35584 1873586	82069	171408	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	12380 709747	27291 1453065	52140 3160457	120504	266546	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	+++++ 160342	5471 350640	10703 779067	26374	55288	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	20684 1141973	40992 2317651	88986 4868178	207553	419351	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	6127 289184	11472 586172	20983 1260692	54228	109549	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6024 303112	12456 611497	21861 1305504	59294	117595	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	24288 1323558	51768 2715885	102370 5774312	237124	499969	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 89680	4509 195359	6882 416042	17713	38595	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2244 119357	3799 275797	5486 +++++	18628	42885	0.500 25.0	1.00 50.0	2.00 +++++	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	5394 285765	9199 565261	22521 1180796	48526	105662	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	16885 971937	37648 1997768	73048 4159050	167938	363117	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	18304 816074	33354 1674174	61034 3635924	146533	312471	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	4517 221885	9612 440070	16743 936778	37847	83504	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	20086 981787	38046 1994607	71285 4273526	174515	361733	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	20373 1221872	45380 2485305	95613 5272022	218358	452892	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	9460 571286	21183 1140353	46097 2508805	105000	224555	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	17781 1149154	40879 2347415	85879 5018991	200214	419573	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514164

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2020 17:59 Calibration End Date: 01/20/2020 20:49 Calibration ID: 38511

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	12164 573297	24903 1177904	47675 2519604	107818	213768	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	17599 960906	37777 1926350	63456 4085160	162848	360724	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	10682 578060	23498 1163097	45133 2482915	109407	230598	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 57389	1894 121783	4007 255205	9583	20740	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	7029 377486	15334 749327	29825 1603253	69881	155097	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	3645 186619	7196 356682	16381 755869	33249	70358	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	16497 967397	32866 2037724	72673 4379508	183520	391530	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	5779 346761	14051 700298	25594 1479237	65475	137976	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	231446 235705	241527 244781	232146 249564	225312	235283	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	328597 324696	333292 339037	319432 350693	319798	330453	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	863483 800810	838549 876750	804916 905716	787857	834708	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	273879 271153	275557 291118	269178 316789	258401	269967	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0802.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Jan-2020 17:59:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0087605-006
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Jan-2020 11:48:37 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: moffata Date: 21-Jan-2020 07:17:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	98	186905	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	93	673915	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	96	368077	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	92	231446	25.0	23.8	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	99	328597	25.0	24.2	
$ 6 Toluene-d8 (Surr)	98	6.875	6.876	-0.001	96	863483	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	89	273879	25.0	24.1	
11 Dichlorodifluoromethane	85	1.260	1.260	0.000	53	4855	0.5000	0.4884	
13 Chloromethane	50	1.431	1.437	-0.006	56	7349	0.5000	0.4326	
144 Butadiene	54	1.522	1.522	0.000	92	7359	0.5000	0.4548	
14 Vinyl chloride	62	1.528	1.528	0.000	66	6965	0.5000	0.5388	
15 Bromomethane	94	1.790	1.802	-0.012	26	3711	0.5000	0.4701	
16 Chloroethane	64	1.899	1.899	0.000	33	4437	0.5000	0.5262	
18 Trichlorofluoromethane	101	2.124	2.106	0.018	29	5499	0.5000	0.3377	
17 Dichlorofluoromethane	67	2.112	2.118	-0.006	42	9564	0.5000	0.5103	
19 Ethyl ether	59	2.392	2.392	0.000	72	5522	0.5000	0.4730	
20 Acrolein	56	2.580	2.574	0.006	54	7599	2.50	2.37	
21 1,1,2-Trichloro-1,2,2-trif	101	2.605	2.599	0.006	0	4071	0.5000	0.4620	M
22 1,1-Dichloroethene	96	2.605	2.605	0.000	76	3682	0.5000	0.4137	
23 Acetone	43	2.726	2.733	-0.007	94	14393	2.50	2.94	
24 Iodomethane	142	2.763	2.769	-0.006	91	8732	0.5000	0.4922	
25 Carbon disulfide	76	2.793	2.800	-0.007	78	15298	0.5000	0.4937	
27 3-Chloro-1-propene	41	2.976	2.976	0.000	84	11942	0.5000	0.4770	
28 Methyl acetate	43	3.031	3.025	0.006	21	15500	1.00	1.18	a
30 Methylene Chloride	84	3.116	3.122	-0.006	87	11912	0.5000	0.4389	
31 2-Methyl-2-propanol	59	3.304	3.298	0.006	79	6871	5.00	5.66	
32 Methyl tert-butyl ether	73	3.335	3.329	0.006	90	13413	0.5000	0.4562	
33 trans-1,2-Dichloroethene	96	3.347	3.341	0.006	86	5463	0.5000	0.5129	
34 Acrylonitrile	53	3.408	3.408	0.000	93	28817	5.00	4.72	
35 Hexane	57	3.536	3.542	-0.006	89	10040	0.5000	0.5443	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.767	3.761	0.006	93	11469	0.5000	0.5135	
39 Vinyl acetate	43	3.815	3.822	-0.007	96	32721	1.00	0.9359	
42 2,2-Dichloropropane	77	4.278	4.278	0.000	46	5569	0.5000	0.4911	
43 cis-1,2-Dichloroethene	96	4.314	4.320	-0.006	27	4946	0.5000	0.4486	
44 2-Butanone (MEK)	43	4.357	4.357	0.000	94	22892	2.50	2.92	
47 Chlorobromomethane	128	4.552	4.552	0.000	87	3437	0.5000	0.5859	
49 Tetrahydrofuran	42	4.576	4.576	0.000	86	6359	1.00	1.21	
50 Chloroform	83	4.631	4.631	0.000	86	8304	0.5000	0.4395	
51 1,1,1-Trichloroethane	97	4.746	4.740	0.006	72	7122	0.5000	0.4458	
52 Cyclohexane	56	4.734	4.740	-0.006	57	9171	0.5000	0.4095	
53 Carbon tetrachloride	117	4.874	4.880	-0.006	79	6380	0.5000	0.4687	
54 1,1-Dichloropropene	75	4.886	4.892	-0.006	84	6286	0.5000	0.4658	
55 Benzene	78	5.093	5.099	-0.006	41	19913	0.5000	0.5008	
56 Isobutyl alcohol	43	5.123	5.130	-0.007	64	7530	12.5	13.0	
57 1,2-Dichloroethane	62	5.166	5.160	0.006	89	11370	0.5000	0.5941	a
59 n-Heptane	43	5.282	5.276	0.006	95	8938	0.5000	0.4464	
60 Trichloroethene	95	5.707	5.708	-0.001	86	5764	0.5000	0.5471	
62 Methylcyclohexane	83	5.829	5.817	0.012	89	6953	0.5000	0.4138	
63 1,2-Dichloropropane	63	5.951	5.945	0.006	76	5802	0.5000	0.5070	
64 Dibromomethane	93	6.085	6.085	0.000	78	2913	0.5000	0.4587	
66 1,4-Dioxane	88		6.097				ND	ND	
67 Dichlorobromomethane	83	6.237	6.243	-0.006	90	6346	0.5000	0.4806	
69 2-Chloroethyl vinyl ether	63	6.529	6.523	0.006	81	3225	0.5000	0.4513	
71 cis-1,3-Dichloropropene	75	6.656	6.657	-0.001	76	5982	0.5000	0.4137	
72 4-Methyl-2-pentanone (MIBK	58	6.802	6.803	-0.001	98	12544	2.50	2.26	
73 Toluene	92	6.942	6.942	0.000	95	11437	0.5000	0.4846	
75 trans-1,3-Dichloropropene	75	7.228	7.228	0.000	87	4425	0.5000	0.3314	
77 Ethyl methacrylate	69	7.271	7.271	0.000	85	5548	0.5000	0.4716	
78 1,1,2-Trichloroethane	83	7.429	7.417	0.012	87	4335	0.5000	0.5924	
79 Tetrachloroethene	166	7.478	7.472	0.006	83	4339	0.5000	0.3979	
80 1,3-Dichloropropane	76	7.575	7.575	0.000	90	7416	0.5000	0.5261	
82 2-Hexanone	43	7.648	7.642	0.006	98	26564	2.50	2.45	
83 Chlorodibromomethane	129	7.812	7.812	0.000	25	4353	0.5000	0.4725	
84 Ethylene Dibromide	107	7.916	7.916	0.000	88	4402	0.5000	0.4916	
85 Chlorobenzene	112	8.390	8.396	-0.006	85	14620	0.5000	0.5345	a
88 Ethylbenzene	91	8.482	8.482	0.000	94	22896	0.5000	0.5142	
89 1,1,1,2-Tetrachloroethane	131	8.494	8.488	0.006	46	4876	0.5000	0.4890	
90 m-Xylene & p-Xylene	106	8.603	8.603	0.000	98	8366	0.5000	0.4795	
91 o-Xylene	106	9.035	9.035	0.000	95	8064	0.5000	0.4611	
92 Styrene	104	9.066	9.066	0.000	95	12380	0.5000	0.4461	
93 Bromoform	173	9.309	9.309	0.000	11	2472	0.5000	0.3965	
95 Isopropylbenzene	105	9.418	9.418	0.000	96	20684	0.5000	0.4691	
97 Bromobenzene	156	9.771	9.771	0.000	90	6127	0.5000	0.5310	M
98 1,1,2,2-Tetrachloroethane	83	9.832	9.832	0.000	88	6024	0.5000	0.4972	
100 N-Propylbenzene	91	9.850	9.850	0.000	98	24288	0.5000	0.4673	
99 1,2,3-Trichloropropane	110	9.856	9.857	0.000	54	1184	0.5000	0.3054	
101 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	1	2244	0.5000	0.5274	
102 2-Chlorotoluene	126	9.954	9.954	0.000	94	5394	0.5000	0.4990	
104 1,3,5-Trimethylbenzene	105	10.027	10.027	0.000	94	16885	0.5000	0.4510	
105 4-Chlorotoluene	91	10.063	10.063	0.000	97	18304	0.5000	0.5535	M
106 tert-Butylbenzene	134	10.343	10.343	0.000	92	4517	0.5000	0.5142	
108 1,2,4-Trimethylbenzene	105	10.398	10.404	-0.006	95	20086	0.5000	0.5216	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.556	10.556	0.000	94	20373	0.5000	0.4335	
110 1,3-Dichlorobenzene	146	10.696	10.696	0.000	85	9460	0.5000	0.4247	
111 4-Isopropyltoluene	119	10.702	10.702	0.000	96	17781	0.5000	0.4113	
113 1,4-Dichlorobenzene	146	10.787	10.787	0.000	84	12164	0.5000	0.5159	
115 n-Butylbenzene	91	11.085	11.085	0.000	97	17599	0.5000	0.4819	
116 1,2-Dichlorobenzene	146	11.140	11.140	0.000	92	10682	0.5000	0.4632	
117 1,2-Dibromo-3-Chloropropan	75	11.870	11.876	-0.006	1	382	0.5000	0.1757	
119 1,2,4-Trichlorobenzene	180	12.545	12.545	0.000	86	7029	0.5000	0.4666	
120 Hexachlorobutadiene	225	12.661	12.661	0.000	82	3645	0.5000	0.4953	
121 Naphthalene	128	12.764	12.764	0.000	96	16497	0.5000	0.4362	
122 1,2,3-Trichlorobenzene	180	12.965	12.965	0.000	83	5779	0.5000	0.4261	
S 126 Xylenes, Total	1				0			0.9406	
S 123 1,3-Dichloropropene, Total	1				0			0.7451	
S 125 Total BTEX	1				0			2.44	
S 124 1,2-Dichloroethene, Total	1				0			0.9614	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00177	Amount Added:	0.50	Units: uL	
GAS CORP mix_00379	Amount Added:	0.50	Units: uL	
N_8260_Surr_00392	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00182	Amount Added:	1.00	Units: uL	Run Reagent

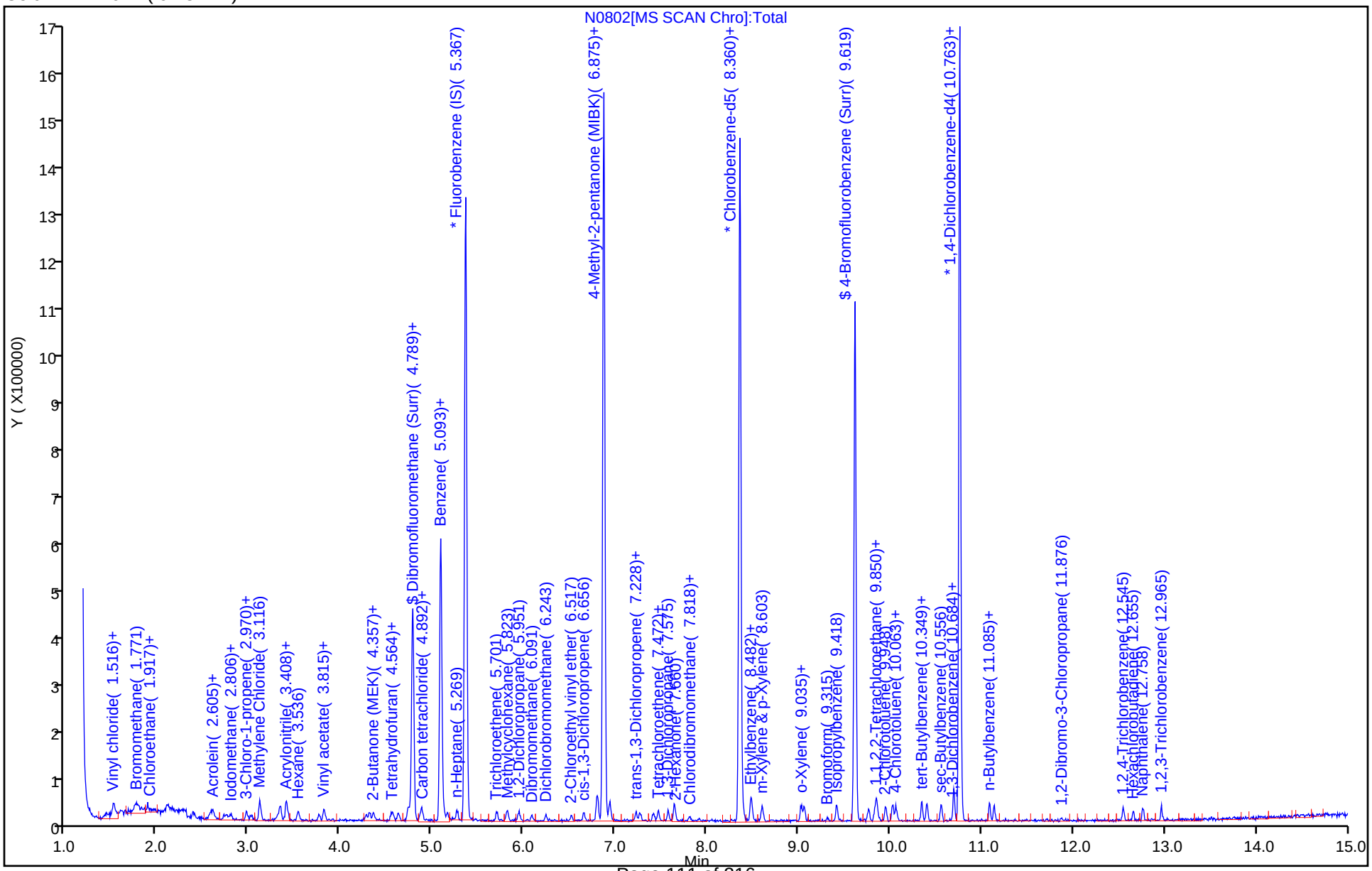
Report Date: 21-Jan-2020 11:48:40 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0802.D

Injection Date:	20-Jan-2020 17:59:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 0.5			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

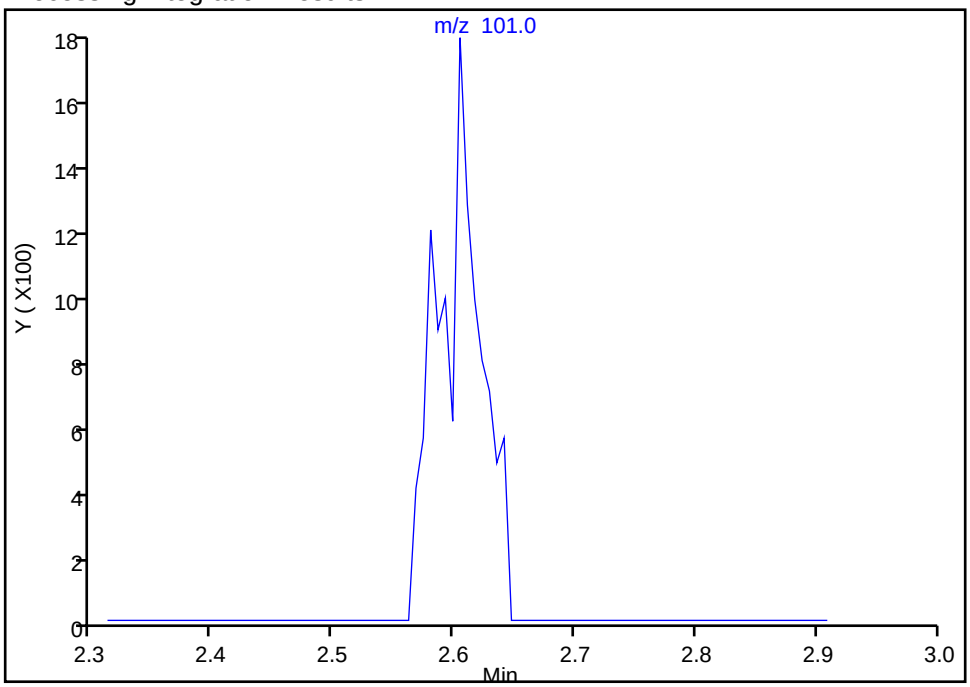
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0802.D
Injection Date: 20-Jan-2020 17:59:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

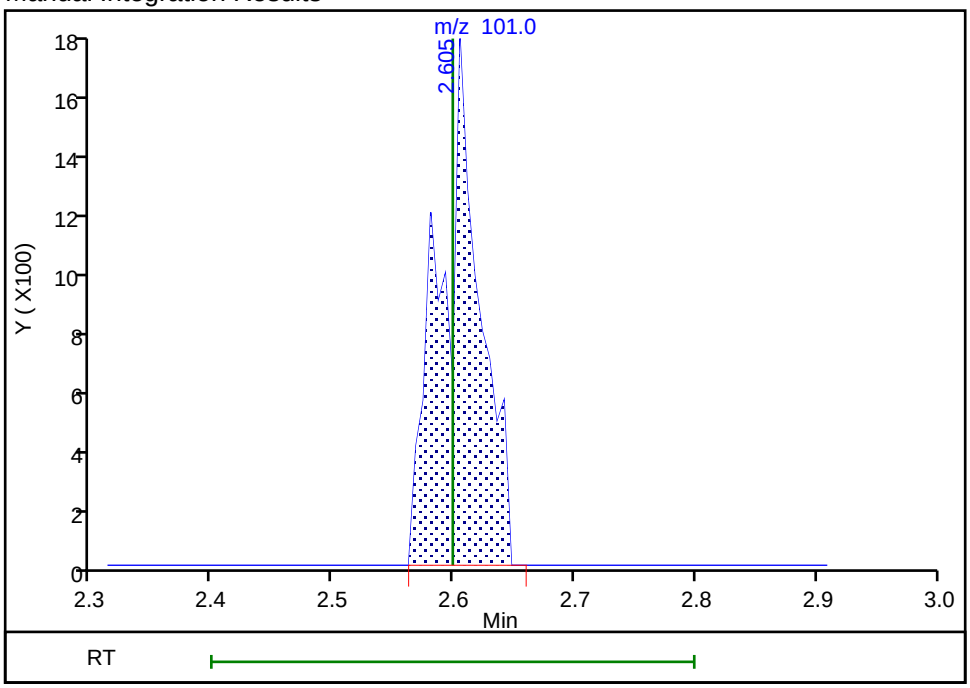
Not Detected
Expected RT: 2.60

Processing Integration Results



Manual Integration Results

RT: 2.60
Area: 4071
Amount: 0.462037
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:16:46
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

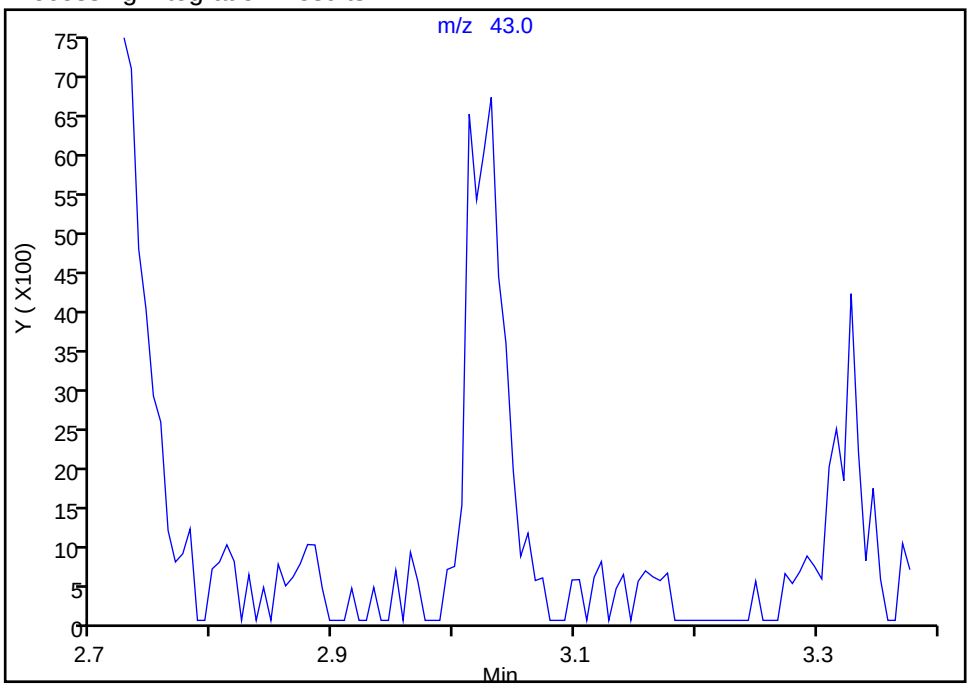
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0802.D
Injection Date: 20-Jan-2020 17:59:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

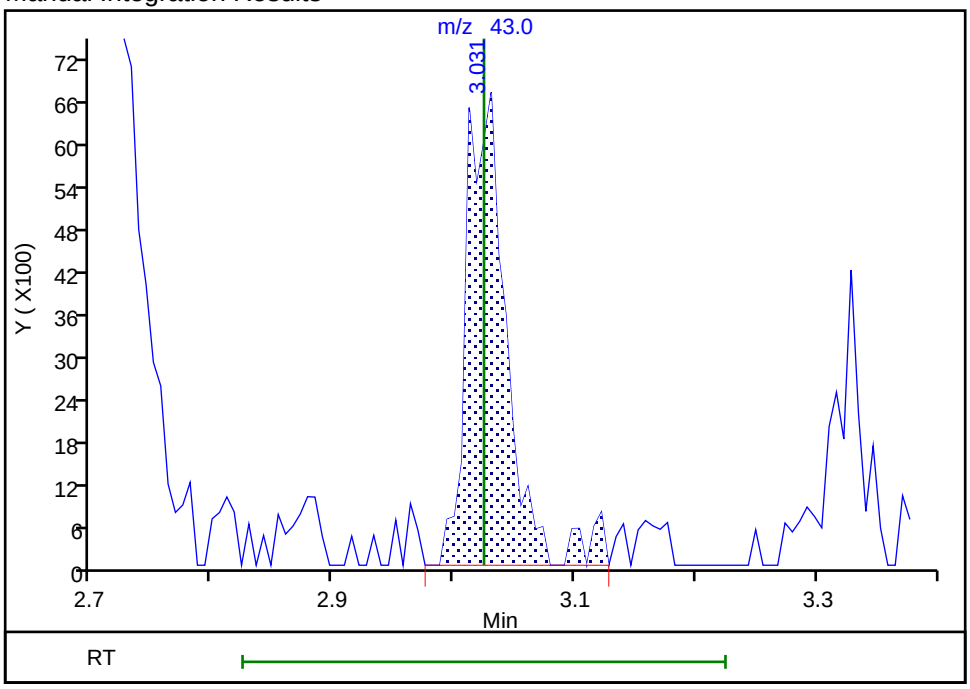
Not Detected
Expected RT: 3.02

Processing Integration Results



Manual Integration Results

RT: 3.03
Area: 15500
Amount: 1.177571
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:16:51
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

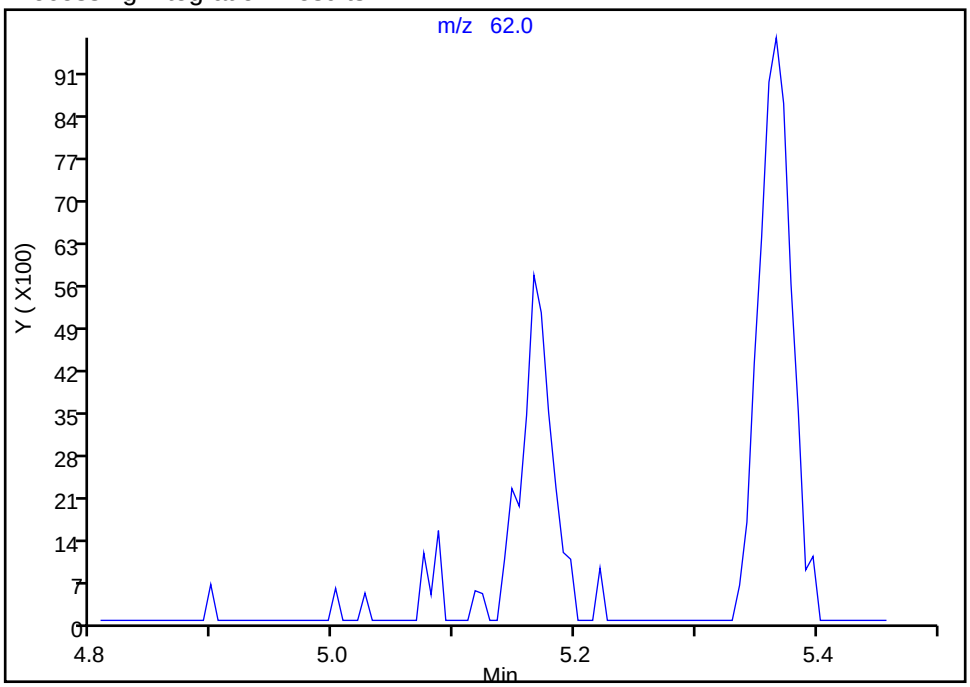
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0802.D
Injection Date: 20-Jan-2020 17:59:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

57 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

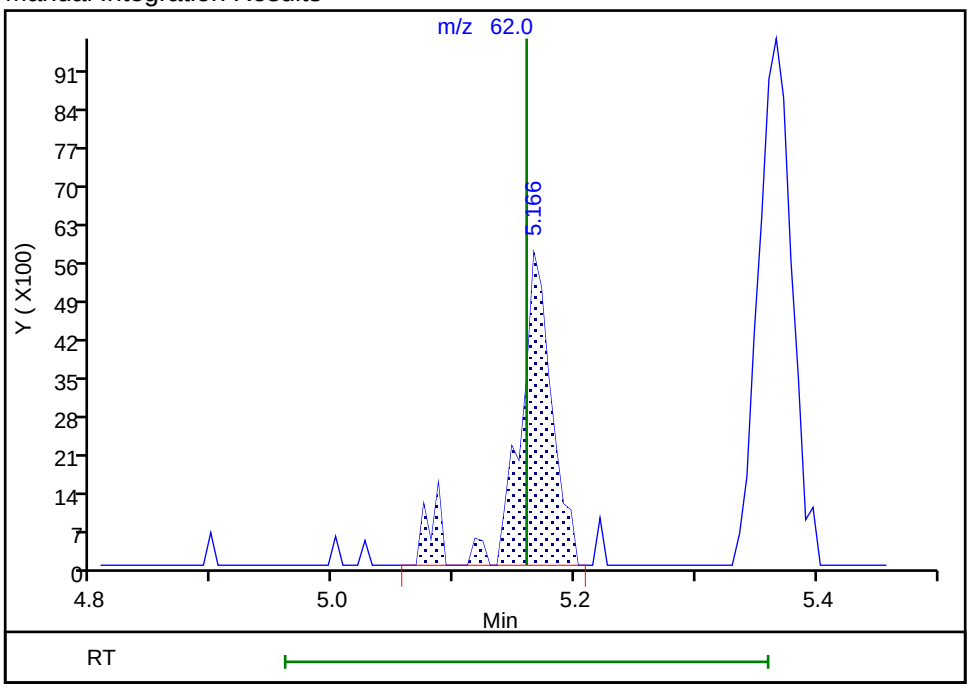
Not Detected
Expected RT: 5.16

Processing Integration Results



Manual Integration Results

RT: 5.17
Area: 11370
Amount: 0.594148
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:17:01
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

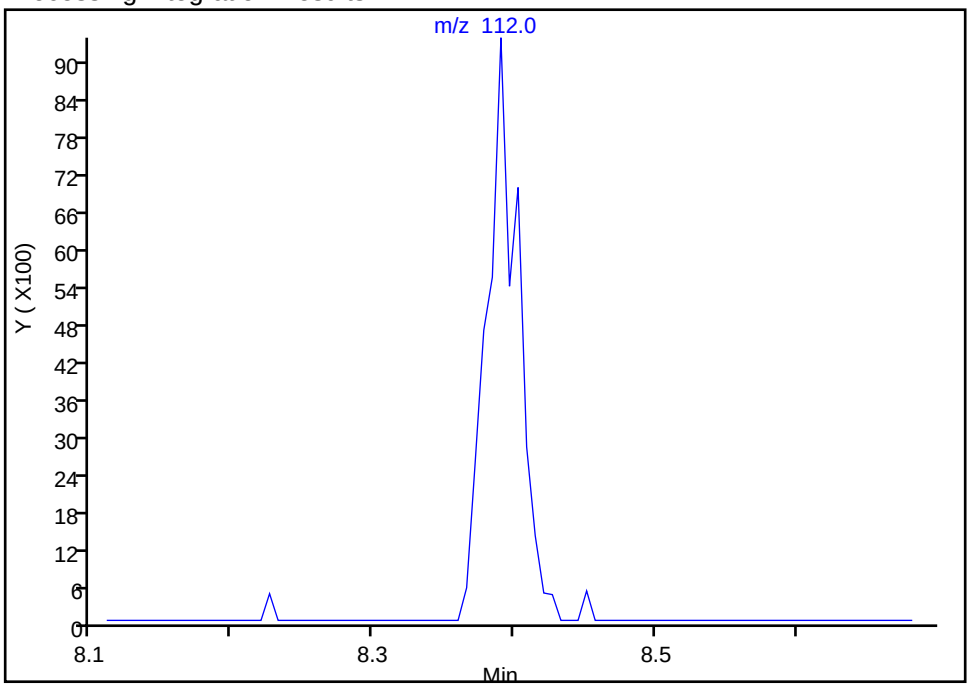
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0802.D
Injection Date: 20-Jan-2020 17:59:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

85 Chlorobenzene, CAS: 108-90-7

Signal: 1

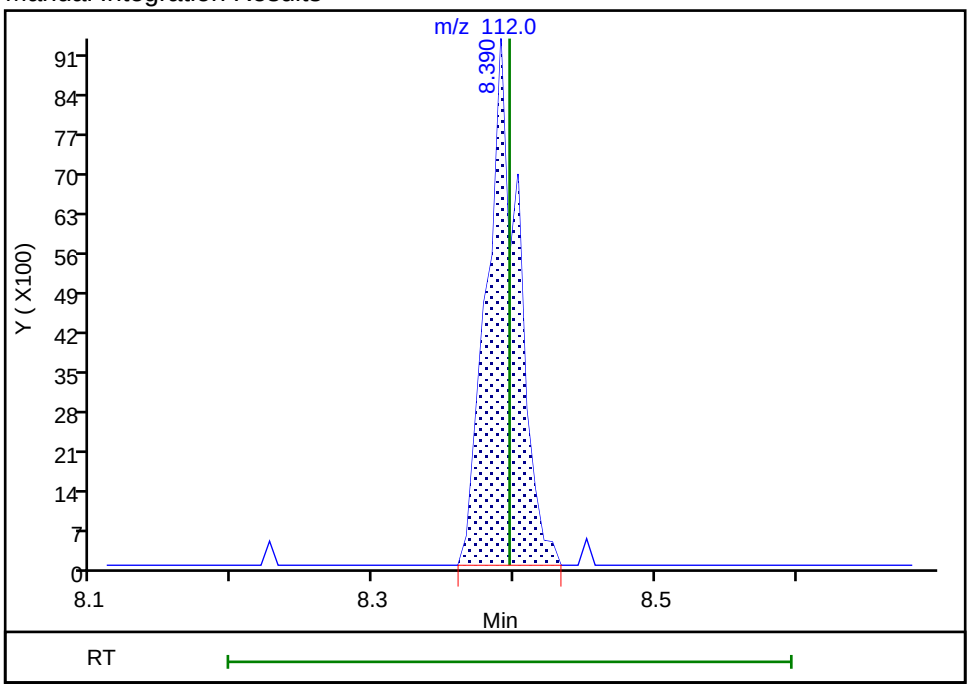
Not Detected
Expected RT: 8.40

Processing Integration Results



Manual Integration Results

RT: 8.39
Area: 14620
Amount: 0.534517
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:17:19
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

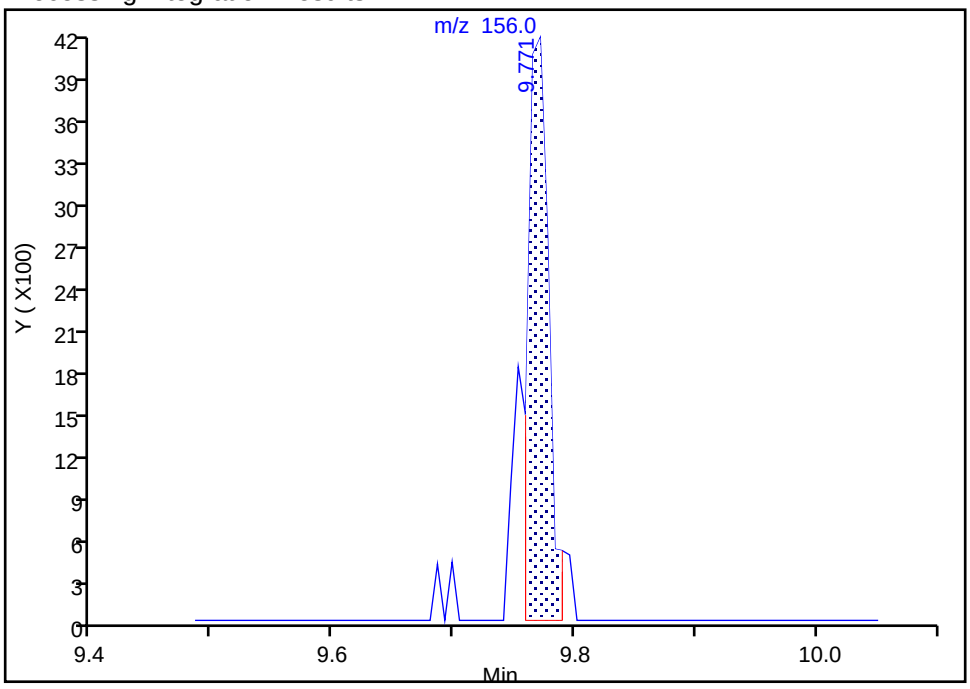
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0802.D
Injection Date: 20-Jan-2020 17:59:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

97 Bromobenzene, CAS: 108-86-1

Signal: 1

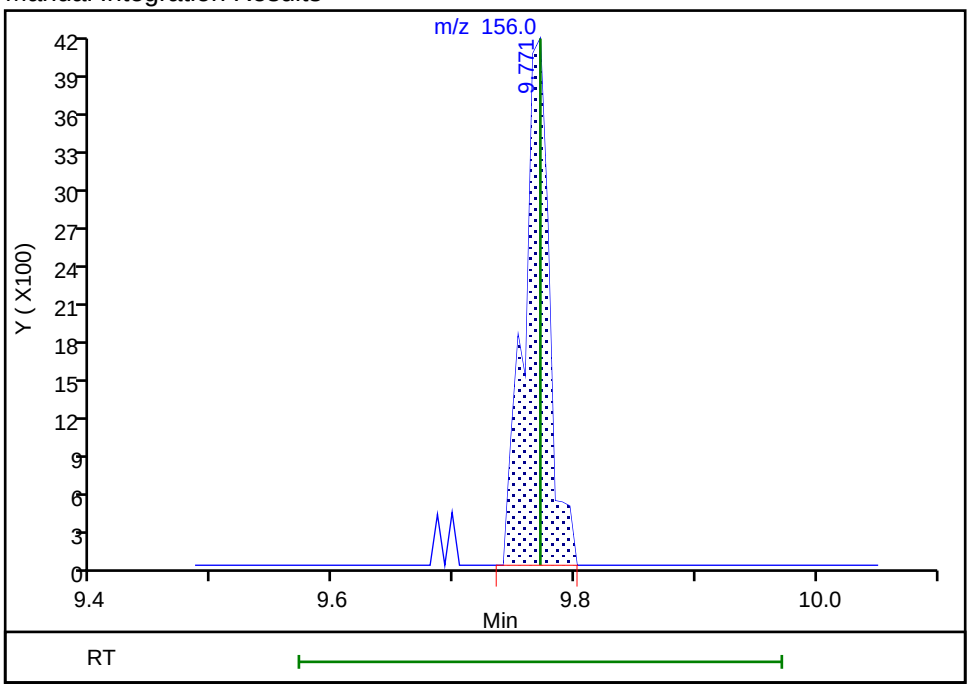
Processing Integration Results

RT: 9.77
Area: 4931
Amount: 0.438687
Amount Units: ug/L



Manual Integration Results

RT: 9.77
Area: 6127
Amount: 0.530965
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:17:29
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

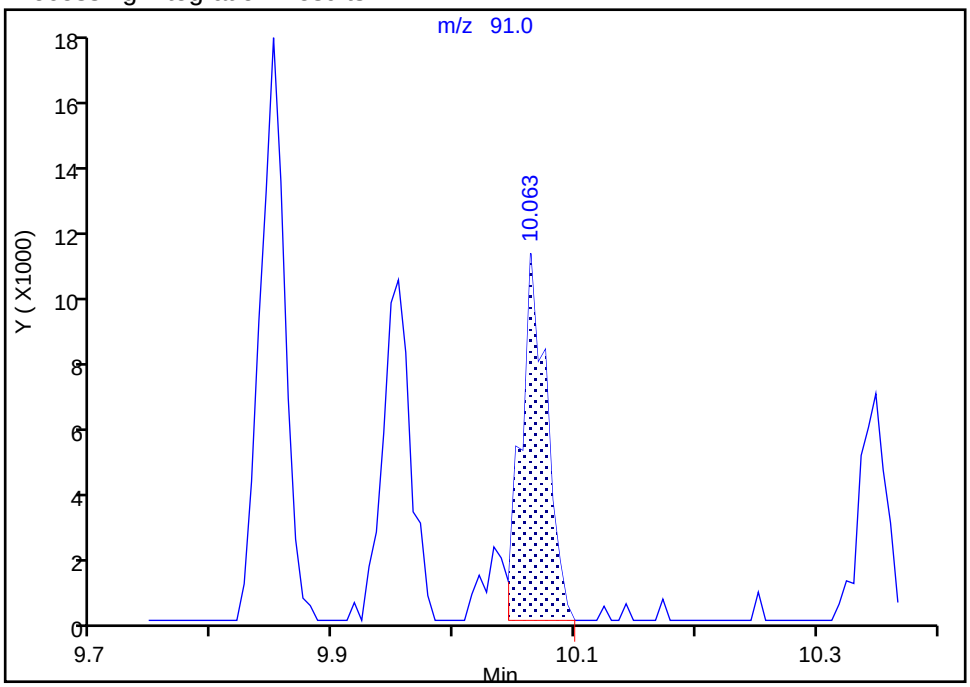
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0802.D
Injection Date: 20-Jan-2020 17:59:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

105 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

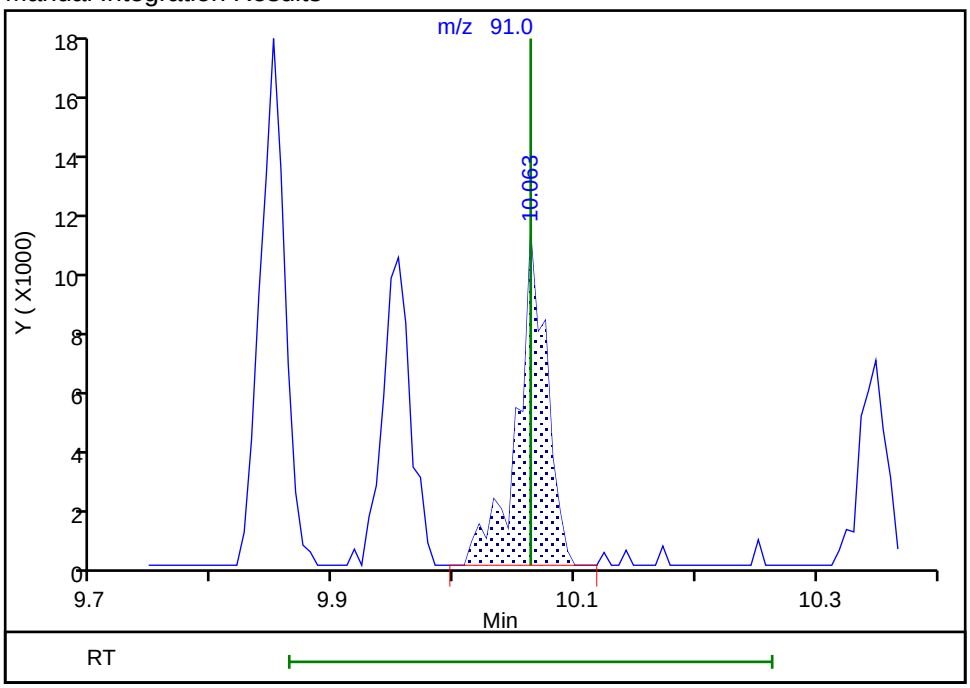
Processing Integration Results

RT: 10.06
Area: 15780
Amount: 0.486498
Amount Units: ug/L



Manual Integration Results

RT: 10.06
Area: 18304
Amount: 0.553545
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:17:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0803.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Jan-2020 18:23:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0087605-007
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Jan-2020 11:48:47 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: moffata Date: 21-Jan-2020 07:19:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	98	186124	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	91	655428	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	96	366513	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	92	241527	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	97	333292	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	6.875	6.876	-0.001	96	838549	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	91	275557	25.0	25.0	
11 Dichlorodifluoromethane	85	1.260	1.260	0.000	55	9335	1.00	0.9431	
13 Chloromethane	50	1.437	1.437	0.000	96	17477	1.00	1.03	
144 Butadiene	54	1.522	1.522	0.000	91	16283	1.00	1.01	
14 Vinyl chloride	62	1.528	1.528	0.000	54	12321	1.00	0.9572	
15 Bromomethane	94	1.802	1.802	0.000	66	8661	1.00	1.10	
16 Chloroethane	64	1.899	1.899	0.000	65	8101	1.00	0.9647	
18 Trichlorofluoromethane	101	2.124	2.106	0.018	46	15948	1.00	0.9835	
17 Dichlorofluoromethane	67	2.106	2.118	-0.012	76	18320	1.00	0.9816	a
19 Ethyl ether	59	2.386	2.392	-0.006	91	11858	1.00	1.02	
20 Acrolein	56	2.574	2.574	0.000	99	16102	5.00	5.04	
21 1,1,2-Trichloro-1,2,2-trif	101	2.599	2.599	0.000	63	9083	1.00	1.04	Ma
22 1,1-Dichloroethene	96	2.611	2.605	0.006	92	10152	1.00	1.15	
23 Acetone	43	2.739	2.733	0.006	97	26325	5.00	5.40	
24 Iodomethane	142	2.763	2.769	-0.006	97	18570	1.00	1.05	
25 Carbon disulfide	76	2.799	2.800	-0.001	97	33504	1.00	1.09	
27 3-Chloro-1-propene	41	2.976	2.976	0.000	86	28605	1.00	1.15	
28 Methyl acetate	43	3.031	3.025	0.006	99	27136	2.00	2.07	
30 Methylene Chloride	84	3.122	3.122	0.000	94	17847	1.00	1.02	
31 2-Methyl-2-propanol	59	3.298	3.298	0.000	91	12714	10.0	10.5	
32 Methyl tert-butyl ether	73	3.335	3.329	0.006	94	30070	1.00	1.03	
33 trans-1,2-Dichloroethene	96	3.347	3.341	0.006	91	10676	1.00	1.01	
34 Acrylonitrile	53	3.408	3.408	0.000	98	59997	10.0	9.87	
35 Hexane	57	3.542	3.542	0.000	96	19359	1.00	1.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.767	3.761	0.006	94	25411	1.00	1.14	
39 Vinyl acetate	43	3.821	3.822	-0.001	97	69402	2.00	1.99	
42 2,2-Dichloropropane	77	4.272	4.278	-0.006	81	12121	1.00	1.07	
43 cis-1,2-Dichloroethene	96	4.320	4.320	0.000	87	10120	1.00	0.9217	
44 2-Butanone (MEK)	43	4.357	4.357	0.000	95	40643	5.00	5.20	
47 Chlorobromomethane	128	4.564	4.552	0.012	84	5497	1.00	0.9410	
49 Tetrahydrofuran	42	4.576	4.576	0.000	78	10528	2.00	2.01	
50 Chloroform	83	4.637	4.631	0.006	92	20768	1.00	1.10	
51 1,1,1-Trichloroethane	97	4.740	4.740	0.000	77	15777	1.00	0.99	
52 Cyclohexane	56	4.740	4.740	0.000	93	24309	1.00	1.09	
53 Carbon tetrachloride	117	4.874	4.880	-0.006	68	12619	1.00	0.9310	
54 1,1-Dichloropropene	75	4.892	4.892	0.000	77	14844	1.00	1.10	
55 Benzene	78	5.087	5.099	-0.012	44	40867	1.00	1.03	a
56 Isobutyl alcohol	43	5.123	5.130	-0.007	85	16194	25.0	28.1	
57 1,2-Dichloroethane	62	5.172	5.160	0.012	94	19480	1.00	1.02	
59 n-Heptane	43	5.269	5.276	-0.007	92	23514	1.00	1.18	
60 Trichloroethene	95	5.701	5.708	-0.007	91	10676	1.00	1.02	
62 Methylcyclohexane	83	5.817	5.817	0.000	93	17685	1.00	1.06	
63 1,2-Dichloropropane	63	5.951	5.945	0.006	81	12064	1.00	1.06	
64 Dibromomethane	93	6.085	6.085	0.000	92	6150	1.00	0.9725	M
66 1,4-Dioxane	88	6.097	6.097	0.000	30	573	20.0	11.3	M
67 Dichlorobromomethane	83	6.243	6.243	0.000	94	13253	1.00	1.01	
69 2-Chloroethyl vinyl ether	63	6.516	6.523	-0.007	91	7589	1.00	1.07	
71 cis-1,3-Dichloropropene	75	6.662	6.657	0.005	83	14082	1.00	0.9779	
72 4-Methyl-2-pentanone (MIBK	58	6.802	6.803	-0.001	98	26810	5.00	4.96	
73 Toluene	92	6.936	6.942	-0.006	95	25052	1.00	1.09	
75 trans-1,3-Dichloropropene	75	7.228	7.228	0.000	92	12631	1.00	0.9728	
77 Ethyl methacrylate	69	7.271	7.271	0.000	96	11432	1.00	1.00	
78 1,1,2-Trichloroethane	83	7.417	7.417	0.000	88	6691	1.00	0.9402	
79 Tetrachloroethene	166	7.472	7.472	0.000	90	10946	1.00	1.03	
80 1,3-Dichloropropane	76	7.575	7.575	0.000	89	14791	1.00	1.08	
82 2-Hexanone	43	7.642	7.642	0.000	96	51807	5.00	4.92	
83 Chlorodibromomethane	129	7.812	7.812	0.000	90	8591	1.00	0.9588	
84 Ethylene Dibromide	107	7.916	7.916	0.000	93	8332	1.00	0.9567	
85 Chlorobenzene	112	8.384	8.396	-0.012	95	27347	1.00	1.03	
88 Ethylbenzene	91	8.481	8.482	-0.001	98	45895	1.00	1.06	
89 1,1,1,2-Tetrachloroethane	131	8.488	8.488	0.000	40	8411	1.00	0.8673	
90 m-Xylene & p-Xylene	106	8.603	8.603	0.000	95	17266	1.00	1.02	
91 o-Xylene	106	9.029	9.035	-0.006	94	15317	1.00	0.9005	
92 Styrene	104	9.065	9.066	-0.001	94	27291	1.00	1.01	
93 Bromoform	173	9.315	9.309	0.006	92	5471	1.00	0.9023	
95 Isopropylbenzene	105	9.418	9.418	0.000	97	40992	1.00	0.9337	
97 Bromobenzene	156	9.765	9.771	-0.006	90	11472	1.00	1.00	
98 1,1,2,2-Tetrachloroethane	83	9.826	9.832	-0.006	92	12456	1.00	1.03	
100 N-Propylbenzene	91	9.844	9.850	-0.006	99	51768	1.00	1.00	
99 1,2,3-Trichloropropane	110	9.862	9.857	0.006	88	4509	1.00	1.17	
101 trans-1,4-Dichloro-2-buten	53	9.881	9.875	0.006	66	3799	1.00	0.8967	
102 2-Chlorotoluene	126	9.954	9.954	0.000	95	9199	1.00	0.8547	
104 1,3,5-Trimethylbenzene	105	10.027	10.027	0.000	94	37648	1.00	1.01	
105 4-Chlorotoluene	91	10.069	10.063	0.006	96	33354	1.00	1.01	
106 tert-Butylbenzene	134	10.349	10.343	0.006	92	9612	1.00	1.10	
108 1,2,4-Trimethylbenzene	105	10.404	10.404	0.000	97	38046	1.00	0.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.562	10.556	0.006	95	45380	1.00	0.9698	
110 1,3-Dichlorobenzene	146	10.696	10.696	0.000	73	21183	1.00	0.9550	
111 4-Isopropyltoluene	119	10.702	10.702	0.000	97	40879	1.00	0.9495	
113 1,4-Dichlorobenzene	146	10.781	10.787	-0.006	90	24903	1.00	1.06	
115 n-Butylbenzene	91	11.091	11.085	0.006	95	37777	1.00	1.04	
116 1,2-Dichlorobenzene	146	11.140	11.140	0.000	92	23498	1.00	1.02	
117 1,2-Dibromo-3-Chloropropan	75	11.876	11.876	0.000	5	1894	1.00	0.8746	
119 1,2,4-Trichlorobenzene	180	12.545	12.545	0.000	90	15334	1.00	1.02	
120 Hexachlorobutadiene	225	12.655	12.661	-0.006	90	7196	1.00	0.9820	
121 Naphthalene	128	12.758	12.764	-0.006	97	32866	1.00	0.8727	
122 1,2,3-Trichlorobenzene	180	12.965	12.965	0.000	93	14051	1.00	1.04	
S 126 Xylenes, Total	1				0			1.92	
S 123 1,3-Dichloropropene, Total	1				0			1.95	
S 125 Total BTEX	1				0			5.10	
S 124 1,2-Dichloroethene, Total	1				0			1.93	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00177	Amount Added:	1.00	Units: uL	
GAS CORP mix_00379	Amount Added:	1.00	Units: uL	
N_8260_Surr_00392	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00182	Amount Added:	1.00	Units: uL	Run Reagent

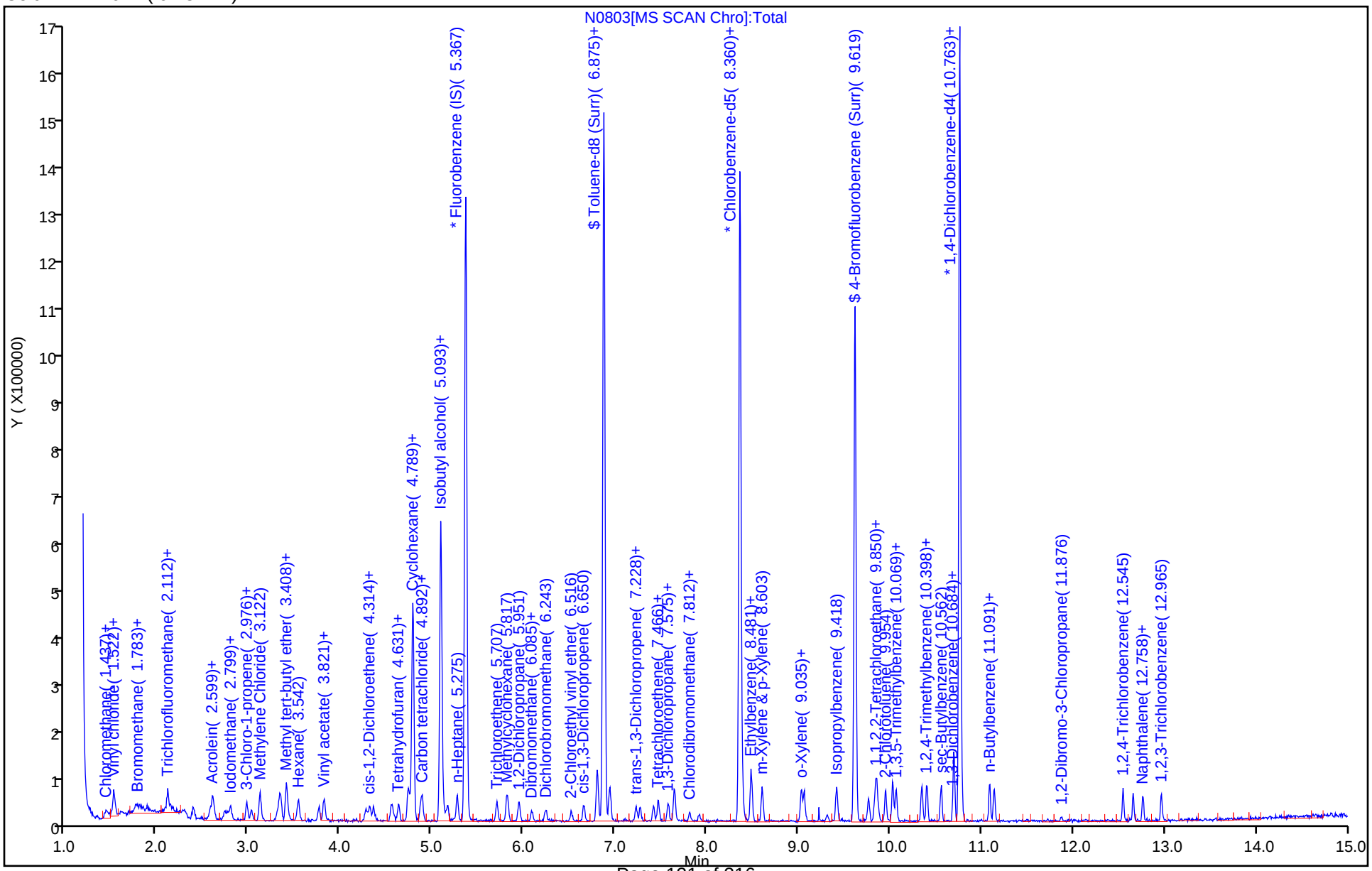
Report Date: 21-Jan-2020 11:48:53 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0803.D

Injection Date:	20-Jan-2020 18:23:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

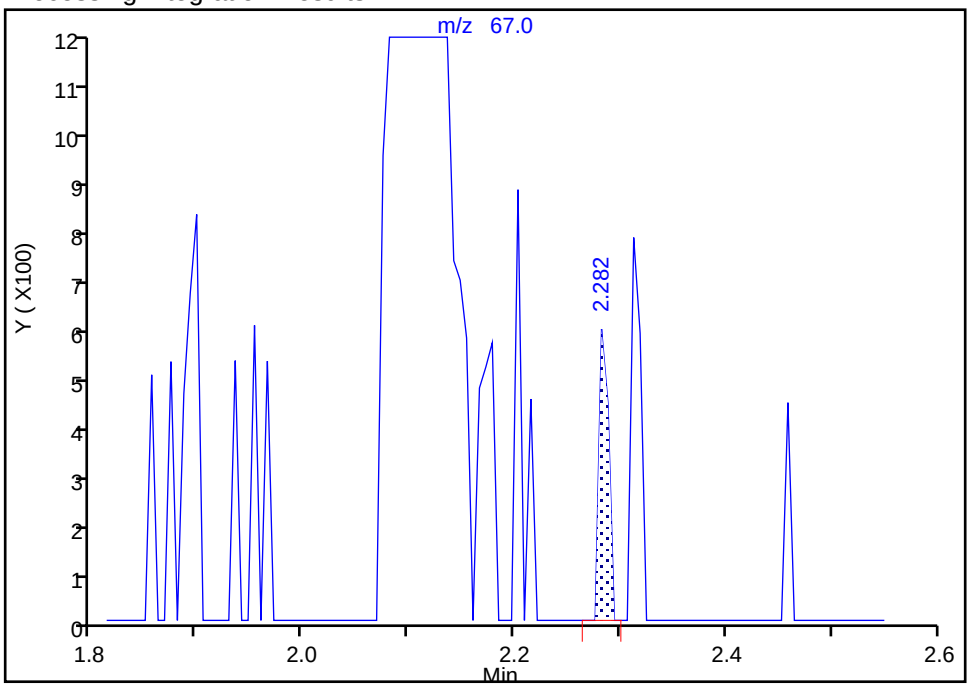
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0803.D
Injection Date: 20-Jan-2020 18:23:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

17 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

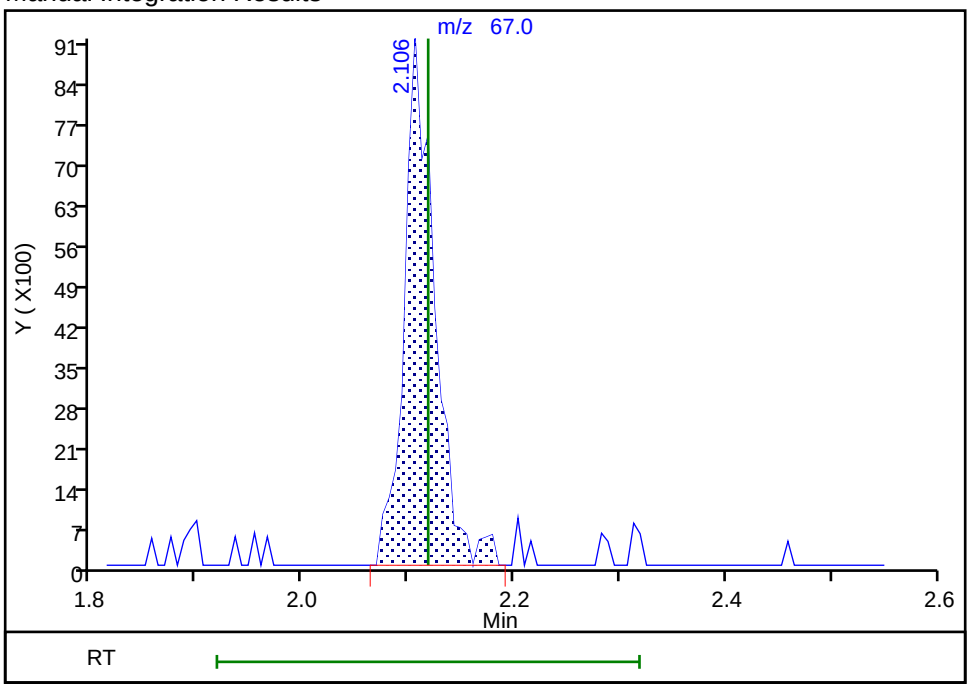
Processing Integration Results

RT: 2.28
Area: 353
Amount: 0.021502
Amount Units: ug/L



Manual Integration Results

RT: 2.11
Area: 18320
Amount: 0.981608
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:18:28
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

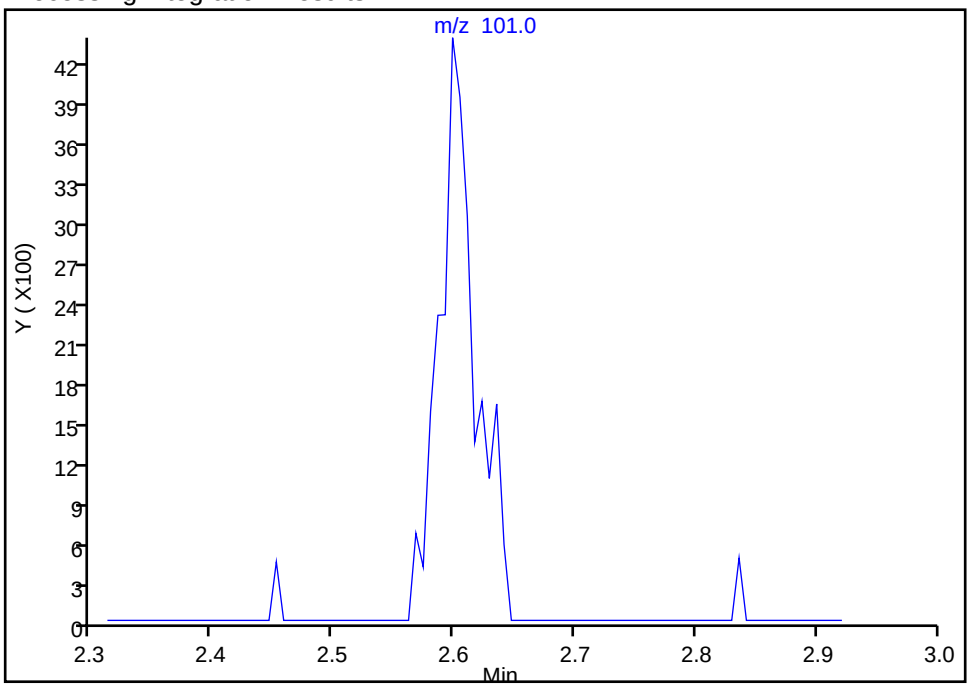
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0803.D
Injection Date: 20-Jan-2020 18:23:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

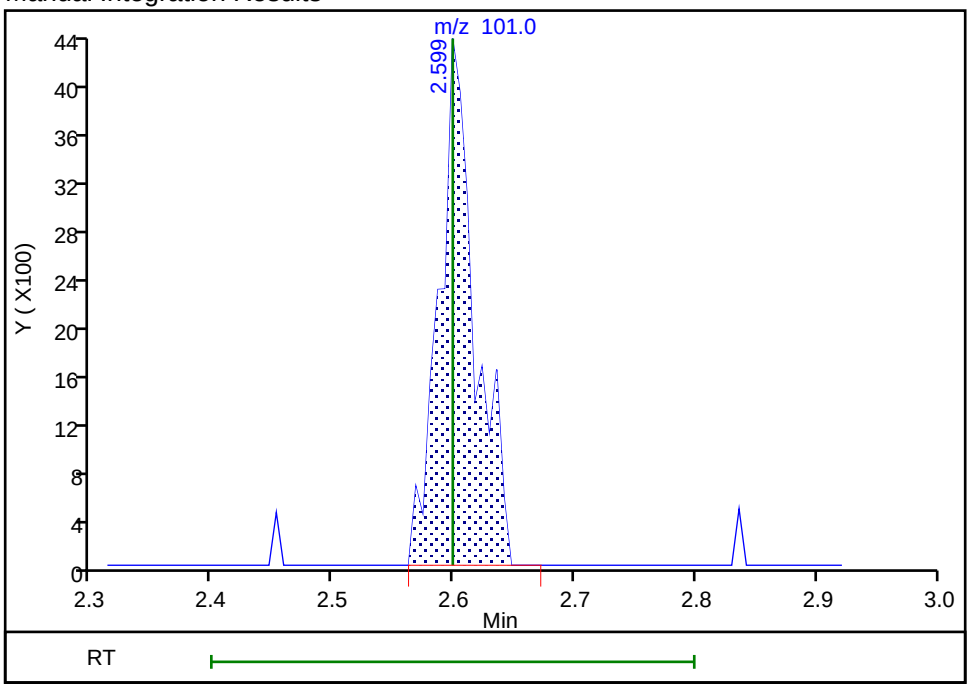
Not Detected
Expected RT: 2.60

Processing Integration Results



Manual Integration Results

RT: 2.60
Area: 9083
Amount: 1.035199
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:18:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

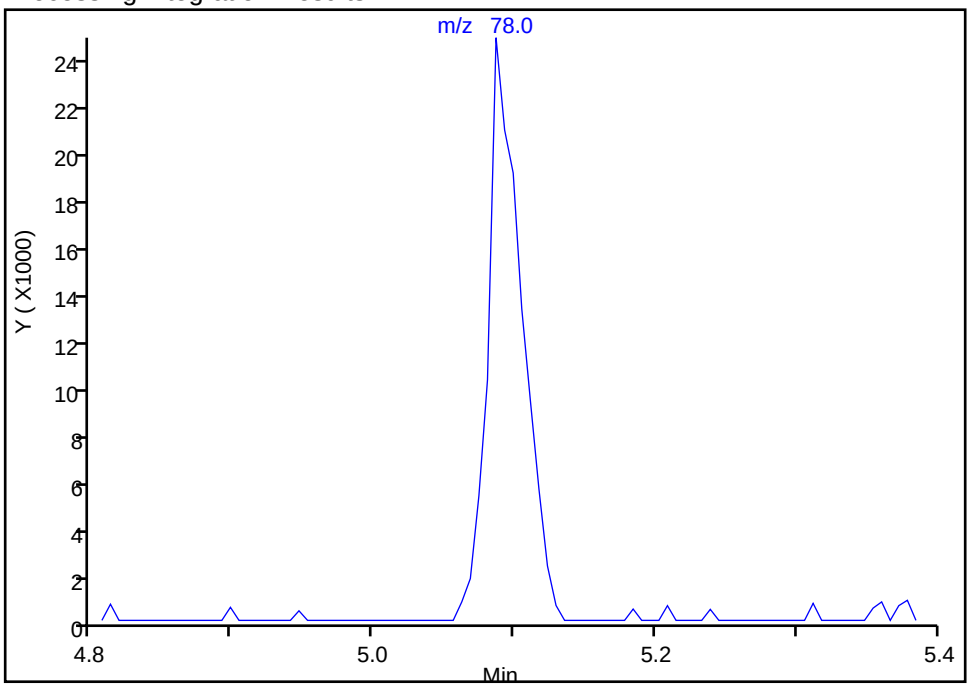
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0803.D
Injection Date: 20-Jan-2020 18:23:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

55 Benzene, CAS: 71-43-2

Signal: 1

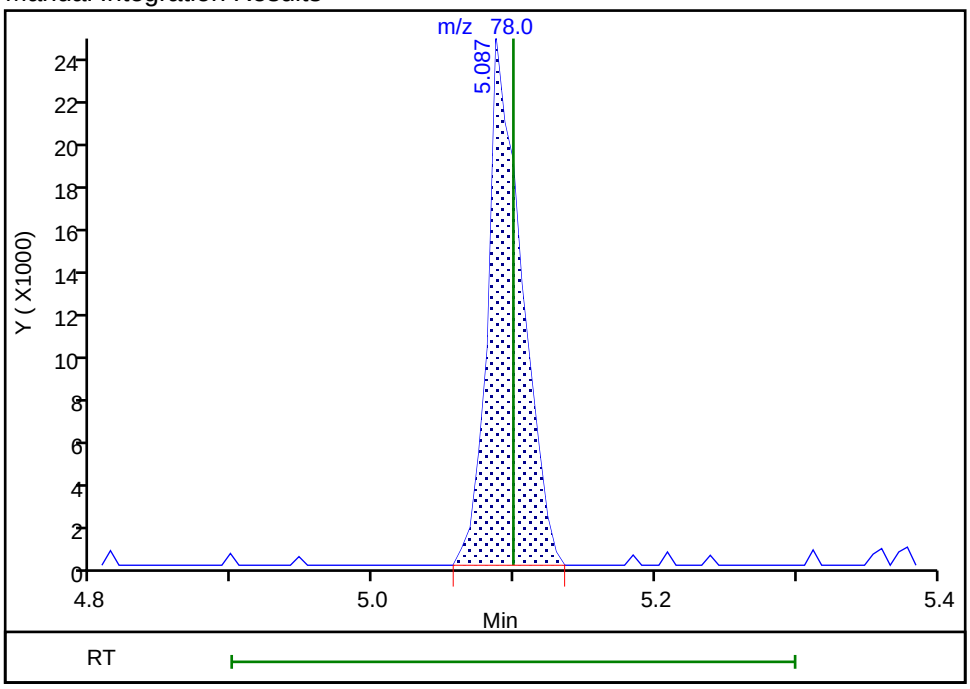
Not Detected
Expected RT: 5.10

Processing Integration Results



Manual Integration Results

RT: 5.09
Area: 40867
Amount: 1.031997
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:18:49
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

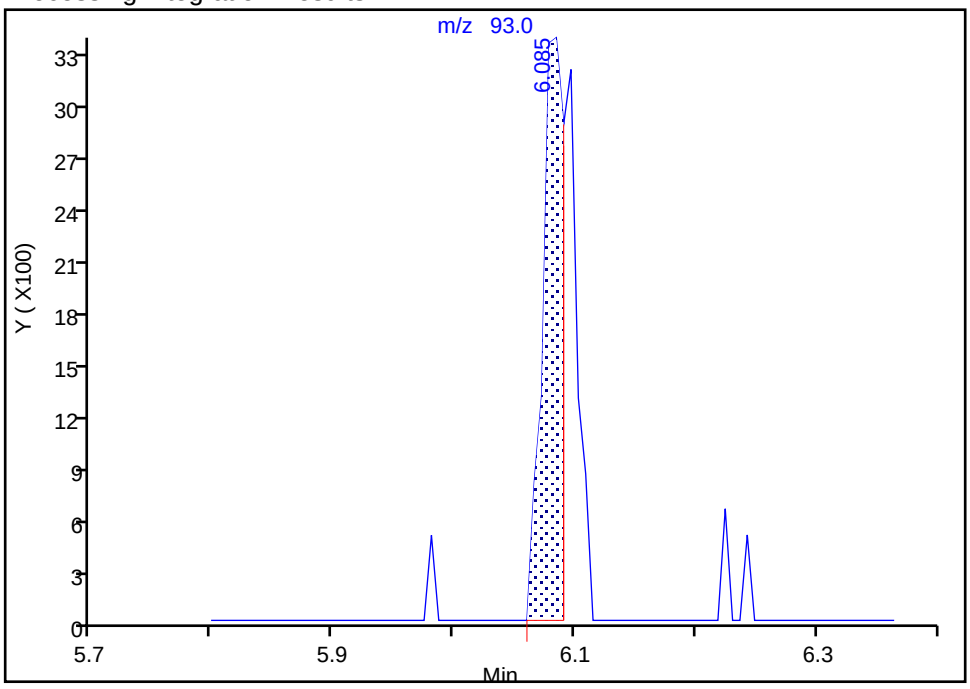
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0803.D
Injection Date: 20-Jan-2020 18:23:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

64 Dibromomethane, CAS: 74-95-3

Signal: 1

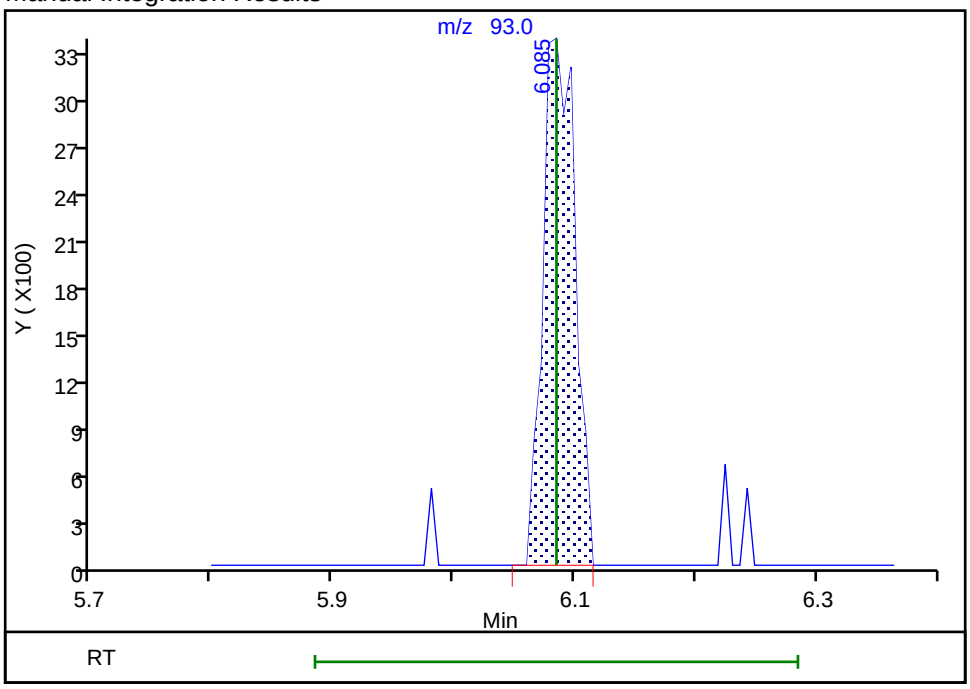
Processing Integration Results

RT: 6.08
Area: 4225
Amount: 0.694501
Amount Units: ug/L



Manual Integration Results

RT: 6.08
Area: 6150
Amount: 0.972465
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:18:57
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

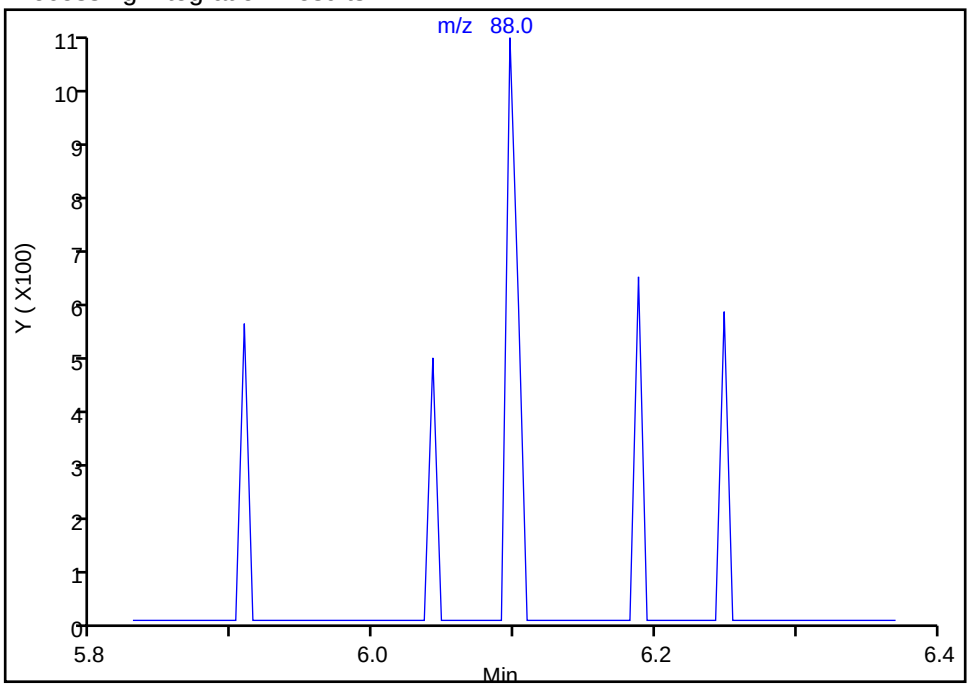
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0803.D
Injection Date: 20-Jan-2020 18:23:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

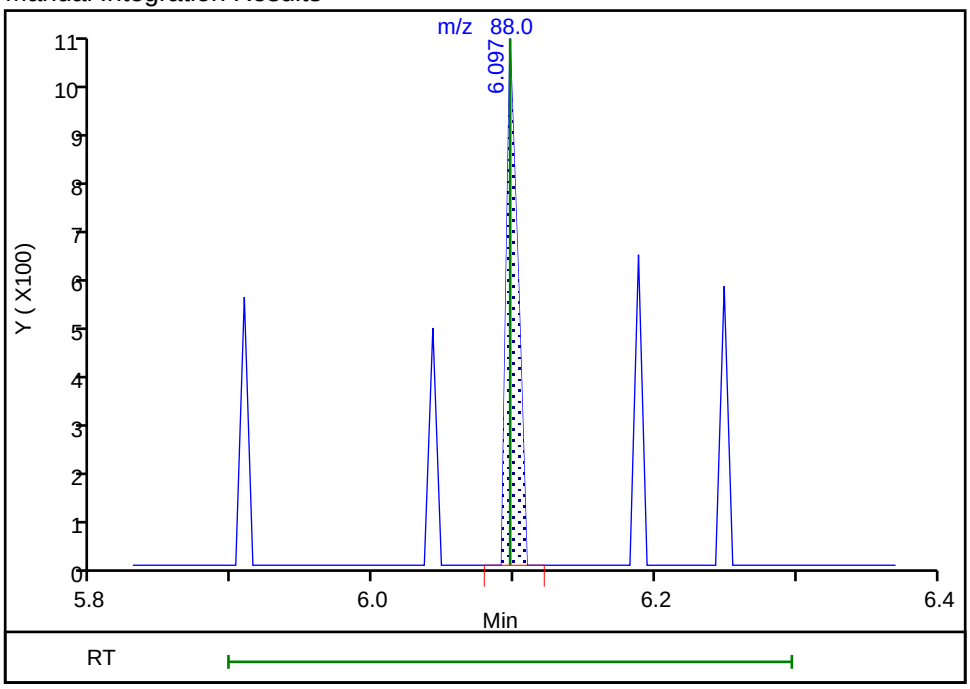
Not Detected
Expected RT: 6.10

Processing Integration Results



Manual Integration Results

RT: 6.10
Area: 573
Amount: 11.348707
Amount Units: ug/L



Reviewer: HillL, 21-Jan-2020 09:55:24
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0804.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Jan-2020 18:48:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0087605-008
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Jan-2020 11:48:58 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: moffata Date: 21-Jan-2020 07:20:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	98	172431	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	91	637675	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	96	350506	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	92	232146	25.0	25.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	97	319432	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	6.876	6.876	0.000	95	804916	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	87	269178	25.0	25.1	
11 Dichlorodifluoromethane	85	1.261	1.260	0.000	99	17881	2.00	1.95	
13 Chloromethane	50	1.431	1.437	-0.006	99	35347	2.00	2.26	M
144 Butadiene	54	1.528	1.522	0.006	96	34325	2.00	2.30	
14 Vinyl chloride	62	1.522	1.528	-0.006	59	25621	2.00	2.15	
15 Bromomethane	94	1.802	1.802	0.000	89	14905	2.00	2.05	
16 Chloroethane	64	1.893	1.899	-0.006	94	18535	2.00	2.38	
18 Trichlorofluoromethane	101	2.118	2.106	0.012	67	32941	2.00	2.19	
17 Dichlorofluoromethane	67	2.106	2.118	-0.012	95	39423	2.00	2.28	
19 Ethyl ether	59	2.392	2.392	0.000	93	23308	2.00	2.16	
20 Acrolein	56	2.568	2.574	-0.006	100	32881	10.0	11.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.599	2.599	0.000	64	18948	2.00	2.33	Ma
22 1,1-Dichloroethene	96	2.599	2.605	-0.006	91	18041	2.00	2.20	
23 Acetone	43	2.733	2.733	0.000	97	47367	10.0	10.5	
24 Iodomethane	142	2.763	2.769	-0.006	96	36342	2.00	2.22	
25 Carbon disulfide	76	2.800	2.800	0.000	97	60885	2.00	2.13	
27 3-Chloro-1-propene	41	2.976	2.976	0.000	83	46100	2.00	2.00	
28 Methyl acetate	43	3.031	3.025	0.006	100	47263	4.00	3.89	
30 Methylene Chloride	84	3.122	3.122	0.000	91	25923	2.00	2.01	
31 2-Methyl-2-propanol	59	3.305	3.298	0.007	91	21987	20.0	19.6	
32 Methyl tert-butyl ether	73	3.323	3.329	-0.006	95	56460	2.00	2.08	
33 trans-1,2-Dichloroethene	96	3.347	3.341	0.006	94	21518	2.00	2.19	
34 Acrylonitrile	53	3.408	3.408	0.000	95	120070	20.0	21.3	
35 Hexane	57	3.542	3.542	0.000	94	38788	2.00	2.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.761	3.761	0.000	97	41046	2.00	1.99	
39 Vinyl acetate	43	3.822	3.822	0.000	96	127650	4.00	3.96	
42 2,2-Dichloropropane	77	4.278	4.278	0.000	81	23533	2.00	2.25	
43 cis-1,2-Dichloroethene	96	4.314	4.320	-0.006	84	22620	2.00	2.22	
44 2-Butanone (MEK)	43	4.351	4.357	-0.006	96	70031	10.0	9.68	
47 Chlorobromomethane	128	4.552	4.552	0.000	89	10942	2.00	2.02	
49 Tetrahydrofuran	42	4.576	4.576	0.000	88	18899	4.00	3.89	
50 Chloroform	83	4.637	4.631	0.006	95	38564	2.00	2.21	
51 1,1,1-Trichloroethane	97	4.740	4.740	0.000	86	32112	2.00	2.18	
52 Cyclohexane	56	4.740	4.740	0.000	95	47285	2.00	2.29	
53 Carbon tetrachloride	117	4.868	4.880	-0.012	90	27208	2.00	2.17	
54 1,1-Dichloropropene	75	4.892	4.892	0.000	84	27595	2.00	2.22	
55 Benzene	78	5.093	5.099	-0.006	53	78359	2.00	2.14	
56 Isobutyl alcohol	43	5.124	5.130	-0.006	85	27368	50.0	51.3	
57 1,2-Dichloroethane	62	5.166	5.160	0.006	94	36334	2.00	2.06	
59 n-Heptane	43	5.270	5.276	-0.006	95	41723	2.00	2.26	
60 Trichloroethene	95	5.708	5.708	0.000	90	19217	2.00	1.98	
62 Methylcyclohexane	83	5.817	5.817	0.000	94	32210	2.00	2.08	
63 1,2-Dichloropropane	63	5.945	5.945	0.000	86	22154	2.00	2.10	
64 Dibromomethane	93	6.091	6.085	0.006	92	11314	2.00	1.93	
66 1,4-Dioxane	88	6.097	6.097	0.000	0	1715	40.0	34.9	M
67 Dichlorobromomethane	83	6.243	6.243	0.000	95	24689	2.00	2.03	
69 2-Chloroethyl vinyl ether	63	6.523	6.523	0.000	90	12456	2.00	1.89	
71 cis-1,3-Dichloropropene	75	6.657	6.657	0.000	84	27398	2.00	2.05	
72 4-Methyl-2-pentanone (MIBK	58	6.803	6.803	0.000	99	50742	10.0	9.65	
73 Toluene	92	6.943	6.942	0.001	96	46974	2.00	2.10	
75 trans-1,3-Dichloropropene	75	7.222	7.228	-0.006	90	22400	2.00	1.77	
77 Ethyl methacrylate	69	7.277	7.271	0.006	89	21055	2.00	1.89	
78 1,1,2-Trichloroethane	83	7.417	7.417	0.000	92	14865	2.00	2.15	
79 Tetrachloroethene	166	7.466	7.472	-0.006	93	22250	2.00	2.16	
80 1,3-Dichloropropane	76	7.575	7.575	0.000	89	25973	2.00	1.95	
82 2-Hexanone	43	7.642	7.642	0.000	98	99093	10.0	9.67	
83 Chlorodibromomethane	129	7.813	7.812	0.001	90	15235	2.00	1.75	
84 Ethylene Dibromide	107	7.910	7.916	-0.006	97	16853	2.00	1.99	
85 Chlorobenzene	112	8.390	8.396	-0.006	93	53785	2.00	2.08	
88 Ethylbenzene	91	8.482	8.482	0.000	97	82800	2.00	1.97	
89 1,1,1,2-Tetrachloroethane	131	8.488	8.488	0.000	46	18096	2.00	1.92	
90 m-Xylene & p-Xylene	106	8.603	8.603	0.000	95	35523	2.00	2.15	
91 o-Xylene	106	9.029	9.035	-0.006	95	35584	2.00	2.15	
92 Styrene	104	9.066	9.066	0.000	94	52140	2.00	1.99	
93 Bromoform	173	9.321	9.309	0.012	92	10703	2.00	1.81	
95 Isopropylbenzene	105	9.419	9.418	0.001	96	88986	2.00	2.12	
97 Bromobenzene	156	9.771	9.771	0.000	94	20983	2.00	1.91	
98 1,1,2,2-Tetrachloroethane	83	9.826	9.832	-0.006	94	21861	2.00	1.89	
100 N-Propylbenzene	91	9.851	9.850	0.001	98	102370	2.00	2.07	
99 1,2,3-Trichloropropane	110	9.857	9.857	0.001	50	6882	2.00	1.86	
101 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	1	5486	2.00	1.35	
102 2-Chlorotoluene	126	9.954	9.954	0.000	95	22521	2.00	2.19	
104 1,3,5-Trimethylbenzene	105	10.027	10.027	0.000	96	73048	2.00	2.05	
105 4-Chlorotoluene	91	10.070	10.063	0.007	98	61034	2.00	1.94	
106 tert-Butylbenzene	134	10.349	10.343	0.006	95	16743	2.00	2.00	
108 1,2,4-Trimethylbenzene	105	10.404	10.404	0.000	95	71285	2.00	1.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.556	10.556	0.000	95	95613	2.00	2.14	
110 1,3-Dichlorobenzene	146	10.696	10.696	0.000	94	46097	2.00	2.17	
111 4-Isopropyltoluene	119	10.702	10.702	0.000	97	85879	2.00	2.09	
113 1,4-Dichlorobenzene	146	10.781	10.787	-0.006	94	47675	2.00	2.12	
115 n-Butylbenzene	91	11.085	11.085	0.000	93	63456	2.00	1.82	
116 1,2-Dichlorobenzene	146	11.140	11.140	0.000	94	45133	2.00	2.05	
117 1,2-Dibromo-3-Chloropropan	75	11.876	11.876	0.000	66	4007	2.00	1.93	
119 1,2,4-Trichlorobenzene	180	12.546	12.545	0.001	93	29825	2.00	2.08	
120 Hexachlorobutadiene	225	12.661	12.661	0.000	93	16381	2.00	2.34	
121 Naphthalene	128	12.765	12.764	0.001	97	72673	2.00	2.02	
122 1,2,3-Trichlorobenzene	180	12.971	12.965	0.006	91	25594	2.00	1.98	
S 126 Xylenes, Total	1				0			4.30	
S 123 1,3-Dichloropropene, Total	1				0			3.83	
S 125 Total BTEX	1				0			10.5	
S 124 1,2-Dichloroethene, Total	1				0			4.41	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00177	Amount Added:	2.00	Units: uL	
GAS CORP mix_00379	Amount Added:	2.00	Units: uL	
N_8260_Surr_00392	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00182	Amount Added:	1.00	Units: uL	Run Reagent

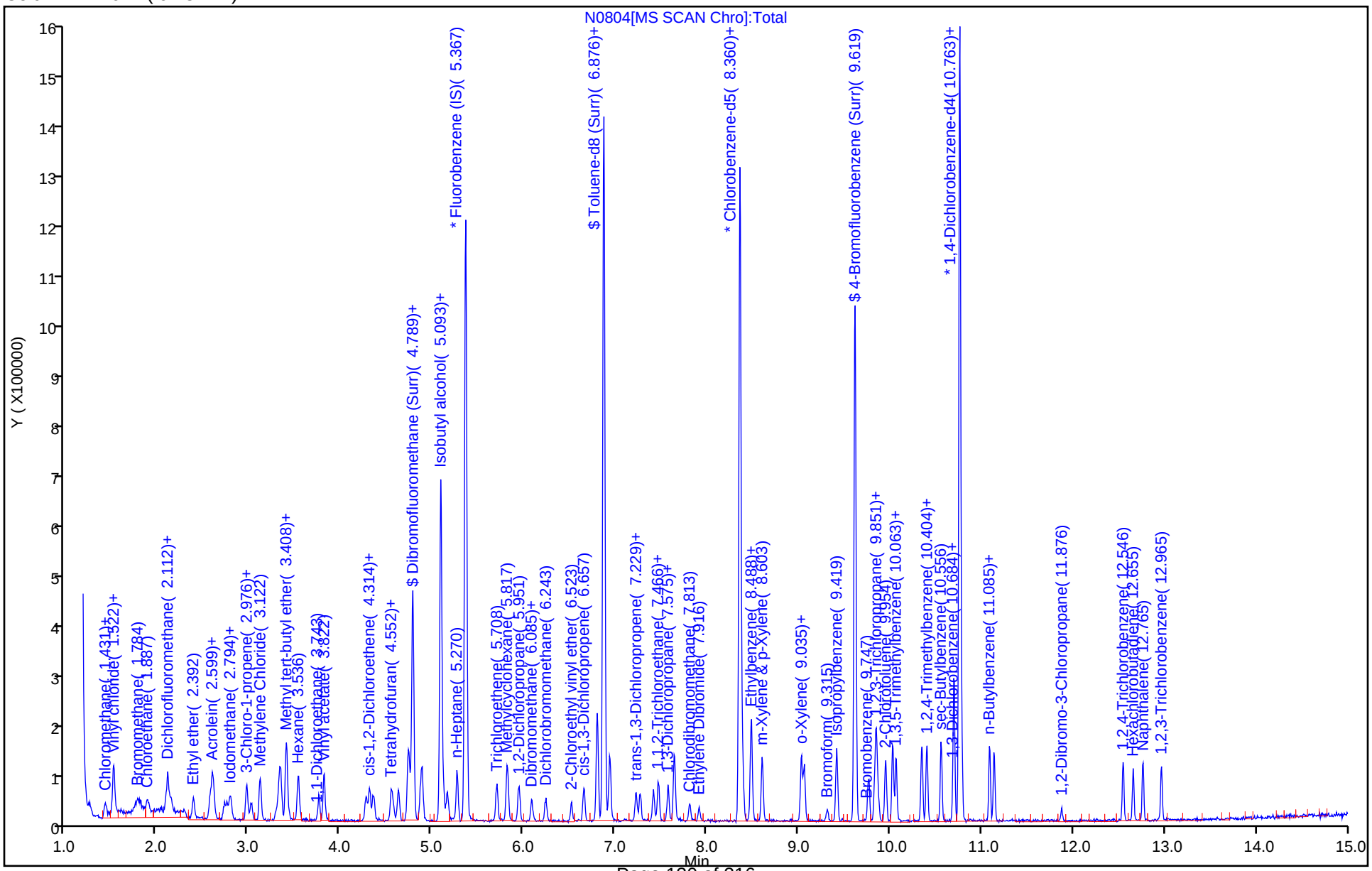
Report Date: 21-Jan-2020 11:49:02 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0804.D

Injection Date:	20-Jan-2020 18:48:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

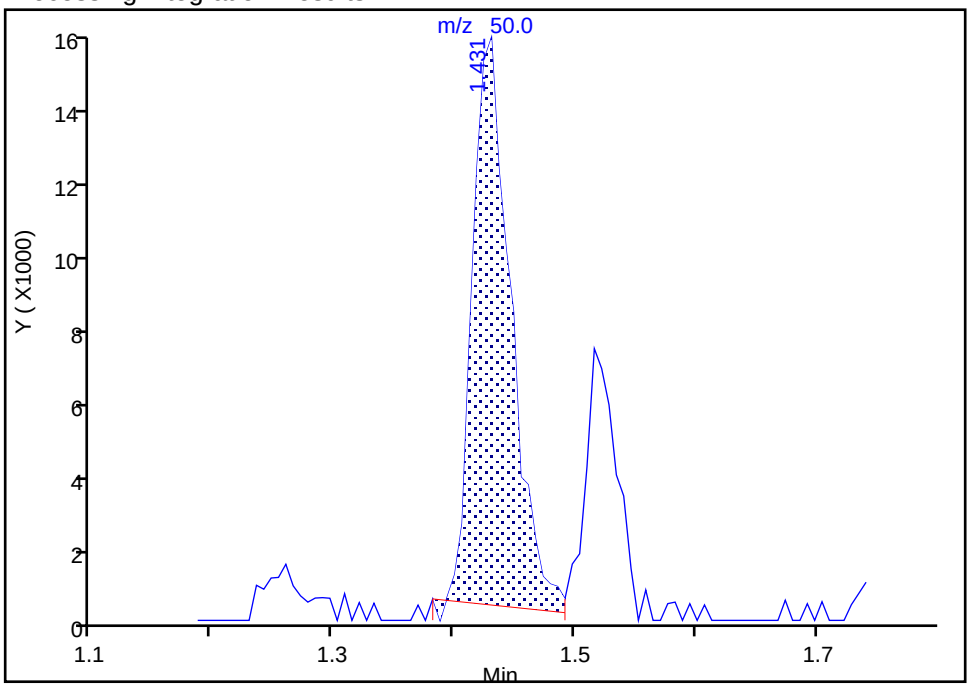
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0804.D
Injection Date: 20-Jan-2020 18:48:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

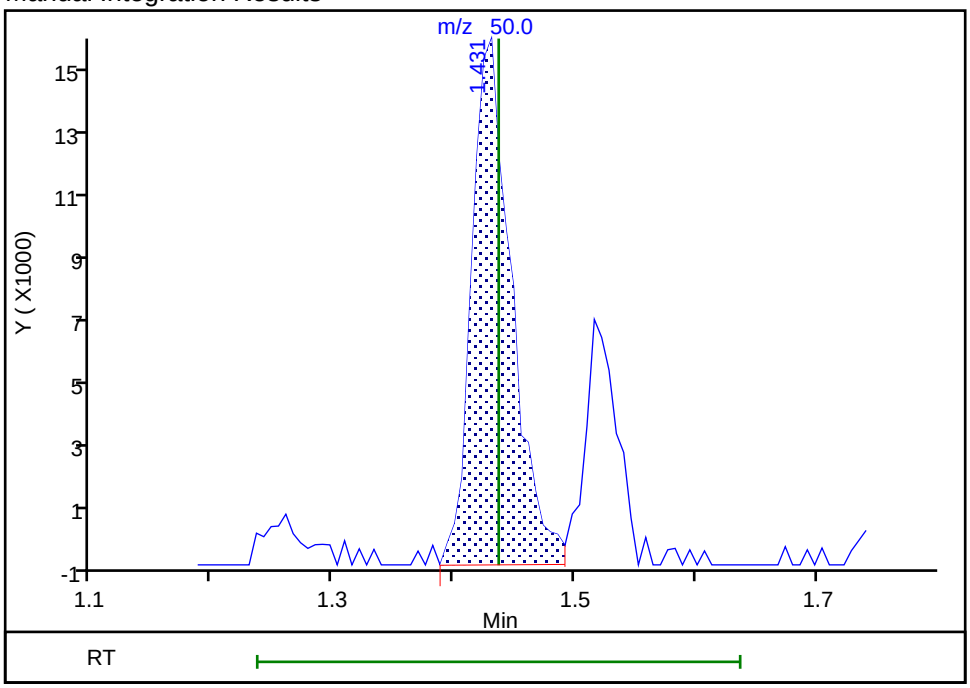
Processing Integration Results

RT: 1.43
Area: 32895
Amount: 2.119727
Amount Units: ug/L



Manual Integration Results

RT: 1.43
Area: 35347
Amount: 2.255459
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:19:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

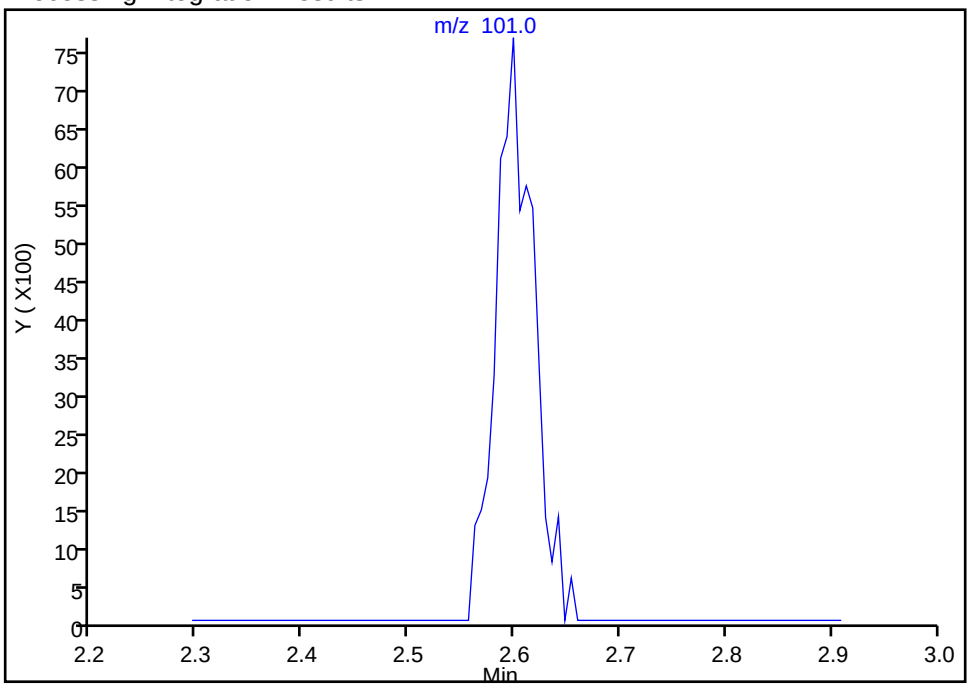
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0804.D
Injection Date: 20-Jan-2020 18:48:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

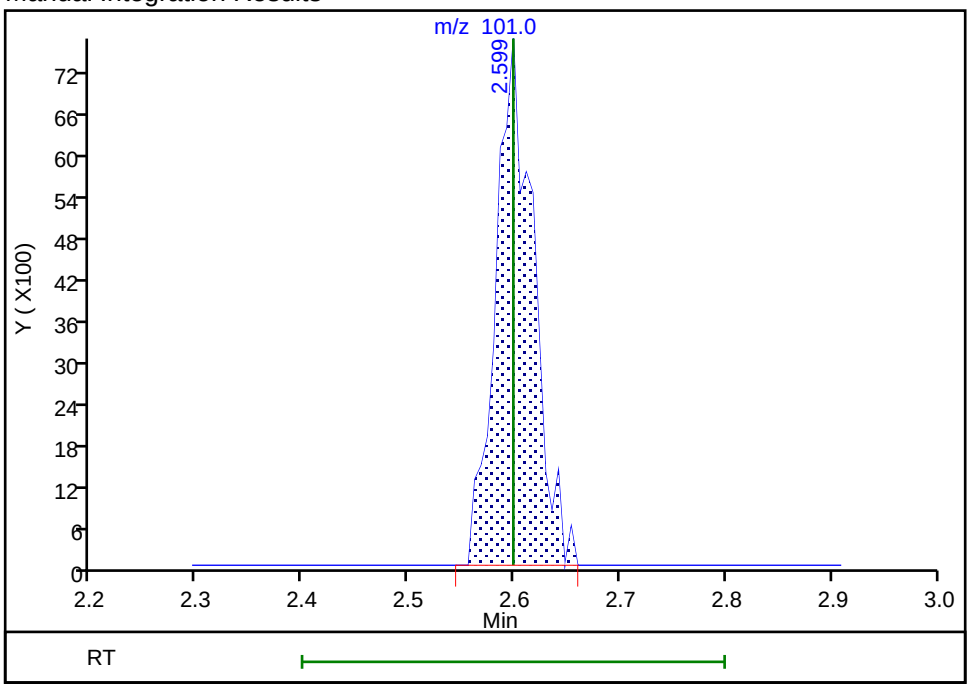
Not Detected
Expected RT: 2.60

Processing Integration Results



Manual Integration Results

RT: 2.60
Area: 18948
Amount: 2.331014
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:20:02
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

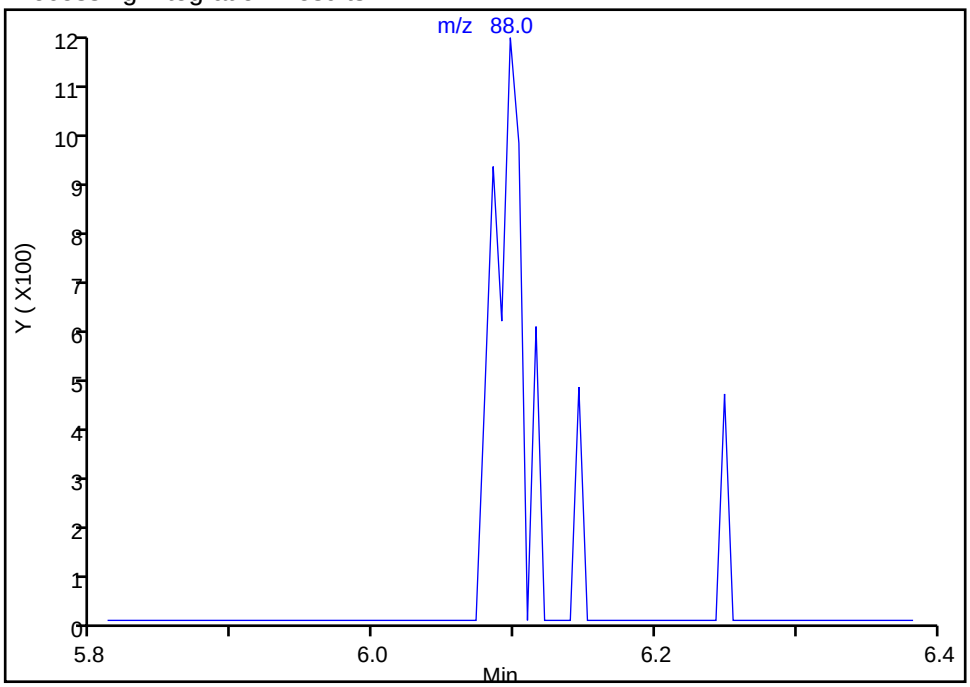
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0804.D
Injection Date: 20-Jan-2020 18:48:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

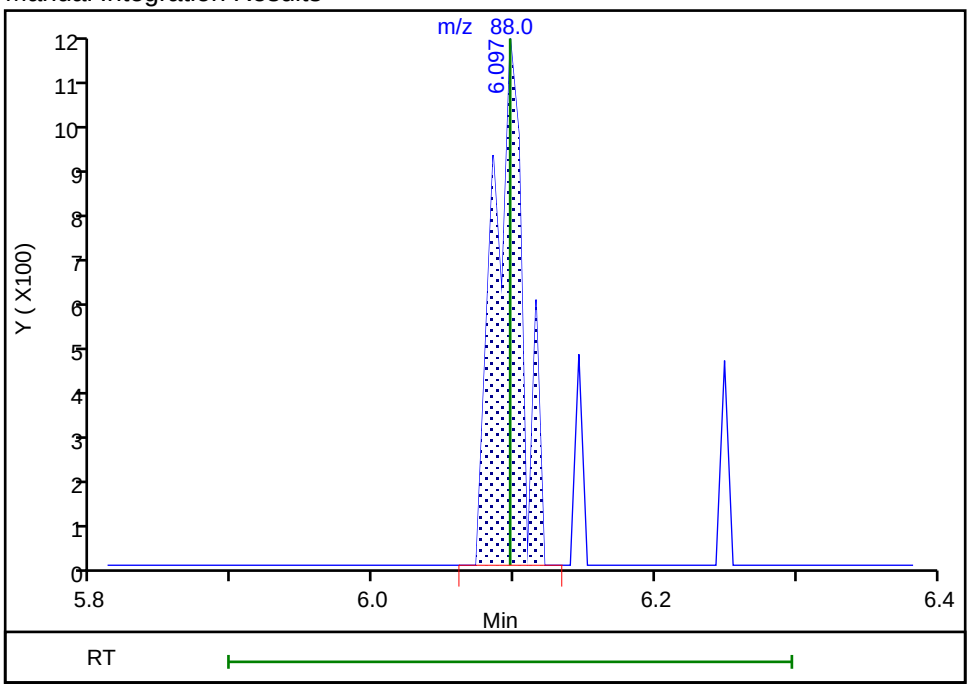
Not Detected
Expected RT: 6.10

Processing Integration Results



Manual Integration Results

RT: 6.10
Area: 1715
Amount: 34.912544
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:20:13
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0805.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Jan-2020 19:12:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0087605-009
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Jan-2020 11:49:10 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: moffata Date: 21-Jan-2020 07:21:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	97	176088	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	90	623111	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	96	343378	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	92	225312	25.0	24.6	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	94	319798	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	6.876	6.876	0.000	96	787857	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	89	258401	25.0	24.6	
11 Dichlorodifluoromethane	85	1.260	1.260	0.000	96	54616	5.00	5.83	
13 Chloromethane	50	1.437	1.437	0.000	99	79191	5.00	4.95	
144 Butadiene	54	1.522	1.522	0.000	94	82041	5.00	5.38	
14 Vinyl chloride	62	1.528	1.528	0.000	58	64462	5.00	5.29	
15 Bromomethane	94	1.802	1.802	0.000	91	39262	5.00	5.28	
16 Chloroethane	64	1.899	1.899	0.000	93	40101	5.00	5.05	
18 Trichlorofluoromethane	101	2.106	2.106	0.000	76	81464	5.00	5.31	
17 Dichlorofluoromethane	67	2.118	2.118	0.000	93	93454	5.00	5.29	
19 Ethyl ether	59	2.392	2.392	0.000	95	52831	5.00	4.80	
20 Acrolein	56	2.574	2.574	0.000	98	76488	25.0	25.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.599	2.599	0.000	64	42556	5.00	5.13	
22 1,1-Dichloroethene	96	2.605	2.605	0.000	91	41629	5.00	4.96	
23 Acetone	43	2.733	2.733	0.000	99	115107	25.0	25.0	
24 Iodomethane	142	2.769	2.769	0.000	99	79483	5.00	4.76	
25 Carbon disulfide	76	2.800	2.800	0.000	100	144136	5.00	4.94	
27 3-Chloro-1-propene	41	2.976	2.976	0.000	83	113197	5.00	4.80	
28 Methyl acetate	43	3.025	3.025	0.000	100	126413	10.0	10.2	
30 Methylene Chloride	84	3.122	3.122	0.000	89	58855	5.00	5.36	
31 2-Methyl-2-propanol	59	3.298	3.298	0.000	91	64810	50.0	56.6	
32 Methyl tert-butyl ether	73	3.329	3.329	0.000	96	141342	5.00	5.10	
33 trans-1,2-Dichloroethene	96	3.341	3.341	0.000	92	51177	5.00	5.10	
34 Acrylonitrile	53	3.408	3.408	0.000	95	300579	50.0	52.3	
35 Hexane	57	3.542	3.542	0.000	94	79380	5.00	4.57	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.761	3.761	0.000	96	104852	5.00	4.98	
39 Vinyl acetate	43	3.822	3.822	0.000	97	321410	10.0	9.76	
42 2,2-Dichloropropane	77	4.278	4.278	0.000	82	53082	5.00	4.97	
43 cis-1,2-Dichloroethene	96	4.320	4.320	0.000	85	55326	5.00	5.33	
44 2-Butanone (MEK)	43	4.357	4.357	0.000	97	187549	25.0	25.4	
47 Chlorobromomethane	128	4.552	4.552	0.000	87	27168	5.00	4.92	
49 Tetrahydrofuran	42	4.576	4.576	0.000	90	47415	10.0	9.55	
50 Chloroform	83	4.631	4.631	0.000	93	86982	5.00	4.89	
51 1,1,1-Trichloroethane	97	4.740	4.740	0.000	89	77006	5.00	5.12	
52 Cyclohexane	56	4.740	4.740	0.000	97	103990	5.00	4.93	
53 Carbon tetrachloride	117	4.880	4.880	0.000	94	65289	5.00	5.09	
54 1,1-Dichloropropene	75	4.892	4.892	0.000	83	61964	5.00	4.87	
55 Benzene	78	5.099	5.099	0.000	68	183258	5.00	4.89	
56 Isobutyl alcohol	43	5.130	5.130	0.000	89	65187	125.0	119.6	
57 1,2-Dichloroethane	62	5.160	5.160	0.000	95	85411	5.00	4.74	
59 n-Heptane	43	5.276	5.276	0.000	93	85523	5.00	4.53	
60 Trichloroethene	95	5.708	5.708	0.000	92	48324	5.00	4.87	
62 Methylcyclohexane	83	5.817	5.817	0.000	93	75320	5.00	4.76	
63 1,2-Dichloropropane	63	5.945	5.945	0.000	82	52959	5.00	4.91	
64 Dibromomethane	93	6.085	6.085	0.000	93	30202	5.00	5.05	
66 1,4-Dioxane	88	6.097	6.097	0.000	0	6445	100.0	134.3	M
67 Dichlorobromomethane	83	6.243	6.243	0.000	95	59966	5.00	4.82	
69 2-Chloroethyl vinyl ether	63	6.523	6.523	0.000	87	32872	5.00	4.88	
71 cis-1,3-Dichloropropene	75	6.657	6.657	0.000	84	65862	5.00	4.83	
72 4-Methyl-2-pentanone (MIBK	58	6.803	6.803	0.000	98	135412	25.0	26.3	
73 Toluene	92	6.942	6.942	0.000	95	102686	5.00	4.71	
75 trans-1,3-Dichloropropene	75	7.228	7.228	0.000	91	61020	5.00	4.94	
77 Ethyl methacrylate	69	7.271	7.271	0.000	88	52273	5.00	4.81	
78 1,1,2-Trichloroethane	83	7.417	7.417	0.000	91	31757	5.00	4.69	
79 Tetrachloroethene	166	7.472	7.472	0.000	86	46792	5.00	4.64	
80 1,3-Dichloropropane	76	7.575	7.575	0.000	91	60846	5.00	4.67	
82 2-Hexanone	43	7.642	7.642	0.000	97	246395	25.0	24.6	
83 Chlorodibromomethane	129	7.812	7.812	0.000	93	39897	5.00	4.68	
84 Ethylene Dibromide	107	7.916	7.916	0.000	97	41535	5.00	5.02	
85 Chlorobenzene	112	8.396	8.396	0.000	92	123509	5.00	4.88	
88 Ethylbenzene	91	8.482	8.482	0.000	97	200038	5.00	4.86	
89 1,1,1,2-Tetrachloroethane	131	8.488	8.488	0.000	48	48033	5.00	5.21	
90 m-Xylene & p-Xylene	106	8.603	8.603	0.000	97	75323	5.00	4.67	
91 o-Xylene	106	9.035	9.035	0.000	96	82069	5.00	5.08	
92 Styrene	104	9.066	9.066	0.000	91	120504	5.00	4.70	
93 Bromoform	173	9.309	9.309	0.000	94	26374	5.00	4.58	
95 Isopropylbenzene	105	9.418	9.418	0.000	97	207553	5.00	5.05	
97 Bromobenzene	156	9.771	9.771	0.000	89	54228	5.00	5.04	
98 1,1,2,2-Tetrachloroethane	83	9.832	9.832	0.000	97	59294	5.00	5.25	
100 N-Propylbenzene	91	9.850	9.850	0.000	99	237124	5.00	4.89	
99 1,2,3-Trichloropropane	110	9.857	9.857	0.000	97	17713	5.00	4.90	
101 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	76	18628	5.00	4.69	
102 2-Chlorotoluene	126	9.954	9.954	0.000	95	48526	5.00	4.81	
104 1,3,5-Trimethylbenzene	105	10.027	10.027	0.000	96	167938	5.00	4.81	
105 4-Chlorotoluene	91	10.063	10.063	0.000	97	146533	5.00	4.75	
106 tert-Butylbenzene	134	10.343	10.343	0.000	96	37847	5.00	4.62	
108 1,2,4-Trimethylbenzene	105	10.404	10.404	0.000	97	174515	5.00	4.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.556	10.556	0.000	95	218358	5.00	4.98	
110 1,3-Dichlorobenzene	146	10.696	10.696	0.000	94	105000	5.00	5.05	
111 4-Isopropyltoluene	119	10.702	10.702	0.000	97	200214	5.00	4.96	
113 1,4-Dichlorobenzene	146	10.787	10.787	0.000	96	107818	5.00	4.90	
115 n-Butylbenzene	91	11.085	11.085	0.000	96	162848	5.00	4.78	
116 1,2-Dichlorobenzene	146	11.140	11.140	0.000	95	109407	5.00	5.08	
117 1,2-Dibromo-3-Chloropropan	75	11.876	11.876	0.000	74	9583	5.00	4.72	
119 1,2,4-Trichlorobenzene	180	12.545	12.545	0.000	94	69881	5.00	4.97	
120 Hexachlorobutadiene	225	12.661	12.661	0.000	94	33249	5.00	4.84	
121 Naphthalene	128	12.764	12.764	0.000	97	183520	5.00	5.20	
122 1,2,3-Trichlorobenzene	180	12.965	12.965	0.000	94	65475	5.00	5.18	
S 126 Xylenes, Total	1				0			9.74	
S 123 1,3-Dichloropropene, Total	1				0			9.78	
S 125 Total BTEX	1				0			24.2	
S 124 1,2-Dichloroethene, Total	1				0			10.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00177	Amount Added:	5.00	Units: uL	
GAS CORP mix_00379	Amount Added:	5.00	Units: uL	
N_8260_Surr_00392	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00182	Amount Added:	1.00	Units: uL	Run Reagent

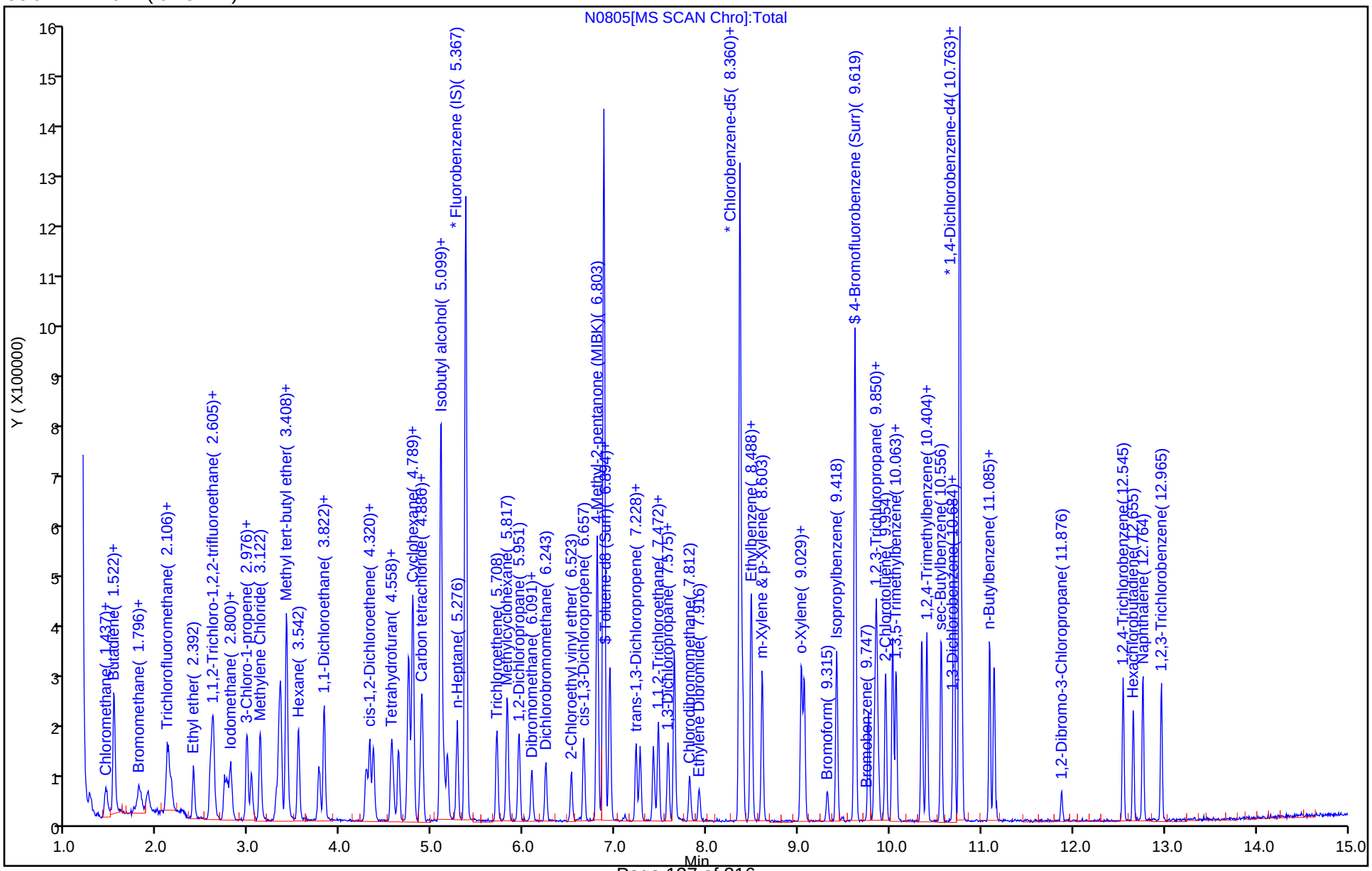
Report Date: 21-Jan-2020 11:49:14 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0805.D

Injection Date:	20-Jan-2020 19:12:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

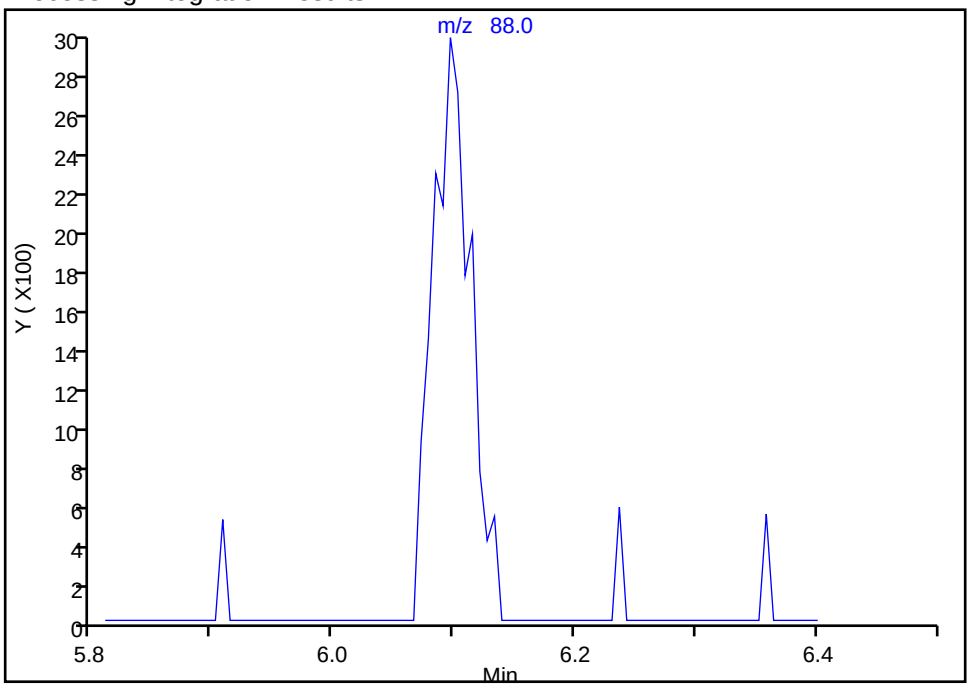
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0805.D
Injection Date: 20-Jan-2020 19:12:30 Instrument ID: HP5973N
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

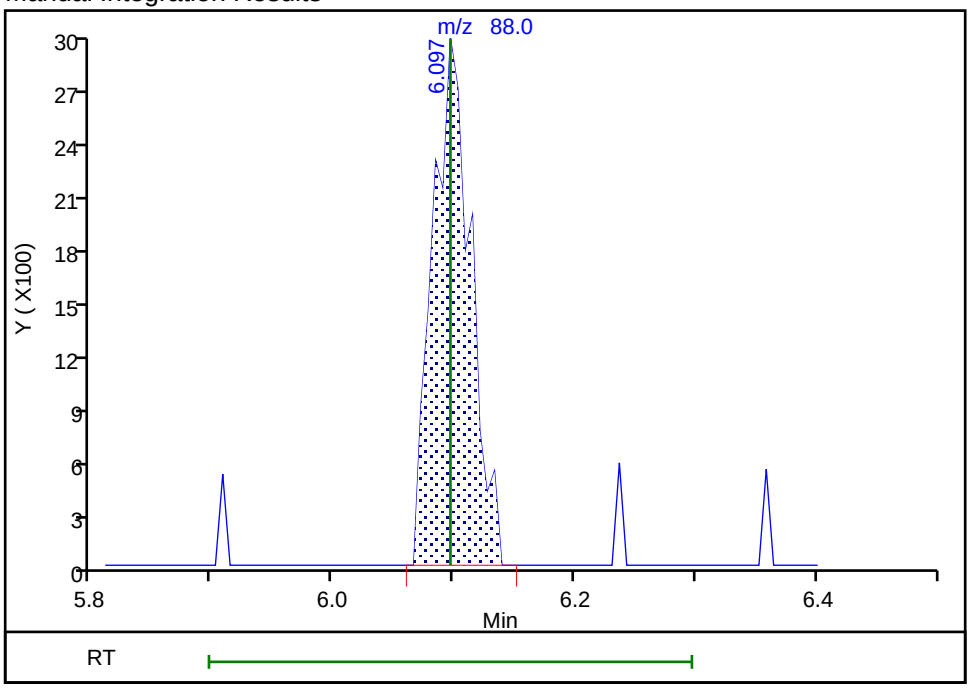
Not Detected
Expected RT: 6.10

Processing Integration Results



Manual Integration Results

RT: 6.10
Area: 6445
Amount: 134.2685
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:21:17
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0806.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 20-Jan-2020 19:37:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0087605-010
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Jan-2020 11:49:21 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: moffata Date: 21-Jan-2020 07:22:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	97	186791	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	91	646040	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	95	368158	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	93	235283	25.0	24.2	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	93	330453	25.0	24.4	
$ 6 Toluene-d8 (Surr)	98	6.876	6.876	0.000	96	834708	25.0	25.4	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	88	269967	25.0	24.8	
11 Dichlorodifluoromethane	85	1.261	1.260	0.000	97	102760	10.0	10.3	
13 Chloromethane	50	1.431	1.437	-0.006	100	172498	10.0	10.2	
144 Butadiene	54	1.522	1.522	0.000	97	156946	10.0	9.70	
14 Vinyl chloride	62	1.528	1.528	0.000	59	124600	10.0	9.65	
15 Bromomethane	94	1.802	1.802	0.000	92	77832	10.0	9.87	
16 Chloroethane	64	1.887	1.899	-0.012	95	77446	10.0	9.19	
18 Trichlorofluoromethane	101	2.112	2.106	0.006	67	155756	10.0	9.57	
17 Dichlorofluoromethane	67	2.106	2.118	-0.012	94	179038	10.0	9.56	
19 Ethyl ether	59	2.392	2.392	0.000	95	113540	10.0	9.73	
20 Acrolein	56	2.575	2.574	0.001	99	153232	50.0	47.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.599	2.599	0.000	62	77452	10.0	8.80	
22 1,1-Dichloroethene	96	2.599	2.605	-0.006	91	83005	10.0	9.33	
23 Acetone	43	2.733	2.733	0.000	96	237324	50.0	48.5	
24 Iodomethane	142	2.763	2.769	-0.006	99	167579	10.0	9.45	
25 Carbon disulfide	76	2.800	2.800	0.000	98	283518	10.0	9.16	
27 3-Chloro-1-propene	41	2.976	2.976	0.000	84	224917	10.0	8.99	
28 Methyl acetate	43	3.025	3.025	0.000	100	251984	20.0	19.2	
30 Methylene Chloride	84	3.122	3.122	0.000	91	106278	10.0	9.63	
31 2-Methyl-2-propanol	59	3.305	3.298	0.007	98	116799	100.0	96.2	
32 Methyl tert-butyl ether	73	3.329	3.329	0.000	96	282129	10.0	9.60	
33 trans-1,2-Dichloroethene	96	3.347	3.341	0.006	91	91792	10.0	8.62	
34 Acrylonitrile	53	3.408	3.408	0.000	94	595497	100.0	97.6	
35 Hexane	57	3.536	3.542	-0.006	95	166292	10.0	9.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.761	3.761	0.000	98	203138	10.0	9.10	
39 Vinyl acetate	43	3.816	3.822	-0.006	97	660996	20.0	18.9	
42 2,2-Dichloropropane	77	4.278	4.278	0.000	81	101828	10.0	8.98	
43 cis-1,2-Dichloroethene	96	4.314	4.320	-0.006	83	105117	10.0	9.54	
44 2-Butanone (MEK)	43	4.357	4.357	0.000	97	369437	50.0	47.1	
47 Chlorobromomethane	128	4.558	4.552	0.006	88	54598	10.0	9.31	
49 Tetrahydrofuran	42	4.564	4.576	-0.012	92	102649	20.0	19.5	
50 Chloroform	83	4.631	4.631	0.000	96	176637	10.0	9.36	
51 1,1,1-Trichloroethane	97	4.740	4.740	0.000	87	147069	10.0	9.21	
52 Cyclohexane	56	4.740	4.740	0.000	97	195736	10.0	8.75	
53 Carbon tetrachloride	117	4.874	4.880	-0.006	91	119711	10.0	8.80	
54 1,1-Dichloropropene	75	4.892	4.892	0.000	80	122517	10.0	9.08	
55 Benzene	78	5.093	5.099	-0.006	86	370696	10.0	9.33	
56 Isobutyl alcohol	43	5.130	5.130	0.000	95	140939	250.0	243.8	
57 1,2-Dichloroethane	62	5.166	5.160	0.006	96	179528	10.0	9.39	
59 n-Heptane	43	5.276	5.276	0.000	95	184002	10.0	9.20	
60 Trichloroethene	95	5.708	5.708	0.000	94	100019	10.0	9.50	
62 Methylcyclohexane	83	5.817	5.817	0.000	95	148911	10.0	8.87	
63 1,2-Dichloropropane	63	5.951	5.945	0.006	84	105563	10.0	9.23	
64 Dibromomethane	93	6.079	6.085	-0.006	93	63919	10.0	10.1	
66 1,4-Dioxane	88	6.091	6.097	-0.006	35	11242	200.0	225.9	M
67 Dichlorobromomethane	83	6.237	6.243	-0.006	94	122750	10.0	9.30	
69 2-Chloroethyl vinyl ether	63	6.523	6.523	0.000	88	69881	10.0	9.78	
71 cis-1,3-Dichloropropene	75	6.657	6.657	0.000	82	143462	10.0	9.93	
72 4-Methyl-2-pentanone (MIBK	58	6.803	6.803	0.000	98	282056	50.0	52.9	
73 Toluene	92	6.936	6.942	-0.006	96	219862	10.0	9.72	
75 trans-1,3-Dichloropropene	75	7.222	7.228	-0.006	90	126263	10.0	9.87	
77 Ethyl methacrylate	69	7.271	7.271	0.000	92	116113	10.0	10.3	
78 1,1,2-Trichloroethane	83	7.417	7.417	0.000	94	69633	10.0	9.93	
79 Tetrachloroethene	166	7.472	7.472	0.000	92	101754	10.0	9.73	
80 1,3-Dichloropropane	76	7.575	7.575	0.000	89	136481	10.0	10.1	
82 2-Hexanone	43	7.642	7.642	0.000	97	520758	50.0	50.1	
83 Chlorodibromomethane	129	7.813	7.812	0.001	91	87597	10.0	9.92	
84 Ethylene Dibromide	107	7.916	7.916	0.000	98	85640	10.0	9.98	
85 Chlorobenzene	112	8.390	8.396	-0.006	92	253912	10.0	9.68	
88 Ethylbenzene	91	8.482	8.482	0.000	98	405774	10.0	9.51	
89 1,1,1,2-Tetrachloroethane	131	8.488	8.488	0.000	91	95187	10.0	9.96	
90 m-Xylene & p-Xylene	106	8.603	8.603	0.000	97	164828	10.0	9.85	
91 o-Xylene	106	9.029	9.035	-0.006	97	171408	10.0	10.2	
92 Styrene	104	9.060	9.066	-0.006	94	266546	10.0	10.0	
93 Bromoform	173	9.315	9.309	0.006	92	55288	10.0	9.25	
95 Isopropylbenzene	105	9.419	9.418	0.001	97	419351	10.0	9.51	
97 Bromobenzene	156	9.765	9.771	-0.006	88	109549	10.0	9.49	
98 1,1,2,2-Tetrachloroethane	83	9.832	9.832	0.000	96	117595	10.0	9.70	
100 N-Propylbenzene	91	9.851	9.850	0.000	99	499969	10.0	9.62	
99 1,2,3-Trichloropropane	110	9.863	9.857	0.007	95	38595	10.0	9.95	
101 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	72	42885	10.0	10.1	
102 2-Chlorotoluene	126	9.954	9.954	0.000	96	105662	10.0	9.77	
104 1,3,5-Trimethylbenzene	105	10.027	10.027	0.000	96	363117	10.0	9.70	
105 4-Chlorotoluene	91	10.063	10.063	0.000	98	312471	10.0	9.45	
106 tert-Butylbenzene	134	10.349	10.343	0.006	95	83504	10.0	9.50	
108 1,2,4-Trimethylbenzene	105	10.404	10.404	0.000	97	361733	10.0	9.39	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.556	10.556	0.000	95	452892	10.0	9.64	
110 1,3-Dichlorobenzene	146	10.696	10.696	0.000	96	224555	10.0	10.1	
111 4-Isopropyltoluene	119	10.702	10.702	0.000	97	419573	10.0	9.70	
113 1,4-Dichlorobenzene	146	10.787	10.787	0.000	93	213768	10.0	9.06	
115 n-Butylbenzene	91	11.092	11.085	0.007	98	360724	10.0	9.88	
116 1,2-Dichlorobenzene	146	11.140	11.140	0.000	97	230598	10.0	10.0	
117 1,2-Dibromo-3-Chloropropan	75	11.876	11.876	0.000	74	20740	10.0	9.53	
119 1,2,4-Trichlorobenzene	180	12.546	12.545	0.001	93	155097	10.0	10.3	
120 Hexachlorobutadiene	225	12.655	12.661	-0.006	96	70358	10.0	9.56	
121 Naphthalene	128	12.765	12.764	0.001	97	391530	10.0	10.4	
122 1,2,3-Trichlorobenzene	180	12.965	12.965	0.000	95	137976	10.0	10.2	
S 126 Xylenes, Total	1				0			20.1	
S 123 1,3-Dichloropropene, Total	1				0			19.8	
S 125 Total BTEX	1				0			48.6	
S 124 1,2-Dichloroethene, Total	1				0			18.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00177	Amount Added:	5.00	Units: uL	
GAS CORP mix_00379	Amount Added:	5.00	Units: uL	
N_8260_Surr_00392	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00182	Amount Added:	1.00	Units: uL	Run Reagent

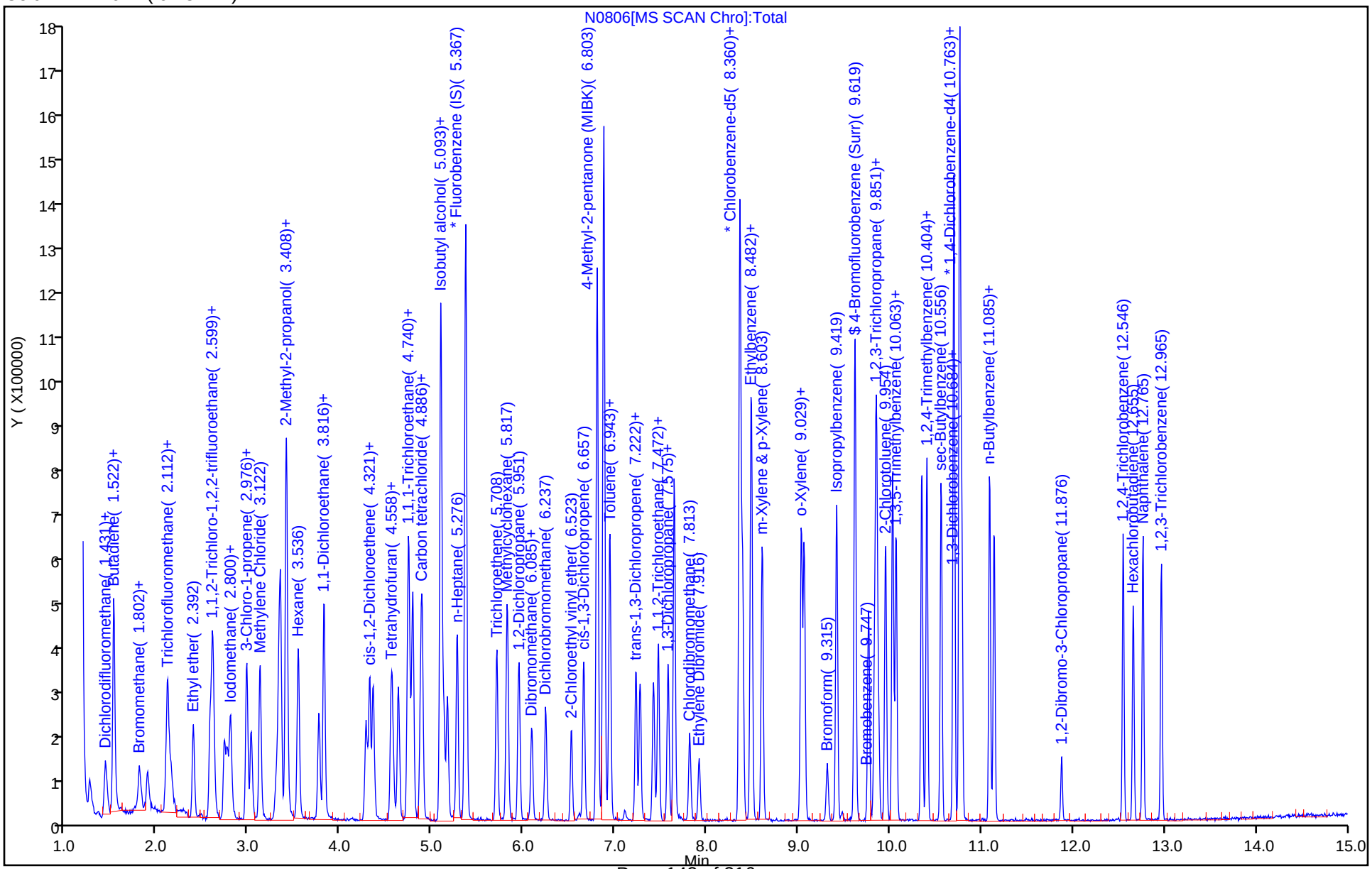
Report Date: 21-Jan-2020 11:49:25 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0806.D

Injection Date:	20-Jan-2020 19:37:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

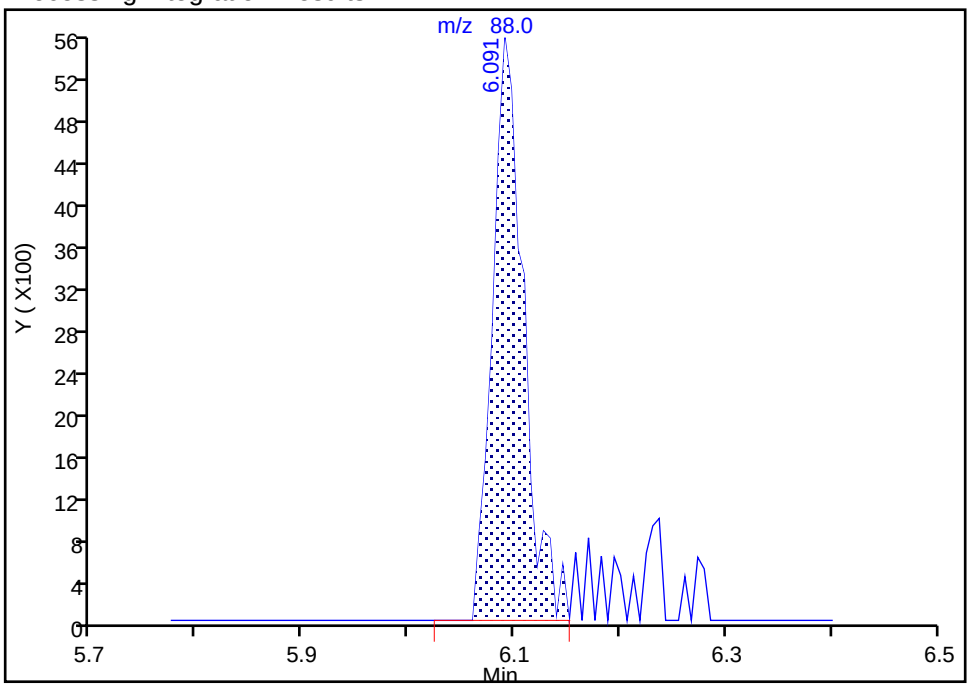
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0806.D
Injection Date: 20-Jan-2020 19:37:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

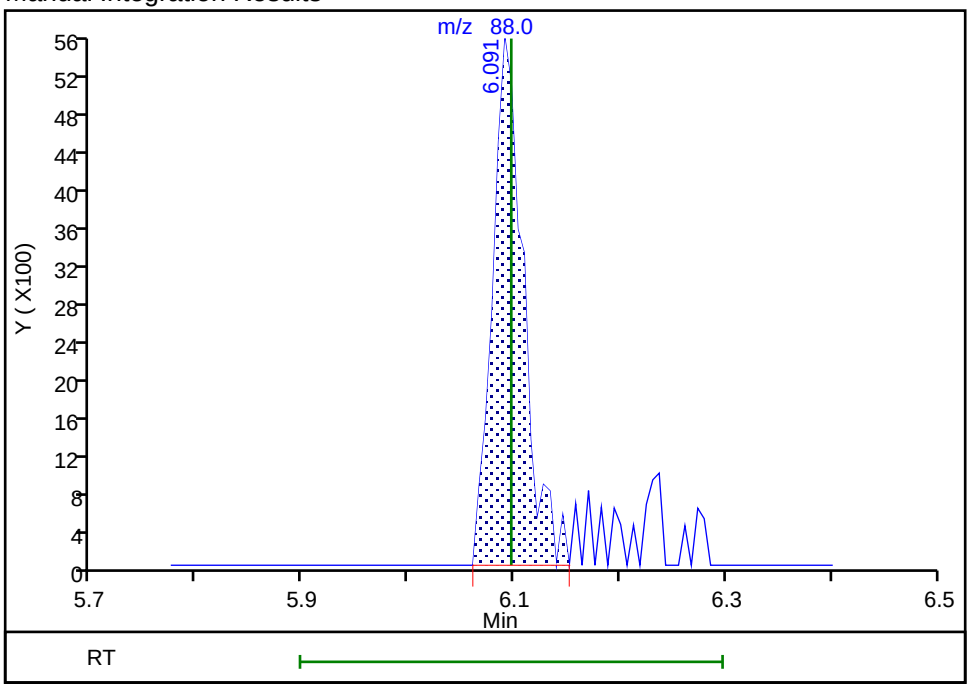
Processing Integration Results

RT: 6.09
Area: 11242
Amount: 236.5912
Amount Units: ug/L



Manual Integration Results

RT: 6.09
Area: 11242
Amount: 225.8920
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 07:26:32
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0807.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 20-Jan-2020 20:01:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0087605-011
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Jan-2020 11:49:33 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: moffata Date: 21-Jan-2020 07:16:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	97	175794	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	90	651696	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	95	363845	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	93	235705	25.0	25.8	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	64	324696	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	6.876	6.876	0.000	95	800810	25.0	24.2	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	89	271153	25.0	24.7	
11 Dichlorodifluoromethane	85	1.260	1.260	0.000	96	241174	25.0	25.8	
13 Chloromethane	50	1.431	1.431	0.000	99	416867	25.0	26.1	
144 Butadiene	54	1.522	1.522	0.000	96	408483	25.0	26.8	
14 Vinyl chloride	62	1.522	1.522	0.000	59	319227	25.0	26.3	
15 Bromomethane	94	1.802	1.802	0.000	93	189026	25.0	25.5	
16 Chloroethane	64	1.887	1.887	0.000	95	208062	25.0	26.2	
18 Trichlorofluoromethane	101	2.112	2.112	0.000	69	414494	25.0	27.1	
17 Dichlorofluoromethane	67	2.112	2.112	0.000	96	439257	25.0	24.9	
19 Ethyl ether	59	2.392	2.392	0.000	97	280536	25.0	25.6	
20 Acrolein	56	2.568	2.568	0.000	99	363030	125.0	120.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.605	2.605	0.000	92	223558	25.0	27.0	
22 1,1-Dichloroethene	96	2.599	2.599	0.000	91	223267	25.0	26.7	
23 Acetone	43	2.727	2.727	0.000	97	489137	125.0	106.3	
24 Iodomethane	142	2.763	2.763	0.000	99	432307	25.0	25.9	
25 Carbon disulfide	76	2.794	2.794	0.000	97	755984	25.0	25.9	
27 3-Chloro-1-propene	41	2.970	2.970	0.000	83	609681	25.0	25.9	
28 Methyl acetate	43	3.025	3.025	0.000	100	573891	50.0	46.4	
30 Methylene Chloride	84	3.122	3.122	0.000	91	268166	25.0	27.0	
31 2-Methyl-2-propanol	59	3.292	3.292	0.000	92	240044	250.0	210.1	
32 Methyl tert-butyl ether	73	3.329	3.329	0.000	96	720341	25.0	26.0	
33 trans-1,2-Dichloroethene	96	3.341	3.341	0.000	91	262025	25.0	26.2	
34 Acrylonitrile	53	3.402	3.402	0.000	98	1381370	250.0	240.7	
35 Hexane	57	3.536	3.536	0.000	95	451894	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.761	3.761	0.000	97	525662	25.0	25.0	
39 Vinyl acetate	43	3.816	3.816	0.000	97	1672300	50.0	50.9	
42 2,2-Dichloropropane	77	4.278	4.278	0.000	84	284014	25.0	26.6	
43 cis-1,2-Dichloroethene	96	4.314	4.314	0.000	88	271778	25.0	26.2	
44 2-Butanone (MEK)	43	4.351	4.351	0.000	97	835089	125.0	113.2	
47 Chlorobromomethane	128	4.552	4.552	0.000	88	139746	25.0	25.3	
49 Tetrahydrofuran	42	4.564	4.564	0.000	92	229424	50.0	46.3	
50 Chloroform	83	4.631	4.631	0.000	95	459181	25.0	25.8	
51 1,1,1-Trichloroethane	97	4.740	4.740	0.000	95	395011	25.0	26.3	
52 Cyclohexane	56	4.740	4.740	0.000	97	577024	25.0	27.4	
53 Carbon tetrachloride	117	4.874	4.874	0.000	93	350583	25.0	27.4	
54 1,1-Dichloropropene	75	4.886	4.886	0.000	83	326817	25.0	25.7	
55 Benzene	78	5.093	5.093	0.000	92	950632	25.0	25.4	
56 Isobutyl alcohol	43	5.124	5.124	0.000	94	292290	625.0	537.3	
57 1,2-Dichloroethane	62	5.166	5.166	0.000	96	438925	25.0	24.4	
59 n-Heptane	43	5.270	5.270	0.000	96	496461	25.0	26.4	
60 Trichloroethene	95	5.701	5.701	0.000	92	250712	25.0	25.3	
62 Methylcyclohexane	83	5.817	5.817	0.000	95	433239	25.0	27.4	
63 1,2-Dichloropropane	63	5.951	5.951	0.000	84	270485	25.0	25.1	
64 Dibromomethane	93	6.085	6.085	0.000	94	158435	25.0	26.5	
66 1,4-Dioxane	88	6.091	6.091	0.000	38	21372	500.0	425.7	
67 Dichlorobromomethane	83	6.237	6.237	0.000	94	319050	25.0	25.7	
69 2-Chloroethyl vinyl ether	63	6.517	6.517	0.000	88	165584	25.0	24.6	
71 cis-1,3-Dichloropropene	75	6.657	6.657	0.000	83	359088	25.0	26.4	
72 4-Methyl-2-pentanone (MIBK	58	6.803	6.803	0.000	98	650917	125.0	121.1	
73 Toluene	92	6.943	6.943	0.000	97	575155	25.0	25.2	
75 trans-1,3-Dichloropropene	75	7.228	7.228	0.000	92	331381	25.0	25.7	
77 Ethyl methacrylate	69	7.271	7.271	0.000	89	285985	25.0	25.1	
78 1,1,2-Trichloroethane	83	7.417	7.417	0.000	94	169728	25.0	24.0	
79 Tetrachloroethene	166	7.472	7.472	0.000	94	279238	25.0	26.5	
80 1,3-Dichloropropane	76	7.575	7.575	0.000	89	330661	25.0	24.3	
82 2-Hexanone	43	7.642	7.642	0.000	98	1280285	125.0	122.2	
83 Chlorodibromomethane	129	7.812	7.812	0.000	90	236649	25.0	26.6	
84 Ethylene Dibromide	107	7.916	7.916	0.000	98	214833	25.0	24.8	
85 Chlorobenzene	112	8.390	8.390	0.000	92	654052	25.0	24.7	
88 Ethylbenzene	91	8.482	8.482	0.000	98	1091368	25.0	25.3	
89 1,1,1,2-Tetrachloroethane	131	8.488	8.488	0.000	92	253492	25.0	26.3	
90 m-Xylene & p-Xylene	106	8.609	8.609	0.000	97	427722	25.0	25.3	
91 o-Xylene	106	9.029	9.029	0.000	98	440502	25.0	26.0	
92 Styrene	104	9.066	9.066	0.000	93	709747	25.0	26.4	
93 Bromoform	173	9.315	9.315	0.000	94	160342	25.0	26.6	
95 Isopropylbenzene	105	9.419	9.419	0.000	97	1141973	25.0	26.2	
97 Bromobenzene	156	9.765	9.765	0.000	90	289184	25.0	25.4	
98 1,1,2,2-Tetrachloroethane	83	9.832	9.832	0.000	95	303112	25.0	25.3	
100 N-Propylbenzene	91	9.850	9.850	0.000	99	1323558	25.0	25.8	
99 1,2,3-Trichloropropane	110	9.863	9.863	0.000	93	89680	25.0	23.4	
101 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	81	119357	25.0	28.4	
102 2-Chlorotoluene	126	9.954	9.954	0.000	95	285765	25.0	26.7	
104 1,3,5-Trimethylbenzene	105	10.027	10.027	0.000	95	971937	25.0	26.3	
105 4-Chlorotoluene	91	10.069	10.069	0.000	98	816074	25.0	25.0	
106 tert-Butylbenzene	134	10.349	10.349	0.000	95	221885	25.0	25.6	
108 1,2,4-Trimethylbenzene	105	10.404	10.404	0.000	98	981787	25.0	25.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.562	10.562	0.000	96	1221872	25.0	26.3	
110 1,3-Dichlorobenzene	146	10.696	10.696	0.000	97	571286	25.0	25.9	
111 4-Isopropyltoluene	119	10.702	10.702	0.000	98	1149154	25.0	26.9	
113 1,4-Dichlorobenzene	146	10.781	10.781	0.000	93	573297	25.0	24.6	
115 n-Butylbenzene	91	11.085	11.085	0.000	98	960906	25.0	26.6	
116 1,2-Dichlorobenzene	146	11.140	11.140	0.000	96	578060	25.0	25.4	
117 1,2-Dibromo-3-Chloropropan	75	11.870	11.870	0.000	74	57389	25.0	26.7	
119 1,2,4-Trichlorobenzene	180	12.545	12.545	0.000	94	377486	25.0	25.3	
120 Hexachlorobutadiene	225	12.655	12.655	0.000	97	186619	25.0	25.7	
121 Naphthalene	128	12.764	12.764	0.000	97	967397	25.0	25.9	
122 1,2,3-Trichlorobenzene	180	12.965	12.965	0.000	94	346761	25.0	25.9	

Reagents:

8260 CORP mix_00177	Amount Added: 12.50	Units: uL	
GAS CORP mix_00379	Amount Added: 12.50	Units: uL	
N_8260_Surr_00392	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00182	Amount Added: 1.00	Units: uL	Run Reagent

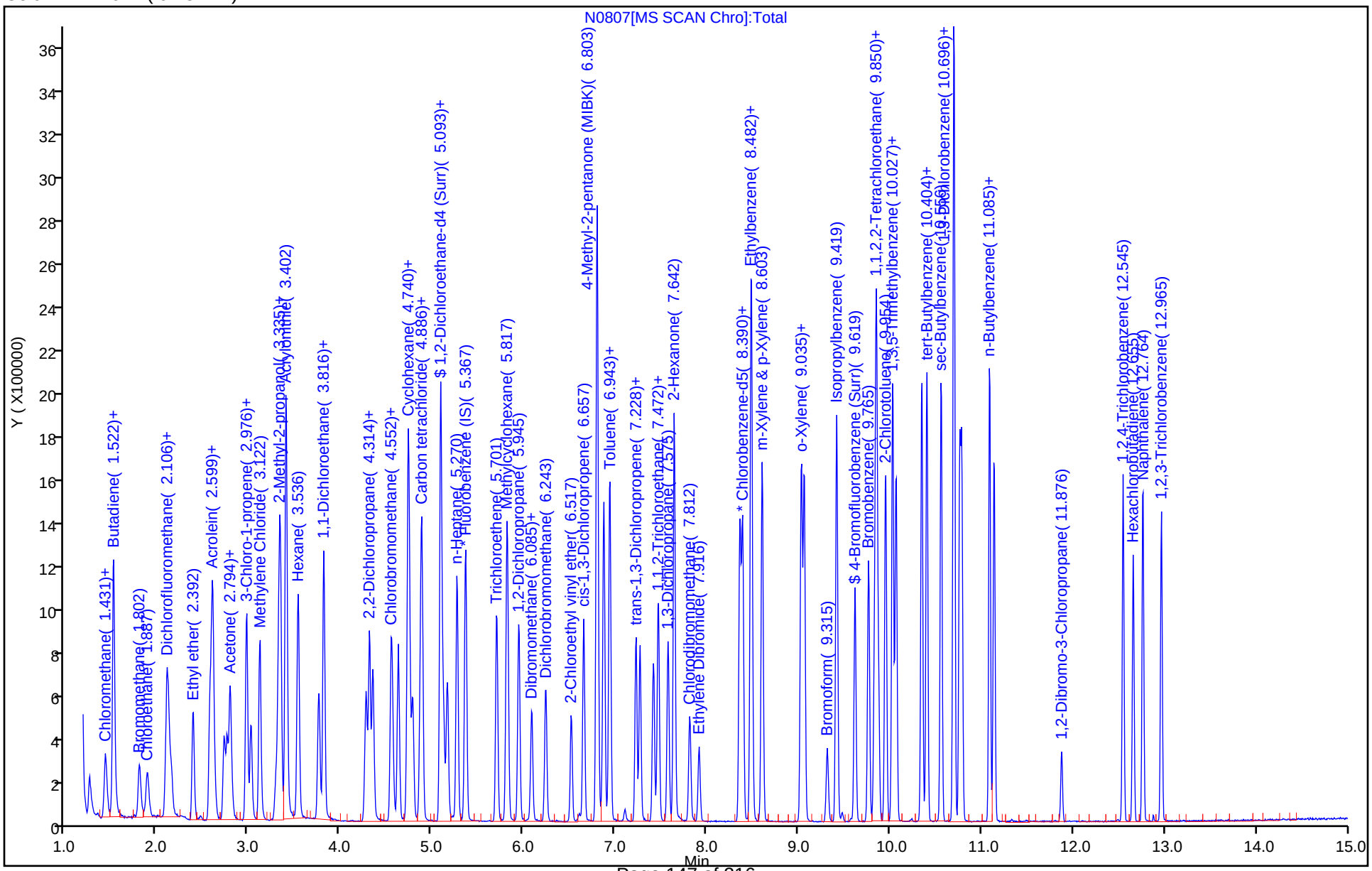
Report Date: 21-Jan-2020 11:49:36 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0807.D

Injection Date:	20-Jan-2020 20:01:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0808.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Jan-2020 20:25:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0087605-012
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Jan-2020 11:49:43 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: moffata Date: 21-Jan-2020 07:23:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	98	184995	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	90	677224	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	95	369999	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	93	244781	25.0	25.4	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	52	339037	25.0	25.3	
$ 6 Toluene-d8 (Surr)	98	6.876	6.876	0.000	96	876750	25.0	25.5	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	91	291118	25.0	25.5	
11 Dichlorodifluoromethane	85	1.260	1.260	0.000	98	470908	50.0	47.9	
13 Chloromethane	50	1.437	1.431	0.006	100	812584	50.0	48.3	
144 Butadiene	54	1.522	1.522	0.000	94	756283	50.0	47.2	
14 Vinyl chloride	62	1.528	1.522	0.006	58	589258	50.0	46.1	
15 Bromomethane	94	1.808	1.802	0.006	92	370390	50.0	47.4	
16 Chloroethane	64	1.893	1.887	0.006	96	381932	50.0	45.8	
17 Dichlorofluoromethane	67	2.112	2.112	0.000	95	857105	50.0	46.2	
18 Trichlorofluoromethane	101	2.118	2.112	0.006	71	745646	50.0	46.3	
19 Ethyl ether	59	2.392	2.392	0.000	98	574552	50.0	49.7	
20 Acrolein	56	2.574	2.568	0.006	98	775979	250.0	244.6	
22 1,1-Dichloroethene	96	2.605	2.599	0.006	91	434930	50.0	49.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.599	2.605	-0.006	65	431398	50.0	49.5	
23 Acetone	43	2.733	2.727	0.006	97	1076516	250.0	222.2	
24 Iodomethane	142	2.763	2.763	0.000	100	840863	50.0	47.9	
25 Carbon disulfide	76	2.800	2.794	0.006	98	1494161	50.0	48.7	
27 3-Chloro-1-propene	41	2.976	2.970	0.006	83	1233067	50.0	49.8	
28 Methyl acetate	43	3.025	3.025	0.000	100	1229101	100.0	94.3	
30 Methylene Chloride	84	3.122	3.122	0.000	91	510603	50.0	49.5	
31 2-Methyl-2-propanol	59	3.298	3.292	0.006	98	528176	500.0	439.3	
32 Methyl tert-butyl ether	73	3.329	3.329	0.000	96	1424541	50.0	49.0	
33 trans-1,2-Dichloroethene	96	3.347	3.341	0.006	90	514511	50.0	48.8	
34 Acrylonitrile	53	3.408	3.402	0.006	97	2947610	500.0	488.0	
35 Hexane	57	3.542	3.536	0.006	95	876970	50.0	48.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.767	3.761	0.006	98	1059450	50.0	47.9	
39 Vinyl acetate	43	3.816	3.816	0.000	97	3575750	100.0	103.3	
42 2,2-Dichloropropane	77	4.278	4.278	0.000	83	533417	50.0	47.5	
43 cis-1,2-Dichloroethene	96	4.320	4.314	0.006	89	557680	50.0	51.1	
44 2-Butanone (MEK)	43	4.357	4.351	0.006	96	1838564	250.0	236.8	
47 Chlorobromomethane	128	4.552	4.552	0.000	88	281831	50.0	48.5	
49 Tetrahydrofuran	42	4.570	4.564	0.006	91	498356	100.0	95.6	
50 Chloroform	83	4.631	4.631	0.000	98	916253	50.0	49.0	
51 1,1,1-Trichloroethane	97	4.740	4.740	0.000	95	811853	50.0	51.3	
52 Cyclohexane	56	4.740	4.740	0.000	97	1154361	50.0	52.1	
53 Carbon tetrachloride	117	4.874	4.874	0.000	88	698618	50.0	51.9	
54 1,1-Dichloropropene	75	4.892	4.886	0.006	84	658689	50.0	49.3	
55 Benzene	78	5.093	5.093	0.000	93	1936254	50.0	49.2	
56 Isobutyl alcohol	43	5.124	5.124	0.000	91	685734	1250.0	1197.8	
57 1,2-Dichloroethane	62	5.166	5.166	0.000	95	883850	50.0	46.7	
59 n-Heptane	43	5.276	5.270	0.006	96	984322	50.0	49.7	
60 Trichloroethene	95	5.701	5.701	0.000	92	511188	50.0	49.0	
62 Methylcyclohexane	83	5.817	5.817	0.000	95	842495	50.0	50.7	
63 1,2-Dichloropropane	63	5.945	5.951	-0.006	85	548173	50.0	48.4	
64 Dibromomethane	93	6.085	6.085	0.000	95	322725	50.0	51.3	
66 1,4-Dioxane	88	6.085	6.091	-0.006	34	43835	1000.0	840.2	
67 Dichlorobromomethane	83	6.237	6.237	0.000	96	668957	50.0	51.2	
69 2-Chloroethyl vinyl ether	63	6.523	6.517	0.006	89	369863	50.0	52.3	
71 cis-1,3-Dichloropropene	75	6.657	6.657	0.000	83	746113	50.0	52.1	
72 4-Methyl-2-pentanone (MIBK	58	6.803	6.803	0.000	99	1430015	250.0	256.0	
73 Toluene	92	6.943	6.943	0.000	96	1164428	50.0	49.1	
75 trans-1,3-Dichloropropene	75	7.228	7.228	0.000	92	702559	50.0	52.4	
77 Ethyl methacrylate	69	7.271	7.271	0.000	89	622192	50.0	52.6	
78 1,1,2-Trichloroethane	83	7.417	7.417	0.000	96	352472	50.0	47.9	
79 Tetrachloroethene	166	7.472	7.472	0.000	95	539623	50.0	49.2	
80 1,3-Dichloropropane	76	7.575	7.575	0.000	90	699723	50.0	49.4	
82 2-Hexanone	43	7.642	7.642	0.000	97	2825202	250.0	259.5	
83 Chlorodibromomethane	129	7.812	7.812	0.000	90	503751	50.0	54.4	
84 Ethylene Dibromide	107	7.916	7.916	0.000	98	461433	50.0	51.3	
85 Chlorobenzene	112	8.390	8.390	0.000	91	1319492	50.0	48.0	
88 Ethylbenzene	91	8.482	8.482	0.000	98	2229832	50.0	49.8	
89 1,1,1,2-Tetrachloroethane	131	8.494	8.488	0.006	92	526250	50.0	52.5	
90 m-Xylene & p-Xylene	106	8.603	8.609	-0.006	97	891717	50.0	50.9	
91 o-Xylene	106	9.029	9.029	0.000	97	898330	50.0	51.1	
92 Styrene	104	9.066	9.066	0.000	94	1453065	50.0	52.1	
93 Bromoform	173	9.315	9.315	0.000	95	350640	50.0	56.0	
95 Isopropylbenzene	105	9.419	9.419	0.000	97	2317651	50.0	52.3	
97 Bromobenzene	156	9.765	9.765	0.000	88	586172	50.0	50.5	
98 1,1,2,2-Tetrachloroethane	83	9.832	9.832	0.000	96	611497	50.0	50.2	
100 N-Propylbenzene	91	9.850	9.850	0.000	99	2715885	50.0	52.0	
99 1,2,3-Trichloropropane	110	9.863	9.863	0.000	94	195359	50.0	50.1	
101 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	79	275797	50.0	64.5	
102 2-Chlorotoluene	126	9.954	9.954	0.000	95	565261	50.0	52.0	
104 1,3,5-Trimethylbenzene	105	10.027	10.027	0.000	96	1997768	50.0	53.1	
105 4-Chlorotoluene	91	10.063	10.069	-0.006	97	1674174	50.0	50.4	
106 tert-Butylbenzene	134	10.349	10.349	0.000	95	440070	50.0	49.8	
108 1,2,4-Trimethylbenzene	105	10.404	10.404	0.000	98	1994607	50.0	51.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.562	10.562	0.000	95	2485305	50.0	52.6	
110 1,3-Dichlorobenzene	146	10.696	10.696	0.000	96	1140353	50.0	50.9	
111 4-Isopropyltoluene	119	10.702	10.702	0.000	98	2347415	50.0	54.0	
113 1,4-Dichlorobenzene	146	10.787	10.781	0.006	94	1177904	50.0	49.7	
115 n-Butylbenzene	91	11.085	11.085	0.000	98	1926350	50.0	52.5	
116 1,2-Dichlorobenzene	146	11.140	11.140	0.000	96	1163097	50.0	50.2	
117 1,2-Dibromo-3-Chloropropan	75	11.876	11.870	0.006	76	121783	50.0	55.7	
119 1,2,4-Trichlorobenzene	180	12.545	12.545	0.000	95	749327	50.0	49.5	
120 Hexachlorobutadiene	225	12.655	12.655	0.000	97	356682	50.0	48.2	
121 Naphthalene	128	12.764	12.764	0.000	97	2037724	50.0	53.6	
122 1,2,3-Trichlorobenzene	180	12.965	12.965	0.000	95	700298	50.0	51.4	
S 126 Xylenes, Total	1				0			102.0	
S 123 1,3-Dichloropropene, Total	1				0			104.5	
S 125 Total BTEX	1				0			250.1	
S 124 1,2-Dichloroethene, Total	1				0			99.9	

Reagents:

8260 CORP mix_00177	Amount Added: 25.00	Units: uL	
GAS CORP mix_00379	Amount Added: 25.00	Units: uL	
N_8260_Surr_00392	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00182	Amount Added: 1.00	Units: uL	Run Reagent

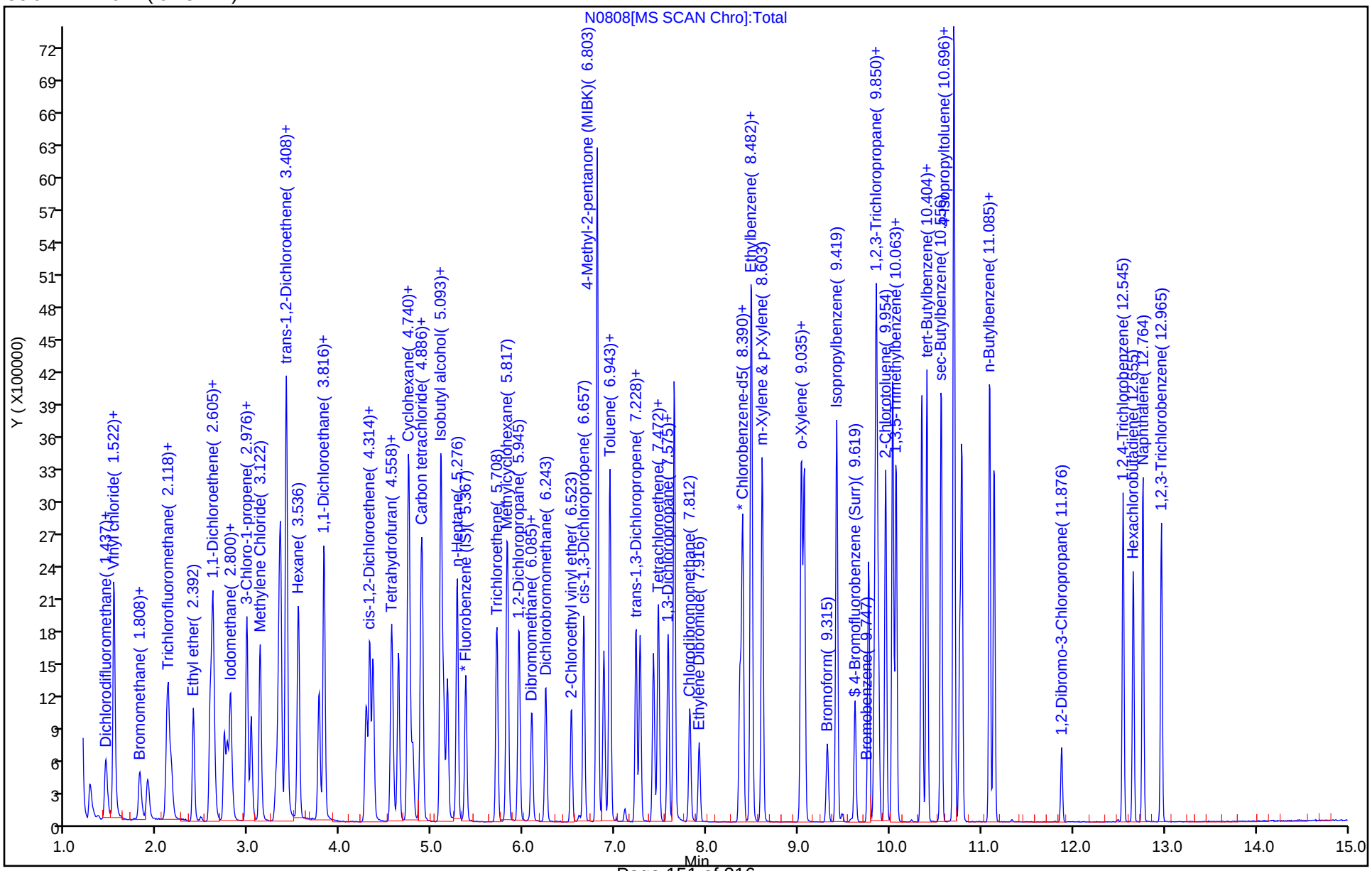
Report Date: 21-Jan-2020 11:49:46 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0808.D

Injection Date:	20-Jan-2020 20:25:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0809.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 20-Jan-2020 20:49:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0087605-013
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Jan-2020 11:49:56 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: moffata Date: 21-Jan-2020 07:24:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	98	189769	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	91	721658	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	95	400725	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	93	249564	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	46	350693	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	6.876	6.876	0.000	96	905716	25.0	24.7	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	90	316789	25.0	26.1	
11 Dichlorodifluoromethane	85	1.260	1.260	0.000	98	923764	100.0	91.5	
13 Chloromethane	50	1.431	1.431	0.000	99	1652253	100.0	95.8	
144 Butadiene	54	1.522	1.522	0.000	96	1422258	100.0	86.6	
14 Vinyl chloride	62	1.528	1.522	0.006	99	1176128	100.0	89.6	
15 Bromomethane	94	1.808	1.802	0.006	92	741739	100.0	92.5	
16 Chloroethane	64	1.893	1.887	0.006	95	769202	100.0	89.8	
17 Dichlorofluoromethane	67	2.112	2.112	0.000	96	1755291	100.0	92.2	
18 Trichlorofluoromethane	101	2.118	2.112	0.006	79	1476949	100.0	89.3	
19 Ethyl ether	59	2.392	2.392	0.000	97	1186595	100.0	100.1	
20 Acrolein	56	2.574	2.568	0.006	98	1660656	500.0	510.2	
22 1,1-Dichloroethene	96	2.605	2.599	0.006	92	856932	100.0	94.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.599	2.605	-0.006	94	806871	100.0	90.2	
23 Acetone	43	2.727	2.727	0.000	97	2452192	500.0	493.4	
24 Iodomethane	142	2.763	2.763	0.000	99	1735426	100.0	96.4	
25 Carbon disulfide	76	2.800	2.794	0.006	98	2979830	100.0	94.7	
27 3-Chloro-1-propene	41	2.976	2.970	0.006	84	2569475	100.0	101.1	
28 Methyl acetate	43	3.019	3.025	-0.006	100	2583600	200.0	193.3	
30 Methylene Chloride	84	3.122	3.122	0.000	91	1035076	100.0	98.5	
31 2-Methyl-2-propanol	59	3.298	3.292	0.006	98	1260543	1000.0	1022.2	
32 Methyl tert-butyl ether	73	3.329	3.329	0.000	97	3039172	100.0	101.8	
33 trans-1,2-Dichloroethene	96	3.347	3.341	0.006	91	1047410	100.0	96.8	
34 Acrylonitrile	53	3.408	3.402	0.006	98	6455134	1000.0	1041.7	
35 Hexane	57	3.536	3.536	0.000	95	1685855	100.0	90.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.761	3.761	0.000	98	2195812	100.0	96.8	
39 Vinyl acetate	43	3.816	3.816	0.000	97	7853633	200.0	221.2	
42 2,2-Dichloropropane	77	4.278	4.278	0.000	86	1050053	100.0	91.2	
43 cis-1,2-Dichloroethene	96	4.320	4.314	0.006	87	1097153	100.0	98.0	
44 2-Butanone (MEK)	43	4.351	4.351	0.000	97	4041563	500.0	507.4	
47 Chlorobromomethane	128	4.552	4.552	0.000	88	582204	100.0	97.8	
49 Tetrahydrofuran	42	4.570	4.564	0.006	94	1076429	200.0	201.2	
50 Chloroform	83	4.631	4.631	0.000	95	1887951	100.0	98.4	
51 1,1,1-Trichloroethane	97	4.740	4.740	0.000	96	1628548	100.0	100.4	
52 Cyclohexane	56	4.746	4.740	0.006	97	2158496	100.0	94.9	
53 Carbon tetrachloride	117	4.874	4.874	0.000	94	1406388	100.0	101.8	
54 1,1-Dichloropropene	75	4.892	4.886	0.006	85	1311058	100.0	95.7	
55 Benzene	78	5.093	5.093	0.000	94	3984836	100.0	98.7	
56 Isobutyl alcohol	43	5.123	5.124	-0.001	93	1553187	2500.0	2644.8	
57 1,2-Dichloroethane	62	5.166	5.166	0.000	96	1876100	100.0	96.6	
59 n-Heptane	43	5.276	5.270	0.006	96	1877339	100.0	92.4	
60 Trichloroethene	95	5.708	5.701	0.007	94	1051895	100.0	98.3	
62 Methylcyclohexane	83	5.823	5.817	0.006	95	1629853	100.0	95.5	
63 1,2-Dichloropropane	63	5.945	5.951	-0.006	85	1162355	100.0	100.0	
64 Dibromomethane	93	6.085	6.085	0.000	95	670656	100.0	104.0	
66 1,4-Dioxane	88	6.091	6.091	0.000	35	107112	2000.0	1926.7	
67 Dichlorobromomethane	83	6.237	6.237	0.000	96	1436534	100.0	107.2	
69 2-Chloroethyl vinyl ether	63	6.523	6.517	0.006	90	798205	100.0	110.0	
71 cis-1,3-Dichloropropene	75	6.657	6.657	0.000	83	1629596	100.0	111.0	
72 4-Methyl-2-pentanone (MIBK	58	6.803	6.803	0.000	98	3082644	500.0	517.9	
73 Toluene	92	6.942	6.943	0.000	96	2489795	100.0	98.5	
75 trans-1,3-Dichloropropene	75	7.228	7.228	0.000	92	1560416	100.0	109.1	
77 Ethyl methacrylate	69	7.271	7.271	0.000	89	1339029	100.0	106.3	
78 1,1,2-Trichloroethane	83	7.417	7.417	0.000	95	745933	100.0	95.2	
79 Tetrachloroethene	166	7.472	7.472	0.000	95	1102662	100.0	94.4	
80 1,3-Dichloropropane	76	7.575	7.575	0.000	89	1499266	100.0	99.3	
82 2-Hexanone	43	7.642	7.642	0.000	98	6186242	500.0	533.3	
83 Chlorodibromomethane	129	7.812	7.812	0.000	89	1127401	100.0	114.3	
84 Ethylene Dibromide	107	7.916	7.916	0.000	97	1004117	100.0	104.7	
85 Chlorobenzene	112	8.390	8.390	0.000	91	2839649	100.0	97.0	
88 Ethylbenzene	91	8.482	8.482	0.000	98	4753843	100.0	99.7	
89 1,1,1,2-Tetrachloroethane	131	8.488	8.488	0.000	93	1127483	100.0	105.6	
90 m-Xylene & p-Xylene	106	8.603	8.609	-0.006	98	1864221	100.0	99.8	
91 o-Xylene	106	9.035	9.029	0.006	97	1873586	100.0	100.0	
92 Styrene	104	9.066	9.066	0.000	94	3160457	100.0	106.3	
93 Bromoform	173	9.315	9.315	0.000	96	779067	100.0	116.7	
95 Isopropylbenzene	105	9.418	9.419	-0.001	97	4868178	100.0	101.4	
97 Bromobenzene	156	9.765	9.765	0.000	89	1260692	100.0	100.4	
98 1,1,2,2-Tetrachloroethane	83	9.832	9.832	0.000	94	1305504	100.0	99.0	
100 N-Propylbenzene	91	9.850	9.850	0.000	99	5774312	100.0	102.1	
99 1,2,3-Trichloropropane	110	9.863	9.863	0.000	91	416042	100.0	98.6	
101 trans-1,4-Dichloro-2-buten	53	9.875	9.875	0.000	82	609523	100.0	131.6	
102 2-Chlorotoluene	126	9.954	9.954	0.000	95	1180796	100.0	100.3	
104 1,3,5-Trimethylbenzene	105	10.033	10.027	0.006	95	4159050	100.0	102.0	
105 4-Chlorotoluene	91	10.069	10.069	0.000	98	3635924	100.0	101.0	
106 tert-Butylbenzene	134	10.349	10.349	0.000	95	936778	100.0	97.9	
108 1,2,4-Trimethylbenzene	105	10.404	10.404	0.000	98	4273526	100.0	101.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.562	10.562	0.000	95	5272022	100.0	103.1	
110 1,3-Dichlorobenzene	146	10.696	10.696	0.000	96	2508805	100.0	103.4	
111 4-Isopropyltoluene	119	10.702	10.702	0.000	98	5018991	100.0	106.6	
113 1,4-Dichlorobenzene	146	10.787	10.781	0.006	94	2519604	100.0	98.2	
115 n-Butylbenzene	91	11.091	11.085	0.006	98	4085160	100.0	102.7	
116 1,2-Dichlorobenzene	146	11.140	11.140	0.000	97	2482915	100.0	98.9	
117 1,2-Dibromo-3-Chloropropan	75	11.876	11.870	0.006	79	255205	100.0	107.8	
119 1,2,4-Trichlorobenzene	180	12.545	12.545	0.000	94	1603253	100.0	97.8	
120 Hexachlorobutadiene	225	12.661	12.655	0.006	96	755869	100.0	94.3	
121 Naphthalene	128	12.764	12.764	0.000	97	4379508	100.0	106.4	
122 1,2,3-Trichlorobenzene	180	12.965	12.965	0.000	95	1479237	100.0	100.2	
S 126 Xylenes, Total	1				0			199.8	
S 123 1,3-Dichloropropene, Total	1				0			220.1	
S 125 Total BTEX	1				0			496.7	
S 124 1,2-Dichloroethene, Total	1				0			194.9	

Reagents:

8260 CORP mix_00177	Amount Added: 50.00	Units: uL	
GAS CORP mix_00379	Amount Added: 50.00	Units: uL	
N_8260_Surr_00392	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00182	Amount Added: 1.00	Units: uL	Run Reagent

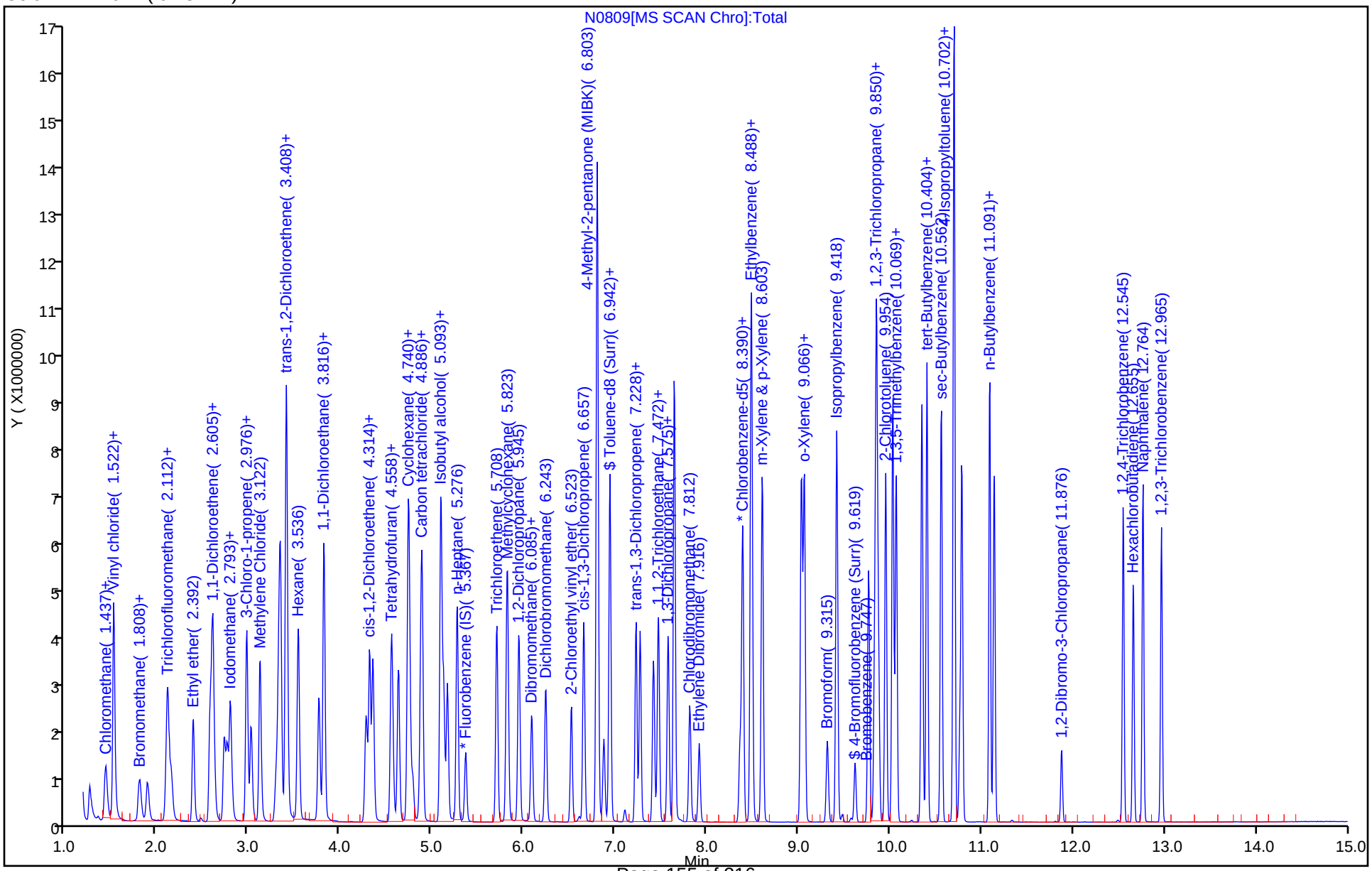
Report Date: 21-Jan-2020 11:50:01 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0809.D

Injection Date:	20-Jan-2020 20:49:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-514167/7	D2183.D
Level 2	IC 480-514167/8	D2184.D
Level 3	IC 480-514167/9	D2185.D
Level 4	IC 480-514167/10	D2186.D
Level 5	IC 480-514167/11	D2187.D
Level 6	ICIS 480-514167/12	D2188.D
Level 7	IC 480-514167/13	D2189.D
Level 8	IC 480-514167/14	D2190.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.9435	1.5759 1.7186	1.7852 1.5723	1.7898	1.7998	Ave		1.7407			0.1000	7.6		20.0			
Chloromethane	2.6100 2.1201	2.4265 1.9887	2.3218 1.9175	2.2119	2.1662	Ave		2.2203			0.1000	10.3		20.0			
Butadiene	2.1669 1.7309	1.7980 1.5595	1.8397 1.4336	1.7028	1.6601	Ave		1.7364				12.5		20.0			
Vinyl chloride	1.4854 1.9605	1.7944 1.8058	1.9197 1.7178	1.8678	1.8990	Ave		1.8063			0.1000	8.4		20.0			
Bromomethane	1.3734 1.3146	1.3893 1.1685	1.2803 1.2437	1.3576	1.2386	Ave		1.2958			0.1000	5.9		20.0			
Chloroethane	1.2551 1.0483	1.1642 0.9716	1.1044 0.9328	1.0549	1.0563	Ave		1.0735			0.1000	9.6		20.0			
Dichlorofluoromethane	2.3893 2.7281	2.5756 2.5591	2.7126 2.4656	2.9054	2.8123	Ave		2.6435				6.7		20.0			
Trichlorofluoromethane	+++++ 2.4495	2.0630 2.2039	2.3647 2.0042	2.2526	2.2836	Ave		2.2316			0.1000	7.1		20.0			
Ethyl ether	1.1254 1.1073	1.0855 1.0985	1.1127 1.0689	1.1513	1.1237	Ave		1.1092				2.3		20.0			
Acrolein	0.2756 0.2350	0.2384 0.2313	0.2352 0.2286	0.2423	0.2392	Ave		0.2407				6.1		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.9889 1.4013	1.2242 1.3767	1.3732 1.2325	1.5038	1.1301	Ave		1.2788			0.1000	13.1		20.0			
1,1-Dichloroethene	1.1186 1.2779	1.2498 1.2444	1.3028 1.1725	1.3993	1.1217	Ave		1.2359			0.1000	7.7		20.0			
Acetone	+++++ 0.4359	0.5280 0.4250	0.4986 0.4094	0.4746	0.4781	Ave		0.4642			0.1000	9.2		20.0			
Iodomethane	2.8109 3.0320	2.8580 2.9296	2.9781 2.8083	3.2271	2.8790	Ave		2.9403				4.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.1927 4.4307	4.2095 4.2688	4.4956 4.0121	4.5190	4.0612	Ave		4.2737			0.1000	4.5		20.0			
Allyl chloride	2.0490 2.2834	2.1160 2.1758	2.2919 1.9993	2.4025	2.1569	Ave		2.1843				6.2		20.0			
Methyl acetate	+++++ 0.9769	1.1686 0.9519	1.0594 0.9396	1.0533	1.0112	Ave		1.0230			0.1000	7.8		20.0			
Methylene Chloride	3.5500 1.5253	2.4835 1.4571	1.9688 1.3924	1.7403	1.5737	Lin1	0.9916	1.4197			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.1460 0.1588	0.1452 0.1569	0.1574 0.1530	0.1602	0.1669	Ave		0.1555				4.7		20.0			
Methyl tert-butyl ether	3.5243 3.7190	3.5906 3.6906	3.6303 3.5575	3.7380	3.8000	Ave		3.6563			0.1000	2.6		20.0			
trans-1,2-Dichloroethene	1.3220 1.4762	1.3829 1.4312	1.4683 1.3816	1.5800	1.3905	Ave		1.4291			0.1000	5.5		20.0			
Acrylonitrile	0.4722 0.4646	0.4497 0.4551	0.4681 0.4431	0.4904	0.4851	Ave		0.4660				3.5		20.0			
Hexane	1.7685 1.8880	1.7850 1.8406	1.8921 1.6457	2.0724	1.5437	Ave		1.8045				9.0		20.0			
1,1-Dichloroethane	2.4836 2.6388	2.6558 2.5736	2.7090 2.4733	2.7609	2.5415	Ave		2.6046			0.2000	4.0		20.0			
Vinyl acetate	2.3158 2.9184	2.5199 2.9332	2.4294 2.8936	2.6999	2.8373	Ave		2.6935				9.0		20.0			
2,2-Dichloropropane	1.4379 1.5478	1.4882 1.4963	1.5553 1.3685	1.5120	1.4205	Ave		1.4783				4.4		20.0			
cis-1,2-Dichloroethene	1.5162 1.6266	1.6134 1.6077	1.6553 1.5445	1.7197	1.5904	Ave		1.6092			0.1000	3.9		20.0			
2-Butanone (MEK)	0.7988 0.6206	0.7030 0.6090	0.6794 0.5953	0.6766	0.6541	Ave		0.6671			0.1000	9.8		20.0			
Chlorobromomethane	0.8297 0.9455	0.9405 0.9301	0.9353 0.9069	0.9910	0.9480	Ave		0.9284				5.0		20.0			
Tetrahydrofuran	1.1932 0.4059	0.7226 0.3921	0.5526 0.3773	0.4715	0.4463	Lin1	0.6896	0.3818							0.9990		0.9900
Chloroform	3.1410 2.7029	2.8150 2.6521	2.8508 2.5504	2.9091	2.6735	Ave		2.7869			0.2000	6.6		20.0			
1,1,1-Trichloroethane	2.0498 2.3676	2.1434 2.3043	2.3490 2.1765	2.5139	2.1554	Ave		2.2575			0.1000	6.7		20.0			
Cyclohexane	2.0216 2.2961	2.0640 2.2380	2.2754 2.0093	2.4481	1.8477	Ave		2.1500			0.1000	9.1		20.0			
Carbon tetrachloride	1.9331 2.2763	2.1302 2.2393	2.2329 2.1271	2.3718	1.9938	Ave		2.1631			0.1000	6.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.7937 1.9475	1.9143 1.8952	1.9492 1.8048	2.0596	1.7581	Ave		1.8903				5.3		20.0			
Isobutyl alcohol	0.0720 0.0639	0.0668 0.0635	0.0662 0.0612	0.0660	0.0686	Ave		0.0660				5.0		20.0			
Benzene	5.2814 5.2942	5.1457 5.1820	5.3996 4.9811	5.5556	5.1034	Ave		5.2429			0.5000	3.4		20.0			
1,2-Dichloroethane	2.4259 2.1538	2.3006 2.1382	2.2647 2.0280	2.3019	2.1952	Ave		2.2261			0.1000	5.5		20.0			
n-Heptane	1.9673 1.8541	1.9619 1.8550	1.9601 1.6617	2.0458	1.5942	Ave		1.8625				8.5		20.0			
Trichloroethene	1.4699 1.5871	1.5237 1.5664	1.6078 1.4921	1.6629	1.4953	Ave		1.5506			0.2000	4.3		20.0			
Methylcyclohexane	1.5688 2.1837	1.8725 2.1590	2.1468 1.9340	2.3489	1.7976	Ave		2.0014			0.1000	12.7		20.0			
1,2-Dichloropropane	1.3911 1.4098	1.4003 1.4135	1.3890 1.3439	1.4615	1.4060	Ave		1.4019			0.1000	2.3		20.0			
1,4-Dioxane	+++++ 0.0052	0.0039 0.0056	0.0054 0.0055	0.0058	0.0061	Ave		0.0054				13.3		20.0			
Dibromomethane	0.9455 1.0245	1.0015 1.0077	1.0029 0.9660	1.0554	1.0218	Ave		1.0032			0.1000	3.4		20.0			
Bromodichloromethane	1.9677 2.0873	2.0256 2.0722	2.0405 2.0056	2.1372	2.0310	Ave		2.0459			0.2000	2.6		20.0			
2-Chloroethyl vinyl ether	0.6275 0.7254	0.6973 0.6561	0.6363 0.6923	0.7178	0.6993	Ave		0.6815				5.4		20.0			
cis-1,3-Dichloropropene	2.0557 2.3072	2.1493 2.3164	2.2246 2.2253	2.3324	2.2586	Ave		2.2337			0.2000	4.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.6512 0.6112	0.6296 0.5793	0.6503 0.5662	0.6751	0.6776	Ave		0.6301			0.1000	6.6		20.0			
Toluene	1.5129 1.5645	1.5254 1.5704	1.5912 1.5152	1.6673	1.5205	Ave		1.5584			0.4000	3.4		20.0			
trans-1,3-Dichloropropene	0.8573 0.9825	0.9146 0.9980	0.9121 0.9762	0.9749	0.9793	Ave		0.9494			0.1000	5.2		20.0			
Ethyl methacrylate	0.6999 0.7040	0.7109 0.6824	0.7422 0.6801	0.7687	0.7615	Ave		0.7187				4.8		20.0			
1,1,2-Trichloroethane	0.4728 0.4790	0.4463 0.4740	0.4727 0.4613	0.5066	0.4868	Ave		0.4750			0.1000	3.7		20.0			
Tetrachloroethene	0.6570 0.7834	0.7458 0.7857	0.7845 0.7494	0.8395	0.7331	Ave		0.7598			0.2000	7.0		20.0			
1,3-Dichloropropane	0.8712 0.8913	0.8828 0.8887	0.9058 0.8653	0.9559	0.9090	Ave		0.8962				3.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.4561 0.4459	0.4459 0.4120	0.4707 0.3991	0.4880	0.4923	Ave		0.4513			0.1000	7.4		20.0			
Dibromochloromethane	0.7690 0.8319	0.7500 0.8458	0.7994 0.8346	0.8492	0.8352	Ave		0.8144			0.1000	4.6		20.0			
1,2-Dibromoethane	0.6288 0.6644	0.6314 0.6620	0.6563 0.6495	0.6970	0.6871	Ave		0.6596				3.6		20.0			
Chlorobenzene	1.8371 1.9136	1.8677 1.9116	1.9343 1.8463	2.0487	1.9002	Ave		1.9075			0.5000	3.5		20.0			
Ethylbenzene	2.8653 2.9738	2.9505 2.9081	3.0161 2.8522	3.1369	2.8636	Ave		2.9458			0.1000	3.3		20.0			
1,1,1,2-Tetrachloroethane	0.6465 0.7699	0.6857 0.7697	0.7636 0.7486	0.7848	0.7628	Ave		0.7414				6.6		20.0			
m,p-Xylene	1.1010 1.1949	1.1584 1.1750	1.2397 1.1543	1.2559	1.1664	Ave		1.1807			0.1000	4.2		20.0			
o-Xylene	1.0865 1.1838	1.1717 1.1672	1.2023 1.1505	1.2496	1.1582	Ave		1.1712			0.3000	4.0		20.0			
Styrene	1.8509 1.9762	1.8180 1.9495	1.9712 1.9532	2.0673	1.9571	Ave		1.9429			0.3000	4.0		20.0			
Bromoform	0.4814 0.5405	0.4717 0.5441	0.5028 0.5523	0.5274	0.5379	Ave		0.5198			0.1000	5.9		20.0			
Isopropylbenzene	2.4006 2.7739	2.5686 2.7646	2.7010 2.6479	2.8535	2.5777	Ave		2.6610			0.1000	5.4		20.0			
Bromobenzene	0.7744 0.8274	0.7593 0.8206	0.7945 0.8084	0.8357	0.8137	Ave		0.8043				3.3		20.0			
1,1,2,2-Tetrachloroethane	0.6703 0.6962	0.6713 0.6814	0.6628 0.6658	0.7098	0.7109	Ave		0.6836			0.3000	2.9		20.0			
N-Propylbenzene	2.9534 3.2630	3.1163 3.1822	3.3140 3.0966	3.3811	3.0534	Ave		3.1700				4.5		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2145	0.1676 0.2133	0.1852 0.2139	0.2079	0.2139	Ave		0.2023				9.2		20.0			
1,2,3-Trichloropropane	0.1420 0.1999	0.1913 0.1913	0.1984 0.1891	0.2071	0.2086	Ave		0.1910				11.0		20.0			
2-Chlorotoluene	0.6691 0.7258	0.6800 0.7240	0.7318 0.7058	0.7476	0.7028	Ave		0.7109				3.7		20.0			
1,3,5-Trimethylbenzene	2.0996 2.4356	2.2536 2.4034	2.3752 2.3245	2.4904	2.3141	Ave		2.3370				5.2		20.0			
4-Chlorotoluene	0.6653 0.7633	0.7385 0.7529	0.7702 0.7324	0.7849	0.7339	Ave		0.7427				4.9		20.0			
tert-Butylbenzene	0.4092 0.5080	0.4327 0.5068	0.4952 0.4908	0.5157	0.4809	Ave		0.4799				8.0		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.1795 2.4769	2.2535 2.4430	2.4479 2.3780	2.5568	2.3986	Ave		2.3918				5.1		20.0			
sec-Butylbenzene	2.5843 3.1099	2.7658 3.0921	3.1061 2.9440	3.1927	2.8631	Ave		2.9572				7.0		20.0			
4-Isopropyltoluene	2.2409 2.7717	2.4147 2.7265	2.6483 2.6189	2.8598	2.5954	Ave		2.6095				7.6		20.0			
1,3-Dichlorobenzene	1.4378 1.5361	1.4264 1.5034	1.5168 1.4647	1.5655	1.5120	Ave		1.4953			0.6000	3.2		20.0			
1,4-Dichlorobenzene	1.4764 1.5533	1.5495 1.5181	1.5616 1.4853	1.6106	1.5355	Ave		1.5363			0.5000	2.8		20.0			
n-Butylbenzene	2.0062 2.4829	2.2157 2.4193	2.4324 2.3160	2.5234	2.3263	Ave		2.3403				7.2		20.0			
1,2-Dichlorobenzene	1.3780 1.5318	1.4279 1.5040	1.5229 1.4594	1.5792	1.5442	Ave		1.4934			0.4000	4.5		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1403	0.1176 0.1431	0.1217 0.1390	0.1396	0.1435	Ave		0.1350			0.0500	7.9		20.0			
1,2,4-Trichlorobenzene	1.0702 1.2251	1.0428 1.2162	1.1265 1.1597	1.1859	1.1915	Ave		1.1522			0.2000	5.8		20.0			
Hexachlorobutadiene	0.4358 0.5751	0.4997 0.5818	0.5622 0.5480	0.5771	0.5338	Ave		0.5392				9.3		20.0			
Naphthalene	2.4073 2.6989	2.3033 2.7334	2.4772 2.6227	2.6194	2.7078	Ave		2.5712				6.1		20.0			
1,2,3-Trichlorobenzene	0.9636 1.1606	0.9887 1.1670	1.0722 1.0995	1.1387	1.1483	Ave		1.0923				7.2		20.0			
Dibromofluoromethane (Surr)	1.6403 1.6400	1.6158 1.6115	1.6051 1.5871	1.6371	1.6441	Ave		1.6226				1.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8739 0.8588	0.8626 0.8376	0.8535 0.8333	0.8661	0.8577	Ave		0.8555				1.6		20.0			
Toluene-d8 (Surr)	2.3270 2.3319	2.3346 2.3482	2.3076 2.3320	2.3433	2.3499	Ave		2.3343				0.6		20.0			
4-Bromofluorobenzene (Surr)	0.8483 0.8391	0.8498 0.8180	0.8485 0.8445	0.8411	0.8440	Ave		0.8417				1.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-514167/7	D2183.D
Level 2	IC 480-514167/8	D2184.D
Level 3	IC 480-514167/9	D2185.D
Level 4	IC 480-514167/10	D2186.D
Level 5	IC 480-514167/11	D2187.D
Level 6	ICIS 480-514167/12	D2188.D
Level 7	IC 480-514167/13	D2189.D
Level 8	IC 480-514167/14	D2190.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 289133	9325 529349	21503 975336	52475	107175	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	6197 315404	14358 612518	27966 1189448	64850	128994	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	5145 257499	10639 480324	22159 889301	49924	98855	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	3527 291651	10618 556197	23123 1065567	54761	113081	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3261 195568	8221 359895	15421 771487	39804	73758	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2980 155948	6889 299262	13303 578649	30927	62902	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	5673 405852	15240 788229	32673 1529473	85181	167469	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 364408	12207 678816	28483 1243231	66042	135988	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	2672 164732	6423 338350	13403 663067	33755	66917	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3272 174830	7054 356141	14164 709122	35520	71220	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2348 208461	7244 424036	16540 764566	44090	67295	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	2656 190107	7395 383273	15692 727346	41024	66797	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++ 324255	15622 654519	30031 1269809	69574	142361	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	6674 451054	16911 902330	35871 1742026	94614	171441	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	9955 659143	24908 1314824	54150 2488813	132489	241841	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	4865 339689	12521 670148	27606 1240243	70438	128439	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	+++++ 290658	13829 586373	25522 1165686	61765	120431	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	8429 226917	14695 448796	23715 863751	51022	93711	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	3466 236187	8590 483398	18955 948823	46976	99403	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	8368 553257	21246 1136722	43727 2206798	109592	226284	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3139 219606	8183 440819	17686 857070	46323	82802	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	11212 691184	26610 1401655	56383 2748808	143788	288855	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	4199 280877	10562 566912	22791 1020898	60760	91925	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5897 392566	15715 792691	32630 1534228	80944	151341	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	10997 868325	29821 1806916	58526 3589976	158314	337920	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3414 230254	8806 460874	18734 848902	44329	84589	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3600 241979	9547 495171	19938 958080	50420	94709	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	9483 461620	20799 937853	40918 1846264	99191	194751	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1970 140654	5565 286490	11266 562556	29055	56453	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Lin1	5666 120782	8552 241538	13312 468053	27650	53153	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	7458 402102	16657 816852	34338 1582073	85291	159204	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	4867 352213	12683 709727	28294 1350130	73703	128350	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	4800 341577	12213 689321	27407 1246391	71774	110031	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4590 338643	12605 689712	26895 1319463	69538	118728	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	4259 289718	11327 583732	23478 1119531	60383	104693	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	4271 237733	9884 488998	19942 948717	48349	102072	10.0 625	25.0 1250	50.0 2500	125	250

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	12540 787595	30448 1596094	65039 3089886	162881	303899	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	5760 320418	13613 658588	27279 1258030	67489	130721	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	4671 275825	11609 571364	23610 1030775	59981	94933	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3490 236107	9016 482450	19366 925595	48754	89043	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	3725 324865	11080 664989	25859 1199699	68866	107045	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3303 209735	8286 435378	16731 833648	42849	83724	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 33890	1020 74301	2822 145366	7275	15753	+++++ 500	20.0 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	2245 152416	5926 310375	12080 599225	30942	60847	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	4672 310521	11986 638244	24578 1244110	62658	120944	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	1490 107910	4126 202096	7664 429429	21045	41644	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	4881 343228	12718 713451	26795 1380399	68383	134494	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	17072 987577	41330 1912796	84559 3742026	212718	435385	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	7933 505545	20027 1037003	41384 2002824	105069	195400	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	4495 317504	12008 659052	23723 1290419	61436	125854	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	3670 227498	9333 450629	19304 898932	48439	97867	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	2479 154777	5860 313007	12295 609816	31925	62566	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	3445 253146	9792 518855	20402 990622	52903	94207	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	4568 288003	11590 586877	23558 1143833	60238	116815	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	11959 720441	29273 1360175	61215 2637762	153748	316313	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	4032 268813	9846 558527	20790 1103230	53512	107336	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	3297 214687	8290 437166	17070 858553	43920	88305	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	9633 618373	24521 1262330	50307 2440552	129102	244204	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	15024 960958	38737 1920352	78443 3770141	197674	368011	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3390 248777	9002 508287	19859 989494	49456	98032	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	5773 386133	15209 775887	32243 1525793	79144	149894	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	5697 382544	15383 770742	31270 1520709	78743	148848	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	9705 638595	23868 1287315	51266 2581868	130275	251509	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	2524 174668	6193 359295	13077 729987	33237	69123	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	14322 993935	38446 1994068	80991 3874238	205494	376628	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	4620 296471	11365 591914	23825 1182729	60185	118887	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	3999 249457	10048 491520	19875 974091	51118	103877	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	17620 1169205	46644 2295315	99374 4530631	243485	446135	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 76873	2509 153838	5554 312932	14973	31260	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	847 71632	2863 137977	5949 276626	14917	30473	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	3992 260080	10178 522249	21944 1032625	53836	102687	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	12526 872737	33731 1733527	71224 3400956	179346	338111	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	3969 273494	11054 543081	23094 1071594	56525	107237	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	2441 182030	6477 365581	14850 718054	37137	70260	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	13003 887524	33730 1762125	73403 3479341	184128	350461	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	15418 1114322	41397 2230345	93139 4307417	229917	418330	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	13369 993139	36142 1966608	79412 3831785	205950	379212	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	8578 550412	21349 1084370	45483 2143073	112735	220920	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	8808 556573	23192 1094974	46826 2173108	115983	224354	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	11969 889673	33163 1745033	72939 3388564	181722	339893	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	8221 548854	21372 1084814	45665 2135251	113724	225625	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 50261	1760 103244	3649 203368	10051	20965	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	6385 438975	15608 877248	33780 1696714	85400	174098	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	2600 206067	7480 419673	16859 801817	41558	77997	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	14362 967066	34474 1971572	74280 3837363	188634	395646	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	5749 415868	14799 841737	32151 1608745	82001	167784	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	243424 243975	239018 248172	241675 246129	239991	244767	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	129690 127766	127610 128989	128502 129235	126969	127684	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	762605 753539	766254 775299	750200 770625	738324	754979	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	277996 271152	278937 270095	275859 279083	265011	271167	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Jan-2020 14:46:30 ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0087606-007
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:05:47 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:29:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	148398	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	327717	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.811	0.006	97	372876	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.013	5.007	0.006	93	243424	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.275	5.275	0.000	99	129690	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	762605	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	277996	25.0	25.2	
10 Dichlorodifluoromethane	85	1.490	1.496	-0.006	90	2959	0.4000	0.2864	
12 Chloromethane	50	1.715	1.715	0.000	92	6197	0.4000	0.4702	
144 Butadiene	54	1.825	1.831	-0.006	87	5145	0.4000	0.4992	
13 Vinyl chloride	62	1.831	1.837	-0.006	80	3527	0.4000	0.3289	
14 Bromomethane	94	2.191	2.197	-0.006	78	3261	0.4000	0.4240	
15 Chloroethane	64	2.276	2.276	0.000	83	2980	0.4000	0.4677	
16 Dichlorofluoromethane	67	2.532	2.526	0.006	92	5673	0.4000	0.3615	
17 Trichlorofluoromethane	101	2.532	2.532	0.000	80	4499	0.4000	0.3396	
18 Ethyl ether	59	2.800	2.800	0.000	93	2672	0.4000	0.4058	
20 Acrolein	56	2.995	2.995	0.000	97	3272	2.00	2.29	Ma
21 1,1,2-Trichloro-1,2,2-trif	101	3.032	3.032	0.000	87	2348	0.4000	0.3093	
22 1,1-Dichloroethene	96	3.050	3.044	0.006	94	2656	0.4000	0.3621	
23 Acetone	43	3.154	3.148	0.006	98	7885	2.00	2.86	
25 Iodomethane	142	3.227	3.221	0.006	94	6674	0.4000	0.3824	
26 Carbon disulfide	76	3.264	3.257	0.007	99	9955	0.4000	0.3924	
28 3-Chloro-1-propene	41	3.386	3.385	0.001	85	4865	0.4000	0.3752	
27 Methyl acetate	43	3.434	3.428	0.006	99	7140	0.8000	1.18	
30 Methylene Chloride	84	3.562	3.532	0.030	95	8429	0.4000	0.3018	
31 2-Methyl-2-propanol	59	3.690	3.684	0.006	94	3466	4.00	3.75	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	97	8368	0.4000	0.3856	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	94	3139	0.4000	0.3700	
33 Acrylonitrile	53	3.800	3.794	0.006	93	11212	4.00	4.05	a
35 Hexane	57	3.904	3.904	0.000	89	4199	0.4000	0.3920	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	92	5897	0.4000	0.3814	
37 Vinyl acetate	43	4.160	4.154	0.006	98	10997	0.8000	0.6878	
44 2,2-Dichloropropane	77	4.580	4.580	0.000	0	3414	0.4000	0.3891	M
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	78	3600	0.4000	0.3769	
43 2-Butanone (MEK)	43	4.641	4.635	0.006	97	9483	2.00	2.39	
48 Chlorobromomethane	128	4.818	4.818	0.000	94	1970	0.4000	0.3575	
49 Tetrahydrofuran	42	4.843	4.836	0.007	87	5666	0.8000	0.6937	
50 Chloroform	83	4.879	4.873	0.006	95	7458	0.4000	0.4508	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	89	4867	0.4000	0.3632	
52 Cyclohexane	56	4.983	4.983	0.000	90	4800	0.4000	0.3761	
55 Carbon tetrachloride	117	5.099	5.092	0.007	92	4590	0.4000	0.3575	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	89	4259	0.4000	0.3796	
53 Isobutyl alcohol	43	5.269	5.263	0.006	0	4271	10.0	10.9	M
57 Benzene	78	5.282	5.281	0.001	89	12540	0.4000	0.4029	
58 1,2-Dichloroethane	62	5.336	5.336	0.000	93	5760	0.4000	0.4359	
59 n-Heptane	43	5.391	5.391	0.000	90	4671	0.4000	0.4225	
62 Trichloroethene	95	5.775	5.775	0.000	92	3490	0.4000	0.3792	
64 Methylcyclohexane	83	5.873	5.873	0.000	94	3725	0.4000	0.3135	a
65 1,2-Dichloropropane	63	5.976	5.976	0.000	88	3303	0.4000	0.3969	
66 1,4-Dioxane	88		6.086				ND	ND	
67 Dibromomethane	93	6.092	6.092	0.000	94	2245	0.4000	0.3770	
68 Dichlorobromomethane	83	6.208	6.208	0.000	93	4672	0.4000	0.3847	a
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	80	1490	0.4000	0.3683	a
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	91	4881	0.4000	0.3681	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	97	17072	2.00	2.07	
74 Toluene	92	6.763	6.763	0.000	98	7933	0.4000	0.3883	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	90	4495	0.4000	0.3612	
75 Ethyl methacrylate	69	6.982	6.982	0.000	84	3670	0.4000	0.3895	
79 1,1,2-Trichloroethane	83	7.135	7.129	0.006	87	2479	0.4000	0.3982	
81 Tetrachloroethene	166	7.190	7.190	0.000	91	3445	0.4000	0.3459	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	84	4568	0.4000	0.3888	
80 2-Hexanone	43	7.287	7.287	0.000	96	11959	2.00	2.02	
83 Chlorodibromomethane	129	7.458	7.458	0.000	85	4032	0.4000	0.3777	
84 Ethylene Dibromide	107	7.549	7.549	0.000	98	3297	0.4000	0.3813	
87 Chlorobenzene	112	7.909	7.909	0.000	97	9633	0.4000	0.3853	a
88 Ethylbenzene	91	7.958	7.958	0.000	98	15024	0.4000	0.3891	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	92	3390	0.4000	0.3488	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	97	5773	0.4000	0.3730	
91 o-Xylene	106	8.385	8.385	0.000	97	5697	0.4000	0.3711	
92 Styrene	104	8.409	8.409	0.000	94	9705	0.4000	0.3811	
95 Bromoform	173	8.628	8.628	0.000	91	2524	0.4000	0.3704	
94 Isopropylbenzene	105	8.671	8.671	0.000	95	14322	0.4000	0.3609	
101 Bromobenzene	156	8.982	8.982	0.000	93	4620	0.4000	0.3851	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	88	3999	0.4000	0.3922	
99 N-Propylbenzene	91	9.012	9.012	0.000	99	17620	0.4000	0.3727	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	0	627	0.4000	0.2078	M
100 1,2,3-Trichloropropane	110	9.037	9.031	0.006	85	847	0.4000	0.2974	
103 2-Chlorotoluene	126	9.122	9.122	0.000	95	3992	0.4000	0.3765	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	93	12526	0.4000	0.3594	
105 4-Chlorotoluene	126	9.214	9.214	0.000	96	3969	0.4000	0.3583	
106 tert-Butylbenzene	134	9.427	9.427	0.000	92	2441	0.4000	0.3410	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	95	13003	0.4000	0.3645	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	15418	0.4000	0.3496	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	95	13369	0.4000	0.3435	
111 1,3-Dichlorobenzene	146	9.762	9.756	0.006	96	8578	0.4000	0.3846	
113 1,4-Dichlorobenzene	146	9.835	9.835	0.000	95	8808	0.4000	0.3844	a
115 n-Butylbenzene	91	10.079	10.079	0.000	97	11969	0.4000	0.3429	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	94	8221	0.4000	0.3691	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	1	521	0.4000	0.2588	
119 1,2,4-Trichlorobenzene	180	11.488	11.488	0.000	92	6385	0.4000	0.3715	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	89	2600	0.4000	0.3233	
121 Naphthalene	128	11.701	11.701	0.000	97	14362	0.4000	0.3745	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	94	5749	0.4000	0.3529	a
S 126 1,3-Dichloropropene, Total	1				0			0.7293	
S 125 1,2-Dichloroethene, Total	1				0			0.7469	
S 124 Xylenes, Total	1				0			0.7441	
S 123 Total BTEX	1				0			1.92	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00177	Amount Added:	0.40	Units: uL	
GAS CORP mix_00379	Amount Added:	0.40	Units: uL	
D 8260 IS/SUR_00008	Amount Added:	1.00	Units: uL	Run Reagent

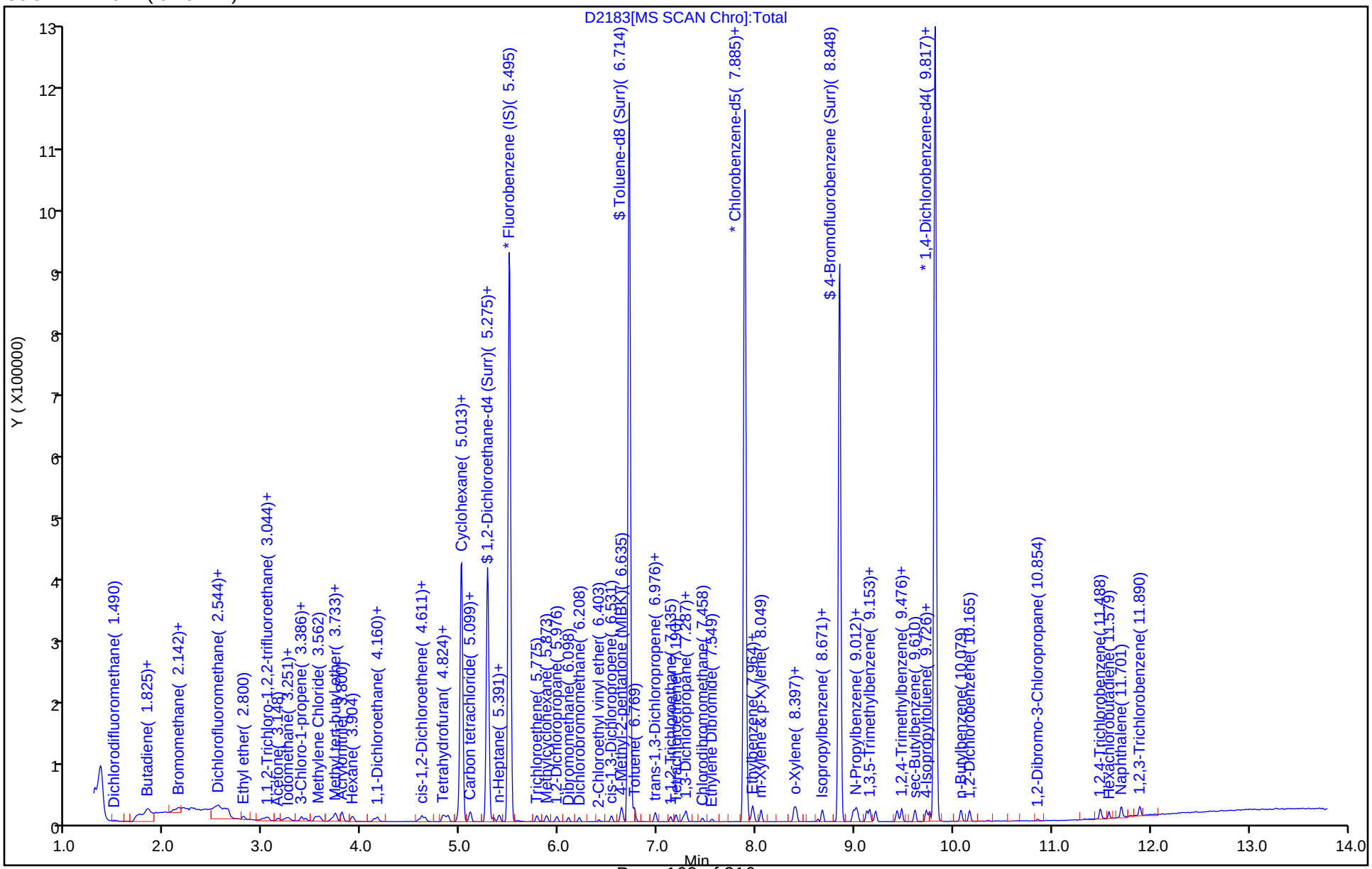
Report Date: 27-Jan-2020 11:05:52 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D

Injection Date:	20-Jan-2020 14:46:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 0.4			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

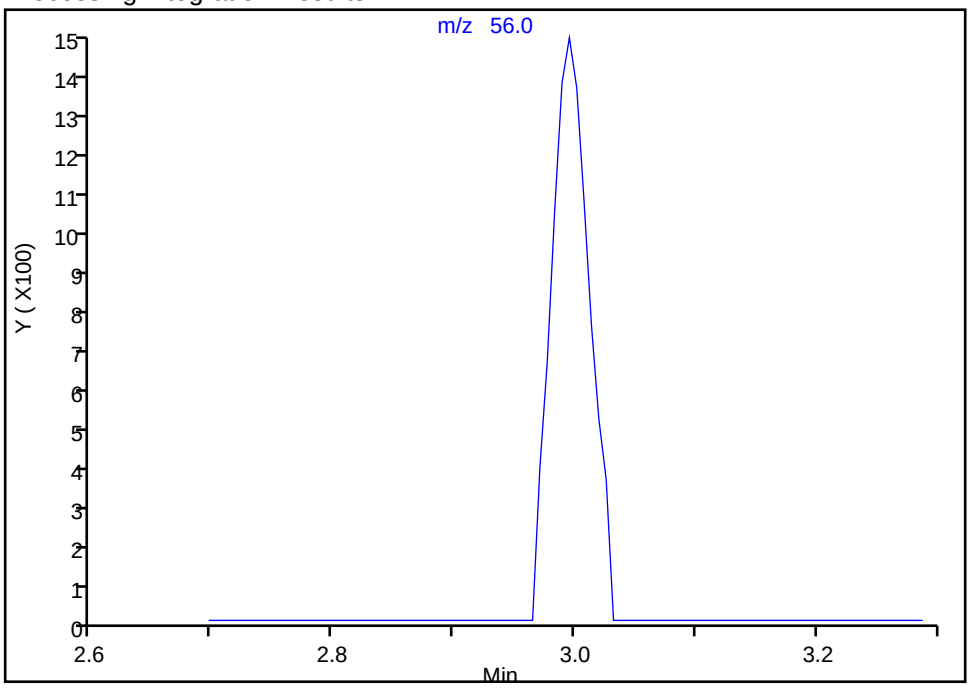
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

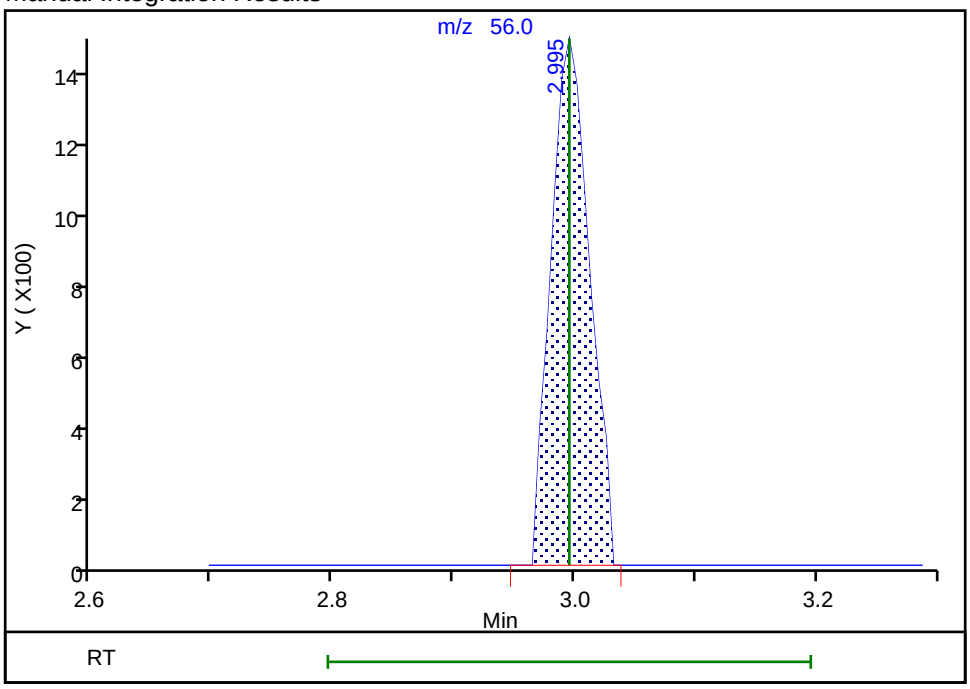
Not Detected
Expected RT: 3.00

Processing Integration Results



Manual Integration Results

RT: 3.00
Area: 3272
Amount: 2.290016
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:28:31
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

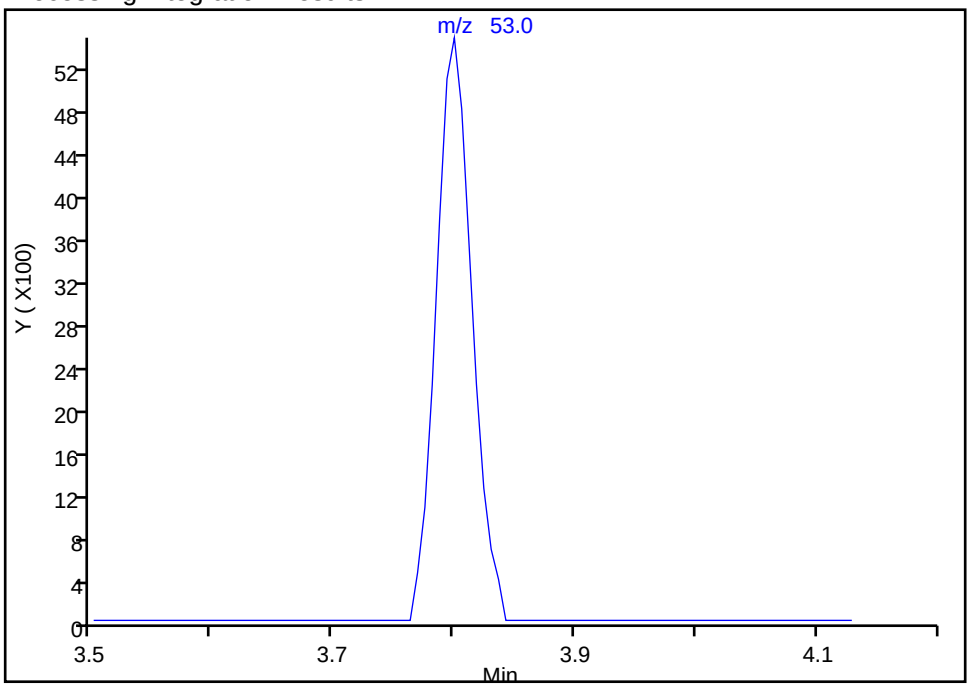
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

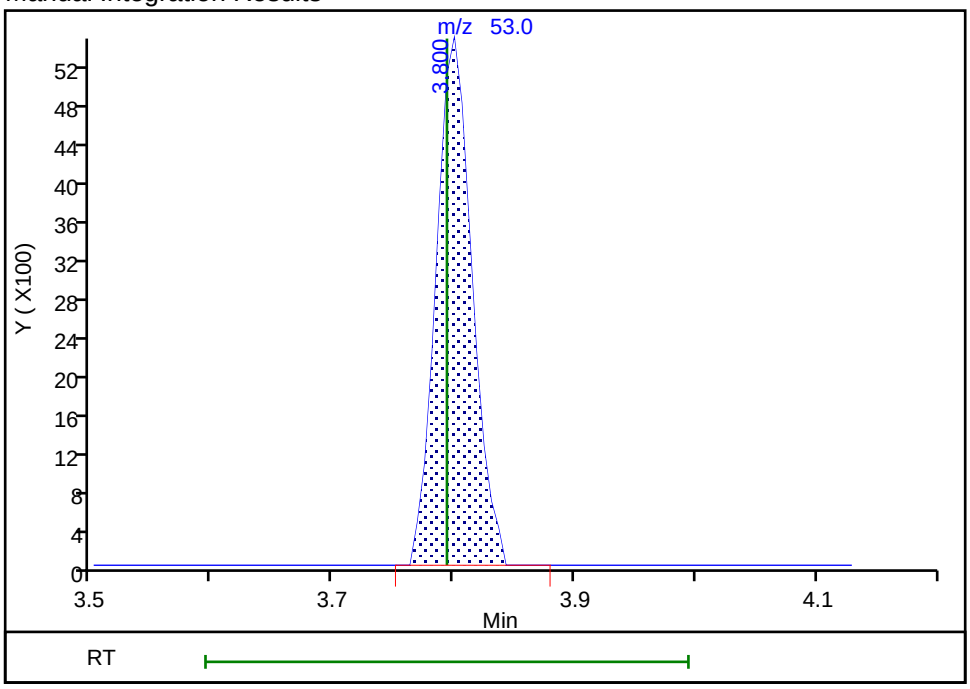
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 11212
Amount: 4.052938
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:28:37
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

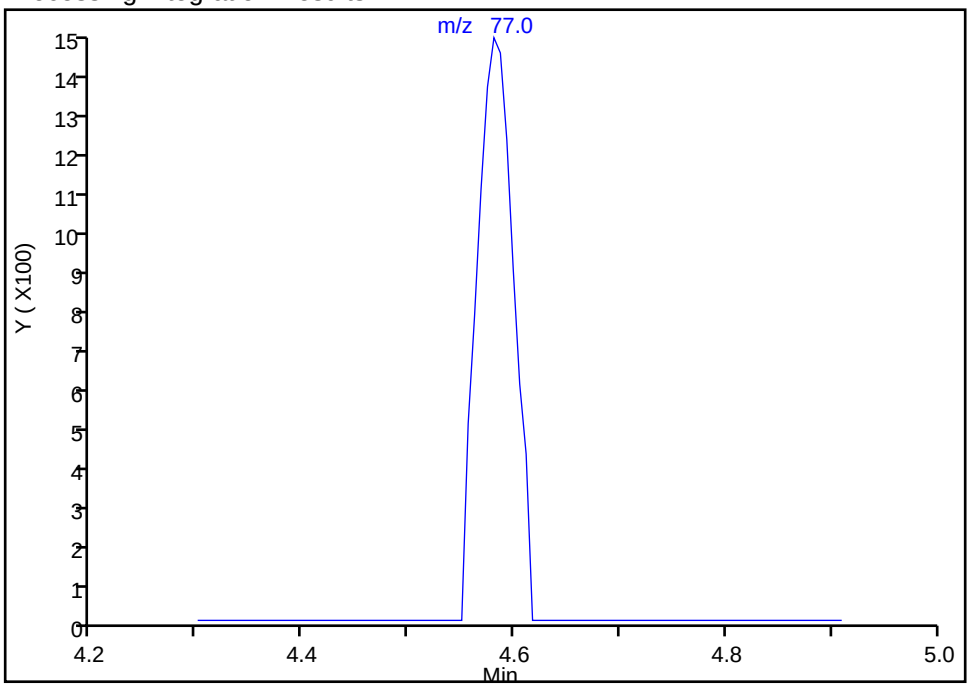
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

44 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

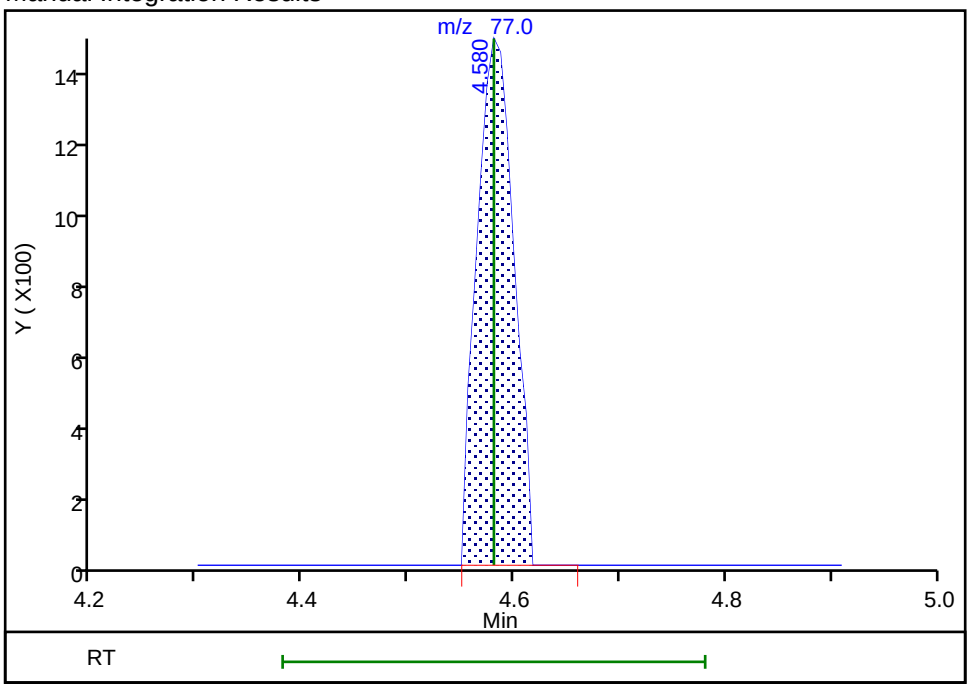
Not Detected
Expected RT: 4.58

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 3414
Amount: 0.389056
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:28:46
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

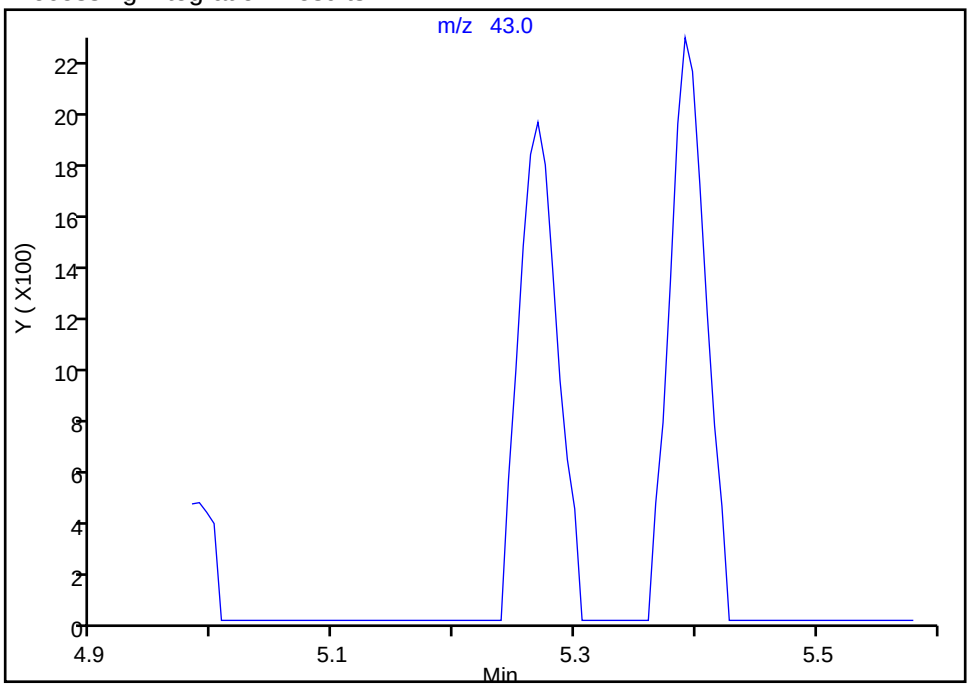
Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D				
Injection Date:	20-Jan-2020 14:46:30	Instrument ID:	HP5975D		
Lims ID:	IC 0.4				
Client ID:					
Operator ID:	LH	ALS Bottle#:	4	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

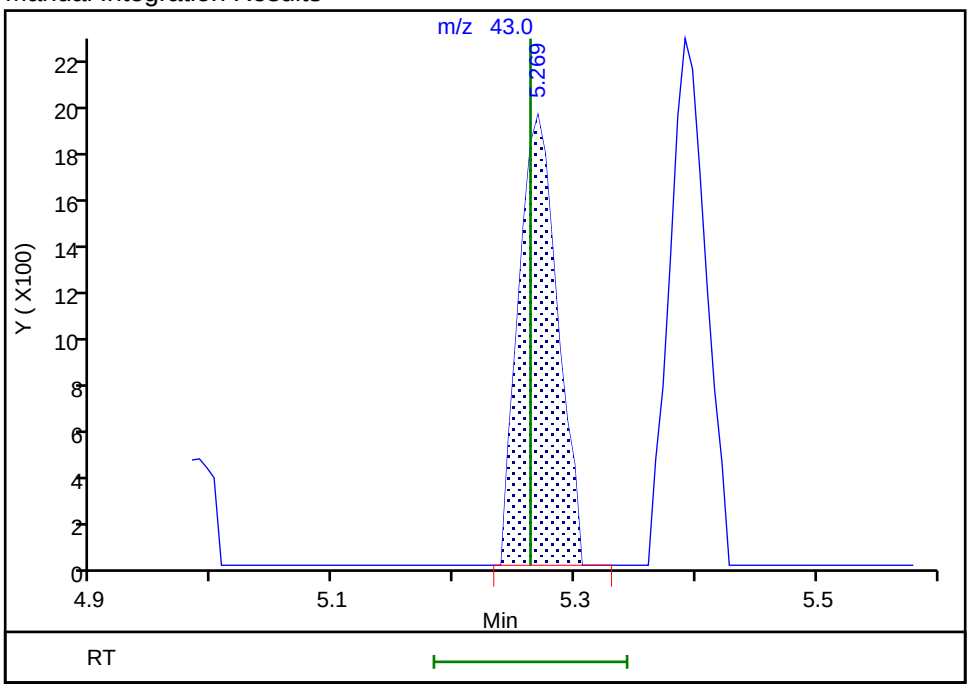
Not Detected
Expected RT: 5.26

Processing Integration Results



Manual Integration Results

RT: 5.27
Area: 4271
Amount: 10.899277
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:28:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

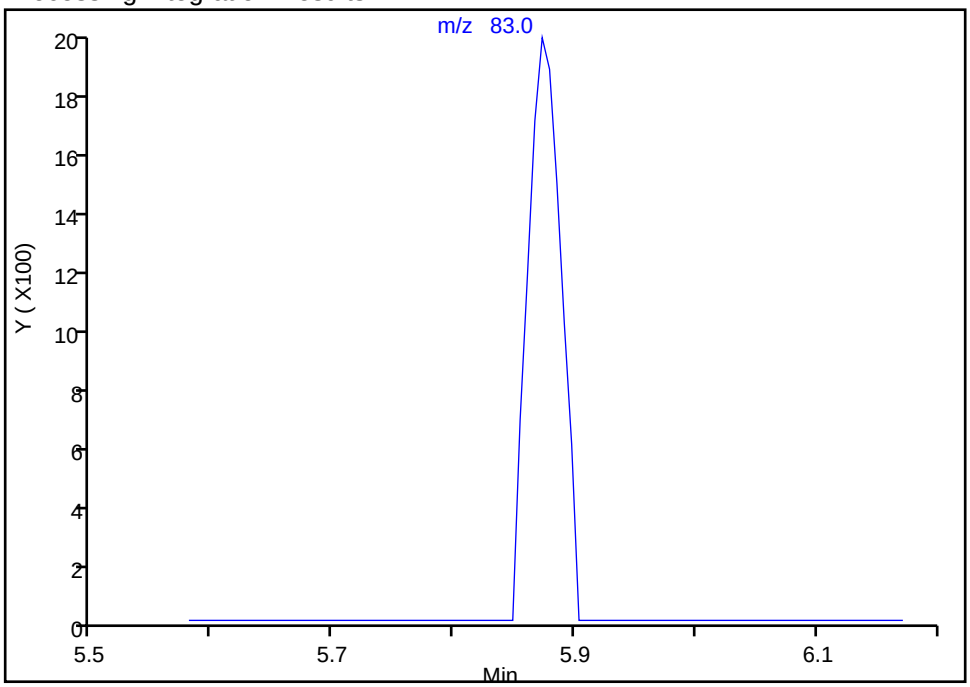
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

64 Methylcyclohexane, CAS: 108-87-2

Signal: 1

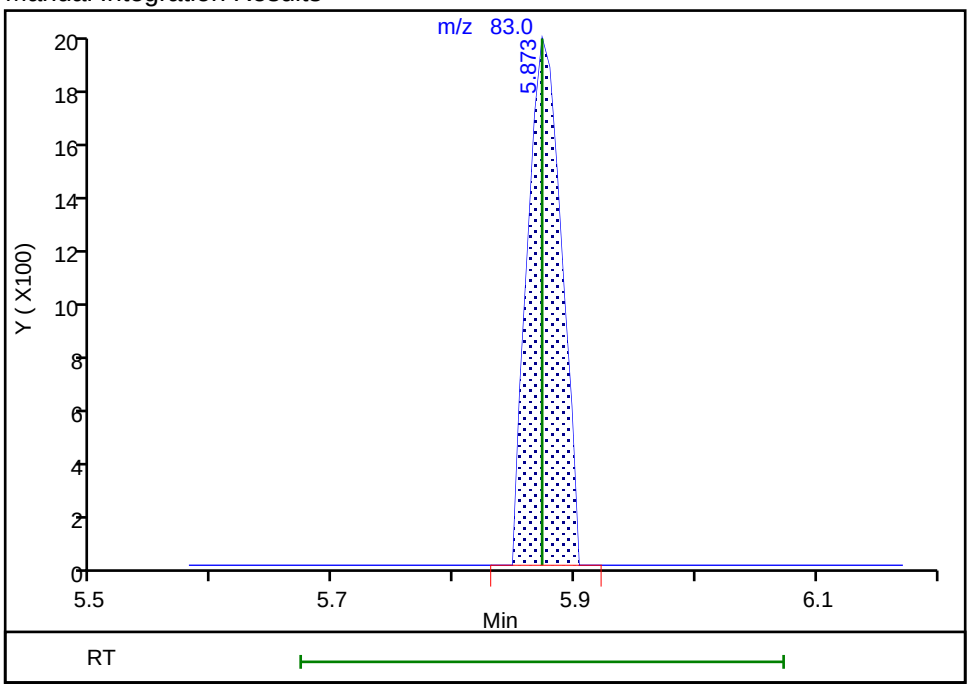
Not Detected
Expected RT: 5.87

Processing Integration Results



Manual Integration Results

RT: 5.87
Area: 3725
Amount: 0.313544
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:02
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

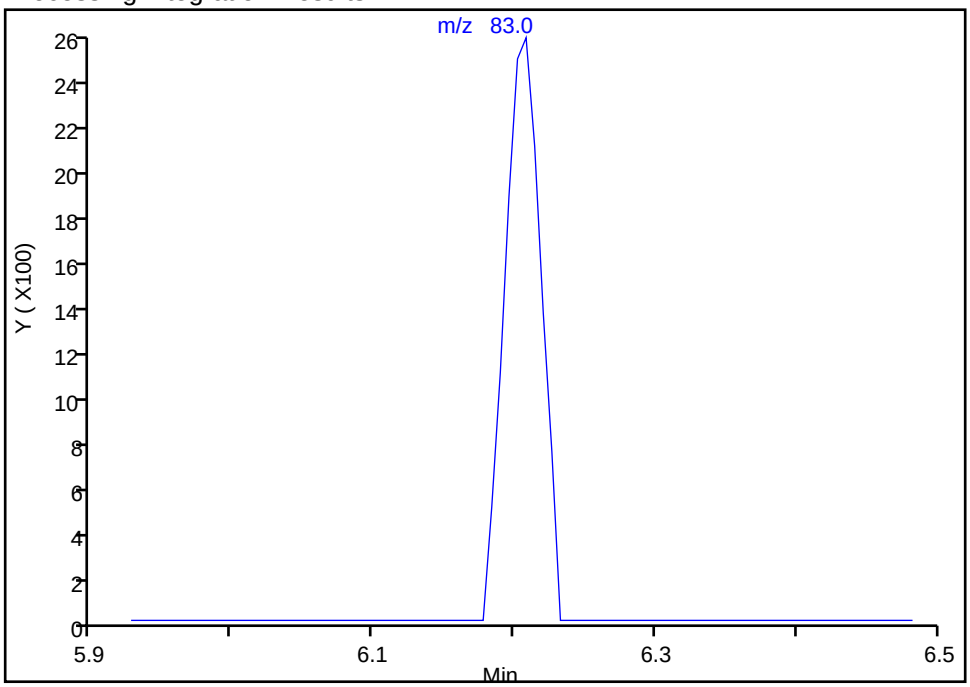
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

68 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

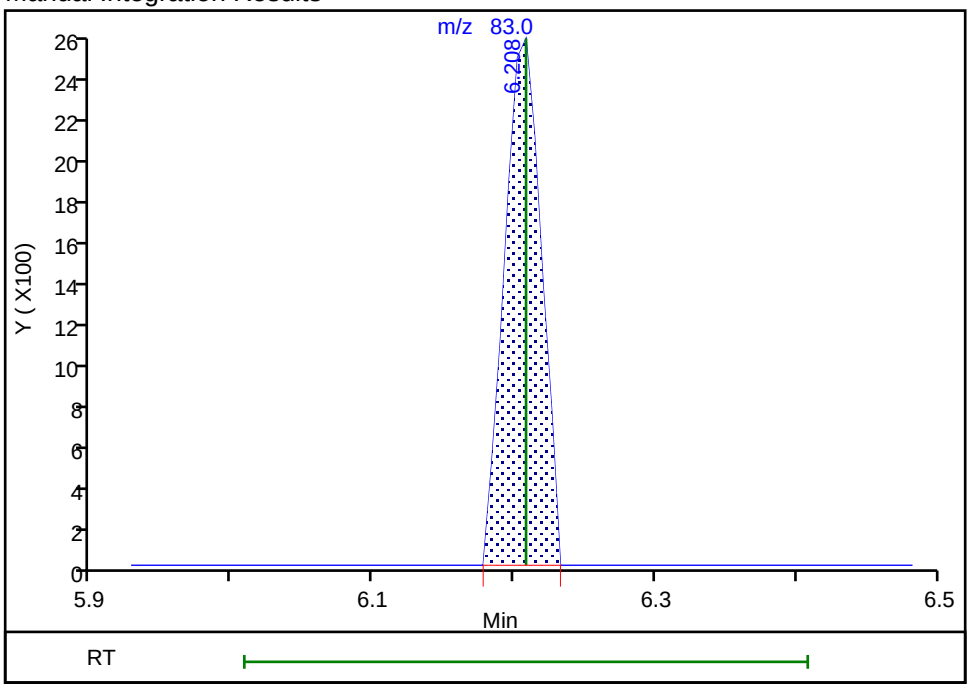
Not Detected
Expected RT: 6.21

Processing Integration Results



Manual Integration Results

RT: 6.21
Area: 4672
Amount: 0.384711
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:08
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

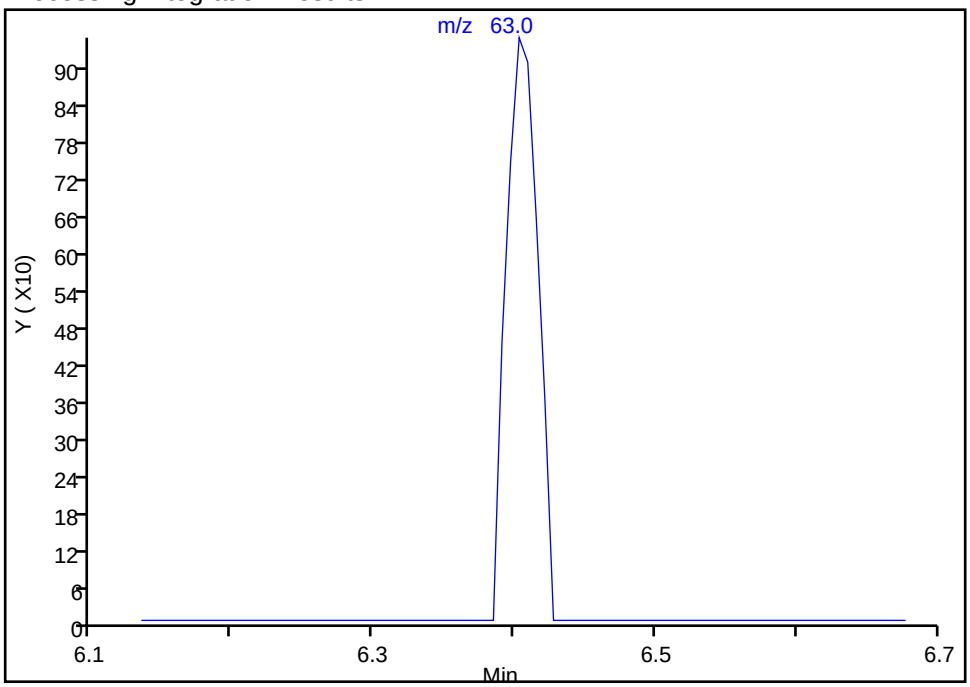
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

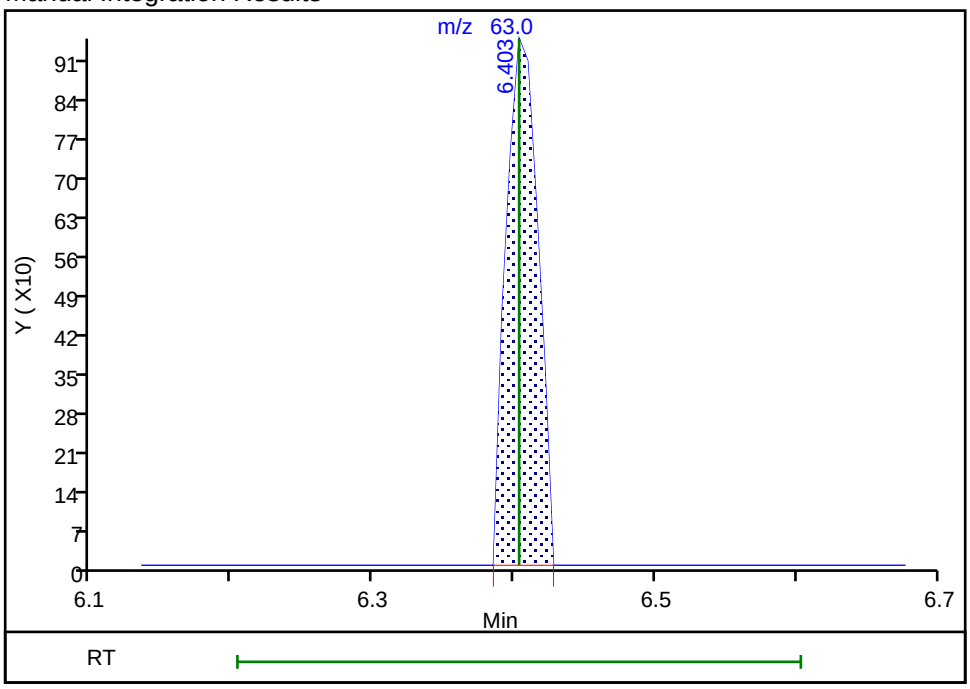
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 1490
Amount: 0.368325
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:10
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

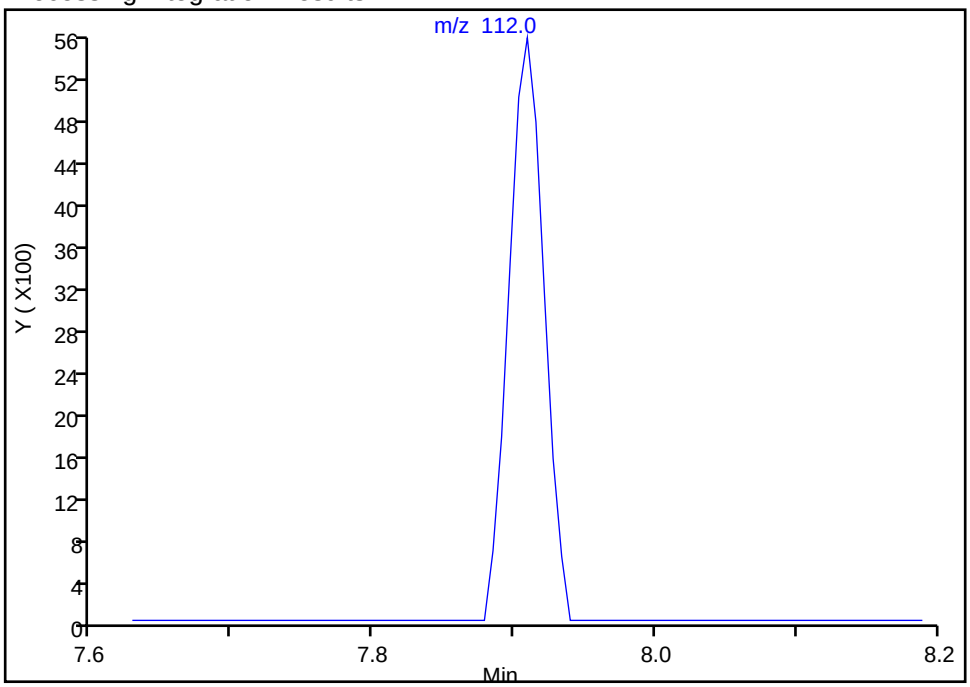
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

87 Chlorobenzene, CAS: 108-90-7

Signal: 1

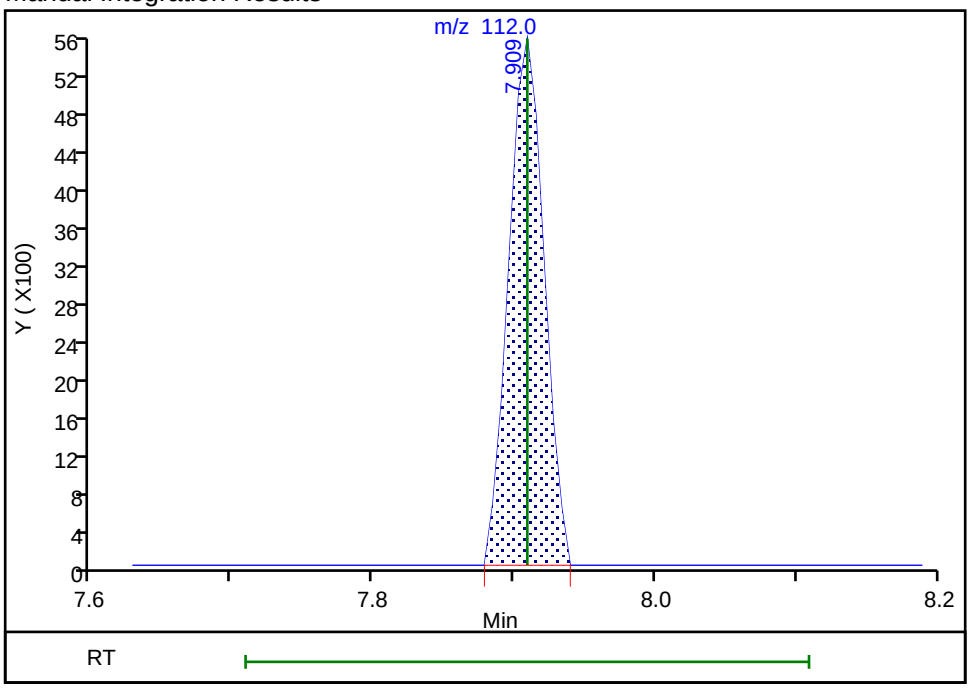
Not Detected
Expected RT: 7.91

Processing Integration Results



Manual Integration Results

RT: 7.91
Area: 9633
Amount: 0.385254
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:15
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

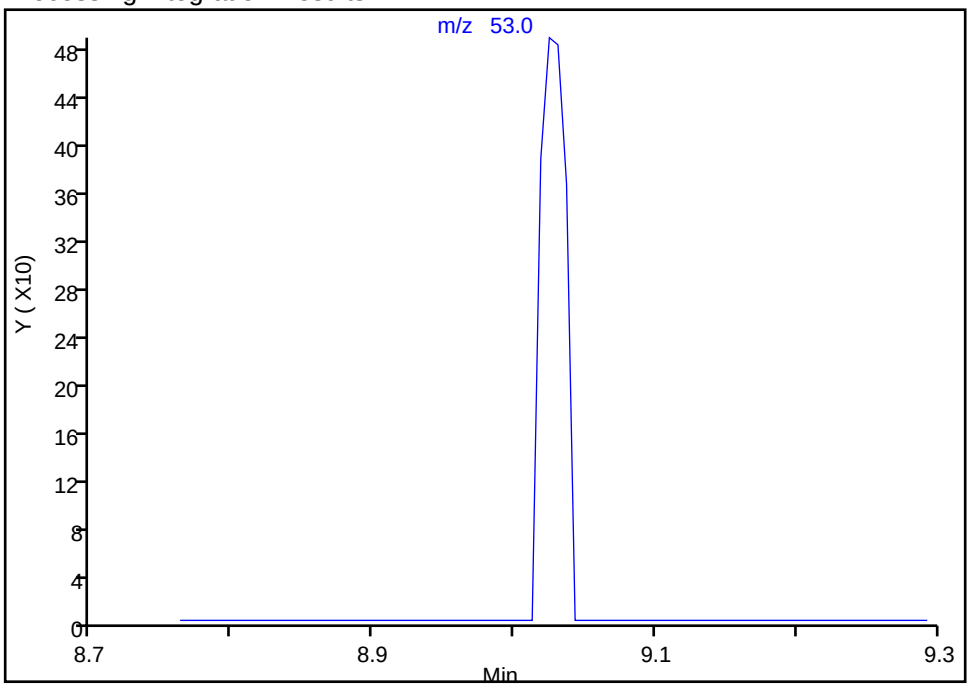
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

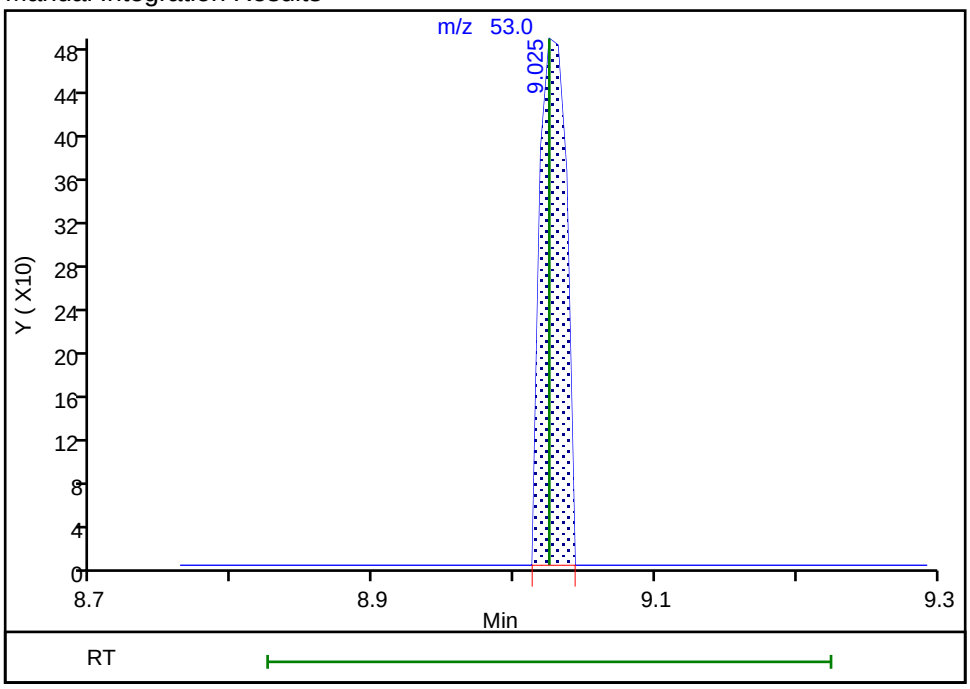
Not Detected
Expected RT: 9.02

Processing Integration Results



Manual Integration Results

RT: 9.02
Area: 627
Amount: 0.207755
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:22
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

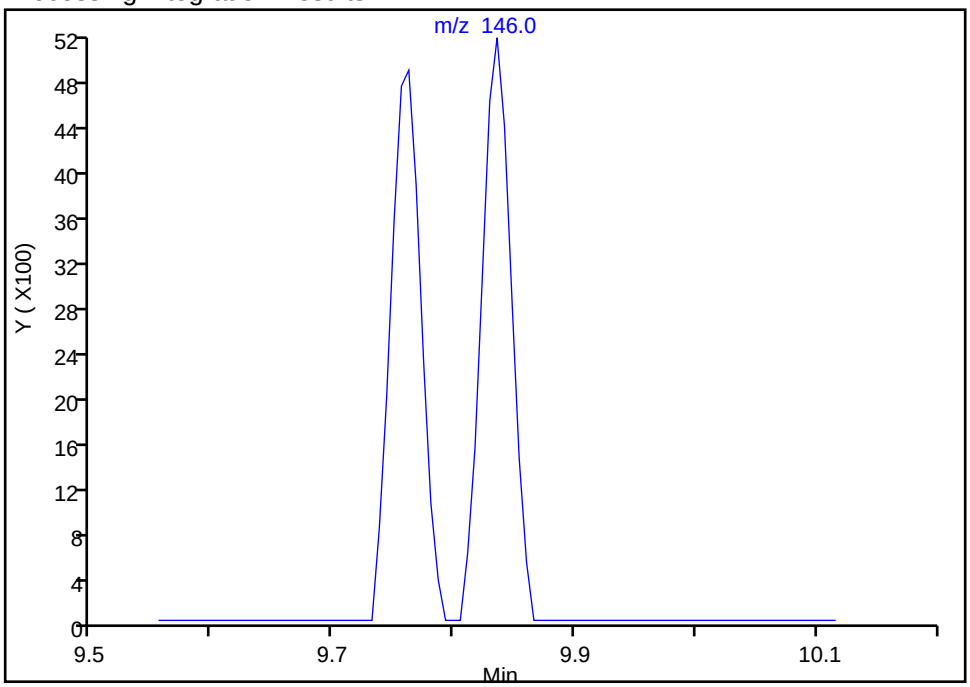
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

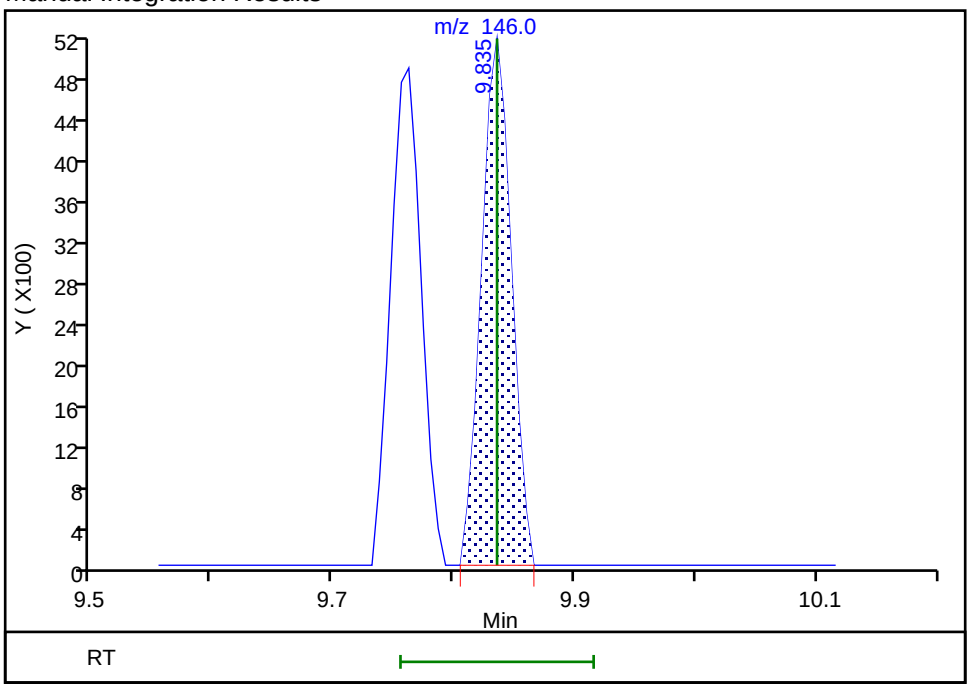
Not Detected
Expected RT: 9.84

Processing Integration Results



Manual Integration Results

RT: 9.84
Area: 8808
Amount: 0.384403
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:34
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

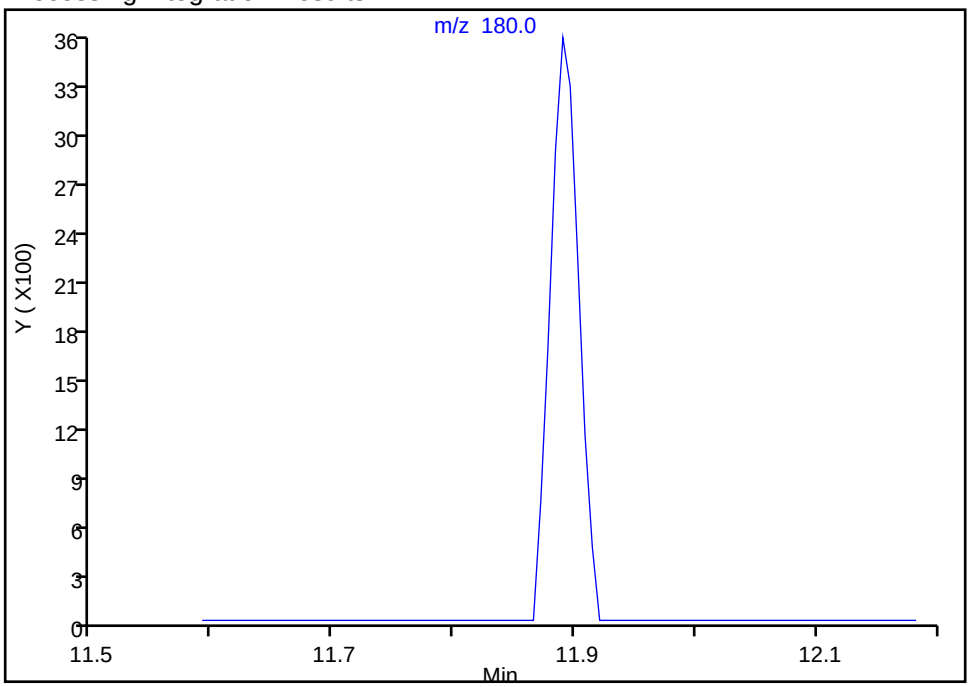
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

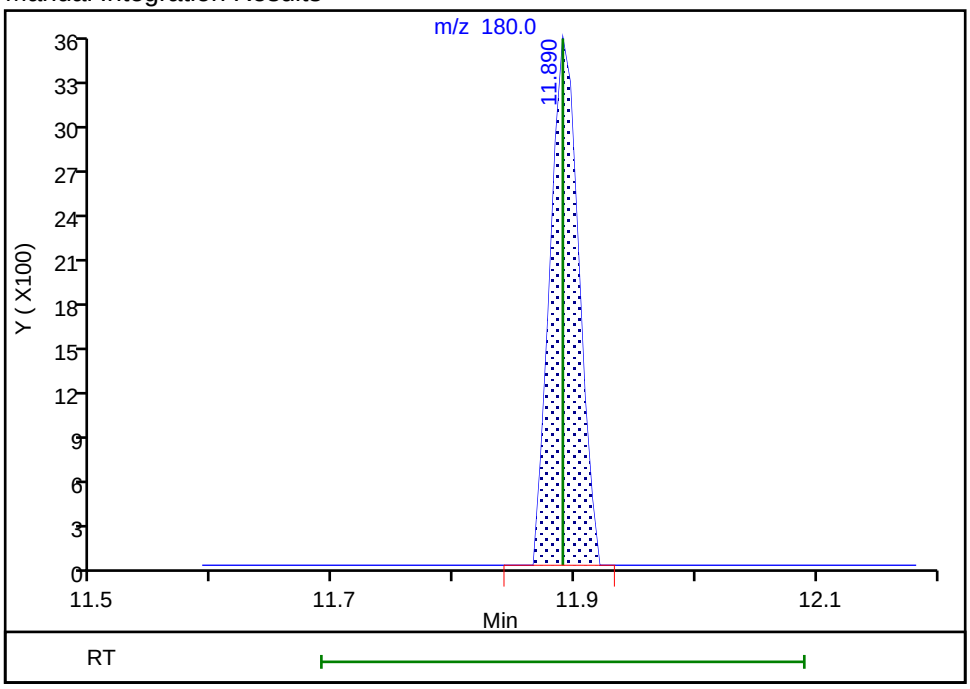
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 5749
Amount: 0.352867
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:38
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2184.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Jan-2020 15:08:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0087606-008
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:06:07 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:30:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	147929	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	328221	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.811	0.006	95	374188	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.013	5.007	0.006	93	239018	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.276	5.275	0.001	99	127610	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	766254	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	278937	25.0	25.2	
10 Dichlorodifluoromethane	85	1.502	1.496	0.006	96	9325	1.00	0.9053	
12 Chloromethane	50	1.715	1.715	0.000	98	14358	1.00	1.09	
144 Butadiene	54	1.831	1.831	0.000	93	10639	1.00	1.04	
13 Vinyl chloride	62	1.831	1.837	-0.006	68	10618	1.00	0.99	
14 Bromomethane	94	2.197	2.197	0.000	92	8221	1.00	1.07	
15 Chloroethane	64	2.288	2.276	0.012	95	6889	1.00	1.08	
16 Dichlorofluoromethane	67	2.532	2.526	0.006	94	15240	1.00	0.9743	
17 Trichlorofluoromethane	101	2.538	2.532	0.006	90	12207	1.00	0.9244	
18 Ethyl ether	59	2.801	2.800	0.000	96	6423	1.00	0.9786	
20 Acrolein	56	2.996	2.995	0.001	96	7054	5.00	4.95	
21 1,1,2-Trichloro-1,2,2-trif	101	3.038	3.032	0.006	81	7244	1.00	0.9573	
22 1,1-Dichloroethene	96	3.057	3.044	0.013	96	7395	1.00	1.01	
23 Acetone	43	3.154	3.148	0.006	98	15622	5.00	5.69	
25 Iodomethane	142	3.233	3.221	0.012	98	16911	1.00	0.9720	
26 Carbon disulfide	76	3.270	3.257	0.013	98	24908	1.00	0.9850	
28 3-Chloro-1-propene	41	3.392	3.385	0.007	87	12521	1.00	0.9687	
27 Methyl acetate	43	3.435	3.428	0.007	99	13829	2.00	2.28	
30 Methylene Chloride	84	3.575	3.532	0.043	95	14695	1.00	1.05	
31 2-Methyl-2-propanol	59	3.691	3.684	0.007	98	8590	10.0	9.33	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	98	21246	1.00	0.9820	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	95	8183	1.00	0.9677	
33 Acrylonitrile	53	3.800	3.794	0.006	95	26610	10.0	9.65	
35 Hexane	57	3.910	3.904	0.006	93	10562	1.00	0.9892	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	96	15715	1.00	1.02	
37 Vinyl acetate	43	4.160	4.154	0.006	98	29821	2.00	1.87	
44 2,2-Dichloropropane	77	4.581	4.580	0.001	89	8806	1.00	1.01	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	80	9547	1.00	1.00	
43 2-Butanone (MEK)	43	4.642	4.635	0.007	99	20799	5.00	5.27	
48 Chlorobromomethane	128	4.818	4.818	0.000	92	5565	1.00	1.01	
49 Tetrahydrofuran	42	4.843	4.836	0.007	92	8552	2.00	1.98	
50 Chloroform	83	4.879	4.873	0.006	96	16657	1.00	1.01	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	97	12683	1.00	0.9495	
52 Cyclohexane	56	4.989	4.983	0.006	93	12213	1.00	0.9600	
55 Carbon tetrachloride	117	5.093	5.092	0.001	96	12605	1.00	0.9848	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	93	11327	1.00	1.01	
53 Isobutyl alcohol	43	5.270	5.263	0.007	91	9884	25.0	25.3	
57 Benzene	78	5.282	5.281	0.001	94	30448	1.00	0.9815	
58 1,2-Dichloroethane	62	5.337	5.336	0.001	97	13613	1.00	1.03	
59 n-Heptane	43	5.391	5.391	0.000	93	11609	1.00	1.05	
62 Trichloroethene	95	5.776	5.775	0.001	96	9016	1.00	0.9826	
64 Methylcyclohexane	83	5.873	5.873	0.000	94	11080	1.00	0.9356	
65 1,2-Dichloropropane	63	5.977	5.976	0.001	89	8286	1.00	1.00	
66 1,4-Dioxane	88	6.093	6.086	0.007	0	1020	20.0	14.5	M
67 Dibromomethane	93	6.099	6.092	0.007	95	5926	1.00	1.00	
68 Dichlorobromomethane	83	6.208	6.208	0.000	97	11986	1.00	0.99	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	93	4126	1.00	1.02	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	92	12718	1.00	0.9622	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	41330	5.00	5.00	
74 Toluene	92	6.763	6.763	0.000	97	20027	1.00	0.9788	
77 trans-1,3-Dichloropropene	75	6.977	6.976	0.001	98	12008	1.00	0.9634	
75 Ethyl methacrylate	69	6.983	6.982	0.001	93	9333	1.00	0.9891	
79 1,1,2-Trichloroethane	83	7.135	7.129	0.006	92	5860	1.00	0.9398	
81 Tetrachloroethene	166	7.190	7.190	0.000	95	9792	1.00	0.9816	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	97	11590	1.00	0.9850	
80 2-Hexanone	43	7.287	7.287	0.000	96	29273	5.00	4.94	
83 Chlorodibromomethane	129	7.458	7.458	0.000	90	9846	1.00	0.9209	
84 Ethylene Dibromide	107	7.550	7.549	0.001	97	8290	1.00	0.9573	
87 Chlorobenzene	112	7.909	7.909	0.000	96	24521	1.00	0.9792	
88 Ethylbenzene	91	7.958	7.958	0.000	98	38737	1.00	1.00	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	92	9002	1.00	0.9248	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	98	15209	1.00	0.9811	
91 o-Xylene	106	8.385	8.385	0.000	96	15383	1.00	1.00	
92 Styrene	104	8.409	8.409	0.000	95	23868	1.00	0.9357	
95 Bromoform	173	8.623	8.628	-0.005	94	6193	1.00	0.9076	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	38446	1.00	0.9653	
101 Bromobenzene	156	8.982	8.982	0.000	89	11365	1.00	0.9441	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	94	10048	1.00	0.9821	
99 N-Propylbenzene	91	9.013	9.012	0.001	99	46644	1.00	0.9831	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	75	2509	1.00	0.8284	
100 1,2,3-Trichloropropane	110	9.031	9.031	0.000	86	2863	1.00	1.00	
103 2-Chlorotoluene	126	9.122	9.122	0.000	97	10178	1.00	0.9566	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	33731	1.00	0.9643	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	11054	1.00	0.99	
106 tert-Butylbenzene	134	9.427	9.427	0.000	92	6477	1.00	0.9017	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	96	33730	1.00	0.9422	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	41397	1.00	0.9353	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	36142	1.00	0.9253	
111 1,3-Dichlorobenzene	146	9.756	9.756	0.000	97	21349	1.00	0.9539	
113 1,4-Dichlorobenzene	146	9.836	9.835	0.001	96	23192	1.00	1.01	
115 n-Butylbenzene	91	10.080	10.079	0.001	98	33163	1.00	0.9468	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	97	21372	1.00	0.9561	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	84	1760	1.00	0.8713	
119 1,2,4-Trichlorobenzene	180	11.494	11.488	0.006	95	15608	1.00	0.9050	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	96	7480	1.00	0.9268	
121 Naphthalene	128	11.701	11.701	0.000	97	34474	1.00	0.8958	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	95	14799	1.00	0.9052	
S 126 1,3-Dichloropropene, Total	1				0			1.93	
S 125 1,2-Dichloroethene, Total	1				0			1.97	
S 124 Xylenes, Total	1				0			1.98	
S 123 Total BTEX	1				0			4.94	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00177	Amount Added:	1.00	Units: uL	
GAS CORP mix_00379	Amount Added:	1.00	Units: uL	
D 8260 IS/SUR_00008	Amount Added:	1.00	Units: uL	Run Reagent

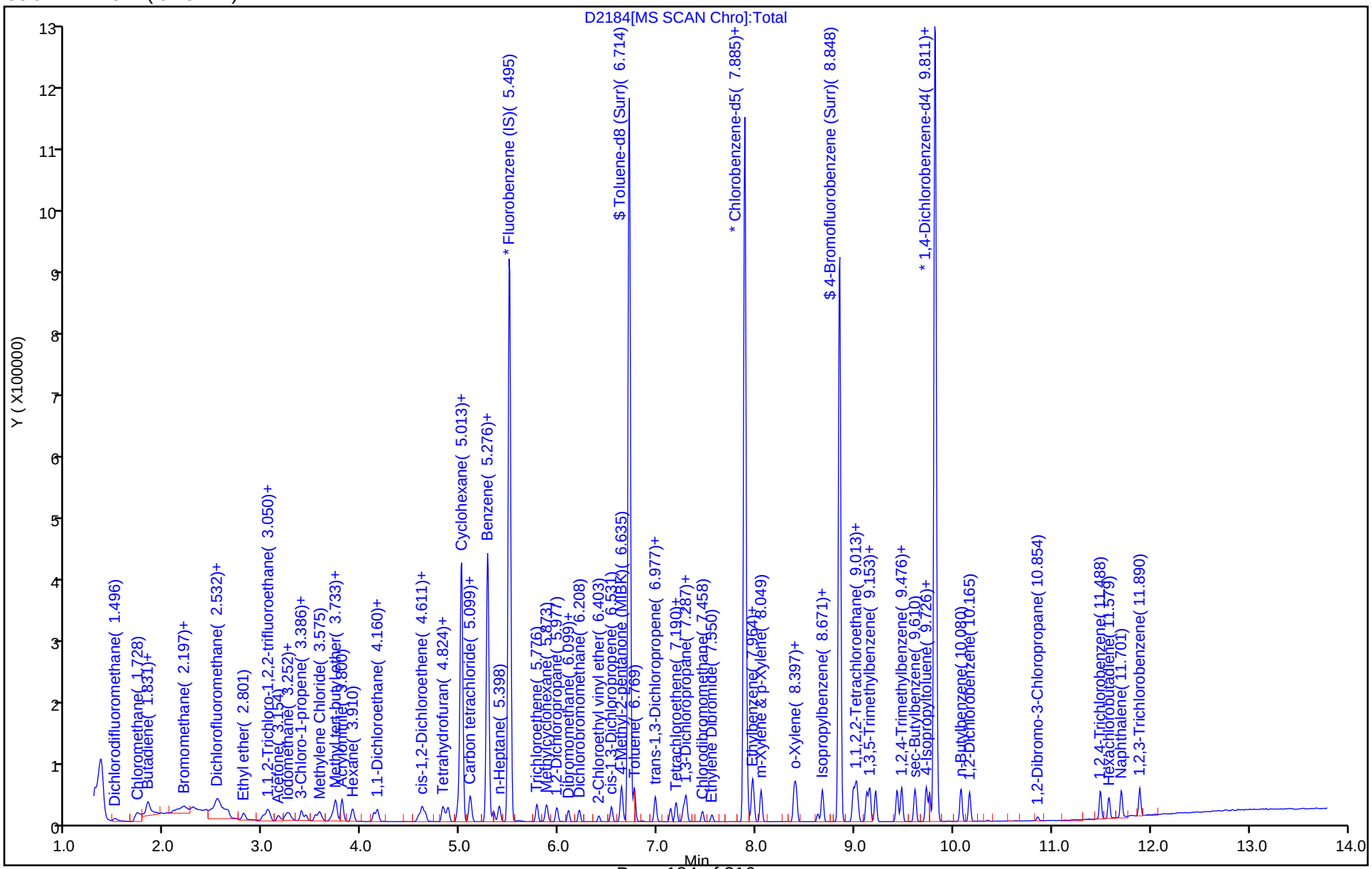
Report Date: 27-Jan-2020 11:06:10 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2184.D

Injection Date:	20-Jan-2020 15:08:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

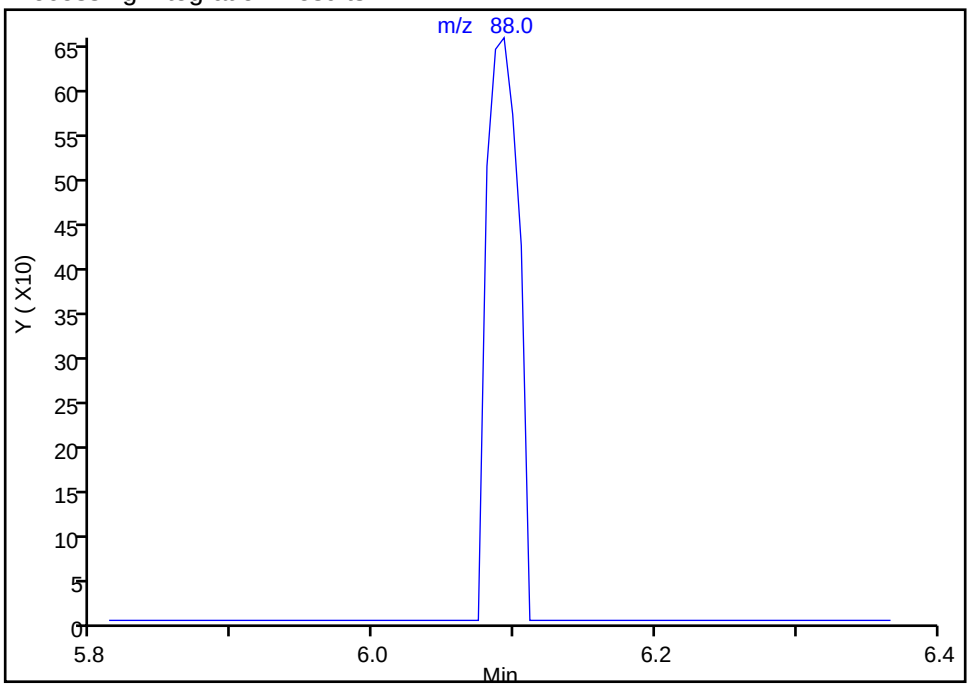
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2184.D
Injection Date: 20-Jan-2020 15:08:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

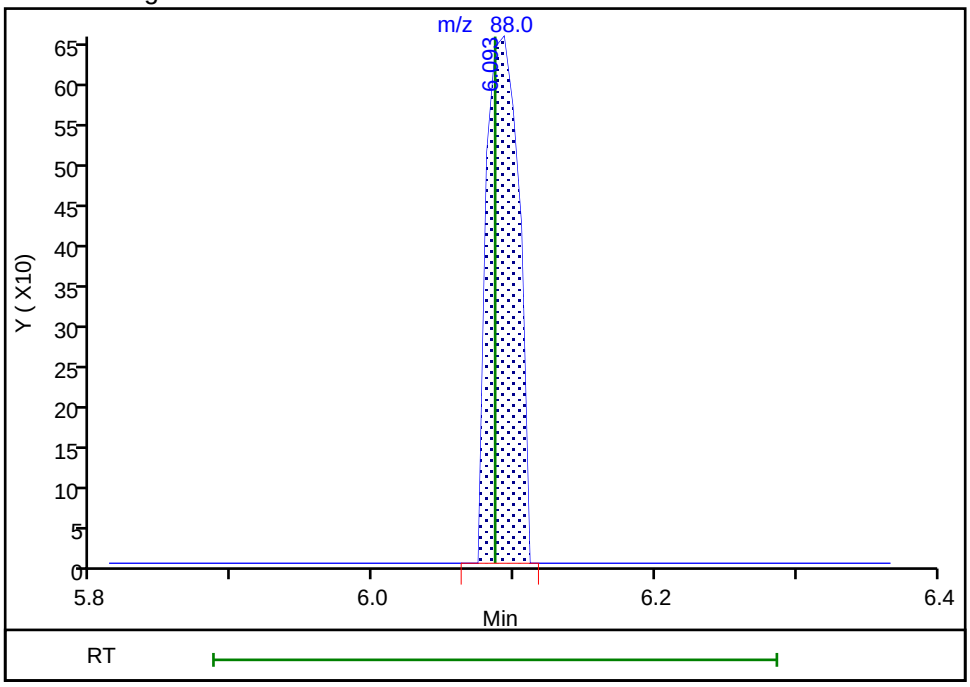
Not Detected
Expected RT: 6.09

Processing Integration Results



Manual Integration Results

RT: 6.09
Area: 1020
Amount: 14.471732
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:30:19
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2185.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Jan-2020 15:31:30 ALS Bottle#: 6 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0087606-009
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:06:19 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:31:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	150564	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	325100	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.811	0.006	96	374824	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.007	5.007	0.000	93	241675	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.276	5.275	0.001	99	128502	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	750200	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	275859	25.0	25.2	
10 Dichlorodifluoromethane	85	1.496	1.496	0.000	98	21503	2.00	2.05	
12 Chloromethane	50	1.715	1.715	0.000	98	27966	2.00	2.09	
144 Butadiene	54	1.825	1.831	-0.006	92	22159	2.00	2.12	
13 Vinyl chloride	62	1.831	1.837	-0.006	76	23123	2.00	2.13	
14 Bromomethane	94	2.191	2.197	-0.006	90	15421	2.00	1.98	
15 Chloroethane	64	2.270	2.276	-0.006	97	13303	2.00	2.06	
16 Dichlorofluoromethane	67	2.526	2.526	0.000	96	32673	2.00	2.05	
17 Trichlorofluoromethane	101	2.532	2.532	0.000	96	28483	2.00	2.12	
18 Ethyl ether	59	2.800	2.800	0.000	95	13403	2.00	2.01	
20 Acrolein	56	2.995	2.995	0.000	98	14164	10.0	9.77	
21 1,1,2-Trichloro-1,2,2-trif	101	3.026	3.032	-0.006	91	16540	2.00	2.15	
22 1,1-Dichloroethene	96	3.044	3.044	0.000	96	15692	2.00	2.11	
23 Acetone	43	3.154	3.148	0.006	97	30031	10.0	10.7	
25 Iodomethane	142	3.221	3.221	0.000	98	35871	2.00	2.03	
26 Carbon disulfide	76	3.258	3.257	0.001	100	54150	2.00	2.10	
28 3-Chloro-1-propene	41	3.386	3.385	0.001	88	27606	2.00	2.10	
27 Methyl acetate	43	3.434	3.428	0.006	99	25522	4.00	4.14	
30 Methylene Chloride	84	3.538	3.532	0.006	98	23715	2.00	2.08	
31 2-Methyl-2-propanol	59	3.690	3.684	0.006	98	18955	20.0	20.2	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	98	43727	2.00	1.99	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	96	17686	2.00	2.05	
33 Acrylonitrile	53	3.800	3.794	0.006	97	56383	20.0	20.1	
35 Hexane	57	3.904	3.904	0.000	94	22791	2.00	2.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	96	32630	2.00	2.08	
37 Vinyl acetate	43	4.160	4.154	0.006	98	58526	4.00	3.61	
44 2,2-Dichloropropane	77	4.581	4.580	0.001	90	18734	2.00	2.10	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	85	19938	2.00	2.06	
43 2-Butanone (MEK)	43	4.642	4.635	0.007	99	40918	10.0	10.2	
48 Chlorobromomethane	128	4.818	4.818	0.000	94	11266	2.00	2.01	
49 Tetrahydrofuran	42	4.843	4.836	0.007	87	13312	4.00	3.98	
50 Chloroform	83	4.873	4.873	0.000	96	34338	2.00	2.05	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	98	28294	2.00	2.08	
52 Cyclohexane	56	4.983	4.983	0.000	94	27407	2.00	2.12	
55 Carbon tetrachloride	117	5.093	5.092	0.001	96	26895	2.00	2.06	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	92	23478	2.00	2.06	
53 Isobutyl alcohol	43	5.269	5.263	0.006	90	19942	50.0	50.2	
57 Benzene	78	5.282	5.281	0.001	95	65039	2.00	2.06	
58 1,2-Dichloroethane	62	5.337	5.336	0.000	97	27279	2.00	2.03	
59 n-Heptane	43	5.391	5.391	0.000	94	23610	2.00	2.10	
62 Trichloroethene	95	5.775	5.775	0.000	96	19366	2.00	2.07	
64 Methylcyclohexane	83	5.873	5.873	0.000	95	25859	2.00	2.15	
65 1,2-Dichloropropane	63	5.977	5.976	0.001	90	16731	2.00	1.98	
66 1,4-Dioxane	88	6.092	6.086	0.006	91	2822	40.0	40.4	
67 Dibromomethane	93	6.092	6.092	0.000	96	12080	2.00	2.00	
68 Dichlorobromomethane	83	6.208	6.208	0.000	97	24578	2.00	1.99	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	92	7664	2.00	1.87	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	93	26795	2.00	1.99	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	84559	10.0	10.3	
74 Toluene	92	6.763	6.763	0.000	98	41384	2.00	2.04	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	99	23723	2.00	1.92	
75 Ethyl methacrylate	69	6.983	6.982	0.001	91	19304	2.00	2.07	
79 1,1,2-Trichloroethane	83	7.135	7.129	0.006	92	12295	2.00	1.99	
81 Tetrachloroethene	166	7.190	7.190	0.000	95	20402	2.00	2.06	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	97	23558	2.00	2.02	
80 2-Hexanone	43	7.287	7.287	0.000	96	61215	10.0	10.4	
83 Chlorodibromomethane	129	7.458	7.458	0.000	89	20790	2.00	1.96	
84 Ethylene Dibromide	107	7.549	7.549	0.000	97	17070	2.00	1.99	
87 Chlorobenzene	112	7.909	7.909	0.000	98	50307	2.00	2.03	
88 Ethylbenzene	91	7.958	7.958	0.000	98	78443	2.00	2.05	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	93	19859	2.00	2.06	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	98	32243	2.00	2.10	
91 o-Xylene	106	8.385	8.385	0.000	97	31270	2.00	2.05	
92 Styrene	104	8.409	8.409	0.000	96	51266	2.00	2.03	
95 Bromoform	173	8.622	8.628	-0.006	95	13077	2.00	1.93	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	80991	2.00	2.03	
101 Bromobenzene	156	8.982	8.982	0.000	91	23825	2.00	1.98	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	96	19875	2.00	1.94	
99 N-Propylbenzene	91	9.013	9.012	0.001	99	99374	2.00	2.09	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	76	5554	2.00	1.83	
100 1,2,3-Trichloropropane	110	9.037	9.031	0.006	86	5949	2.00	2.08	
103 2-Chlorotoluene	126	9.122	9.122	0.000	98	21944	2.00	2.06	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	71224	2.00	2.03	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	23094	2.00	2.07	
106 tert-Butylbenzene	134	9.427	9.427	0.000	94	14850	2.00	2.06	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	95	73403	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	93139	2.00	2.10	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	79412	2.00	2.03	
111 1,3-Dichlorobenzene	146	9.756	9.756	0.000	98	45483	2.00	2.03	
113 1,4-Dichlorobenzene	146	9.836	9.835	0.001	95	46826	2.00	2.03	
115 n-Butylbenzene	91	10.079	10.079	0.000	98	72939	2.00	2.08	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	98	45665	2.00	2.04	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	82	3649	2.00	1.80	
119 1,2,4-Trichlorobenzene	180	11.494	11.488	0.006	95	33780	2.00	1.96	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	16859	2.00	2.09	
121 Naphthalene	128	11.701	11.701	0.000	97	74280	2.00	1.93	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	95	32151	2.00	1.96	
S 126 1,3-Dichloropropene, Total	1				0			3.91	
S 125 1,2-Dichloroethene, Total	1				0			4.11	
S 124 Xylenes, Total	1				0			4.15	
S 123 Total BTEX	1				0			10.3	

Reagents:

8260 CORP mix_00177	Amount Added:	2.00	Units: uL	
GAS CORP mix_00379	Amount Added:	2.00	Units: uL	
D 8260 IS/SUR_00008	Amount Added:	1.00	Units: uL	Run Reagent

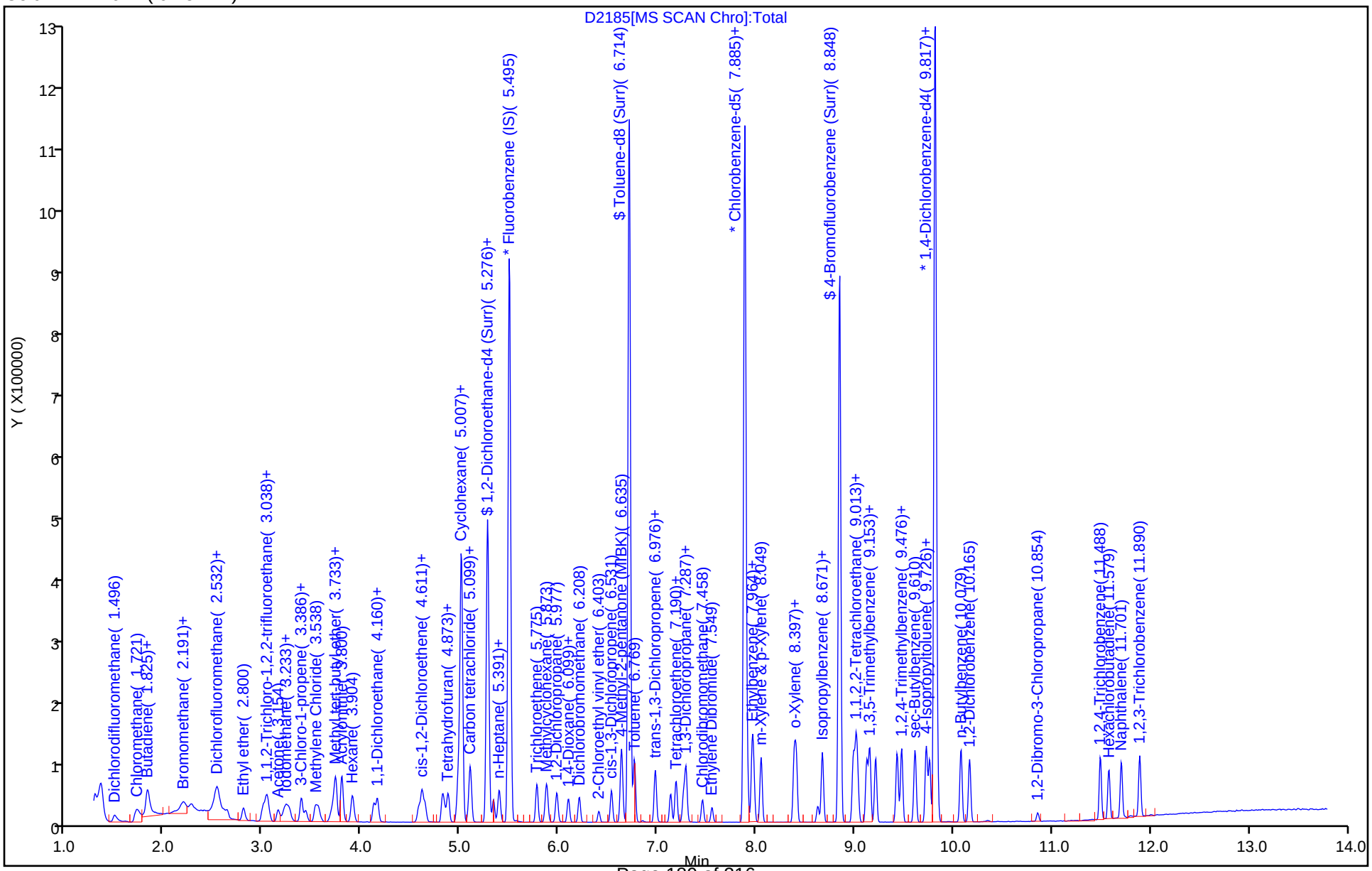
Report Date: 27-Jan-2020 11:06:22 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2185.D

Injection Date:	20-Jan-2020 15:31:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2186.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Jan-2020 15:55:30 ALS Bottle#: 7 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0087606-010
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:06:34 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:31:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	146592	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	315080	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.817	0.000	97	360072	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.007	5.007	0.000	93	239991	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.275	5.275	0.000	100	126969	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	738324	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	265011	25.0	25.0	
10 Dichlorodifluoromethane	85	1.496	1.496	0.000	98	52475	5.00	5.14	
12 Chloromethane	50	1.715	1.715	0.000	99	64850	5.00	4.98	
144 Butadiene	54	1.831	1.831	0.000	92	49924	5.00	4.90	
13 Vinyl chloride	62	1.831	1.831	0.000	73	54761	5.00	5.17	
14 Bromomethane	94	2.203	2.203	0.000	90	39804	5.00	5.24	
15 Chloroethane	64	2.288	2.288	0.000	98	30927	5.00	4.91	
16 Dichlorofluoromethane	67	2.532	2.532	0.000	97	85181	5.00	5.50	
17 Trichlorofluoromethane	101	2.538	2.538	0.000	97	66042	5.00	5.05	
18 Ethyl ether	59	2.800	2.800	0.000	96	33755	5.00	5.19	
20 Acrolein	56	2.995	2.995	0.000	98	35520	25.0	25.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.032	3.032	0.000	95	44090	5.00	5.88	
22 1,1-Dichloroethene	96	3.050	3.050	0.000	97	41024	5.00	5.66	
23 Acetone	43	3.154	3.154	0.000	98	69574	25.0	25.6	
25 Iodomethane	142	3.227	3.227	0.000	99	94614	5.00	5.49	
26 Carbon disulfide	76	3.270	3.270	0.000	100	132489	5.00	5.29	
28 3-Chloro-1-propene	41	3.386	3.386	0.000	87	70438	5.00	5.50	
27 Methyl acetate	43	3.428	3.428	0.000	99	61765	10.0	10.3	
30 Methylene Chloride	84	3.569	3.569	0.000	98	51022	5.00	5.43	
31 2-Methyl-2-propanol	59	3.684	3.684	0.000	100	46976	50.0	51.5	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	99	109592	5.00	5.11	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	96	46323	5.00	5.53	
33 Acrylonitrile	53	3.800	3.800	0.000	97	143788	50.0	52.6	
35 Hexane	57	3.904	3.904	0.000	94	60760	5.00	5.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	97	80944	5.00	5.30	
37 Vinyl acetate	43	4.160	4.160	0.000	97	158314	10.0	10.0	
44 2,2-Dichloropropane	77	4.581	4.581	0.000	91	44329	5.00	5.11	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	82	50420	5.00	5.34	
43 2-Butanone (MEK)	43	4.641	4.641	0.000	99	99191	25.0	25.4	
48 Chlorobromomethane	128	4.818	4.818	0.000	94	29055	5.00	5.34	
49 Tetrahydrofuran	42	4.837	4.837	0.000	87	27650	10.0	10.5	
50 Chloroform	83	4.873	4.873	0.000	95	85291	5.00	5.22	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	98	73703	5.00	5.57	
52 Cyclohexane	56	4.983	4.983	0.000	95	71774	5.00	5.69	
55 Carbon tetrachloride	117	5.093	5.093	0.000	97	69538	5.00	5.48	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	92	60383	5.00	5.45	
53 Isobutyl alcohol	43	5.263	5.263	0.000	90	48349	125.0	124.9	
57 Benzene	78	5.282	5.282	0.000	94	162881	5.00	5.30	
58 1,2-Dichloroethane	62	5.336	5.336	0.000	98	67489	5.00	5.17	
59 n-Heptane	43	5.391	5.391	0.000	94	59981	5.00	5.49	
62 Trichloroethene	95	5.775	5.775	0.000	95	48754	5.00	5.36	
64 Methylcyclohexane	83	5.873	5.873	0.000	95	68866	5.00	5.87	
65 1,2-Dichloropropane	63	5.977	5.977	0.000	90	42849	5.00	5.21	
66 1,4-Dioxane	88	6.086	6.086	0.000	95	7275	100.0	107.5	
67 Dibromomethane	93	6.092	6.092	0.000	96	30942	5.00	5.26	
68 Dichlorobromomethane	83	6.208	6.208	0.000	97	62658	5.00	5.22	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	93	21045	5.00	5.27	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	92	68383	5.00	5.22	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	212718	25.0	26.8	
74 Toluene	92	6.763	6.763	0.000	98	105069	5.00	5.35	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	98	61436	5.00	5.13	
75 Ethyl methacrylate	69	6.982	6.982	0.000	93	48439	5.00	5.35	
79 1,1,2-Trichloroethane	83	7.135	7.135	0.000	94	31925	5.00	5.33	
81 Tetrachloroethene	166	7.190	7.190	0.000	95	52903	5.00	5.52	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	96	60238	5.00	5.33	
80 2-Hexanone	43	7.287	7.287	0.000	98	153748	25.0	27.0	
83 Chlorodibromomethane	129	7.458	7.458	0.000	89	53512	5.00	5.21	
84 Ethylene Dibromide	107	7.549	7.549	0.000	98	43920	5.00	5.28	
87 Chlorobenzene	112	7.909	7.909	0.000	97	129102	5.00	5.37	
88 Ethylbenzene	91	7.958	7.958	0.000	99	197674	5.00	5.32	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	95	49456	5.00	5.29	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	98	79144	5.00	5.32	
91 o-Xylene	106	8.385	8.385	0.000	97	78743	5.00	5.33	
92 Styrene	104	8.409	8.409	0.000	95	130275	5.00	5.32	
95 Bromoform	173	8.628	8.628	0.000	97	33237	5.00	5.07	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	205494	5.00	5.36	
101 Bromobenzene	156	8.982	8.982	0.000	90	60185	5.00	5.20	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	97	51118	5.00	5.19	
99 N-Propylbenzene	91	9.013	9.013	0.000	99	243485	5.00	5.33	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	76	14973	5.00	5.14	
100 1,2,3-Trichloropropane	110	9.031	9.031	0.000	86	14917	5.00	5.42	
103 2-Chlorotoluene	126	9.122	9.122	0.000	97	53836	5.00	5.26	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	179346	5.00	5.33	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	56525	5.00	5.28	
106 tert-Butylbenzene	134	9.427	9.427	0.000	93	37137	5.00	5.37	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	95	184128	5.00	5.34	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	95	229917	5.00	5.40	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	205950	5.00	5.48	
111 1,3-Dichlorobenzene	146	9.756	9.756	0.000	99	112735	5.00	5.23	
113 1,4-Dichlorobenzene	146	9.836	9.836	0.000	96	115983	5.00	5.24	
115 n-Butylbenzene	91	10.079	10.079	0.000	98	181722	5.00	5.39	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	98	113724	5.00	5.29	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	86	10051	5.00	5.17	
119 1,2,4-Trichlorobenzene	180	11.488	11.488	0.000	95	85400	5.00	5.15	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	41558	5.00	5.35	
121 Naphthalene	128	11.701	11.701	0.000	97	188634	5.00	5.09	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	96	82001	5.00	5.21	
S 126 1,3-Dichloropropene, Total	1				0			10.4	
S 125 1,2-Dichloroethene, Total	1				0			10.9	
S 124 Xylenes, Total	1				0			10.7	
S 123 Total BTEX	1				0			26.6	

Reagents:

8260 CORP mix_00177	Amount Added:	5.00	Units: uL	
GAS CORP mix_00379	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00008	Amount Added:	1.00	Units: uL	Run Reagent

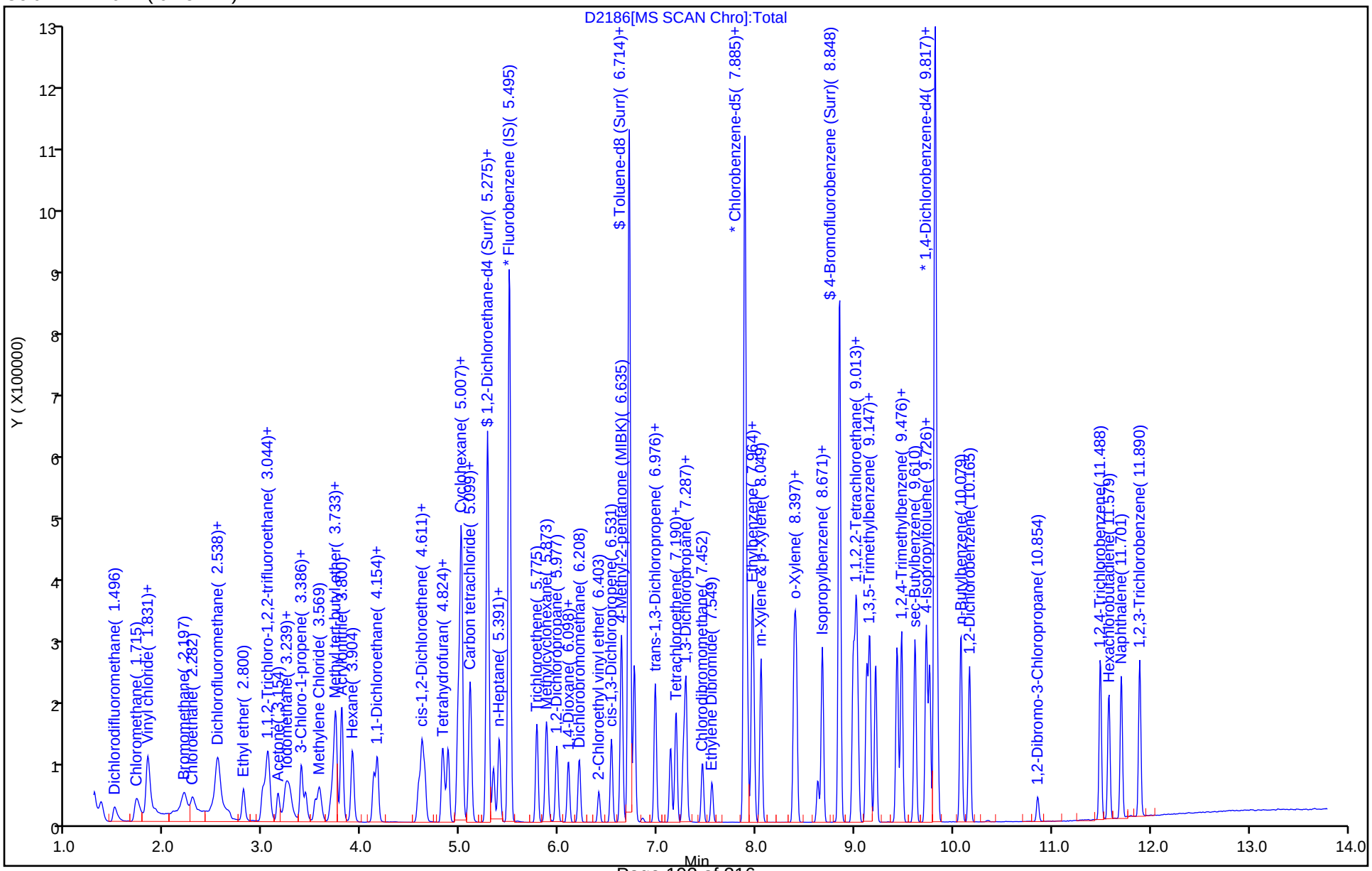
Report Date: 27-Jan-2020 11:06:38 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2186.D

Injection Date:	20-Jan-2020 15:55:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2187.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 20-Jan-2020 16:18:30 ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0087606-011
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:06:50 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:31:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	148872	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	321283	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.817	0.000	95	365279	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.007	5.007	0.000	93	244767	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.275	5.275	0.000	100	127684	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	754979	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	271167	25.0	25.1	
10 Dichlorodifluoromethane	85	1.496	1.496	0.000	99	107175	10.0	10.3	
12 Chloromethane	50	1.715	1.715	0.000	99	128994	10.0	9.76	
13 Vinyl chloride	62	1.831	1.831	0.000	98	113081	10.0	10.5	
144 Butadiene	54	1.831	1.831	0.000	95	98855	10.0	9.56	
14 Bromomethane	94	2.191	2.203	-0.012	91	73758	10.0	9.56	
15 Chloroethane	64	2.276	2.288	-0.012	98	62902	10.0	9.84	
16 Dichlorofluoromethane	67	2.526	2.532	-0.006	97	167469	10.0	10.6	
17 Trichlorofluoromethane	101	2.532	2.538	-0.006	98	135988	10.0	10.2	
18 Ethyl ether	59	2.800	2.800	0.000	96	66917	10.0	10.1	
20 Acrolein	56	2.995	2.995	0.000	98	71220	50.0	49.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.026	3.032	-0.006	94	67295	10.0	8.84	
22 1,1-Dichloroethene	96	3.044	3.050	-0.006	96	66797	10.0	9.08	
23 Acetone	43	3.148	3.154	-0.006	98	142361	50.0	51.5	
25 Iodomethane	142	3.221	3.227	-0.006	99	171441	10.0	9.79	
26 Carbon disulfide	76	3.258	3.270	-0.012	100	241841	10.0	9.50	
28 3-Chloro-1-propene	41	3.386	3.386	0.000	87	128439	10.0	9.87	
27 Methyl acetate	43	3.428	3.428	0.000	99	120431	20.0	19.8	
30 Methylene Chloride	84	3.532	3.569	-0.036	98	93711	10.0	10.4	
31 2-Methyl-2-propanol	59	3.684	3.684	0.000	100	99403	100.0	107.3	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	99	226284	10.0	10.4	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	97	82802	10.0	9.73	
33 Acrylonitrile	53	3.794	3.800	-0.006	97	288855	100.0	104.1	
35 Hexane	57	3.904	3.904	0.000	94	91925	10.0	8.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	97	151341	10.0	9.76	
37 Vinyl acetate	43	4.160	4.160	0.000	97	337920	20.0	21.1	
44 2,2-Dichloropropane	77	4.580	4.581	0.000	94	84589	10.0	9.61	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	83	94709	10.0	9.88	
43 2-Butanone (MEK)	43	4.635	4.641	-0.006	99	194751	50.0	49.0	
48 Chlorobromomethane	128	4.818	4.818	0.000	94	56453	10.0	10.2	
49 Tetrahydrofuran	42	4.836	4.837	-0.001	87	53153	20.0	21.6	
50 Chloroform	83	4.873	4.873	0.000	95	159204	10.0	9.59	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	99	128350	10.0	9.55	
52 Cyclohexane	56	4.983	4.983	0.000	95	110031	10.0	8.59	
55 Carbon tetrachloride	117	5.093	5.093	0.000	97	118728	10.0	9.22	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	93	104693	10.0	9.30	
53 Isobutyl alcohol	43	5.263	5.263	0.000	92	102072	250.0	259.7	
57 Benzene	78	5.282	5.282	0.000	96	303899	10.0	9.73	
58 1,2-Dichloroethane	62	5.336	5.336	0.000	97	130721	10.0	9.86	
59 n-Heptane	43	5.391	5.391	0.000	95	94933	10.0	8.56	
62 Trichloroethene	95	5.775	5.775	0.000	96	89043	10.0	9.64	
64 Methylcyclohexane	83	5.873	5.873	0.000	95	107045	10.0	8.98	
65 1,2-Dichloropropane	63	5.976	5.977	-0.001	92	83724	10.0	10.0	
66 1,4-Dioxane	88	6.086	6.086	0.000	96	15753	200.0	228.3	
67 Dibromomethane	93	6.092	6.092	0.000	97	60847	10.0	10.2	
68 Dichlorobromomethane	83	6.208	6.208	0.000	97	120944	10.0	9.93	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	94	41644	10.0	10.3	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	93	134494	10.0	10.1	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	435385	50.0	53.8	
74 Toluene	92	6.763	6.763	0.000	98	195400	10.0	9.76	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	98	125854	10.0	10.3	
75 Ethyl methacrylate	69	6.982	6.982	0.000	92	97867	10.0	10.6	
79 1,1,2-Trichloroethane	83	7.135	7.135	0.000	94	62566	10.0	10.3	
81 Tetrachloroethene	166	7.190	7.190	0.000	96	94207	10.0	9.65	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	96	116815	10.0	10.1	
80 2-Hexanone	43	7.287	7.287	0.000	97	316313	50.0	54.5	
83 Chlorodibromomethane	129	7.458	7.458	0.000	90	107336	10.0	10.3	
84 Ethylene Dibromide	107	7.549	7.549	0.000	98	88305	10.0	10.4	
87 Chlorobenzene	112	7.909	7.909	0.000	97	244204	10.0	9.96	
88 Ethylbenzene	91	7.958	7.958	0.000	98	368011	10.0	9.72	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	95	98032	10.0	10.3	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	99	149894	10.0	9.88	
91 o-Xylene	106	8.385	8.385	0.000	97	148848	10.0	9.89	
92 Styrene	104	8.409	8.409	0.000	96	251509	10.0	10.1	
95 Bromoform	173	8.622	8.628	-0.006	97	69123	10.0	10.3	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	376628	10.0	9.69	
101 Bromobenzene	156	8.982	8.982	0.000	90	118887	10.0	10.1	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	97	103877	10.0	10.4	
99 N-Propylbenzene	91	9.012	9.013	-0.001	99	446135	10.0	9.63	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	77	31260	10.0	10.6	
100 1,2,3-Trichloropropane	110	9.031	9.031	0.000	87	30473	10.0	10.9	
103 2-Chlorotoluene	126	9.122	9.122	0.000	98	102687	10.0	9.89	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	338111	10.0	9.90	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	107237	10.0	9.88	
106 tert-Butylbenzene	134	9.427	9.427	0.000	93	70260	10.0	10.0	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	97	350461	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	418330	10.0	9.68	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	379212	10.0	9.95	
111 1,3-Dichlorobenzene	146	9.756	9.756	0.000	98	220920	10.0	10.1	
113 1,4-Dichlorobenzene	146	9.836	9.836	0.000	96	224354	10.0	10.0	
115 n-Butylbenzene	91	10.079	10.079	0.000	98	339893	10.0	9.94	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	98	225625	10.0	10.3	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	86	20965	10.0	10.6	
119 1,2,4-Trichlorobenzene	180	11.488	11.488	0.000	94	174098	10.0	10.3	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	77997	10.0	9.90	
121 Naphthalene	128	11.701	11.701	0.000	97	395646	10.0	10.5	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	96	167784	10.0	10.5	
S 126 1,3-Dichloropropene, Total	1				0			20.4	
S 125 1,2-Dichloroethene, Total	1				0			19.6	
S 124 Xylenes, Total	1				0			19.8	
S 123 Total BTEX	1				0			49.0	

Reagents:

8260 CORP mix_00177	Amount Added:	5.00	Units: uL	
GAS CORP mix_00379	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00008	Amount Added:	1.00	Units: uL	Run Reagent

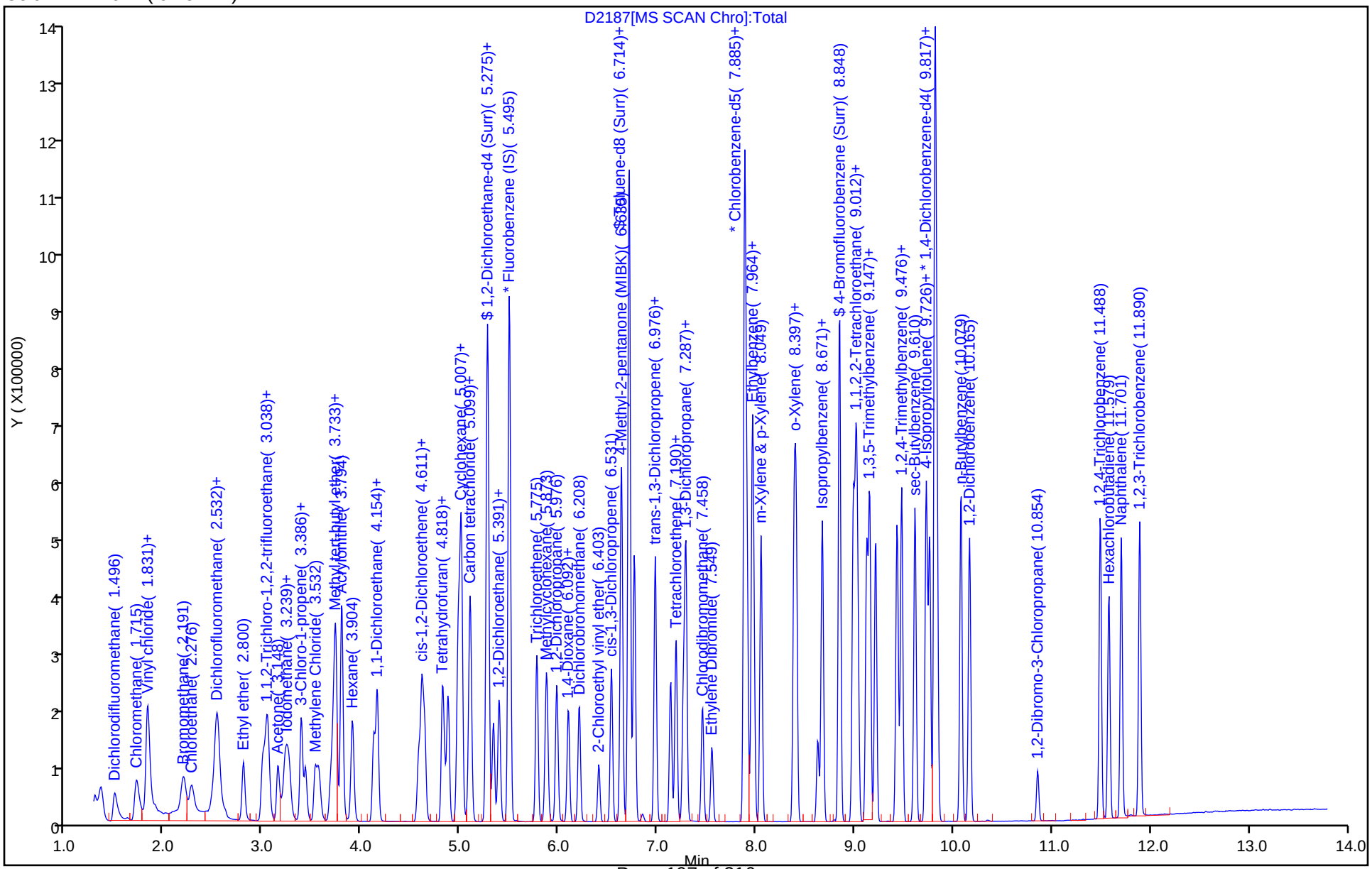
Report Date: 27-Jan-2020 11:06:54 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2187.D

Injection Date:	20-Jan-2020 16:18:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2188.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 20-Jan-2020 16:41:30 ALS Bottle#: 9 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0087606-012
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:07:02 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:22:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	148766	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	323143	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.817	0.000	95	358318	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.007	5.007	0.000	94	243975	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.275	5.275	0.000	99	127766	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	753539	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	271152	25.0	24.9	
10 Dichlorodifluoromethane	85	1.496	1.496	0.000	99	289133	25.0	27.9	
12 Chloromethane	50	1.715	1.715	0.000	99	315404	25.0	23.9	
13 Vinyl chloride	62	1.837	1.837	0.000	98	291651	25.0	27.1	
144 Butadiene	54	1.831	1.831	0.000	94	257499	25.0	24.9	
14 Bromomethane	94	2.197	2.197	0.000	91	195568	25.0	25.4	
15 Chloroethane	64	2.276	2.276	0.000	98	155948	25.0	24.4	
16 Dichlorofluoromethane	67	2.526	2.526	0.000	98	405852	25.0	25.8	
17 Trichlorofluoromethane	101	2.532	2.532	0.000	99	364408	25.0	27.4	
18 Ethyl ether	59	2.800	2.800	0.000	97	164732	25.0	25.0	
20 Acrolein	56	2.995	2.995	0.000	98	174830	125.0	122.1	
21 1,1,2-Trichloro-1,2,2-trif	101	3.032	3.032	0.000	93	208461	25.0	27.4	
22 1,1-Dichloroethene	96	3.044	3.044	0.000	97	190107	25.0	25.9	
23 Acetone	43	3.148	3.148	0.000	98	324255	125.0	117.4	
25 Iodomethane	142	3.221	3.221	0.000	99	451054	25.0	25.8	
26 Carbon disulfide	76	3.257	3.257	0.000	100	659143	25.0	25.9	
28 3-Chloro-1-propene	41	3.385	3.385	0.000	88	339689	25.0	26.1	
27 Methyl acetate	43	3.428	3.428	0.000	99	290658	50.0	47.7	
30 Methylene Chloride	84	3.532	3.532	0.000	98	226917	25.0	26.2	
31 2-Methyl-2-propanol	59	3.684	3.684	0.000	99	236187	250.0	255.2	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	97	553257	25.0	25.4	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	97	219606	25.0	25.8	
33 Acrylonitrile	53	3.794	3.794	0.000	97	691184	250.0	249.2	
35 Hexane	57	3.904	3.904	0.000	94	280877	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	97	392566	25.0	25.3	
37 Vinyl acetate	43	4.154	4.154	0.000	97	868325	50.0	54.2	
44 2,2-Dichloropropane	77	4.580	4.580	0.000	94	230254	25.0	26.2	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	84	241979	25.0	25.3	
43 2-Butanone (MEK)	43	4.635	4.635	0.000	99	461620	125.0	116.3	
48 Chlorobromomethane	128	4.818	4.818	0.000	94	140654	25.0	25.5	
49 Tetrahydrofuran	42	4.836	4.836	0.000	87	120782	50.0	51.4	
50 Chloroform	83	4.873	4.873	0.000	95	402102	25.0	24.2	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	99	352213	25.0	26.2	
52 Cyclohexane	56	4.983	4.983	0.000	94	341577	25.0	26.7	
55 Carbon tetrachloride	117	5.092	5.092	0.000	97	338643	25.0	26.3	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	95	289718	25.0	25.8	
53 Isobutyl alcohol	43	5.263	5.263	0.000	92	237733	625.0	605.2	
57 Benzene	78	5.281	5.281	0.000	97	787595	25.0	25.2	
58 1,2-Dichloroethane	62	5.336	5.336	0.000	98	320418	25.0	24.2	
59 n-Heptane	43	5.391	5.391	0.000	95	275825	25.0	24.9	
62 Trichloroethene	95	5.775	5.775	0.000	96	236107	25.0	25.6	
64 Methylcyclohexane	83	5.873	5.873	0.000	95	324865	25.0	27.3	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	91	209735	25.0	25.1	
66 1,4-Dioxane	88	6.086	6.086	0.000	96	33890	500.0	488.4	
67 Dibromomethane	93	6.092	6.092	0.000	95	152416	25.0	25.5	
68 Dichlorobromomethane	83	6.208	6.208	0.000	98	310521	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	94	107910	25.0	26.6	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	93	343228	25.0	25.8	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	987577	125.0	121.3	
74 Toluene	92	6.763	6.763	0.000	98	505545	25.0	25.1	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	97	317504	25.0	25.9	
75 Ethyl methacrylate	69	6.982	6.982	0.000	91	227498	25.0	24.5	
79 1,1,2-Trichloroethane	83	7.129	7.129	0.000	92	154777	25.0	25.2	
81 Tetrachloroethene	166	7.190	7.190	0.000	96	253146	25.0	25.8	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	96	288003	25.0	24.9	
80 2-Hexanone	43	7.287	7.287	0.000	99	720441	125.0	123.5	
83 Chlorodibromomethane	129	7.458	7.458	0.000	90	268813	25.0	25.5	
84 Ethylene Dibromide	107	7.549	7.549	0.000	98	214687	25.0	25.2	
87 Chlorobenzene	112	7.909	7.909	0.000	99	618373	25.0	25.1	
88 Ethylbenzene	91	7.958	7.958	0.000	98	960958	25.0	25.2	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	95	248777	25.0	26.0	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	98	386133	25.0	25.3	
91 o-Xylene	106	8.385	8.385	0.000	97	382544	25.0	25.3	
92 Styrene	104	8.409	8.409	0.000	95	638595	25.0	25.4	
95 Bromoform	173	8.628	8.628	0.000	97	174668	25.0	26.0	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	993935	25.0	26.1	
101 Bromobenzene	156	8.982	8.982	0.000	95	296471	25.0	25.7	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	96	249457	25.0	25.5	
99 N-Propylbenzene	91	9.012	9.012	0.000	99	1169205	25.0	25.7	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	77	76873	25.0	26.5	
100 1,2,3-Trichloropropane	110	9.031	9.031	0.000	87	71632	25.0	26.2	
103 2-Chlorotoluene	126	9.122	9.122	0.000	97	260080	25.0	25.5	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	872737	25.0	26.1	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	273494	25.0	25.7	
106 tert-Butylbenzene	134	9.427	9.427	0.000	93	182030	25.0	26.5	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	98	887524	25.0	25.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	1114322	25.0	26.3	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	993139	25.0	26.6	
111 1,3-Dichlorobenzene	146	9.756	9.756	0.000	98	550412	25.0	25.7	
113 1,4-Dichlorobenzene	146	9.835	9.835	0.000	97	556573	25.0	25.3	
115 n-Butylbenzene	91	10.079	10.079	0.000	98	889673	25.0	26.5	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	98	548854	25.0	25.6	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	87	50261	25.0	26.0	
119 1,2,4-Trichlorobenzene	180	11.488	11.488	0.000	94	438975	25.0	26.6	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	206067	25.0	26.7	
121 Naphthalene	128	11.701	11.701	0.000	97	967066	25.0	26.2	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	96	415868	25.0	26.6	

Reagents:

8260 CORP mix_00177	Amount Added: 12.50	Units: uL	
GAS CORP mix_00379	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00008	Amount Added: 1.00	Units: uL	Run Reagent

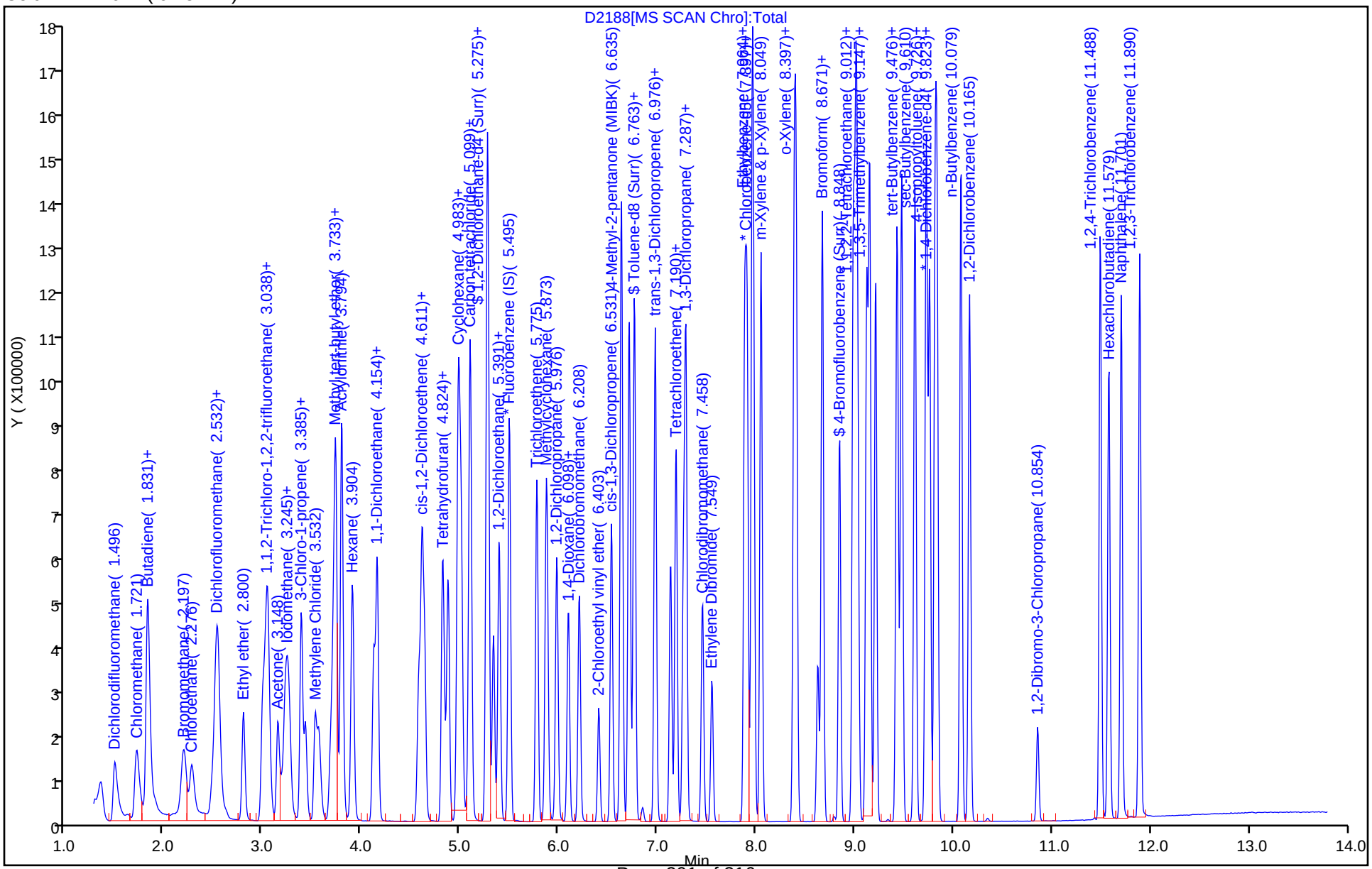
Report Date: 27-Jan-2020 11:07:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2188.D

Injection Date:	20-Jan-2020 16:41:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2189.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Jan-2020 17:04:30 ALS Bottle#: 10 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0087606-013
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:07:15 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:32:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	154003	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	85	330171	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.817	0.000	94	360647	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.013	5.007	0.006	93	248172	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.275	5.275	0.000	94	128989	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	93	775299	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	270095	25.0	24.3	
10 Dichlorodifluoromethane	85	1.496	1.496	0.000	99	529349	50.0	49.4	M
12 Chloromethane	50	1.721	1.715	0.006	99	612518	50.0	44.8	
144 Butadiene	54	1.831	1.831	0.000	93	480324	50.0	44.9	
13 Vinyl chloride	62	1.837	1.837	0.000	98	556197	50.0	50.0	
14 Bromomethane	94	2.197	2.197	0.000	91	359895	50.0	45.1	
15 Chloroethane	64	2.276	2.276	0.000	98	299262	50.0	45.3	
16 Dichlorofluoromethane	67	2.532	2.526	0.006	97	788229	50.0	48.4	
17 Trichlorofluoromethane	101	2.538	2.532	0.006	98	678816	50.0	49.4	
18 Ethyl ether	59	2.800	2.800	0.000	96	338350	50.0	49.5	
20 Acrolein	56	2.995	2.995	0.000	99	356141	250.0	240.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.032	3.032	0.000	94	424036	50.0	53.8	
22 1,1-Dichloroethene	96	3.050	3.044	0.006	97	383273	50.0	50.3	
23 Acetone	43	3.154	3.148	0.006	98	654519	250.0	228.9	
25 Iodomethane	142	3.227	3.221	0.006	99	902330	50.0	49.8	
26 Carbon disulfide	76	3.264	3.257	0.007	100	1314824	50.0	49.9	
28 3-Chloro-1-propene	41	3.386	3.385	0.001	88	670148	50.0	49.8	
27 Methyl acetate	43	3.428	3.428	0.000	99	586373	100.0	93.0	
30 Methylene Chloride	84	3.562	3.532	0.030	98	448796	50.0	50.6	
31 2-Methyl-2-propanol	59	3.684	3.684	0.000	99	483398	500.0	504.5	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	99	1136722	50.0	50.5	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	96	440819	50.0	50.1	
33 Acrylonitrile	53	3.800	3.794	0.006	97	1401655	500.0	488.2	
35 Hexane	57	3.904	3.904	0.000	94	566912	50.0	51.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	97	792691	50.0	49.4	
37 Vinyl acetate	43	4.160	4.154	0.006	97	1806916	100.0	108.9	
44 2,2-Dichloropropane	77	4.580	4.580	0.000	95	460874	50.0	50.6	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	84	495171	50.0	50.0	
43 2-Butanone (MEK)	43	4.635	4.635	0.000	99	937853	250.0	228.2	
48 Chlorobromomethane	128	4.818	4.818	0.000	94	286490	50.0	50.1	
49 Tetrahydrofuran	42	4.836	4.836	0.000	87	241538	100.0	100.9	
50 Chloroform	83	4.873	4.873	0.000	95	816852	50.0	47.6	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	99	709727	50.0	51.0	
52 Cyclohexane	56	4.983	4.983	0.000	94	689321	50.0	52.0	
55 Carbon tetrachloride	117	5.093	5.092	0.000	97	689712	50.0	51.8	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	93	583732	50.0	50.1	
53 Isobutyl alcohol	43	5.263	5.263	0.000	92	488998	1250.0	1202.5	
57 Benzene	78	5.282	5.281	0.001	98	1596094	50.0	49.4	
58 1,2-Dichloroethane	62	5.336	5.336	0.000	98	658588	50.0	48.0	
59 n-Heptane	43	5.391	5.391	0.000	95	571364	50.0	49.8	
62 Trichloroethene	95	5.775	5.775	0.000	96	482450	50.0	50.5	
64 Methylcyclohexane	83	5.873	5.873	0.000	96	664989	50.0	53.9	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	92	435378	50.0	50.4	
66 1,4-Dioxane	88	6.086	6.086	0.000	96	74301	1000.0	1048.0	
67 Dibromomethane	93	6.092	6.092	0.000	95	310375	50.0	50.2	
68 Dichlorobromomethane	83	6.208	6.208	0.000	98	638244	50.0	50.6	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	93	202096	50.0	48.1	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	93	713451	50.0	51.9	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	1912796	250.0	229.9	
74 Toluene	92	6.763	6.763	0.000	98	1037003	50.0	50.4	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	97	659052	50.0	52.6	
75 Ethyl methacrylate	69	6.982	6.982	0.000	91	450629	50.0	47.5	
79 1,1,2-Trichloroethane	83	7.135	7.129	0.006	92	313007	50.0	49.9	
81 Tetrachloroethene	166	7.190	7.190	0.000	96	518855	50.0	51.7	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	95	586877	50.0	49.6	
80 2-Hexanone	43	7.287	7.287	0.000	98	1360175	250.0	228.2	
83 Chlorodibromomethane	129	7.458	7.458	0.000	90	558527	50.0	51.9	
84 Ethylene Dibromide	107	7.549	7.549	0.000	98	437166	50.0	50.2	
87 Chlorobenzene	112	7.909	7.909	0.000	96	1262330	50.0	50.1	
88 Ethylbenzene	91	7.958	7.958	0.000	98	1920352	50.0	49.4	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	96	508287	50.0	51.9	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	98	775887	50.0	49.8	
91 o-Xylene	106	8.385	8.385	0.000	97	770742	50.0	49.8	
92 Styrene	104	8.409	8.409	0.000	96	1287315	50.0	50.2	
95 Bromoform	173	8.628	8.628	0.000	97	359295	50.0	52.3	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	1994068	50.0	51.9	
101 Bromobenzene	156	8.982	8.982	0.000	90	591914	50.0	51.0	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	96	491520	50.0	49.8	
99 N-Propylbenzene	91	9.012	9.012	0.000	99	2295315	50.0	50.2	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	78	153838	50.0	52.7	
100 1,2,3-Trichloropropane	110	9.037	9.031	0.006	87	137977	50.0	50.1	
103 2-Chlorotoluene	126	9.122	9.122	0.000	97	522249	50.0	50.9	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	1733527	50.0	51.4	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	543081	50.0	50.7	
106 tert-Butylbenzene	134	9.427	9.427	0.000	93	365581	50.0	52.8	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	98	1762125	50.0	51.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	2230345	50.0	52.3	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	1966608	50.0	52.2	
111 1,3-Dichlorobenzene	146	9.762	9.756	0.006	98	1084370	50.0	50.3	
113 1,4-Dichlorobenzene	146	9.835	9.835	0.000	95	1094974	50.0	49.4	
115 n-Butylbenzene	91	10.079	10.079	0.000	98	1745033	50.0	51.7	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	98	1084814	50.0	50.4	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	88	103244	50.0	53.0	
119 1,2,4-Trichlorobenzene	180	11.494	11.488	0.006	95	877248	50.0	52.8	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	419673	50.0	54.0	
121 Naphthalene	128	11.701	11.701	0.000	97	1971572	50.0	53.2	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	96	841737	50.0	53.4	
S 126 1,3-Dichloropropene, Total	1				0			104.4	
S 125 1,2-Dichloroethene, Total	1				0			100.0	
S 124 Xylenes, Total	1				0			99.6	
S 123 Total BTEX	1				0			248.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00177	Amount Added: 25.00	Units: uL	
GAS CORP mix_00379	Amount Added: 25.00	Units: uL	
D 8260 IS/SUR_00008	Amount Added: 1.00	Units: uL	Run Reagent

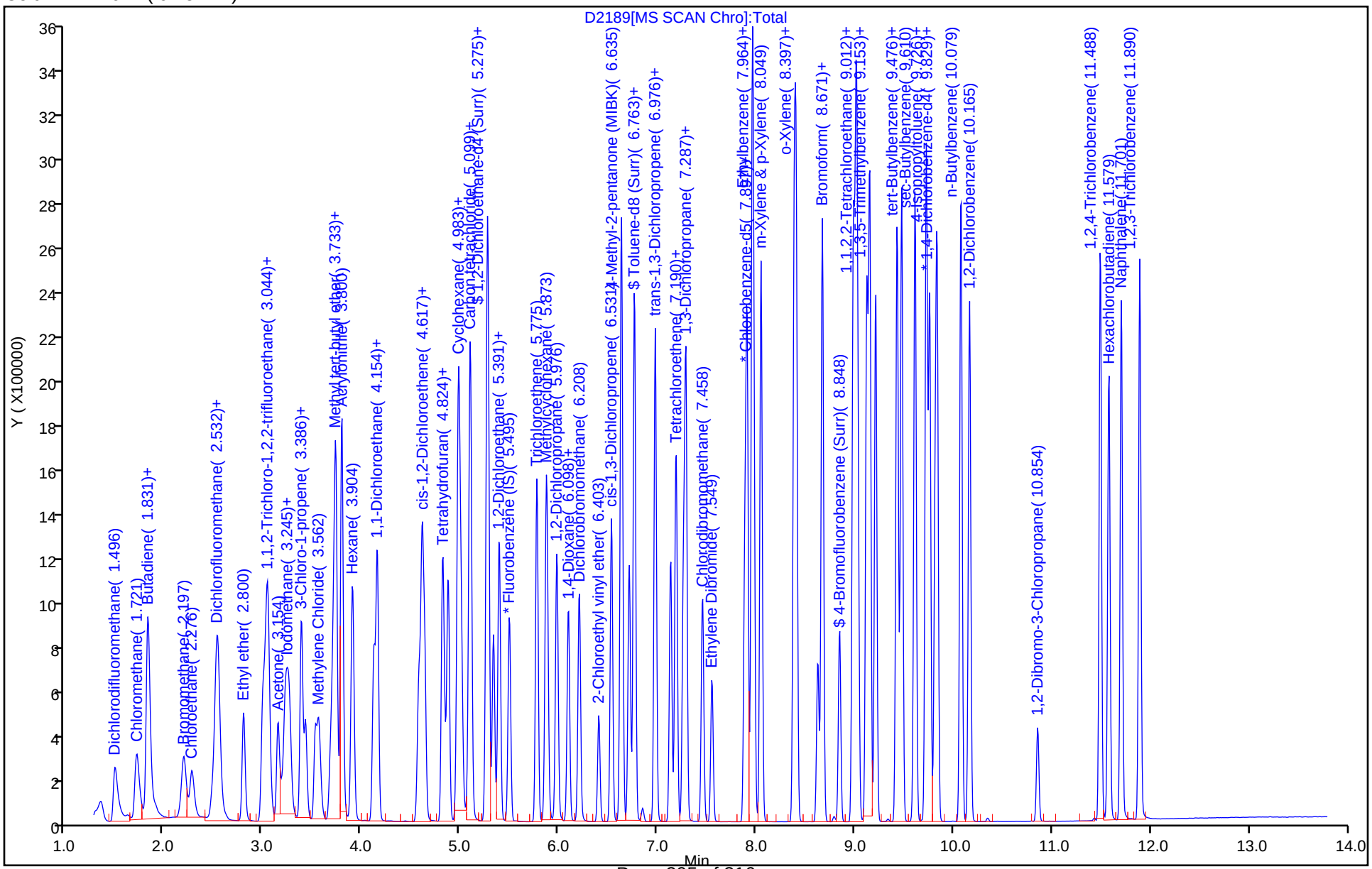
Report Date: 27-Jan-2020 11:07:18 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2189.D

Injection Date:	20-Jan-2020 17:04:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo

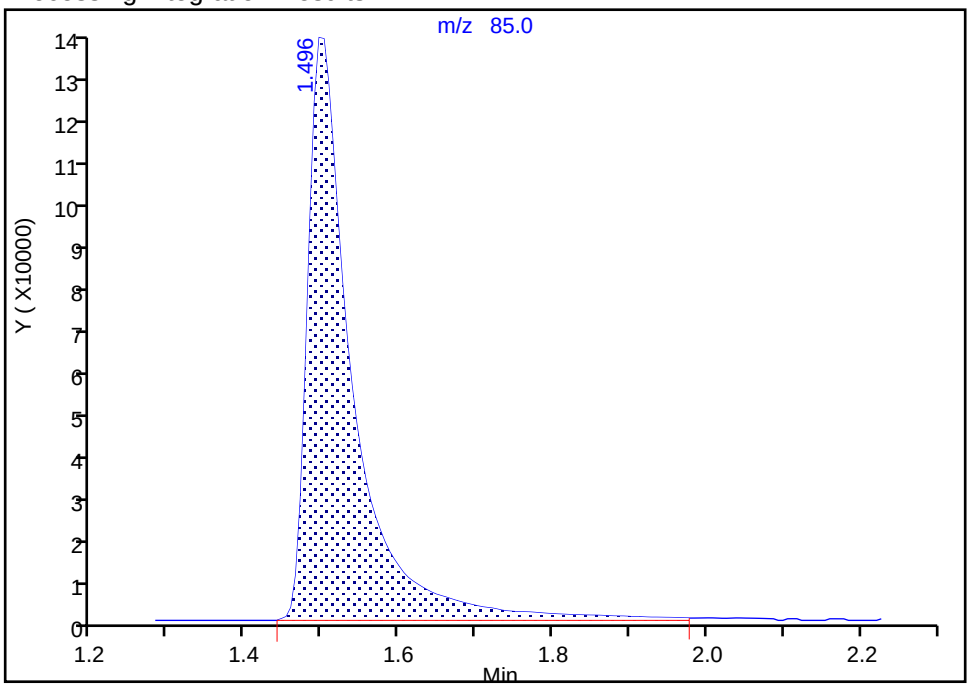
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2189.D
Injection Date: 20-Jan-2020 17:04:30 Instrument ID: HP5975D
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

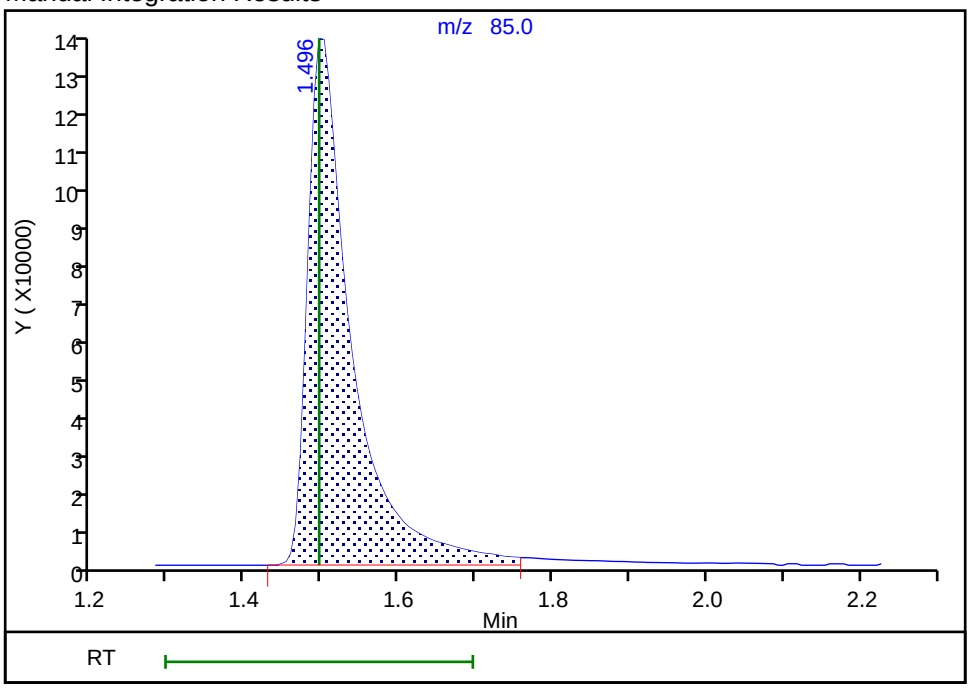
Processing Integration Results

RT: 1.50
Area: 544646
Amount: 52.467387
Amount Units: ug/L



Manual Integration Results

RT: 1.50
Area: 529349
Amount: 49.364822
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 11:21:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2190.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 20-Jan-2020 17:27:30 ALS Bottle#: 11 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0087606-014
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:07:28 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:32:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	155081	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	330458	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.817	0.000	95	365779	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.007	5.007	0.000	93	246129	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.276	5.275	0.001	93	129235	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	93	770625	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	279083	25.0	25.1	
10 Dichlorodifluoromethane	85	1.496	1.496	0.000	99	975336	100.0	90.3	
12 Chloromethane	50	1.715	1.715	0.000	99	1189448	100.0	86.4	
144 Butadiene	54	1.831	1.831	0.000	93	889301	100.0	82.6	
13 Vinyl chloride	62	1.831	1.837	-0.006	98	1065567	100.0	95.1	
14 Bromomethane	94	2.197	2.197	0.000	91	771487	100.0	96.0	
15 Chloroethane	64	2.282	2.276	0.006	99	578649	100.0	86.9	
16 Dichlorofluoromethane	67	2.532	2.526	0.006	97	1529473	100.0	93.3	
17 Trichlorofluoromethane	101	2.538	2.532	0.006	99	1243231	100.0	89.8	
18 Ethyl ether	59	2.800	2.800	0.000	97	663067	100.0	96.4	
20 Acrolein	56	2.996	2.995	0.001	99	709122	500.0	474.9	
21 1,1,2-Trichloro-1,2,2-trif	101	3.032	3.032	0.000	94	764566	100.0	96.4	
22 1,1-Dichloroethene	96	3.050	3.044	0.006	97	727346	100.0	94.9	
23 Acetone	43	3.148	3.148	0.000	98	1269809	500.0	440.9	
25 Iodomethane	142	3.227	3.221	0.006	99	1742026	100.0	95.5	
26 Carbon disulfide	76	3.264	3.257	0.007	100	2488813	100.0	93.9	
28 3-Chloro-1-propene	41	3.386	3.385	0.001	88	1240243	100.0	91.5	
27 Methyl acetate	43	3.428	3.428	0.000	99	1165686	200.0	183.7	
30 Methylene Chloride	84	3.562	3.532	0.030	97	863751	100.0	97.4	
31 2-Methyl-2-propanol	59	3.684	3.684	0.000	98	948823	1000.0	983.4	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	99	2206798	100.0	97.3	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	97	857070	100.0	96.7	
33 Acrylonitrile	53	3.794	3.794	0.000	97	2748808	1000.0	950.8	
35 Hexane	57	3.904	3.904	0.000	95	1020898	100.0	91.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	97	1534228	100.0	95.0	
37 Vinyl acetate	43	4.154	4.154	0.000	97	3589976	200.0	214.9	
44 2,2-Dichloropropane	77	4.581	4.580	0.001	94	848902	100.0	92.6	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	83	958080	100.0	96.0	
43 2-Butanone (MEK)	43	4.635	4.635	0.000	99	1846264	500.0	446.2	
48 Chlorobromomethane	128	4.818	4.818	0.000	98	562556	100.0	97.7	
49 Tetrahydrofuran	42	4.837	4.836	0.001	87	468053	200.0	195.8	
50 Chloroform	83	4.873	4.873	0.000	94	1582073	100.0	91.5	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	99	1350130	100.0	96.4	
52 Cyclohexane	56	4.983	4.983	0.000	94	1246391	100.0	93.5	
55 Carbon tetrachloride	117	5.093	5.092	0.001	97	1319463	100.0	98.3	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	94	1119531	100.0	95.5	
53 Isobutyl alcohol	43	5.263	5.263	0.000	92	948717	2500.0	2316.7	
57 Benzene	78	5.282	5.281	0.001	98	3089886	100.0	95.0	
58 1,2-Dichloroethane	62	5.337	5.336	0.001	98	1258030	100.0	91.1	
59 n-Heptane	43	5.391	5.391	0.000	95	1030775	100.0	89.2	
62 Trichloroethene	95	5.775	5.775	0.000	96	925595	100.0	96.2	
64 Methylcyclohexane	83	5.873	5.873	0.000	94	1199699	100.0	96.6	
65 1,2-Dichloropropane	63	5.977	5.976	0.001	92	833648	100.0	95.9	
66 1,4-Dioxane	88	6.086	6.086	0.000	98	145366	2000.0	2048.5	
67 Dibromomethane	93	6.092	6.092	0.000	95	599225	100.0	96.3	
68 Dichlorobromomethane	83	6.208	6.208	0.000	98	1244110	100.0	98.0	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	93	429429	100.0	101.6	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	93	1380399	100.0	99.6	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	3742026	500.0	449.3	
74 Toluene	92	6.763	6.763	0.000	98	2002824	100.0	97.2	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	97	1290419	100.0	102.8	
75 Ethyl methacrylate	69	6.983	6.982	0.001	91	898932	100.0	94.6	
79 1,1,2-Trichloroethane	83	7.135	7.129	0.006	92	609816	100.0	97.1	
81 Tetrachloroethene	166	7.190	7.190	0.000	96	990622	100.0	98.6	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	96	1143833	100.0	96.6	
80 2-Hexanone	43	7.287	7.287	0.000	98	2637762	500.0	442.2	
83 Chlorodibromomethane	129	7.458	7.458	0.000	90	1103230	100.0	102.5	
84 Ethylene Dibromide	107	7.550	7.549	0.001	98	858553	100.0	98.5	
87 Chlorobenzene	112	7.909	7.909	0.000	96	2440552	100.0	96.8	
88 Ethylbenzene	91	7.958	7.958	0.000	98	3770141	100.0	96.8	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	96	989494	100.0	101.0	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	98	1525793	100.0	97.8	
91 o-Xylene	106	8.385	8.385	0.000	97	1520709	100.0	98.2	
92 Styrene	104	8.409	8.409	0.000	96	2581868	100.0	100.5	
95 Bromoform	173	8.622	8.628	-0.006	97	729987	100.0	106.3	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	3874238	100.0	99.5	
101 Bromobenzene	156	8.982	8.982	0.000	90	1182729	100.0	100.5	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	96	974091	100.0	97.4	
99 N-Propylbenzene	91	9.013	9.012	0.001	99	4530631	100.0	97.7	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	79	312932	100.0	105.7	
100 1,2,3-Trichloropropane	110	9.037	9.031	0.006	86	276626	100.0	99.0	
103 2-Chlorotoluene	126	9.122	9.122	0.000	97	1032625	100.0	99.3	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	3400956	100.0	99.5	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	1071594	100.0	98.6	
106 tert-Butylbenzene	134	9.427	9.427	0.000	93	718054	100.0	102.3	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	98	3479341	100.0	99.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	4307417	100.0	99.6	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	3831785	100.0	100.4	
111 1,3-Dichlorobenzene	146	9.762	9.756	0.006	98	2143073	100.0	98.0	
113 1,4-Dichlorobenzene	146	9.836	9.835	0.001	95	2173108	100.0	96.7	
115 n-Butylbenzene	91	10.079	10.079	0.000	98	3388564	100.0	99.0	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	98	2135251	100.0	97.7	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	88	203368	100.0	103.0	
119 1,2,4-Trichlorobenzene	180	11.488	11.488	0.000	95	1696714	100.0	100.6	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	801817	100.0	101.6	
121 Naphthalene	128	11.701	11.701	0.000	97	3837363	100.0	102.0	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	96	1608745	100.0	100.7	
S 126 1,3-Dichloropropene, Total	1				0			202.5	
S 125 1,2-Dichloroethene, Total	1				0			192.7	
S 124 Xylenes, Total	1				0			196.0	
S 123 Total BTEX	1				0			485.0	

Reagents:

8260 CORP mix_00177	Amount Added:	50.00	Units: uL	
GAS CORP mix_00379	Amount Added:	50.00	Units: uL	
D 8260 IS/SUR_00008	Amount Added:	1.00	Units: uL	Run Reagent

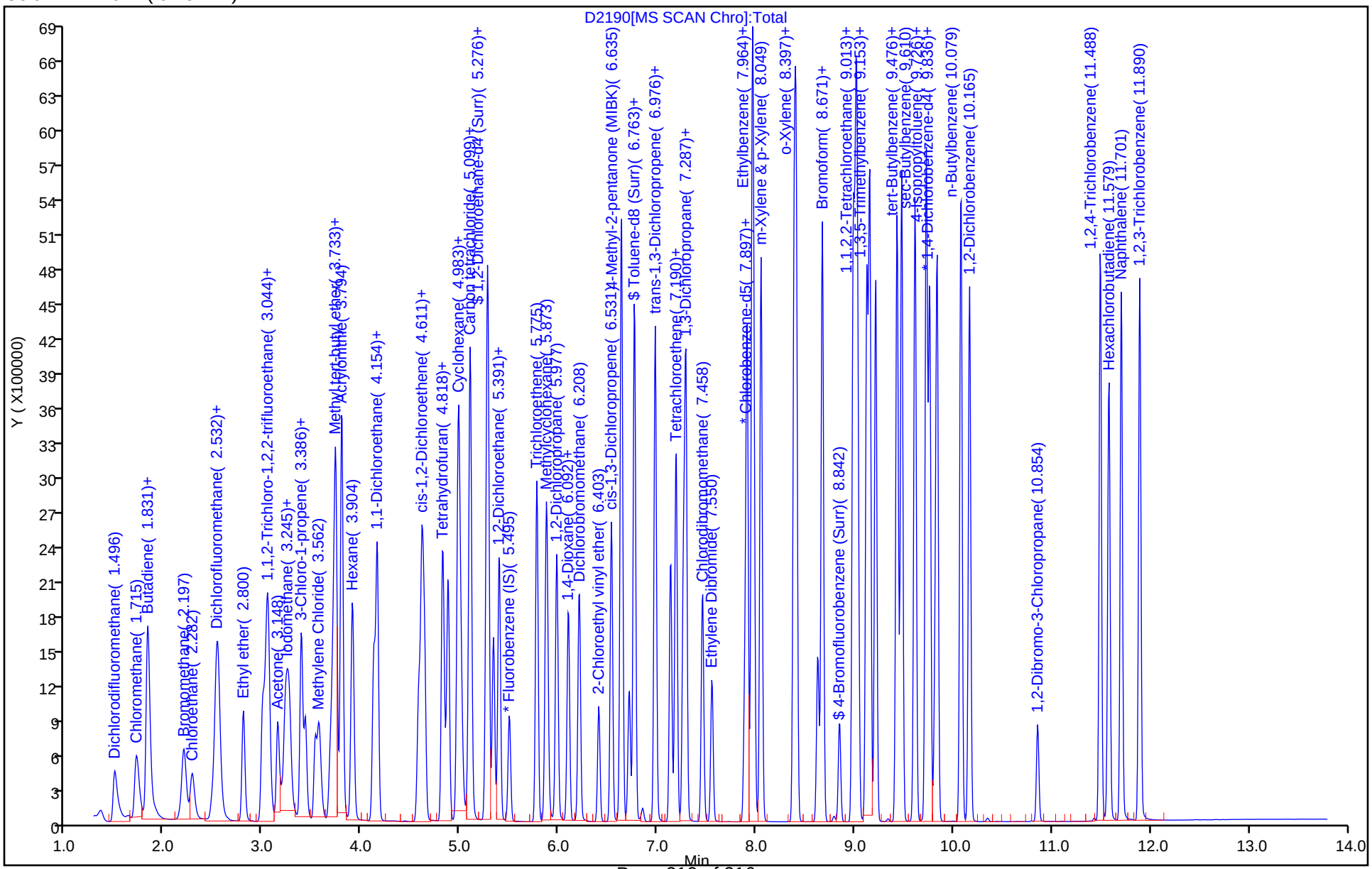
Report Date: 27-Jan-2020 11:07:32 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2190.D

Injection Date:	20-Jan-2020 17:27:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab Sample ID: ICV 480-514164/27 Calibration Date: 01/21/2020 02:27

Instrument ID: HP5973N Calib Start Date: 01/20/2020 17:59

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 20:49

Lab File ID: N0823.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.330	1.449	0.1000	27.3	25.0	9.0	50.0
Chloromethane	Ave	2.272	2.536	0.1000	27.9	25.0	11.6	30.0
Butadiene	Ave	2.164	2.345		27.1	25.0	8.3	30.0
Vinyl chloride	Ave	1.729	1.852	0.1000	26.8	25.0	7.1	30.0
Bromomethane	Ave	1.056	1.140	0.1000	27.0	25.0	7.9	50.0
Chloroethane	Ave	1.128	1.144	0.1000	25.4	25.0	1.5	50.0
Dichlorofluoromethane	Ave	2.507	2.586		25.8	25.0	3.2	30.0
Trichlorofluoromethane	Ave	2.178	2.351	0.1000	27.0	25.0	8.0	30.0
Ethyl ether	Ave	1.561	1.676		26.8	25.0	7.3	30.0
Acrolein	Ave	0.4288	0.4387		128	125	2.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.179	1.314	0.1000	27.9	25.0	11.5	30.0
1,1-Dichloroethene	Ave	1.190	1.343	0.1000	28.2	25.0	12.8	30.0
Acetone	Ave	0.6547	0.6586	0.1000	126	125	0.6	50.0
Iodomethane	Ave	2.373	2.575		27.1	25.0	8.5	30.0
Carbon disulfide	Ave	4.145	4.565	0.1000	27.5	25.0	10.1	30.0
Allyl chloride	Ave	3.349	3.625		27.1	25.0	8.3	30.0
Methyl acetate	Ave	1.761	1.829	0.1000	51.9	50.0	3.9	50.0
Methylene Chloride	Lin1		1.591	0.1000	28.2	25.0	12.9	30.0
2-Methyl-2-propanol	Ave	0.1625	0.1611		248	250	-0.8	50.0
Methyl tert-butyl ether	Ave	3.933	4.397	0.1000	28.0	25.0	11.8	30.0
trans-1,2-Dichloroethene	Ave	1.425	1.573	0.1000	27.6	25.0	10.4	30.0
Acrylonitrile	Ave	0.8163	0.8846		271	250	8.4	30.0
Hexane	Ave	2.467	2.541		25.7	25.0	3.0	30.0
1,1-Dichloroethane	Ave	2.987	3.167	0.2000	26.5	25.0	6.0	30.0
Vinyl acetate	Ave	4.677	4.545		48.6	50.0	-2.8	30.0
2,2-Dichloropropane	Ave	1.517	1.456		24.0	25.0	-4.0	30.0
cis-1,2-Dichloroethene	Ave	1.475	1.647	0.1000	27.9	25.0	11.7	30.0
2-Butanone (MEK)	Ave	1.049	1.063	0.1000	127	125	1.3	30.0
Chlorobromomethane	Ave	0.7846	0.8567		27.3	25.0	9.2	30.0
Tetrahydrofuran	Ave	0.7047	0.7510		53.3	50.0	6.6	30.0
Chloroform	Ave	2.527	2.684	0.2000	26.6	25.0	6.2	30.0
1,1,1-Trichloroethane	Ave	2.137	2.377	0.1000	27.8	25.0	11.3	30.0
Cyclohexane	Ave	2.996	3.464	0.1000	28.9	25.0	15.6	30.0
Carbon tetrachloride	Ave	1.821	2.132	0.1000	29.3	25.0	17.1	30.0
1,1-Dichloropropene	Ave	1.805	1.872		25.9	25.0	3.7	30.0
Benzene	Ave	5.319	5.537	0.5000	26.0	25.0	4.1	30.0
Isobutyl alcohol	Ave	0.0774	0.0781		631	625	0.9	50.0
1,2-Dichloroethane	Ave	2.560	2.557	0.1000	25.0	25.0	-0.1	30.0
n-Heptane	Ave	2.678	2.631		24.6	25.0	-1.8	30.0
Trichloroethene	Ave	1.409	1.506	0.2000	26.7	25.0	6.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab Sample ID: ICV 480-514164/27 Calibration Date: 01/21/2020 02:27

Instrument ID: HP5973N Calib Start Date: 01/20/2020 17:59

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 20:49

Lab File ID: N0823.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.247	2.539	0.1000	28.2	25.0	13.0	30.0
1,2-Dichloropropane	Ave	1.531	1.563	0.1000	25.5	25.0	2.1	30.0
Dibromomethane	Ave	0.8495	0.9170	0.1000	27.0	25.0	8.0	30.0
1,4-Dioxane	Ave	0.0019	0.0015		400	500	-20.0	50.0
Bromodichloromethane	Ave	1.766	1.935	0.2000	27.4	25.0	9.6	30.0
2-Chloroethyl vinyl ether	Ave	0.9559	0.9812		25.7	25.0	2.7	30.0
cis-1,3-Dichloropropene	Ave	1.934	1.994	0.2000	25.8	25.0	3.1	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2062	0.2126	0.1000	129	125	3.1	30.0
Toluene	Ave	0.8756	0.8912	0.4000	25.4	25.0	1.8	30.0
trans-1,3-Dichloropropene	Ave	0.4953	0.4856	0.1000	24.5	25.0	-2.0	30.0
Ethyl methacrylate	Ave	0.4364	0.4202		24.1	25.0	-3.7	30.0
1,1,2-Trichloroethane	Ave	0.2715	0.2568	0.1000	23.6	25.0	-5.4	30.0
Tetrachloroethene	Ave	0.4045	0.4056	0.2000	25.1	25.0	0.3	30.0
1,3-Dichloropropane	Ave	0.5229	0.5041		24.1	25.0	-3.6	30.0
2-Hexanone	Ave	0.4019	0.4073	0.1000	127	125	1.3	30.0
Dibromochloromethane	Ave	0.3418	0.3779	0.1000	27.6	25.0	10.6	30.0
1,2-Dibromoethane	Ave	0.3322	0.3364		25.3	25.0	1.3	30.0
Chlorobenzene	Ave	1.015	0.9897	0.5000	24.4	25.0	-2.5	30.0
Ethylbenzene	Ave	1.652	1.695	0.1000	25.7	25.0	2.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3699	0.4113		27.8	25.0	11.2	30.0
m,p-Xylene	Ave	0.6473	0.6590	0.1000	25.5	25.0	1.8	30.0
o-Xylene	Ave	0.6488	0.6734	0.3000	25.9	25.0	3.8	30.0
Styrene	Ave	1.030	1.070	0.3000	26.0	25.0	3.9	30.0
Bromoform	Ave	0.2313	0.2416	0.1000	26.1	25.0	4.5	50.0
Isopropylbenzene	Ave	2.995	3.206	0.1000	26.8	25.0	7.0	30.0
Bromobenzene	Ave	0.7838	0.7894		25.2	25.0	0.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8229	0.8431	0.3000	25.6	25.0	2.5	30.0
N-Propylbenzene	Ave	3.530	3.690		26.1	25.0	4.5	30.0
1,2,3-Trichloropropane	Ave	0.2633	0.2742		26.0	25.0	4.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2890	0.3365		29.1	25.0	16.4	50.0
2-Chlorotoluene	Ave	0.7342	0.7757		26.4	25.0	5.6	30.0
1,3,5-Trimethylbenzene	Ave	2.543	2.689		26.4	25.0	5.7	30.0
4-Chlorotoluene	Ave	2.246	2.240		24.9	25.0	-0.3	30.0
tert-Butylbenzene	Ave	0.5967	0.6102		25.6	25.0	2.3	30.0
1,2,4-Trimethylbenzene	Ave	2.615	2.755		26.3	25.0	5.3	30.0
sec-Butylbenzene	Ave	3.192	3.471		27.2	25.0	8.7	30.0
1,3-Dichlorobenzene	Ave	1.513	1.594	0.6000	26.3	25.0	5.3	30.0
4-Isopropyltoluene	Ave	2.937	3.281		27.9	25.0	11.7	30.0
1,4-Dichlorobenzene	Ave	1.602	1.607	0.5000	25.1	25.0	0.3	30.0
n-Butylbenzene	Ave	2.481	2.661		26.8	25.0	7.3	30.0
1,2-Dichlorobenzene	Ave	1.566	1.638	0.4000	26.1	25.0	4.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab Sample ID: ICV 480-514164/27 Calibration Date: 01/21/2020 02:27

Instrument ID: HP5973N Calib Start Date: 01/20/2020 17:59

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 20:49

Lab File ID: N0823.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1477	0.1590	0.0500	26.9	25.0	7.6	50.0
1,2,4-Trichlorobenzene	Ave	1.023	1.095	0.2000	26.8	25.0	7.0	30.0
Hexachlorobutadiene	Ave	0.4998	0.5315		26.6	25.0	6.3	30.0
Naphthalene	Ave	2.569	2.910		28.3	25.0	13.3	30.0
1,2,3-Trichlorobenzene	Ave	0.9211	1.007		27.3	25.0	9.4	30.0
Dibromofluoromethane (Surr)	Ave	1.300	1.394		26.8	25.0	7.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.814	1.946		26.8	25.0	7.3	30.0
Toluene-d8 (Surr)	Ave	1.270	1.278		25.2	25.0	0.6	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4208	0.4229		25.1	25.0	0.5	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0823.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-Jan-2020 02:27:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0087605-027
Operator ID: LH Instrument ID: HP5973N
Sublist:

Method: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Jan-2020 10:06:01 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: moffata Date: 21-Jan-2020 08:47:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	98	165918	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.360	8.360	0.000	91	623690	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	95	346822	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	93	231346	25.0	26.8	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	63	322927	25.0	26.8	
$ 6 Toluene-d8 (Surr)	98	6.875	6.876	-0.001	96	796806	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	90	263767	25.0	25.1	
11 Dichlorodifluoromethane	85	1.260	1.260	0.000	97	240469	25.0	27.3	
13 Chloromethane	50	1.437	1.431	0.006	100	420792	25.0	27.9	
144 Butadiene	54	1.522	1.522	0.000	94	389011	25.0	27.1	
14 Vinyl chloride	62	1.522	1.522	0.000	58	307211	25.0	26.8	
15 Bromomethane	94	1.802	1.802	0.000	92	189081	25.0	27.0	
16 Chloroethane	64	1.893	1.887	0.006	96	189854	25.0	25.4	
17 Dichlorofluoromethane	67	2.106	2.112	-0.006	93	429044	25.0	25.8	
18 Trichlorofluoromethane	101	2.112	2.112	0.000	68	390145	25.0	27.0	
19 Ethyl ether	59	2.392	2.392	0.000	96	278010	25.0	26.8	
20 Acrolein	56	2.574	2.568	0.006	98	363954	125.0	127.9	
22 1,1-Dichloroethene	96	2.605	2.599	0.006	91	222900	25.0	28.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.599	2.605	-0.006	66	218017	25.0	27.9	
23 Acetone	43	2.726	2.727	-0.001	97	546370	125.0	125.7	
24 Iodomethane	142	2.763	2.763	0.000	99	427212	25.0	27.1	
25 Carbon disulfide	76	2.799	2.794	0.005	98	757462	25.0	27.5	
27 3-Chloro-1-propene	41	2.976	2.970	0.006	83	601442	25.0	27.1	
28 Methyl acetate	43	3.025	3.025	0.000	100	606817	50.0	51.9	
30 Methylene Chloride	84	3.122	3.122	0.000	92	263928	25.0	28.2	
31 2-Methyl-2-propanol	59	3.298	3.292	0.006	97	267348	250.0	248.0	
32 Methyl tert-butyl ether	73	3.329	3.329	0.000	97	729623	25.0	28.0	
33 trans-1,2-Dichloroethene	96	3.347	3.341	0.006	91	260924	25.0	27.6	
34 Acrylonitrile	53	3.408	3.402	0.006	96	1467783	250.0	270.9	
35 Hexane	57	3.536	3.536	0.000	95	421550	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.761	3.761	0.000	97	525437	25.0	26.5	
39 Vinyl acetate	43	3.815	3.816	-0.001	97	1508239	50.0	48.6	
42 2,2-Dichloropropane	77	4.278	4.278	0.000	84	241655	25.0	24.0	
43 cis-1,2-Dichloroethene	96	4.314	4.314	0.000	88	273243	25.0	27.9	
44 2-Butanone (MEK)	43	4.351	4.351	0.000	97	881639	125.0	126.6	
47 Chlorobromomethane	128	4.552	4.552	0.000	88	142145	25.0	27.3	
49 Tetrahydrofuran	42	4.570	4.564	0.006	92	249219	50.0	53.3	
50 Chloroform	83	4.631	4.631	0.000	97	445378	25.0	26.6	
51 1,1,1-Trichloroethane	97	4.740	4.740	0.000	96	394433	25.0	27.8	
52 Cyclohexane	56	4.746	4.740	0.006	96	574727	25.0	28.9	
53 Carbon tetrachloride	117	4.874	4.874	0.000	94	353708	25.0	29.3	
54 1,1-Dichloropropene	75	4.886	4.886	0.000	83	310580	25.0	25.9	
55 Benzene	78	5.093	5.093	0.000	92	918677	25.0	26.0	
56 Isobutyl alcohol	43	5.123	5.124	-0.001	94	323736	625.0	630.5	
57 1,2-Dichloroethane	62	5.166	5.166	0.000	96	424223	25.0	25.0	
59 n-Heptane	43	5.276	5.270	0.006	97	436493	25.0	24.6	
60 Trichloroethene	95	5.707	5.701	0.006	92	249906	25.0	26.7	
62 Methylcyclohexane	83	5.817	5.817	0.000	96	421317	25.0	28.2	
63 1,2-Dichloropropane	63	5.951	5.951	0.000	86	259406	25.0	25.5	
64 Dibromomethane	93	6.085	6.085	0.000	93	152151	25.0	27.0	
66 1,4-Dioxane	88	6.091	6.091	0.000	33	19225	500.0	400.1	
67 Dichlorobromomethane	83	6.243	6.237	0.006	95	321038	25.0	27.4	
69 2-Chloroethyl vinyl ether	63	6.517	6.517	0.000	89	162799	25.0	25.7	
71 cis-1,3-Dichloropropene	75	6.656	6.657	-0.001	82	330817	25.0	25.8	
72 4-Methyl-2-pentanone (MIBK	58	6.802	6.803	-0.001	99	662870	125.0	128.8	
73 Toluene	92	6.942	6.943	0.000	97	555841	25.0	25.4	
75 trans-1,3-Dichloropropene	75	7.228	7.228	0.000	91	302847	25.0	24.5	
77 Ethyl methacrylate	69	7.271	7.271	0.000	88	262077	25.0	24.1	
78 1,1,2-Trichloroethane	83	7.417	7.417	0.000	95	160132	25.0	23.6	
79 Tetrachloroethene	166	7.472	7.472	0.000	93	252944	25.0	25.1	
80 1,3-Dichloropropane	76	7.575	7.575	0.000	89	314414	25.0	24.1	
82 2-Hexanone	43	7.642	7.642	0.000	98	1270079	125.0	126.7	
83 Chlorodibromomethane	129	7.812	7.812	0.000	88	235677	25.0	27.6	
84 Ethylene Dibromide	107	7.916	7.916	0.000	96	209805	25.0	25.3	
85 Chlorobenzene	112	8.390	8.390	0.000	91	617265	25.0	24.4	
88 Ethylbenzene	91	8.482	8.482	0.000	98	1057217	25.0	25.7	
89 1,1,1,2-Tetrachloroethane	131	8.488	8.488	0.000	91	256523	25.0	27.8	
90 m-Xylene & p-Xylene	106	8.603	8.609	-0.006	98	411033	25.0	25.5	
91 o-Xylene	106	9.029	9.029	0.000	98	419984	25.0	25.9	
92 Styrene	104	9.066	9.066	0.000	93	667492	25.0	26.0	
93 Bromoform	173	9.315	9.315	0.000	95	150686	25.0	26.1	
95 Isopropylbenzene	105	9.418	9.419	-0.001	97	1111739	25.0	26.8	
97 Bromobenzene	156	9.765	9.765	0.000	88	273792	25.0	25.2	
98 1,1,2,2-Tetrachloroethane	83	9.832	9.832	0.000	95	292410	25.0	25.6	
100 N-Propylbenzene	91	9.850	9.850	0.000	98	1279751	25.0	26.1	
99 1,2,3-Trichloropropane	110	9.863	9.863	0.000	93	95095	25.0	26.0	
101 trans-1,4-Dichloro-2-buten	53	9.881	9.875	0.006	76	116690	25.0	29.1	
102 2-Chlorotoluene	126	9.954	9.954	0.000	95	269012	25.0	26.4	
104 1,3,5-Trimethylbenzene	105	10.027	10.027	0.000	95	932640	25.0	26.4	
105 4-Chlorotoluene	91	10.069	10.069	0.000	98	776727	25.0	24.9	
106 tert-Butylbenzene	134	10.349	10.349	0.000	95	211629	25.0	25.6	
108 1,2,4-Trimethylbenzene	105	10.404	10.404	0.000	98	955352	25.0	26.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.562	10.562	0.000	95	1203694	25.0	27.2	
110 1,3-Dichlorobenzene	146	10.696	10.696	0.000	97	552748	25.0	26.3	
111 4-Isopropyltoluene	119	10.702	10.702	0.000	98	1137899	25.0	27.9	
113 1,4-Dichlorobenzene	146	10.787	10.781	0.006	94	557203	25.0	25.1	
115 n-Butylbenzene	91	11.085	11.085	0.000	98	922869	25.0	26.8	
116 1,2-Dichlorobenzene	146	11.140	11.140	0.000	96	568124	25.0	26.1	
117 1,2-Dibromo-3-Chloropropan	75	11.876	11.870	0.006	76	55134	25.0	26.9	
119 1,2,4-Trichlorobenzene	180	12.545	12.545	0.000	95	379713	25.0	26.8	
120 Hexachlorobutadiene	225	12.655	12.655	0.000	96	184342	25.0	26.6	
121 Naphthalene	128	12.764	12.764	0.000	98	1009195	25.0	28.3	
122 1,2,3-Trichlorobenzene	180	12.965	12.965	0.000	95	349345	25.0	27.3	

Reagents:

SS 8260 CORP_00081	Amount Added: 12.50	Units: uL	
SS GAS CORP_00332	Amount Added: 12.50	Units: uL	
N_8260_Surr_00392	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00182	Amount Added: 1.00	Units: uL	Run Reagent

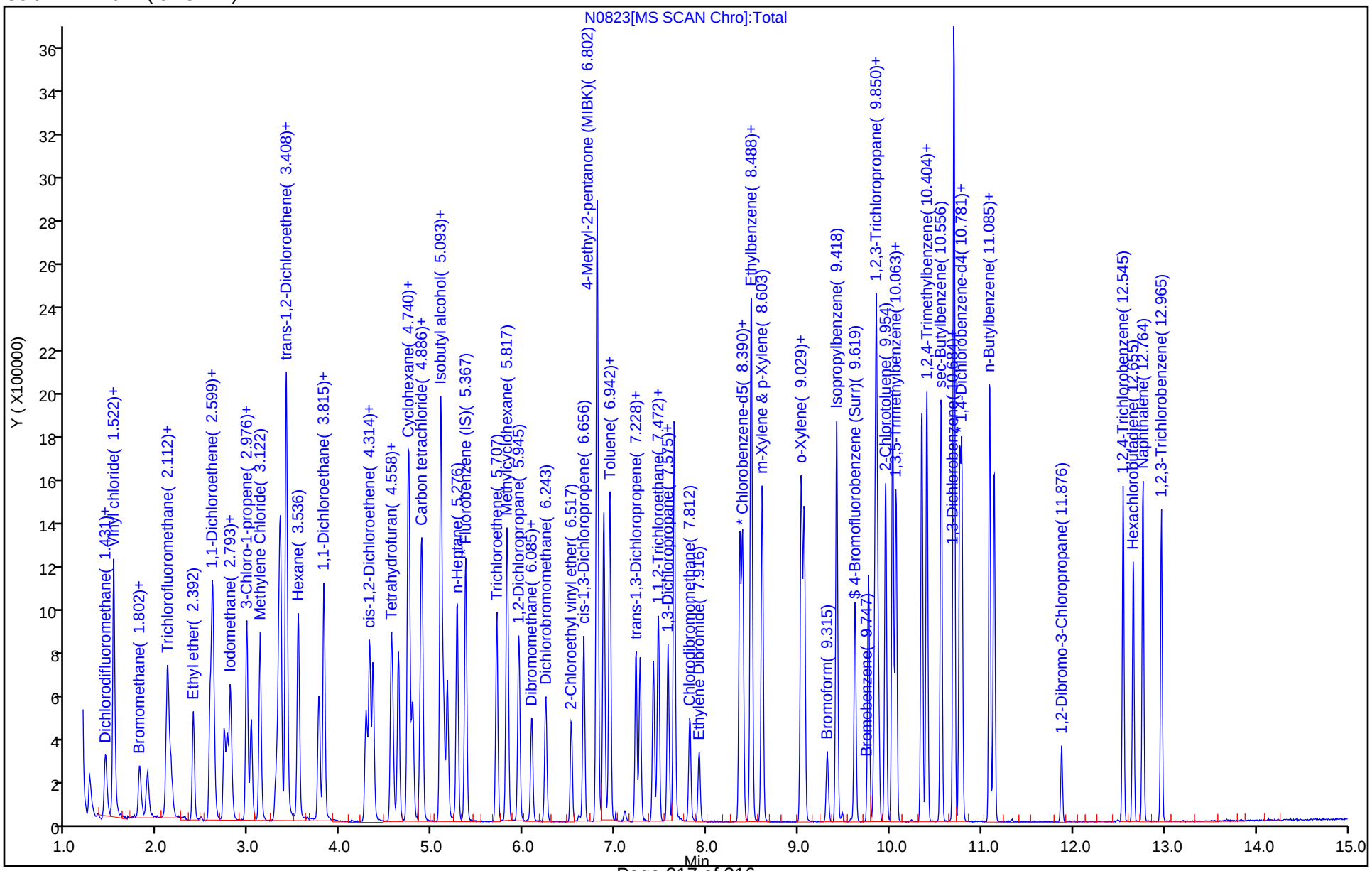
Report Date: 21-Jan-2020 10:12:58 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0823.D

Injection Date:	21-Jan-2020 02:27:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	ICV			Worklist Smp#:	27
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab Sample ID: CCVIS 480-517279/4 Calibration Date: 02/12/2020 20:35

Instrument ID: HP5973N Calib Start Date: 01/20/2020 17:59

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 20:49

Lab File ID: N1587.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.330	1.441	0.1000	27.1	25.0	8.4	50.0
Chloromethane	Ave	2.272	2.389	0.1000	26.3	25.0	5.1	20.0
Butadiene	Ave	2.164	2.327		26.9	25.0	7.5	20.0
Vinyl chloride	Ave	1.729	1.751	0.1000	25.3	25.0	1.3	20.0
Bromomethane	Ave	1.056	0.9575	0.1000	22.7	25.0	-9.3	50.0
Chloroethane	Ave	1.128	1.051	0.1000	23.3	25.0	-6.8	50.0
Dichlorofluoromethane	Ave	2.507	2.276		22.7	25.0	-9.2	20.0
Trichlorofluoromethane	Ave	2.178	2.056	0.1000	23.6	25.0	-5.6	20.0
Ethyl ether	Ave	1.561	1.600		25.6	25.0	2.4	20.0
Acrolein	Ave	0.4288	0.3001		87.5	125	-30.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.179	1.080	0.1000	22.9	25.0	-8.4	20.0
1,1-Dichloroethene	Ave	1.190	1.019	0.1000	21.4	25.0	-14.4	20.0
Acetone	Ave	0.6547	0.8242	0.1000	157	125	25.9	50.0
Iodomethane	Ave	2.373	1.951		20.6	25.0	-17.8	20.0
Carbon disulfide	Ave	4.145	3.250	0.1000	19.6	25.0	-21.6*	20.0
Allyl chloride	Ave	3.349	3.047		22.7	25.0	-9.0	20.0
Methyl acetate	Ave	1.761	2.117	0.1000	60.1	50.0	20.2	50.0
Methylene Chloride	Lin1		1.368	0.1000	24.2	25.0	-3.3	20.0
2-Methyl-2-propanol	Ave	0.1625	0.2188		337	250	34.7	50.0
Methyl tert-butyl ether	Ave	3.933	3.738	0.1000	23.8	25.0	-4.9	20.0
trans-1,2-Dichloroethene	Ave	1.425	1.213	0.1000	21.3	25.0	-14.9	20.0
Acrylonitrile	Ave	0.8163	1.009		309	250	23.6*	20.0
Hexane	Ave	2.467	2.385		24.2	25.0	-3.3	20.0
1,1-Dichloroethane	Ave	2.987	2.657	0.2000	22.2	25.0	-11.1	20.0
Vinyl acetate	Ave	4.677	4.723		50.5	50.0	1.0	20.0
2,2-Dichloropropane	Ave	1.517	0.9833		16.2	25.0	-35.2*	20.0
cis-1,2-Dichloroethene	Ave	1.475	1.399	0.1000	23.7	25.0	-5.2	20.0
2-Butanone (MEK)	Ave	1.049	1.342	0.1000	160	125	27.9*	20.0
Chlorobromomethane	Ave	0.7846	0.7288		23.2	25.0	-7.1	20.0
Tetrahydrofuran	Ave	0.7047	0.8530		60.5	50.0	21.0*	20.0
Chloroform	Ave	2.527	2.307	0.2000	22.8	25.0	-8.7	20.0
1,1,1-Trichloroethane	Ave	2.137	1.801	0.1000	21.1	25.0	-15.7	20.0
Cyclohexane	Ave	2.996	2.916	0.1000	24.3	25.0	-2.6	20.0
Carbon tetrachloride	Ave	1.821	1.648	0.1000	22.6	25.0	-9.5	20.0
1,1-Dichloropropene	Ave	1.805	1.690		23.4	25.0	-6.4	20.0
Benzene	Ave	5.319	5.148	0.5000	24.2	25.0	-3.2	20.0
Isobutyl alcohol	Ave	0.0774	0.1153		931	625	49.0	50.0
1,2-Dichloroethane	Ave	2.560	2.366	0.1000	23.1	25.0	-7.6	20.0
n-Heptane	Ave	2.678	2.810		26.2	25.0	4.9	20.0
Trichloroethene	Ave	1.409	1.269	0.2000	22.5	25.0	-9.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab Sample ID: CCVIS 480-517279/4 Calibration Date: 02/12/2020 20:35

Instrument ID: HP5973N Calib Start Date: 01/20/2020 17:59

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 20:49

Lab File ID: N1587.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.247	2.134	0.1000	23.7	25.0	-5.1	20.0
1,2-Dichloropropane	Ave	1.531	1.584	0.1000	25.9	25.0	3.5	20.0
Dibromomethane	Ave	0.8495	0.8129	0.1000	23.9	25.0	-4.3	20.0
1,4-Dioxane	Ave	0.0019	0.0031		794	500	58.8*	50.0
Bromodichloromethane	Ave	1.766	1.677	0.2000	23.7	25.0	-5.0	20.0
2-Chloroethyl vinyl ether	Ave	0.9559	1.138		29.8	25.0	19.1	20.0
cis-1,3-Dichloropropene	Ave	1.934	1.990	0.2000	25.7	25.0	2.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2062	0.2540	0.1000	154	125	23.2*	20.0
Toluene	Ave	0.8756	0.8685	0.4000	24.8	25.0	-0.8	20.0
trans-1,3-Dichloropropene	Ave	0.4953	0.5184	0.1000	26.2	25.0	4.7	20.0
Ethyl methacrylate	Ave	0.4364	0.4990		28.6	25.0	14.3	20.0
1,1,2-Trichloroethane	Ave	0.2715	0.2773	0.1000	25.5	25.0	2.2	20.0
Tetrachloroethene	Ave	0.4045	0.3942	0.2000	24.4	25.0	-2.6	20.0
1,3-Dichloropropane	Ave	0.5229	0.5575		26.7	25.0	6.6	20.0
2-Hexanone	Ave	0.4019	0.5068	0.1000	158	125	26.1*	20.0
Dibromochloromethane	Ave	0.3418	0.3405	0.1000	24.9	25.0	-0.4	20.0
1,2-Dibromoethane	Ave	0.3322	0.3533		26.6	25.0	6.4	20.0
Chlorobenzene	Ave	1.015	0.9803	0.5000	24.2	25.0	-3.4	20.0
Ethylbenzene	Ave	1.652	1.577	0.1000	23.9	25.0	-4.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3699	0.3592		24.3	25.0	-2.9	20.0
m,p-Xylene	Ave	0.6473	0.6343	0.1000	24.5	25.0	-2.0	20.0
o-Xylene	Ave	0.6488	0.6165	0.3000	23.8	25.0	-5.0	20.0
Styrene	Ave	1.030	1.069	0.3000	26.0	25.0	3.8	20.0
Bromoform	Ave	0.2313	0.2201	0.1000	23.8	25.0	-4.8	50.0
Isopropylbenzene	Ave	2.995	2.950	0.1000	24.6	25.0	-1.5	20.0
Bromobenzene	Ave	0.7838	0.7950		25.4	25.0	1.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8229	0.8824	0.3000	26.8	25.0	7.2	20.0
N-Propylbenzene	Ave	3.530	3.433		24.3	25.0	-2.7	20.0
1,2,3-Trichloropropane	Ave	0.2633	0.2825		26.8	25.0	7.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2890	0.3074		26.6	25.0	6.4	50.0
2-Chlorotoluene	Ave	0.7342	0.7459		25.4	25.0	1.6	20.0
1,3,5-Trimethylbenzene	Ave	2.543	2.468		24.3	25.0	-3.0	20.0
4-Chlorotoluene	Ave	2.246	2.232		24.8	25.0	-0.6	20.0
tert-Butylbenzene	Ave	0.5967	0.5672		23.8	25.0	-4.9	20.0
1,2,4-Trimethylbenzene	Ave	2.615	2.503		23.9	25.0	-4.3	20.0
sec-Butylbenzene	Ave	3.192	3.110		24.4	25.0	-2.5	20.0
1,3-Dichlorobenzene	Ave	1.513	1.500	0.6000	24.8	25.0	-0.9	20.0
4-Isopropyltoluene	Ave	2.937	2.910		24.8	25.0	-0.9	20.0
1,4-Dichlorobenzene	Ave	1.602	1.496	0.5000	23.4	25.0	-6.6	20.0
n-Butylbenzene	Ave	2.481	2.307		23.2	25.0	-7.0	20.0
1,2-Dichlorobenzene	Ave	1.566	1.502	0.4000	24.0	25.0	-4.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab Sample ID: CCVIS 480-517279/4 Calibration Date: 02/12/2020 20:35

Instrument ID: HP5973N Calib Start Date: 01/20/2020 17:59

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 20:49

Lab File ID: N1587.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1477	0.1355	0.0500	22.9	25.0	-8.2	50.0
1,2,4-Trichlorobenzene	Ave	1.023	0.8858	0.2000	21.6	25.0	-13.4	20.0
Hexachlorobutadiene	Ave	0.4998	0.4301		21.5	25.0	-13.9	20.0
Naphthalene	Ave	2.569	2.317		22.6	25.0	-9.8	20.0
1,2,3-Trichlorobenzene	Ave	0.9211	0.7684		20.9	25.0	-16.6	20.0
Dibromofluoromethane (Surr)	Ave	1.300	1.243		23.9	25.0	-4.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.814	1.686		23.2	25.0	-7.1	20.0
Toluene-d8 (Surr)	Ave	1.270	1.304		25.7	25.0	2.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4208	0.4172		24.8	25.0	-0.8	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1587.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 12-Feb-2020 20:35:30 ALS Bottle#: 24 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0088134-004
Operator ID: AM Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Feb-2020 07:31:31 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 13-Feb-2020 07:31:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	98	209007	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.366	8.366	0.000	89	772782	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	95	415833	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	94	259721	25.0	23.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	83	352349	25.0	23.2	
$ 6 Toluene-d8 (Surr)	98	6.875	6.875	0.000	95	1007346	25.0	25.7	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	91	322430	25.0	24.8	
11 Dichlorodifluoromethane	85	1.254	1.254	0.000	98	301210	25.0	27.1	
13 Chloromethane	50	1.431	1.431	0.000	99	499278	25.0	26.3	
14 Vinyl chloride	62	1.522	1.522	0.000	57	365895	25.0	25.3	
144 Butadiene	54	1.522	1.522	0.000	95	486439	25.0	26.9	
15 Bromomethane	94	1.808	1.808	0.000	92	200132	25.0	22.7	
16 Chloroethane	64	1.899	1.899	0.000	98	219744	25.0	23.3	
18 Trichlorofluoromethane	101	2.112	2.112	0.000	67	429751	25.0	23.6	
17 Dichlorofluoromethane	67	2.112	2.112	0.000	96	475723	25.0	22.7	
19 Ethyl ether	59	2.392	2.392	0.000	95	334309	25.0	25.6	
20 Acrolein	56	2.568	2.568	0.000	100	313584	125.0	87.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.599	2.599	0.000	66	225628	25.0	22.9	
22 1,1-Dichloroethene	96	2.605	2.605	0.000	91	212949	25.0	21.4	
23 Acetone	43	2.733	2.733	0.000	98	861270	125.0	157.4	
24 Iodomethane	142	2.757	2.757	0.000	99	407840	25.0	20.6	
25 Carbon disulfide	76	2.793	2.793	0.000	98	679297	25.0	19.6	
27 3-Chloro-1-propene	41	2.976	2.976	0.000	87	636810	25.0	22.7	
28 Methyl acetate	43	3.025	3.025	0.000	100	884840	50.0	60.1	
30 Methylene Chloride	84	3.116	3.116	0.000	91	285921	25.0	24.2	
31 2-Methyl-2-propanol	59	3.298	3.298	0.000	99	457322	250.0	336.7	
32 Methyl tert-butyl ether	73	3.329	3.329	0.000	97	781333	25.0	23.8	
33 trans-1,2-Dichloroethene	96	3.341	3.341	0.000	90	253545	25.0	21.3	
34 Acrylonitrile	53	3.408	3.408	0.000	98	2108276	250.0	308.9	
35 Hexane	57	3.536	3.536	0.000	96	498497	25.0	24.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.761	3.761	0.000	98	555262	25.0	22.2	
39 Vinyl acetate	43	3.815	3.815	0.000	97	1974446	50.0	50.5	
42 2,2-Dichloropropane	77	4.284	4.284	0.000	86	205524	25.0	16.2	
43 cis-1,2-Dichloroethene	96	4.320	4.320	0.000	85	292351	25.0	23.7	
44 2-Butanone (MEK)	43	4.357	4.357	0.000	97	1402434	125.0	159.9	
47 Chlorobromomethane	128	4.551	4.551	0.000	89	152317	25.0	23.2	
49 Tetrahydrofuran	42	4.570	4.570	0.000	94	356562	50.0	60.5	
50 Chloroform	83	4.631	4.631	0.000	97	482104	25.0	22.8	
52 Cyclohexane	56	4.740	4.740	0.000	94	609555	25.0	24.3	
51 1,1,1-Trichloroethane	97	4.740	4.740	0.000	96	376473	25.0	21.1	
53 Carbon tetrachloride	117	4.874	4.874	0.000	95	344416	25.0	22.6	
54 1,1-Dichloropropene	75	4.892	4.892	0.000	86	353304	25.0	23.4	
55 Benzene	78	5.093	5.093	0.000	92	1075909	25.0	24.2	
56 Isobutyl alcohol	43	5.129	5.129	0.000	95	602339	625.0	931.3	
57 1,2-Dichloroethane	62	5.166	5.166	0.000	96	494494	25.0	23.1	
59 n-Heptane	43	5.275	5.275	0.000	96	587259	25.0	26.2	
60 Trichloroethene	95	5.707	5.707	0.000	93	265265	25.0	22.5	
62 Methylcyclohexane	83	5.823	5.823	0.000	97	445938	25.0	23.7	
63 1,2-Dichloropropane	63	5.951	5.951	0.000	90	331147	25.0	25.9	
64 Dibromomethane	93	6.091	6.091	0.000	92	169906	25.0	23.9	
66 1,4-Dioxane	88	6.103	6.103	0.000	37	47268	500.0	794.0	M
67 Dichlorobromomethane	83	6.243	6.243	0.000	96	350585	25.0	23.7	
69 2-Chloroethyl vinyl ether	63	6.523	6.523	0.000	88	237860	25.0	29.8	
71 cis-1,3-Dichloropropene	75	6.656	6.656	0.000	87	416007	25.0	25.7	
72 4-Methyl-2-pentanone (MIBK	58	6.802	6.802	0.000	98	981529	125.0	154.0	
73 Toluene	92	6.942	6.942	0.000	97	671171	25.0	24.8	
75 trans-1,3-Dichloropropene	75	7.228	7.228	0.000	96	400612	25.0	26.2	
77 Ethyl methacrylate	69	7.271	7.271	0.000	91	385628	25.0	28.6	
78 1,1,2-Trichloroethane	83	7.417	7.417	0.000	95	214327	25.0	25.5	
79 Tetrachloroethene	166	7.472	7.472	0.000	97	304636	25.0	24.4	
80 1,3-Dichloropropane	76	7.581	7.581	0.000	92	430819	25.0	26.7	
82 2-Hexanone	43	7.648	7.648	0.000	100	1958309	125.0	157.6	
83 Chlorodibromomethane	129	7.812	7.812	0.000	91	263133	25.0	24.9	
84 Ethylene Dibromide	107	7.916	7.916	0.000	98	273039	25.0	26.6	
85 Chlorobenzene	112	8.390	8.390	0.000	92	757541	25.0	24.2	
88 Ethylbenzene	91	8.481	8.481	0.000	99	1218851	25.0	23.9	
89 1,1,1,2-Tetrachloroethane	131	8.494	8.494	0.000	92	277542	25.0	24.3	
90 m-Xylene & p-Xylene	106	8.609	8.609	0.000	98	490153	25.0	24.5	
91 o-Xylene	106	9.035	9.035	0.000	98	476453	25.0	23.8	
92 Styrene	104	9.066	9.066	0.000	95	826224	25.0	26.0	
93 Bromoform	173	9.321	9.321	0.000	97	170086	25.0	23.8	
95 Isopropylbenzene	105	9.418	9.418	0.000	97	1226575	25.0	24.6	
97 Bromobenzene	156	9.771	9.771	0.000	90	330587	25.0	25.4	
98 1,1,2,2-Tetrachloroethane	83	9.832	9.832	0.000	93	366933	25.0	26.8	
100 N-Propylbenzene	91	9.850	9.850	0.000	99	1427582	25.0	24.3	
99 1,2,3-Trichloropropane	110	9.862	9.862	0.000	92	117464	25.0	26.8	
101 trans-1,4-Dichloro-2-buten	53	9.881	9.881	0.000	79	127828	25.0	26.6	
102 2-Chlorotoluene	126	9.954	9.954	0.000	96	310181	25.0	25.4	
104 1,3,5-Trimethylbenzene	105	10.033	10.033	0.000	95	1026166	25.0	24.3	
105 4-Chlorotoluene	91	10.069	10.069	0.000	98	928240	25.0	24.8	
106 tert-Butylbenzene	134	10.349	10.349	0.000	94	235847	25.0	23.8	
108 1,2,4-Trimethylbenzene	105	10.404	10.404	0.000	98	1040626	25.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.562	10.562	0.000	95	1293438	25.0	24.4	
110 1,3-Dichlorobenzene	146	10.696	10.696	0.000	97	623797	25.0	24.8	
111 4-Isopropyltoluene	119	10.702	10.702	0.000	98	1210217	25.0	24.8	
113 1,4-Dichlorobenzene	146	10.787	10.787	0.000	93	622036	25.0	23.4	
115 n-Butylbenzene	91	11.091	11.091	0.000	98	959190	25.0	23.2	
116 1,2-Dichlorobenzene	146	11.140	11.140	0.000	97	624670	25.0	24.0	
117 1,2-Dibromo-3-Chloropropan	75	11.876	11.876	0.000	78	56363	25.0	22.9	
119 1,2,4-Trichlorobenzene	180	12.551	12.551	0.000	94	368361	25.0	21.6	
120 Hexachlorobutadiene	225	12.661	12.661	0.000	97	178856	25.0	21.5	
121 Naphthalene	128	12.764	12.764	0.000	97	963586	25.0	22.6	
122 1,2,3-Trichlorobenzene	180	12.965	12.965	0.000	95	319537	25.0	20.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00383	Amount Added:	12.50	Units: uL	
8260 CORP mix_00178	Amount Added:	12.50	Units: uL	
N 8260 IS_00184	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00393	Amount Added:	1.00	Units: uL	Run Reagent

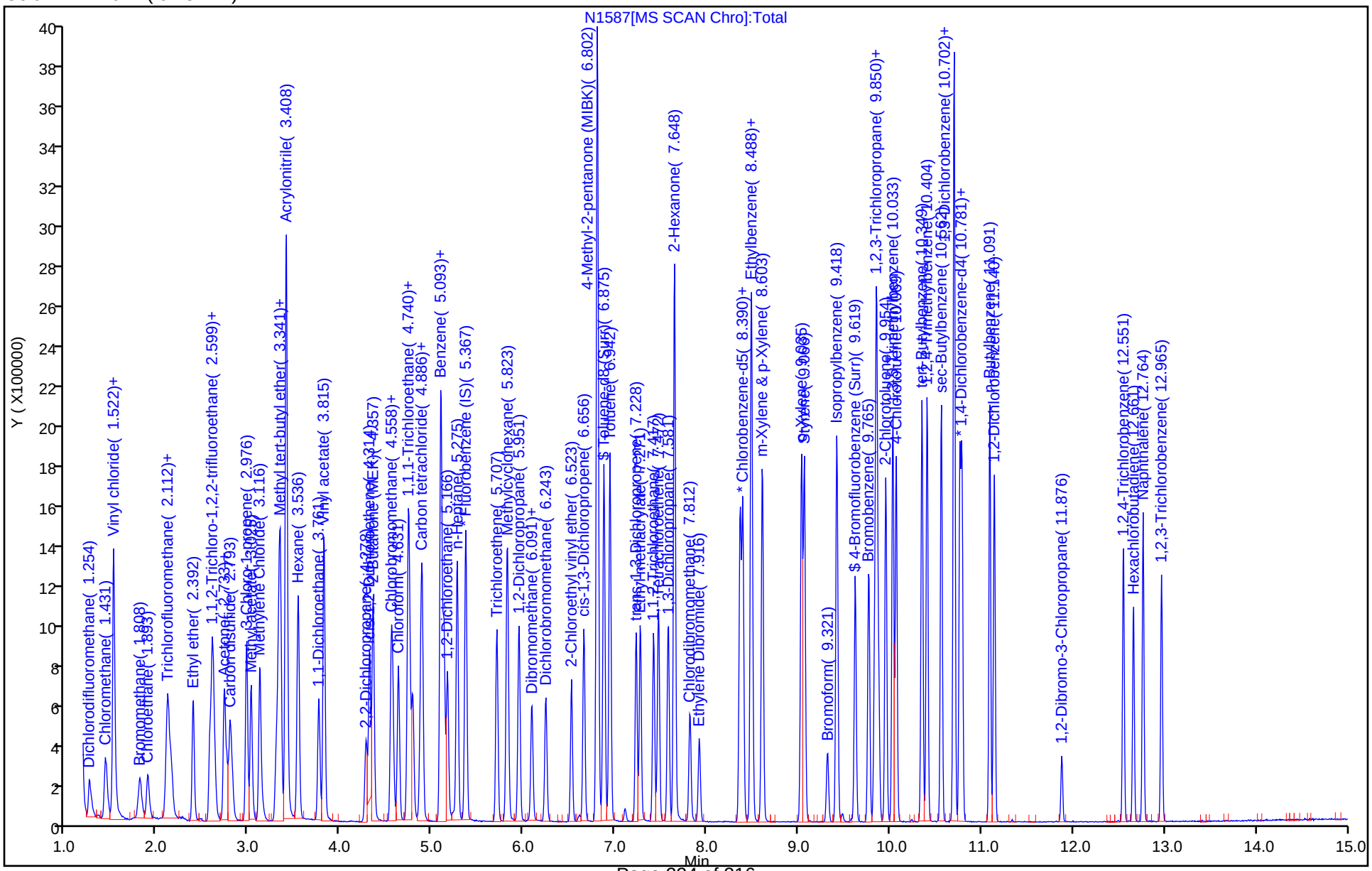
Report Date: 13-Feb-2020 07:31:32 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1587.D

Injection Date:	12-Feb-2020 20:35:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

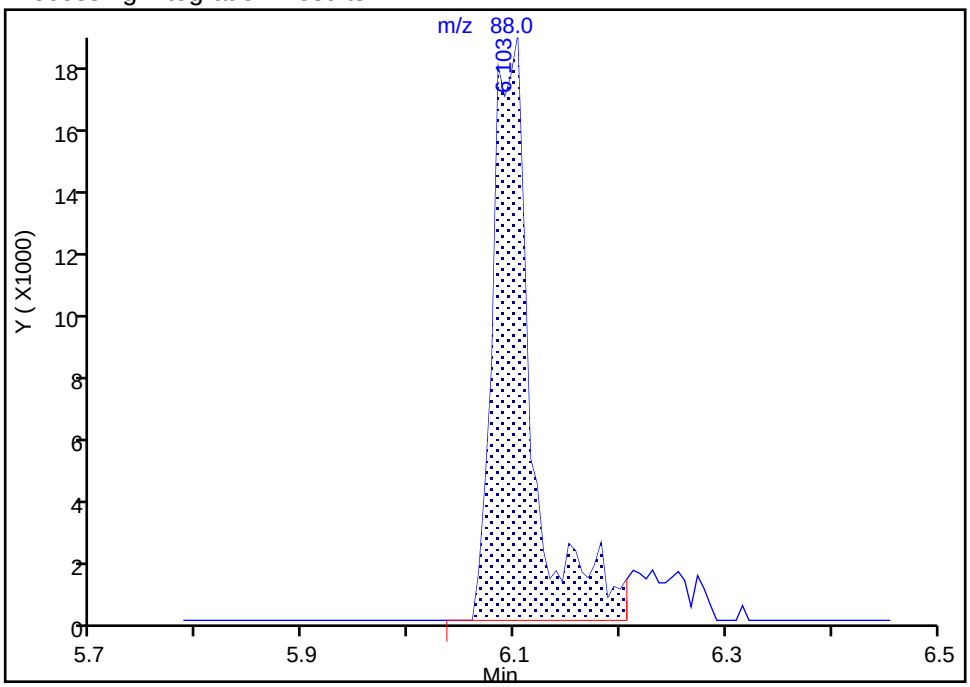
Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1587.D
Injection Date: 12-Feb-2020 20:35:30 Instrument ID: HP5973N
Lims ID: CCVIS
Client ID:
Operator ID: AM ALS Bottle#: 24 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

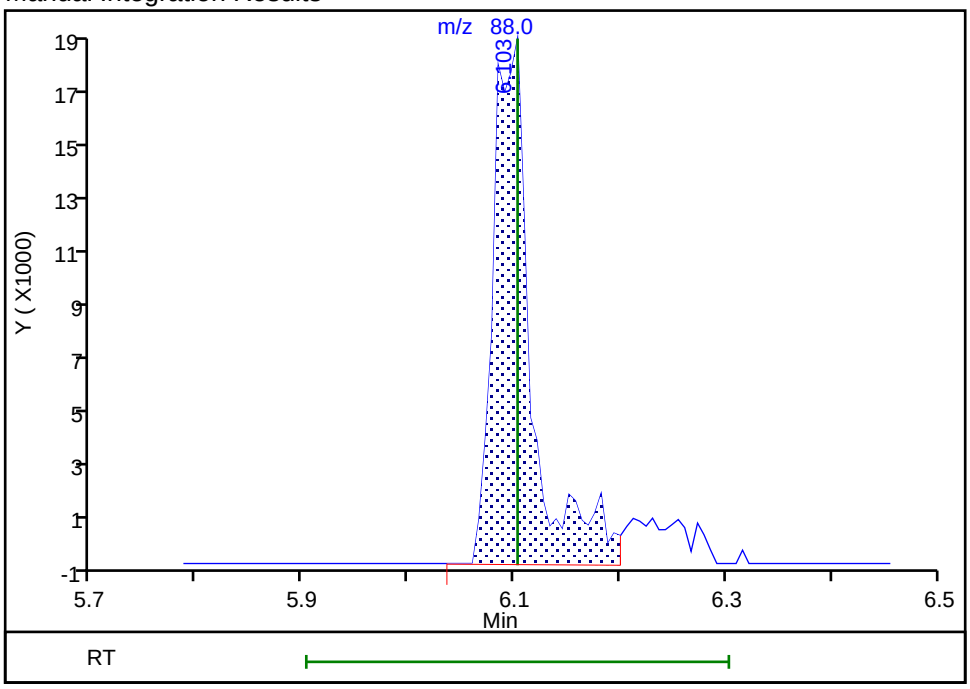
Processing Integration Results

RT: 6.10
Area: 47318
Amount: 794.8518
Amount Units: ug/L



Manual Integration Results

RT: 6.10
Area: 47268
Amount: 794.0119
Amount Units: ug/L



Reviewer: lapointec, 13-Feb-2020 07:27:12
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab Sample ID: ICV 480-514167/28 Calibration Date: 01/20/2020 22:49

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D2204.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl ether	Ave	1.109	1.131		25.5	25.0	2.0	30.0
Acrolein	Ave	0.2407	0.2198		114	125	-8.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.279	1.498	0.1000	29.3	25.0	17.2	30.0
1,1-Dichloroethene	Ave	1.236	1.343	0.1000	27.2	25.0	8.6	30.0
Acetone	Ave	0.4642	0.4374	0.1000	118	125	-5.8	50.0
Iodomethane	Ave	2.940	3.147		26.8	25.0	7.0	30.0
Carbon disulfide	Ave	4.274	4.627	0.1000	27.1	25.0	8.3	30.0
Allyl chloride	Ave	2.184	2.273		26.0	25.0	4.0	30.0
Methyl acetate	Ave	1.023	0.9600	0.1000	46.9	50.0	-6.2	50.0
Methylene Chloride	Lin1		1.556	0.1000	26.7	25.0	6.8	30.0
2-Methyl-2-propanol	Ave	0.1555	0.1560		251	250	0.3	50.0
Methyl tert-butyl ether	Ave	3.656	3.810	0.1000	26.1	25.0	4.2	30.0
trans-1,2-Dichloroethene	Ave	1.429	1.534	0.1000	26.8	25.0	7.4	30.0
Acrylonitrile	Ave	0.4660	0.4605		247	250	-1.2	30.0
Hexane	Ave	1.805	1.946		27.0	25.0	7.9	30.0
1,1-Dichloroethane	Ave	2.605	2.724	0.2000	26.1	25.0	4.6	30.0
Vinyl acetate	Ave	2.693	2.784		51.7	50.0	3.3	30.0
2,2-Dichloropropane	Ave	1.478	1.441		24.4	25.0	-2.6	30.0
cis-1,2-Dichloroethene	Ave	1.609	1.699	0.1000	26.4	25.0	5.6	30.0
2-Butanone (MEK)	Ave	0.6671	0.6114	0.1000	115	125	-8.4	30.0
Chlorobromomethane	Ave	0.9284	0.9748		26.2	25.0	5.0	30.0
Tetrahydrofuran	Lin1		0.4026		50.9	50.0	1.8	30.0
Chloroform	Ave	2.787	2.803	0.2000	25.1	25.0	0.6	30.0
1,1,1-Trichloroethane	Ave	2.257	2.465	0.1000	27.3	25.0	9.2	30.0
Cyclohexane	Ave	2.150	2.413	0.1000	28.1	25.0	12.2	30.0
Carbon tetrachloride	Ave	2.163	2.390	0.1000	27.6	25.0	10.5	30.0
1,1-Dichloropropene	Ave	1.890	2.041		27.0	25.0	8.0	30.0
Isobutyl alcohol	Ave	0.0660	0.0622		589	625	-5.7	50.0
Benzene	Ave	5.243	5.483	0.5000	26.1	25.0	4.6	30.0
1,2-Dichloroethane	Ave	2.226	2.226	0.1000	25.0	25.0	0.0	30.0
n-Heptane	Ave	1.863	1.888		25.3	25.0	1.4	30.0
Trichloroethene	Ave	1.551	1.656	0.2000	26.7	25.0	6.8	30.0
Methylcyclohexane	Ave	2.001	2.303	0.1000	28.8	25.0	15.0	30.0
1,2-Dichloropropane	Ave	1.402	1.447	0.1000	25.8	25.0	3.2	30.0
1,4-Dioxane	Ave	0.0054	0.0050		468	500	-6.4	50.0
Dibromomethane	Ave	1.003	1.047	0.1000	26.1	25.0	4.4	30.0
Bromodichloromethane	Ave	2.046	2.112	0.2000	25.8	25.0	3.2	30.0
2-Chloroethyl vinyl ether	Ave	0.6815	0.6836		25.1	25.0	0.3	30.0
cis-1,3-Dichloropropene	Ave	2.234	2.289	0.2000	25.6	25.0	2.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6301	0.6058	0.1000	120	125	-3.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab Sample ID: ICV 480-514167/28 Calibration Date: 01/20/2020 22:49

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D2204.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.558	1.608	0.4000	25.8	25.0	3.2	30.0
trans-1,3-Dichloropropene	Ave	0.9494	0.9761	0.1000	25.7	25.0	2.8	30.0
Ethyl methacrylate	Ave	0.7187	0.7091		24.7	25.0	-1.3	30.0
1,1,2-Trichloroethane	Ave	0.4750	0.4788	0.1000	25.2	25.0	0.8	30.0
Tetrachloroethene	Ave	0.7598	0.8174	0.2000	26.9	25.0	7.6	30.0
1,3-Dichloropropane	Ave	0.8962	0.9028		25.2	25.0	0.7	30.0
2-Hexanone	Ave	0.4513	0.4403	0.1000	122	125	-2.4	30.0
Dibromochloromethane	Ave	0.8144	0.8480	0.1000	26.0	25.0	4.1	30.0
1,2-Dibromoethane	Ave	0.6596	0.6744		25.6	25.0	2.2	30.0
Chlorobenzene	Ave	1.907	1.973	0.5000	25.9	25.0	3.4	30.0
Ethylbenzene	Ave	2.946	3.052	0.1000	25.9	25.0	3.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.7414	0.7888		26.6	25.0	6.4	30.0
m,p-Xylene	Ave	1.181	1.219	0.1000	25.8	25.0	3.3	30.0
o-Xylene	Ave	1.171	1.211	0.3000	25.8	25.0	3.4	30.0
Styrene	Ave	1.943	2.023	0.3000	26.0	25.0	4.1	30.0
Bromoform	Ave	0.5198	0.5394	0.1000	25.9	25.0	3.8	50.0
Isopropylbenzene	Ave	2.661	2.803	0.1000	26.3	25.0	5.3	30.0
Bromobenzene	Ave	0.8043	0.8263		25.7	25.0	2.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6836	0.6744	0.3000	24.7	25.0	-1.3	30.0
N-Propylbenzene	Ave	3.170	3.236		25.5	25.0	2.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2023	0.2043		25.2	25.0	1.0	50.0
1,2,3-Trichloropropane	Ave	0.1910	0.1930		25.3	25.0	1.1	30.0
2-Chlorotoluene	Ave	0.7109	0.7301		25.7	25.0	2.7	30.0
1,3,5-Trimethylbenzene	Ave	2.337	2.441		26.1	25.0	4.4	30.0
4-Chlorotoluene	Ave	0.7427	0.7650		25.8	25.0	3.0	30.0
tert-Butylbenzene	Ave	0.4799	0.5107		26.6	25.0	6.4	30.0
1,2,4-Trimethylbenzene	Ave	2.392	2.459		25.7	25.0	2.8	30.0
sec-Butylbenzene	Ave	2.957	3.125		26.4	25.0	5.7	30.0
4-Isopropyltoluene	Ave	2.610	2.758		26.4	25.0	5.7	30.0
1,3-Dichlorobenzene	Ave	1.495	1.516	0.6000	25.4	25.0	1.4	30.0
1,4-Dichlorobenzene	Ave	1.536	1.539	0.5000	25.0	25.0	0.2	30.0
n-Butylbenzene	Ave	2.340	2.446		26.1	25.0	4.5	30.0
1,2-Dichlorobenzene	Ave	1.493	1.515	0.4000	25.4	25.0	1.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1350	0.1372	0.0500	25.4	25.0	1.6	50.0
1,2,4-Trichlorobenzene	Ave	1.152	1.205	0.2000	26.1	25.0	4.6	30.0
Hexachlorobutadiene	Ave	0.5392	0.5877		27.2	25.0	9.0	30.0
Naphthalene	Ave	2.571	2.654		25.8	25.0	3.2	30.0
1,2,3-Trichlorobenzene	Ave	1.092	1.151		26.3	25.0	5.3	30.0
Dibromofluoromethane (Surr)	Ave	1.623	1.662		25.6	25.0	2.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8555	0.8638		25.2	25.0	1.0	30.0
Toluene-d8 (Surr)	Ave	2.334	2.342		25.1	25.0	0.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab Sample ID: ICV 480-514167/28 Calibration Date: 01/20/2020 22:49

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D2204.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Bromofluorobenzene (Surr)	Ave	0.8417	0.8458		25.1	25.0	0.5	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2204.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 20-Jan-2020 22:49:30 ALS Bottle#: 25 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0087606-028
Operator ID: LH Instrument ID: HP5975D
Sublist:

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:03:07 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 13:18:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	148952	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	320243	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.811	9.811	0.000	95	362167	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.007	5.007	0.000	94	247581	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.276	5.275	0.001	99	128665	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	750165	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	270865	25.0	25.1	
18 Ethyl ether	59	2.800	2.800	0.000	96	168488	25.0	25.5	
20 Acrolein	56	2.995	2.995	0.000	98	163724	125.0	114.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.026	3.032	-0.006	93	223195	25.0	29.3	
22 1,1-Dichloroethene	96	3.044	3.044	0.000	97	199977	25.0	27.2	
23 Acetone	43	3.148	3.148	0.000	98	325720	125.0	117.8	
25 Iodomethane	142	3.215	3.221	-0.006	99	468678	25.0	26.8	
26 Carbon disulfide	76	3.258	3.257	0.001	100	689126	25.0	27.1	
28 3-Chloro-1-propene	41	3.386	3.385	0.001	88	338526	25.0	26.0	
27 Methyl acetate	43	3.428	3.428	0.000	99	285976	50.0	46.9	
30 Methylene Chloride	84	3.550	3.532	0.018	97	231706	25.0	26.7	
31 2-Methyl-2-propanol	59	3.684	3.684	0.000	97	232343	250.0	250.7	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	98	567506	25.0	26.1	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	96	228515	25.0	26.8	
33 Acrylonitrile	53	3.794	3.794	0.000	97	685982	250.0	247.0	
35 Hexane	57	3.904	3.904	0.000	94	289894	25.0	27.0	
39 1,1-Dichloroethane	63	4.123	4.123	0.000	97	405682	25.0	26.1	
37 Vinyl acetate	43	4.154	4.154	0.000	97	829223	50.0	51.7	
44 2,2-Dichloropropane	77	4.581	4.580	0.001	94	214565	25.0	24.4	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	85	253008	25.0	26.4	
43 2-Butanone (MEK)	43	4.635	4.635	0.000	99	455342	125.0	114.6	
48 Chlorobromomethane	128	4.818	4.818	0.000	93	145195	25.0	26.2	
49 Tetrahydrofuran	42	4.837	4.836	0.001	87	119941	50.0	50.9	
50 Chloroform	83	4.873	4.873	0.000	95	417476	25.0	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	99	367234	25.0	27.3	
52 Cyclohexane	56	4.983	4.983	0.000	94	359373	25.0	28.1	
55 Carbon tetrachloride	117	5.093	5.092	0.001	97	355985	25.0	27.6	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	93	304004	25.0	27.0	
53 Isobutyl alcohol	43	5.263	5.263	0.000	92	231728	625.0	589.2	
57 Benzene	78	5.282	5.281	0.001	97	816774	25.0	26.1	
58 1,2-Dichloroethane	62	5.336	5.336	0.000	98	331582	25.0	25.0	
59 n-Heptane	43	5.391	5.391	0.000	95	281213	25.0	25.3	
62 Trichloroethene	95	5.775	5.775	0.000	96	246658	25.0	26.7	
64 Methylcyclohexane	83	5.873	5.873	0.000	94	342983	25.0	28.8	
65 1,2-Dichloropropane	63	5.977	5.976	0.001	92	215591	25.0	25.8	
66 1,4-Dioxane	88	6.086	6.086	0.000	95	32200	500.0	468.2	
67 Dibromomethane	93	6.092	6.092	0.000	95	156022	25.0	26.1	
68 Dichlorobromomethane	83	6.202	6.208	-0.006	98	314582	25.0	25.8	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	94	101822	25.0	25.1	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	93	340970	25.0	25.6	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	969981	125.0	120.2	
74 Toluene	92	6.763	6.763	0.000	98	515055	25.0	25.8	
77 trans-1,3-Dichloropropene	75	6.970	6.976	-0.006	97	312589	25.0	25.7	
75 Ethyl methacrylate	69	6.976	6.982	-0.006	91	227091	25.0	24.7	
79 1,1,2-Trichloroethane	83	7.129	7.129	0.000	92	153340	25.0	25.2	
81 Tetrachloroethene	166	7.190	7.190	0.000	96	261760	25.0	26.9	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	95	289114	25.0	25.2	
80 2-Hexanone	43	7.287	7.287	0.000	98	705004	125.0	122.0	
83 Chlorodibromomethane	129	7.458	7.458	0.000	90	271569	25.0	26.0	
84 Ethylene Dibromide	107	7.549	7.549	0.000	98	215971	25.0	25.6	
87 Chlorobenzene	112	7.909	7.909	0.000	97	631775	25.0	25.9	
88 Ethylbenzene	91	7.958	7.958	0.000	98	977317	25.0	25.9	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	96	252596	25.0	26.6	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	99	390467	25.0	25.8	
91 o-Xylene	106	8.385	8.385	0.000	97	387813	25.0	25.8	
92 Styrene	104	8.409	8.409	0.000	96	647769	25.0	26.0	
95 Bromoform	173	8.622	8.628	-0.006	97	172739	25.0	25.9	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	1015225	25.0	26.3	
101 Bromobenzene	156	8.982	8.982	0.000	89	299249	25.0	25.7	
97 1,1,2,2-Tetrachloroethane	83	8.988	8.994	-0.006	94	244250	25.0	24.7	
99 N-Propylbenzene	91	9.013	9.012	0.001	99	1171831	25.0	25.5	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	77	73985	25.0	25.2	
100 1,2,3-Trichloropropane	110	9.031	9.031	0.000	88	69884	25.0	25.3	
103 2-Chlorotoluene	126	9.122	9.122	0.000	98	264415	25.0	25.7	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	883942	25.0	26.1	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	277044	25.0	25.8	
106 tert-Butylbenzene	134	9.427	9.427	0.000	92	184973	25.0	26.6	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	97	890666	25.0	25.7	
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	1131851	25.0	26.4	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	998702	25.0	26.4	
111 1,3-Dichlorobenzene	146	9.756	9.756	0.000	98	549143	25.0	25.4	
113 1,4-Dichlorobenzene	146	9.836	9.835	0.001	96	557401	25.0	25.0	
115 n-Butylbenzene	91	10.073	10.079	-0.006	98	885852	25.0	26.1	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	99	548824	25.0	25.4	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	87	49677	25.0	25.4	
119 1,2,4-Trichlorobenzene	180	11.488	11.488	0.000	95	436415	25.0	26.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	212853	25.0	27.2	
121 Naphthalene	128	11.701	11.701	0.000	97	961103	25.0	25.8	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	96	416683	25.0	26.3	

Reagents:

SS 8260 CORP_00081	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00008	Amount Added: 1.00	Units: uL	Run Reagent

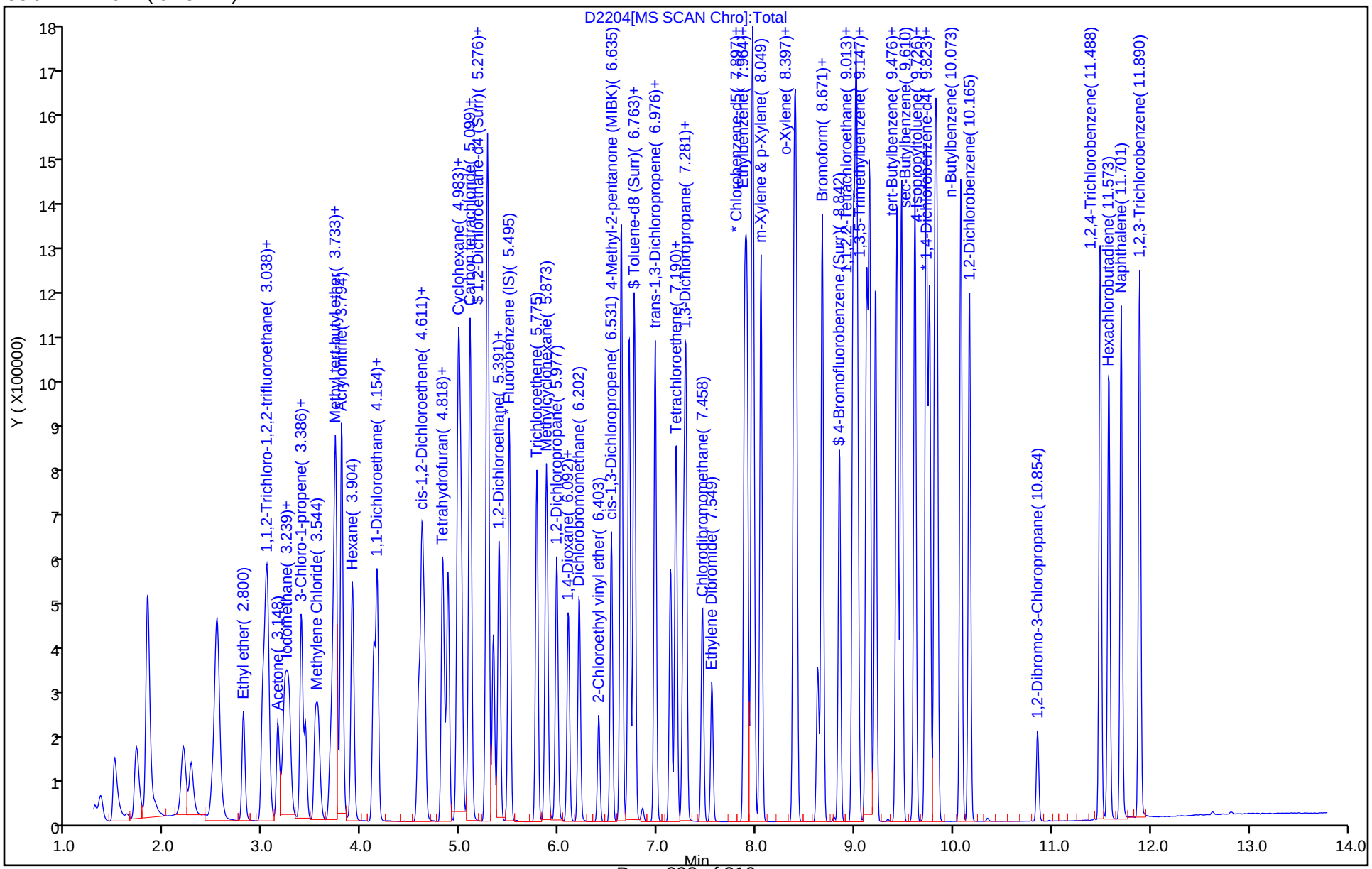
Report Date: 27-Jan-2020 11:04:03 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2204.D

Injection Date:	20-Jan-2020 22:49:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	ICV			Worklist Smp#:	28
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab Sample ID: CCVIS 480-517370/3 Calibration Date: 02/13/2020 09:21

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D28737.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.741	1.313	0.1000	18.9	25.0	-24.6	50.0
Chloromethane	Ave	2.220	1.750	0.1000	19.7	25.0	-21.2*	20.0
Butadiene	Ave	1.736	1.265		18.2	25.0	-27.1*	20.0
Vinyl chloride	Ave	1.806	1.519	0.1000	21.0	25.0	-15.9	20.0
Bromomethane	Ave	1.296	1.048	0.1000	20.2	25.0	-19.1	50.0
Chloroethane	Ave	1.073	0.8096	0.1000	18.9	25.0	-24.6	50.0
Dichlorofluoromethane	Ave	2.643	2.136		20.2	25.0	-19.2	20.0
Trichlorofluoromethane	Ave	2.232	1.671	0.1000	18.7	25.0	-25.1*	20.0
Ethyl ether	Ave	1.109	1.080		24.3	25.0	-2.6	20.0
Acrolein	Ave	0.2407	0.1335		69.3	125	-44.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.279	1.096	0.1000	21.4	25.0	-14.3	20.0
1,1-Dichloroethene	Ave	1.236	1.098	0.1000	22.2	25.0	-11.1	20.0
Acetone	Ave	0.4642	0.3836	0.1000	103	125	-17.4	50.0
Iodomethane	Ave	2.940	2.557		21.7	25.0	-13.1	20.0
Carbon disulfide	Ave	4.274	4.022	0.1000	23.5	25.0	-5.9	20.0
Allyl chloride	Ave	2.184	1.995		22.8	25.0	-8.7	20.0
Methyl acetate	Ave	1.023	0.9131	0.1000	44.6	50.0	-10.7	50.0
Methylene Chloride	Lin1		1.406	0.1000	24.1	25.0	-3.8	20.0
2-Methyl-2-propanol	Ave	0.1555	0.1409		227	250	-9.4	50.0
Methyl tert-butyl ether	Ave	3.656	3.341	0.1000	22.8	25.0	-8.6	20.0
trans-1,2-Dichloroethene	Ave	1.429	1.296	0.1000	22.7	25.0	-9.3	20.0
Acrylonitrile	Ave	0.4660	0.4538		243	250	-2.6	20.0
Hexane	Ave	1.805	1.488		20.6	25.0	-17.5	20.0
1,1-Dichloroethane	Ave	2.605	2.346	0.2000	22.5	25.0	-9.9	20.0
Vinyl acetate	Ave	2.693	2.491		46.2	50.0	-7.5	20.0
2,2-Dichloropropane	Ave	1.478	1.362		23.0	25.0	-7.9	20.0
cis-1,2-Dichloroethene	Ave	1.609	1.469	0.1000	22.8	25.0	-8.7	20.0
2-Butanone (MEK)	Ave	0.6671	0.5731	0.1000	107	125	-14.1	20.0
Chlorobromomethane	Ave	0.9284	0.8312		22.4	25.0	-10.5	20.0
Tetrahydrofuran	Lin1		0.3741		47.2	50.0	-5.7	20.0
Chloroform	Ave	2.787	2.345	0.2000	21.0	25.0	-15.8	20.0
1,1,1-Trichloroethane	Ave	2.257	1.897	0.1000	21.0	25.0	-15.9	20.0
Cyclohexane	Ave	2.150	1.894	0.1000	22.0	25.0	-11.9	20.0
Carbon tetrachloride	Ave	2.163	1.764	0.1000	20.4	25.0	-18.5	20.0
1,1-Dichloropropene	Ave	1.890	1.648		21.8	25.0	-12.8	20.0
Isobutyl alcohol	Ave	0.0660	0.0595		563	625	-9.9	50.0
Benzene	Ave	5.243	4.777	0.5000	22.8	25.0	-8.9	20.0
1,2-Dichloroethane	Ave	2.226	1.728	0.1000	19.4	25.0	-22.4*	20.0
n-Heptane	Ave	1.863	1.513		20.3	25.0	-18.8	20.0
Trichloroethene	Ave	1.551	1.346	0.2000	21.7	25.0	-13.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab Sample ID: CCVIS 480-517370/3 Calibration Date: 02/13/2020 09:21

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D28737.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.001	1.759	0.1000	22.0	25.0	-12.1	20.0
1,2-Dichloropropane	Ave	1.402	1.333	0.1000	23.8	25.0	-4.9	20.0
1,4-Dioxane	Ave	0.0054	0.0052		487	500	-2.6	50.0
Dibromomethane	Ave	1.003	0.8933	0.1000	22.3	25.0	-10.9	20.0
Bromodichloromethane	Ave	2.046	1.761	0.2000	21.5	25.0	-13.9	20.0
2-Chloroethyl vinyl ether	Ave	0.6815	0.7526		27.6	25.0	10.4	20.0
cis-1,3-Dichloropropene	Ave	2.234	2.105	0.2000	23.6	25.0	-5.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6301	0.5754	0.1000	114	125	-8.7	20.0
Toluene	Ave	1.558	1.421	0.4000	22.8	25.0	-8.8	20.0
trans-1,3-Dichloropropene	Ave	0.9494	0.8970	0.1000	23.6	25.0	-5.5	20.0
Ethyl methacrylate	Ave	0.7187	0.7011		24.4	25.0	-2.4	20.0
1,1,2-Trichloroethane	Ave	0.4750	0.4529	0.1000	23.8	25.0	-4.6	20.0
Tetrachloroethene	Ave	0.7598	0.6683	0.2000	22.0	25.0	-12.0	20.0
1,3-Dichloropropane	Ave	0.8962	0.8620		24.0	25.0	-3.8	20.0
2-Hexanone	Ave	0.4513	0.4178	0.1000	116	125	-7.4	20.0
Dibromochloromethane	Ave	0.8144	0.7156	0.1000	22.0	25.0	-12.1	20.0
1,2-Dibromoethane	Ave	0.6596	0.6048		22.9	25.0	-8.3	20.0
Chlorobenzene	Ave	1.907	1.726	0.5000	22.6	25.0	-9.5	20.0
Ethylbenzene	Ave	2.946	2.637	0.1000	22.4	25.0	-10.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7414	0.6660		22.5	25.0	-10.2	20.0
m,p-Xylene	Ave	1.181	1.059	0.1000	22.4	25.0	-10.3	20.0
o-Xylene	Ave	1.171	1.059	0.3000	22.6	25.0	-9.6	20.0
Styrene	Ave	1.943	1.767	0.3000	22.7	25.0	-9.1	20.0
Bromoform	Ave	0.5198	0.4627	0.1000	22.3	25.0	-11.0	50.0
Isopropylbenzene	Ave	2.661	2.536	0.1000	23.8	25.0	-4.7	20.0
Bromobenzene	Ave	0.8043	0.7374		22.9	25.0	-8.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6836	0.6845	0.3000	25.0	25.0	0.1	20.0
N-Propylbenzene	Ave	3.170	2.988		23.6	25.0	-5.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2023	0.1850		22.9	25.0	-8.6	50.0
1,2,3-Trichloropropane	Ave	0.1910	0.1829		23.9	25.0	-4.2	20.0
2-Chlorotoluene	Ave	0.7109	0.6599		23.2	25.0	-7.2	20.0
1,3,5-Trimethylbenzene	Ave	2.337	2.214		23.7	25.0	-5.3	20.0
4-Chlorotoluene	Ave	0.7427	0.6829		23.0	25.0	-8.0	20.0
tert-Butylbenzene	Ave	0.4799	0.4499		23.4	25.0	-6.3	20.0
1,2,4-Trimethylbenzene	Ave	2.392	2.268		23.7	25.0	-5.2	20.0
sec-Butylbenzene	Ave	2.957	2.810		23.8	25.0	-5.0	20.0
4-Isopropyltoluene	Ave	2.610	2.459		23.6	25.0	-5.8	20.0
1,3-Dichlorobenzene	Ave	1.495	1.369	0.6000	22.9	25.0	-8.5	20.0
1,4-Dichlorobenzene	Ave	1.536	1.398	0.5000	22.7	25.0	-9.0	20.0
n-Butylbenzene	Ave	2.340	2.250		24.0	25.0	-3.9	20.0
1,2-Dichlorobenzene	Ave	1.493	1.382	0.4000	23.1	25.0	-7.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Lab Sample ID: CCVIS 480-517370/3 Calibration Date: 02/13/2020 09:21

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D28737.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1350	0.1223	0.0500	22.7	25.0	-9.4	50.0
1,2,4-Trichlorobenzene	Ave	1.152	1.105	0.2000	24.0	25.0	-4.1	20.0
Hexachlorobutadiene	Ave	0.5392	0.4985		23.1	25.0	-7.6	20.0
Naphthalene	Ave	2.571	2.496		24.3	25.0	-2.9	20.0
1,2,3-Trichlorobenzene	Ave	1.092	1.071		24.5	25.0	-2.0	20.0
Dibromofluoromethane (Surr)	Ave	1.623	1.553		23.9	25.0	-4.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8555	0.8234		24.1	25.0	-3.7	20.0
Toluene-d8 (Surr)	Ave	2.334	2.411		25.8	25.0	3.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8417	0.8089		24.0	25.0	-3.9	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28737.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 13-Feb-2020 09:21:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0088144-003
Operator ID: OI Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Feb-2020 09:38:50 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0338

First Level Reviewer: izquierdoo Date: 13-Feb-2020 09:38:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.525	5.525	0.000	99	148933	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.909	7.909	0.000	86	321343	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	0.000	94	344105	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.038	5.038	0.000	94	231338	25.0	23.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.306	5.306	0.000	98	122628	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	6.739	6.739	0.000	93	774681	25.0	25.8	
$ 6 4-Bromofluorobenzene (Surr	174	8.872	8.872	0.000	94	259921	25.0	24.0	
10 Dichlorodifluoromethane	85	1.514	1.514	0.000	99	195479	25.0	18.9	
12 Chloromethane	50	1.733	1.733	0.000	99	260592	25.0	19.7	
144 Butadiene	54	1.849	1.849	0.000	91	188408	25.0	18.2	
13 Vinyl chloride	62	1.855	1.855	0.000	98	226178	25.0	21.0	
14 Bromomethane	94	2.215	2.215	0.000	90	156127	25.0	20.2	
15 Chloroethane	64	2.300	2.300	0.000	99	120569	25.0	18.9	
16 Dichlorofluoromethane	67	2.550	2.550	0.000	97	318132	25.0	20.2	
17 Trichlorofluoromethane	101	2.557	2.557	0.000	98	248796	25.0	18.7	
18 Ethyl ether	59	2.825	2.825	0.000	95	160819	25.0	24.3	
20 Acrolein	56	3.020	3.020	0.000	99	99386	125.0	69.3	
21 1,1,2-Trichloro-1,2,2-trif	101	3.056	3.056	0.000	94	163232	25.0	21.4	
22 1,1-Dichloroethene	96	3.069	3.069	0.000	97	163578	25.0	22.2	
23 Acetone	43	3.178	3.178	0.000	100	285634	125.0	103.3	
25 Iodomethane	142	3.245	3.245	0.000	99	380749	25.0	21.7	
26 Carbon disulfide	76	3.276	3.276	0.000	100	599016	25.0	23.5	
28 3-Chloro-1-propene	41	3.416	3.416	0.000	92	297171	25.0	22.8	
27 Methyl acetate	43	3.459	3.459	0.000	99	271988	50.0	44.6	
30 Methylene Chloride	84	3.562	3.562	0.000	96	209350	25.0	24.1	
31 2-Methyl-2-propanol	59	3.709	3.709	0.000	97	209887	250.0	226.5	
32 Methyl tert-butyl ether	73	3.745	3.745	0.000	96	497546	25.0	22.8	
34 trans-1,2-Dichloroethene	96	3.770	3.770	0.000	97	192993	25.0	22.7	
33 Acrylonitrile	53	3.825	3.825	0.000	98	675863	250.0	243.4	
35 Hexane	57	3.934	3.934	0.000	93	221661	25.0	20.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.154	4.154	0.000	96	349441	25.0	22.5	
37 Vinyl acetate	43	4.184	4.184	0.000	97	741846	50.0	46.2	
44 2,2-Dichloropropane	77	4.611	4.611	0.000	90	202810	25.0	23.0	
45 cis-1,2-Dichloroethene	96	4.641	4.641	0.000	85	218729	25.0	22.8	
43 2-Butanone (MEK)	43	4.666	4.666	0.000	99	426801	125.0	107.4	
48 Chlorobromomethane	128	4.849	4.849	0.000	95	123798	25.0	22.4	
49 Tetrahydrofuran	42	4.861	4.861	0.000	88	111417	50.0	47.2	
50 Chloroform	83	4.904	4.904	0.000	94	349273	25.0	21.0	
51 1,1,1-Trichloroethane	97	5.007	5.007	0.000	99	282595	25.0	21.0	
52 Cyclohexane	56	5.013	5.013	0.000	92	282028	25.0	22.0	
55 Carbon tetrachloride	117	5.123	5.123	0.000	98	262683	25.0	20.4	
54 1,1-Dichloropropene	75	5.129	5.129	0.000	97	245446	25.0	21.8	
53 Isobutyl alcohol	43	5.288	5.288	0.000	94	221450	625.0	563.1	
57 Benzene	78	5.306	5.306	0.000	97	711489	25.0	22.8	
58 1,2-Dichloroethane	62	5.367	5.367	0.000	97	257297	25.0	19.4	
59 n-Heptane	43	5.422	5.422	0.000	94	225339	25.0	20.3	
62 Trichloroethene	95	5.806	5.806	0.000	97	200419	25.0	21.7	
64 Methylcyclohexane	83	5.903	5.903	0.000	93	262030	25.0	22.0	
65 1,2-Dichloropropane	63	6.007	6.007	0.000	96	198526	25.0	23.8	
66 1,4-Dioxane	88	6.111	6.111	0.000	95	33594	500.0	486.8	
67 Dibromomethane	93	6.123	6.123	0.000	96	133046	25.0	22.3	
68 Dichlorobromomethane	83	6.233	6.233	0.000	99	262312	25.0	21.5	
69 2-Chloroethyl vinyl ether	63	6.428	6.428	0.000	92	112088	25.0	27.6	
72 cis-1,3-Dichloropropene	75	6.562	6.562	0.000	95	313432	25.0	23.6	
73 4-Methyl-2-pentanone (MIBK	43	6.659	6.659	0.000	97	924575	125.0	114.2	
74 Toluene	92	6.793	6.793	0.000	98	456609	25.0	22.8	
77 trans-1,3-Dichloropropene	75	7.001	7.001	0.000	96	288249	25.0	23.6	
75 Ethyl methacrylate	69	7.007	7.007	0.000	92	225302	25.0	24.4	
79 1,1,2-Trichloroethane	83	7.159	7.159	0.000	91	145549	25.0	23.8	
81 Tetrachloroethene	166	7.214	7.214	0.000	97	214762	25.0	22.0	
82 1,3-Dichloropropane	76	7.287	7.287	0.000	99	276980	25.0	24.0	
80 2-Hexanone	43	7.312	7.312	0.000	96	671239	125.0	115.7	
83 Chlorodibromomethane	129	7.482	7.482	0.000	90	229943	25.0	22.0	
84 Ethylene Dibromide	107	7.580	7.580	0.000	98	194348	25.0	22.9	
87 Chlorobenzene	112	7.934	7.934	0.000	99	554565	25.0	22.6	
88 Ethylbenzene	91	7.982	7.982	0.000	98	847387	25.0	22.4	
89 1,1,1,2-Tetrachloroethane	131	8.001	8.001	0.000	96	214028	25.0	22.5	
90 m-Xylene & p-Xylene	106	8.074	8.074	0.000	98	340411	25.0	22.4	
91 o-Xylene	106	8.409	8.409	0.000	97	340186	25.0	22.6	
92 Styrene	104	8.433	8.433	0.000	96	567735	25.0	22.7	
95 Bromoform	173	8.653	8.653	0.000	98	148680	25.0	22.3	
94 Isopropylbenzene	105	8.696	8.696	0.000	95	872815	25.0	23.8	
101 Bromobenzene	156	9.006	9.006	0.000	90	253749	25.0	22.9	
97 1,1,2,2-Tetrachloroethane	83	9.013	9.013	0.000	93	235553	25.0	25.0	
99 N-Propylbenzene	91	9.037	9.037	0.000	99	1028312	25.0	23.6	
98 trans-1,4-Dichloro-2-buten	53	9.049	9.049	0.000	82	63641	25.0	22.9	
100 1,2,3-Trichloropropane	110	9.055	9.055	0.000	86	62925	25.0	23.9	
103 2-Chlorotoluene	126	9.147	9.147	0.000	98	227081	25.0	23.2	
102 1,3,5-Trimethylbenzene	105	9.177	9.177	0.000	93	761865	25.0	23.7	
105 4-Chlorotoluene	126	9.238	9.238	0.000	97	234995	25.0	23.0	
106 tert-Butylbenzene	134	9.451	9.451	0.000	92	154799	25.0	23.4	
107 1,2,4-Trimethylbenzene	105	9.500	9.500	0.000	97	780294	25.0	23.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.634	9.634	0.000	94	967012	25.0	23.8	
110 4-Isopropyltoluene	119	9.750	9.750	0.000	97	846251	25.0	23.6	
111 1,3-Dichlorobenzene	146	9.781	9.781	0.000	98	470916	25.0	22.9	
113 1,4-Dichlorobenzene	146	9.860	9.860	0.000	96	480942	25.0	22.7	
115 n-Butylbenzene	91	10.098	10.098	0.000	98	774252	25.0	24.0	
116 1,2-Dichlorobenzene	146	10.189	10.189	0.000	99	475627	25.0	23.1	
117 1,2-Dibromo-3-Chloropropan	75	10.878	10.878	0.000	89	42093	25.0	22.7	
119 1,2,4-Trichlorobenzene	180	11.512	11.512	0.000	94	380353	25.0	24.0	
120 Hexachlorobutadiene	225	11.597	11.597	0.000	98	171530	25.0	23.1	
121 Naphthalene	128	11.725	11.725	0.000	97	858723	25.0	24.3	
122 1,2,3-Trichlorobenzene	180	11.914	11.914	0.000	96	368457	25.0	24.5	

Reagents:

8260 CORP mix_00179	Amount Added: 12.50	Units: uL	
GAS CORP mix_00383	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00010	Amount Added: 1.00	Units: uL	Run Reagent

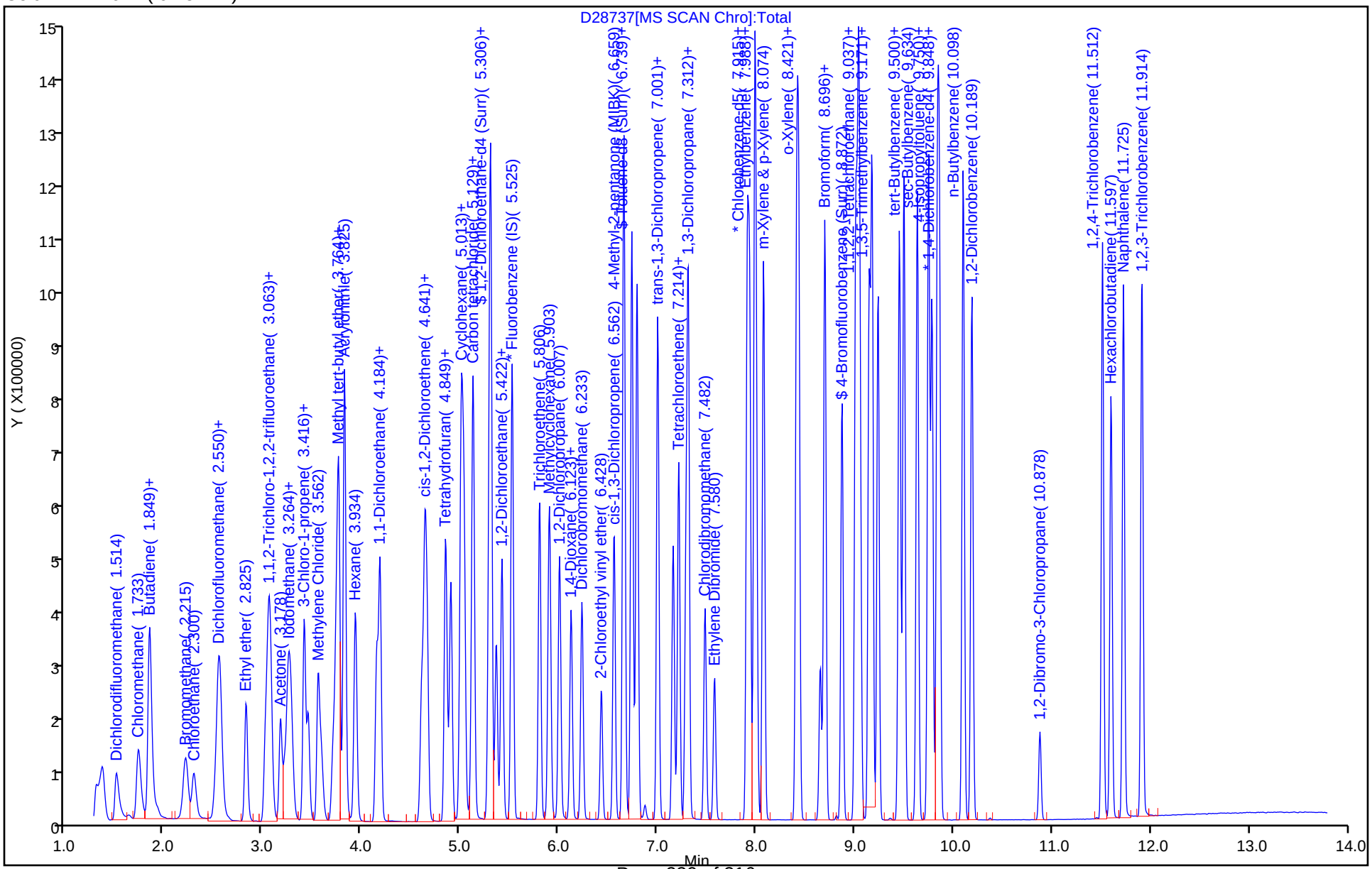
Report Date: 13-Feb-2020 09:38:50 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28737.D

Injection Date:	13-Feb-2020 09:21:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0800.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	20-Jan-2020 16:45:30	ALS Bottle#:	3	Worklist Smp#:	4
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0087605-004				
Operator ID:	LH	Instrument ID:	HP5973N		
Method:	\\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	21-Jan-2020 10:14:17	Calib Date:	21-Jan-2020 01:14:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX0303				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	2.964	2.964	0.000	0	639198	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

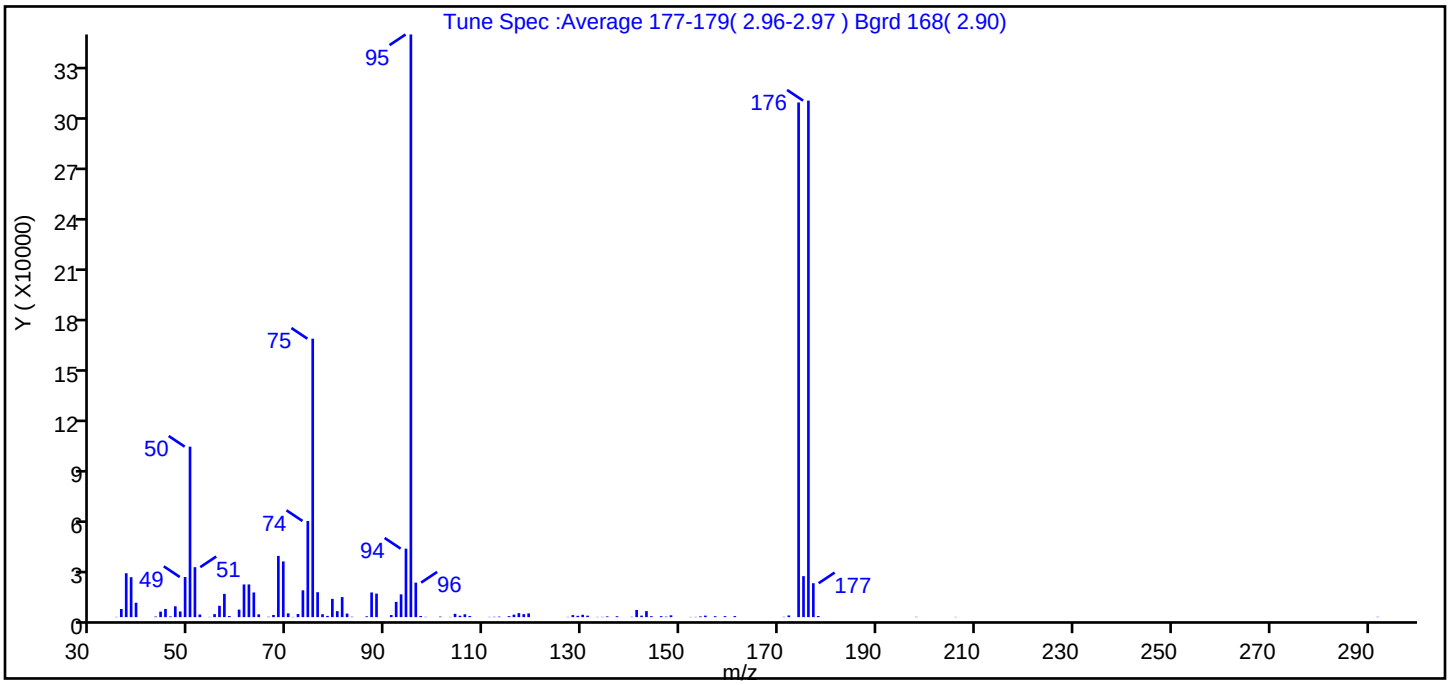
BFB_WRK_00100 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0800.D
Injection Date: 20-Jan-2020 16:45:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	29.3
75	30 to 60% of m/z 95	47.8
96	5 to 9% of m/z 95	5.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	88.3
175	5 to 9% of m/z 174	7.0 (8.0)
176	Greater than 95% but less than 101% of m/z 174	88.6 (100.4)
177	5 to 9% of m/z 176	5.8 (6.6)

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0800.D\N-8260.rslt\spectra.d
Injection Date: 20-Jan-2020 16:45:30
Spectrum: Tune Spec :Average 177-179(2.96-2.97) Bgrd 168(2.90)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 103

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	148	66.00	218	96.00	20248	140.00	205
36.00	4787	67.00	1268	97.00	670	141.00	4211
37.00	25752	68.00	35904	98.00	179	142.00	895
38.00	23424	69.00	32664	101.00	312	143.00	3537
39.00	8446	70.00	2239	103.00	143	144.00	554
42.00	10	71.00	143	104.00	1971	146.00	578
43.00	361	72.00	1846	105.00	829	147.00	288
44.00	3239	73.00	15726	106.00	1681	148.00	1059
45.00	4804	74.00	56376	107.00	638	152.00	133
46.00	407	75.00	163264	111.00	143	153.00	148
47.00	6361	76.00	14615	112.00	193	154.00	433
48.00	3344	77.00	1719	113.00	321	155.00	885
49.00	23528	78.00	720	115.00	583	157.00	552
50.00	99960	79.00	10717	116.00	1461	159.00	591
51.00	29304	80.00	3528	117.00	2341	161.00	624
52.00	1550	81.00	11778	118.00	1760	171.00	183
54.00	149	82.00	2106	119.00	2189	172.00	984
55.00	1782	83.00	224	127.00	152	174.00	301760
56.00	6662	86.00	490	128.00	1208	175.00	24040
57.00	13660	87.00	14469	129.00	781	176.00	302848
58.00	659	88.00	13798	130.00	1374	177.00	19888
60.00	4420	91.00	1230	131.00	862	178.00	637
61.00	19168	92.00	8942	133.00	133	198.00	182
62.00	19184	93.00	13368	134.00	168	206.00	140
63.00	14464	94.00	40168	135.00	453	292.00	184
64.00	1650	95.00	341632	137.00	542		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1585.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	12-Feb-2020 19:46:30	ALS Bottle#:	22	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0088134-002				
Operator ID:	AM	Instrument ID:	HP5973N		
Method:	\\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	13-Feb-2020 07:24:23	Calib Date:	21-Jan-2020 01:14:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX0333				
First Level Reviewer: lapointec		Date:	13-Feb-2020 07:24:22		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	3.025	3.025	0.000	92	969711	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

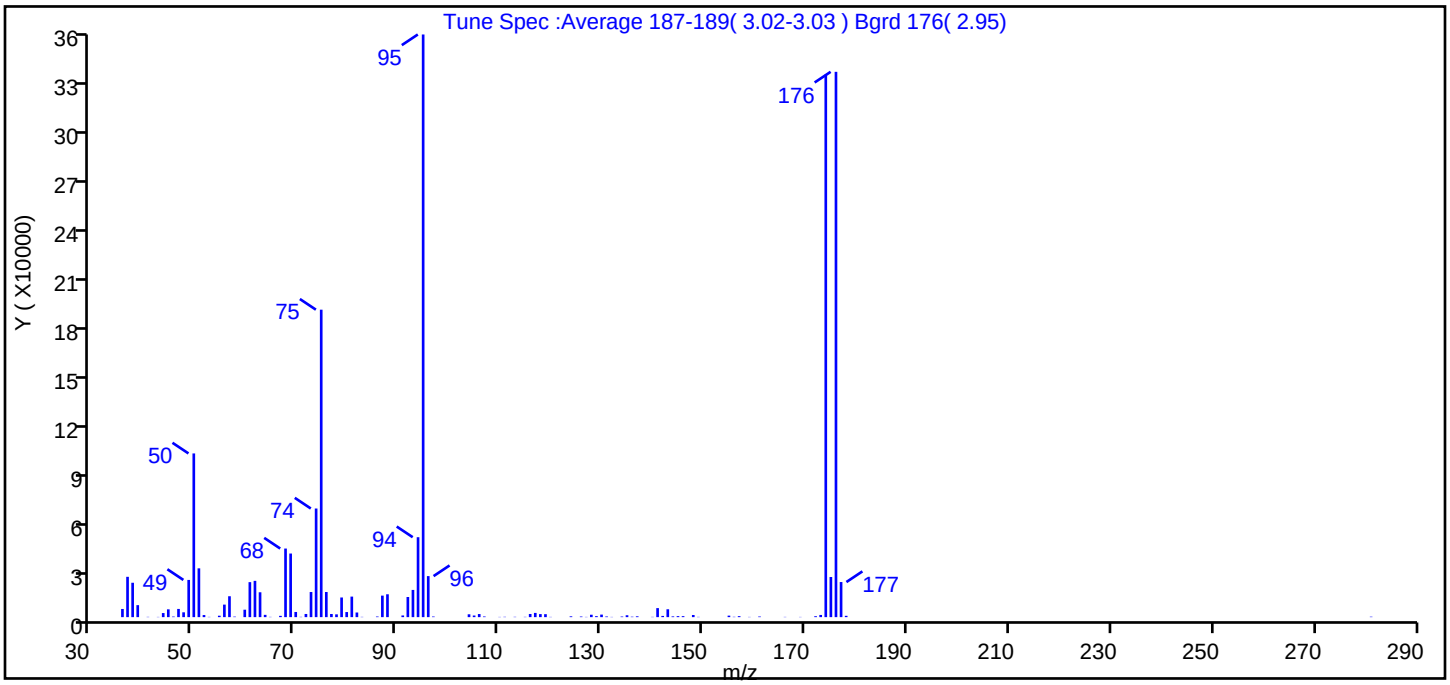
BFB_WRK_00101 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1585.D
Injection Date: 12-Feb-2020 19:46:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 22 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	28.1
75	30 to 60% of m/z 95	52.8
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.4 (0.4)
174	50 to 120% of m/z 95	93.1
175	5 to 9% of m/z 174	6.9 (7.4)
176	Greater than 95% but less than 101% of m/z 174	93.6 (100.5)
177	5 to 9% of m/z 176	6.0 (6.4)

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1585.D\N-8260.rslt\spectra.d
Injection Date: 12-Feb-2020 19:46:30
Spectrum: Tune Spec :Average 187-189(3.02-3.03) Bgrd 176(2.95)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 102

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4938	67.00	781	97.00	366	140.00	163
37.00	24392	68.00	41496	104.00	1726	141.00	5464
38.00	20800	69.00	38480	105.00	987	142.00	738
39.00	7254	70.00	3127	106.00	1872	143.00	4766
41.00	169	71.00	175	107.00	400	144.00	451
43.00	137	72.00	1918	110.00	138	145.00	612
44.00	2473	73.00	15195	111.00	201	146.00	594
45.00	4726	74.00	65712	113.00	193	148.00	1297
46.00	344	75.00	185984	115.00	175	149.00	158
47.00	4962	76.00	15203	116.00	1910	155.00	909
48.00	2925	77.00	1906	117.00	2558	156.00	207
49.00	22512	78.00	1695	118.00	1838	157.00	598
50.00	99024	79.00	11892	119.00	1800	159.00	141
51.00	29520	80.00	3075	120.00	146	161.00	378
52.00	1269	81.00	12427	124.00	490	166.00	151
53.00	156	82.00	2806	126.00	371	169.00	135
55.00	863	83.00	163	127.00	140	172.00	562
56.00	7582	86.00	380	128.00	1461	173.00	1321
57.00	12649	87.00	13019	129.00	598	174.00	328192
58.00	316	88.00	13836	130.00	1541	175.00	24280
60.00	4504	91.00	1013	131.00	396	176.00	329856
61.00	21168	92.00	12182	132.00	138	177.00	21232
62.00	21952	93.00	16464	134.00	365	178.00	804
63.00	15048	94.00	48352	135.00	1146	281.00	271
64.00	1386	95.00	352448	136.00	273		
65.00	160	96.00	24824	137.00	505		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2180.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 20-Jan-2020 13:36:30 ALS Bottle#: 1 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0087606-005
Operator ID: LH Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:07:37 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 13:04:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.696	4.696	0.000	0	78566	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

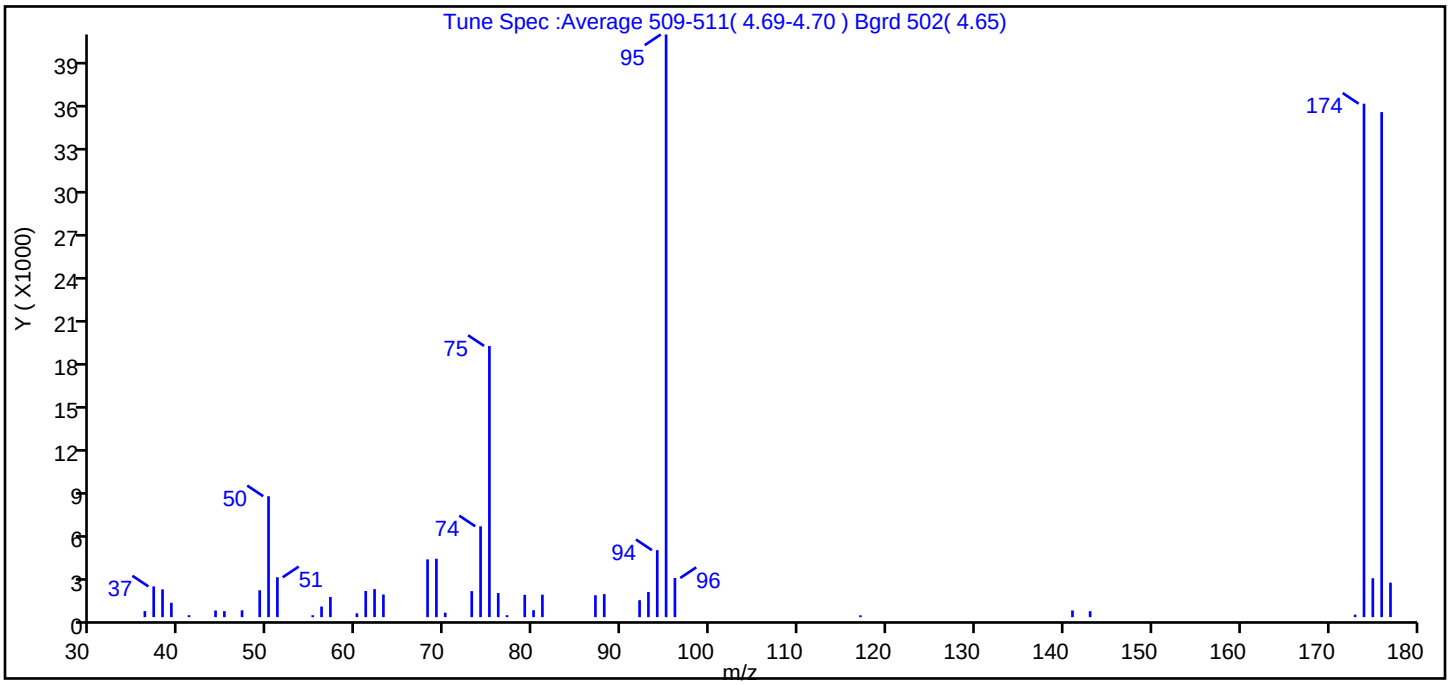
BFB_WRK_00100 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2180.D
Injection Date: 20-Jan-2020 13:36:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 1 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.8
75	30 to 60% of m/z 95	46.5
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	88.1
175	5 to 9% of m/z 174	6.7 (7.6)
176	Greater than 95% but less than 101% of m/z 174	86.7 (98.4)
177	5 to 9% of m/z 176	5.9 (6.8)

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2180.D\D-8260.rslt\spectra.d
Injection Date: 20-Jan-2020 13:36:30
Spectrum: Tune Spec :Average 509-511(4.69-4.70) Bgrd 502(4.65)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	416	55.00	132	75.00	18648	96.00	2692
37.00	2112	56.00	729	76.00	1658	117.00	123
38.00	1909	57.00	1388	77.00	134	141.00	462
39.00	988	60.00	262	79.00	1533	143.00	410
40.00	5	61.00	1796	80.00	481	173.00	171
41.00	134	62.00	1924	81.00	1544	174.00	35304
44.00	459	63.00	1557	87.00	1502	175.00	2676
45.00	413	68.00	3972	88.00	1586	176.00	34728
47.00	469	69.00	4015	92.00	1165	177.00	2373
49.00	1847	70.00	310	93.00	1732		
50.00	8314	73.00	1790	94.00	4607		
51.00	2742	74.00	6247	95.00	40064		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28736.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	13-Feb-2020 08:57:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0088144-002				
Operator ID:	OI	Instrument ID:	HP5975D		
Method:	\\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	13-Feb-2020 09:11:10	Calib Date:	20-Jan-2020 21:39:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0338				
First Level Reviewer: izquierdoo		Date:	13-Feb-2020 09:11:10		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.708	4.708	0.000	0	53435	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

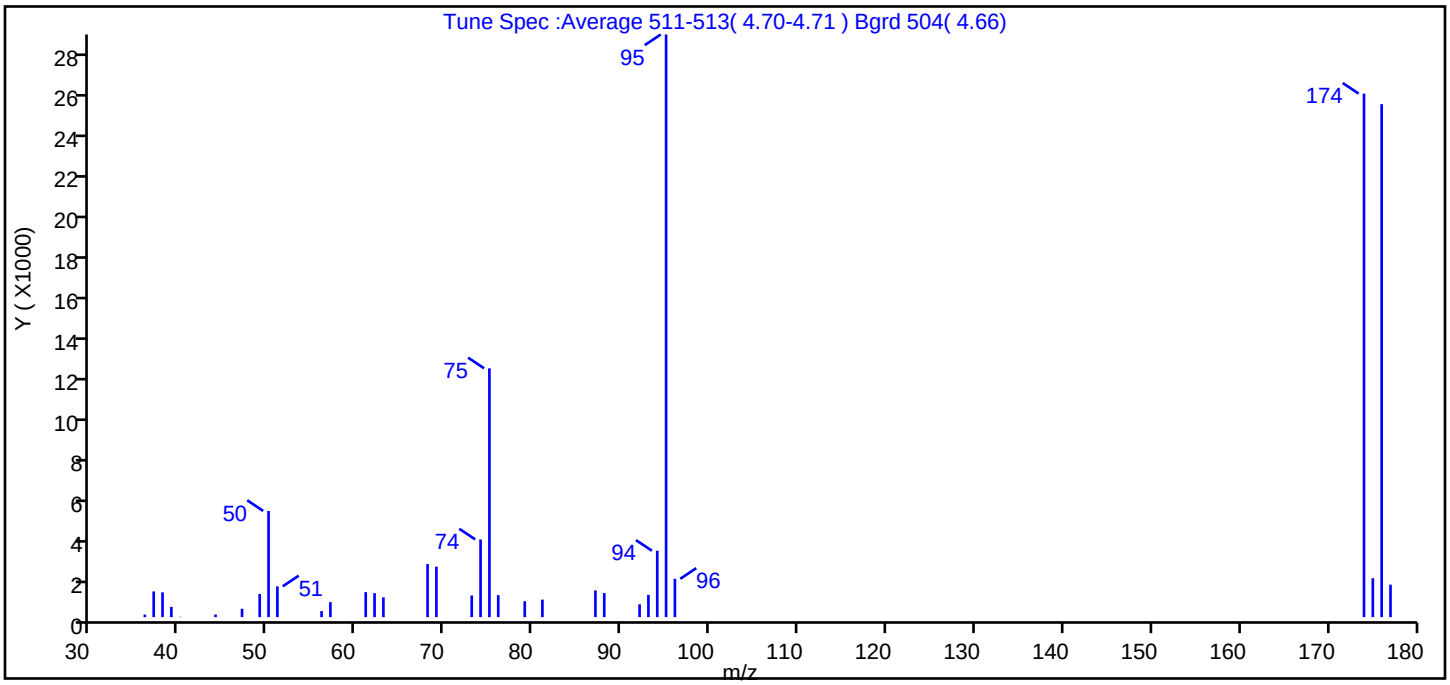
BFB_WRK_00101 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28736.D
Injection Date: 13-Feb-2020 08:57:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: OI ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.2
75	30 to 60% of m/z 95	42.7
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	89.9
175	5 to 9% of m/z 174	6.7 (7.4)
176	Greater than 95% but less than 101% of m/z 174	88.0 (98.0)
177	5 to 9% of m/z 176	5.6 (6.3)

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28736.D\D-8260.rslt\spectra.d
Injection Date: 13-Feb-2020 08:57:30
Spectrum: Tune Spec :Average 511-513(4.70-4.71) Bgrd 504(4.66)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	125	51.00	1495	74.00	3774	94.00	3225
37.00	1250	56.00	293	75.00	12084	95.00	28296
38.00	1203	57.00	729	76.00	1069	96.00	1861
39.00	499	61.00	1215	79.00	774	174.00	25424
40.00	15	62.00	1165	81.00	852	175.00	1891
44.00	126	63.00	959	87.00	1297	176.00	24912
47.00	408	68.00	2578	88.00	1169	177.00	1578
49.00	1126	69.00	2449	92.00	622		
50.00	5157	73.00	1051	93.00	1079		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-517279/8

Matrix: Water Lab File ID: N1591.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 02/12/2020 22:11

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517279 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-517279/8

Matrix: Water Lab File ID: N1591.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 02/12/2020 22:11

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517279 Units: ug/L

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

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

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1591.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 12-Feb-2020 22:11:30 ALS Bottle#: 28 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0088134-008
Operator ID: AM Instrument ID: HP5973N

Method: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Feb-2020 08:33:14 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 13-Feb-2020 08:33:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	98	194322	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.366	8.360	0.006	90	701489	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	96	366172	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	93	238479	25.0	23.6	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	99	346267	25.0	24.6	
$ 6 Toluene-d8 (Surr)	98	6.875	6.875	0.000	95	896034	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	91	278686	25.0	23.6	
11 Dichlorodifluoromethane	85		1.254					ND	
12 Chlorodifluoromethane	51		1.279					ND	
13 Chloromethane	50		1.431					ND	
14 Vinyl chloride	62		1.522					ND	
144 Butadiene	54		1.522					ND	
15 Bromomethane	94		1.808					ND	
16 Chloroethane	64		1.899					ND	U
18 Trichlorofluoromethane	101		2.112					ND	
17 Dichlorofluoromethane	67		2.112					ND	
19 Ethyl ether	59		2.392					ND	
141 Ethanol	45		2.416					ND	
81 Propene oxide	58		2.477					ND	
20 Acrolein	56		2.568					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.599					ND	
22 1,1-Dichloroethene	96		2.605					ND	
23 Acetone	43		2.733					ND	
24 Iodomethane	142		2.757					ND	
25 Carbon disulfide	76		2.793					ND	
26 Isopropyl alcohol	45		2.921					ND	
27 3-Chloro-1-propene	41		2.976					ND	
28 Methyl acetate	43		3.025					ND	
29 Acetonitrile	40		3.037					ND	
30 Methylene Chloride	84		3.116					ND	
31 2-Methyl-2-propanol	59		3.298					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.329					ND	
33 trans-1,2-Dichloroethene	96		3.341					ND	
34 Acrylonitrile	53		3.408					ND	
35 Hexane	57		3.536					ND	
36 1,1-Dichloroethane	63		3.761					ND	
37 Isopropyl ether	45		3.773					ND	
38 2-Chloro-1,3-butadiene	53		3.815					ND	
39 Vinyl acetate	43		3.815					ND	
40 1,1-Dimethoxyethane	75		3.852					ND	
41 Tert-butyl ethyl ether	59		4.113					ND	
42 2,2-Dichloropropane	77		4.284					ND	
43 cis-1,2-Dichloroethene	96		4.320					ND	
44 2-Butanone (MEK)	43		4.357					ND	
45 Ethyl acetate	43		4.387					ND	
46 Propionitrile	54		4.460					ND	
47 Chlorobromomethane	128		4.551					ND	
48 Methacrylonitrile	67		4.570					ND	
49 Tetrahydrofuran	42		4.570					ND	
50 Chloroform	83		4.631					ND	
52 Cyclohexane	56		4.740					ND	
51 1,1,1-Trichloroethane	97		4.740					ND	
53 Carbon tetrachloride	117		4.874					ND	
54 1,1-Dichloropropene	75		4.892					ND	
146 Isooctane	57		5.087					ND	
55 Benzene	78		5.093					ND	
56 Isobutyl alcohol	43		5.129					ND	
57 1,2-Dichloroethane	62		5.166					ND	
58 Tert-amyl methyl ether	73		5.172					ND	
140 t-Amyl alcohol	59		5.178					ND	
59 n-Heptane	43		5.275					ND	
1 1,4-Difluorobenzene	114		5.476					ND	
60 Trichloroethene	95		5.707					ND	
61 n-Butanol	56		5.744					ND	
62 Methylcyclohexane	83		5.823					ND	
145 Ethyl acrylate	55		5.835					ND	
63 1,2-Dichloropropane	63		5.951					ND	
65 Methyl methacrylate	41		6.048					ND	
64 Dibromomethane	93		6.091					ND	
66 1,4-Dioxane	88		6.103					ND	
67 Dichlorobromomethane	83		6.243					ND	
68 2-Nitropropane	43		6.492					ND	
69 2-Chloroethyl vinyl ether	63		6.523					ND	
70 Epichlorohydrin	57		6.614					ND	
71 cis-1,3-Dichloropropene	75		6.656					ND	
72 4-Methyl-2-pentanone (MIBK	58		6.802					ND	U
73 Toluene	92		6.942					ND	
74 2-Methylthiophene	97		7.076					ND	
75 trans-1,3-Dichloropropene	75		7.228					ND	
76 3-Methylthiophene	97		7.247					ND	
77 Ethyl methacrylate	69		7.271					ND	
78 1,1,2-Trichloroethane	83		7.417					ND	
79 Tetrachloroethene	166		7.472					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.581					ND	
82 2-Hexanone	43		7.648					ND	
149 n-Butyl acetate	43		7.751					ND	
83 Chlorodibromomethane	129		7.812					ND	
84 Ethylene Dibromide	107		7.916					ND	
139 1-Chlorohexane	55		8.342					ND	U
86 3-Chlorobenzotrifluoride	180		8.366					ND	
85 Chlorobenzene	112		8.390					ND	
87 4-Chlorobenzotrifluoride	180		8.427					ND	
88 Ethylbenzene	91		8.481					ND	
89 1,1,1,2-Tetrachloroethane	131		8.494					ND	
90 m-Xylene & p-Xylene	106		8.609					ND	
91 o-Xylene	106		9.035					ND	
92 Styrene	104		9.066					ND	
93 Bromoform	173		9.321					ND	
94 2-Chlorobenzotrifluoride	180		9.345					ND	
95 Isopropylbenzene	105		9.418					ND	
96 Cyclohexanone	55		9.595					ND	
97 Bromobenzene	156		9.771					ND	
98 1,1,2,2-Tetrachloroethane	83		9.832					ND	
100 N-Propylbenzene	91		9.850					ND	
99 1,2,3-Trichloropropane	110		9.862					ND	
101 trans-1,4-Dichloro-2-buten	53		9.881					ND	
102 2-Chlorotoluene	126		9.954					ND	
103 3-Chlorotoluene	126		10.021					ND	
104 1,3,5-Trimethylbenzene	105		10.033					ND	
105 4-Chlorotoluene	91		10.069					ND	
106 tert-Butylbenzene	134		10.349					ND	
108 1,2,4-Trimethylbenzene	105		10.404					ND	
107 Pentachloroethane	167		10.410					ND	
109 sec-Butylbenzene	105		10.562					ND	
110 1,3-Dichlorobenzene	146		10.696					ND	
111 4-Isopropyltoluene	119		10.702					ND	
112 Dicyclopentadiene	66		10.763					ND	
113 1,4-Dichlorobenzene	146		10.787					ND	
114 1,2,3-Trimethylbenzene	105		10.811					ND	
143 Benzyl chloride	126		10.939					ND	
115 n-Butylbenzene	91		11.091					ND	
116 1,2-Dichlorobenzene	146		11.140					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.876					ND	
118 1,3,5-Trichlorobenzene	180		12.004					ND	
119 1,2,4-Trichlorobenzene	180		12.551					ND	
120 Hexachlorobutadiene	225		12.661					ND	
121 Naphthalene	128		12.764					ND	
122 1,2,3-Trichlorobenzene	180		12.965					ND	
142 2-Methylnaphthalene	142		13.683					ND	
131 Aziridine TIC	1		0.000					ND	
138 1-Bromopropane	1		0.000					ND	
133 Halothane	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 Total BTEX	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00184	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00393	Amount Added:	1.00	Units: uL	Run Reagent

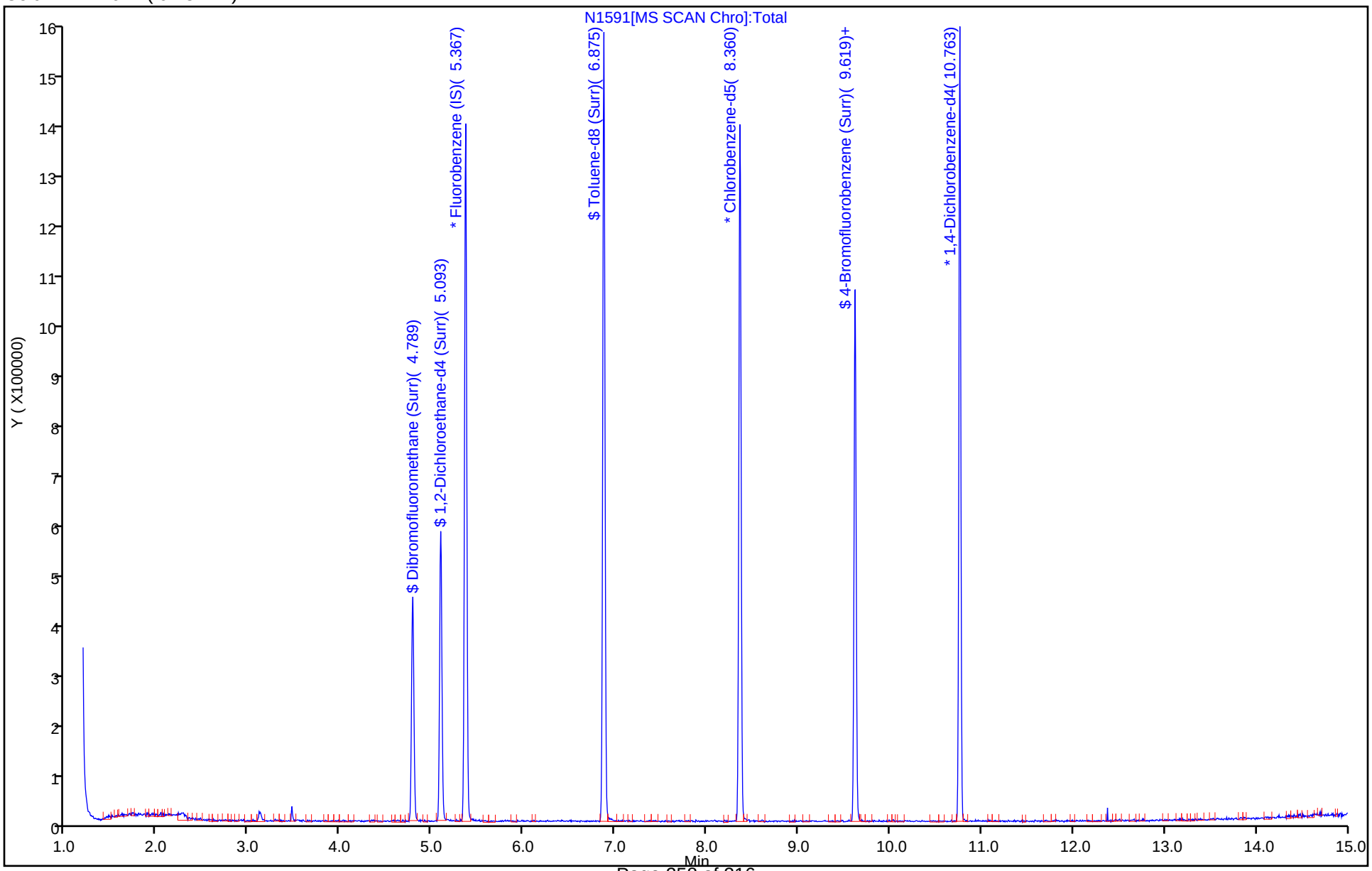
Report Date: 13-Feb-2020 08:33:14 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1591.D

Injection Date:	12-Feb-2020 22:11:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



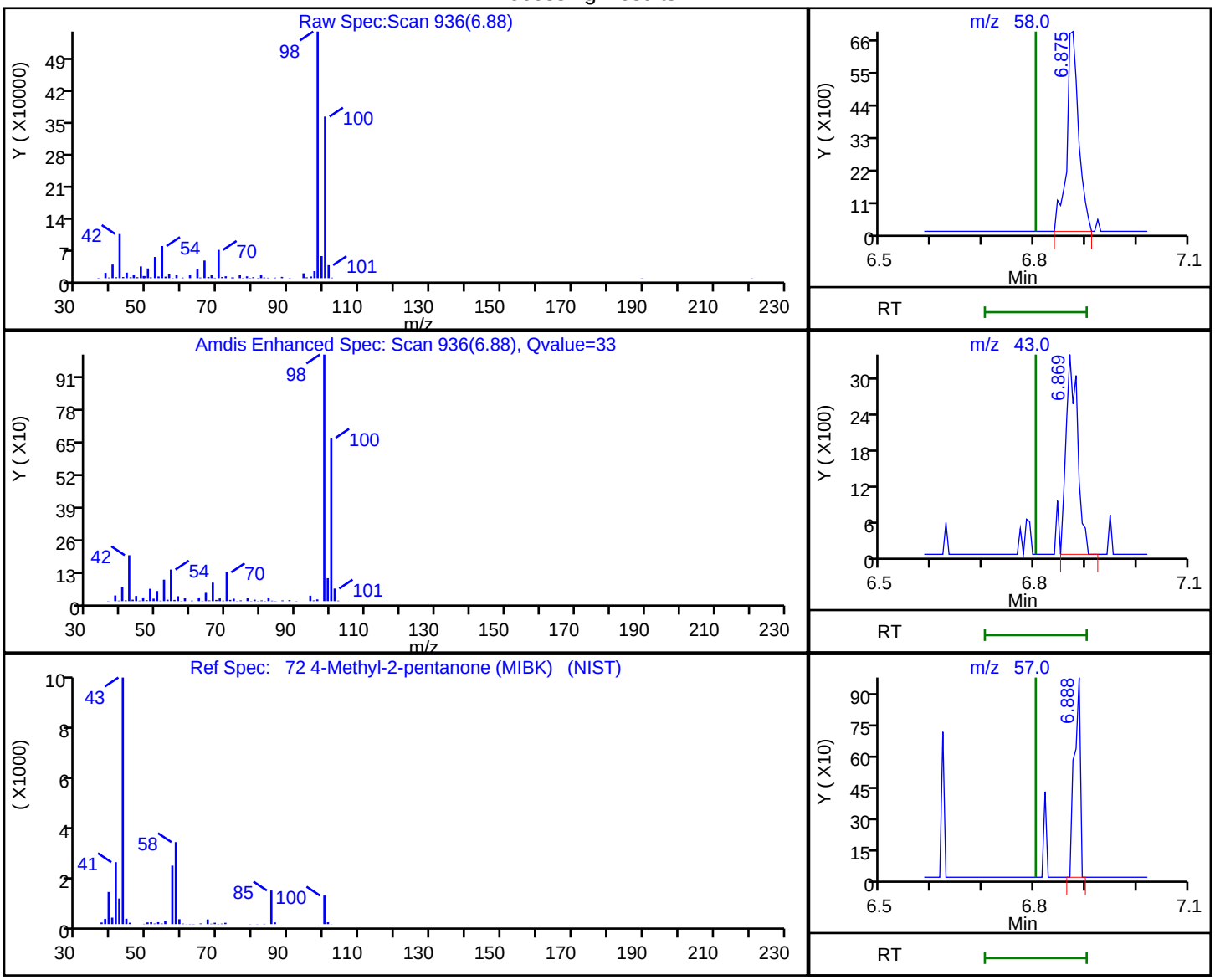
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1591.D
Injection Date: 12-Feb-2020 22:11:30 Instrument ID: HP5973N
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 28 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.88	58.00	11126	1.922835
6.87	43.00	5249	
6.89	57.00	795	

Reviewer: lapointec, 13-Feb-2020 08:30:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

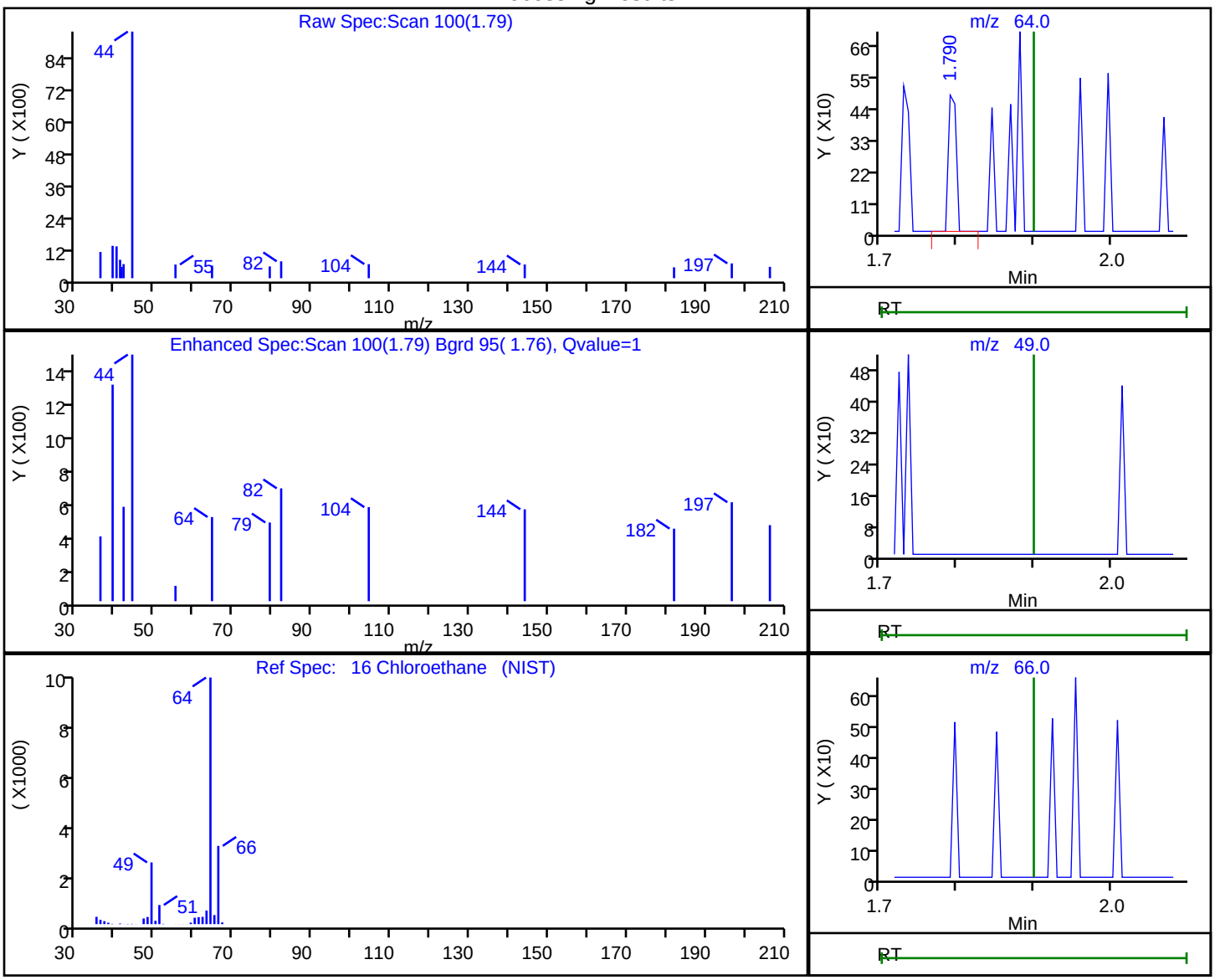
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1591.D
Injection Date: 12-Feb-2020 22:11:30 Instrument ID: HP5973N
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 28 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.79	64.00	338	0.038554
1.90	49.00	0	
1.90	66.00	0	

Reviewer: lapointec, 13-Feb-2020 08:30:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-517370/7

Matrix: Water Lab File ID: D28741.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 10:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517370 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-517370/7

Matrix: Water Lab File ID: D28741.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 10:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517370 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28741.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 13-Feb-2020 10:53:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0088144-007
Operator ID: OI Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Feb-2020 11:12:43 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0338

First Level Reviewer: izquierdoo Date: 13-Feb-2020 11:12:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.525	5.526	-0.001	99	153973	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.909	7.909	0.000	85	334029	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	0.000	94	368513	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.038	5.038	0.000	93	236670	25.0	23.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.306	5.306	0.000	98	122001	25.0	23.2	
$ 5 Toluene-d8 (Surr)	98	6.739	6.739	0.000	93	789575	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	8.872	8.872	0.000	94	277947	25.0	24.7	
10 Dichlorodifluoromethane	85		1.514					ND	
11 Chlorodifluoromethane	51		1.545					ND	
12 Chloromethane	50		1.733					ND	
144 Butadiene	54		1.849					ND	
13 Vinyl chloride	62		1.855					ND	
14 Bromomethane	94		2.215					ND	U
15 Chloroethane	64		2.300					ND	
16 Dichlorofluoromethane	67		2.550					ND	
17 Trichlorofluoromethane	101		2.557					ND	
18 Ethyl ether	59		2.825					ND	
141 Ethanol	45		2.855					ND	
19 Propene oxide	58		2.928					ND	
20 Acrolein	56		3.020					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.056					ND	
22 1,1-Dichloroethene	96		3.069					ND	
23 Acetone	43		3.178					ND	
25 Iodomethane	142		3.245					ND	
26 Carbon disulfide	76		3.276					ND	
24 Isopropyl alcohol	45		3.355					ND	
28 3-Chloro-1-propene	41		3.416					ND	
27 Methyl acetate	43		3.459					ND	
29 Acetonitrile	40		3.483					ND	
30 Methylene Chloride	84		3.562					ND	Ua
31 2-Methyl-2-propanol	59		3.709					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.745					ND	
34 trans-1,2-Dichloroethene	96		3.770					ND	
33 Acrylonitrile	53		3.825					ND	
35 Hexane	57		3.934					ND	
36 Isopropyl ether	45		4.142					ND	
39 1,1-Dichloroethane	63		4.154					ND	
132 Halothane	117		4.172					ND	
37 Vinyl acetate	43		4.184					ND	
40 2-Chloro-1,3-butadiene	53		4.203					ND	
38 1,1-Dimethoxyethane	75		4.221					ND	
41 Tert-butyl ethyl ether	59		4.440					ND	
44 2,2-Dichloropropane	77		4.611					ND	
45 cis-1,2-Dichloroethene	96		4.641					ND	
43 2-Butanone (MEK)	43		4.666					ND	
42 Ethyl acetate	43		4.678					ND	
46 Propionitrile	54		4.763					ND	
48 Chlorobromomethane	128		4.849					ND	
47 Methacrylonitrile	41		4.855					ND	
49 Tetrahydrofuran	42		4.861					ND	
50 Chloroform	83		4.904					ND	Ua
51 1,1,1-Trichloroethane	97		5.007					ND	
52 Cyclohexane	56		5.013					ND	
55 Carbon tetrachloride	117		5.123					ND	
54 1,1-Dichloropropene	75		5.129					ND	
146 Isooctane	57		5.282					ND	
53 Isobutyl alcohol	43		5.288					ND	
57 Benzene	78		5.306					ND	
140 t-Amyl alcohol	59		5.343					ND	
56 Tert-amyl methyl ether	73		5.349					ND	
58 1,2-Dichloroethane	62		5.367					ND	
59 n-Heptane	43		5.422					ND	
1 1,4-Difluorobenzene	114		5.605					ND	
154 2,4,4-Trimethyl-1-pentene	55		5.696					ND	
60 n-Butanol	56		5.794					ND	
62 Trichloroethene	95		5.806					ND	
145 Ethyl acrylate	55		5.873					ND	
153 2,4,4-Trimethyl-2-pentene	97		5.879					ND	
64 Methylcyclohexane	83		5.903					ND	
65 1,2-Dichloropropane	63		6.007					ND	
63 Methyl methacrylate	41		6.050					ND	
66 1,4-Dioxane	88		6.111					ND	
67 Dibromomethane	93		6.123					ND	
68 Dichlorobromomethane	83		6.233					ND	
69 2-Chloroethyl vinyl ether	63		6.428					ND	
70 2-Nitropropane	43		6.428					ND	
71 Epichlorohydrin	57		6.525					ND	
72 cis-1,3-Dichloropropene	75		6.562					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.659					ND	U
74 Toluene	92		6.793					ND	
76 2-Methylthiophene	97		6.903					ND	
77 trans-1,3-Dichloropropene	75		7.001					ND	
75 Ethyl methacrylate	69		7.007					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		7.037					ND	
79 1,1,2-Trichloroethane	83		7.159					ND	
81 Tetrachloroethene	166		7.214					ND	
82 1,3-Dichloropropane	76		7.287					ND	
80 2-Hexanone	43		7.312					ND	
155 n-Butyl acetate	43		7.373					ND	
83 Chlorodibromomethane	129		7.482					ND	
84 Ethylene Dibromide	107		7.580					ND	
139 1-Chlorohexane	55		7.854					ND	U
85 3-Chlorobenzotrifluoride	180		7.867					ND	
86 4-Chlorobenzotrifluoride	180		7.909					ND	
87 Chlorobenzene	112		7.934					ND	
88 Ethylbenzene	91		7.982					ND	
89 1,1,1,2-Tetrachloroethane	131		8.001					ND	
90 m-Xylene & p-Xylene	106		8.074					ND	
91 o-Xylene	106		8.409					ND	
92 Styrene	104		8.433					ND	
93 2-Chlorobenzotrifluoride	180		8.635					ND	
95 Bromoform	173		8.653					ND	
94 Isopropylbenzene	105		8.696					ND	
96 Cyclohexanone	55		8.866					ND	
101 Bromobenzene	156		9.006					ND	
97 1,1,2,2-Tetrachloroethane	83		9.013					ND	
99 N-Propylbenzene	91		9.037					ND	
98 trans-1,4-Dichloro-2-buten	53		9.049					ND	
100 1,2,3-Trichloropropane	110		9.055					ND	
103 2-Chlorotoluene	126		9.147					ND	
102 1,3,5-Trimethylbenzene	105		9.177					ND	
104 3-Chlorotoluene	126		9.196					ND	
105 4-Chlorotoluene	126		9.238					ND	
106 tert-Butylbenzene	134		9.451					ND	
107 1,2,4-Trimethylbenzene	105		9.500					ND	
108 Pentachloroethane	167		9.525					ND	
109 sec-Butylbenzene	105		9.634					ND	
110 4-Isopropyltoluene	119		9.750					ND	
111 1,3-Dichlorobenzene	146		9.781					ND	
114 Dicyclopentadiene	66		9.848					ND	
113 1,4-Dichlorobenzene	146		9.860					ND	
112 1,2,3-Trimethylbenzene	105		9.866					ND	
143 Benzyl chloride	91		9.982					ND	
115 n-Butylbenzene	91		10.098					ND	
116 1,2-Dichlorobenzene	146		10.189					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.878					ND	
118 1,3,5-Trichlorobenzene	180		10.994					ND	
119 1,2,4-Trichlorobenzene	180		11.512					ND	
120 Hexachlorobutadiene	225		11.597					ND	
121 Naphthalene	128		11.725					ND	
122 1,2,3-Trichlorobenzene	180		11.914					ND	
142 2-Methylnaphthalene	142		12.658					ND	Ua
152 cis-1,4-Dichloro-2-butene	88		0.000					ND	
149 Hexachloroethane	117		0.000					ND	
151 Methyl acrylate	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
150 Nitrobenzene	77		0.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

D 8260 IS/SUR_00010 Amount Added: 1.00 Units: uL Run Reagent

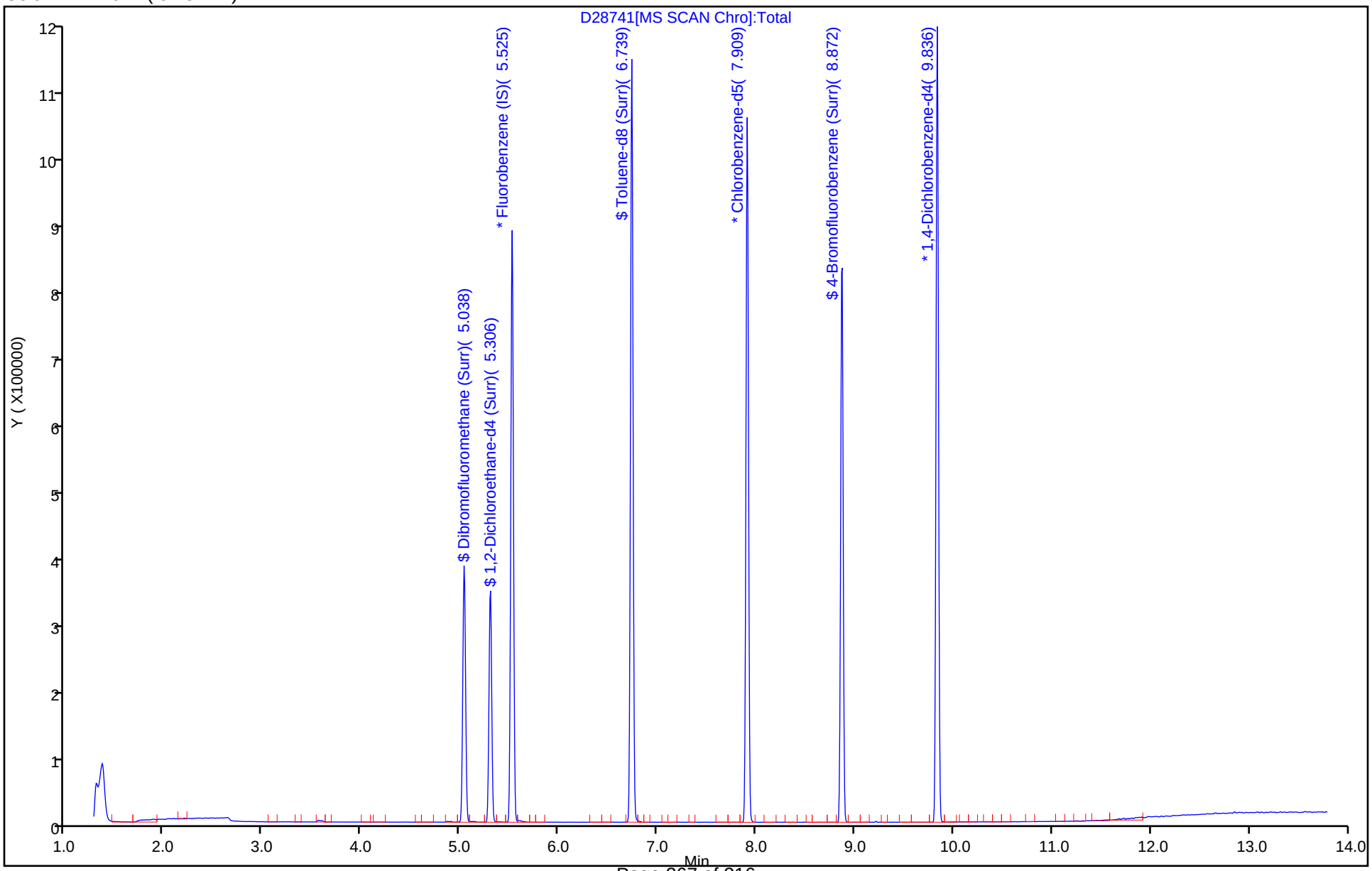
Report Date: 13-Feb-2020 11:12:43 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28741.D

Injection Date:	13-Feb-2020 10:53:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



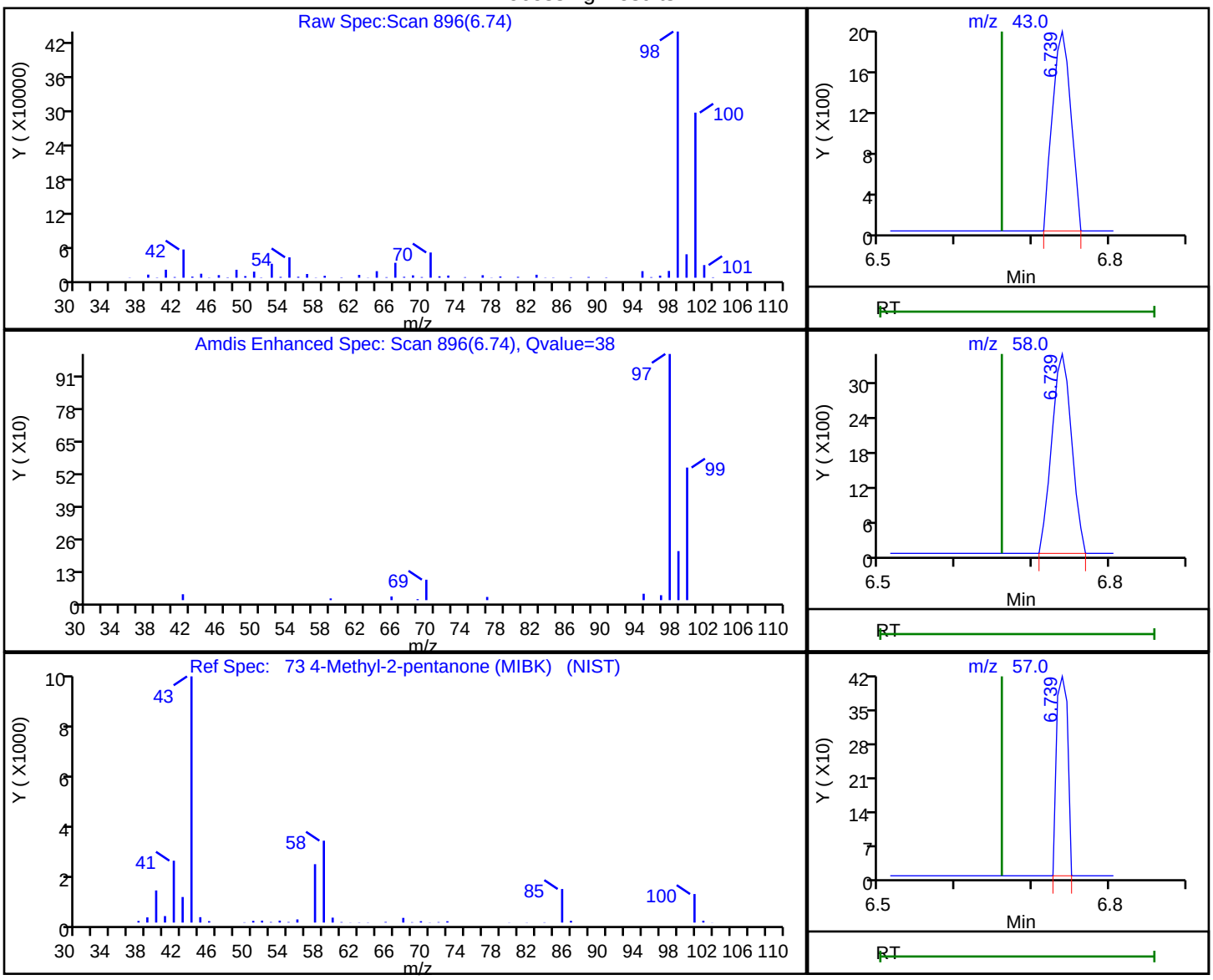
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28741.D
Injection Date: 13-Feb-2020 10:53:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.74	43.00	3252	0.386300
6.74	58.00	6226	
6.74	57.00	426	

Reviewer: izquierdoo, 13-Feb-2020 11:12:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

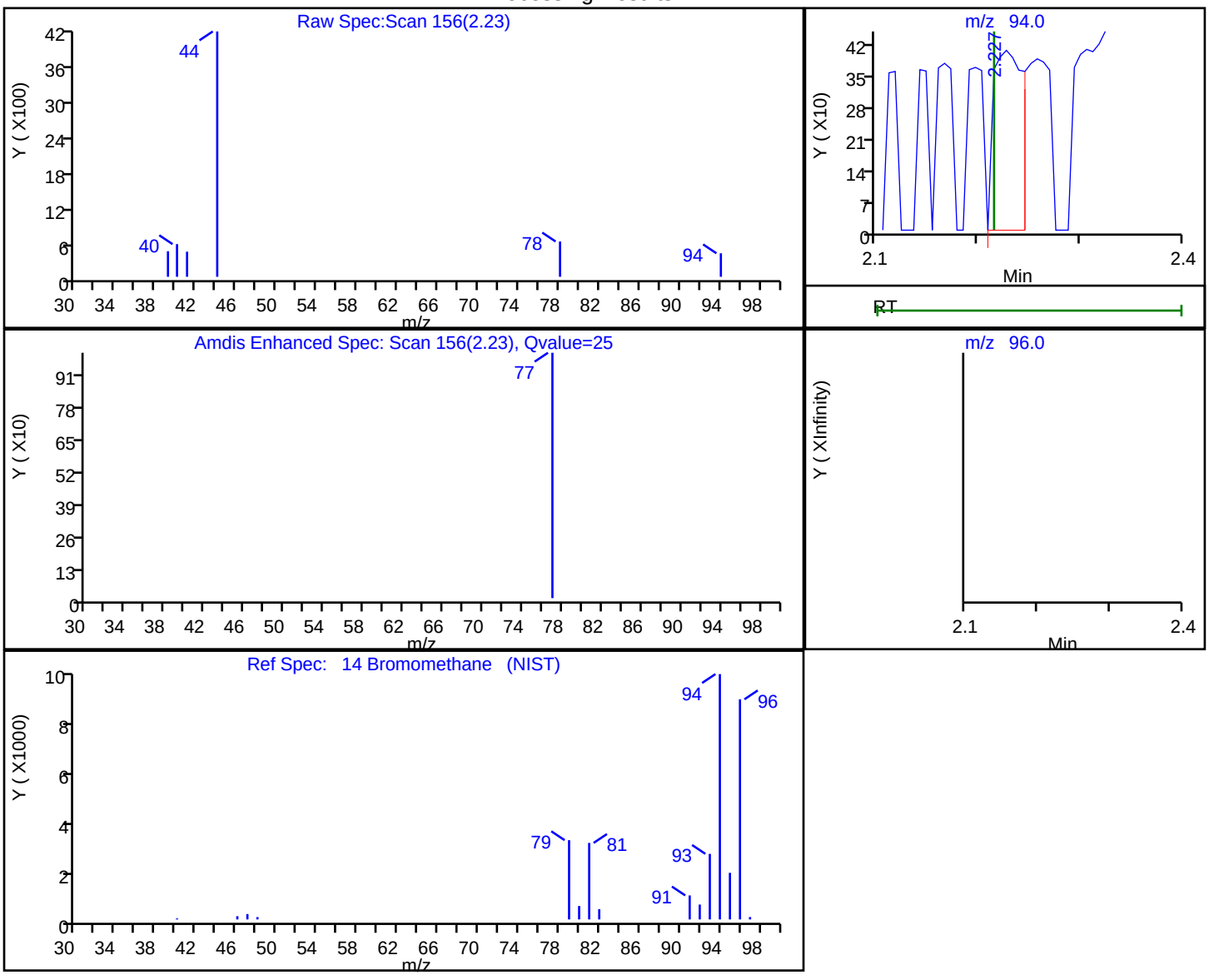
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28741.D
Injection Date: 13-Feb-2020 10:53:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.23	94.00	818	0.102500
2.22	96.00	0	

Reviewer: izquierdoo, 13-Feb-2020 11:12:31
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

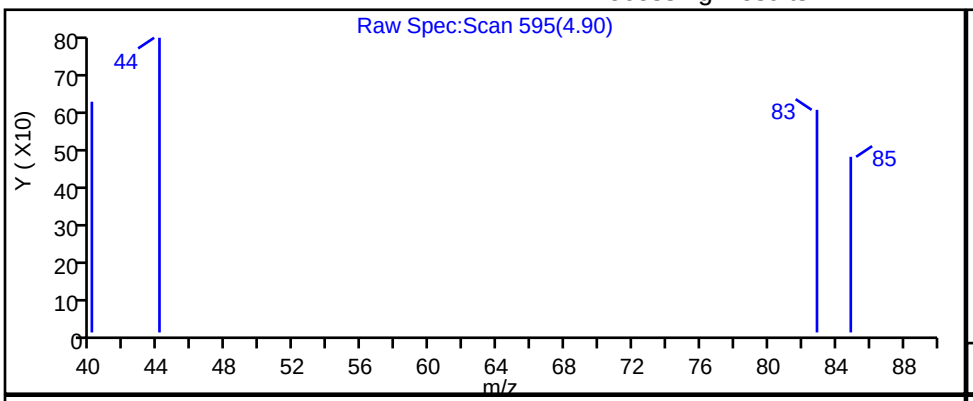
User Disabled Compound Report

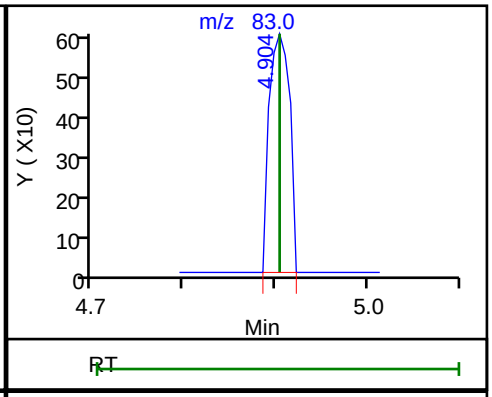
Eurofins TestAmerica, Buffalo

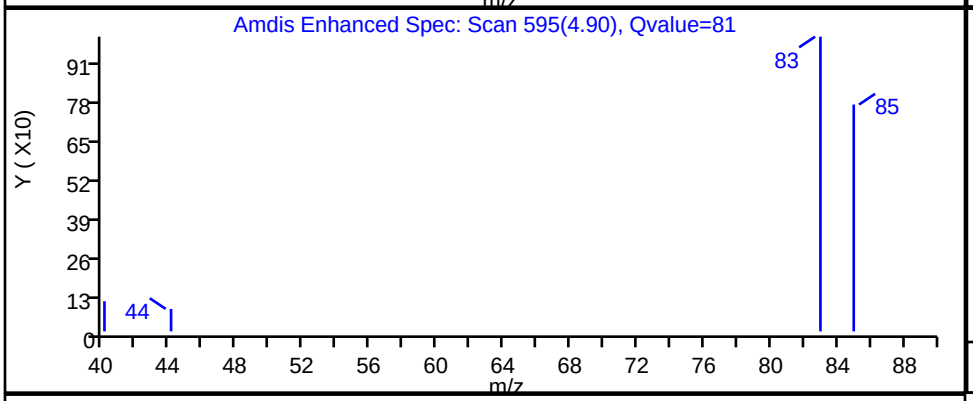
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28741.D
Injection Date: 13-Feb-2020 10:53:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

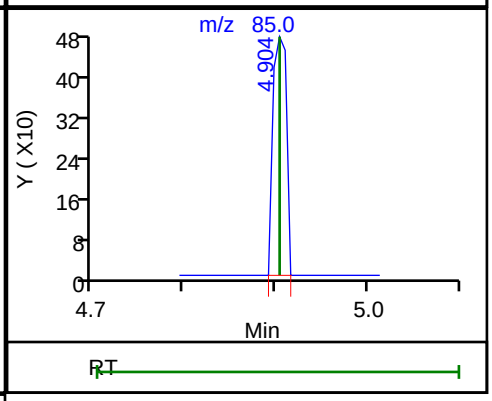
50 Chloroform, CAS: 67-66-3

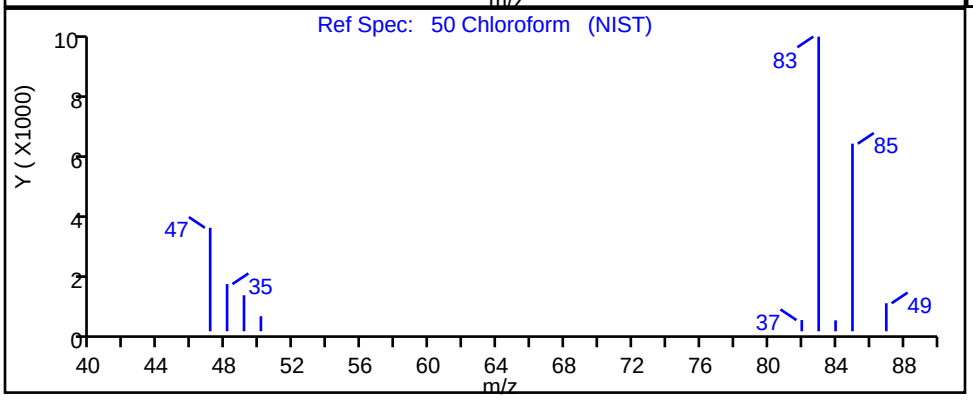
Processing Results











RT	Mass	Response	Amount
4.90	83.00	932	0.054300
4.90	85.00	489	

Reviewer: izquierdoo, 13-Feb-2020 11:12:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

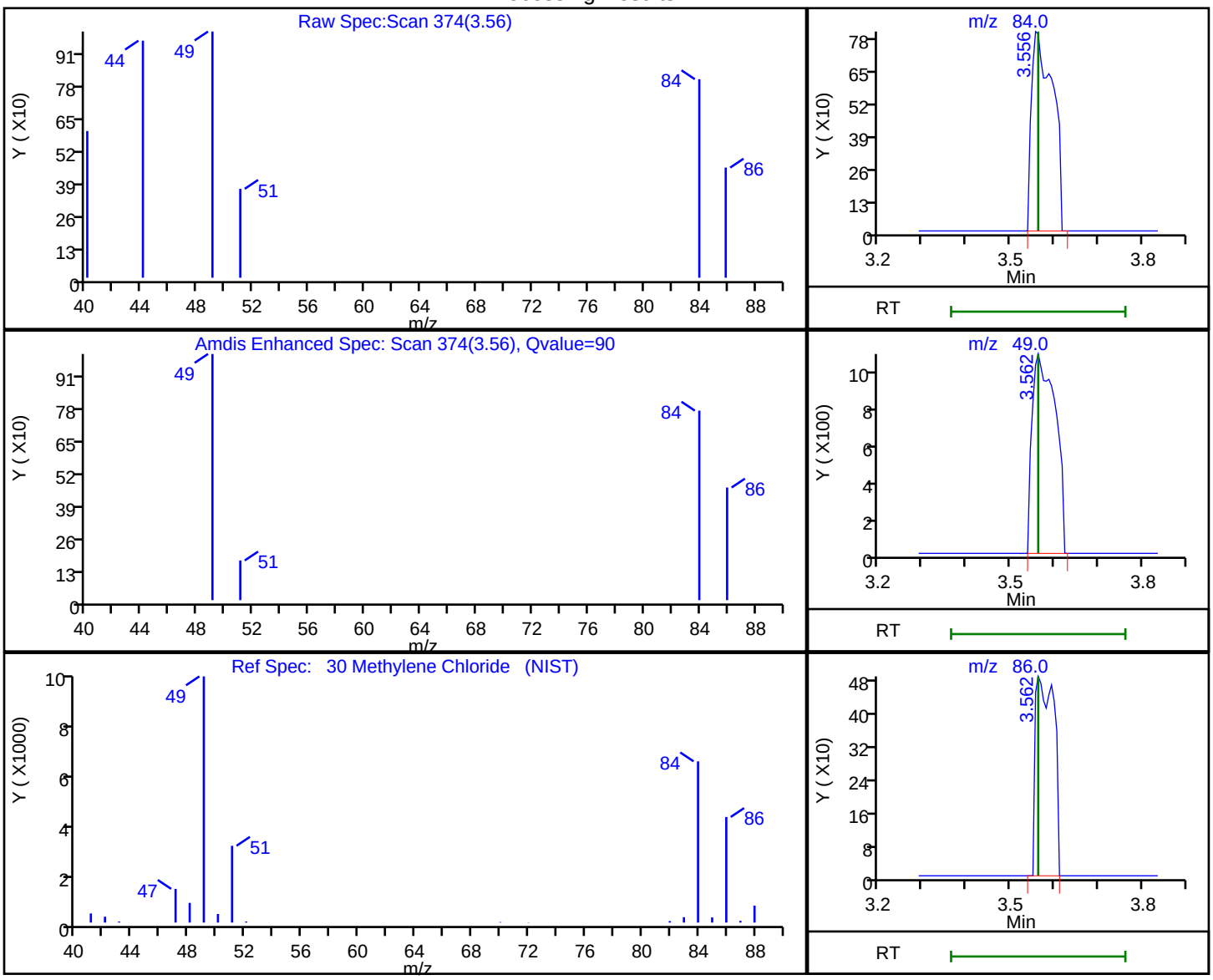
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28741.D
Injection Date: 13-Feb-2020 10:53:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.56	84.00	2705	-0.389075
3.56	49.00	3889	
3.56	86.00	1432	

Reviewer: izquierdoo, 13-Feb-2020 11:12:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-517279/6

Matrix: Water Lab File ID: N1589.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 02/12/2020 21:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	28.0		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.3		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.5		1.0	0.31
75-34-3	1,1-Dichloroethane	22.3		1.0	0.38
75-35-4	1,1-Dichloroethene	21.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	19.3		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	23.4		1.0	0.39
95-50-1	1,2-Dichlorobenzene	23.5		1.0	0.79
107-06-2	1,2-Dichloroethane	22.0		1.0	0.21
78-87-5	1,2-Dichloropropane	24.9		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.5		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.1		1.0	0.84
78-93-3	2-Butanone (MEK)	160		10	1.3
591-78-6	2-Hexanone	158		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	152		5.0	2.1
67-64-1	Acetone	150		10	3.0
71-43-2	Benzene	23.6		1.0	0.41
75-27-4	Bromodichloromethane	23.5		1.0	0.39
75-25-2	Bromoform	22.9		1.0	0.26
74-83-9	Bromomethane	22.5		1.0	0.69
75-15-0	Carbon disulfide	18.8		1.0	0.19
56-23-5	Carbon tetrachloride	21.5		1.0	0.27
108-90-7	Chlorobenzene	23.4		1.0	0.75
124-48-1	Dibromochloromethane	25.0		1.0	0.32
75-00-3	Chloroethane	23.3		1.0	0.32
67-66-3	Chloroform	22.1		1.0	0.34
74-87-3	Chloromethane	25.3		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.6		1.0	0.36
110-82-7	Cyclohexane	24.3		1.0	0.18
75-71-8	Dichlorodifluoromethane	25.6		1.0	0.68
100-41-4	Ethylbenzene	23.2		1.0	0.74
106-93-4	1,2-Dibromoethane	26.4		1.0	0.73
98-82-8	Isopropylbenzene	25.4		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-517279/6

Matrix: Water Lab File ID: N1589.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 02/12/2020 21:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517279 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	59.5		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.9		1.0	0.16
108-87-2	Methylcyclohexane	23.0		1.0	0.16
75-09-2	Methylene Chloride	23.0		1.0	0.44
100-42-5	Styrene	24.4		1.0	0.73
127-18-4	Tetrachloroethene	23.1		1.0	0.36
108-88-3	Toluene	24.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	21.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.0		1.0	0.37
79-01-6	Trichloroethene	23.3		1.0	0.46
75-69-4	Trichlorofluoromethane	22.3		1.0	0.88
75-01-4	Vinyl chloride	24.5		1.0	0.90
1330-20-7	Xylenes, Total	45.7		2.0	0.66

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

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1589.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 12-Feb-2020 21:23:30 ALS Bottle#: 26 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0088134-006
Operator ID: AM Instrument ID: HP5973N

Method: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Feb-2020 10:24:26 Calib Date: 21-Jan-2020 01:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973N\20200120-87605.b\N0820.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: lapointec Date: 13-Feb-2020 08:21:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.367	5.367	0.000	98	210398	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.366	8.360	0.006	89	779716	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.763	10.763	0.000	96	392491	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.789	4.789	0.000	93	255926	25.0	23.4	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.093	5.093	0.000	64	357766	25.0	23.4	
$ 6 Toluene-d8 (Surr)	98	6.875	6.875	0.000	95	998075	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr	174	9.619	9.619	0.000	91	321710	25.0	24.5	
11 Dichlorodifluoromethane	85	1.260	1.254	0.006	98	286826	25.0	25.6	
13 Chloromethane	50	1.437	1.455	0.006	99	483797	25.0	25.3	
14 Vinyl chloride	62	1.528	1.513	0.006	56	355989	25.0	24.5	
144 Butadiene	54	1.522	1.522	0.000	91	474702	25.0	26.1	
15 Bromomethane	94	1.808	1.813	0.000	92	200198	25.0	22.5	
16 Chloroethane	64	1.893	1.899	-0.006	96	221530	25.0	23.3	
17 Dichlorofluoromethane	67	2.106	2.112	-0.006	96	463330	25.0	22.0	
18 Trichlorofluoromethane	101	2.124	2.112	0.012	68	408101	25.0	22.3	
19 Ethyl ether	59	2.386	2.392	-0.006	98	349112	25.0	26.6	
20 Acrolein	56	2.574	2.568	0.006	99	313194	125.0	86.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.599	2.605	0.000	88	213170	25.0	21.5	
22 1,1-Dichloroethene	96	2.605	2.605	0.000	92	210540	25.0	21.0	
23 Acetone	43	2.726	2.739	-0.006	99	823968	125.0	149.5	
24 Iodomethane	142	2.769	2.757	0.012	100	390696	25.0	19.6	
25 Carbon disulfide	76	2.806	2.793	0.013	98	654711	25.0	18.8	
27 3-Chloro-1-propene	41	2.976	2.976	0.000	87	630109	25.0	22.4	
28 Methyl acetate	43	3.025	3.025	0.000	100	882005	50.0	59.5	
30 Methylene Chloride	84	3.116	3.116	0.000	91	274133	25.0	23.0	
31 2-Methyl-2-propanol	59	3.298	3.298	0.000	98	444927	250.0	325.4	
32 Methyl tert-butyl ether	73	3.329	3.329	0.000	97	790636	25.0	23.9	
33 trans-1,2-Dichloroethene	96	3.347	3.341	0.006	91	254115	25.0	21.2	
34 Acrylonitrile	53	3.408	3.408	0.000	98	2138188	250.0	311.2	
35 Hexane	57	3.536	3.536	0.000	96	496411	25.0	23.9	
36 1,1-Dichloroethane	63	3.761	3.761	0.000	98	561801	25.0	22.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.815	3.815	0.000	97	2048484	50.0	52.0	
42 2,2-Dichloropropane	77	4.278	4.284	-0.006	87	210519	25.0	16.5	
43 cis-1,2-Dichloroethene	96	4.320	4.319	0.000	87	286232	25.0	23.1	
44 2-Butanone (MEK)	43	4.357	4.363	0.000	97	1413490	125.0	160.1	
47 Chlorobromomethane	128	4.552	4.551	0.001	89	153151	25.0	23.2	
49 Tetrahydrofuran	42	4.570	4.570	0.000	92	374956	50.0	63.2	
50 Chloroform	83	4.631	4.637	0.000	96	470899	25.0	22.1	
51 1,1,1-Trichloroethane	97	4.740	4.740	0.000	96	378017	25.0	21.0	
52 Cyclohexane	56	4.746	4.740	0.006	94	611908	25.0	24.3	
53 Carbon tetrachloride	117	4.874	4.874	0.000	95	330051	25.0	21.5	
54 1,1-Dichloropropene	75	4.892	4.892	0.000	85	341473	25.0	22.5	
55 Benzene	78	5.093	5.093	0.000	91	1056106	25.0	23.6	
56 Isobutyl alcohol	43	5.123	5.129	-0.006	94	582521	625.0	894.7	
57 1,2-Dichloroethane	62	5.166	5.172	0.000	95	473590	25.0	22.0	
59 n-Heptane	43	5.275	5.275	0.000	97	597035	25.0	26.5	
60 Trichloroethene	95	5.701	5.701	-0.006	94	276104	25.0	23.3	
62 Methylcyclohexane	83	5.823	5.811	0.000	97	435837	25.0	23.0	
63 1,2-Dichloropropane	63	5.945	5.951	-0.006	89	320374	25.0	24.9	
64 Dibromomethane	93	6.085	6.091	-0.006	94	176977	25.0	24.8	
66 1,4-Dioxane	88	6.091	6.091	-0.012	36	39779	500.0	662.3	M
67 Dichlorobromomethane	83	6.243	6.243	0.000	96	349848	25.0	23.5	
69 2-Chloroethyl vinyl ether	63	6.523	6.523	0.000	87	238825	25.0	29.7	
71 cis-1,3-Dichloropropene	75	6.656	6.656	0.000	86	417311	25.0	25.6	
72 4-Methyl-2-pentanone (MIBK	58	6.802	6.802	0.000	98	979406	125.0	152.3	
73 Toluene	92	6.942	6.936	0.000	97	662242	25.0	24.3	
75 trans-1,3-Dichloropropene	75	7.228	7.228	0.000	95	386394	25.0	25.0	
77 Ethyl methacrylate	69	7.271	7.271	0.000	93	379336	25.0	27.9	
78 1,1,2-Trichloroethane	83	7.417	7.417	0.000	95	214117	25.0	25.3	
79 Tetrachloroethene	166	7.472	7.472	0.000	97	291918	25.0	23.1	
80 1,3-Dichloropropane	76	7.575	7.581	-0.006	93	429078	25.0	26.3	
82 2-Hexanone	43	7.642	7.648	-0.006	98	1985224	125.0	158.4	
83 Chlorodibromomethane	129	7.818	7.812	0.006	89	265993	25.0	25.0	
84 Ethylene Dibromide	107	7.916	7.916	0.000	97	273510	25.0	26.4	
85 Chlorobenzene	112	8.390	8.390	0.000	92	740149	25.0	23.4	
88 Ethylbenzene	91	8.482	8.494	0.001	98	1192983	25.0	23.2	
89 1,1,1,2-Tetrachloroethane	131	8.494	8.494	0.000	93	272546	25.0	23.6	
90 m-Xylene & p-Xylene	106	8.609	8.597	0.000	98	463100	25.0	22.9	
91 o-Xylene	106	9.035	9.035	0.000	98	461121	25.0	22.8	
92 Styrene	104	9.066	9.066	0.000	95	784485	25.0	24.4	
93 Bromoform	173	9.321	9.321	0.000	96	165289	25.0	22.9	
95 Isopropylbenzene	105	9.418	9.418	0.000	97	1193859	25.0	25.4	
97 Bromobenzene	156	9.765	9.771	-0.006	90	317458	25.0	25.8	
98 1,1,2,2-Tetrachloroethane	83	9.832	9.832	0.000	94	361643	25.0	28.0	
100 N-Propylbenzene	91	9.850	9.850	0.000	99	1384928	25.0	25.0	
99 1,2,3-Trichloropropane	110	9.863	9.862	0.000	92	111049	25.0	26.9	
101 trans-1,4-Dichloro-2-buten	53	9.875	9.881	-0.006	78	134051	25.0	29.5	
102 2-Chlorotoluene	126	9.954	9.954	0.000	96	285479	25.0	24.8	
104 1,3,5-Trimethylbenzene	105	10.027	10.033	-0.006	96	993847	25.0	24.9	
105 4-Chlorotoluene	91	10.069	10.069	0.000	98	872631	25.0	24.7	
106 tert-Butylbenzene	134	10.349	10.349	0.000	94	224315	25.0	23.9	
108 1,2,4-Trimethylbenzene	105	10.404	10.404	0.000	98	989621	25.0	24.1	
109 sec-Butylbenzene	105	10.562	10.562	0.000	95	1207313	25.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.696	10.696	0.000	97	606280	25.0	25.5	
111 4-Isopropyltoluene	119	10.702	10.702	0.000	97	1092819	25.0	23.7	
113 1,4-Dichlorobenzene	146	10.787	10.787	0.000	94	605903	25.0	24.1	
115 n-Butylbenzene	91	11.091	11.091	0.000	99	886553	25.0	22.8	
116 1,2-Dichlorobenzene	146	11.140	11.140	0.000	97	577804	25.0	23.5	
117 1,2-Dibromo-3-Chloropropan	75	11.876	11.876	0.000	76	54173	25.0	23.4	
119 1,2,4-Trichlorobenzene	180	12.545	12.551	-0.006	95	310597	25.0	19.3	
120 Hexachlorobutadiene	225	12.661	12.661	0.000	96	155021	25.0	19.8	
121 Naphthalene	128	12.764	12.764	0.000	97	868148	25.0	21.5	
122 1,2,3-Trichlorobenzene	180	12.965	12.965	0.000	97	273511	25.0	18.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00178	Amount Added:	12.50	Units: uL	
GAS CORP mix_00383	Amount Added:	12.50	Units: uL	
N 8260 IS_00184	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00393	Amount Added:	1.00	Units: uL	Run Reagent

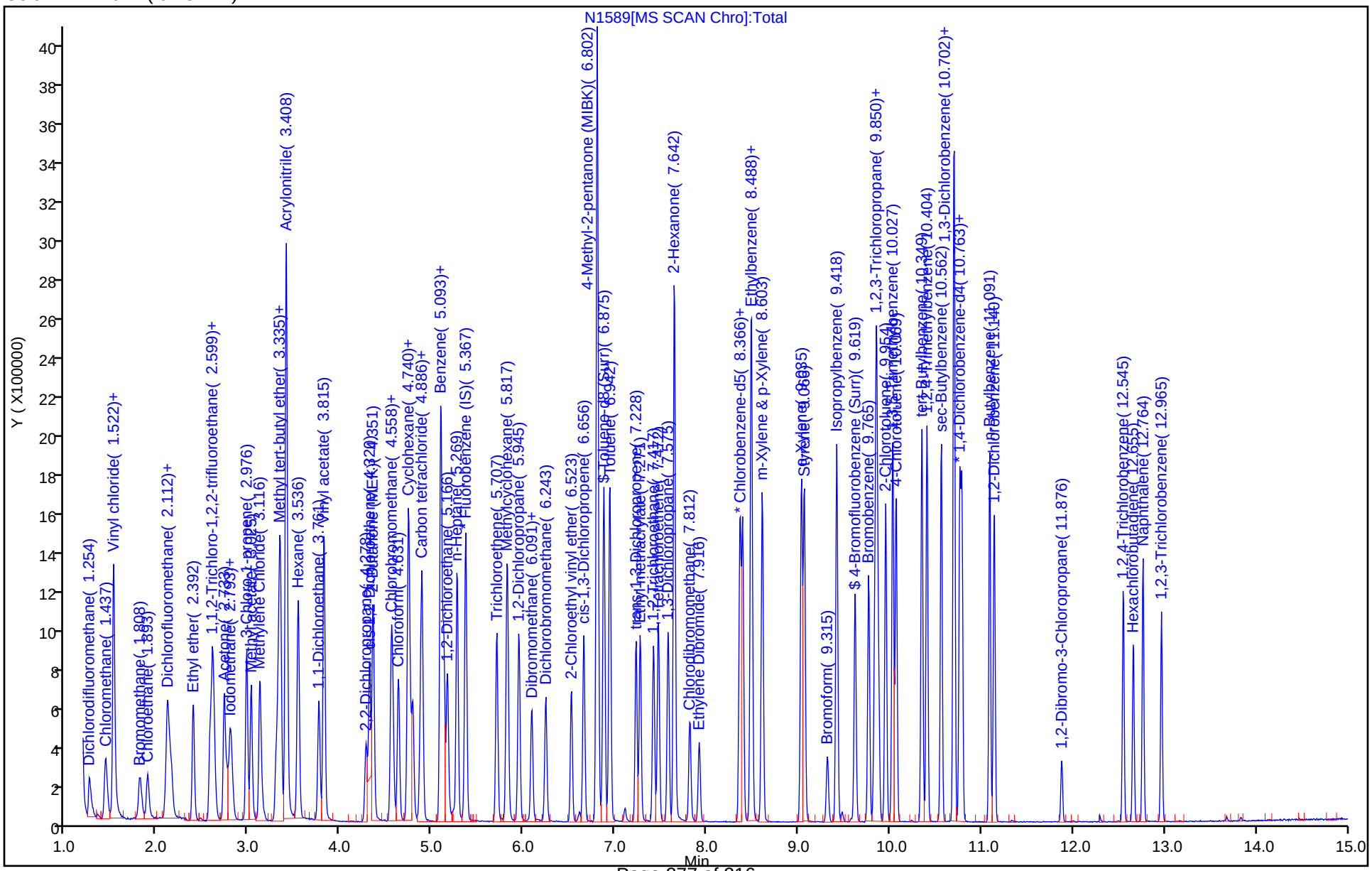
Report Date: 13-Feb-2020 10:28:04 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973N\20200212-88134.b\N1589.D

Injection Date:	12-Feb-2020 21:23:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-517370/5

Matrix: Water Lab File ID: D28739.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 10:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517370 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.1		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.2		1.0	0.21
79-00-5	1,1,2-Trichloroethane	23.4		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20.2		1.0	0.31
75-34-3	1,1-Dichloroethane	21.7		1.0	0.38
75-35-4	1,1-Dichloroethene	21.4		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	21.1		1.0	0.39
95-50-1	1,2-Dichlorobenzene	23.3		1.0	0.79
107-06-2	1,2-Dichloroethane	19.4		1.0	0.21
78-87-5	1,2-Dichloropropane	23.2		1.0	0.72
541-73-1	1,3-Dichlorobenzene	22.8		1.0	0.78
106-46-7	1,4-Dichlorobenzene	22.7		1.0	0.84
78-93-3	2-Butanone (MEK)	100		10	1.3
591-78-6	2-Hexanone	109		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	108		5.0	2.1
67-64-1	Acetone	94.5		10	3.0
71-43-2	Benzene	22.4		1.0	0.41
75-27-4	Bromodichloromethane	21.1		1.0	0.39
75-25-2	Bromoform	21.5		1.0	0.26
74-83-9	Bromomethane	19.9		1.0	0.69
75-15-0	Carbon disulfide	22.3		1.0	0.19
56-23-5	Carbon tetrachloride	19.6		1.0	0.27
108-90-7	Chlorobenzene	22.5		1.0	0.75
124-48-1	Dibromochloromethane	21.7		1.0	0.32
75-00-3	Chloroethane	17.8		1.0	0.32
67-66-3	Chloroform	20.4		1.0	0.34
74-87-3	Chloromethane	19.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	22.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	22.9		1.0	0.36
110-82-7	Cyclohexane	21.0		1.0	0.18
75-71-8	Dichlorodifluoromethane	17.6		1.0	0.68
100-41-4	Ethylbenzene	22.3		1.0	0.74
106-93-4	1,2-Dibromoethane	22.6		1.0	0.73
98-82-8	Isopropylbenzene	23.0		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-517370/5

Matrix: Water Lab File ID: D28739.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 02/13/2020 10:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 517370 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	41.8		2.5	1.3
1634-04-4	Methyl tert-butyl ether	21.8		1.0	0.16
108-87-2	Methylcyclohexane	21.1		1.0	0.16
75-09-2	Methylene Chloride	23.4		1.0	0.44
100-42-5	Styrene	22.5		1.0	0.73
127-18-4	Tetrachloroethene	21.5		1.0	0.36
108-88-3	Toluene	22.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	21.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.1		1.0	0.37
79-01-6	Trichloroethene	21.3		1.0	0.46
75-69-4	Trichlorofluoromethane	17.6		1.0	0.88
75-01-4	Vinyl chloride	19.7		1.0	0.90
1330-20-7	Xylenes, Total	44.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28739.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 13-Feb-2020 10:07:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0088144-005
Operator ID: OI Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Feb-2020 09:25:09 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: izquierdoo Date: 13-Feb-2020 10:24:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.525	5.526	-0.001	99	153210	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.909	7.909	0.000	92	327510	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.835	9.836	-0.001	98	352922	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.038	5.032	0.000	94	237074	25.0	23.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.306	5.306	0.000	98	123656	25.0	23.6	
$ 5 Toluene-d8 (Surr)	98	6.738	6.733	-0.001	93	786720	25.0	25.7	
$ 6 4-Bromofluorobenzene (Surr	174	8.872	8.865	0.000	94	267317	25.0	24.2	
10 Dichlorodifluoromethane	85	1.514	1.514	0.000	99	187604	25.0	17.6	
12 Chloromethane	50	1.733	1.733	0.000	99	258019	25.0	19.0	
144 Butadiene	54	1.849	1.849	0.000	92	182415	25.0	17.1	
13 Vinyl chloride	62	1.855	1.855	0.000	98	217803	25.0	19.7	
14 Bromomethane	94	2.215	2.215	0.000	90	157667	25.0	19.9	
15 Chloroethane	64	2.313	2.300	0.013	99	116814	25.0	17.8	
16 Dichlorofluoromethane	67	2.550	2.550	0.000	97	306509	25.0	18.9	
17 Trichlorofluoromethane	101	2.556	2.557	0.000	98	240337	25.0	17.6	
18 Ethyl ether	59	2.831	2.825	0.006	95	159401	25.0	23.5	
20 Acrolein	56	3.020	3.020	0.000	100	92422	125.0	62.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.062	3.056	0.006	94	158301	25.0	20.2	
22 1,1-Dichloroethene	96	3.081	3.069	0.012	97	162012	25.0	21.4	
23 Acetone	43	3.178	3.178	0.000	100	268971	125.0	94.5	
25 Iodomethane	142	3.257	3.245	0.012	100	373528	25.0	20.7	
26 Carbon disulfide	76	3.282	3.276	0.006	100	583587	25.0	22.3	
28 3-Chloro-1-propene	41	3.416	3.416	0.000	92	290582	25.0	21.7	
27 Methyl acetate	43	3.459	3.459	0.000	99	261769	50.0	41.8	
30 Methylene Chloride	84	3.562	3.556	0.000	97	209595	25.0	23.4	
31 2-Methyl-2-propanol	59	3.709	3.709	0.000	98	190986	250.0	200.4	
32 Methyl tert-butyl ether	73	3.745	3.745	0.000	96	488349	25.0	21.8	
34 trans-1,2-Dichloroethene	96	3.770	3.770	0.000	97	189462	25.0	21.6	
33 Acrylonitrile	53	3.824	3.825	-0.001	98	642600	250.0	225.0	
35 Hexane	57	3.934	3.934	0.000	93	223943	25.0	20.3	
39 1,1-Dichloroethane	63	4.154	4.154	0.000	96	346913	25.0	21.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	4.184	4.184	0.000	97	736262	50.0	44.6	
44 2,2-Dichloropropane	77	4.611	4.611	0.000	93	188524	25.0	20.8	
45 cis-1,2-Dichloroethene	96	4.641	4.641	0.000	82	218375	25.0	22.1	
43 2-Butanone (MEK)	43	4.666	4.666	0.000	99	410175	125.0	100.3	
48 Chlorobromomethane	128	4.849	4.849	0.000	94	124204	25.0	21.8	
49 Tetrahydrofuran	42	4.861	4.861	0.000	88	105856	50.0	43.4	
50 Chloroform	83	4.903	4.904	-0.001	94	348477	25.0	20.4	
51 1,1,1-Trichloroethane	97	5.007	5.007	0.000	99	278601	25.0	20.1	
52 Cyclohexane	56	5.013	5.013	0.000	92	276819	25.0	21.0	
55 Carbon tetrachloride	117	5.123	5.123	0.000	98	259553	25.0	19.6	
54 1,1-Dichloropropene	75	5.129	5.129	0.000	96	248878	25.0	21.5	
53 Isobutyl alcohol	43	5.288	5.288	0.000	94	205471	625.0	507.9	
57 Benzene	78	5.312	5.306	0.006	96	719197	25.0	22.4	
58 1,2-Dichloroethane	62	5.367	5.367	0.000	97	264091	25.0	19.4	
59 n-Heptane	43	5.422	5.422	0.000	94	216992	25.0	19.0	
62 Trichloroethene	95	5.806	5.806	0.000	97	202572	25.0	21.3	
64 Methylcyclohexane	83	5.903	5.903	0.000	92	258890	25.0	21.1	
65 1,2-Dichloropropane	63	6.007	6.007	0.000	97	199665	25.0	23.2	
66 1,4-Dioxane	88	6.111	6.111	0.000	95	29576	500.0	420.5	
67 Dibromomethane	93	6.123	6.123	0.000	96	132414	25.0	21.5	
68 Dichlorobromomethane	83	6.232	6.233	-0.001	98	265134	25.0	21.1	
69 2-Chloroethyl vinyl ether	63	6.428	6.428	0.000	92	115443	25.0	27.6	
72 cis-1,3-Dichloropropene	75	6.562	6.562	0.000	96	312893	25.0	22.9	
73 4-Methyl-2-pentanone (MIBK	43	6.659	6.659	0.000	97	887579	125.0	107.5	
74 Toluene	92	6.793	6.788	0.000	98	460138	25.0	22.5	
77 trans-1,3-Dichloropropene	75	7.001	7.001	0.000	96	287477	25.0	23.1	
75 Ethyl methacrylate	69	7.007	7.007	0.000	90	223021	25.0	23.7	
79 1,1,2-Trichloroethane	83	7.159	7.159	0.000	91	145429	25.0	23.4	
81 Tetrachloroethene	166	7.214	7.214	0.000	97	214097	25.0	21.5	
82 1,3-Dichloropropane	76	7.287	7.287	0.000	96	274560	25.0	23.4	
80 2-Hexanone	43	7.312	7.312	0.000	97	641750	125.0	108.6	
83 Chlorodibromomethane	129	7.482	7.482	0.000	90	231626	25.0	21.7	
84 Ethylene Dibromide	107	7.580	7.580	0.000	98	195687	25.0	22.6	
87 Chlorobenzene	112	7.933	7.934	-0.001	98	562981	25.0	22.5	
88 Ethylbenzene	91	7.982	7.976	0.000	98	860004	25.0	22.3	
89 1,1,1,2-Tetrachloroethane	131	8.000	8.001	-0.001	97	213408	25.0	22.0	
90 m-Xylene & p-Xylene	106	8.074	8.067	0.000	98	342925	25.0	22.2	
91 o-Xylene	106	8.409	8.402	0.000	97	343324	25.0	22.4	
92 Styrene	104	8.433	8.433	0.000	96	573265	25.0	22.5	
95 Bromoform	173	8.653	8.653	0.000	98	146231	25.0	21.5	
94 Isopropylbenzene	105	8.695	8.690	-0.001	95	865654	25.0	23.0	
101 Bromobenzene	156	9.006	9.006	0.000	95	259594	25.0	22.9	
97 1,1,2,2-Tetrachloroethane	83	9.012	9.013	-0.001	95	233419	25.0	24.2	
99 N-Propylbenzene	91	9.037	9.031	0.000	99	1041724	25.0	23.3	
98 trans-1,4-Dichloro-2-buten	53	9.049	9.049	0.000	76	62807	25.0	22.0	
100 1,2,3-Trichloropropane	110	9.055	9.055	0.000	85	63303	25.0	23.5	
103 2-Chlorotoluene	126	9.147	9.147	0.000	98	231070	25.0	23.0	
102 1,3,5-Trimethylbenzene	105	9.177	9.171	0.000	94	760520	25.0	23.1	
105 4-Chlorotoluene	126	9.238	9.238	0.000	97	243178	25.0	23.2	
106 tert-Butylbenzene	134	9.451	9.445	0.000	92	154052	25.0	22.7	
107 1,2,4-Trimethylbenzene	105	9.500	9.494	0.000	97	787599	25.0	23.3	
109 sec-Butylbenzene	105	9.634	9.628	0.000	94	962555	25.0	23.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.750	9.744	0.000	97	845530	25.0	23.0	
111 1,3-Dichlorobenzene	146	9.781	9.781	0.000	98	480882	25.0	22.8	
113 1,4-Dichlorobenzene	146	9.860	9.860	0.000	96	491274	25.0	22.7	
115 n-Butylbenzene	91	10.098	10.091	0.000	98	774279	25.0	23.4	
116 1,2-Dichlorobenzene	146	10.189	10.189	0.000	99	491195	25.0	23.3	
117 1,2-Dibromo-3-Chloropropan	75	10.878	10.878	0.000	89	40107	25.0	21.1	
119 1,2,4-Trichlorobenzene	180	11.512	11.512	0.000	94	386321	25.0	23.8	
120 Hexachlorobutadiene	225	11.597	11.597	0.000	98	171327	25.0	22.5	
121 Naphthalene	128	11.725	11.718	0.000	97	842597	25.0	23.2	
122 1,2,3-Trichlorobenzene	180	11.914	11.914	0.000	96	366747	25.0	23.8	

Reagents:

8260 CORP mix_00179	Amount Added: 12.50	Units: uL	
GAS CORP mix_00383	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00010	Amount Added: 1.00	Units: uL	Run Reagent

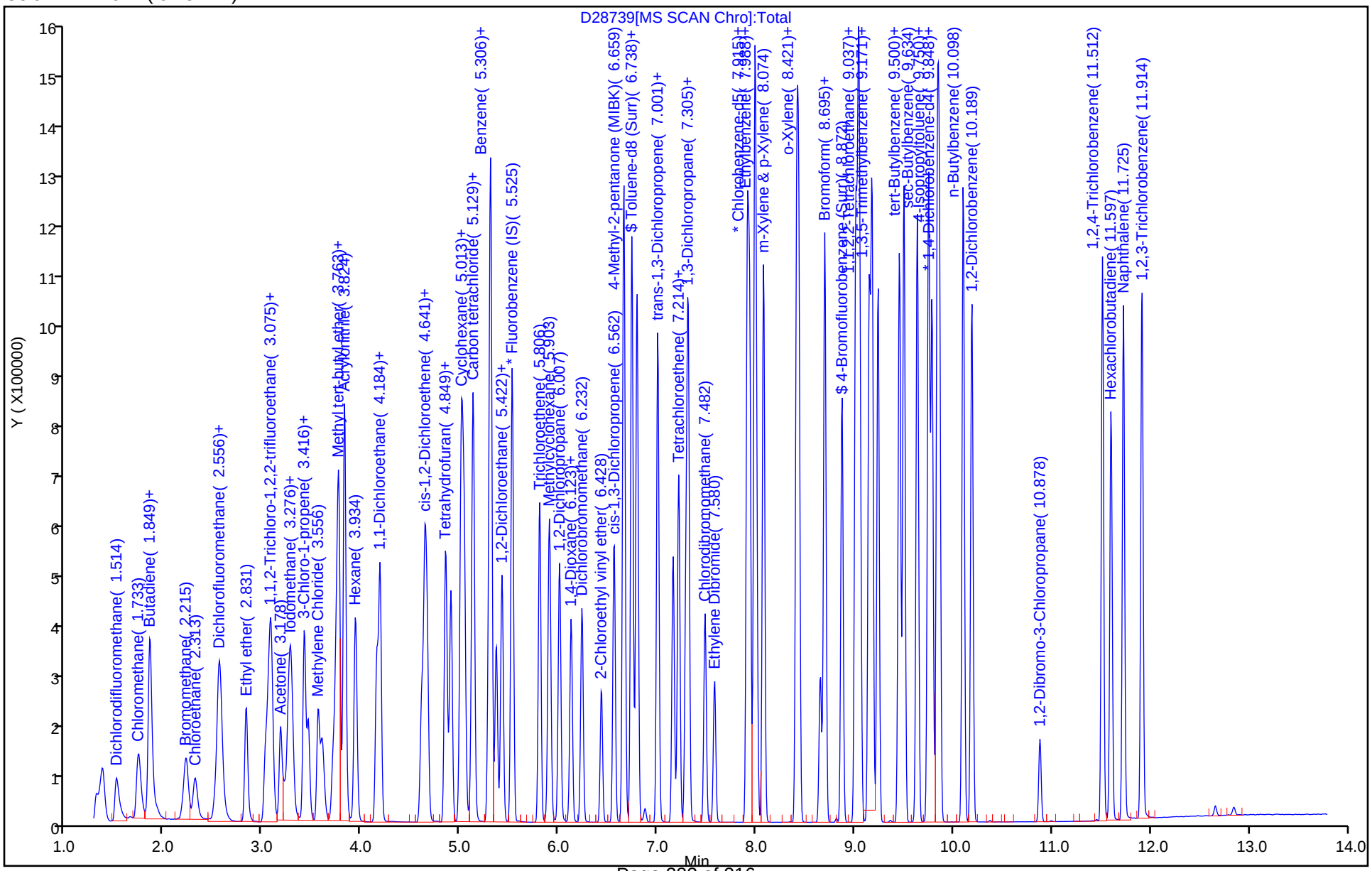
Report Date: 14-Feb-2020 10:13:46 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200213-88144.b\D28739.D

Injection Date:	13-Feb-2020 10:07:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Instrument ID: HP5973N Start Date: 01/20/2020 16:45

Analysis Batch Number: 514164 End Date: 01/21/2020 02:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-514164/4		01/20/2020 16:45	1	N0800.D	ZB-624 (20) 0.18(mm)
IC 480-514164/6		01/20/2020 17:59	1	N0802.D	ZB-624 (20) 0.18(mm)
IC 480-514164/7		01/20/2020 18:23	1	N0803.D	ZB-624 (20) 0.18(mm)
IC 480-514164/8		01/20/2020 18:48	1	N0804.D	ZB-624 (20) 0.18(mm)
IC 480-514164/9		01/20/2020 19:12	1	N0805.D	ZB-624 (20) 0.18(mm)
IC 480-514164/10		01/20/2020 19:37	1	N0806.D	ZB-624 (20) 0.18(mm)
ICIS 480-514164/11		01/20/2020 20:01	1	N0807.D	ZB-624 (20) 0.18(mm)
IC 480-514164/12		01/20/2020 20:25	1	N0808.D	ZB-624 (20) 0.18(mm)
IC 480-514164/13		01/20/2020 20:49	1	N0809.D	ZB-624 (20) 0.18(mm)
MDLV 480-514164/15		01/20/2020 21:38	1		ZB-624 (20) 0.18(mm)
MDLV 480-514164/16		01/20/2020 22:02	1		ZB-624 (20) 0.18(mm)
IC 480-514164/18		01/20/2020 22:51	1		ZB-624 (20) 0.18(mm)
IC 480-514164/19		01/20/2020 23:15	1		ZB-624 (20) 0.18(mm)
IC 480-514164/20		01/20/2020 23:39	1		ZB-624 (20) 0.18(mm)
IC 480-514164/21		01/21/2020 00:03	1		ZB-624 (20) 0.18(mm)
IC 480-514164/22		01/21/2020 00:27	1		ZB-624 (20) 0.18(mm)
IC 480-514164/23		01/21/2020 00:51	1		ZB-624 (20) 0.18(mm)
IC 480-514164/24		01/21/2020 01:14	1		ZB-624 (20) 0.18(mm)
MDLV 480-514164/26		01/21/2020 02:03	1		ZB-624 (20) 0.18(mm)
ICV 480-514164/27		01/21/2020 02:27	1	N0823.D	ZB-624 (20) 0.18(mm)
ICV 480-514164/28		01/21/2020 02:51	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Instrument ID: HP5973N Start Date: 02/12/2020 19:46

Analysis Batch Number: 517279 End Date: 02/13/2020 05:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-517279/2		02/12/2020 19:46	1	N1585.D	ZB-624 (20) 0.18(mm)
CCVIS 480-517279/4		02/12/2020 20:35	1	N1587.D	ZB-624 (20) 0.18(mm)
CCV 480-517279/5		02/12/2020 20:59	1		ZB-624 (20) 0.18(mm)
LCS 480-517279/6		02/12/2020 21:23	1	N1589.D	ZB-624 (20) 0.18(mm)
RL 480-517279/7		02/12/2020 21:47	1		ZB-624 (20) 0.18(mm)
MB 480-517279/8		02/12/2020 22:11	1	N1591.D	ZB-624 (20) 0.18(mm)
ZZZZZ		02/12/2020 22:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/12/2020 23:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/12/2020 23:24	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/12/2020 23:48	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 00:13	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 00:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 01:01	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 01:25	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 01:49	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 02:13	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 02:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 03:01	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 03:25	20		ZB-624 (20) 0.18(mm)
480-166129-2		02/13/2020 03:49	5	N1605.D	ZB-624 (20) 0.18(mm)
480-166129-3		02/13/2020 04:13	4	N1606.D	ZB-624 (20) 0.18(mm)
480-166129-4		02/13/2020 04:38	4	N1607.D	ZB-624 (20) 0.18(mm)
480-166129-5		02/13/2020 05:02	1	N1608.D	ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 05:26	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 05:50	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Instrument ID: HP5975D Start Date: 01/20/2020 13:36

Analysis Batch Number: 514167 End Date: 01/20/2020 23:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-514167/5		01/20/2020 13:36	1	D2180.D	ZB-624 (20) 0.18(mm)
IC 480-514167/7		01/20/2020 14:46	1	D2183.D	ZB-624 (20) 0.18(mm)
IC 480-514167/8		01/20/2020 15:08	1	D2184.D	ZB-624 (20) 0.18(mm)
IC 480-514167/9		01/20/2020 15:31	1	D2185.D	ZB-624 (20) 0.18(mm)
IC 480-514167/10		01/20/2020 15:55	1	D2186.D	ZB-624 (20) 0.18(mm)
IC 480-514167/11		01/20/2020 16:18	1	D2187.D	ZB-624 (20) 0.18(mm)
ICIS 480-514167/12		01/20/2020 16:41	1	D2188.D	ZB-624 (20) 0.18(mm)
IC 480-514167/13		01/20/2020 17:04	1	D2189.D	ZB-624 (20) 0.18(mm)
IC 480-514167/14		01/20/2020 17:27	1	D2190.D	ZB-624 (20) 0.18(mm)
MDLV 480-514167/16		01/20/2020 18:13	1		ZB-624 (20) 0.18(mm)
MDLV 480-514167/17		01/20/2020 18:35	1		ZB-624 (20) 0.18(mm)
IC 480-514167/19		01/20/2020 19:21	1		ZB-624 (20) 0.18(mm)
IC 480-514167/20		01/20/2020 19:44	1		ZB-624 (20) 0.18(mm)
IC 480-514167/21		01/20/2020 20:07	1		ZB-624 (20) 0.18(mm)
IC 480-514167/22		01/20/2020 20:30	1		ZB-624 (20) 0.18(mm)
IC 480-514167/23		01/20/2020 20:53	1		ZB-624 (20) 0.18(mm)
IC 480-514167/24		01/20/2020 21:16	1		ZB-624 (20) 0.18(mm)
IC 480-514167/25		01/20/2020 21:39	1		ZB-624 (20) 0.18(mm)
MDLV 480-514167/27		01/20/2020 22:26	1		ZB-624 (20) 0.18(mm)
ICV 480-514167/28		01/20/2020 22:49	1	D2204.D	ZB-624 (20) 0.18(mm)
ICV 480-514167/29		01/20/2020 23:12	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Instrument ID: HP5975D Start Date: 02/13/2020 08:57

Analysis Batch Number: 517370 End Date: 02/13/2020 19:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-517370/2		02/13/2020 08:57	1	D28736.D	ZB-624 (20) 0.18(mm)
CCVIS 480-517370/3		02/13/2020 09:21	1	D28737.D	ZB-624 (20) 0.18(mm)
CCV 480-517370/4		02/13/2020 09:44	1		ZB-624 (20) 0.18(mm)
LCS 480-517370/5		02/13/2020 10:07	1	D28739.D	ZB-624 (20) 0.18(mm)
RL 480-517370/6		02/13/2020 10:30	1		ZB-624 (20) 0.18(mm)
MB 480-517370/7		02/13/2020 10:53	1	D28741.D	ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 11:28	5		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 11:51	4		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 12:13	25		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 12:36	400		ZB-624 (20) 0.18(mm)
480-166129-1		02/13/2020 12:59	2	D28746.D	ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 13:23	2		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 13:46	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 14:09	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 14:31	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 14:55	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 15:18	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 15:41	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 16:04	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 16:27	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 16:50	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 17:13	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 17:36	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 17:59	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 18:22	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 18:45	25		ZB-624 (20) 0.18(mm)
ZZZZZ		02/13/2020 19:08	25		ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Batch Number: 514164 Batch Start Date: 01/20/20 16:45 Batch Analyst: Moffat, Alyssa M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00177	BFB_WRK 00100	GAS CORP mix 00379	N 8260 IS 00182
BFB 480-514164/4		8260C		1 uL	1 uL		1 uL		
IC 480-514164/6		8260C		5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-514164/7		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-514164/8		8260C		5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-514164/9		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-514164/10		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-514164/11		8260C		5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-514164/12		8260C		5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-514164/13		8260C		5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-514164/27		8260C		5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	N_8260_Surr 00392	SS 8260 CORP 00081	SS GAS CORP 00332			
BFB 480-514164/4		8260C							
IC 480-514164/6		8260C		1 uL					
IC 480-514164/7		8260C		1 uL					
IC 480-514164/8		8260C		1 uL					
IC 480-514164/9		8260C		1 uL					
IC 480-514164/10		8260C		1 uL					
ICIS 480-514164/11		8260C		1 uL					
IC 480-514164/12		8260C		1 uL					
IC 480-514164/13		8260C		1 uL					
ICV 480-514164/27		8260C		1 uL	12.5 uL	12.5 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Batch Number: 514164 Batch Start Date: 01/20/20 16:45 Batch Analyst: Moffat, Alyssa M

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Batch Number: 514167 Batch Start Date: 01/20/20 13:36 Batch Analyst: Moffat, Alyssa M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00177	BFB_WRK 00100	D 8260 IS/SUR 00008	GAS CORP mix 00379
BFB 480-514167/5		8260C		1 uL	1 uL		1 uL		
IC 480-514167/7		8260C		5 mL	5 mL	0.4 uL		1 uL	0.4 uL
IC 480-514167/8		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-514167/9		8260C		5 mL	5 mL	2 uL		1 uL	2 uL
IC 480-514167/10		8260C		5 mL	5 mL	5 uL		1 uL	5 uL
IC 480-514167/11		8260C		5 mL	5 mL	5 uL		1 uL	5 uL
ICIS 480-514167/12		8260C		5 mL	5 mL	12.5 uL		1 uL	12.5 uL
IC 480-514167/13		8260C		5 mL	5 mL	25 uL		1 uL	25 uL
IC 480-514167/14		8260C		5 mL	5 mL	50 uL		1 uL	50 uL
ICV 480-514167/28		8260C		5 mL	5 mL			1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	SS 8260 CORP 00081					
BFB 480-514167/5		8260C							
IC 480-514167/7		8260C							
IC 480-514167/8		8260C							
IC 480-514167/9		8260C							
IC 480-514167/10		8260C							
IC 480-514167/11		8260C							
ICIS 480-514167/12		8260C							
IC 480-514167/13		8260C							
IC 480-514167/14		8260C							
ICV 480-514167/28		8260C		12.5 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Batch Number: 514167 Batch Start Date: 01/20/20 13:36 Batch Analyst: Moffat, Alyssa M

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Batch Number: 517279 Batch Start Date: 02/12/20 19:46 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00178	BFB_WRK 00101	GAS CORP mix 00383
BFB 480-517279/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-517279/4		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-517279/6		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-517279/8		8260C		5 mL	5 mL				
480-166129-A-2	RW-2	8260C	T	5 mL	5 mL	<2 SU			
480-166129-A-3	RW-3	8260C	T	5 mL	5 mL	<2 SU			
480-166129-B-4	DUP	8260C	T	5 mL	5 mL	<2 SU			
480-166129-A-5	EFFLUENT	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00184	N_8260_Surr 00393				
BFB 480-517279/2		8260C							
CCVIS 480-517279/4		8260C		1 uL	1 uL				
LCS 480-517279/6		8260C		1 uL	1 uL				
MB 480-517279/8		8260C		1 uL	1 uL				
480-166129-A-2	RW-2	8260C	T	1 uL	1 uL				
480-166129-A-3	RW-3	8260C	T	1 uL	1 uL				
480-166129-B-4	DUP	8260C	T	1 uL	1 uL				
480-166129-A-5	EFFLUENT	8260C	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Batch Number: 517370 Batch Start Date: 02/13/20 08:57 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00179	BFB_WRK 00101	D 8260 IS/SUR 00010
BFB 480-517370/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-517370/3		8260C		5 mL	5 mL		12.5 uL		1 uL
LCS 480-517370/5		8260C		5 mL	5 mL		12.5 uL		1 uL
MB 480-517370/7		8260C		5 mL	5 mL				1 uL
480-166129-B-1	RW-1	8260C	T	5 mL	5 mL	<2 SU			1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00383	AnalysisComment				
BFB 480-517370/2		8260C							
CCVIS 480-517370/3		8260C		12.5 uL					
LCS 480-517370/5		8260C		12.5 uL					
MB 480-517370/7		8260C							
480-166129-B-1	RW-1	8260C	T		target				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-166129-1

SDG No.:

Project: Roxy Cleaners #442024

Client Sample ID	Lab Sample ID
RW-1	480-166129-1
RW-2	480-166129-2

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-1 Lab Sample ID: 480-166129-1

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG ID.:

Matrix: Water Date Sampled: 02/07/2020 13:03

Reporting Basis: WET Date Received: 02/08/2020 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	1.4	1.0	0.43	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-2 Lab Sample ID: 480-166129-2

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG ID.:

Matrix: Water Date Sampled: 02/07/2020 13:05

Reporting Basis: WET Date Received: 02/08/2020 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	1.0	1.0	0.43	mg/L			1	SM 5310C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Analyst: CLA Batch Start Date: 02/12/2020

Reporting Units: mg/L Analytical Batch No.: 517531

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
2	CCV	16:32	Total Organic Carbon	59.25	60.0	99	90-110		TOC_CCV_00081
3	CCB	16:48	Total Organic Carbon	ND					
13	CCV	19:36	Total Organic Carbon	58.80	60.0	98	90-110		TOC_CCV_00081
14	CCB	19:51	Total Organic Carbon	ND					
25	CCV	22:39	Total Organic Carbon	58.98	60.0	98	90-110		TOC_CCV_00081
26	CCB	22:54	Total Organic Carbon	ND					

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 517531	Date: 02/12/2020 17:03						
SM 5310C	MB 480-517531/4	Total Organic Carbon	ND		mg/L	1.0	1

FORM III-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 517531	Date: 02/12/2020 17:18										
						LCS Source: TOC_LCS_00080					
SM 5310C	LCS 480-517531/5	Total Organic Carbon	57.94		mg/L	60.0	97	90-110			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-166129-1

SDG Number:

Matrix: Water Instrument ID: TOC10303

Method: SM 5310C MDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Organic Carbon		1	0.434

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-166129-1

SDG Number:

Matrix: Water Instrument ID: TOC10303

Method: SM 5310C XMDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon		1	0.434

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Instrument ID: TOC10303 Method: SM 5310C

Start Date: 02/12/2020 16:18 End Date: 02/13/2020 01:43

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
RINSE 480-517531/1			16:18																				
CCV 480-517531/2	1		16:32	X																			
CCB 480-517531/3	1		16:48	X																			
MB 480-517531/4	1	T	17:03	X																			
LCS 480-517531/5	1	T	17:18	X																			
ZZZZZZ			17:34																				
ZZZZZZ			18:04																				
ZZZZZZ			18:19																				
ZZZZZZ			18:34																				
ZZZZZZ			18:49																				
ZZZZZZ			19:05																				
ZZZZZZ			19:20																				
CCV 480-517531/13	1		19:36	X																			
CCB 480-517531/14	1		19:51	X																			
ZZZZZZ			20:06																				
ZZZZZZ			20:21																				
ZZZZZZ			20:37																				
ZZZZZZ			20:52																				
ZZZZZZ			21:08																				
ZZZZZZ			21:22																				
ZZZZZZ			21:38																				
ZZZZZZ			21:53																				
480-166129-1	1	T	22:09	X																			
480-166129-2	1	T	22:24	X																			
CCV 480-517531/25	1		22:39	X																			
CCB 480-517531/26	1		22:54	X																			
ZZZZZZ			23:10																				
ZZZZZZ			23:25																				
ZZZZZZ			23:41																				
ZZZZZZ			23:56																				
ZZZZZZ			00:11																				
ZZZZZZ			00:26																				
ZZZZZZ			00:41																				
ZZZZZZ			00:57																				
CCV 480-517531/35			01:13																				
CCB 480-517531/36			01:28																				
ZZZZZZ			01:43																				

Prep Types

T = Total/NA

TOC Wheel Worksheet

BATCH # 51753
Instrument # 3
SRF # 49214

Method 5310
File Name 20200211P

		Sample ID	Dil	pH	Comment
	1	Rinse			
	2	CCV			
	3	CCB			
	4	MB			
	5	LCS			
	6	166106-J-1			
	7	6106-K-1 TIC			
	8	6106-J-2			
	9	6106-K-2MS	2		20mL → 40mL
	10	6106-K-2MSD	2		
	11	6106-J-3			
	12	6106-J-4			
	13	165923-A-1	8	.	5mL → 40mL
	14	CCV			
	15	CCB			
	16	166055-F-4	4	adj	10mL → 40mL
	17	6055-F-5		.	
	18	166065-F-2	20	adj	2mL → 40mL
	19	166065-F-3	8	adj	5mL → 40mL
	20	6065-F-5	50	adj	800µL → 40mL
o	21	166110-H-1			
	22	166118-B-1			
	23	166123-C-1			
o	24	166129-D-1			
o	25	6129-D-2			
	26	CCV			
	27	CCB			
	28	MB			
	29	LCS			
	30	166136-A-1			
	31	6136-B-1 MS	2		20mL → 40mL
	32	6136-B-1MSD	2		
o	33	166124-E-1			
o	34	6124-E-2			
o	35	6124-E-3			
	36				
	37				
	38	CCV			
	39	CCB			
END	40	LLV			
	41				
	42				
	43				
	44				
	45				

BF-WC-TOCWW-016 Rev.1 8/7/2019

517531
5310

46				
47				
48				
49				
50	CCV			
51	CCB			
52	MB			
53	LCS			
54				
55				
56				
57				
58				
59				
60				
61				
62	CCV			
63	CCB			
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74	CCV			
75	CCB			
76	MB			
77	LCS			
78				
79				
80				
81				
82				
83				
84				
85				
86	CCV			
87	CCB			

Date 11 FEB 20

Analyst CM

TIC 5648531

MS 5736720

CCV 5762289

LCS 5762293

All pH <2 CA

pipette (1000 uL) M3590TC

acid 55100 39

sodium persulfate 5719813

phosphoric acid 5675805

User ID:toc Name:Total Organic Carbon
Title:Mr Dept:OIC-TOC

Calibration - Quick View -TOC

Revision: 1-20191219 - Dec 19, 2019; 05-23-40 PM
Modified By: toc
Date Created: 2019/12/19; 05:29 PM
Last Modified: 2019/12/20; 08:03 PM
Last Calibrated: 2019/12/20; 07:22 PM

RF(ugC/k-cnt): 0.3482
R2: 0.9988
Reagent Blank(cts): 3,049
Offset Area(cts): 3,628
Offset Mass(ugC): -1.26

Std #	Conc (PPM)	Volume (mL)	# Reps	Area	Std. Dev	%RSD	Date Analysed
RW	0.000	2.000	2	3,654	270	7.40	2019-12-20; 05:44PM
1	1.000	2.000	2	7,570	96	1.27	2019-12-20; 05:59PM
2	2.000	2.000	2	15,713	84	0.53	2019-12-20; 06:15PM
3	5.000	2.000	2	31,942	774	2.42	2019-12-20; 06:31PM
4	10.000	2.000	2	62,971	54	0.09	2019-12-20; 06:46PM
5	50.000	2.000	2	297,856	661	0.22	2019-12-20; 07:01PM
6	100.000	2.000	2	570,890	12,315	2.16	2019-12-20; 07:16PM

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

517531

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
2	Rinse	2/12/2020 4:18:12PM	1	5083	0.506	0.253
		2/12/2020 4:22:47PM	2	2568	0.000	0.000
			Avg	3826	0.250	0.127
			Std. Dev	1778		
			%RSD	46.47		
3	CCV	2/12/2020 4:32:57PM	1	338250	116.508	58.254
		2/12/2020 4:38:53PM	2	349694	120.492	60.246
			Avg	343972	118.500	59.250
			Std. Dev	8092		
			%RSD	2.35		
4	CCB	2/12/2020 4:48:18PM	1	4145	0.180	0.089
		2/12/2020 4:53:42PM	2	2698	0.000	0.000
			Avg	3422	0.090	0.045
			Std. Dev	1023		
			%RSD	29.90		
5	MB	2/12/2020 5:03:35PM	1	4297	0.233	0.116
		2/12/2020 5:08:40PM	2	2702	0.000	0.000
			Avg	3499	0.120	0.058
			Std. Dev	1128		
			%RSD	32.22		
6	LCS	2/12/2020 5:18:50PM	1	330961	113.970	56.985
		2/12/2020 5:24:45PM	2	341878	117.771	58.886
			Avg	336420	115.870	57.936
			Std. Dev	7720		
			%RSD	2.29		
7	480-166106-J-1	2/12/2020 5:34:04PM	1	39673	12.550	6.275
		2/12/2020 5:39:56PM	2	36195	11.339	5.670
			Avg	37934	11.940	5.973
			Std. Dev	2459		
			%RSD	6.48		
8	480-166106-K-1 TIC	2/12/2020 5:49:13PM	1	40828	12.952	6.476
		2/12/2020 5:55:13PM	2	37445	11.774	5.887
			Avg	39136	12.360	6.181
			Std. Dev	2392		
			%RSD	6.11		
9	480-166106-J-2	2/12/2020 6:04:21PM	1	23360	6.870	3.435
		2/12/2020 6:10:33PM	2	19857	5.651	2.825
			Avg	21608	6.260	3.130
			Std. Dev	2477		
			%RSD	11.46		
10	480-166106-K-2 MS^2	2/12/2020 6:19:42PM	1	149336	50.732	25.366
		2/12/2020 6:25:34PM	2	154637	52.578	26.289

TIC PASS

LS

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	151986	51.650	25.828
			Std. Dev	3749		
			%RSD	2.47		
11	480-166106-K-2 MSD^2	2/12/2020 6:34:59PM	1	151558	51.506	25.753
		2/12/2020 6:40:52PM	2	156325	53.166	26.583
			Avg	153941	52.340	26.168
			Std. Dev	3371		
			%RSD	2.19		
12	480-166106-J-3	2/12/2020 6:49:56PM	1	34849	10.870	5.435
		2/12/2020 6:56:10PM	2	32928	10.202	5.101
			Avg	33889	10.540	5.268
			Std. Dev	1358		
			%RSD	4.01		
13	480-166106-J-4	2/12/2020 7:05:13PM	1	14792	3.887	1.944
		2/12/2020 7:11:19PM	2	14311	3.719	1.860
			Avg	14551	3.800	1.902
			Std. Dev	340		
			%RSD	2.34		
14	480-165923-G-1^8	2/12/2020 7:20:52PM	1	249854	85.730	42.865
		2/12/2020 7:26:46PM	2	258280	88.664	44.332
			Avg	254067	87.200	43.599
			Std. Dev	5958		
			%RSD	2.35		
15	CCV	2/12/2020 7:36:11PM	1	336080	115.752	57.876
		2/12/2020 7:42:05PM	2	346702	119.451	59.725
			Avg	341391	117.600	58.801
			Std. Dev	7511		
			%RSD	2.20		
16	CCB	2/12/2020 7:51:07PM	1	3165	0.000	0.000
		2/12/2020 7:56:45PM	2	2956	0.000	0.000
			Avg	3060	0.000	0.000
			Std. Dev	148		
			%RSD	4.84		
17	480-166055-F-4^4	2/12/2020 8:06:48PM	1	190677	65.126	32.563
		2/12/2020 8:12:41PM	2	188563	64.390	32.194
			Avg	189620	64.760	32.378
			Std. Dev	1495		
			%RSD	0.79		
18	480-166055-F-5	2/12/2020 8:21:39PM	1	19590	5.558	2.779
		2/12/2020 8:27:59PM	2	20535	5.887	2.943
			Avg	20063	5.720	2.861
			Std. Dev	668		
			%RSD	3.33		

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
19	480-166065-F-2^20	2/12/2020 8:37:27PM	1	160260	54.536	27.268
		2/12/2020 8:43:20PM	2	153974	52.347	26.174
			Avg	157117	53.440	26.721
			Std. Dev	4445		
			%RSD	2.83		
20	480-166065-F-3^8	2/12/2020 8:52:47PM	1	295291	101.550	50.775
		2/12/2020 8:58:39PM	2	284820	97.905	48.952
			Avg	290056	99.730	49.864
			Std. Dev	7404		
			%RSD	2.55		
21	480-166065-F-5^50	2/12/2020 9:08:08PM	1	178028	60.722	30.361
		2/12/2020 9:14:02PM	2	178273	60.807	30.404
			Avg	178151	60.760	30.383
			Std. Dev	173		
			%RSD	0.10		
22	480-166110-H-1	2/12/2020 9:22:36PM	1	11808	2.848	1.424
		2/12/2020 9:29:25PM	2	10689	2.459	1.229
			Avg	11248	2.650	1.327
			Std. Dev	791		
			%RSD	7.03		
23	480-166118-B-1	2/12/2020 9:38:38PM	1	39772	12.584	6.292
		2/12/2020 9:44:35PM	2	39689	12.556	6.278
			Avg	39730	12.570	6.285
			Std. Dev	59		
			%RSD	0.15		
24	480-166123-C-1	2/12/2020 9:53:33PM	1	32659	10.108	5.054
		2/12/2020 9:59:53PM	2	31015	9.536	4.768
			Avg	31837	9.820	4.911
			Std. Dev	1163		
			%RSD	3.65		
25	480-166129-D-1	2/12/2020 10:09:13PM	1	11682	2.804	1.402
		2/12/2020 10:15:11PM	2	11289	2.668	1.334
			Avg	11486	2.740	1.368
			Std. Dev	278		
			%RSD	2.42		
26	480-166129-D-2	2/12/2020 10:24:26PM	1	9868	2.172	1.086
		2/12/2020 10:30:08PM	2	9201	1.940	0.970
			Avg	9534	2.060	1.028
			Std. Dev	471		
			%RSD	4.94		
27	CCV	2/12/2020 10:39:54PM	1	337617	116.287	58.144
		2/12/2020 10:45:48PM	2	347183	119.618	59.809

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	342400	117.950	58.976
			Std. Dev	6764		
			%RSD	1.98		
28	CCB	2/12/2020 10:54:36PM	1	3137	0.000	0.000
		2/12/2020 11:00:37PM	2	2857	0.000	0.000
			Avg	2997	0.000	0.000
			Std. Dev	198		
			%RSD	6.61		
29	MB	2/12/2020 11:10:05PM	1	2897	0.000	0.000
		2/12/2020 11:15:53PM	2	2697	0.000	0.000
			Avg	2797	0.000	0.000
			Std. Dev	141		
			%RSD	5.04		
30	LCS	2/12/2020 11:25:47PM	1	327146	112.641	56.321
		2/12/2020 11:31:42PM	2	341729	117.719	58.860
			Avg	334437	115.180	57.591
			Std. Dev	10312		
			%RSD	3.08		
31	480-166136-A-1	2/12/2020 11:41:08PM	1	46518	14.933	7.467
		2/12/2020 11:47:00PM	2	48636	15.671	7.835
			Avg	47577	15.300	7.651
			Std. Dev	1497		
			%RSD	3.15		
32	480-166136-B-1 MS^2	2/12/2020 11:56:24PM	1	166153	56.587	28.294
		2/13/2020 12:02:20AM	2	174358	59.444	29.722
			Avg	170256	58.020	29.008
			Std. Dev	5802		
			%RSD	3.41		
33	480-166136-B-1 MSD^2	2/13/2020 12:11:48AM	1	165788	56.461	28.230
		2/13/2020 12:17:44AM	2	174127	59.364	29.682
			Avg	169957	57.910	28.956
			Std. Dev	5896		
			%RSD	3.47		
34	480-166124-E-1	2/13/2020 12:26:37AM	1	6544	1.015	0.508
		2/13/2020 12:32:34AM	2	5860	0.777	0.389
			Avg	6202	0.900	0.449
			Std. Dev	484		
			%RSD	7.80		
35	480-166124-E-2	2/13/2020 12:41:59AM	1	6006	0.828	0.414
		2/13/2020 12:47:45AM	2	5670	0.711	0.355
			Avg	5838	0.770	0.385
			Std. Dev	238		
			%RSD	4.08		

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
36	480-166124-E-3	2/13/2020 12:57:28AM	1	5838	0.770	0.385
		2/13/2020 1:03:22AM	2	5258	0.568	0.284
			Avg	5548	0.670	0.335
			Std. Dev	411		
			%RSD	7.40		
37	CCV	2/13/2020 1:13:18AM	1	334946	115.357	57.679
		2/13/2020 1:19:11AM	2	345117	118.898	59.449
			Avg	340031	117.130	58.564
			Std. Dev	7191		
			%RSD	2.11		
38	CCB	2/13/2020 1:28:07AM	1	2953	0.000	0.000
		2/13/2020 1:33:43AM	2	2814	0.000	0.000
			Avg	2883	0.000	0.000
			Std. Dev	99		
			%RSD	3.42		
39	LLV	2/13/2020 1:43:43AM	1	9322	1.982	0.991
		2/13/2020 1:49:27AM	2	9174	1.931	0.966
			Avg	9248	1.960	0.978
			Std. Dev	104		
			%RSD	1.13		

Historical Data Summary Report

For Batch 517531

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-165923-G-1 ^8	Leachate	5310C	Total Organic Carbon	Total/NA	mg/L	8	8.0	349	☐	43.904 - 483.846	☐	121.6 - 472.8
480-166106-J-1	B107	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	6.0	☐	5.881 - 11.969	☐	5.92 - 12.84
480-166106-J-2	G103	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-166106-J-3	G105	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	5.3	☑	0 - 0	☑	0 - 0 Re
480-166106-J-4	G114	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-166118-B-1	G140	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	6.3	☐	0 - 16.258	☐	0 - 11.28
480-166123-C-1	R141	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 10.969	☐	0 - 7.32
480-166136-A-1	EFFLUENT	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	7.7	☐	0.498 - 12.477	☐	3.44 - 13.2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-166129-1

SDG No.:

Batch Number: 517531 Batch Start Date: 02/12/20 16:18 Batch Analyst: Abramo, Charles L

Batch Method: SM 5310C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Res1&2RPD	RPDOK	TOC_CCV 00081	TOC_LCS 00080		
CCV 480-517531/2		SM 5310C		3 %	TOC Pass	# mL			
CCB 480-517531/3		SM 5310C		200 %	TOC Fail				
MB 480-517531/4		SM 5310C		200 %	TOC Fail				
LCS 480-517531/5		SM 5310C		3 %	TOC Pass		# mL		
CCV 480-517531/13		SM 5310C		3 %	TOC Pass	# mL			
CCB 480-517531/14		SM 5310C			TOC Pass				
480-166129-D-1	RW-1	SM 5310C	T	5 %	TOC Pass				
480-166129-D-2	RW-2	SM 5310C	T	11 %	TOC Fail				
CCV 480-517531/25		SM 5310C		3 %	TOC Pass	# mL			
CCB 480-517531/26		SM 5310C			TOC Pass				

Batch Notes	
Acid ID	5510039
Combustion Catylyst ID	TIC 5648531
Phosphoric Acid ID	5675805
Pipette/Syringe/Dispenser ID	M 35907 C
Sodium Persulfate ID	5719813

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

480-166129 Chain of Custody

Eurofins Environment Testing TestAmerica

Client Information	Sampler: Frank Zabel	Lab PM: Stone, Judy L	3576-30092.1
Client Contact: Jessica Marcy	Phone: 518-470-0435	E-Mail: judy.stone@testamericainc.com	of 1
Company: Aztech Technologies Inc			Job #:
Address: 5 McCrea Hill Road	Due Date Requested:		
City: Ballston Spa	TAT Requested (days):		
State, Zip: NY, 12020			
Phone:	PO #: Call Out 137243		
Email: jmarcy@aztechenv.com	WO #:		
Project Name: Roxy Cleaners #442024	Project #: 48020662		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	A		
RW-1	2/7/20	13:03	G	Water			X		X		
RW-2	2/7/20	13:05	G	Water			X		X		
RW-3	2/7/20	13:08	G	Water			X				
DUP	2/7/20	13:10	G	Water			X				
Effluent	2/7/20	13:00	G	Water			X				
Trip Blank	2/7/20			Water							
				Water							
KZ 2/7/20				Water							
				Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Frank Zabel	Date/Time: 2/7/20 1430	Company: Aztech	Received by: Karl Zaehn	Date/Time: 2/7/20 1430	Company: Eurofins
Relinquished by: Karl Zaehn	Date/Time: 2/8/20 1700	Company: Eurofins	Received by: [illegible]	Date/Time: 2/8/20 0900	Company: TAB
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.3 4T

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-166129-1

Login Number: 166129 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

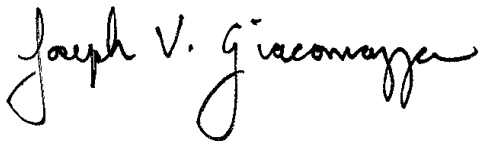
Job Number: 480-167088-1

Job Description: Roxy Cleaners #442024

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, NY 12233-7014

Attention: Jenelle Gaylord



Approved for release.
Joe V Giacomazza
Project Management Assistant II
3/18/2020 11:52 AM

Designee for
Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
judy.stone@testamericainc.com
03/18/2020

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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

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

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Job Narrative
480-167088-1

Comments
No additional comments.

Receipt
The samples were received on 3/6/2020 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-520696 recovered outside acceptance criteria, low biased, for 1,2-Dichloroethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: RW-1 (480-167088-1), RW-3 (480-167088-3), DUP (480-167088-4), EFFLUENT (480-167088-5) and TRIP BLANK (480-167088-6).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: RW-3 (480-167088-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: RW-1 (480-167088-1) and DUP (480-167088-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-521067 recovered above the upper control limit for Methylcyclohexane. The sample associated with this CCV was non-detect for the affected analyte; therefore, the data have been reported. The following sample is impacted: RW-2 (480-167088-2).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: RW-2 (480-167088-2). Elevated reporting limits (RLs) are provided.

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

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

Qualifiers

GC/MS VOA

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

Glossary

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

Sample Summary

Client: New York State D.E.C.
Job ID: 480-167088-1
Project/Site: Roxy Cleaners #442024

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-167088-1	RW-1	Water	03/05/20 12:30	03/06/20 08:00	
480-167088-2	RW-2	Water	03/05/20 12:35	03/06/20 08:00	
480-167088-3	RW-3	Water	03/05/20 12:40	03/06/20 08:00	
480-167088-4	DUP	Water	03/05/20 12:50	03/06/20 08:00	
480-167088-5	EFFLUENT	Water	03/05/20 12:45	03/06/20 08:00	
480-167088-6	TRIP BLANK	Water	03/05/20 00:00	03/06/20 08:00	

Detection Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-167088-1

Client Sample ID: RW-1 — Lab Sample ID: 480-167088-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	94		20	2.6	ug/L	2		8260C	Total/NA
Acetone	200		20	6.0	ug/L	2		8260C	Total/NA
Chloromethane	0.71	J	2.0	0.70	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	27		2.0	1.6	ug/L	2		8260C	Total/NA
Methyl tert-butyl ether	1.4	J	2.0	0.32	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.95	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	7.1		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	19		2.0	1.8	ug/L	2		8260C	Total/NA
Total Organic Carbon	349		20.0	8.7	mg/L	20		SM 5310C	Total/NA

Client Sample ID: RW-2 — Lab Sample ID: 480-167088-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	14		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	76		2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	3.7		2.0	0.92	ug/L	2		8260C	Total/NA
Total Organic Carbon	1.7		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: RW-3 — Lab Sample ID: 480-167088-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.5		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	200		4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	2.9	J	4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: DUP — Lab Sample ID: 480-167088-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	150		50	6.6	ug/L	5		8260C	Total/NA
Acetone	240		50	15	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	5.4		5.0	4.1	ug/L	5		8260C	Total/NA
Methyl tert-butyl ether	1.4	J	5.0	0.80	ug/L	5		8260C	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-167088-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibromochloromethane	0.38	J	1.0	0.32	ug/L	1		8260C	Total/NA
Chloroform	0.72	J	1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-167088-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Job ID: 480-167088-1
Project/Site: Roxy Cleaners #442024

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Client Sample ID: RW-1
Lab Sample ID: 480-167088-1

Date Collected: 03/05/20 12:30
Matrix: Water

Date Received: 03/06/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			03/10/20 14:21	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/10/20 14:21	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/10/20 14:21	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			03/10/20 14:21	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/10/20 14:21	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/10/20 14:21	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			03/10/20 14:21	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			03/10/20 14:21	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			03/10/20 14:21	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/10/20 14:21	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/10/20 14:21	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			03/10/20 14:21	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			03/10/20 14:21	2
2-Butanone (MEK)	**94**		20	2.6	ug/L			03/10/20 14:21	2
2-Hexanone	ND		10	2.5	ug/L			03/10/20 14:21	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/10/20 14:21	2
Acetone	**200**		20	6.0	ug/L			03/10/20 14:21	2
Benzene	ND		2.0	0.82	ug/L			03/10/20 14:21	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/10/20 14:21	2
Bromoform	ND		2.0	0.52	ug/L			03/10/20 14:21	2
Bromomethane	ND		2.0	1.4	ug/L			03/10/20 14:21	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/10/20 14:21	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/10/20 14:21	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/10/20 14:21	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/10/20 14:21	2
Chloroethane	ND		2.0	0.64	ug/L			03/10/20 14:21	2
Chloroform	ND		2.0	0.68	ug/L			03/10/20 14:21	2
Chloromethane	**0.71**	**J**	2.0	0.70	ug/L			03/10/20 14:21	2
cis-1,2-Dichloroethene	**27**		2.0	1.6	ug/L			03/10/20 14:21	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/10/20 14:21	2
Cyclohexane	ND		2.0	0.36	ug/L			03/10/20 14:21	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			03/10/20 14:21	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/10/20 14:21	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			03/10/20 14:21	2
Isopropylbenzene	ND		2.0	1.6	ug/L			03/10/20 14:21	2
Methyl acetate	ND		5.0	2.6	ug/L			03/10/20 14:21	2
Methyl tert-butyl ether	**1.4**	**J**	2.0	0.32	ug/L			03/10/20 14:21	2
Methylcyclohexane	ND		2.0	0.32	ug/L			03/10/20 14:21	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/10/20 14:21	2
Styrene	ND		2.0	1.5	ug/L			03/10/20 14:21	2
Tetrachloroethene	**0.95**	**J**	2.0	0.72	ug/L			03/10/20 14:21	2
Toluene	ND		2.0	1.0	ug/L			03/10/20 14:21	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/10/20 14:21	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/10/20 14:21	2
Trichloroethene	**7.1**		2.0	0.92	ug/L			03/10/20 14:21	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			03/10/20 14:21	2
Vinyl chloride	**19**		2.0	1.8	ug/L			03/10/20 14:21	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/10/20 14:21	2

Client Sample ID: RW-1
Lab Sample ID: 480-167088-1

Date Collected: 03/05/20 12:30
Matrix: Water
Date Received: 03/06/20 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/10/20 14:21*	*2*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*03/10/20 14:21*	*2*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/10/20 14:21*	*2*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*03/10/20 14:21*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**349**		20.0	8.7	mg/L			03/11/20 18:39	20

Client Sample ID: RW-2
Lab Sample ID: 480-167088-2

Date Collected: 03/05/20 12:35
Matrix: Water
Date Received: 03/06/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			03/12/20 01:21	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/12/20 01:21	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/12/20 01:21	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			03/12/20 01:21	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/12/20 01:21	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/12/20 01:21	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			03/12/20 01:21	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			03/12/20 01:21	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			03/12/20 01:21	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/12/20 01:21	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/12/20 01:21	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			03/12/20 01:21	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			03/12/20 01:21	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/12/20 01:21	2
2-Hexanone	ND		10	2.5	ug/L			03/12/20 01:21	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/12/20 01:21	2
Acetone	ND		20	6.0	ug/L			03/12/20 01:21	2
Benzene	ND		2.0	0.82	ug/L			03/12/20 01:21	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/12/20 01:21	2
Bromoform	ND		2.0	0.52	ug/L			03/12/20 01:21	2
Bromomethane	ND		2.0	1.4	ug/L			03/12/20 01:21	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/12/20 01:21	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/12/20 01:21	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/12/20 01:21	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/12/20 01:21	2
Chloroethane	ND		2.0	0.64	ug/L			03/12/20 01:21	2
Chloroform	ND		2.0	0.68	ug/L			03/12/20 01:21	2
Chloromethane	ND		2.0	0.70	ug/L			03/12/20 01:21	2
cis-1,2-Dichloroethene	**14**		2.0	1.6	ug/L			03/12/20 01:21	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/12/20 01:21	2
Cyclohexane	ND		2.0	0.36	ug/L			03/12/20 01:21	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			03/12/20 01:21	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/12/20 01:21	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			03/12/20 01:21	2
Isopropylbenzene	ND		2.0	1.6	ug/L			03/12/20 01:21	2
Methyl acetate	ND		5.0	2.6	ug/L			03/12/20 01:21	2

Client Sample ID: RW-2
Lab Sample ID: 480-167088-2
Date Collected: 03/05/20 12:35
Matrix: Water
Date Received: 03/06/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			03/12/20 01:21	2
Methylcyclohexane	ND		2.0	0.32	ug/L			03/12/20 01:21	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/12/20 01:21	2
Styrene	ND		2.0	1.5	ug/L			03/12/20 01:21	2
Tetrachloroethene	**76**		2.0	0.72	ug/L			03/12/20 01:21	2
Toluene	ND		2.0	1.0	ug/L			03/12/20 01:21	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/12/20 01:21	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/12/20 01:21	2
Trichloroethene	**3.7**		2.0	0.92	ug/L			03/12/20 01:21	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			03/12/20 01:21	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/12/20 01:21	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/12/20 01:21	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/12/20 01:21*	*2*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*03/12/20 01:21*	*2*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*03/12/20 01:21*	*2*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/12/20 01:21*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.7**		1.0	0.43	mg/L			03/08/20 01:55	1

Client Sample ID: RW-3
Lab Sample ID: 480-167088-3
Date Collected: 03/05/20 12:40
Matrix: Water
Date Received: 03/06/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			03/10/20 15:08	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/10/20 15:08	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/10/20 15:08	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			03/10/20 15:08	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			03/10/20 15:08	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			03/10/20 15:08	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			03/10/20 15:08	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			03/10/20 15:08	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			03/10/20 15:08	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/10/20 15:08	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/10/20 15:08	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			03/10/20 15:08	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			03/10/20 15:08	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/10/20 15:08	4
2-Hexanone	ND		20	5.0	ug/L			03/10/20 15:08	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/10/20 15:08	4
Acetone	ND		40	12	ug/L			03/10/20 15:08	4
Benzene	ND		4.0	1.6	ug/L			03/10/20 15:08	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/10/20 15:08	4
Bromoform	ND		4.0	1.0	ug/L			03/10/20 15:08	4
Bromomethane	ND		4.0	2.8	ug/L			03/10/20 15:08	4

Client Sample ID: RW-3
Lab Sample ID: 480-167088-3
Date Collected: 03/05/20 12:40
Matrix: Water
Date Received: 03/06/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			03/10/20 15:08	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/10/20 15:08	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/10/20 15:08	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/10/20 15:08	4
Chloroethane	ND		4.0	1.3	ug/L			03/10/20 15:08	4
Chloroform	ND		4.0	1.4	ug/L			03/10/20 15:08	4
Chloromethane	ND		4.0	1.4	ug/L			03/10/20 15:08	4
cis-1,2-Dichloroethene	**5.5**		4.0	3.2	ug/L			03/10/20 15:08	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/10/20 15:08	4
Cyclohexane	ND		4.0	0.72	ug/L			03/10/20 15:08	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			03/10/20 15:08	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/10/20 15:08	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			03/10/20 15:08	4
Isopropylbenzene	ND		4.0	3.2	ug/L			03/10/20 15:08	4
Methyl acetate	ND		10	5.2	ug/L			03/10/20 15:08	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			03/10/20 15:08	4
Methylcyclohexane	ND		4.0	0.64	ug/L			03/10/20 15:08	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/10/20 15:08	4
Styrene	ND		4.0	2.9	ug/L			03/10/20 15:08	4
Tetrachloroethene	**200**		4.0	1.4	ug/L			03/10/20 15:08	4
Toluene	ND		4.0	2.0	ug/L			03/10/20 15:08	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			03/10/20 15:08	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/10/20 15:08	4
Trichloroethene	**2.9**	**J**	4.0	1.8	ug/L			03/10/20 15:08	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			03/10/20 15:08	4
Vinyl chloride	ND		4.0	3.6	ug/L			03/10/20 15:08	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/10/20 15:08	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/10/20 15:08*	*4*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*03/10/20 15:08*	*4*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*03/10/20 15:08*	*4*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*03/10/20 15:08*	*4*

Client Sample ID: DUP
Lab Sample ID: 480-167088-4
Date Collected: 03/05/20 12:50
Matrix: Water
Date Received: 03/06/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			03/10/20 15:31	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			03/10/20 15:31	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			03/10/20 15:31	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			03/10/20 15:31	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			03/10/20 15:31	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			03/10/20 15:31	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			03/10/20 15:31	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			03/10/20 15:31	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			03/10/20 15:31	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			03/10/20 15:31	5

Client Sample ID: DUP
Lab Sample ID: 480-167088-4

Date Collected: 03/05/20 12:50
Matrix: Water

Date Received: 03/06/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.0	3.6	ug/L			03/10/20 15:31	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			03/10/20 15:31	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			03/10/20 15:31	5
2-Butanone (MEK)	**150**		50	6.6	ug/L			03/10/20 15:31	5
2-Hexanone	ND		25	6.2	ug/L			03/10/20 15:31	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			03/10/20 15:31	5
Acetone	**240**		50	15	ug/L			03/10/20 15:31	5
Benzene	ND		5.0	2.1	ug/L			03/10/20 15:31	5
Bromodichloromethane	ND		5.0	2.0	ug/L			03/10/20 15:31	5
Bromoform	ND		5.0	1.3	ug/L			03/10/20 15:31	5
Bromomethane	ND		5.0	3.5	ug/L			03/10/20 15:31	5
Carbon disulfide	ND		5.0	0.95	ug/L			03/10/20 15:31	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			03/10/20 15:31	5
Chlorobenzene	ND		5.0	3.8	ug/L			03/10/20 15:31	5
Dibromochloromethane	ND		5.0	1.6	ug/L			03/10/20 15:31	5
Chloroethane	ND		5.0	1.6	ug/L			03/10/20 15:31	5
Chloroform	ND		5.0	1.7	ug/L			03/10/20 15:31	5
Chloromethane	ND		5.0	1.8	ug/L			03/10/20 15:31	5
cis-1,2-Dichloroethene	**5.4**		5.0	4.1	ug/L			03/10/20 15:31	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			03/10/20 15:31	5
Cyclohexane	ND		5.0	0.90	ug/L			03/10/20 15:31	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			03/10/20 15:31	5
Ethylbenzene	ND		5.0	3.7	ug/L			03/10/20 15:31	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			03/10/20 15:31	5
Isopropylbenzene	ND		5.0	4.0	ug/L			03/10/20 15:31	5
Methyl acetate	ND		13	6.5	ug/L			03/10/20 15:31	5
Methyl tert-butyl ether	**1.4**	**J**	5.0	0.80	ug/L			03/10/20 15:31	5
Methylcyclohexane	ND		5.0	0.80	ug/L			03/10/20 15:31	5
Methylene Chloride	ND		5.0	2.2	ug/L			03/10/20 15:31	5
Styrene	ND		5.0	3.7	ug/L			03/10/20 15:31	5
Tetrachloroethene	ND		5.0	1.8	ug/L			03/10/20 15:31	5
Toluene	ND		5.0	2.6	ug/L			03/10/20 15:31	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			03/10/20 15:31	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			03/10/20 15:31	5
Trichloroethene	ND		5.0	2.3	ug/L			03/10/20 15:31	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			03/10/20 15:31	5
Vinyl chloride	ND		5.0	4.5	ug/L			03/10/20 15:31	5
Xylenes, Total	ND		10	3.3	ug/L			03/10/20 15:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/10/20 15:31*	*5*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/10/20 15:31*	*5*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/10/20 15:31*	*5*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*03/10/20 15:31*	*5*

Client Sample ID: EFFLUENT
Lab Sample ID: 480-167088-5

Date Collected: 03/05/20 12:45
Matrix: Water

Date Received: 03/06/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/10/20 15:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/10/20 15:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/10/20 15:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/10/20 15:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/10/20 15:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/10/20 15:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/10/20 15:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/10/20 15:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/10/20 15:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/10/20 15:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/10/20 15:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/10/20 15:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/10/20 15:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/10/20 15:55	1
2-Hexanone	ND		5.0	1.2	ug/L			03/10/20 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/10/20 15:55	1
Acetone	ND		10	3.0	ug/L			03/10/20 15:55	1
Benzene	ND		1.0	0.41	ug/L			03/10/20 15:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/10/20 15:55	1
Bromoform	ND		1.0	0.26	ug/L			03/10/20 15:55	1
Bromomethane	ND		1.0	0.69	ug/L			03/10/20 15:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/10/20 15:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/10/20 15:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/10/20 15:55	1
Dibromochloromethane	**0.38**	**J**	1.0	0.32	ug/L			03/10/20 15:55	1
Chloroethane	ND		1.0	0.32	ug/L			03/10/20 15:55	1
Chloroform	**0.72**	**J**	1.0	0.34	ug/L			03/10/20 15:55	1
Chloromethane	ND		1.0	0.35	ug/L			03/10/20 15:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/10/20 15:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/10/20 15:55	1
Cyclohexane	ND		1.0	0.18	ug/L			03/10/20 15:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/10/20 15:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/10/20 15:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/10/20 15:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/10/20 15:55	1
Methyl acetate	ND		2.5	1.3	ug/L			03/10/20 15:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/10/20 15:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/10/20 15:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/10/20 15:55	1
Styrene	ND		1.0	0.73	ug/L			03/10/20 15:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/10/20 15:55	1
Toluene	ND		1.0	0.51	ug/L			03/10/20 15:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/10/20 15:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/10/20 15:55	1
Trichloroethene	ND		1.0	0.46	ug/L			03/10/20 15:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/10/20 15:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/10/20 15:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/10/20 15:55	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-167088-5

Date Collected: 03/05/20 12:45
Matrix: Water
Date Received: 03/06/20 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/10/20 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/10/20 15:55*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/10/20 15:55*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/10/20 15:55*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-167088-6

Date Collected: 03/05/20 00:00
Matrix: Water
Date Received: 03/06/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/10/20 16:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/10/20 16:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/10/20 16:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/10/20 16:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/10/20 16:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/10/20 16:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/10/20 16:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/10/20 16:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/10/20 16:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/10/20 16:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/10/20 16:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/10/20 16:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/10/20 16:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/10/20 16:18	1
2-Hexanone	ND		5.0	1.2	ug/L			03/10/20 16:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/10/20 16:18	1
Acetone	ND		10	3.0	ug/L			03/10/20 16:18	1
Benzene	ND		1.0	0.41	ug/L			03/10/20 16:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/10/20 16:18	1
Bromoform	ND		1.0	0.26	ug/L			03/10/20 16:18	1
Bromomethane	ND		1.0	0.69	ug/L			03/10/20 16:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/10/20 16:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/10/20 16:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/10/20 16:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/10/20 16:18	1
Chloroethane	ND		1.0	0.32	ug/L			03/10/20 16:18	1
Chloroform	ND		1.0	0.34	ug/L			03/10/20 16:18	1
Chloromethane	ND		1.0	0.35	ug/L			03/10/20 16:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/10/20 16:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/10/20 16:18	1
Cyclohexane	ND		1.0	0.18	ug/L			03/10/20 16:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/10/20 16:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/10/20 16:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/10/20 16:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/10/20 16:18	1
Methyl acetate	ND		2.5	1.3	ug/L			03/10/20 16:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/10/20 16:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/10/20 16:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/10/20 16:18	1

Client: New York State D.E.C.
Job ID: 480-167088-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-167088-6
Date Collected: 03/05/20 00:00
Matrix: Water
Date Received: 03/06/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			03/10/20 16:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/10/20 16:18	1
Toluene	ND		1.0	0.51	ug/L			03/10/20 16:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/10/20 16:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/10/20 16:18	1
Trichloroethene	ND		1.0	0.46	ug/L			03/10/20 16:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/10/20 16:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/10/20 16:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/10/20 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/10/20 16:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/10/20 16:18*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/10/20 16:18*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/10/20 16:18*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-167088-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-167088-1	RW-1	100	96	97	95
480-167088-2	RW-2	100	91	96	94
480-167088-3	RW-3	102	91	96	93
480-167088-4	DUP	103	93	97	93
480-167088-5	EFFLUENT	102	93	97	94
480-167088-6	TRIP BLANK	101	93	97	94
LCS 480-520696/5	Lab Control Sample	105	89	96	92
LCS 480-521067/5	Lab Control Sample	102	93	98	94
MB 480-520696/7	Method Blank	102	92	97	93
MB 480-521067/7	Method Blank	101	92	99	93

Surrogate Legend

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

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

Lab Sample ID: MB 480-520696/7
Matrix: Water
Analysis Batch: 520696

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/10/20 11:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/10/20 11:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/10/20 11:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/10/20 11:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/10/20 11:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/10/20 11:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/10/20 11:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/10/20 11:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/10/20 11:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/10/20 11:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/10/20 11:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/10/20 11:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/10/20 11:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/10/20 11:06	1
2-Hexanone	ND		5.0	1.2	ug/L			03/10/20 11:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/10/20 11:06	1
Acetone	ND		10	3.0	ug/L			03/10/20 11:06	1
Benzene	ND		1.0	0.41	ug/L			03/10/20 11:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/10/20 11:06	1
Bromoform	ND		1.0	0.26	ug/L			03/10/20 11:06	1
Bromomethane	ND		1.0	0.69	ug/L			03/10/20 11:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/10/20 11:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/10/20 11:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/10/20 11:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/10/20 11:06	1
Chloroethane	ND		1.0	0.32	ug/L			03/10/20 11:06	1
Chloroform	ND		1.0	0.34	ug/L			03/10/20 11:06	1
Chloromethane	ND		1.0	0.35	ug/L			03/10/20 11:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/10/20 11:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/10/20 11:06	1
Cyclohexane	ND		1.0	0.18	ug/L			03/10/20 11:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/10/20 11:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/10/20 11:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/10/20 11:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/10/20 11:06	1
Methyl acetate	ND		2.5	1.3	ug/L			03/10/20 11:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/10/20 11:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/10/20 11:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/10/20 11:06	1
Styrene	ND		1.0	0.73	ug/L			03/10/20 11:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/10/20 11:06	1
Toluene	ND		1.0	0.51	ug/L			03/10/20 11:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/10/20 11:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/10/20 11:06	1
Trichloroethene	ND		1.0	0.46	ug/L			03/10/20 11:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/10/20 11:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/10/20 11:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/10/20 11:06	1

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

Lab Sample ID: MB 480-520696/7
Matrix: Water
Analysis Batch: 520696

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/10/20 11:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*03/10/20 11:06*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/10/20 11:06*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*03/10/20 11:06*	*1*

Lab Sample ID: LCS 480-520696/5
Matrix: Water
Analysis Batch: 520696

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.0		ug/L		88	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.7		ug/L		103	76 - 120
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0		ug/L		100	61 - 148
1,1-Dichloroethane	25.0	23.6		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	24.2		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.5		ug/L		90	56 - 134
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	19.5		ug/L		78	75 - 120
1,2-Dichloropropane	25.0	25.9		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	24.7		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 120
2-Butanone (MEK)	125	102		ug/L		82	57 - 140
2-Hexanone	125	113		ug/L		91	65 - 127
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		89	71 - 125
Acetone	125	97.3		ug/L		78	56 - 142
Benzene	25.0	25.2		ug/L		101	71 - 124
Bromodichloromethane	25.0	22.5		ug/L		90	80 - 122
Bromoform	25.0	22.5		ug/L		90	61 - 132
Bromomethane	25.0	21.6		ug/L		86	55 - 144
Carbon disulfide	25.0	24.1		ug/L		97	59 - 134
Carbon tetrachloride	25.0	21.7		ug/L		87	72 - 134
Chlorobenzene	25.0	24.9		ug/L		99	80 - 120
Dibromochloromethane	25.0	23.0		ug/L		92	75 - 125
Chloroethane	25.0	18.6		ug/L		74	69 - 136
Chloroform	25.0	22.0		ug/L		88	73 - 127
Chloromethane	25.0	19.7		ug/L		79	68 - 124
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	24.7		ug/L		99	74 - 124
Cyclohexane	25.0	26.2		ug/L		105	59 - 135
Dichlorodifluoromethane	25.0	18.8		ug/L		75	59 - 135
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123
1,2-Dibromoethane	25.0	24.0		ug/L		96	77 - 120
Isopropylbenzene	25.0	25.8		ug/L		103	77 - 122
Methyl acetate	50.0	43.5		ug/L		87	74 - 133
Methyl tert-butyl ether	25.0	22.1		ug/L		88	77 - 120
Methylcyclohexane	25.0	26.8		ug/L		107	68 - 134

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

Lab Sample ID: LCS 480-520696/5
Matrix: Water
Analysis Batch: 520696

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	25.0		ug/L		100	75 - 124
Styrene	25.0	25.0		ug/L		100	80 - 120
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
Toluene	25.0	25.8		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	24.6		ug/L		98	80 - 120
Trichloroethene	25.0	24.1		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	20.4		ug/L		82	62 - 150
Vinyl chloride	25.0	21.4		ug/L		86	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*75 - 123*

Lab Sample ID: MB 480-521067/7
Matrix: Water
Analysis Batch: 521067

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/12/20 00:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/12/20 00:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/12/20 00:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/12/20 00:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/12/20 00:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/12/20 00:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/12/20 00:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/12/20 00:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/12/20 00:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/12/20 00:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/12/20 00:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/12/20 00:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/12/20 00:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/12/20 00:51	1
2-Hexanone	ND		5.0	1.2	ug/L			03/12/20 00:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/12/20 00:51	1
Acetone	ND		10	3.0	ug/L			03/12/20 00:51	1
Benzene	ND		1.0	0.41	ug/L			03/12/20 00:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/12/20 00:51	1
Bromoform	ND		1.0	0.26	ug/L			03/12/20 00:51	1
Bromomethane	ND		1.0	0.69	ug/L			03/12/20 00:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/12/20 00:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/12/20 00:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/12/20 00:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/12/20 00:51	1
Chloroethane	ND		1.0	0.32	ug/L			03/12/20 00:51	1
Chloroform	ND		1.0	0.34	ug/L			03/12/20 00:51	1

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

Lab Sample ID: MB 480-521067/7
Matrix: Water
Analysis Batch: 521067

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			03/12/20 00:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/12/20 00:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/12/20 00:51	1
Cyclohexane	ND		1.0	0.18	ug/L			03/12/20 00:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/12/20 00:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/12/20 00:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/12/20 00:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/12/20 00:51	1
Methyl acetate	ND		2.5	1.3	ug/L			03/12/20 00:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/12/20 00:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/12/20 00:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/12/20 00:51	1
Styrene	ND		1.0	0.73	ug/L			03/12/20 00:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/12/20 00:51	1
Toluene	ND		1.0	0.51	ug/L			03/12/20 00:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/12/20 00:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/12/20 00:51	1
Trichloroethene	ND		1.0	0.46	ug/L			03/12/20 00:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/12/20 00:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/12/20 00:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/12/20 00:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/12/20 00:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*03/12/20 00:51*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/12/20 00:51*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*03/12/20 00:51*	*1*

Lab Sample ID: LCS 480-521067/5
Matrix: Water
Analysis Batch: 521067

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.0		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.9		ug/L		112	76 - 120
1,1,2-Trichloroethane	25.0	26.3		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.6		ug/L		115	61 - 148
1,1-Dichloroethane	25.0	24.9		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	26.7		ug/L		107	66 - 127
1,2,4-Trichlorobenzene	25.0	25.9		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.6		ug/L		99	56 - 134
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	20.7		ug/L		83	75 - 120
1,2-Dichloropropane	25.0	26.7		ug/L		107	76 - 120
1,3-Dichlorobenzene	25.0	25.8		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 120
2-Butanone (MEK)	125	117		ug/L		93	57 - 140
2-Hexanone	125	126		ug/L		100	65 - 127

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

Lab Sample ID: LCS 480-521067/5
Matrix: Water
Analysis Batch: 521067

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	125	123		ug/L		98	71 - 125
Acetone	125	111		ug/L		89	56 - 142
Benzene	25.0	26.5		ug/L		106	71 - 124
Bromodichloromethane	25.0	23.7		ug/L		95	80 - 122
Bromoform	25.0	25.0		ug/L		100	61 - 132
Bromomethane	25.0	22.4		ug/L		90	55 - 144
Carbon disulfide	25.0	27.1		ug/L		108	59 - 134
Carbon tetrachloride	25.0	23.9		ug/L		96	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120
Dibromochloromethane	25.0	23.9		ug/L		96	75 - 125
Chloroethane	25.0	19.9		ug/L		80	69 - 136
Chloroform	25.0	23.1		ug/L		92	73 - 127
Chloromethane	25.0	19.7		ug/L		79	68 - 124
cis-1,2-Dichloroethene	25.0	25.5		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	26.1		ug/L		104	74 - 124
Cyclohexane	25.0	30.2		ug/L		121	59 - 135
Dichlorodifluoromethane	25.0	20.2		ug/L		81	59 - 135
Ethylbenzene	25.0	26.2		ug/L		105	77 - 123
1,2-Dibromoethane	25.0	25.5		ug/L		102	77 - 120
Isopropylbenzene	25.0	27.2		ug/L		109	77 - 122
Methyl acetate	50.0	48.9		ug/L		98	74 - 133
Methyl tert-butyl ether	25.0	24.0		ug/L		96	77 - 120
Methylcyclohexane	25.0	30.9		ug/L		123	68 - 134
Methylene Chloride	25.0	26.2		ug/L		105	75 - 124
Styrene	25.0	26.1		ug/L		104	80 - 120
Tetrachloroethene	25.0	26.2		ug/L		105	74 - 122
Toluene	25.0	26.2		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	80 - 120
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	23.5		ug/L		94	62 - 150
Vinyl chloride	25.0	23.2		ug/L		93	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*75 - 123*

Method: SM 5310C - TOC

Lab Sample ID: MB 480-520775/29
Matrix: Water
Analysis Batch: 520775

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			03/08/20 00:00	1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: LCS 480-520775/30
Matrix: Water
Analysis Batch: 520775

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	60.88		mg/L		101	90 - 110

Lab Sample ID: MB 480-521170/4
Matrix: Water
Analysis Batch: 521170

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			03/11/20 16:23	1

Lab Sample ID: LCS 480-521170/5
Matrix: Water
Analysis Batch: 521170

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	59.01		mg/L		98	90 - 110

QC Association Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-167088-1

GC/MS VOA

Analysis Batch: 520696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167088-1	RW-1	Total/NA	Water	8260C	
480-167088-3	RW-3	Total/NA	Water	8260C	
480-167088-4	DUP	Total/NA	Water	8260C	
480-167088-5	EFFLUENT	Total/NA	Water	8260C	
480-167088-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-520696/7	Method Blank	Total/NA	Water	8260C	
LCS 480-520696/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 521067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167088-2	RW-2	Total/NA	Water	8260C	
MB 480-521067/7	Method Blank	Total/NA	Water	8260C	
LCS 480-521067/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 520775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167088-2	RW-2	Total/NA	Water	SM 5310C	
MB 480-520775/29	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-520775/30	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 521170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167088-1	RW-1	Total/NA	Water	SM 5310C	
MB 480-521170/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-521170/5	Lab Control Sample	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-167088-1

Client Sample ID: RW-1
Date Collected: 03/05/20 12:30
Date Received: 03/06/20 08:00

Lab Sample ID: 480-167088-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	520696	03/10/20 14:21	CDC	TAL BUF
Total/NA	Analysis	SM 5310C		20	521170	03/11/20 18:39	CLA	TAL BUF

Client Sample ID: RW-2
Date Collected: 03/05/20 12:35
Date Received: 03/06/20 08:00

Lab Sample ID: 480-167088-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	521067	03/12/20 01:21	CRL	TAL BUF
Total/NA	Analysis	SM 5310C		1	520775	03/08/20 01:55	CLA	TAL BUF

Client Sample ID: RW-3
Date Collected: 03/05/20 12:40
Date Received: 03/06/20 08:00

Lab Sample ID: 480-167088-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	520696	03/10/20 15:08	CDC	TAL BUF

Client Sample ID: DUP
Date Collected: 03/05/20 12:50
Date Received: 03/06/20 08:00

Lab Sample ID: 480-167088-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	520696	03/10/20 15:31	CDC	TAL BUF

Client Sample ID: EFFLUENT
Date Collected: 03/05/20 12:45
Date Received: 03/06/20 08:00

Lab Sample ID: 480-167088-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	520696	03/10/20 15:55	CDC	TAL BUF

Client Sample ID: TRIP BLANK
Date Collected: 03/05/20 00:00
Date Received: 03/06/20 08:00

Lab Sample ID: 480-167088-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	520696	03/10/20 16:18	CDC	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-167088-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
RW-1	480-167088-1	95	96	100	97
RW-2	480-167088-2	94	91	100	96
RW-3	480-167088-3	93	91	102	96
DUP	480-167088-4	93	93	103	97
EFFLUENT	480-167088-5	94	93	102	97
TRIP BLANK	480-167088-6	94	93	101	97
	MB 480-520696/7	93	92	102	97
	MB 480-521067/7	93	92	101	99
	LCS 480-520696/5	92	89	105	96
	LCS 480-521067/5	94	93	102	98

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

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D29292.D

Lab ID: LCS 480-520696/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	22.0	88	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.7	103	76-120	
1,1,2-Trichloroethane	25.0	25.4	102	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0	100	61-148	
1,1-Dichloroethane	25.0	23.6	94	77-120	
1,1-Dichloroethene	25.0	24.2	97	66-127	
1,2,4-Trichlorobenzene	25.0	25.8	103	79-122	
1,2-Dibromo-3-Chloropropane	25.0	22.5	90	56-134	
1,2-Dichlorobenzene	25.0	24.9	100	80-124	
1,2-Dichloroethane	25.0	19.5	78	75-120	
1,2-Dichloropropane	25.0	25.9	103	76-120	
1,3-Dichlorobenzene	25.0	24.7	99	77-120	
1,4-Dichlorobenzene	25.0	24.4	98	80-120	
2-Butanone (MEK)	125	102	82	57-140	
2-Hexanone	125	113	91	65-127	
4-Methyl-2-pentanone (MIBK)	125	112	89	71-125	
Acetone	125	97.3	78	56-142	
Benzene	25.0	25.2	101	71-124	
Bromodichloromethane	25.0	22.5	90	80-122	
Bromoform	25.0	22.5	90	61-132	
Bromomethane	25.0	21.6	86	55-144	
Carbon disulfide	25.0	24.1	97	59-134	
Carbon tetrachloride	25.0	21.7	87	72-134	
Chlorobenzene	25.0	24.9	99	80-120	
Dibromochloromethane	25.0	23.0	92	75-125	
Chloroethane	25.0	18.6	74	69-136	
Chloroform	25.0	22.0	88	73-127	
Chloromethane	25.0	19.7	79	68-124	
cis-1,2-Dichloroethene	25.0	24.2	97	74-124	
cis-1,3-Dichloropropene	25.0	24.7	99	74-124	
Cyclohexane	25.0	26.2	105	59-135	
Dichlorodifluoromethane	25.0	18.8	75	59-135	
Ethylbenzene	25.0	25.0	100	77-123	
1,2-Dibromoethane	25.0	24.0	96	77-120	
Isopropylbenzene	25.0	25.8	103	77-122	
Methyl acetate	50.0	43.5	87	74-133	
Methyl tert-butyl ether	25.0	22.1	88	77-120	
Methylcyclohexane	25.0	26.8	107	68-134	
Methylene Chloride	25.0	25.0	100	75-124	
Styrene	25.0	25.0	100	80-120	
Tetrachloroethene	25.0	25.2	101	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D29292.D

Lab ID: LCS 480-520696/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	25.8	103	80-122	
trans-1,2-Dichloroethene	25.0	24.4	97	73-127	
trans-1,3-Dichloropropene	25.0	24.6	98	80-120	
Trichloroethene	25.0	24.1	96	74-123	
Trichlorofluoromethane	25.0	20.4	82	62-150	
Vinyl chloride	25.0	21.4	86	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D29319.D

Lab ID: LCS 480-521067/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.0	96	73-126	
1,1,2,2-Tetrachloroethane	25.0	27.9	112	76-120	
1,1,2-Trichloroethane	25.0	26.3	105	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.6	115	61-148	
1,1-Dichloroethane	25.0	24.9	100	77-120	
1,1-Dichloroethene	25.0	26.7	107	66-127	
1,2,4-Trichlorobenzene	25.0	25.9	104	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.6	99	56-134	
1,2-Dichlorobenzene	25.0	25.7	103	80-124	
1,2-Dichloroethane	25.0	20.7	83	75-120	
1,2-Dichloropropane	25.0	26.7	107	76-120	
1,3-Dichlorobenzene	25.0	25.8	103	77-120	
1,4-Dichlorobenzene	25.0	25.3	101	80-120	
2-Butanone (MEK)	125	117	93	57-140	
2-Hexanone	125	126	100	65-127	
4-Methyl-2-pentanone (MIBK)	125	123	98	71-125	
Acetone	125	111	89	56-142	
Benzene	25.0	26.5	106	71-124	
Bromodichloromethane	25.0	23.7	95	80-122	
Bromoform	25.0	25.0	100	61-132	
Bromomethane	25.0	22.4	90	55-144	
Carbon disulfide	25.0	27.1	108	59-134	
Carbon tetrachloride	25.0	23.9	96	72-134	
Chlorobenzene	25.0	25.5	102	80-120	
Dibromochloromethane	25.0	23.9	96	75-125	
Chloroethane	25.0	19.9	80	69-136	
Chloroform	25.0	23.1	92	73-127	
Chloromethane	25.0	19.7	79	68-124	
cis-1,2-Dichloroethene	25.0	25.5	102	74-124	
cis-1,3-Dichloropropene	25.0	26.1	104	74-124	
Cyclohexane	25.0	30.2	121	59-135	
Dichlorodifluoromethane	25.0	20.2	81	59-135	
Ethylbenzene	25.0	26.2	105	77-123	
1,2-Dibromoethane	25.0	25.5	102	77-120	
Isopropylbenzene	25.0	27.2	109	77-122	
Methyl acetate	50.0	48.9	98	74-133	
Methyl tert-butyl ether	25.0	24.0	96	77-120	
Methylcyclohexane	25.0	30.9	123	68-134	
Methylene Chloride	25.0	26.2	105	75-124	
Styrene	25.0	26.1	104	80-120	
Tetrachloroethene	25.0	26.2	105	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D29319.D

Lab ID: LCS 480-521067/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	26.2	105	80-122	
trans-1,2-Dichloroethene	25.0	26.0	104	73-127	
trans-1,3-Dichloropropene	25.0	25.5	102	80-120	
Trichloroethene	25.0	25.3	101	74-123	
Trichlorofluoromethane	25.0	23.5	94	62-150	
Vinyl chloride	25.0	23.2	93	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab File ID: D29294.D Lab Sample ID: MB 480-520696/7

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

Instrument ID: HP5975D Date Analyzed: 03/10/2020 11:06

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-520696/5	D29292.D	03/10/2020 10:19
RW-1	480-167088-1	D29302.D	03/10/2020 14:21
RW-3	480-167088-3	D29304.D	03/10/2020 15:08
DUP	480-167088-4	D29305.D	03/10/2020 15:31
EFFLUENT	480-167088-5	D29306.D	03/10/2020 15:55
TRIP BLANK	480-167088-6	D29307.D	03/10/2020 16:18

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab File ID: D29321.D Lab Sample ID: MB 480-521067/7

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

Instrument ID: HP5975D Date Analyzed: 03/12/2020 00:51

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-521067/5	D29319.D	03/12/2020 00:05
RW-2	480-167088-2	D29322.D	03/12/2020 01:21

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab File ID: D2180.D BFB Injection Date: 01/20/2020

Instrument ID: HP5975D BFB Injection Time: 13:36

Analysis Batch No.: 514167

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.8	
75	30.0 - 60.0 % of mass 95	46.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	50.0 - 120.00 % of mass 95	88.1	
175	5.0 - 9.0 % of mass 174	6.7	(7.6) 1
176	95.0 - 101.0 % of mass 174	86.7	(98.4) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-514167/7	D2183.D	01/20/2020	14:46
	IC 480-514167/8	D2184.D	01/20/2020	15:08
	IC 480-514167/9	D2185.D	01/20/2020	15:31
	IC 480-514167/10	D2186.D	01/20/2020	15:55
	IC 480-514167/11	D2187.D	01/20/2020	16:18
	ICIS 480-514167/12	D2188.D	01/20/2020	16:41
	IC 480-514167/13	D2189.D	01/20/2020	17:04
	IC 480-514167/14	D2190.D	01/20/2020	17:27
	ICV 480-514167/28	D2204.D	01/20/2020	22:49

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab File ID: D29289.D BFB Injection Date: 03/10/2020

Instrument ID: HP5975D BFB Injection Time: 09:09

Analysis Batch No.: 520696

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.3	
75	30.0 - 60.0 % of mass 95	43.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	88.1	
175	5.0 - 9.0 % of mass 174	7.0	(8.0) 1
176	95.0 - 101.0 % of mass 174	88.4	(100.3) 1
177	5.0 - 9.0 % of mass 176	5.7	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-520696/3	D29290.D	03/10/2020	09:33
	LCS 480-520696/5	D29292.D	03/10/2020	10:19
	MB 480-520696/7	D29294.D	03/10/2020	11:06
RW-1	480-167088-1	D29302.D	03/10/2020	14:21
RW-3	480-167088-3	D29304.D	03/10/2020	15:08
DUP	480-167088-4	D29305.D	03/10/2020	15:31
EFFLUENT	480-167088-5	D29306.D	03/10/2020	15:55
TRIP BLANK	480-167088-6	D29307.D	03/10/2020	16:18

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab File ID: D29316.D BFB Injection Date: 03/11/2020

Instrument ID: HP5975D BFB Injection Time: 21:23

Analysis Batch No.: 521067

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.8	
75	30.0 - 60.0 % of mass 95	42.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	92.3	
175	5.0 - 9.0 % of mass 174	6.9	(7.4) 1
176	95.0 - 101.0 % of mass 174	89.6	(97.1) 1
177	5.0 - 9.0 % of mass 176	5.7	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-521067/3	D29317.D	03/11/2020	23:16
	LCS 480-521067/5	D29319.D	03/12/2020	00:05
	MB 480-521067/7	D29321.D	03/12/2020	00:51
RW-2	480-167088-2	D29322.D	03/12/2020	01:21

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Sample No.: ICIS 480-514167/12 Date Analyzed: 01/20/2020 16:41

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

Lab File ID (Standard): D2188.D Heated Purge: (Y/N) N

Calibration ID: 38513

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		148766	5.50	323143	7.89	358318	9.82
UPPER LIMIT		297532	6.00	646286	8.39	716636	10.32
LOWER LIMIT		74383	5.00	161572	7.39	179159	9.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-514167/28		148952	5.50	320243	7.89	362167	9.81
CCVIS 480-520696/3		133494	5.52	288842	7.91	310715	9.84
CCVIS 480-521067/3		132307	5.51	281760	7.90	308965	9.82

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Sample No.: CCVIS 480-520696/3 Date Analyzed: 03/10/2020 09:33

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

Lab File ID (Standard): D29290.D Heated Purge: (Y/N) N

Calibration ID: 38516

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		133494	5.52	288842	7.91	310715	9.84
UPPER LIMIT		266988	6.02	577684	8.41	621430	10.34
LOWER LIMIT		66747	5.02	144421	7.41	155358	9.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-520696/5		134710	5.53	277179	7.91	300958	9.84
MB 480-520696/7		135998	5.52	297308	7.91	324430	9.84
480-167088-1	RW-1	132245	5.52	293726	7.90	319878	9.84
480-167088-3	RW-3	136000	5.52	295264	7.90	320440	9.83
480-167088-4	DUP	134174	5.52	291539	7.90	319965	9.83
480-167088-5	EFFLUENT	134538	5.52	288299	7.90	319357	9.83
480-167088-6	TRIP BLANK	133355	5.52	289774	7.90	318494	9.83

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Sample No.: CCVIS 480-521067/3 Date Analyzed: 03/11/2020 23:16

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

Lab File ID (Standard): D29317.D Heated Purge: (Y/N) N

Calibration ID: 38516

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		132307	5.51	281760	7.90	308965	9.82
UPPER LIMIT		264614	6.01	563520	8.40	617930	10.32
LOWER LIMIT		66154	5.01	140880	7.40	154483	9.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-521067/5		130969	5.51	284853	7.90	309401	9.82
MB 480-521067/7		134800	5.51	297424	7.90	325020	9.82
480-167088-2	RW-2	133846	5.51	300029	7.90	324822	9.82

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: RW-1 Lab Sample ID: 480-167088-1

Matrix: Water Lab File ID: D29302.D

Analysis Method: 8260C Date Collected: 03/05/2020 12:30

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 14:21

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	94		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	200		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	0.71	J	2.0	0.70
156-59-2	cis-1,2-Dichloroethene	27		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: RW-1 Lab Sample ID: 480-167088-1

Matrix: Water Lab File ID: D29302.D

Analysis Method: 8260C Date Collected: 03/05/2020 12:30

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 14:21

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	1.4	J	2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	0.95	J	2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	7.1		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	19		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29302.D
Lims ID: 480-167088-A-1
Client ID: RW-1
Sample Type: Client
Inject. Date: 10-Mar-2020 14:21:30 ALS Bottle#: 15 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 480-167088-A-1
Misc. Info.: 480-0088726-017
Operator ID: OI Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Mar-2020 15:36:19 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: HillL Date: 11-Mar-2020 15:36:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.519	5.525	-0.006	99	132245	25.0	
* 2 Chlorobenzene-d5	82	7.903	7.909	-0.006	85	293726	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.835	0.001	94	319878	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.032	5.038	-0.006	93	202880	23.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.300	5.300	0.000	98	108163	23.9	
$ 5 Toluene-d8 (Surr)	98	6.733	6.728	-0.006	93	685101	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.866	8.852	0.000	93	240092	24.3	
10 Dichlorodifluoromethane	85		1.508				ND	
12 Chloromethane	50	1.727	1.734	-0.007	92	4193	0.3570	
13 Vinyl chloride	62	1.849	1.849	0.000	98	89815	9.40	
14 Bromomethane	94		2.215				ND	U
15 Chloroethane	64		2.307				ND	U
17 Trichlorofluoromethane	101		2.557				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.063				ND	
22 1,1-Dichloroethene	96		3.075				ND	
23 Acetone	43	3.172	3.172	0.000	100	245828	100.1	
26 Carbon disulfide	76		3.282				ND	
27 Methyl acetate	43		3.453				ND	
30 Methylene Chloride	84	3.556	3.556	0.000	95	6869	0.2162	
32 Methyl tert-butyl ether	73	3.745	3.745	0.000	97	13664	0.7065	
34 trans-1,2-Dichloroethene	96	3.764	3.764	0.000	96	3927	0.5195	
39 1,1-Dichloroethane	63		4.148				ND	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.000	81	114096	13.4	
43 2-Butanone (MEK)	43	4.660	4.660	0.000	100	165161	46.8	
50 Chloroform	83		4.898				ND	
51 1,1,1-Trichloroethane	97		5.001				ND	
52 Cyclohexane	56		5.013				ND	
55 Carbon tetrachloride	117		5.123				ND	
57 Benzene	78		5.306				ND	
58 1,2-Dichloroethane	62		5.361				ND	
62 Trichloroethene	95	5.800	5.800	0.000	97	29319	3.57	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.897				ND	
65 1,2-Dichloropropane	63		6.001				ND	
68 Dichlorobromomethane	83		6.227				ND	
72 cis-1,3-Dichloropropene	75		6.556				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.653				ND	
74 Toluene	92		6.787				ND	
77 trans-1,3-Dichloropropene	75		6.995				ND	
79 1,1,2-Trichloroethane	83		7.153				ND	
81 Tetrachloroethene	166	7.214	7.203	0.000	94	4223	0.4731	
80 2-Hexanone	43		7.306				ND	
83 Chlorodibromomethane	129		7.476				ND	
84 Ethylene Dibromide	107		7.574				ND	
87 Chlorobenzene	112		7.934				ND	
88 Ethylbenzene	91		7.982				ND	
90 m-Xylene & p-Xylene	106		8.074				ND	
91 o-Xylene	106		8.409				ND	
92 Styrene	104		8.427				ND	
95 Bromoform	173		8.647				ND	
94 Isopropylbenzene	105		8.689				ND	
97 1,1,2,2-Tetrachloroethane	83		9.013				ND	
111 1,3-Dichlorobenzene	146		9.781				ND	
113 1,4-Dichlorobenzene	146		9.854				ND	
116 1,2-Dichlorobenzene	146		10.183				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.872				ND	
119 1,2,4-Trichlorobenzene	180		11.506				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00010 Amount Added: 1.00 Units: uL Run Reagent

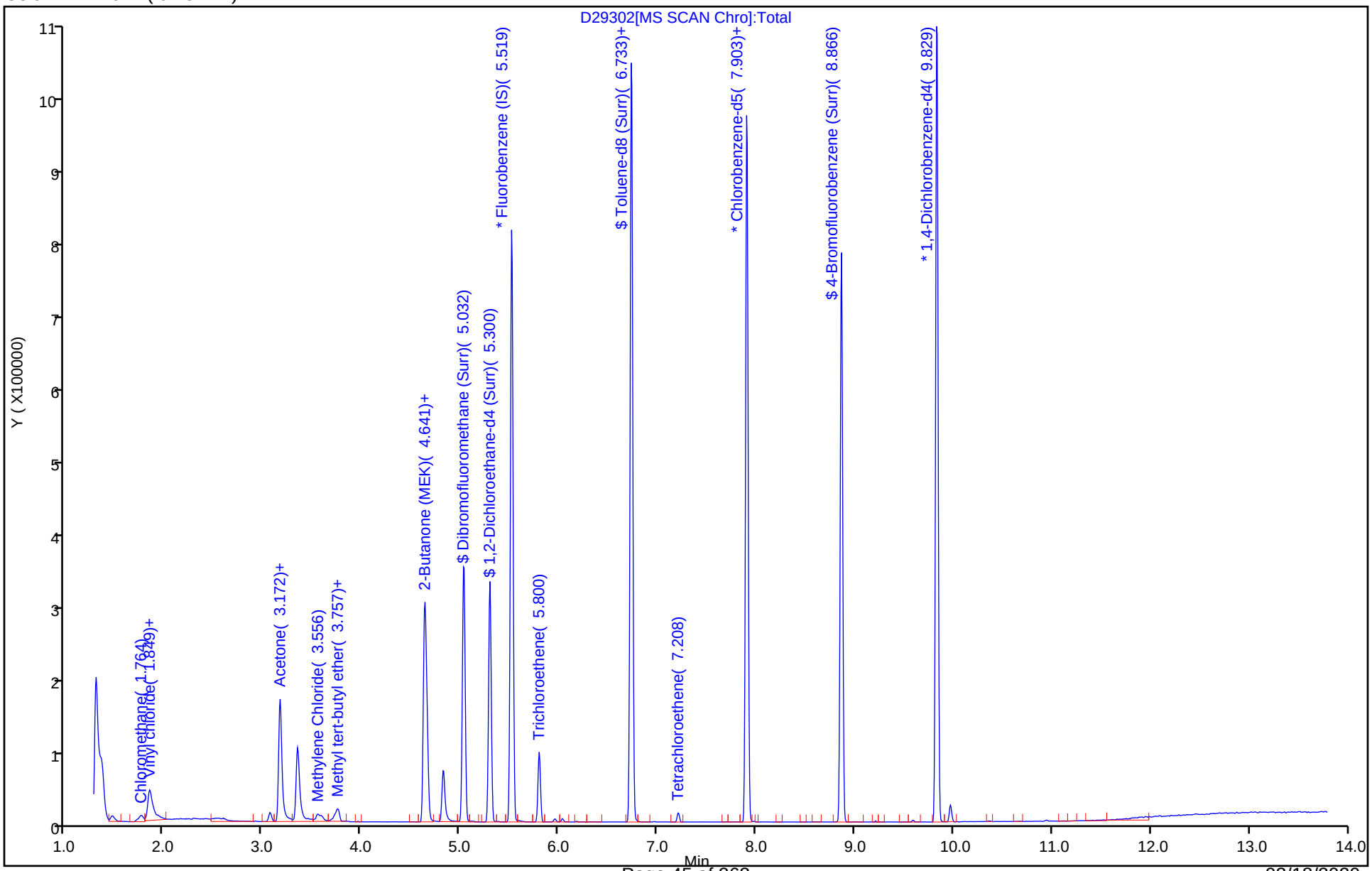
Report Date: 11-Mar-2020 15:36:19 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29302.D

Injection Date:	10-Mar-2020 14:21:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-167088-A-1	Lab Sample ID:	480-167088-1	Worklist Smp#:	17
Client ID:	RW-1				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	15
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29302.D				
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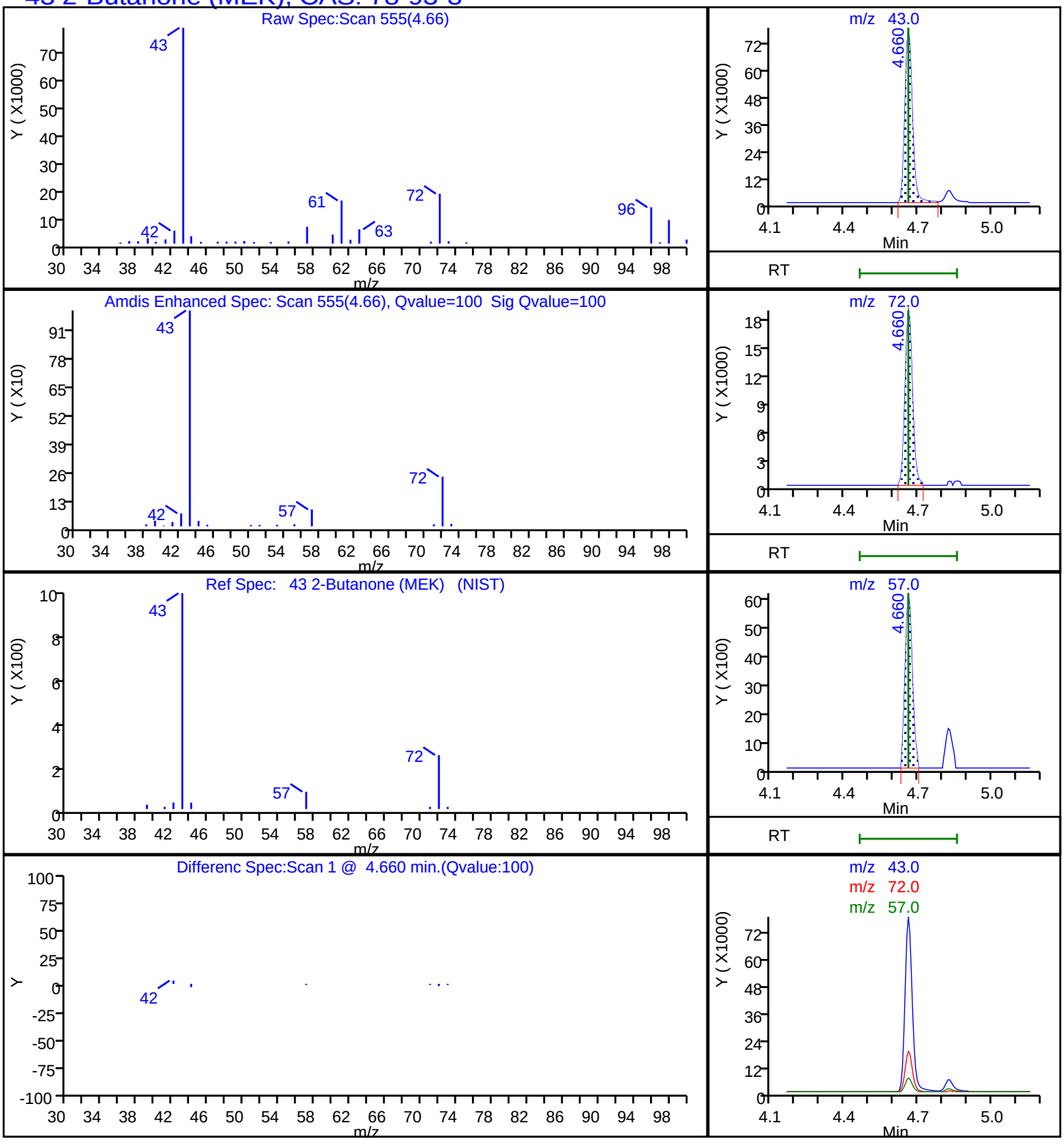
Lims ID:	480-167088-A-1	Lab Sample ID:	480-167088-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

43 2-Butanone (MEK), CAS: 78-93-3

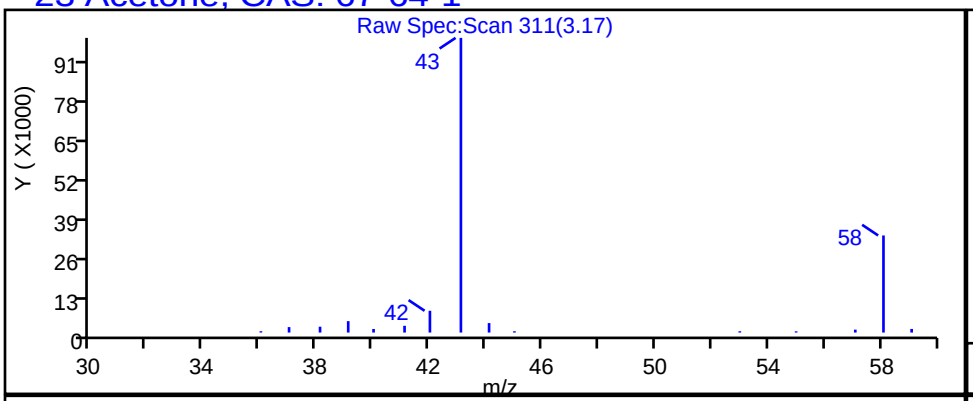


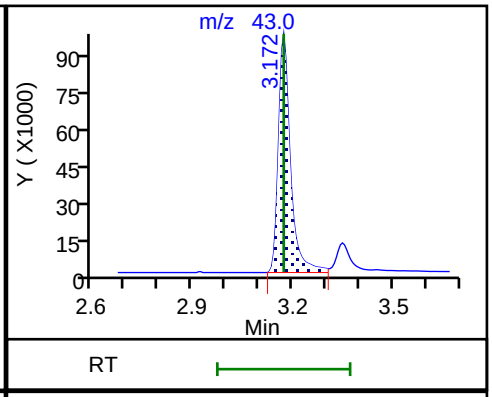
Eurofins TestAmerica, Buffalo

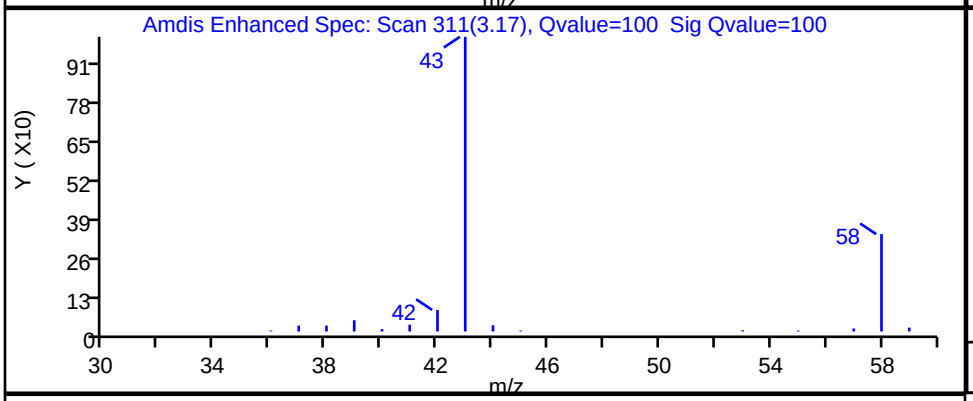
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29302.D

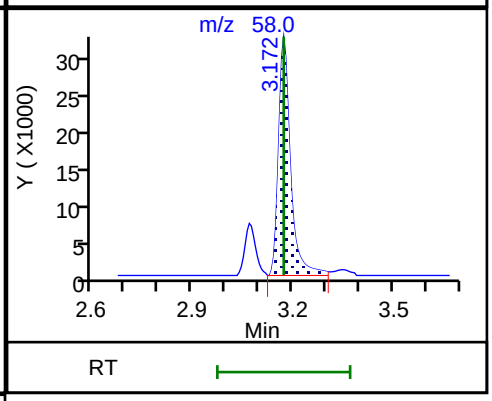
Injection Date:	10-Mar-2020 14:21:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-1	Lab Sample ID:	480-167088-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

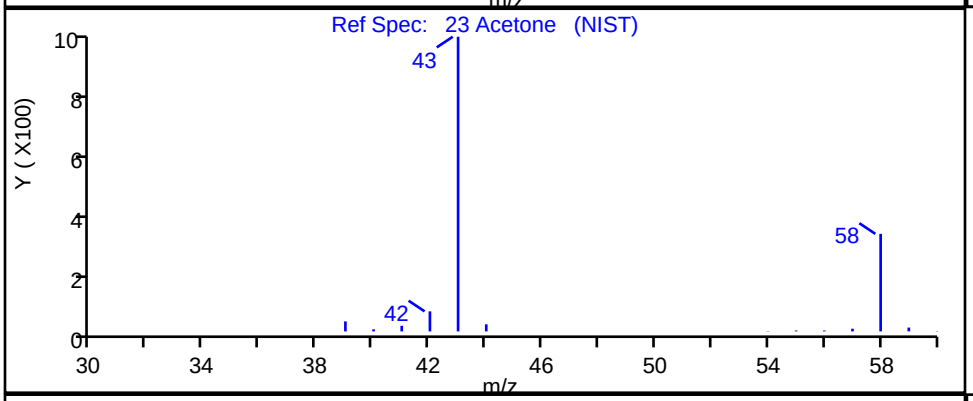
23 Acetone, CAS: 67-64-1

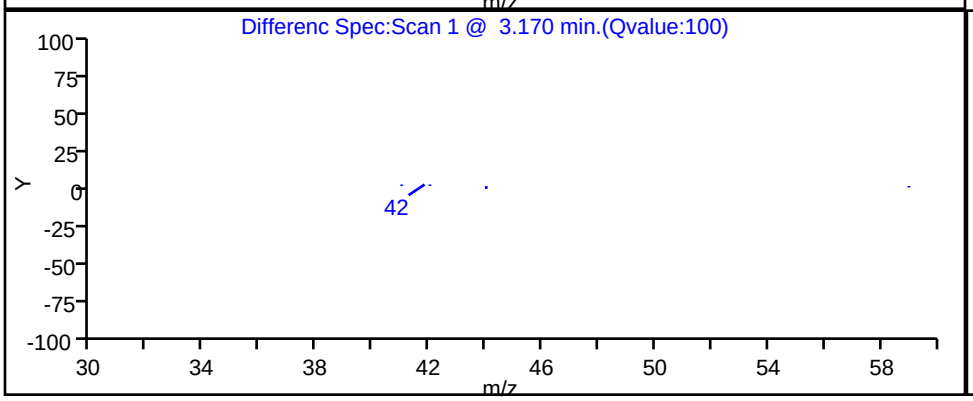


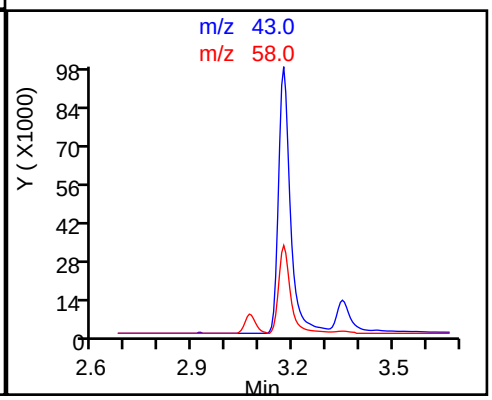








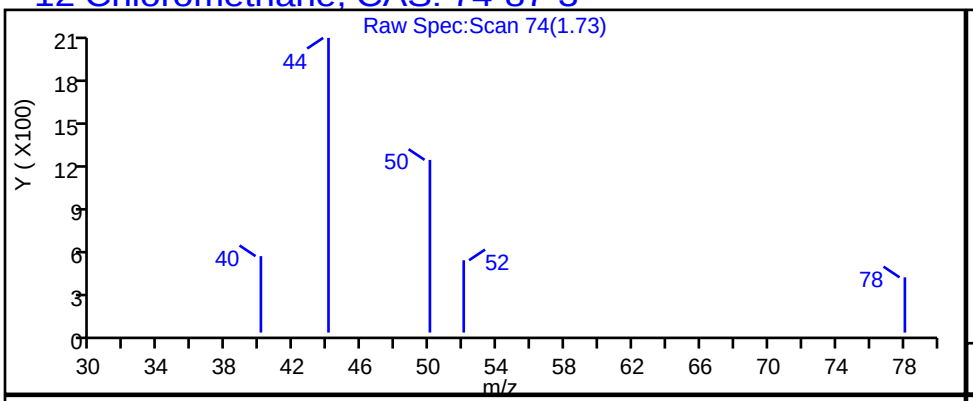


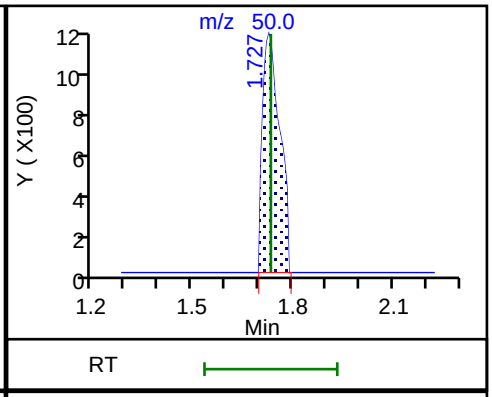


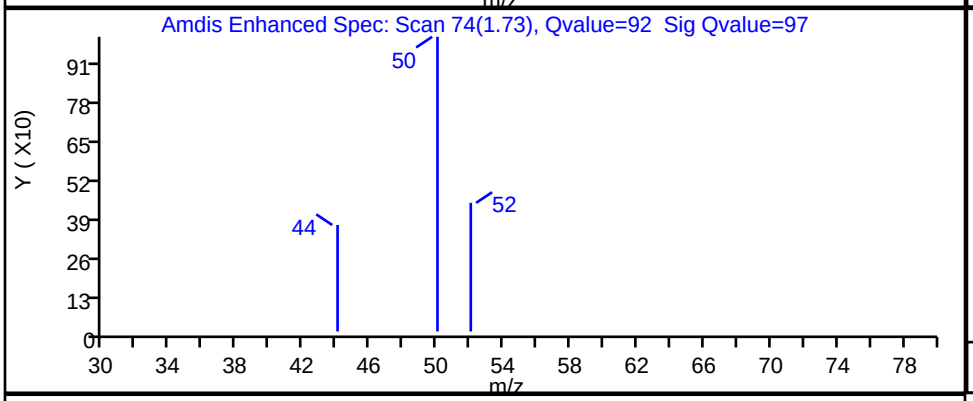
Eurofins TestAmerica, Buffalo

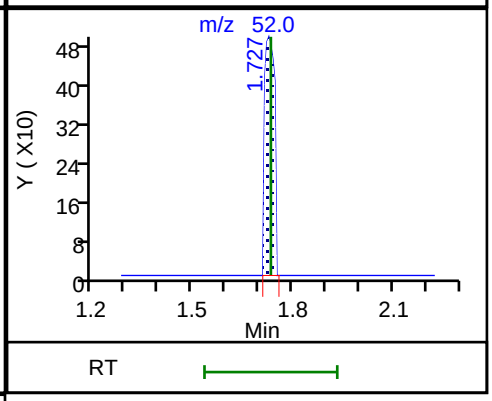
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29302.D
Injection Date: 10-Mar-2020 14:21:30 Instrument ID: HP5975D
Lims ID: 480-167088-A-1 Lab Sample ID: 480-167088-1
Client ID: RW-1
Operator ID: OI ALS Bottle#: 15 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

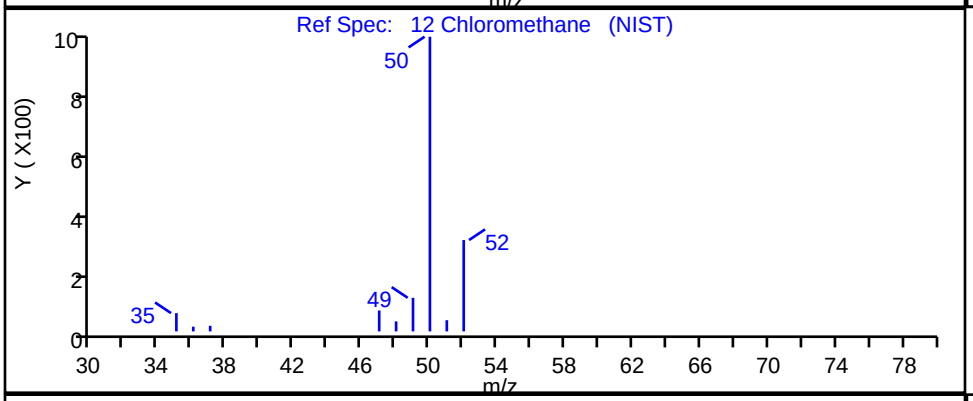
12 Chloromethane, CAS: 74-87-3

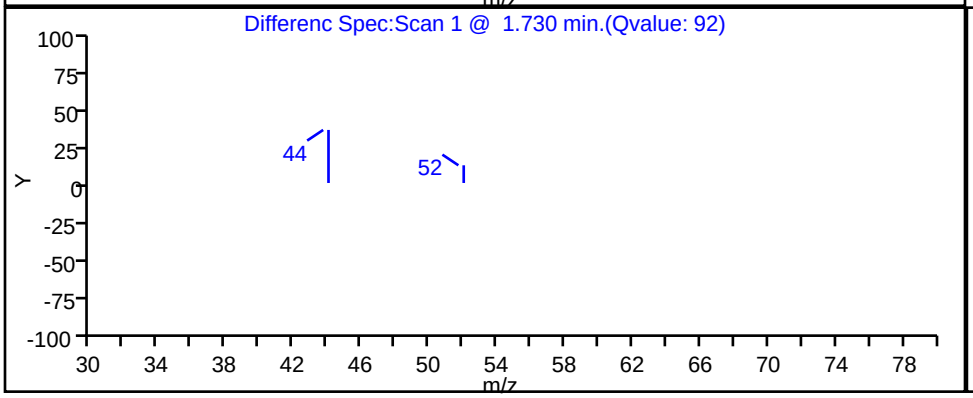


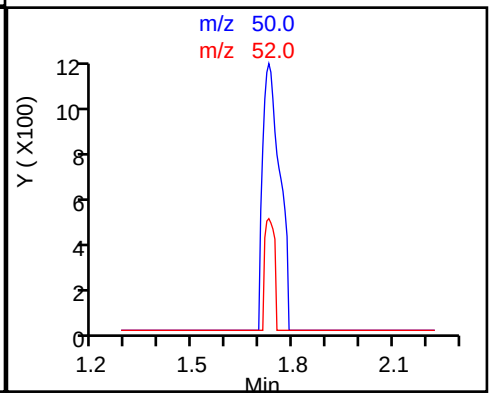












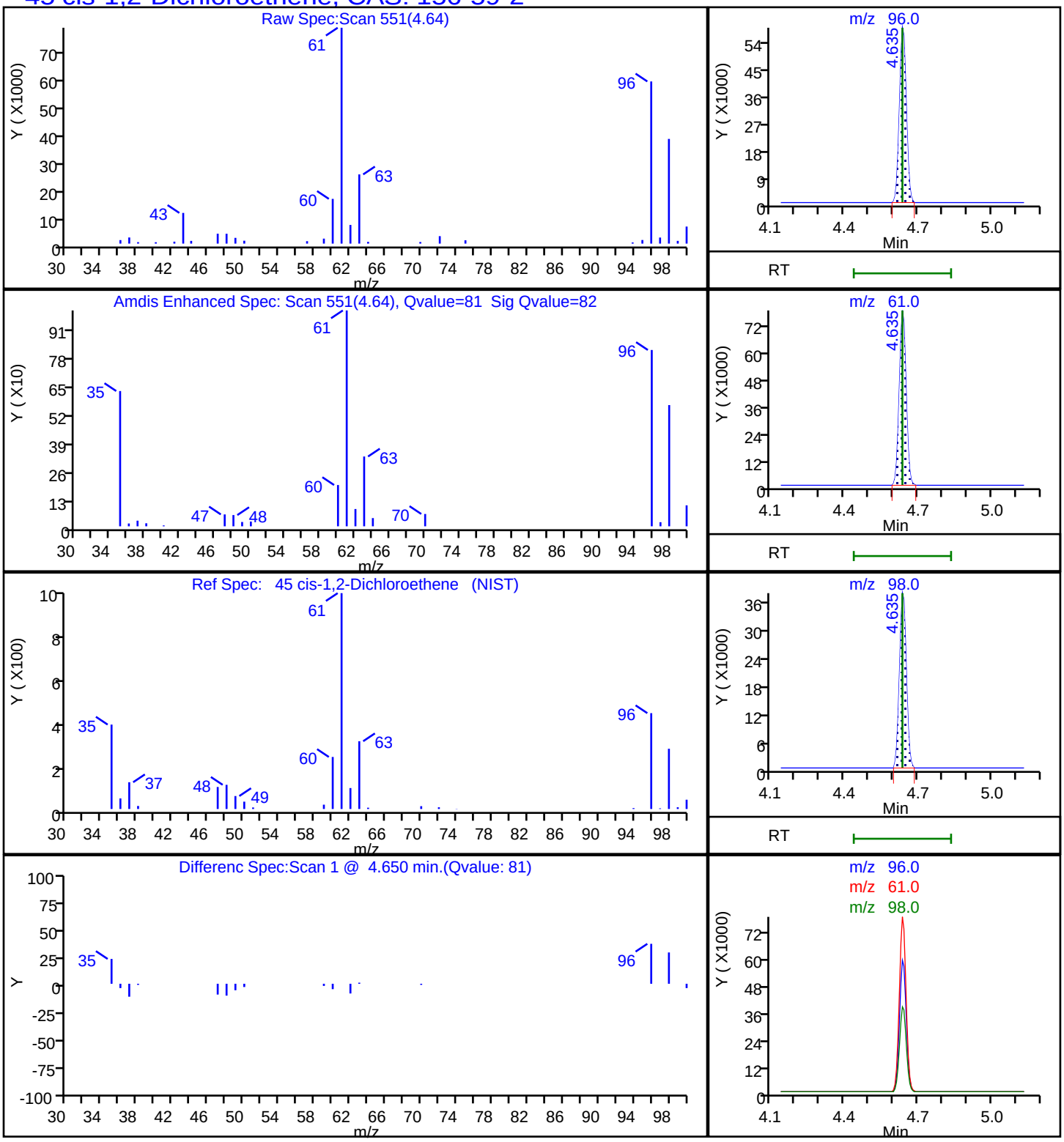
Report Date: 11-Mar-2020 15:36:19 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29302.D

Injection Date:	10-Mar-2020 14:21:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-1	Lab Sample ID:	480-167088-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

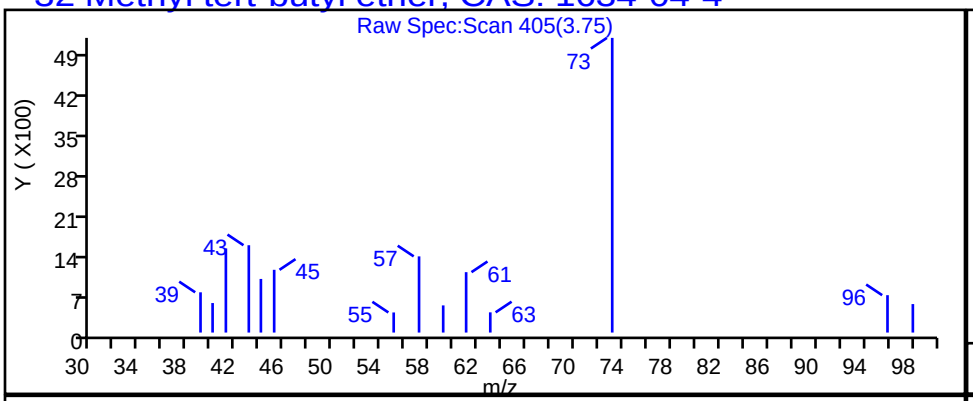
45 cis-1,2-Dichloroethene, CAS: 156-59-2

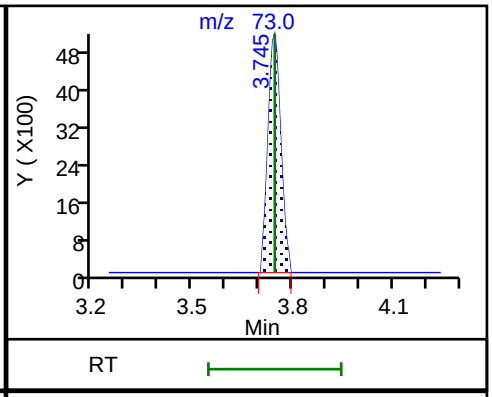


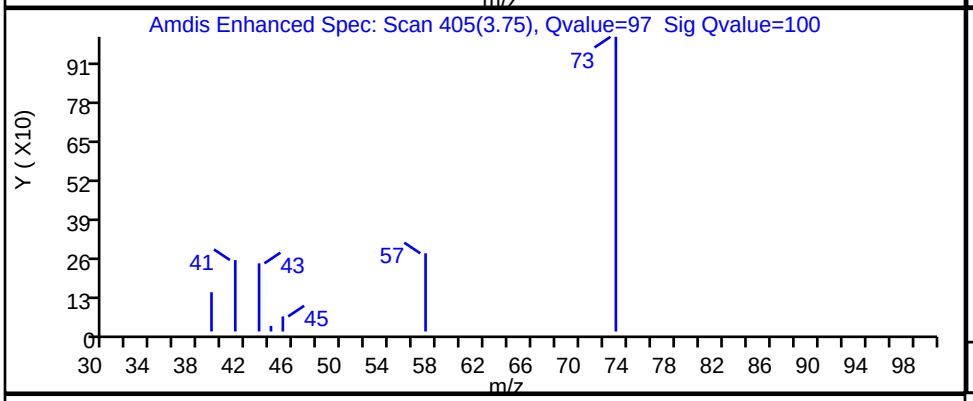
Eurofins TestAmerica, Buffalo

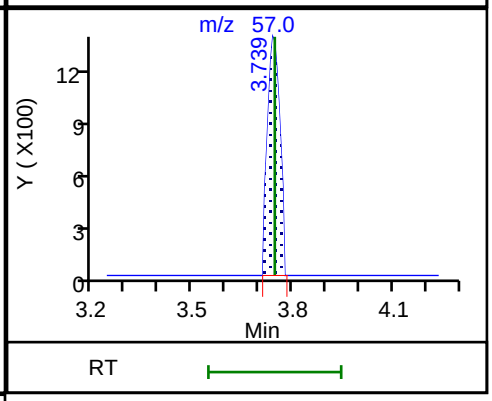
Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29302.D				
Injection Date:	10-Mar-2020 14:21:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-1	Lab Sample ID:	480-167088-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

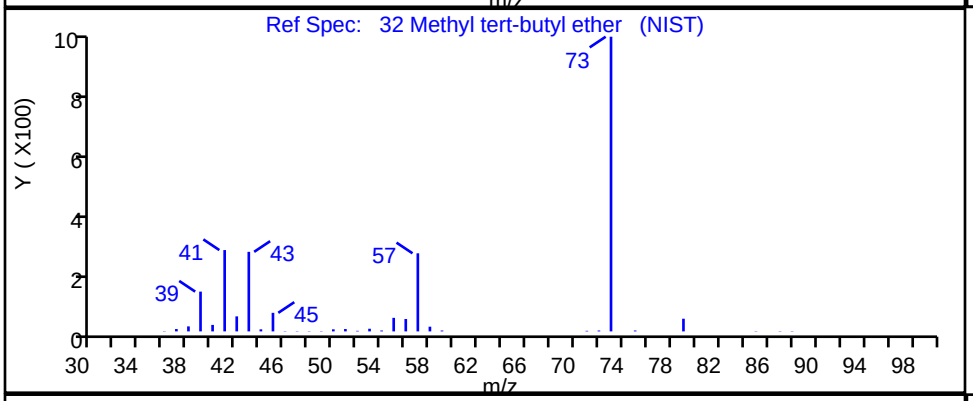
32 Methyl tert-butyl ether, CAS: 1634-04-4

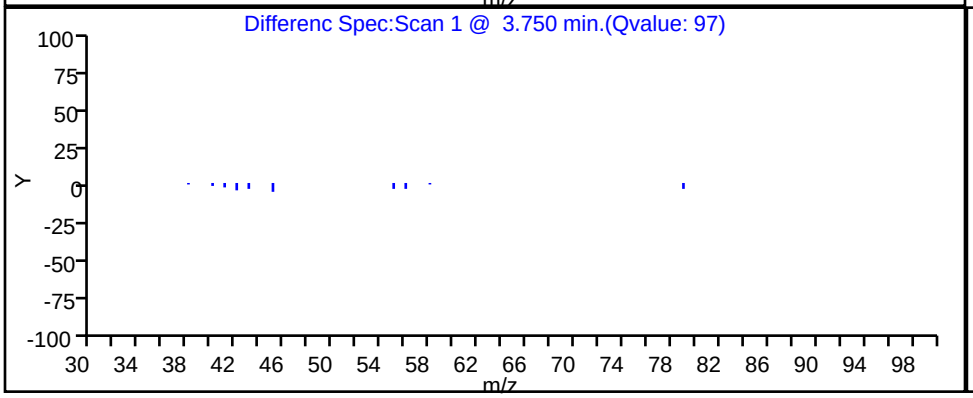


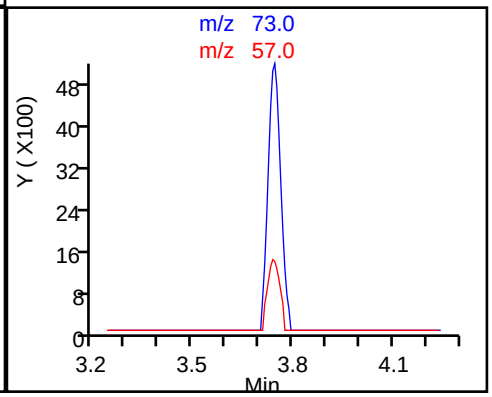












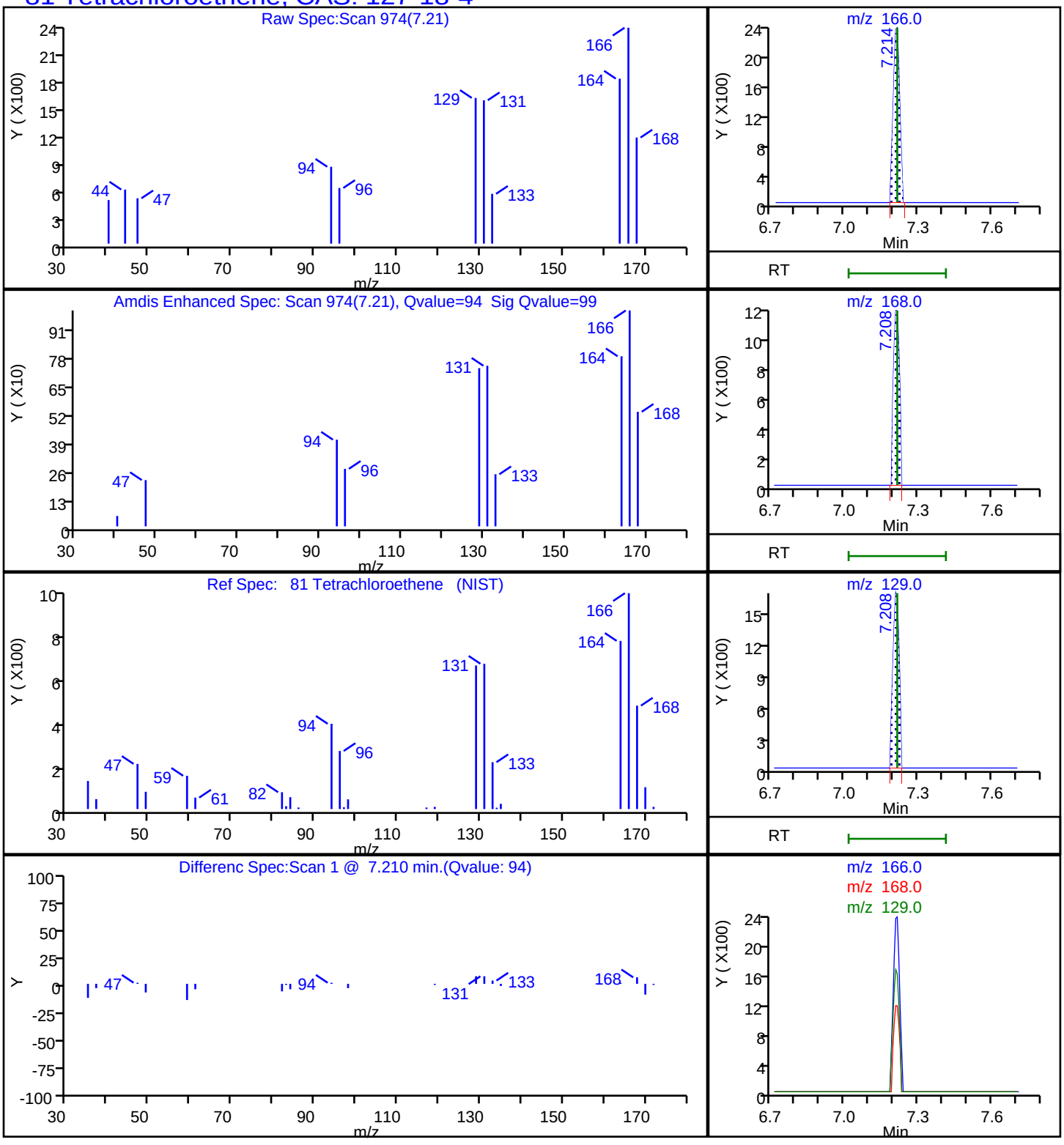
Report Date: 11-Mar-2020 15:36:19 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29302.D

Injection Date:	10-Mar-2020 14:21:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-1	Lab Sample ID:	480-167088-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4



Report Date: 11-Mar-2020 15:36:19 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29302.D

Injection Date: 10-Mar-2020 14:21:30 Instrument ID: HP5975D

Lims ID: 480-167088-A-1 Lab Sample ID: 480-167088-1

Client ID: RW-1

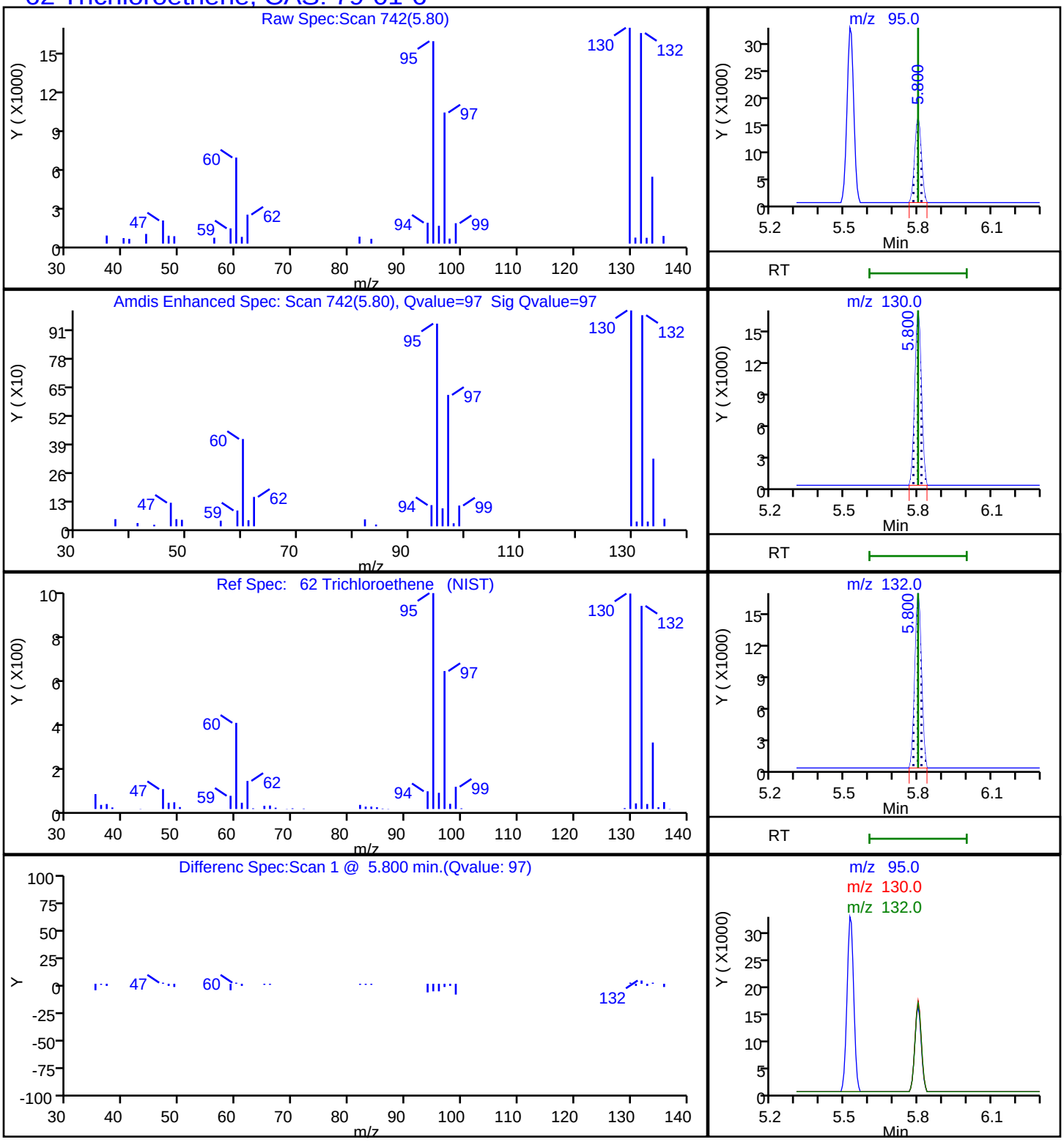
Operator ID: OI ALS Bottle#: 15 Worklist Smp#: 17

Purge Vol: 5.000 mL Dil. Factor: 2.0000

Method: D-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm) Detector MS SCAN

62 Trichloroethene, CAS: 79-01-6

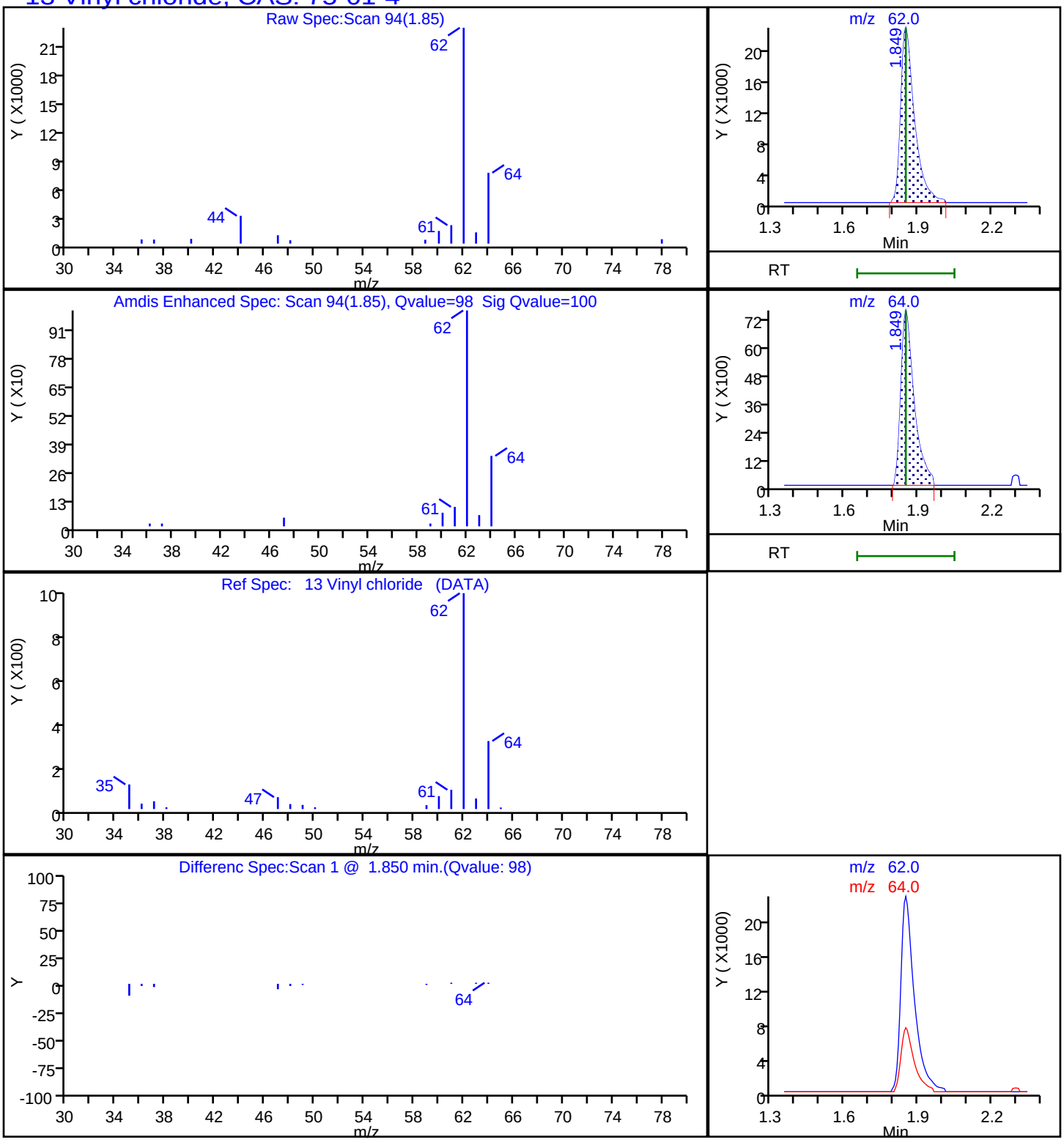


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29302.D

Injection Date:	10-Mar-2020 14:21:30	Instrument ID:	HP5975D
Lims ID:	480-167088-A-1	Lab Sample ID:	480-167088-1
Client ID:	RW-1		
Operator ID:	OI	ALS Bottle#:	15 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

13 Vinyl chloride, CAS: 75-01-4



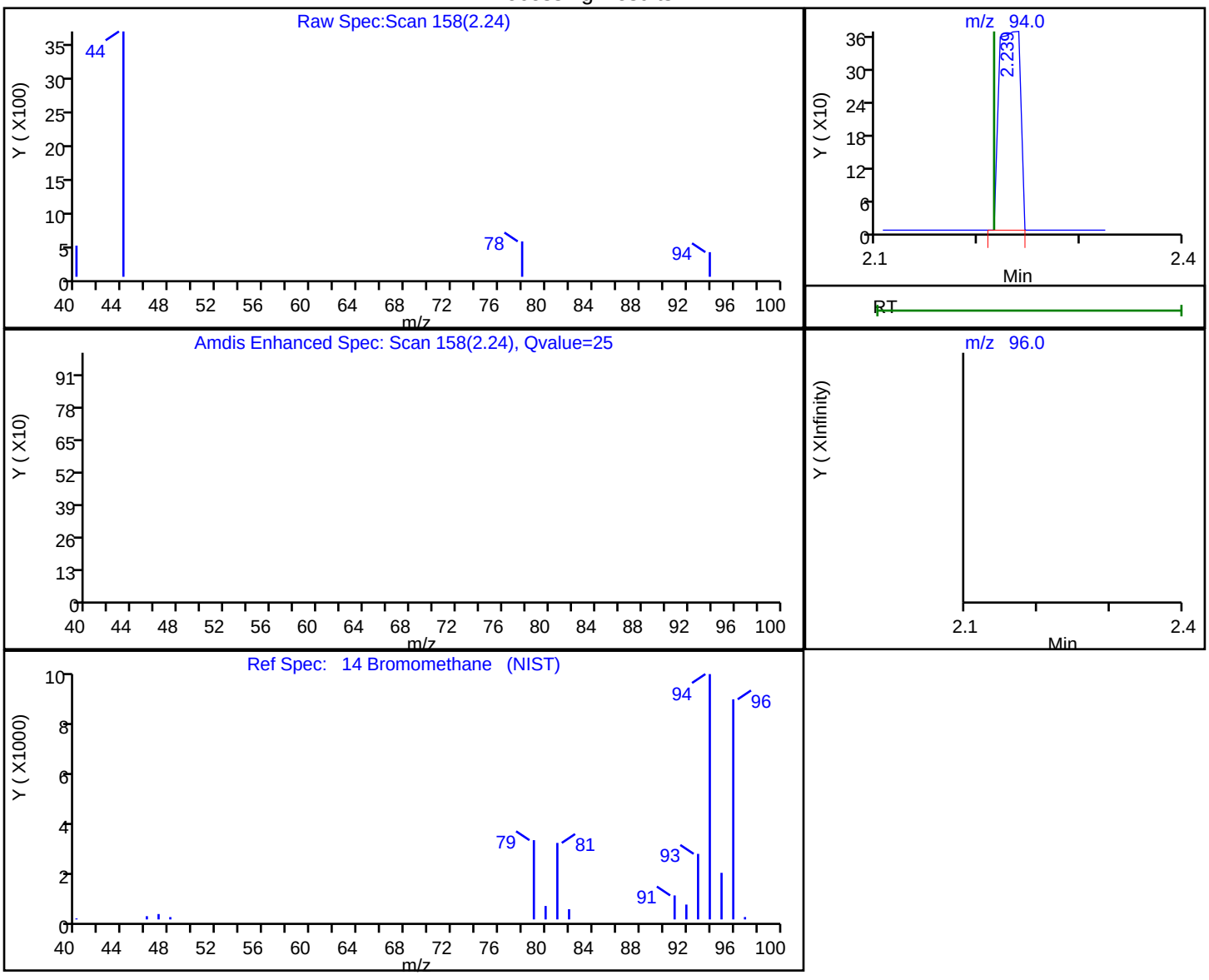
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29302.D				
Injection Date:	10-Mar-2020 14:21:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-1	Lab Sample ID:	480-167088-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.24	94.00	523	0.076303
2.22	96.00	0	

Reviewer: HillL, 11-Mar-2020 15:36:00

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

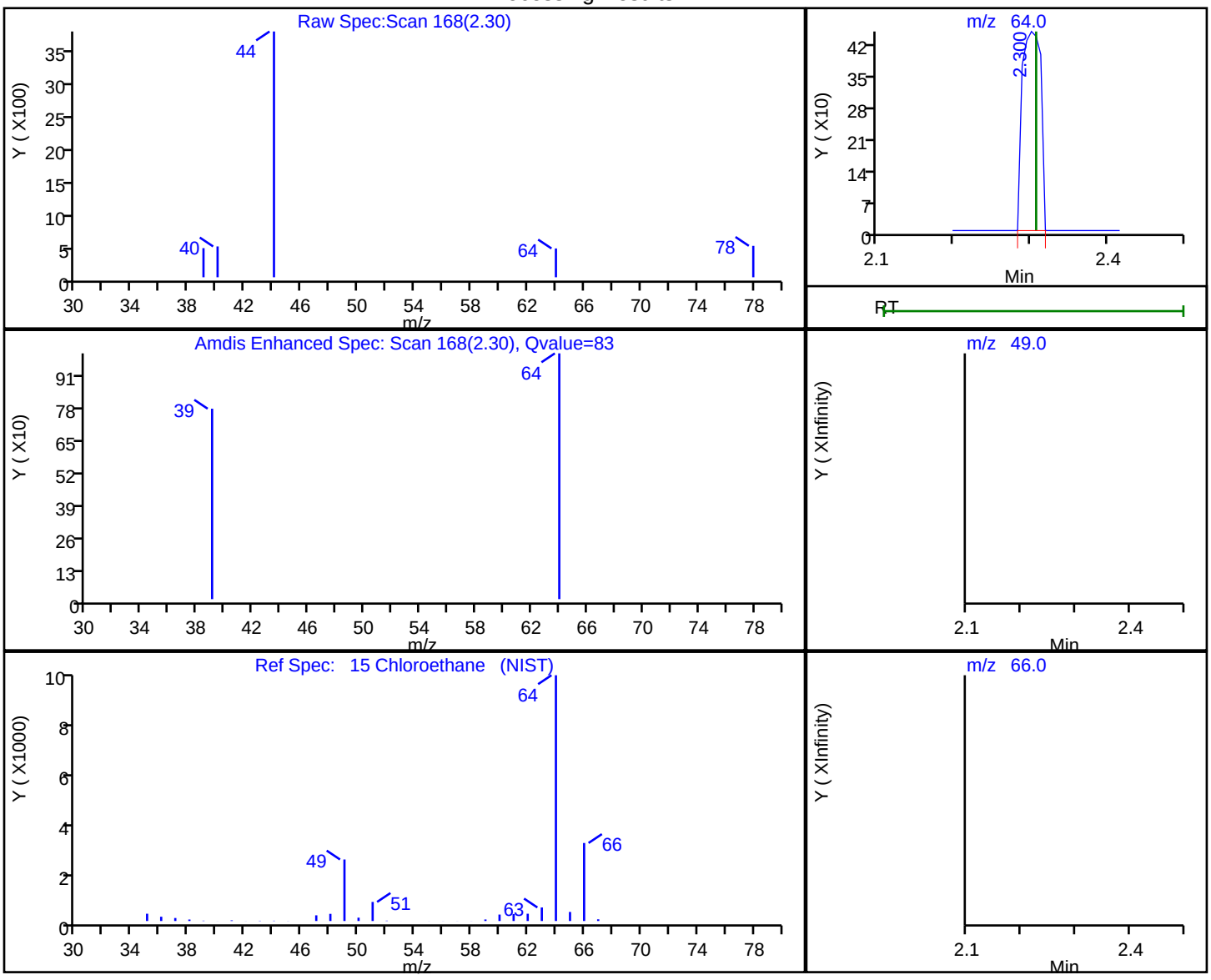
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29302.D				
Injection Date:	10-Mar-2020 14:21:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-1	Lab Sample ID:	480-167088-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	15	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

15 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.30	64.00	751	0.132257
2.31	49.00	0	
2.31	66.00	0	

Reviewer: HillL, 11-Mar-2020 15:36:04

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: RW-2 Lab Sample ID: 480-167088-2

Matrix: Water Lab File ID: D29322.D

Analysis Method: 8260C Date Collected: 03/05/2020 12:35

Sample wt/vol: 5(mL) Date Analyzed: 03/12/2020 01:21

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 521067 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	14		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: RW-2 Lab Sample ID: 480-167088-2

Matrix: Water Lab File ID: D29322.D

Analysis Method: 8260C Date Collected: 03/05/2020 12:35

Sample wt/vol: 5(mL) Date Analyzed: 03/12/2020 01:21

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 521067 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	76		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	3.7		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29322.D
Lims ID: 480-167088-B-2
Client ID: RW-2
Sample Type: Client
Inject. Date: 12-Mar-2020 01:21:30 ALS Bottle#: 1 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 480-167088-B-2
Misc. Info.: 480-0088780-008
Operator ID: CDC Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Mar-2020 07:13:40 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: lapointec Date: 12-Mar-2020 07:13:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.513	5.513	0.000	99	133846	25.0	
* 2 Chlorobenzene-d5	82	7.897	7.897	0.000	85	300029	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.823	9.823	0.000	94	324822	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.025	5.025	0.000	93	203162	23.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.294	5.294	0.000	98	104638	22.8	
$ 5 Toluene-d8 (Surr)	98	6.726	6.726	0.000	93	701453	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.860	8.860	0.000	94	242832	24.0	
10 Dichlorodifluoromethane	85		1.508				ND	
12 Chloromethane	50		1.733				ND	
13 Vinyl chloride	62		1.855				ND	U
14 Bromomethane	94		2.215				ND	U
15 Chloroethane	64		2.313				ND	
17 Trichlorofluoromethane	101		2.550				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.069				ND	
22 1,1-Dichloroethene	96		3.075				ND	
23 Acetone	43		3.166				ND	
26 Carbon disulfide	76		3.276				ND	
27 Methyl acetate	43		3.447				ND	
30 Methylene Chloride	84		3.550				ND	
32 Methyl tert-butyl ether	73		3.733				ND	
34 trans-1,2-Dichloroethene	96		3.757				ND	
39 1,1-Dichloroethane	63		4.142				ND	
45 cis-1,2-Dichloroethene	96	4.629	4.629	0.000	80	60650	7.04	
43 2-Butanone (MEK)	43		4.654				ND	
50 Chloroform	83	4.891	4.891	0.000	90	4886	0.3275	
51 1,1,1-Trichloroethane	97		4.995				ND	
52 Cyclohexane	56		5.001				ND	
55 Carbon tetrachloride	117		5.111				ND	
57 Benzene	78		5.300				ND	
58 1,2-Dichloroethane	62		5.355				ND	
62 Trichloroethene	95	5.794	5.794	0.000	97	15420	1.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.891				ND	
65 1,2-Dichloropropane	63		5.995				ND	
68 Dichlorobromomethane	83		6.220				ND	
72 cis-1,3-Dichloropropene	75		6.550				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.647				ND	
74 Toluene	92		6.781				ND	
77 trans-1,3-Dichloropropene	75		6.989				ND	
79 1,1,2-Trichloroethane	83		7.147				ND	U
81 Tetrachloroethene	166	7.202	7.202	0.000	97	346632	38.0	
80 2-Hexanone	43		7.299				ND	
83 Chlorodibromomethane	129		7.470				ND	
84 Ethylene Dibromide	107		7.568				ND	
87 Chlorobenzene	112		7.921				ND	
88 Ethylbenzene	91		7.976				ND	
90 m-Xylene & p-Xylene	106		8.061				ND	
91 o-Xylene	106		8.397				ND	
92 Styrene	104		8.421				ND	
95 Bromoform	173		8.641				ND	
94 Isopropylbenzene	105		8.683				ND	
97 1,1,2,2-Tetrachloroethane	83		9.000				ND	
111 1,3-Dichlorobenzene	146		9.768				ND	
113 1,4-Dichlorobenzene	146		9.848				ND	
116 1,2-Dichlorobenzene	146		10.177				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.866				ND	
119 1,2,4-Trichlorobenzene	180		11.500				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00010 Amount Added: 1.00 Units: uL Run Reagent

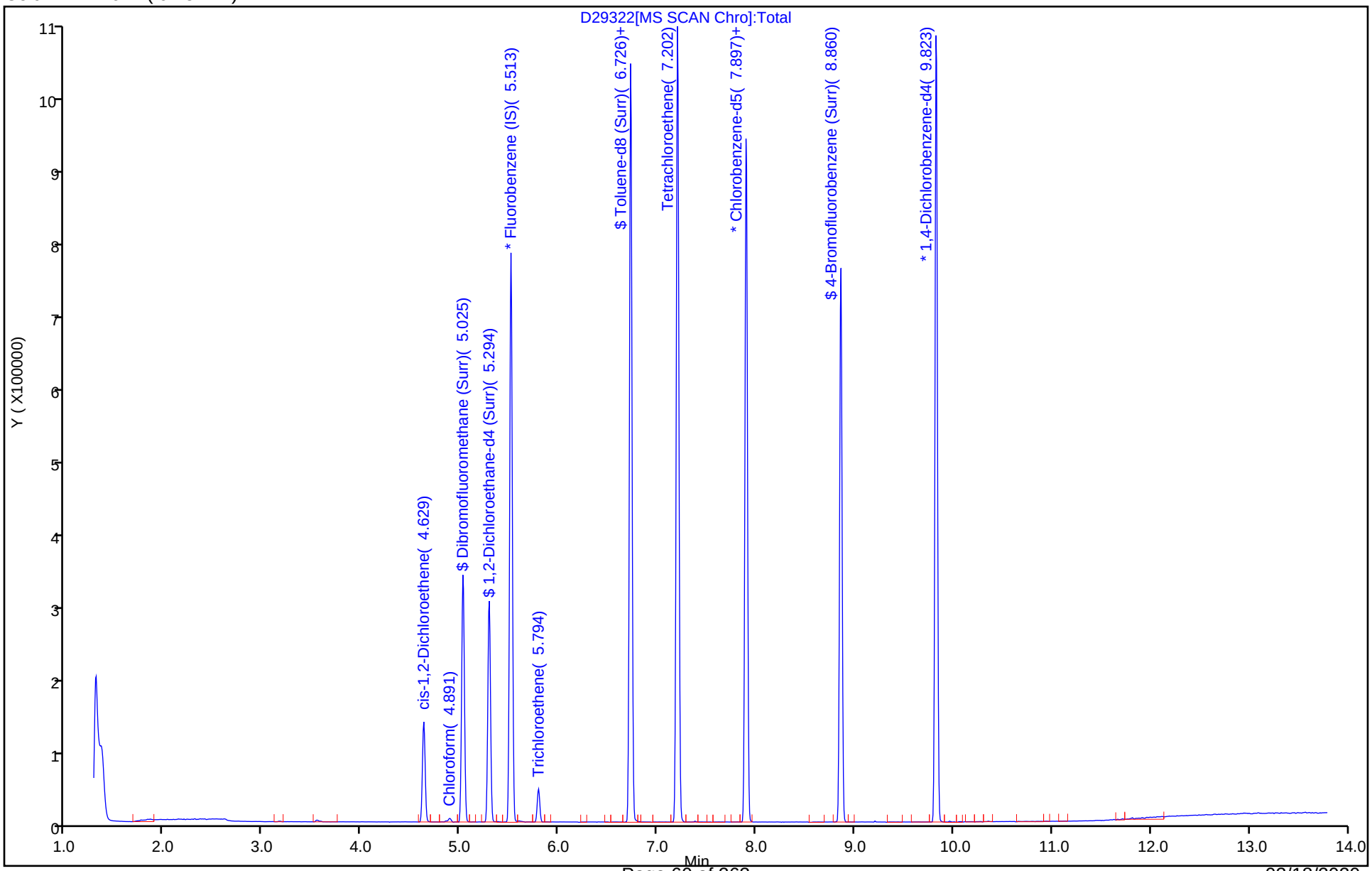
Report Date: 12-Mar-2020 07:13:41 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29322.D

Injection Date:	12-Mar-2020 01:21:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	480-167088-B-2	Lab Sample ID:	480-167088-2	Worklist Smp#:	8
Client ID:	RW-2				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	1
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



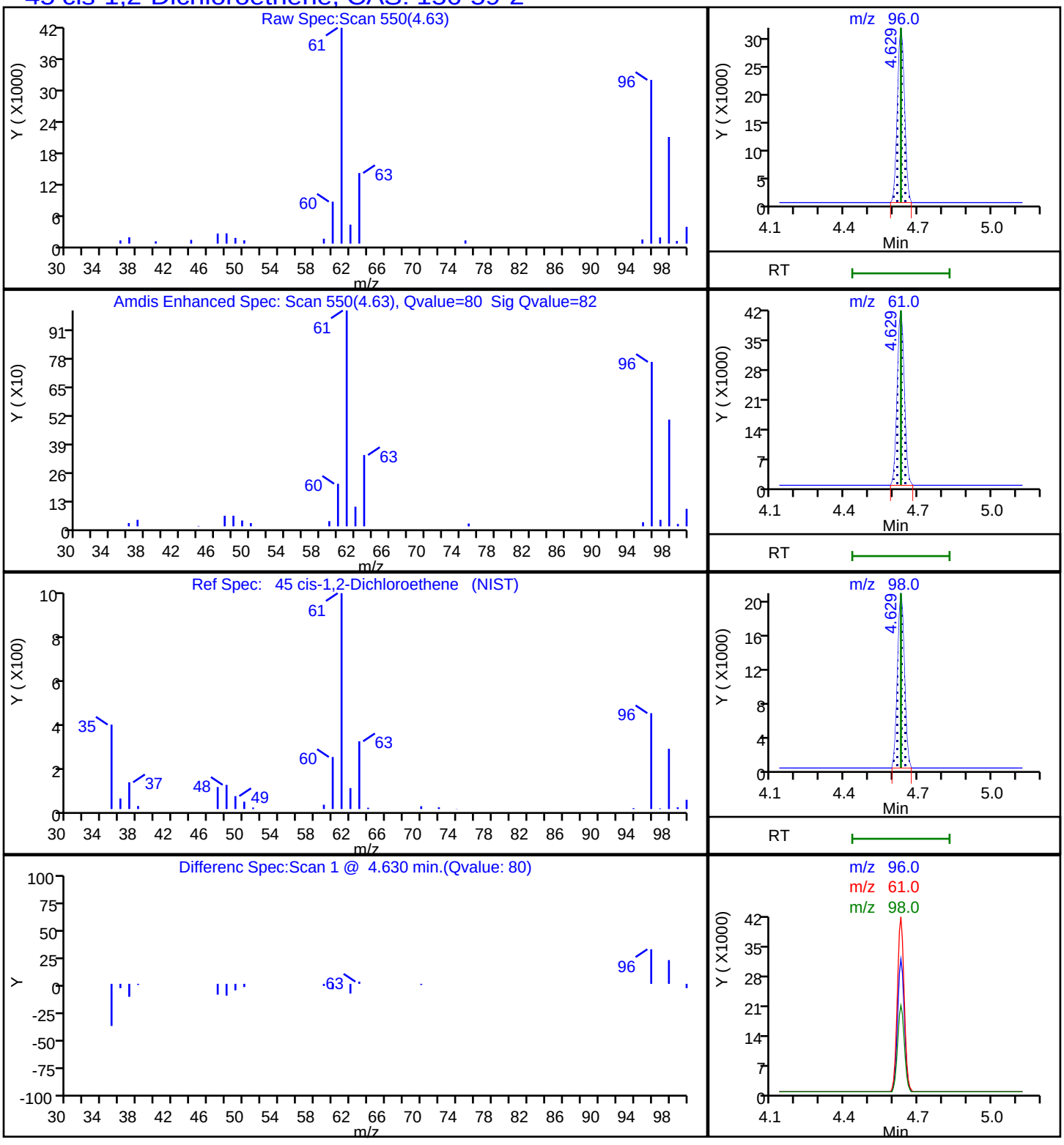
Report Date: 12-Mar-2020 07:13:41 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29322.D

Injection Date:	12-Mar-2020 01:21:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-B-2	Lab Sample ID:	480-167088-2		
Client ID:	RW-2				
Operator ID:	CDC	ALS Bottle#:	1	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

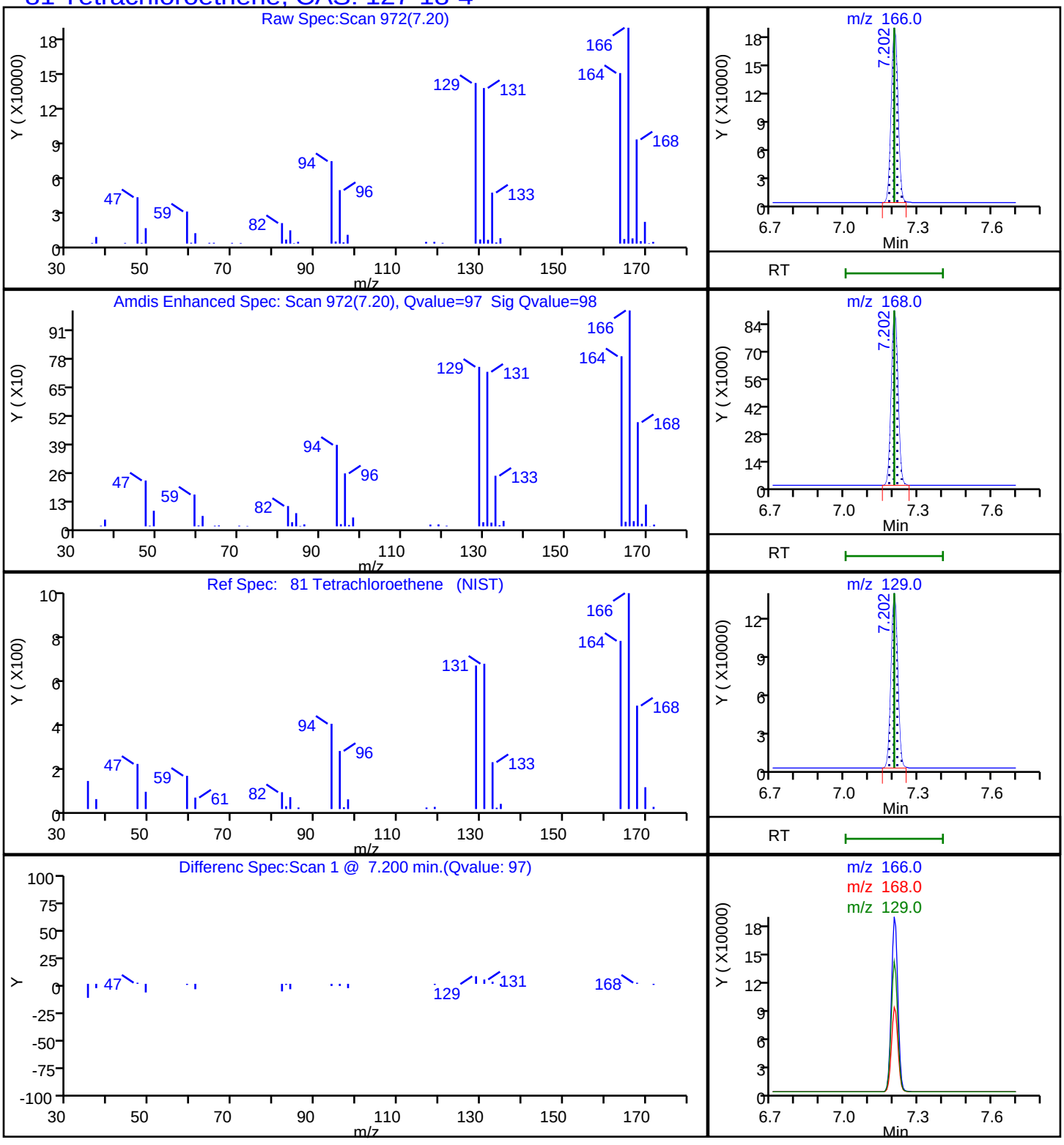
45 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29322.D				
Injection Date:	12-Mar-2020 01:21:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-B-2	Lab Sample ID:	480-167088-2		
Client ID:	RW-2				
Operator ID:	CDC	ALS Bottle#:	1	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

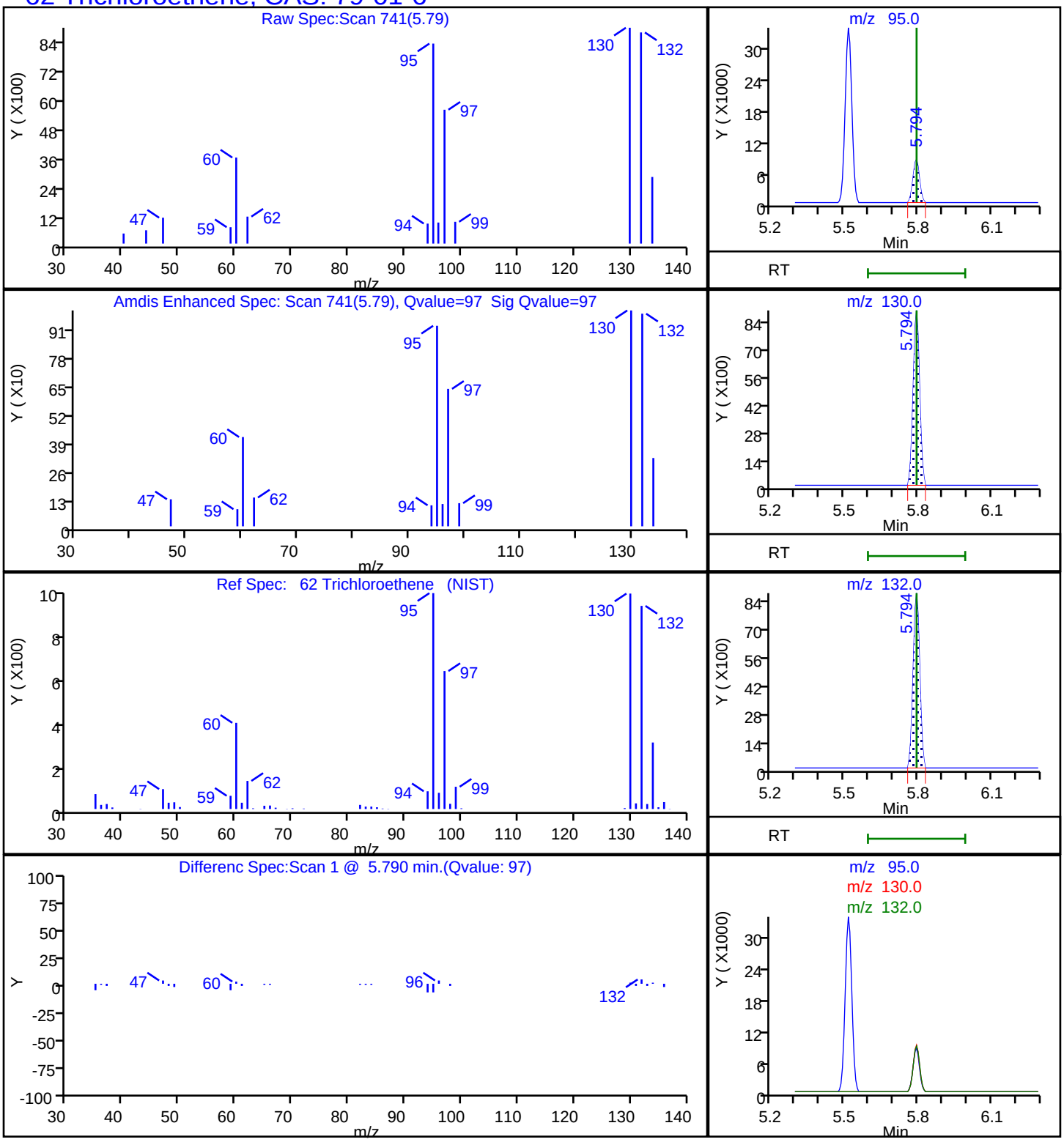
81 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29322.D		
Injection Date:	12-Mar-2020 01:21:30	Instrument ID:	HP5975D
Lims ID:	480-167088-B-2	Lab Sample ID:	480-167088-2
Client ID:	RW-2		
Operator ID:	CDC	ALS Bottle#:	1 Worklist Smp#: 8
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6



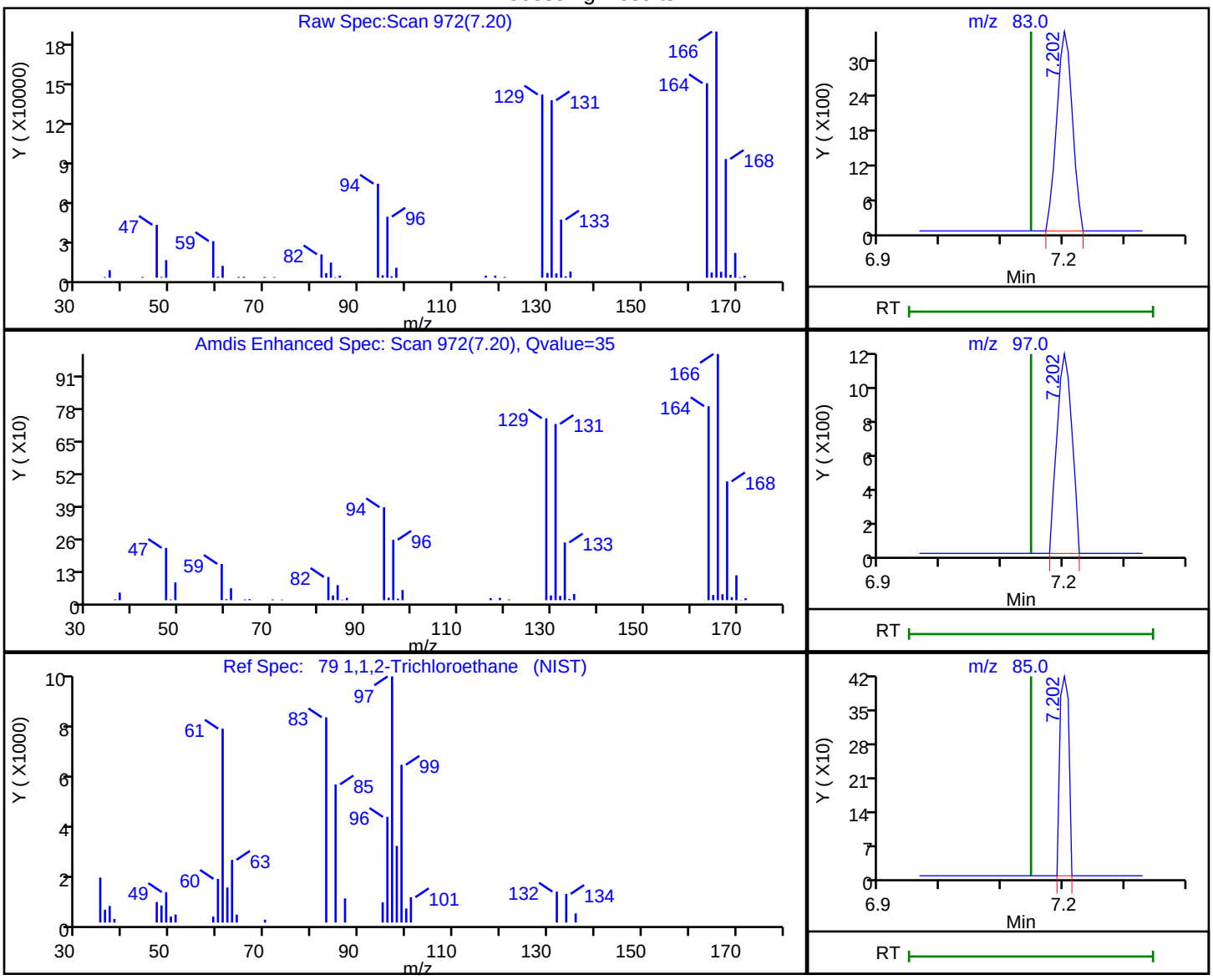
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29322.D				
Injection Date:	12-Mar-2020 01:21:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-B-2	Lab Sample ID:	480-167088-2		
Client ID:	RW-2				
Operator ID:	CDC	ALS Bottle#:	1	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.20	83.00	6161	1.080873
7.20	97.00	1881	
7.20	85.00	422	

Reviewer: lapointec, 12-Mar-2020 07:13:17

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

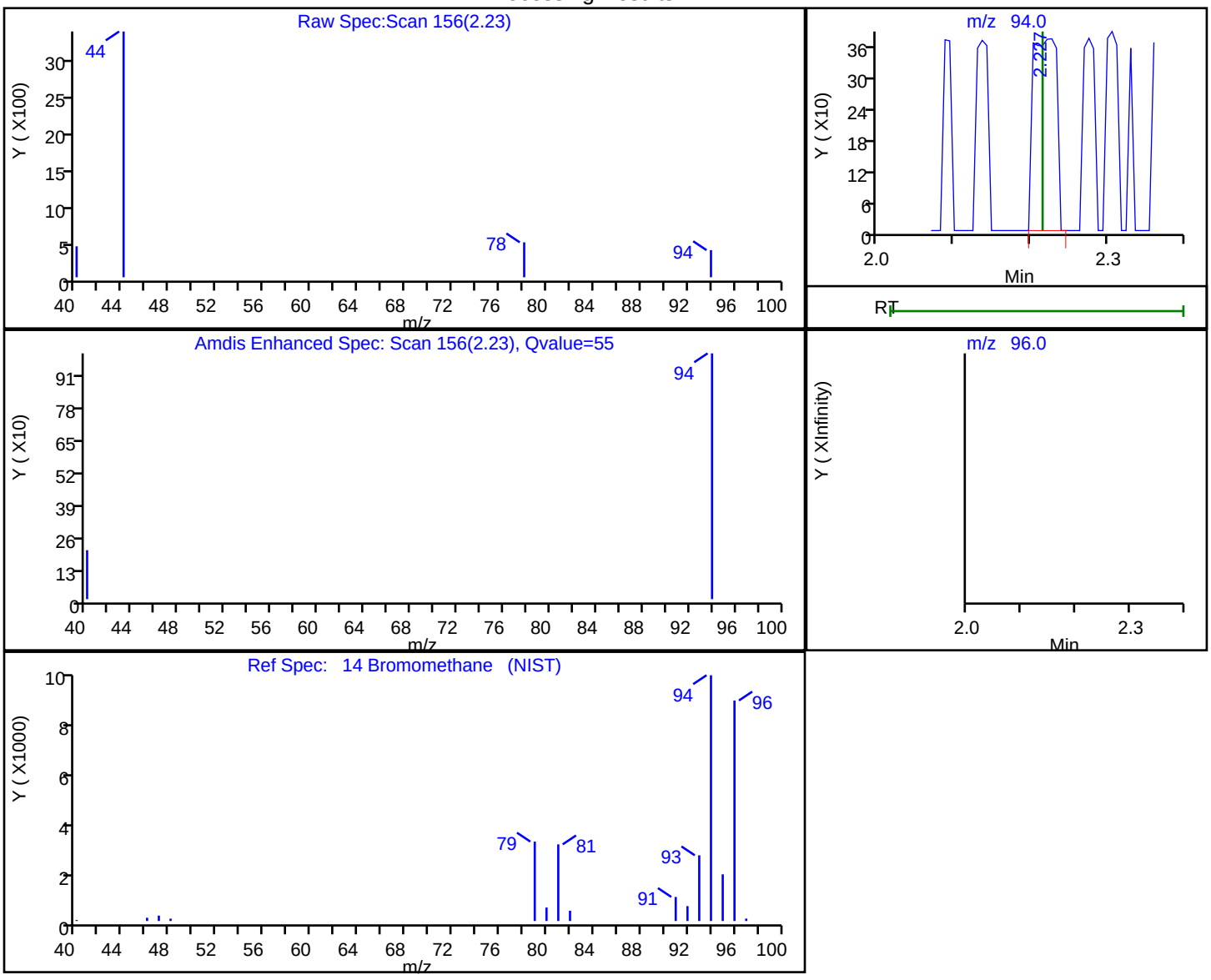
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29322.D				
Injection Date:	12-Mar-2020 01:21:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-B-2	Lab Sample ID:	480-167088-2		
Client ID:	RW-2				
Operator ID:	CDC	ALS Bottle#:	1	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.23	94.00	790	0.113878
2.22	96.00	0	

Reviewer: lapointec, 12-Mar-2020 07:12:41

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

User Disabled Compound Report

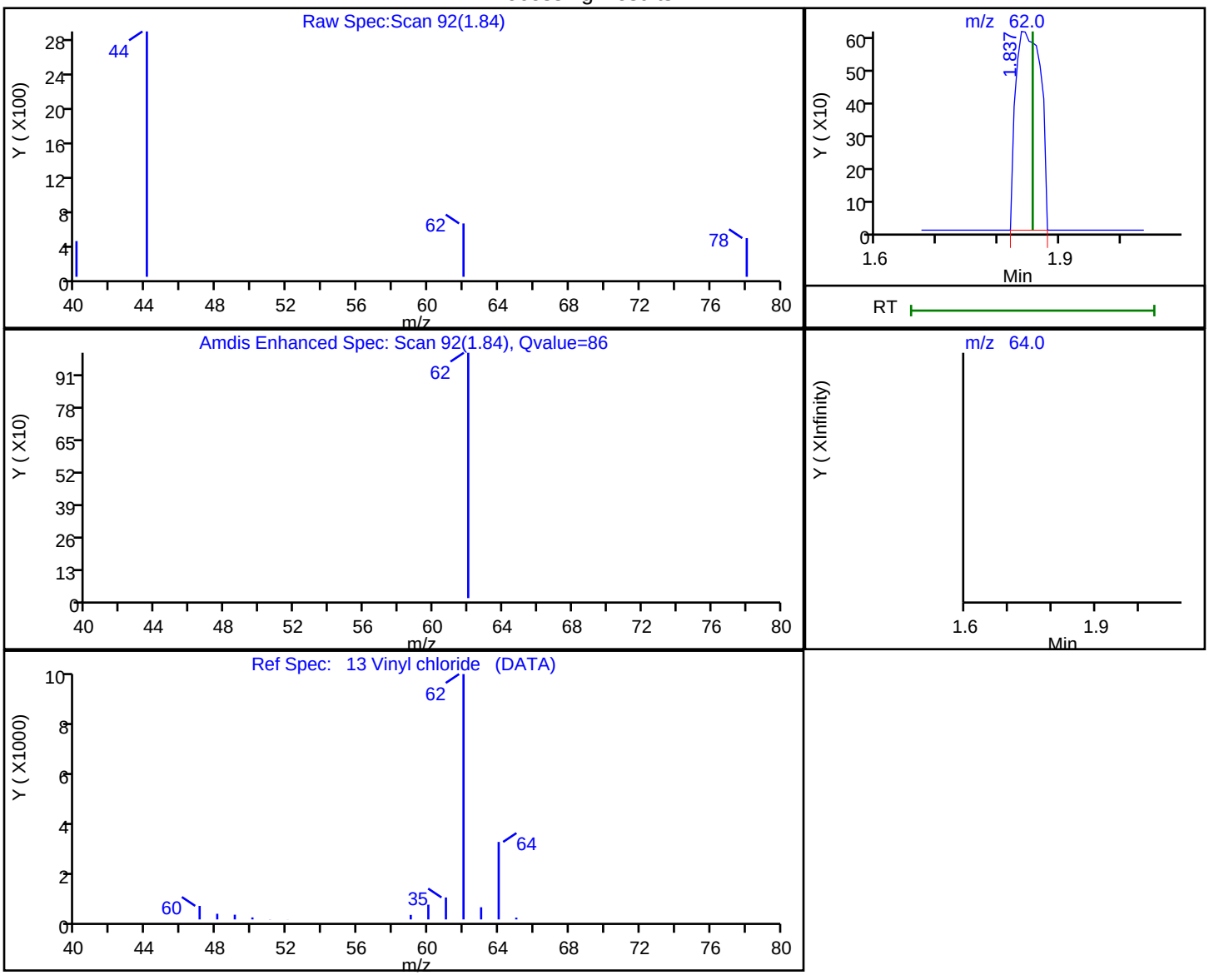
Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29322.D

Injection Date:	12-Mar-2020 01:21:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-B-2	Lab Sample ID:	480-167088-2		
Client ID:	RW-2				
Operator ID:	CDC	ALS Bottle#:	1	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.84	62.00	1753	0.181271
1.86	64.00	0	

Reviewer: lapointec, 12-Mar-2020 07:12:36

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: RW-3 Lab Sample ID: 480-167088-3

Matrix: Water Lab File ID: D29304.D

Analysis Method: 8260C Date Collected: 03/05/2020 12:40

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 15:08

Soil Aliquot Vol: Dilution Factor: 4

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	5.5		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: RW-3 Lab Sample ID: 480-167088-3

Matrix: Water Lab File ID: D29304.D

Analysis Method: 8260C Date Collected: 03/05/2020 12:40

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 15:08

Soil Aliquot Vol: Dilution Factor: 4

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	200		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	2.9	J	4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29304.D
Lims ID: 480-167088-A-3
Client ID: RW-3
Sample Type: Client
Inject. Date: 10-Mar-2020 15:08:30 ALS Bottle#: 17 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-167088-A-3
Misc. Info.: 480-0088726-019
Operator ID: OI Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Mar-2020 15:37:18 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: HillL Date: 11-Mar-2020 15:37:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.519	5.525	-0.006	99	136000	25.0	
* 2 Chlorobenzene-d5	82	7.903	7.909	-0.006	85	295264	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.830	9.835	-0.005	94	320440	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.032	5.038	-0.006	93	205099	23.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.300	5.300	0.000	98	106399	22.9	
$ 5 Toluene-d8 (Surr)	98	6.733	6.728	-0.006	93	706130	25.6	
$ 6 4-Bromofluorobenzene (Surr	174	8.866	8.852	0.000	94	239484	24.1	
10 Dichlorodifluoromethane	85		1.508				ND	
12 Chloromethane	50		1.734				ND	
13 Vinyl chloride	62		1.849				ND	
14 Bromomethane	94		2.215				ND	U
15 Chloroethane	64		2.307				ND	
17 Trichlorofluoromethane	101		2.557				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.063				ND	
22 1,1-Dichloroethene	96		3.075				ND	
23 Acetone	43		3.172				ND	
26 Carbon disulfide	76		3.282				ND	
27 Methyl acetate	43		3.453				ND	
30 Methylene Chloride	84	3.599	3.599	0.043	96	7110	0.2222	M
32 Methyl tert-butyl ether	73		3.745				ND	
34 trans-1,2-Dichloroethene	96		3.764				ND	
39 1,1-Dichloroethane	63		4.148				ND	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.000	79	12131	1.39	
43 2-Butanone (MEK)	43		4.660				ND	
50 Chloroform	83	4.898	4.898	0.000	84	1852	0.1222	
51 1,1,1-Trichloroethane	97		5.001				ND	
52 Cyclohexane	56		5.013				ND	
55 Carbon tetrachloride	117		5.123				ND	
57 Benzene	78		5.306				ND	
58 1,2-Dichloroethane	62		5.361				ND	
62 Trichloroethene	95	5.800	5.800	0.000	94	6011	0.7126	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.897				ND	
65 1,2-Dichloropropane	63		6.001				ND	
68 Dichlorobromomethane	83		6.227				ND	
72 cis-1,3-Dichloropropene	75		6.556				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.653				ND	
74 Toluene	92		6.787				ND	
77 trans-1,3-Dichloropropene	75		6.995				ND	
79 1,1,2-Trichloroethane	83		7.153				ND	U
81 Tetrachloroethene	166	7.208	7.203	-0.006	97	439339	49.0	
80 2-Hexanone	43		7.306				ND	
83 Chlorodibromomethane	129		7.476				ND	
84 Ethylene Dibromide	107		7.574				ND	
87 Chlorobenzene	112		7.934				ND	
88 Ethylbenzene	91		7.982				ND	
90 m-Xylene & p-Xylene	106		8.074				ND	
91 o-Xylene	106		8.409				ND	
92 Styrene	104		8.427				ND	
95 Bromoform	173		8.647				ND	
94 Isopropylbenzene	105		8.689				ND	
97 1,1,2,2-Tetrachloroethane	83		9.013				ND	
111 1,3-Dichlorobenzene	146		9.781				ND	
113 1,4-Dichlorobenzene	146		9.854				ND	
116 1,2-Dichlorobenzene	146		10.183				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.872				ND	
119 1,2,4-Trichlorobenzene	180		11.506				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00010 Amount Added: 1.00 Units: uL Run Reagent

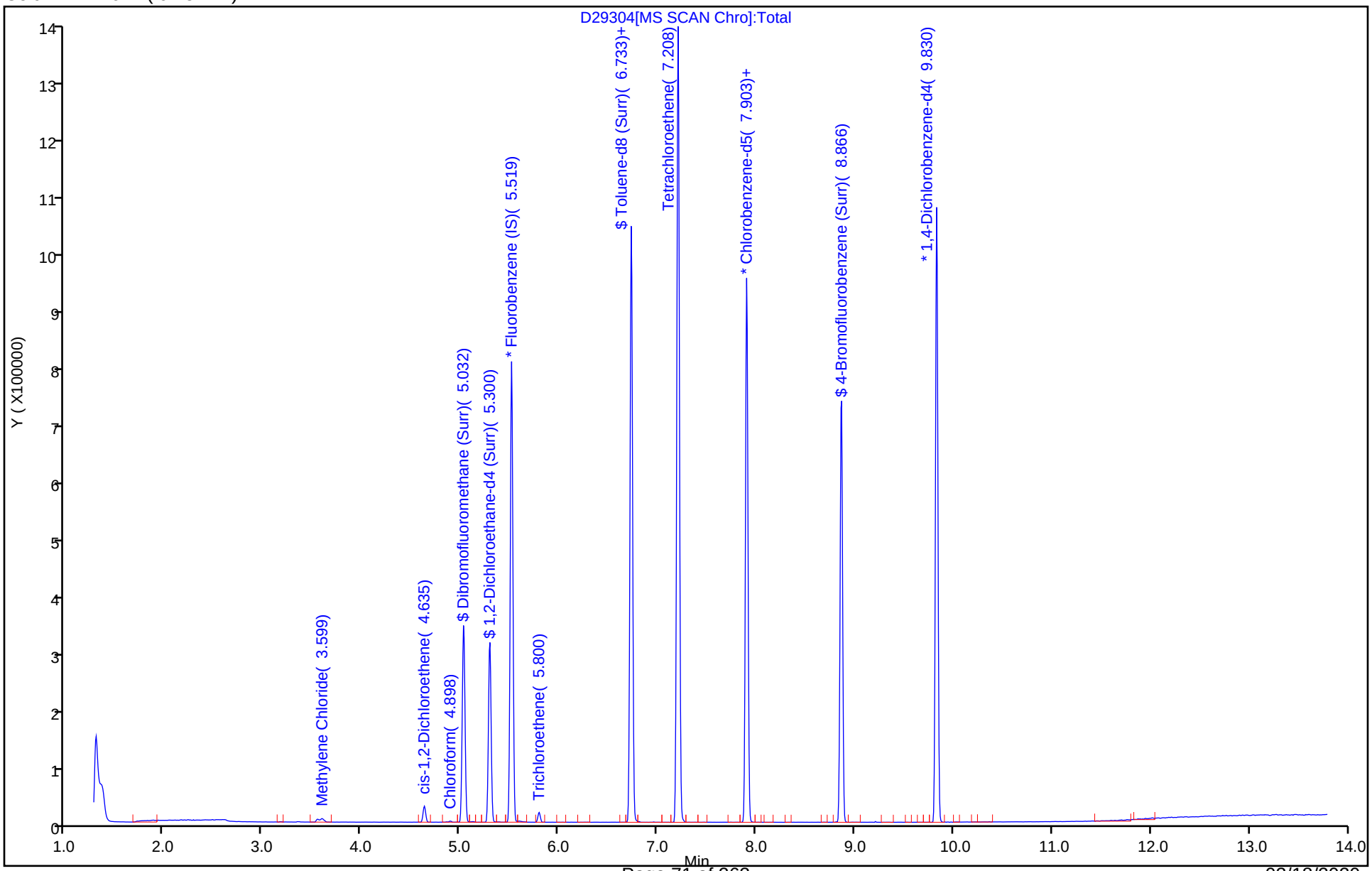
Report Date: 11-Mar-2020 15:37:18 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29304.D

Injection Date:	10-Mar-2020 15:08:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-167088-A-3	Lab Sample ID:	480-167088-3	Worklist Smp#:	19
Client ID:	RW-3				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	17
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



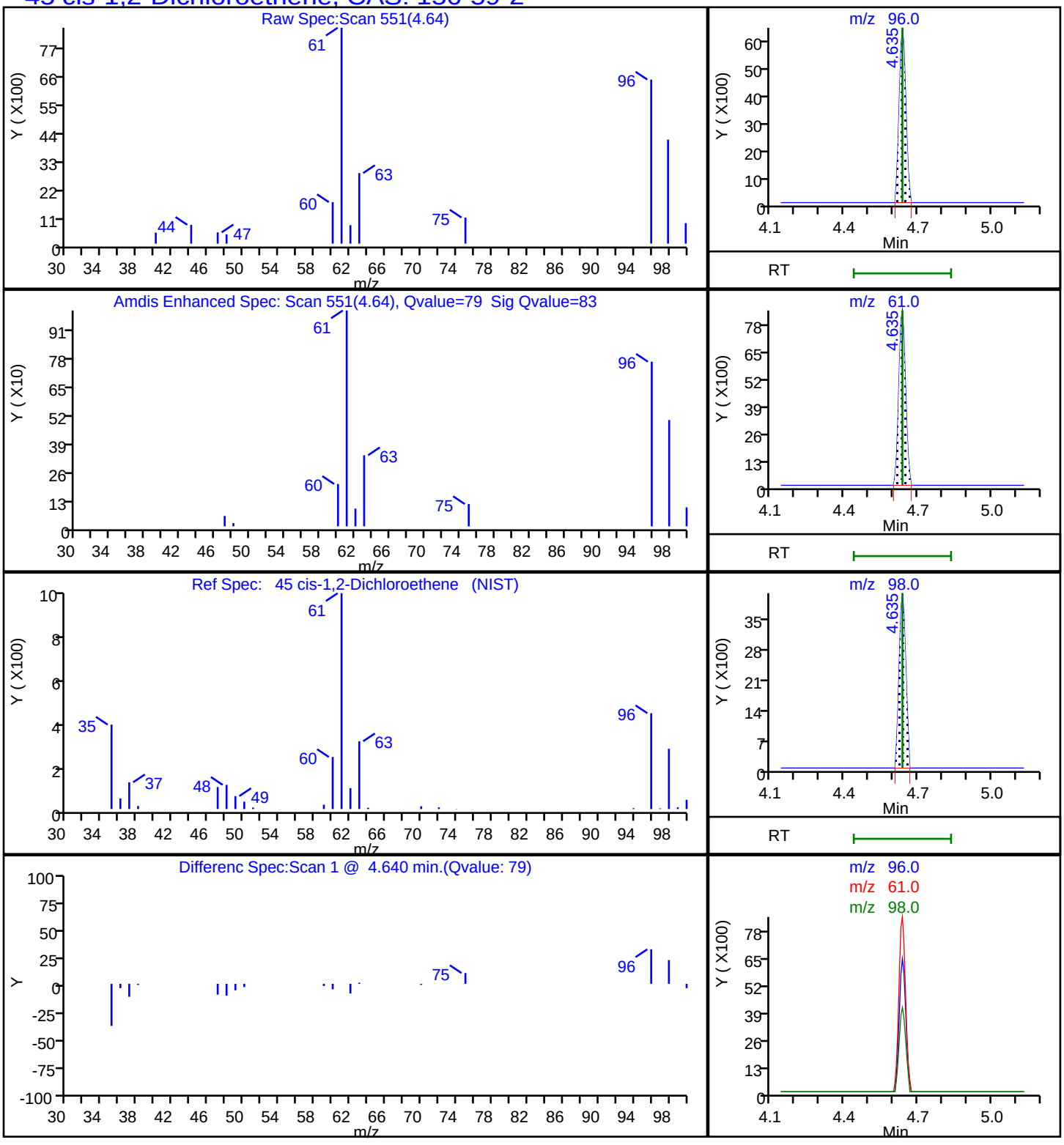
Report Date: 11-Mar-2020 15:37:18 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29304.D

Injection Date:	10-Mar-2020 15:08:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-3	Lab Sample ID:	480-167088-3		
Client ID:	RW-3				
Operator ID:	OI	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

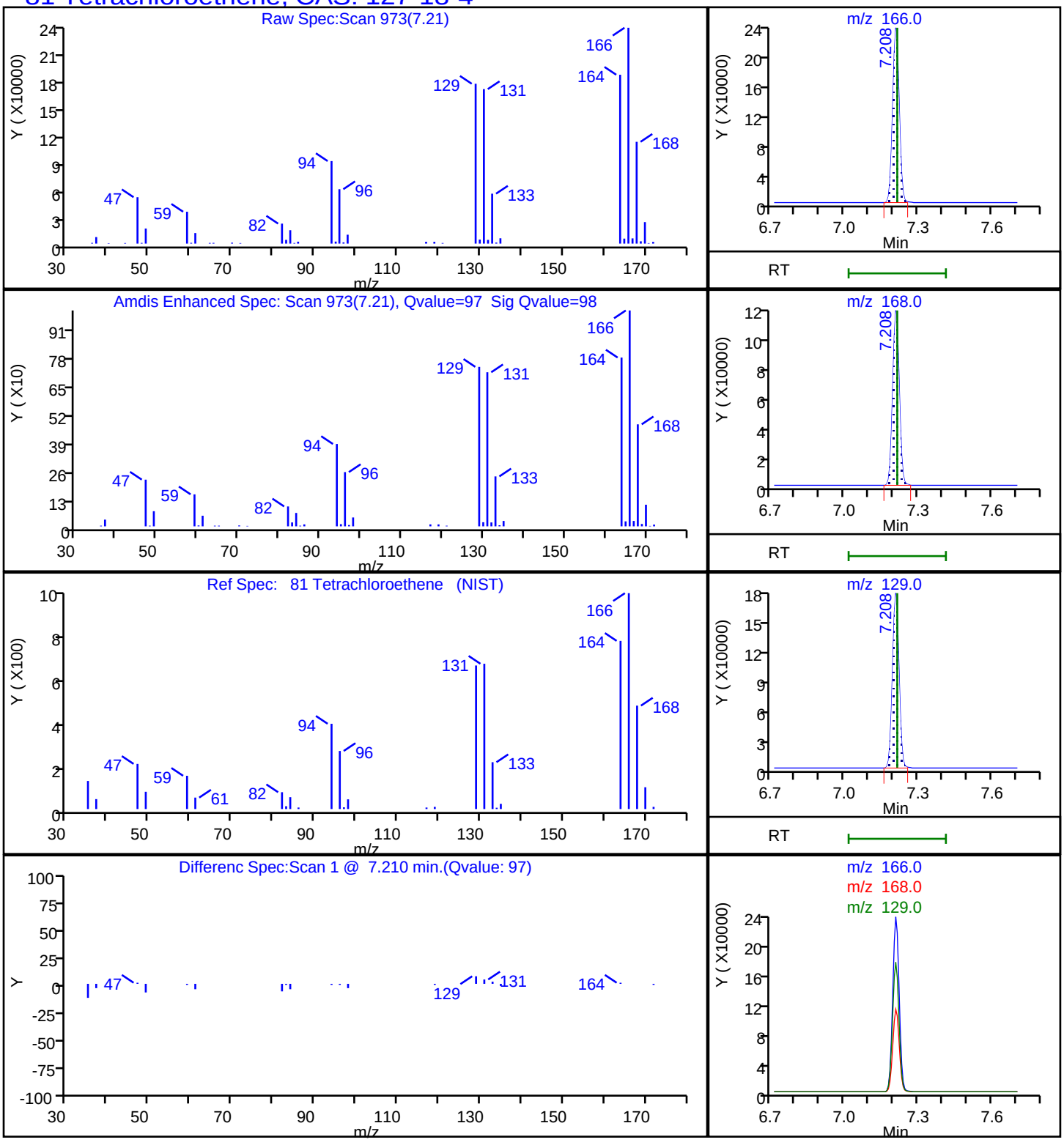


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29304.D

Injection Date:	10-Mar-2020 15:08:30	Instrument ID:	HP5975D
Lims ID:	480-167088-A-3	Lab Sample ID:	480-167088-3
Client ID:	RW-3		
Operator ID:	OI	ALS Bottle#:	17 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

81 Tetrachloroethene, CAS: 127-18-4

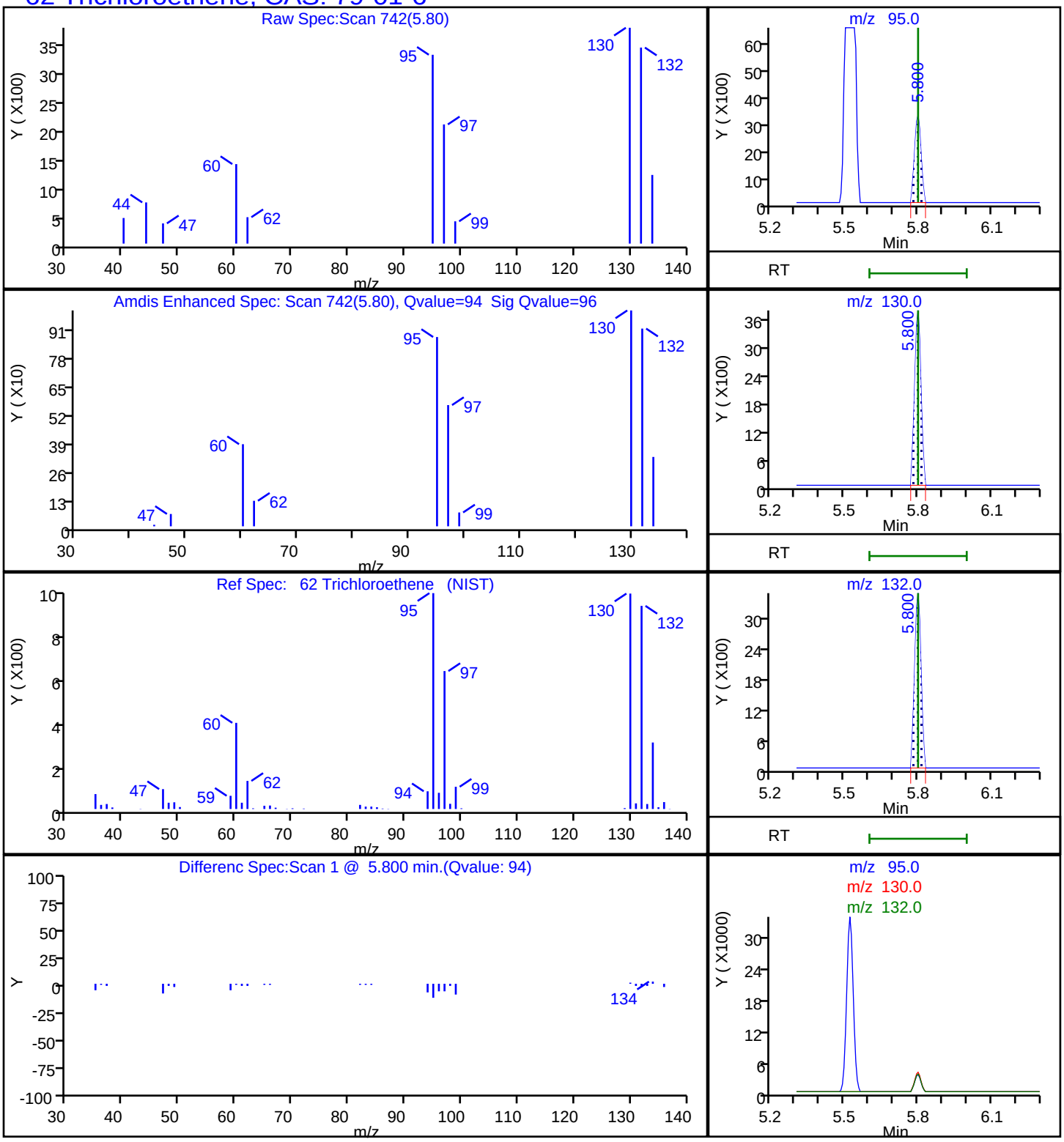


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29304.D

Injection Date:	10-Mar-2020 15:08:30	Instrument ID:	HP5975D
Lims ID:	480-167088-A-3	Lab Sample ID:	480-167088-3
Client ID:	RW-3		
Operator ID:	OI	ALS Bottle#:	17 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6



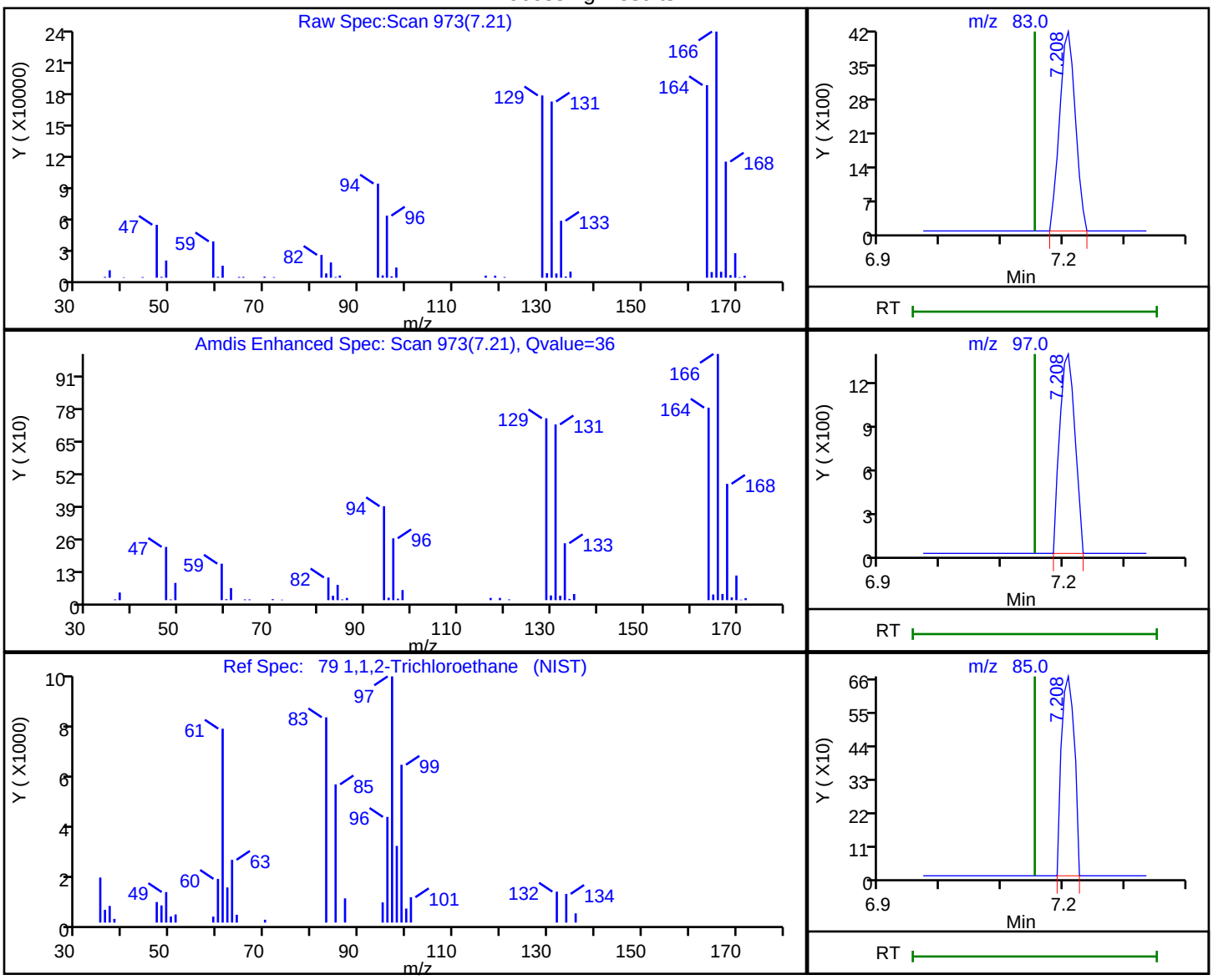
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29304.D				
Injection Date:	10-Mar-2020 15:08:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-3	Lab Sample ID:	480-167088-3		
Client ID:	RW-3				
Operator ID:	OI	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.21	83.00	7425	1.323648
7.21	97.00	2350	
7.21	85.00	974	

Reviewer: HillL, 11-Mar-2020 15:37:12

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

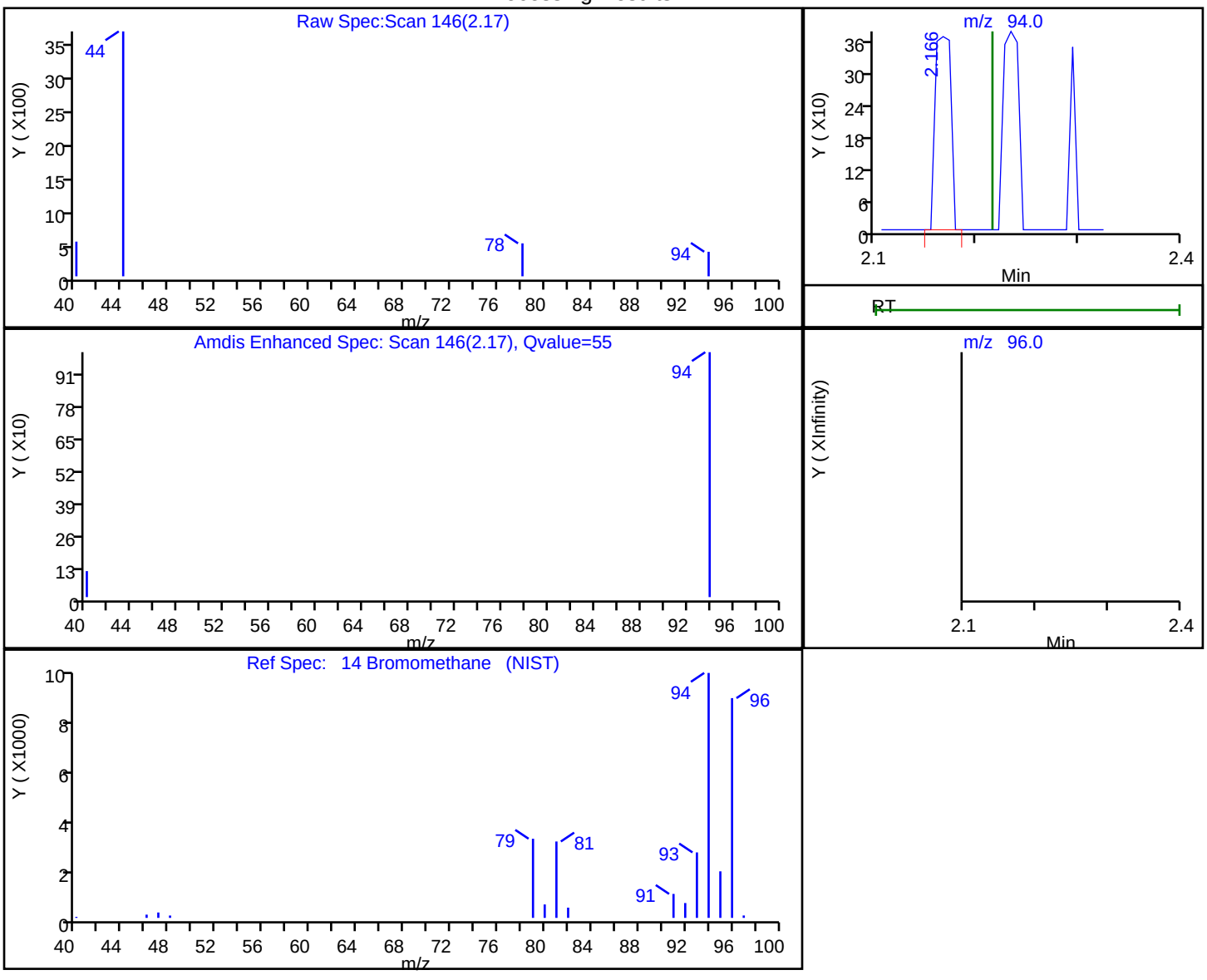
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29304.D				
Injection Date:	10-Mar-2020 15:08:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-3	Lab Sample ID:	480-167088-3		
Client ID:	RW-3				
Operator ID:	OI	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.17	94.00	400	0.056746
2.22	96.00	0	

Reviewer: HillL, 11-Mar-2020 15:36:53

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

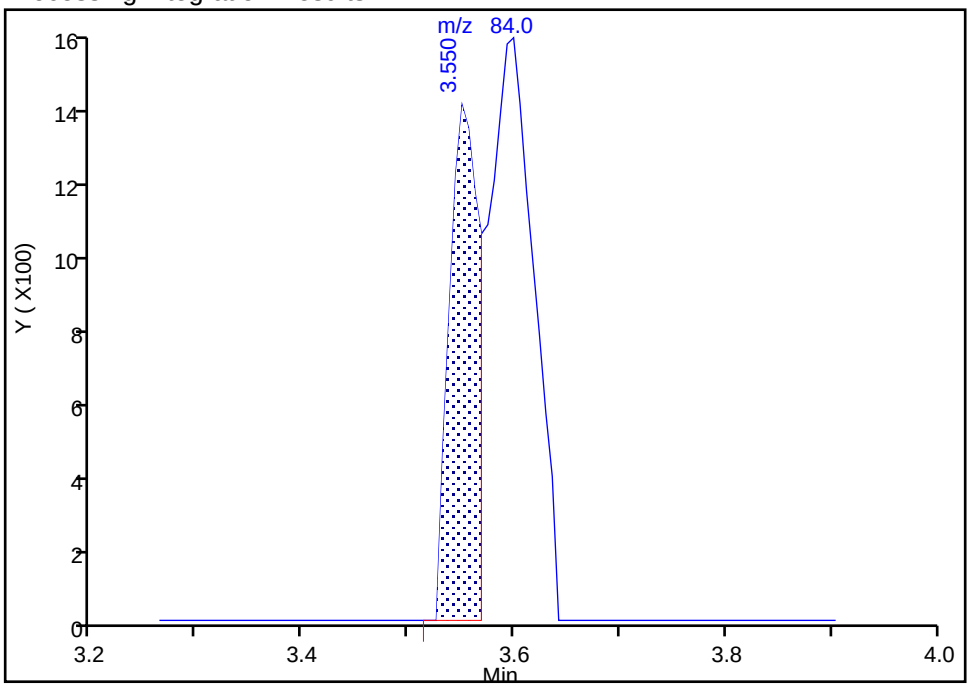
Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29304.D				
Injection Date:	10-Mar-2020 15:08:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-3	Lab Sample ID:	480-167088-3		
Client ID:	RW-3				
Operator ID:	OI	ALS Bottle#:	17	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

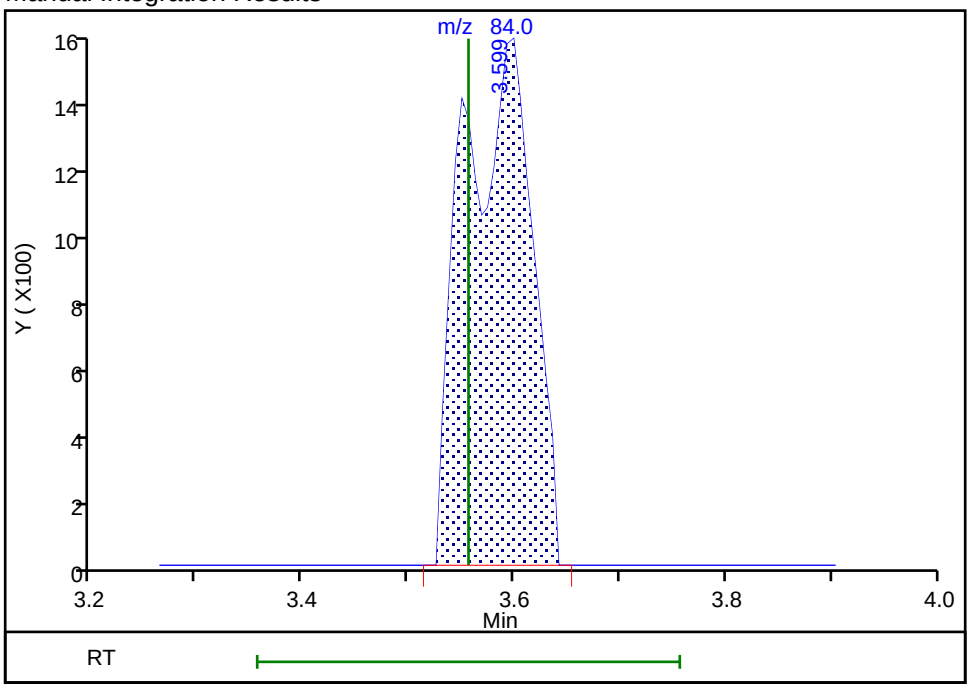
Processing Integration Results

RT: 3.55
Area: 2716
Amount: -0.346768
Amount Units: ug/L



Manual Integration Results

RT: 3.60
Area: 7110
Amount: 0.222155
Amount Units: ug/L



Reviewer: HillL, 11-Mar-2020 15:37:02

Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-167088-4

Matrix: Water Lab File ID: D29305.D

Analysis Method: 8260C Date Collected: 03/05/2020 12:50

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 15:31

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
75-34-3	1,1-Dichloroethane	ND		5.0	1.9
75-35-4	1,1-Dichloroethene	ND		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.0
95-50-1	1,2-Dichlorobenzene	ND		5.0	4.0
107-06-2	1,2-Dichloroethane	ND		5.0	1.1
78-87-5	1,2-Dichloropropane	ND		5.0	3.6
541-73-1	1,3-Dichlorobenzene	ND		5.0	3.9
106-46-7	1,4-Dichlorobenzene	ND		5.0	4.2
78-93-3	2-Butanone (MEK)	150		50	6.6
591-78-6	2-Hexanone	ND		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	11
67-64-1	Acetone	240		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		5.0	2.0
75-25-2	Bromoform	ND		5.0	1.3
74-83-9	Bromomethane	ND		5.0	3.5
75-15-0	Carbon disulfide	ND		5.0	0.95
56-23-5	Carbon tetrachloride	ND		5.0	1.4
108-90-7	Chlorobenzene	ND		5.0	3.8
124-48-1	Dibromochloromethane	ND		5.0	1.6
75-00-3	Chloroethane	ND		5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	5.4		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4
100-41-4	Ethylbenzene	ND		5.0	3.7
106-93-4	1,2-Dibromoethane	ND		5.0	3.7
98-82-8	Isopropylbenzene	ND		5.0	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-167088-4

Matrix: Water Lab File ID: D29305.D

Analysis Method: 8260C Date Collected: 03/05/2020 12:50

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 15:31

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		13	6.5
1634-04-4	Methyl tert-butyl ether	1.4	J	5.0	0.80
108-87-2	Methylcyclohexane	ND		5.0	0.80
75-09-2	Methylene Chloride	ND		5.0	2.2
100-42-5	Styrene	ND		5.0	3.7
127-18-4	Tetrachloroethene	ND		5.0	1.8
108-88-3	Toluene	ND		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	ND		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	1.9
79-01-6	Trichloroethene	ND		5.0	2.3
75-69-4	Trichlorofluoromethane	ND		5.0	4.4
75-01-4	Vinyl chloride	ND		5.0	4.5
1330-20-7	Xylenes, Total	ND		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29305.D
Lims ID: 480-167088-A-4
Client ID: DUP
Sample Type: Client
Inject. Date: 10-Mar-2020 15:31:30 ALS Bottle#: 18 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 480-167088-A-4
Misc. Info.: 480-0088726-020
Operator ID: OI Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Mar-2020 15:37:41 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: HillL Date: 11-Mar-2020 15:37:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.519	5.525	-0.006	99	134174	25.0	
* 2 Chlorobenzene-d5	82	7.903	7.909	-0.006	85	291539	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.829	9.835	-0.006	94	319965	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.032	5.038	-0.006	93	202213	23.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.300	5.300	0.000	98	107106	23.3	
$ 5 Toluene-d8 (Surr)	98	6.732	6.728	-0.007	93	698502	25.7	
$ 6 4-Bromofluorobenzene (Surr	174	8.866	8.852	0.000	94	237300	24.2	
10 Dichlorodifluoromethane	85		1.508				ND	
12 Chloromethane	50		1.734				ND	U
13 Vinyl chloride	62	1.849	1.849	0.000	95	5604	0.5781	
14 Bromomethane	94		2.215				ND	U
15 Chloroethane	64		2.307				ND	
17 Trichlorofluoromethane	101		2.557				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.063				ND	
22 1,1-Dichloroethene	96		3.075				ND	
23 Acetone	43	3.172	3.172	0.000	100	121867	48.9	
26 Carbon disulfide	76		3.282				ND	
27 Methyl acetate	43		3.453				ND	
30 Methylene Chloride	84	3.593	3.599	0.037	95	7521	0.2886	
32 Methyl tert-butyl ether	73	3.745	3.745	0.000	96	5683	0.2896	
34 trans-1,2-Dichloroethene	96	3.763	3.764	-0.001	93	1198	0.1562	
39 1,1-Dichloroethane	63		4.148				ND	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.000	81	9397	1.09	
43 2-Butanone (MEK)	43	4.660	4.660	0.000	99	109960	30.7	
50 Chloroform	83		4.898				ND	
51 1,1,1-Trichloroethane	97		5.001				ND	
52 Cyclohexane	56		5.013				ND	
55 Carbon tetrachloride	117		5.123				ND	
57 Benzene	78		5.306				ND	
58 1,2-Dichloroethane	62		5.361				ND	
62 Trichloroethene	95	5.800	5.800	0.000	89	1907	0.2291	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.897				ND	
65 1,2-Dichloropropane	63		6.001				ND	
68 Dichlorobromomethane	83		6.227				ND	
72 cis-1,3-Dichloropropene	75		6.556				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.653				ND	
74 Toluene	92		6.787				ND	
77 trans-1,3-Dichloropropene	75		6.995				ND	
79 1,1,2-Trichloroethane	83		7.153				ND	
81 Tetrachloroethene	166		7.214				ND	
80 2-Hexanone	43		7.306				ND	
83 Chlorodibromomethane	129		7.476				ND	
84 Ethylene Dibromide	107		7.574				ND	
87 Chlorobenzene	112		7.934				ND	
88 Ethylbenzene	91		7.982				ND	
90 m-Xylene & p-Xylene	106		8.074				ND	
91 o-Xylene	106		8.409				ND	
92 Styrene	104		8.427				ND	
95 Bromoform	173		8.647				ND	
94 Isopropylbenzene	105		8.689				ND	
97 1,1,2,2-Tetrachloroethane	83		9.013				ND	
111 1,3-Dichlorobenzene	146		9.781				ND	
113 1,4-Dichlorobenzene	146		9.854				ND	
116 1,2-Dichlorobenzene	146		10.183				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.872				ND	
119 1,2,4-Trichlorobenzene	180		11.506				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00010 Amount Added: 1.00 Units: uL Run Reagent

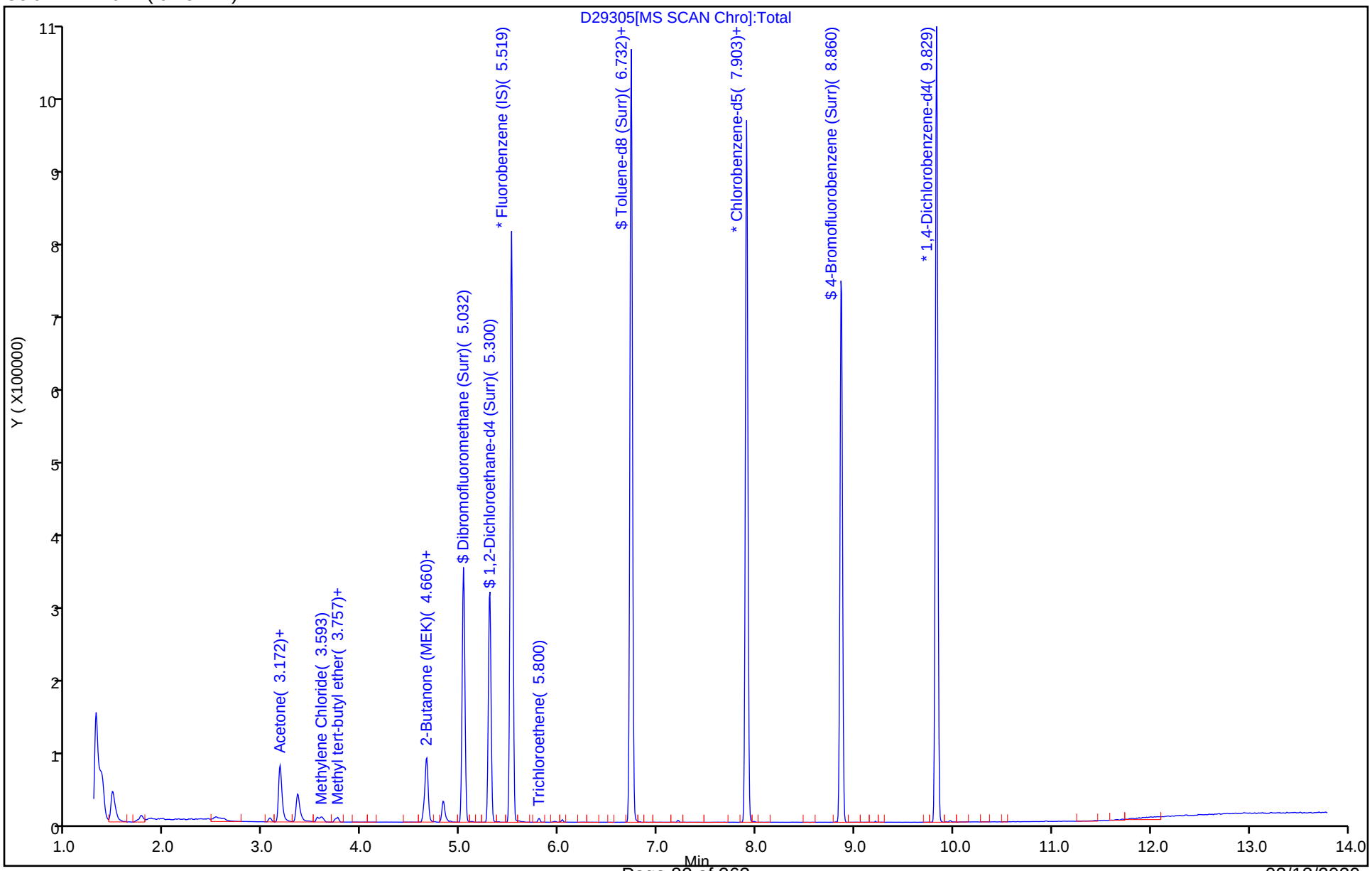
Report Date: 11-Mar-2020 15:37:41 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29305.D

Injection Date:	10-Mar-2020 15:31:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-167088-A-4	Lab Sample ID:	480-167088-4	Worklist Smp#:	20
Client ID:	DUP				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	18
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

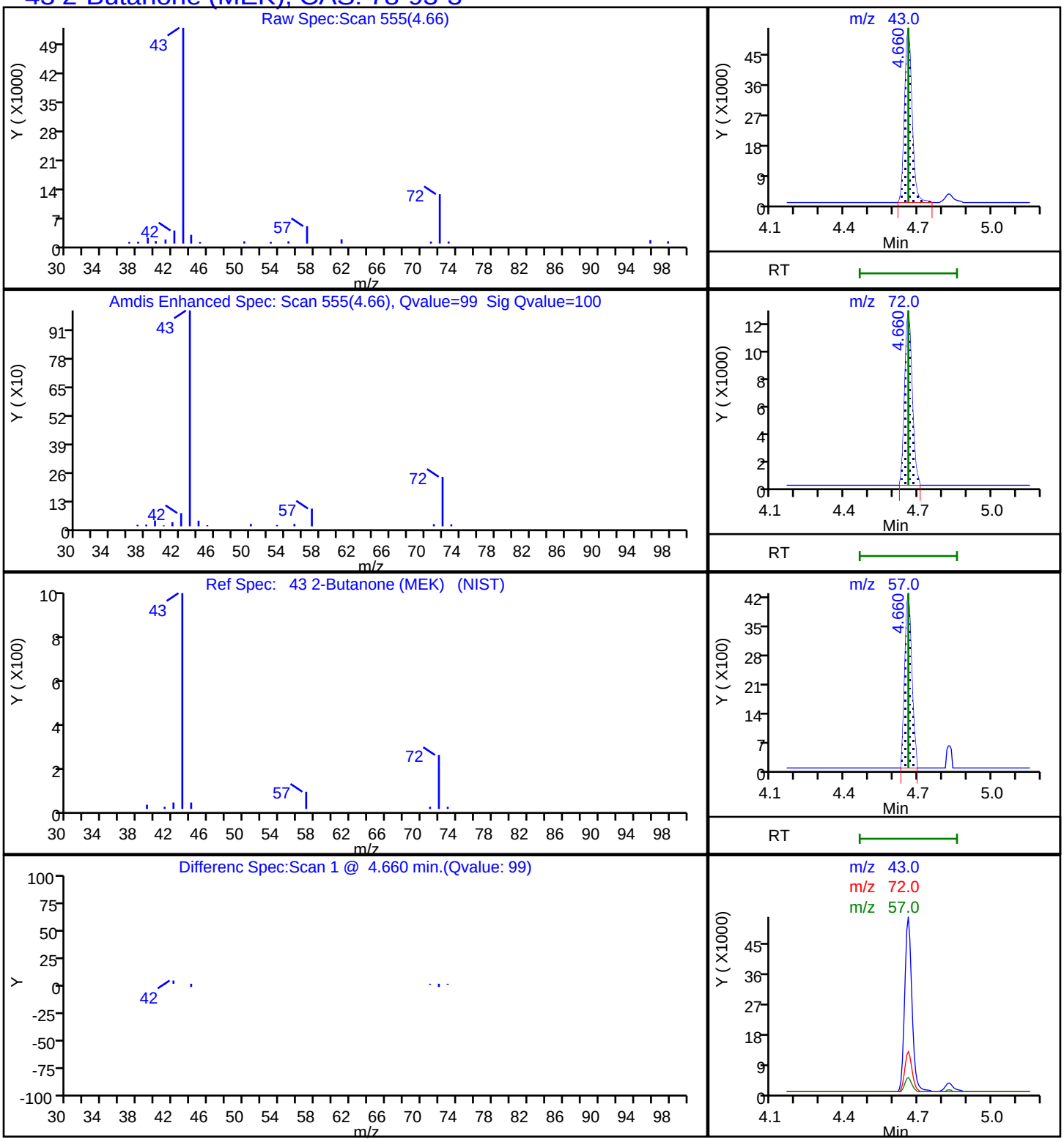
Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29305.D
Injection Date: 10-Mar-2020 15:31:30 Instrument ID: HP5975D
Lims ID: 480-167088-A-4 Lab Sample ID: 480-167088-4
Client ID: DUP
Operator ID: OI ALS Bottle#: 18 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

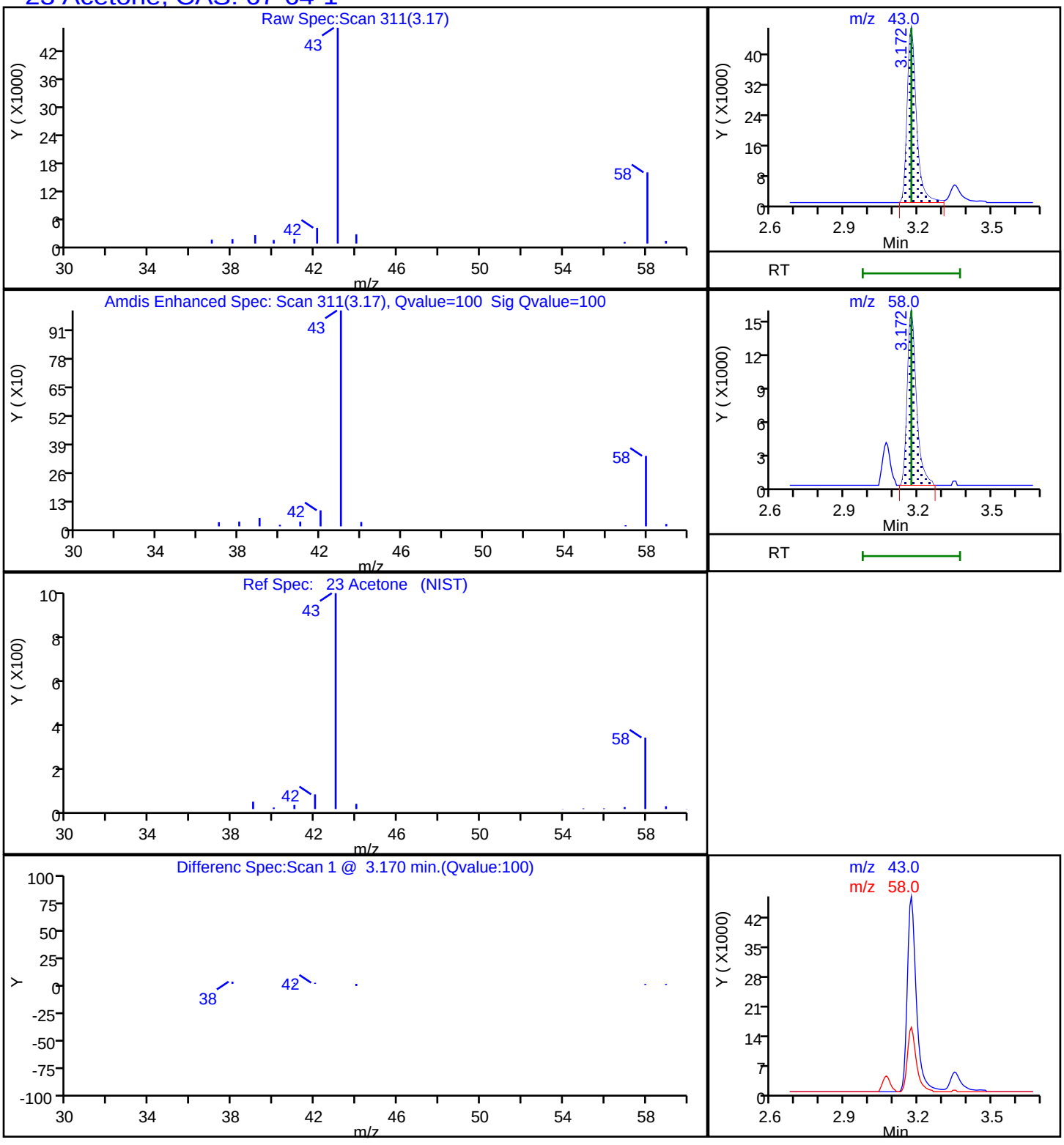
43 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29305.D
Injection Date: 10-Mar-2020 15:31:30 Instrument ID: HP5975D
Lims ID: 480-167088-A-4 Lab Sample ID: 480-167088-4
Client ID: DUP
Operator ID: OI ALS Bottle#: 18 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

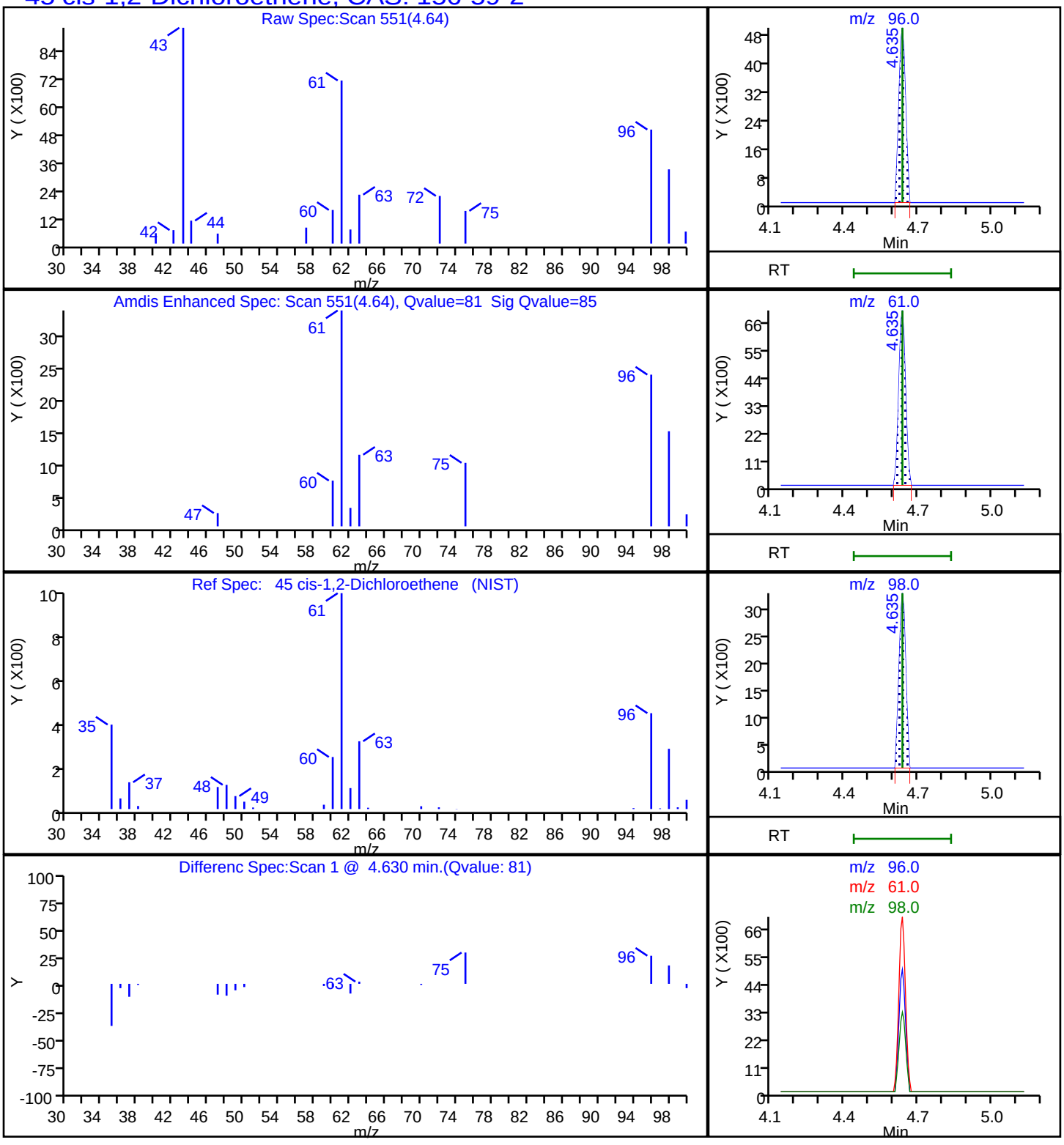


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29305.D

Injection Date:	10-Mar-2020 15:31:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-4	Lab Sample ID:	480-167088-4		
Client ID:	DUP				
Operator ID:	OI	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

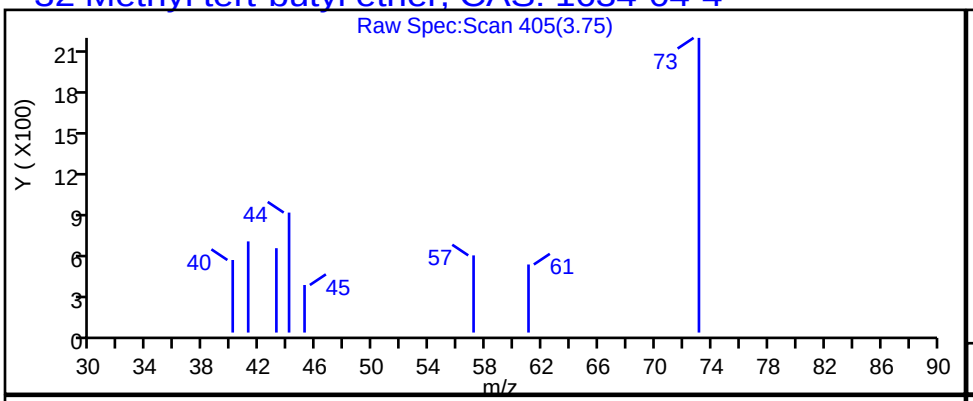
45 cis-1,2-Dichloroethene, CAS: 156-59-2

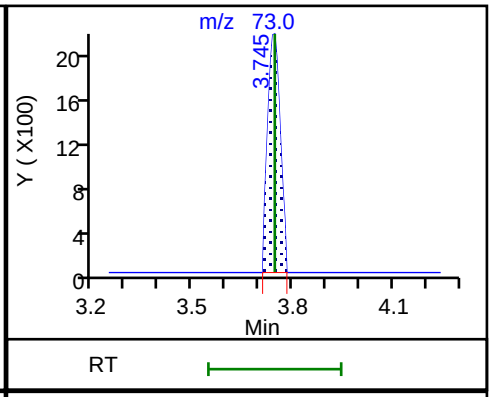


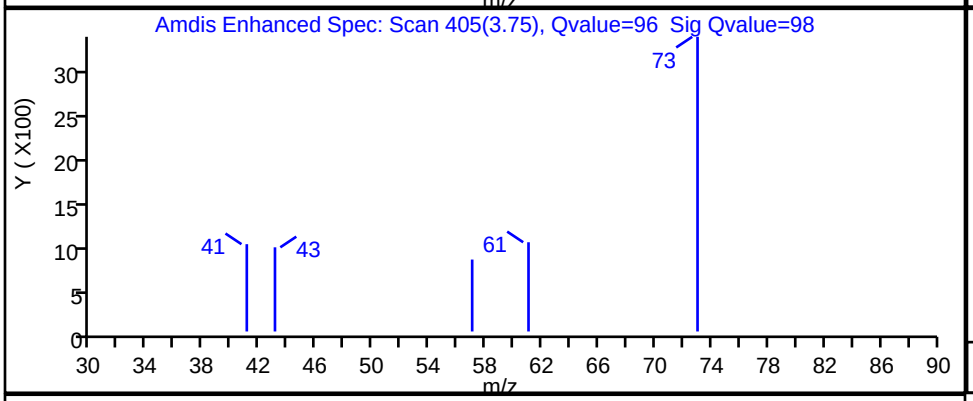
Eurofins TestAmerica, Buffalo

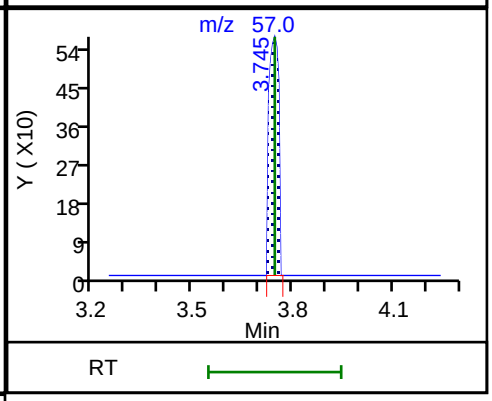
Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29305.D				
Injection Date:	10-Mar-2020 15:31:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-4	Lab Sample ID:	480-167088-4		
Client ID:	DUP				
Operator ID:	OI	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

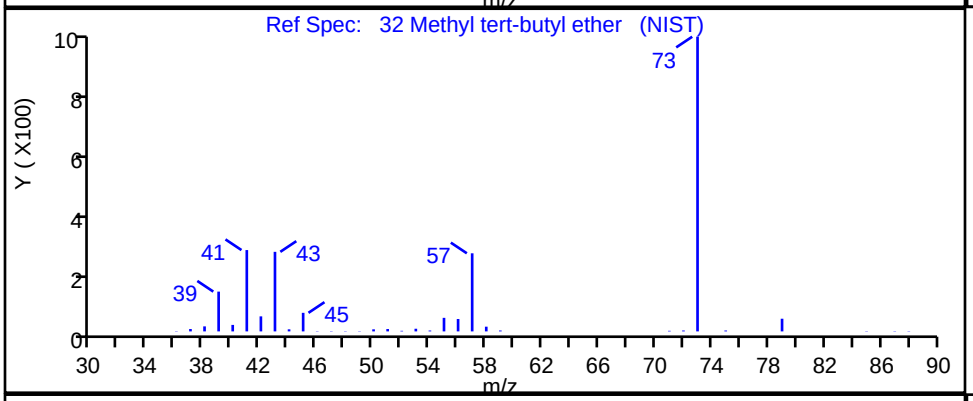
32 Methyl tert-butyl ether, CAS: 1634-04-4

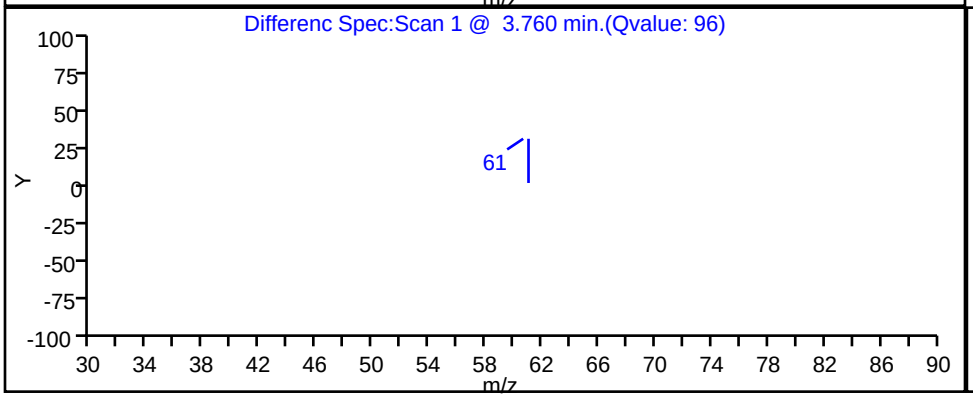


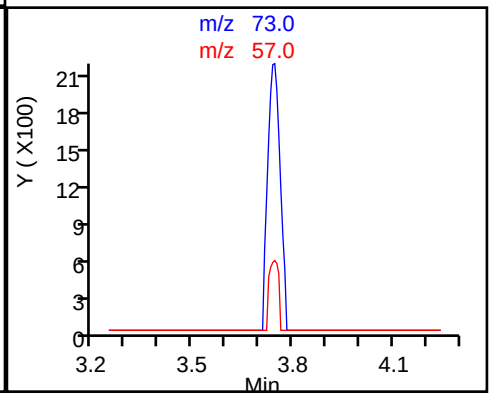












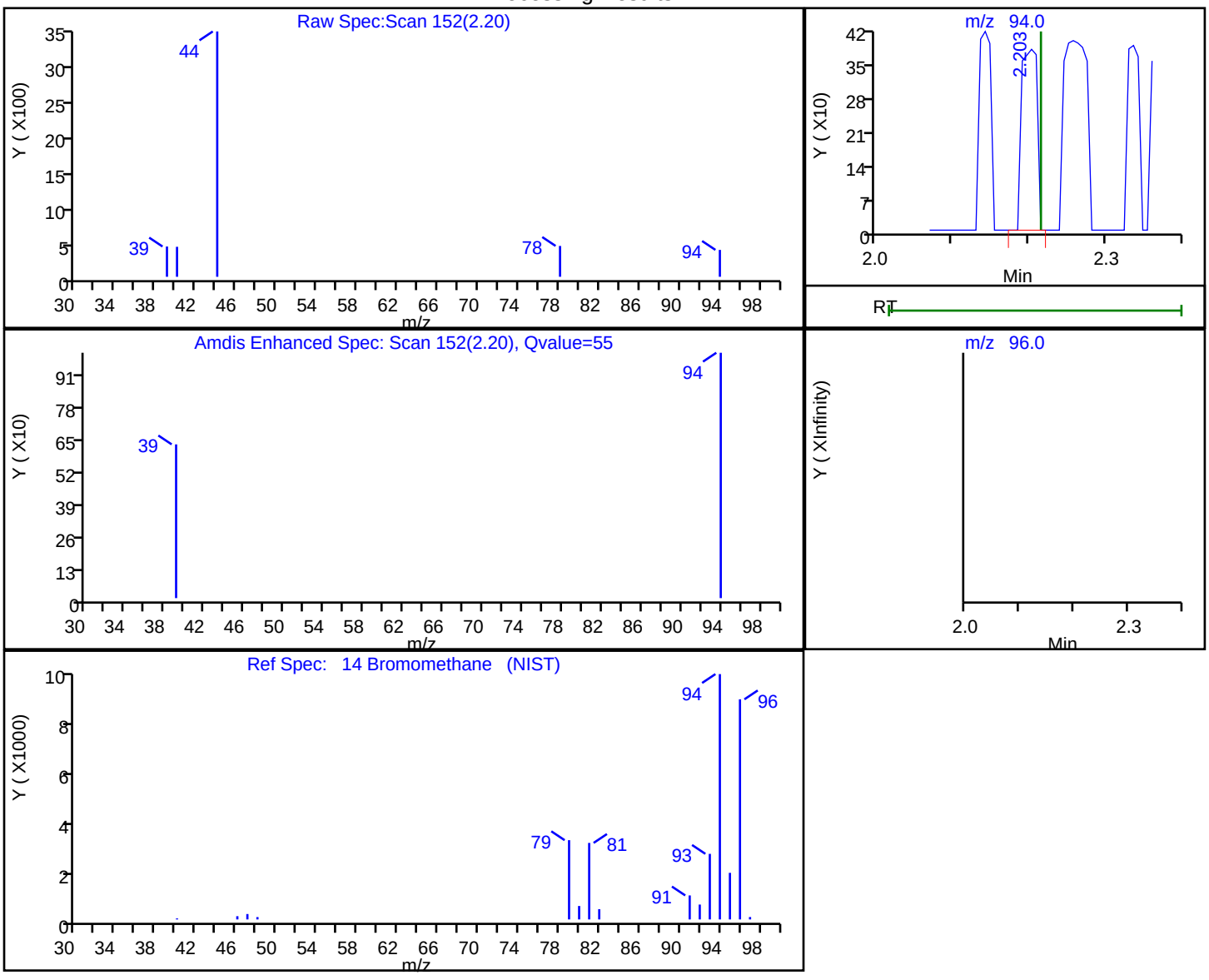
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29305.D				
Injection Date:	10-Mar-2020 15:31:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-4	Lab Sample ID:	480-167088-4		
Client ID:	DUP				
Operator ID:	OI	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.20	94.00	530	0.076212
2.22	96.00	0	

Reviewer: HillL, 11-Mar-2020 15:37:26

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

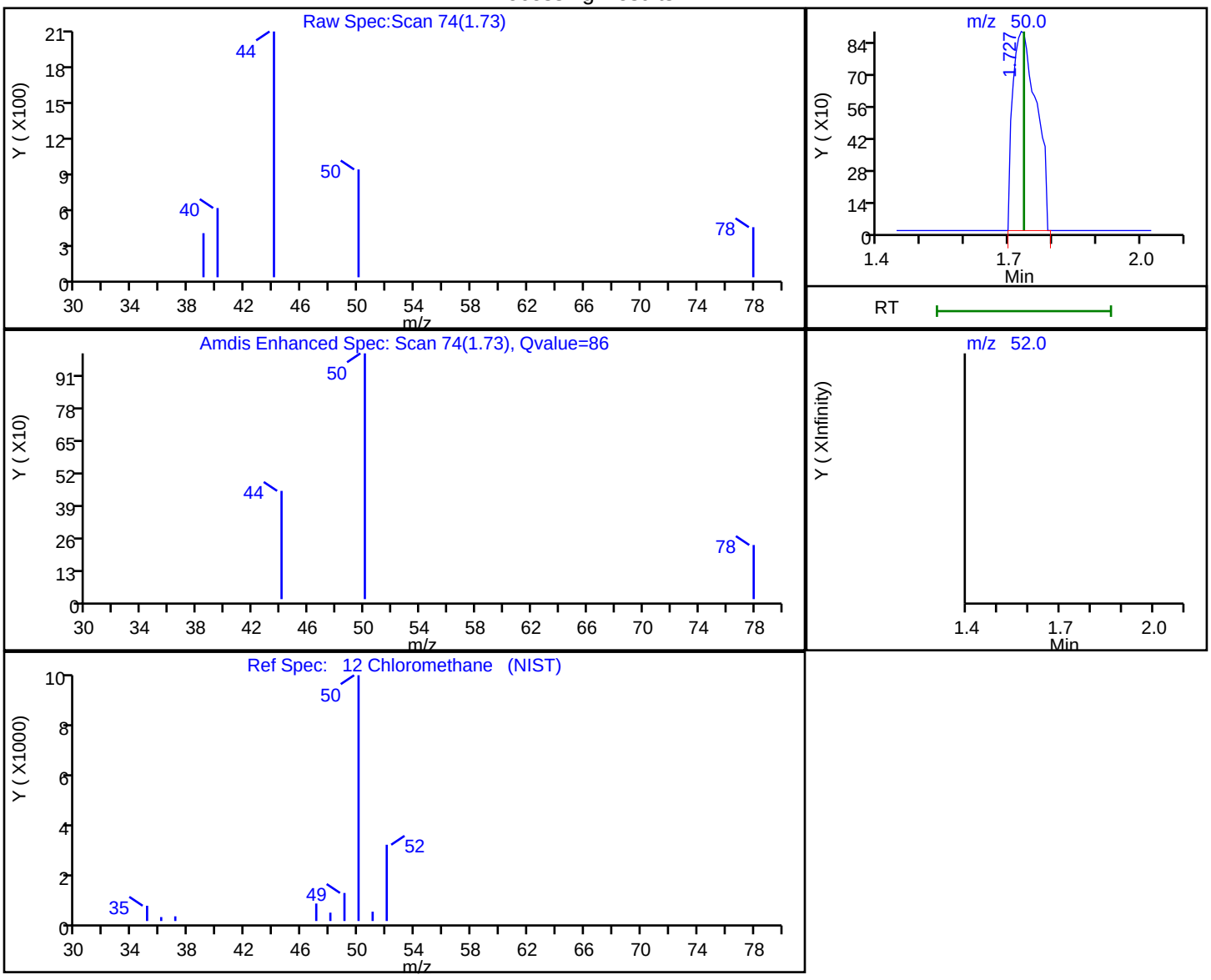
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29305.D				
Injection Date:	10-Mar-2020 15:31:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-4	Lab Sample ID:	480-167088-4		
Client ID:	DUP				
Operator ID:	OI	ALS Bottle#:	18	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.73	50.00	3327	0.279195
1.73	52.00	0	

Reviewer: HillL, 11-Mar-2020 15:37:24

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-167088-5

Matrix: Water Lab File ID: D29306.D

Analysis Method: 8260C Date Collected: 03/05/2020 12:45

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 15:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-167088-5

Matrix: Water Lab File ID: D29306.D

Analysis Method: 8260C Date Collected: 03/05/2020 12:45

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 15:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29306.D
Lims ID: 480-167088-A-5
Client ID: EFFLUENT
Sample Type: Client
Inject. Date: 10-Mar-2020 15:55:30 ALS Bottle#: 19 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-167088-A-5
Misc. Info.: 480-0088726-021
Operator ID: OI Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Mar-2020 15:38:03 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: HillL Date: 11-Mar-2020 15:38:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.519	5.525	-0.006	99	134538	25.0	
* 2 Chlorobenzene-d5	82	7.903	7.909	-0.006	85	288299	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.829	9.835	-0.006	94	319357	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.032	5.038	-0.006	93	205596	23.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.294	5.300	-0.006	98	106486	23.1	
$ 5 Toluene-d8 (Surr)	98	6.732	6.728	-0.007	93	685484	25.5	
$ 6 4-Bromofluorobenzene (Surr	174	8.866	8.852	0.000	95	236393	24.4	
10 Dichlorodifluoromethane	85		1.508				ND	
12 Chloromethane	50		1.734				ND	
13 Vinyl chloride	62		1.849				ND	
14 Bromomethane	94		2.215				ND	U
15 Chloroethane	64		2.307				ND	
17 Trichlorofluoromethane	101		2.557				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.063				ND	
22 1,1-Dichloroethene	96		3.075				ND	
23 Acetone	43		3.172				ND	
26 Carbon disulfide	76		3.282				ND	U
27 Methyl acetate	43		3.453				ND	
30 Methylene Chloride	84		3.556				ND	
32 Methyl tert-butyl ether	73		3.745				ND	
34 trans-1,2-Dichloroethene	96		3.764				ND	
39 1,1-Dichloroethane	63		4.148				ND	
45 cis-1,2-Dichloroethene	96		4.635				ND	
43 2-Butanone (MEK)	43		4.660				ND	
50 Chloroform	83	4.897	4.898	-0.001	93	10780	0.7188	
51 1,1,1-Trichloroethane	97		5.001				ND	
52 Cyclohexane	56		5.013				ND	
55 Carbon tetrachloride	117		5.123				ND	
57 Benzene	78		5.306				ND	
58 1,2-Dichloroethane	62		5.361				ND	
62 Trichloroethene	95		5.800				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.897				ND	
65 1,2-Dichloropropane	63		6.001				ND	
68 Dichlorobromomethane	83		6.227				ND	
72 cis-1,3-Dichloropropene	75		6.556				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.653				ND	
74 Toluene	92		6.787				ND	
77 trans-1,3-Dichloropropene	75		6.995				ND	
79 1,1,2-Trichloroethane	83		7.153				ND	
81 Tetrachloroethene	166		7.214				ND	
80 2-Hexanone	43		7.306				ND	
83 Chlorodibromomethane	129	7.476	7.465	0.000	85	3608	0.3842	
84 Ethylene Dibromide	107		7.574				ND	
87 Chlorobenzene	112		7.934				ND	
88 Ethylbenzene	91		7.982				ND	
90 m-Xylene & p-Xylene	106		8.074				ND	
91 o-Xylene	106		8.409				ND	
92 Styrene	104		8.427				ND	
95 Bromoform	173	8.641	8.633	-0.006	88	1057	0.1763	
94 Isopropylbenzene	105		8.689				ND	
97 1,1,2,2-Tetrachloroethane	83		9.013				ND	
111 1,3-Dichlorobenzene	146		9.781				ND	
113 1,4-Dichlorobenzene	146		9.854				ND	
116 1,2-Dichlorobenzene	146		10.183				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.872				ND	
119 1,2,4-Trichlorobenzene	180		11.506				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00010 Amount Added: 1.00 Units: uL Run Reagent

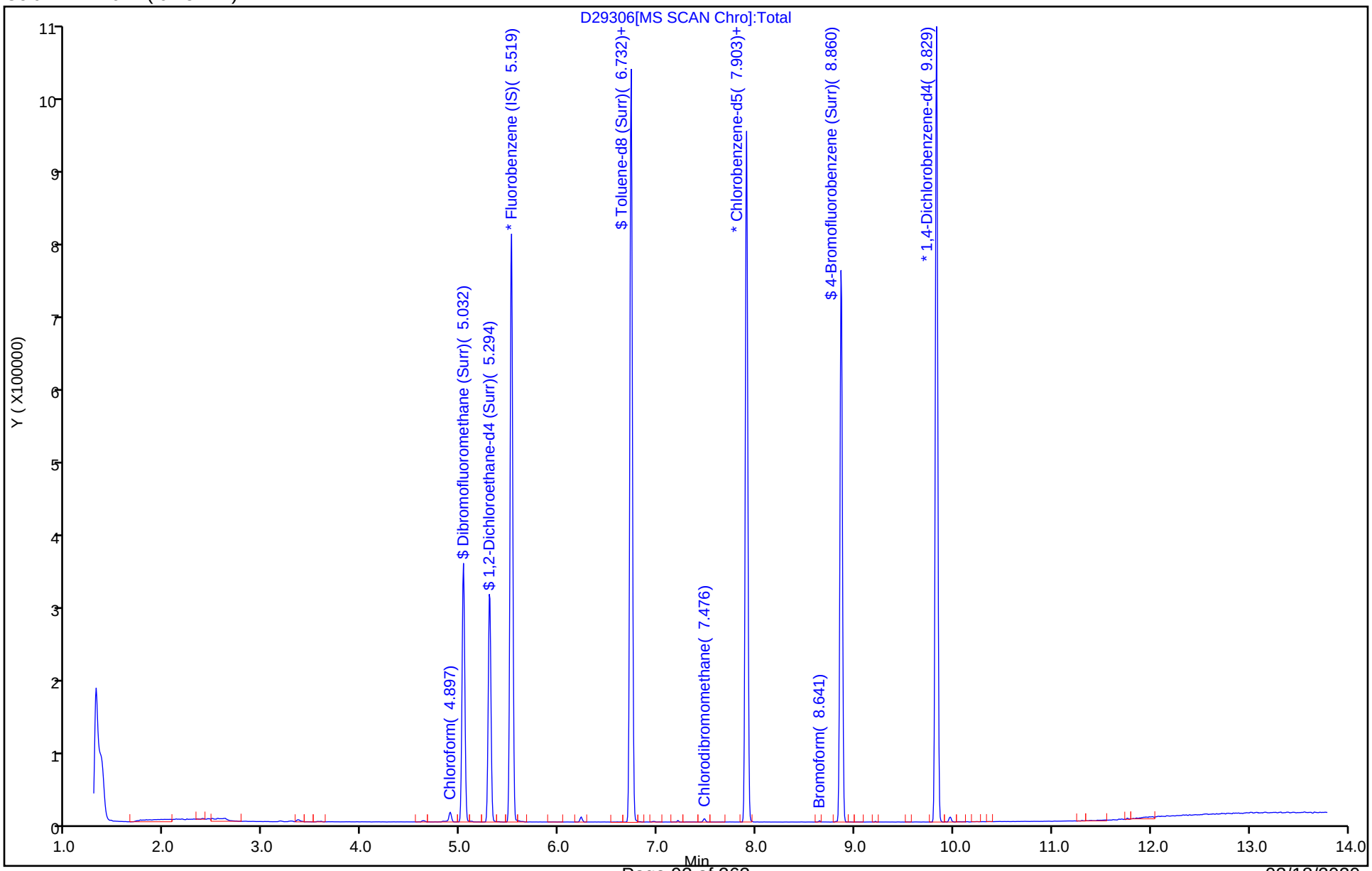
Report Date: 11-Mar-2020 15:38:03 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29306.D

Injection Date:	10-Mar-2020 15:55:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-167088-A-5	Lab Sample ID:	480-167088-5	Worklist Smp#:	21
Client ID:	EFFLUENT				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

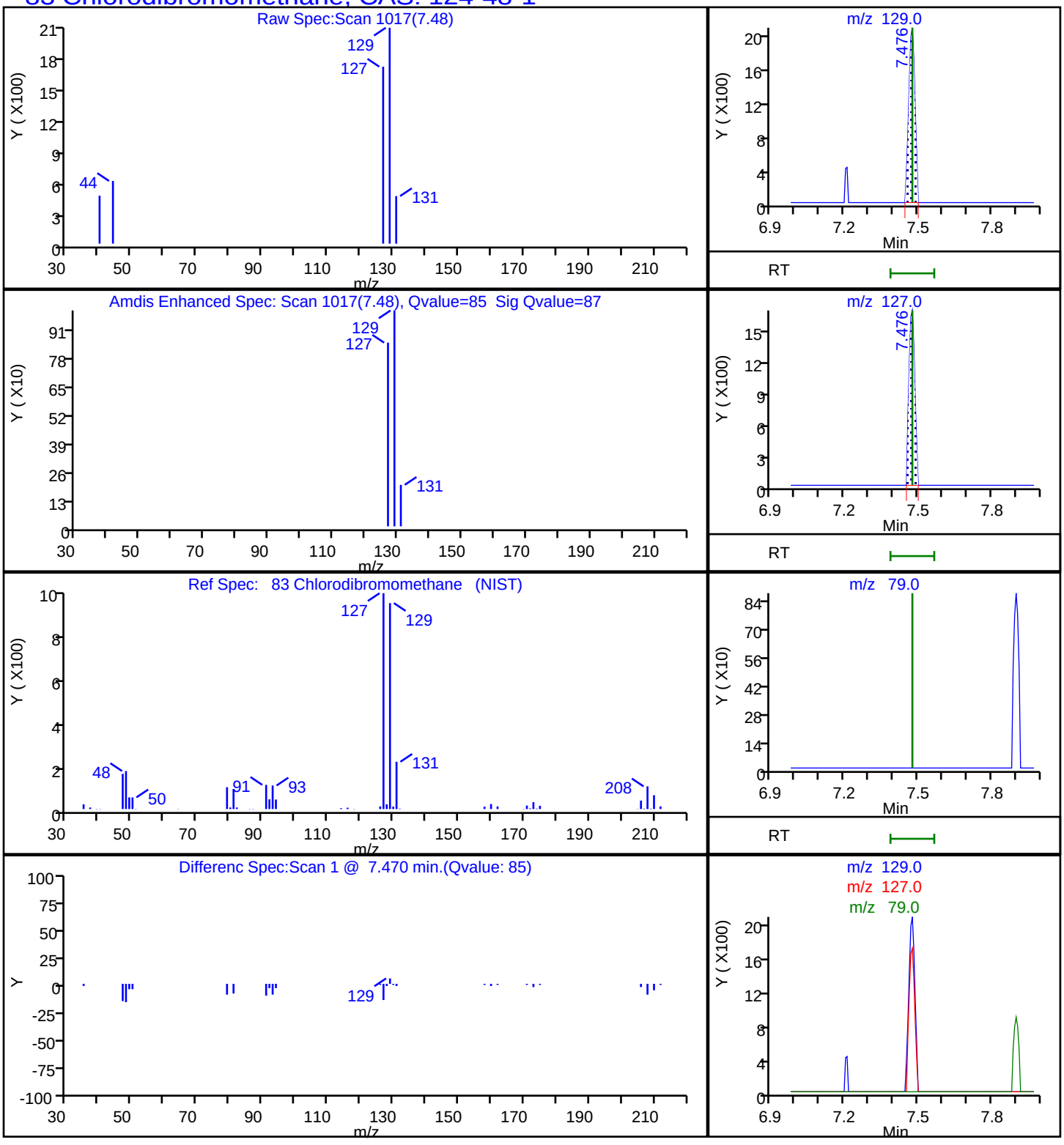


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29306.D

Injection Date:	10-Mar-2020 15:55:30	Instrument ID:	HP5975D
Lims ID:	480-167088-A-5	Lab Sample ID:	480-167088-5
Client ID:	EFFLUENT		
Operator ID:	OI	ALS Bottle#:	19 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

83 Chlorodibromomethane, CAS: 124-48-1

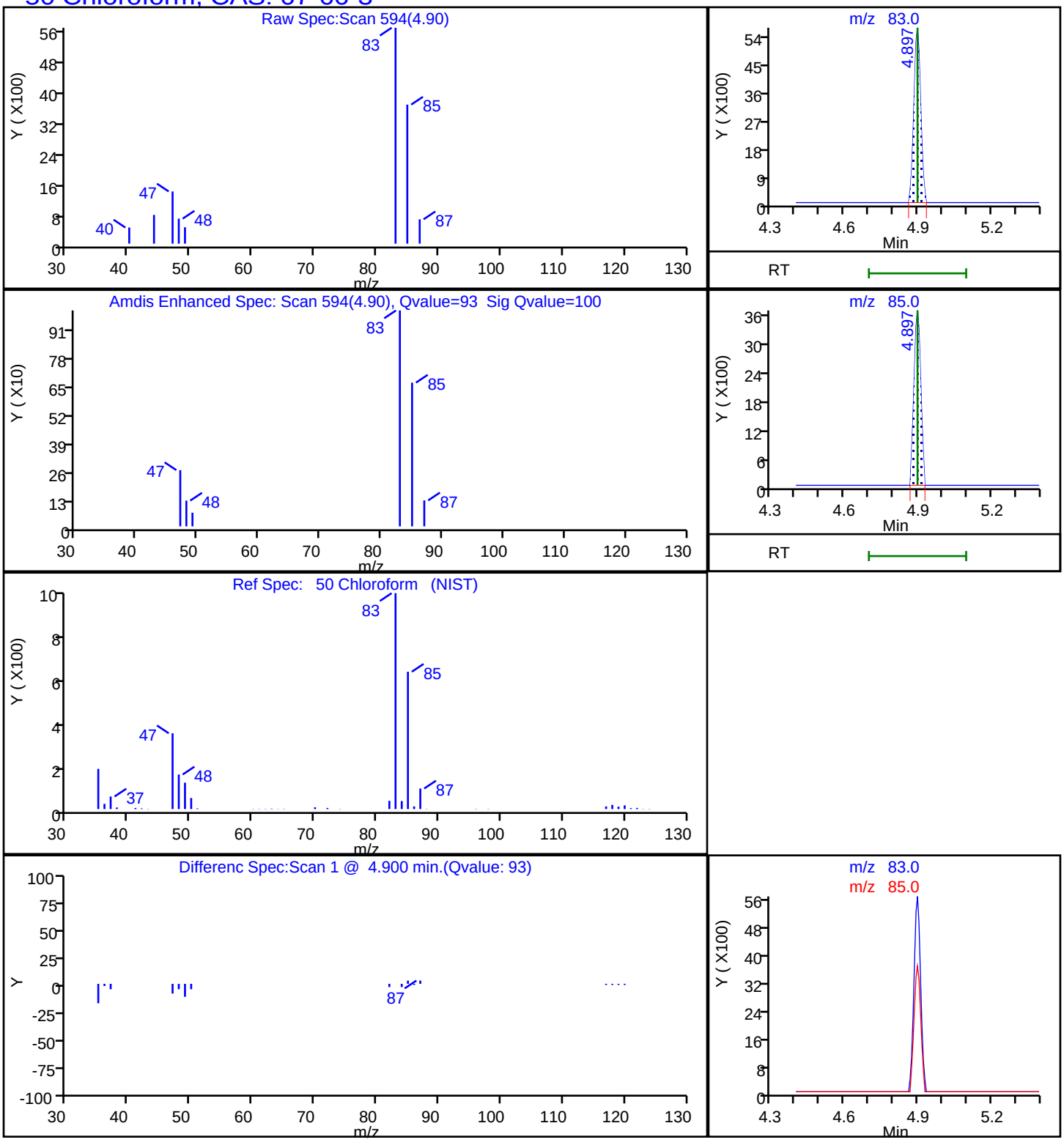


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29306.D

Injection Date:	10-Mar-2020 15:55:30	Instrument ID:	HP5975D
Lims ID:	480-167088-A-5	Lab Sample ID:	480-167088-5
Client ID:	EFFLUENT		
Operator ID:	OI	ALS Bottle#:	19 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

50 Chloroform, CAS: 67-66-3



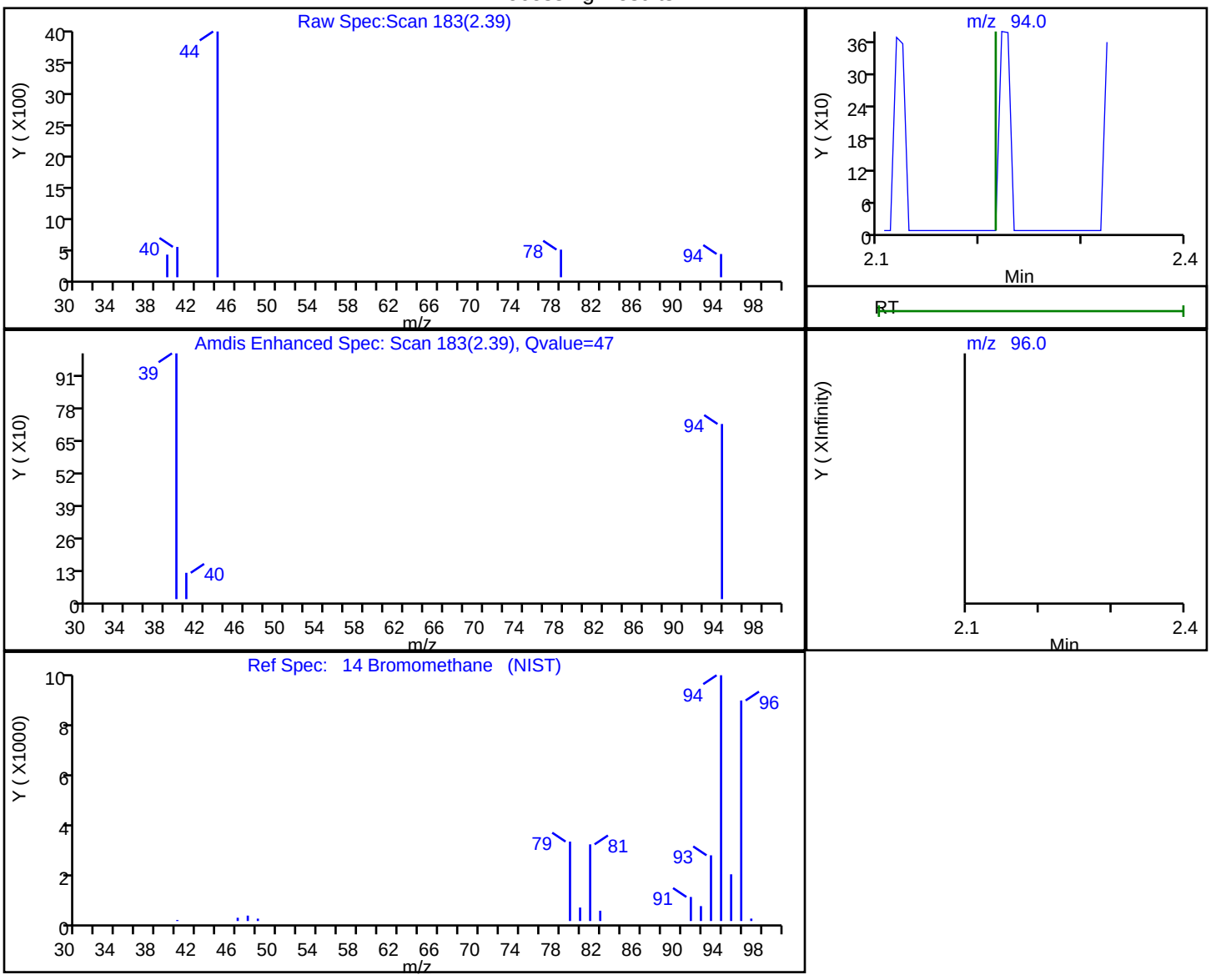
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29306.D				
Injection Date:	10-Mar-2020 15:55:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-5	Lab Sample ID:	480-167088-5		
Client ID:	EFFLUENT				
Operator ID:	OI	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.39	94.00	531	0.076149
2.22	96.00	0	

Reviewer: HillL, 11-Mar-2020 15:37:47

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

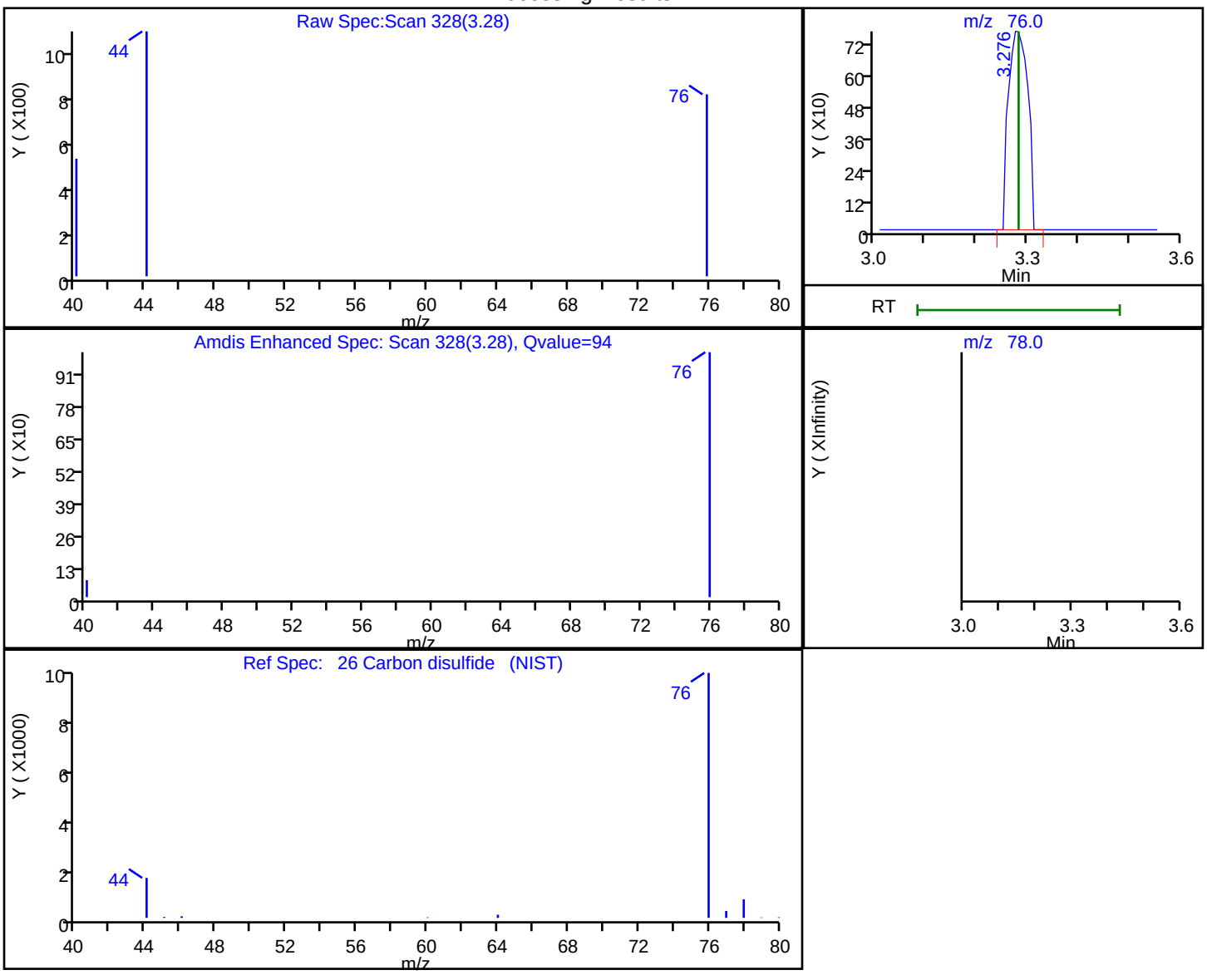
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29306.D				
Injection Date:	10-Mar-2020 15:55:30	Instrument ID:	HP5975D		
Lims ID:	480-167088-A-5	Lab Sample ID:	480-167088-5		
Client ID:	EFFLUENT				
Operator ID:	OI	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.28	76.00	2042	0.088786
3.28	78.00	0	

Reviewer: HillL, 11-Mar-2020 15:37:50

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-167088-6

Matrix: Water Lab File ID: D29307.D

Analysis Method: 8260C Date Collected: 03/05/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 16:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-167088-6

Matrix: Water Lab File ID: D29307.D

Analysis Method: 8260C Date Collected: 03/05/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 16:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29307.D
Lims ID: 480-167088-A-6
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 10-Mar-2020 16:18:30 ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-167088-A-6
Misc. Info.: 480-0088726-022
Operator ID: OI Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Mar-2020 15:38:03 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: HillL Date: 11-Mar-2020 15:38:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.519	5.525	-0.006	99	133355	25.0	
* 2 Chlorobenzene-d5	82	7.903	7.909	-0.006	85	289774	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.829	9.835	-0.006	94	318494	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.032	5.038	-0.006	93	203073	23.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.294	5.300	-0.006	98	106413	23.3	
$ 5 Toluene-d8 (Surr)	98	6.733	6.728	-0.007	93	684447	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	8.860	8.852	-0.006	94	236042	24.2	
10 Dichlorodifluoromethane	85		1.508				ND	
12 Chloromethane	50		1.734				ND	
13 Vinyl chloride	62		1.849				ND	
14 Bromomethane	94		2.215				ND	
15 Chloroethane	64		2.307				ND	
17 Trichlorofluoromethane	101		2.557				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.063				ND	
22 1,1-Dichloroethene	96		3.075				ND	
23 Acetone	43		3.172				ND	
26 Carbon disulfide	76		3.282				ND	
27 Methyl acetate	43		3.453				ND	
30 Methylene Chloride	84		3.556				ND	
32 Methyl tert-butyl ether	73		3.745				ND	
34 trans-1,2-Dichloroethene	96		3.764				ND	
39 1,1-Dichloroethane	63		4.148				ND	
45 cis-1,2-Dichloroethene	96		4.635				ND	
43 2-Butanone (MEK)	43		4.660				ND	
50 Chloroform	83		4.898				ND	
51 1,1,1-Trichloroethane	97		5.001				ND	
52 Cyclohexane	56		5.013				ND	
55 Carbon tetrachloride	117		5.123				ND	
57 Benzene	78		5.306				ND	
58 1,2-Dichloroethane	62		5.361				ND	
62 Trichloroethene	95		5.800				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.897				ND	
65 1,2-Dichloropropane	63		6.001				ND	
68 Dichlorobromomethane	83		6.227				ND	
72 cis-1,3-Dichloropropene	75		6.556				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.653				ND	
74 Toluene	92		6.787				ND	
77 trans-1,3-Dichloropropene	75		6.995				ND	
79 1,1,2-Trichloroethane	83		7.153				ND	
81 Tetrachloroethene	166		7.214				ND	
80 2-Hexanone	43		7.306				ND	
83 Chlorodibromomethane	129		7.476				ND	
84 Ethylene Dibromide	107		7.574				ND	
87 Chlorobenzene	112		7.934				ND	
88 Ethylbenzene	91		7.982				ND	
90 m-Xylene & p-Xylene	106		8.074				ND	
91 o-Xylene	106		8.409				ND	
92 Styrene	104		8.427				ND	
95 Bromoform	173		8.647				ND	
94 Isopropylbenzene	105		8.689				ND	
97 1,1,2,2-Tetrachloroethane	83		9.013				ND	
111 1,3-Dichlorobenzene	146		9.781				ND	
113 1,4-Dichlorobenzene	146		9.854				ND	
116 1,2-Dichlorobenzene	146		10.183				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.872				ND	
119 1,2,4-Trichlorobenzene	180		11.506				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

D 8260 IS/SUR_00010 Amount Added: 1.00 Units: uL Run Reagent

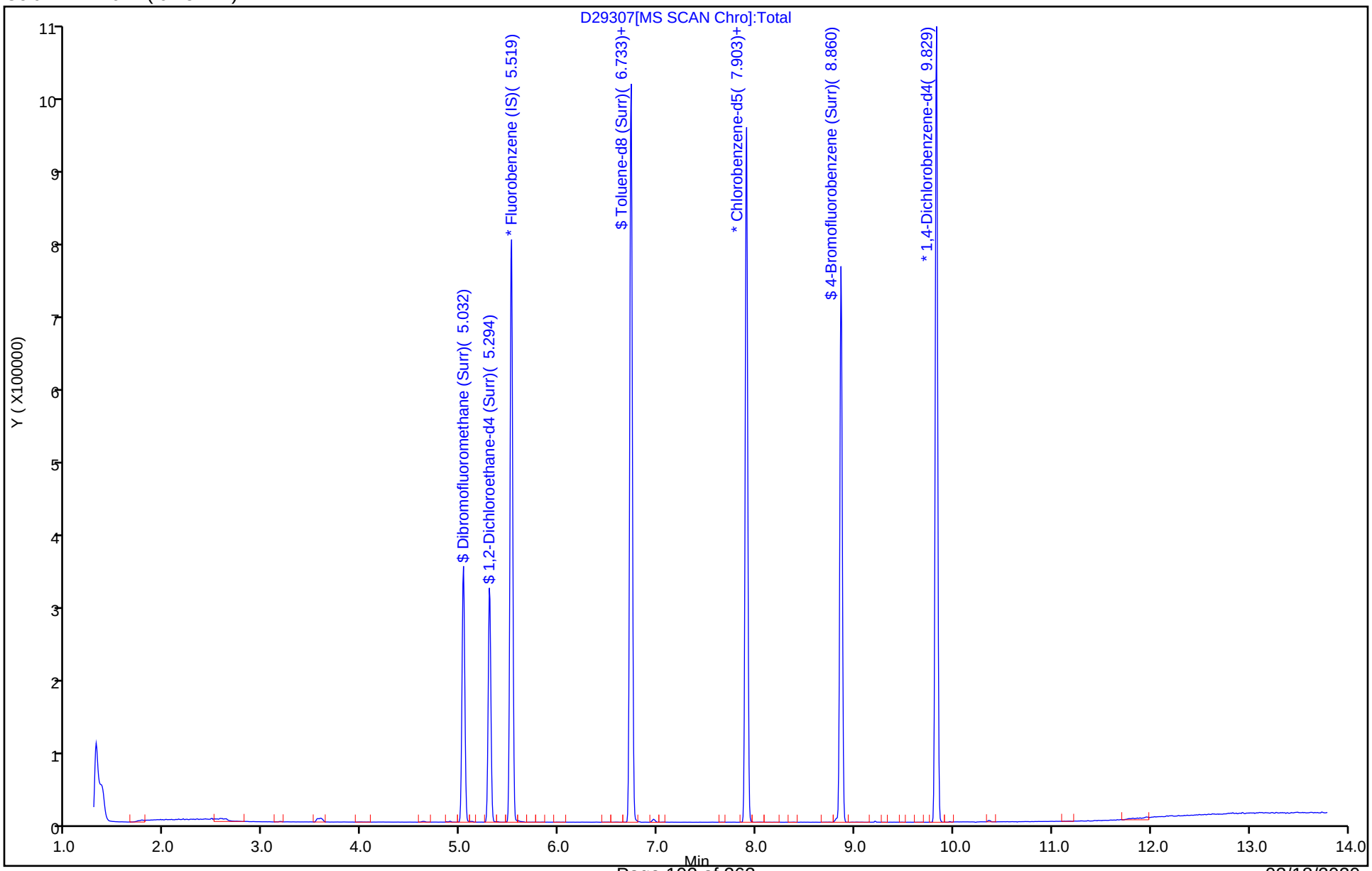
Report Date: 11-Mar-2020 15:38:18 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29307.D

Injection Date:	10-Mar-2020 16:18:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-167088-A-6	Lab Sample ID:	480-167088-6	Worklist Smp#:	22
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-514167/7	D2183.D
Level 2	IC 480-514167/8	D2184.D
Level 3	IC 480-514167/9	D2185.D
Level 4	IC 480-514167/10	D2186.D
Level 5	IC 480-514167/11	D2187.D
Level 6	ICIS 480-514167/12	D2188.D
Level 7	IC 480-514167/13	D2189.D
Level 8	IC 480-514167/14	D2190.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.9435	1.5759 1.7186	1.7852 1.5723	1.7898	1.7998	Ave		1.7407			0.1000	7.6		20.0			
Chloromethane	2.6100 2.1201	2.4265 1.9887	2.3218 1.9175	2.2119	2.1662	Ave		2.2203			0.1000	10.3		20.0			
Butadiene	2.1669 1.7309	1.7980 1.5595	1.8397 1.4336	1.7028	1.6601	Ave		1.7364				12.5		20.0			
Vinyl chloride	1.4854 1.9605	1.7944 1.8058	1.9197 1.7178	1.8678	1.8990	Ave		1.8063			0.1000	8.4		20.0			
Bromomethane	1.3734 1.3146	1.3893 1.1685	1.2803 1.2437	1.3576	1.2386	Ave		1.2958			0.1000	5.9		20.0			
Chloroethane	1.2551 1.0483	1.1642 0.9716	1.1044 0.9328	1.0549	1.0563	Ave		1.0735			0.1000	9.6		20.0			
Dichlorofluoromethane	2.3893 2.7281	2.5756 2.5591	2.7126 2.4656	2.9054	2.8123	Ave		2.6435				6.7		20.0			
Trichlorofluoromethane	+++++ 2.4495	2.0630 2.2039	2.3647 2.0042	2.2526	2.2836	Ave		2.2316			0.1000	7.1		20.0			
Ethyl ether	1.1254 1.1073	1.0855 1.0985	1.1127 1.0689	1.1513	1.1237	Ave		1.1092				2.3		20.0			
Acrolein	0.2756 0.2350	0.2384 0.2313	0.2352 0.2286	0.2423	0.2392	Ave		0.2407				6.1		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.9889 1.4013	1.2242 1.3767	1.3732 1.2325	1.5038	1.1301	Ave		1.2788			0.1000	13.1		20.0			
1,1-Dichloroethene	1.1186 1.2779	1.2498 1.2444	1.3028 1.1725	1.3993	1.1217	Ave		1.2359			0.1000	7.7		20.0			
Acetone	+++++ 0.4359	0.5280 0.4250	0.4986 0.4094	0.4746	0.4781	Ave		0.4642			0.1000	9.2		20.0			
Iodomethane	2.8109 3.0320	2.8580 2.9296	2.9781 2.8083	3.2271	2.8790	Ave		2.9403				4.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.1927 4.4307	4.2095 4.2688	4.4956 4.0121	4.5190	4.0612	Ave		4.2737			0.1000	4.5		20.0			
Allyl chloride	2.0490 2.2834	2.1160 2.1758	2.2919 1.9993	2.4025	2.1569	Ave		2.1843				6.2		20.0			
Methyl acetate	+++++ 0.9769	1.1686 0.9519	1.0594 0.9396	1.0533	1.0112	Ave		1.0230			0.1000	7.8		20.0			
Methylene Chloride	3.5500 1.5253	2.4835 1.4571	1.9688 1.3924	1.7403	1.5737	Lin1	0.9916	1.4197			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.1460 0.1588	0.1452 0.1569	0.1574 0.1530	0.1602	0.1669	Ave		0.1555				4.7		20.0			
Methyl tert-butyl ether	3.5243 3.7190	3.5906 3.6906	3.6303 3.5575	3.7380	3.8000	Ave		3.6563			0.1000	2.6		20.0			
trans-1,2-Dichloroethene	1.3220 1.4762	1.3829 1.4312	1.4683 1.3816	1.5800	1.3905	Ave		1.4291			0.1000	5.5		20.0			
Acrylonitrile	0.4722 0.4646	0.4497 0.4551	0.4681 0.4431	0.4904	0.4851	Ave		0.4660				3.5		20.0			
Hexane	1.7685 1.8880	1.7850 1.8406	1.8921 1.6457	2.0724	1.5437	Ave		1.8045				9.0		20.0			
1,1-Dichloroethane	2.4836 2.6388	2.6558 2.5736	2.7090 2.4733	2.7609	2.5415	Ave		2.6046			0.2000	4.0		20.0			
Vinyl acetate	2.3158 2.9184	2.5199 2.9332	2.4294 2.8936	2.6999	2.8373	Ave		2.6935				9.0		20.0			
2,2-Dichloropropane	1.4379 1.5478	1.4882 1.4963	1.5553 1.3685	1.5120	1.4205	Ave		1.4783				4.4		20.0			
cis-1,2-Dichloroethene	1.5162 1.6266	1.6134 1.6077	1.6553 1.5445	1.7197	1.5904	Ave		1.6092			0.1000	3.9		20.0			
2-Butanone (MEK)	0.7988 0.6206	0.7030 0.6090	0.6794 0.5953	0.6766	0.6541	Ave		0.6671			0.1000	9.8		20.0			
Chlorobromomethane	0.8297 0.9455	0.9405 0.9301	0.9353 0.9069	0.9910	0.9480	Ave		0.9284				5.0		20.0			
Tetrahydrofuran	1.1932 0.4059	0.7226 0.3921	0.5526 0.3773	0.4715	0.4463	Lin1	0.6896	0.3818							0.9990		0.9900
Chloroform	3.1410 2.7029	2.8150 2.6521	2.8508 2.5504	2.9091	2.6735	Ave		2.7869			0.2000	6.6		20.0			
1,1,1-Trichloroethane	2.0498 2.3676	2.1434 2.3043	2.3490 2.1765	2.5139	2.1554	Ave		2.2575			0.1000	6.7		20.0			
Cyclohexane	2.0216 2.2961	2.0640 2.2380	2.2754 2.0093	2.4481	1.8477	Ave		2.1500			0.1000	9.1		20.0			
Carbon tetrachloride	1.9331 2.2763	2.1302 2.2393	2.2329 2.1271	2.3718	1.9938	Ave		2.1631			0.1000	6.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.7937 1.9475	1.9143 1.8952	1.9492 1.8048	2.0596	1.7581	Ave		1.8903				5.3		20.0			
Isobutyl alcohol	0.0720 0.0639	0.0668 0.0635	0.0662 0.0612	0.0660	0.0686	Ave		0.0660				5.0		20.0			
Benzene	5.2814 5.2942	5.1457 5.1820	5.3996 4.9811	5.5556	5.1034	Ave		5.2429			0.5000	3.4		20.0			
1,2-Dichloroethane	2.4259 2.1538	2.3006 2.1382	2.2647 2.0280	2.3019	2.1952	Ave		2.2261			0.1000	5.5		20.0			
n-Heptane	1.9673 1.8541	1.9619 1.8550	1.9601 1.6617	2.0458	1.5942	Ave		1.8625				8.5		20.0			
Trichloroethene	1.4699 1.5871	1.5237 1.5664	1.6078 1.4921	1.6629	1.4953	Ave		1.5506			0.2000	4.3		20.0			
Methylcyclohexane	1.5688 2.1837	1.8725 2.1590	2.1468 1.9340	2.3489	1.7976	Ave		2.0014			0.1000	12.7		20.0			
1,2-Dichloropropane	1.3911 1.4098	1.4003 1.4135	1.3890 1.3439	1.4615	1.4060	Ave		1.4019			0.1000	2.3		20.0			
1,4-Dioxane	+++++ 0.0052	0.0039 0.0056	0.0054 0.0055	0.0058	0.0061	Ave		0.0054				13.3		20.0			
Dibromomethane	0.9455 1.0245	1.0015 1.0077	1.0029 0.9660	1.0554	1.0218	Ave		1.0032			0.1000	3.4		20.0			
Bromodichloromethane	1.9677 2.0873	2.0256 2.0722	2.0405 2.0056	2.1372	2.0310	Ave		2.0459			0.2000	2.6		20.0			
2-Chloroethyl vinyl ether	0.6275 0.7254	0.6973 0.6561	0.6363 0.6923	0.7178	0.6993	Ave		0.6815				5.4		20.0			
cis-1,3-Dichloropropene	2.0557 2.3072	2.1493 2.3164	2.2246 2.2253	2.3324	2.2586	Ave		2.2337			0.2000	4.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.6512 0.6112	0.6296 0.5793	0.6503 0.5662	0.6751	0.6776	Ave		0.6301			0.1000	6.6		20.0			
Toluene	1.5129 1.5645	1.5254 1.5704	1.5912 1.5152	1.6673	1.5205	Ave		1.5584			0.4000	3.4		20.0			
trans-1,3-Dichloropropene	0.8573 0.9825	0.9146 0.9980	0.9121 0.9762	0.9749	0.9793	Ave		0.9494			0.1000	5.2		20.0			
Ethyl methacrylate	0.6999 0.7040	0.7109 0.6824	0.7422 0.6801	0.7687	0.7615	Ave		0.7187				4.8		20.0			
1,1,2-Trichloroethane	0.4728 0.4790	0.4463 0.4740	0.4727 0.4613	0.5066	0.4868	Ave		0.4750			0.1000	3.7		20.0			
Tetrachloroethene	0.6570 0.7834	0.7458 0.7857	0.7845 0.7494	0.8395	0.7331	Ave		0.7598			0.2000	7.0		20.0			
1,3-Dichloropropane	0.8712 0.8913	0.8828 0.8887	0.9058 0.8653	0.9559	0.9090	Ave		0.8962				3.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.4561 0.4459	0.4459 0.4120	0.4707 0.3991	0.4880	0.4923	Ave		0.4513			0.1000	7.4		20.0			
Dibromochloromethane	0.7690 0.8319	0.7500 0.8458	0.7994 0.8346	0.8492	0.8352	Ave		0.8144			0.1000	4.6		20.0			
1,2-Dibromoethane	0.6288 0.6644	0.6314 0.6620	0.6563 0.6495	0.6970	0.6871	Ave		0.6596				3.6		20.0			
Chlorobenzene	1.8371 1.9136	1.8677 1.9116	1.9343 1.8463	2.0487	1.9002	Ave		1.9075			0.5000	3.5		20.0			
Ethylbenzene	2.8653 2.9738	2.9505 2.9081	3.0161 2.8522	3.1369	2.8636	Ave		2.9458			0.1000	3.3		20.0			
1,1,1,2-Tetrachloroethane	0.6465 0.7699	0.6857 0.7697	0.7636 0.7486	0.7848	0.7628	Ave		0.7414				6.6		20.0			
m,p-Xylene	1.1010 1.1949	1.1584 1.1750	1.2397 1.1543	1.2559	1.1664	Ave		1.1807			0.1000	4.2		20.0			
o-Xylene	1.0865 1.1838	1.1717 1.1672	1.2023 1.1505	1.2496	1.1582	Ave		1.1712			0.3000	4.0		20.0			
Styrene	1.8509 1.9762	1.8180 1.9495	1.9712 1.9532	2.0673	1.9571	Ave		1.9429			0.3000	4.0		20.0			
Bromoform	0.4814 0.5405	0.4717 0.5441	0.5028 0.5523	0.5274	0.5379	Ave		0.5198			0.1000	5.9		20.0			
Isopropylbenzene	2.4006 2.7739	2.5686 2.7646	2.7010 2.6479	2.8535	2.5777	Ave		2.6610			0.1000	5.4		20.0			
Bromobenzene	0.7744 0.8274	0.7593 0.8206	0.7945 0.8084	0.8357	0.8137	Ave		0.8043				3.3		20.0			
1,1,2,2-Tetrachloroethane	0.6703 0.6962	0.6713 0.6814	0.6628 0.6658	0.7098	0.7109	Ave		0.6836			0.3000	2.9		20.0			
N-Propylbenzene	2.9534 3.2630	3.1163 3.1822	3.3140 3.0966	3.3811	3.0534	Ave		3.1700				4.5		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2145	0.1676 0.2133	0.1852 0.2139	0.2079	0.2139	Ave		0.2023				9.2		20.0			
1,2,3-Trichloropropane	0.1420 0.1999	0.1913 0.1913	0.1984 0.1891	0.2071	0.2086	Ave		0.1910				11.0		20.0			
2-Chlorotoluene	0.6691 0.7258	0.6800 0.7240	0.7318 0.7058	0.7476	0.7028	Ave		0.7109				3.7		20.0			
1,3,5-Trimethylbenzene	2.0996 2.4356	2.2536 2.4034	2.3752 2.3245	2.4904	2.3141	Ave		2.3370				5.2		20.0			
4-Chlorotoluene	0.6653 0.7633	0.7385 0.7529	0.7702 0.7324	0.7849	0.7339	Ave		0.7427				4.9		20.0			
tert-Butylbenzene	0.4092 0.5080	0.4327 0.5068	0.4952 0.4908	0.5157	0.4809	Ave		0.4799				8.0		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.1795 2.4769	2.2535 2.4430	2.4479 2.3780	2.5568	2.3986	Ave		2.3918				5.1		20.0			
sec-Butylbenzene	2.5843 3.1099	2.7658 3.0921	3.1061 2.9440	3.1927	2.8631	Ave		2.9572				7.0		20.0			
4-Isopropyltoluene	2.2409 2.7717	2.4147 2.7265	2.6483 2.6189	2.8598	2.5954	Ave		2.6095				7.6		20.0			
1,3-Dichlorobenzene	1.4378 1.5361	1.4264 1.5034	1.5168 1.4647	1.5655	1.5120	Ave		1.4953			0.6000	3.2		20.0			
1,4-Dichlorobenzene	1.4764 1.5533	1.5495 1.5181	1.5616 1.4853	1.6106	1.5355	Ave		1.5363			0.5000	2.8		20.0			
n-Butylbenzene	2.0062 2.4829	2.2157 2.4193	2.4324 2.3160	2.5234	2.3263	Ave		2.3403				7.2		20.0			
1,2-Dichlorobenzene	1.3780 1.5318	1.4279 1.5040	1.5229 1.4594	1.5792	1.5442	Ave		1.4934			0.4000	4.5		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1403	0.1176 0.1431	0.1217 0.1390	0.1396	0.1435	Ave		0.1350			0.0500	7.9		20.0			
1,2,4-Trichlorobenzene	1.0702 1.2251	1.0428 1.2162	1.1265 1.1597	1.1859	1.1915	Ave		1.1522			0.2000	5.8		20.0			
Hexachlorobutadiene	0.4358 0.5751	0.4997 0.5818	0.5622 0.5480	0.5771	0.5338	Ave		0.5392				9.3		20.0			
Naphthalene	2.4073 2.6989	2.3033 2.7334	2.4772 2.6227	2.6194	2.7078	Ave		2.5712				6.1		20.0			
1,2,3-Trichlorobenzene	0.9636 1.1606	0.9887 1.1670	1.0722 1.0995	1.1387	1.1483	Ave		1.0923				7.2		20.0			
Dibromofluoromethane (Surr)	1.6403 1.6400	1.6158 1.6115	1.6051 1.5871	1.6371	1.6441	Ave		1.6226				1.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8739 0.8588	0.8626 0.8376	0.8535 0.8333	0.8661	0.8577	Ave		0.8555				1.6		20.0			
Toluene-d8 (Surr)	2.3270 2.3319	2.3346 2.3482	2.3076 2.3320	2.3433	2.3499	Ave		2.3343				0.6		20.0			
4-Bromofluorobenzene (Surr)	0.8483 0.8391	0.8498 0.8180	0.8485 0.8445	0.8411	0.8440	Ave		0.8417				1.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-514167/7	D2183.D
Level 2	IC 480-514167/8	D2184.D
Level 3	IC 480-514167/9	D2185.D
Level 4	IC 480-514167/10	D2186.D
Level 5	IC 480-514167/11	D2187.D
Level 6	ICIS 480-514167/12	D2188.D
Level 7	IC 480-514167/13	D2189.D
Level 8	IC 480-514167/14	D2190.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 289133	9325 529349	21503 975336	52475	107175	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	6197 315404	14358 612518	27966 1189448	64850	128994	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	5145 257499	10639 480324	22159 889301	49924	98855	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	3527 291651	10618 556197	23123 1065567	54761	113081	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3261 195568	8221 359895	15421 771487	39804	73758	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2980 155948	6889 299262	13303 578649	30927	62902	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	5673 405852	15240 788229	32673 1529473	85181	167469	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 364408	12207 678816	28483 1243231	66042	135988	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	2672 164732	6423 338350	13403 663067	33755	66917	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3272 174830	7054 356141	14164 709122	35520	71220	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2348 208461	7244 424036	16540 764566	44090	67295	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	2656 190107	7395 383273	15692 727346	41024	66797	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++ 324255	15622 654519	30031 1269809	69574	142361	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	6674 451054	16911 902330	35871 1742026	94614	171441	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	9955 659143	24908 1314824	54150 2488813	132489	241841	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	4865 339689	12521 670148	27606 1240243	70438	128439	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	+++++ 290658	13829 586373	25522 1165686	61765	120431	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	8429 226917	14695 448796	23715 863751	51022	93711	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	3466 236187	8590 483398	18955 948823	46976	99403	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	8368 553257	21246 1136722	43727 2206798	109592	226284	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3139 219606	8183 440819	17686 857070	46323	82802	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	11212 691184	26610 1401655	56383 2748808	143788	288855	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	4199 280877	10562 566912	22791 1020898	60760	91925	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5897 392566	15715 792691	32630 1534228	80944	151341	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	10997 868325	29821 1806916	58526 3589976	158314	337920	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3414 230254	8806 460874	18734 848902	44329	84589	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3600 241979	9547 495171	19938 958080	50420	94709	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	9483 461620	20799 937853	40918 1846264	99191	194751	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1970 140654	5565 286490	11266 562556	29055	56453	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Lin1	5666 120782	8552 241538	13312 468053	27650	53153	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	7458 402102	16657 816852	34338 1582073	85291	159204	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	4867 352213	12683 709727	28294 1350130	73703	128350	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	4800 341577	12213 689321	27407 1246391	71774	110031	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4590 338643	12605 689712	26895 1319463	69538	118728	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	4259 289718	11327 583732	23478 1119531	60383	104693	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	4271 237733	9884 488998	19942 948717	48349	102072	10.0 625	25.0 1250	50.0 2500	125	250

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	12540 787595	30448 1596094	65039 3089886	162881	303899	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	5760 320418	13613 658588	27279 1258030	67489	130721	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	4671 275825	11609 571364	23610 1030775	59981	94933	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3490 236107	9016 482450	19366 925595	48754	89043	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	3725 324865	11080 664989	25859 1199699	68866	107045	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3303 209735	8286 435378	16731 833648	42849	83724	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 33890	1020 74301	2822 145366	7275	15753	+++++ 500	20.0 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	2245 152416	5926 310375	12080 599225	30942	60847	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	4672 310521	11986 638244	24578 1244110	62658	120944	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	1490 107910	4126 202096	7664 429429	21045	41644	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	4881 343228	12718 713451	26795 1380399	68383	134494	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	17072 987577	41330 1912796	84559 3742026	212718	435385	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	7933 505545	20027 1037003	41384 2002824	105069	195400	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	4495 317504	12008 659052	23723 1290419	61436	125854	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	3670 227498	9333 450629	19304 898932	48439	97867	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	2479 154777	5860 313007	12295 609816	31925	62566	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	3445 253146	9792 518855	20402 990622	52903	94207	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	4568 288003	11590 586877	23558 1143833	60238	116815	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	11959 720441	29273 1360175	61215 2637762	153748	316313	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	4032 268813	9846 558527	20790 1103230	53512	107336	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	3297 214687	8290 437166	17070 858553	43920	88305	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	9633 618373	24521 1262330	50307 2440552	129102	244204	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	15024 960958	38737 1920352	78443 3770141	197674	368011	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3390 248777	9002 508287	19859 989494	49456	98032	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	5773 386133	15209 775887	32243 1525793	79144	149894	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	5697 382544	15383 770742	31270 1520709	78743	148848	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	9705 638595	23868 1287315	51266 2581868	130275	251509	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	2524 174668	6193 359295	13077 729987	33237	69123	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	14322 993935	38446 1994068	80991 3874238	205494	376628	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	4620 296471	11365 591914	23825 1182729	60185	118887	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	3999 249457	10048 491520	19875 974091	51118	103877	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	17620 1169205	46644 2295315	99374 4530631	243485	446135	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 76873	2509 153838	5554 312932	14973	31260	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	847 71632	2863 137977	5949 276626	14917	30473	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	3992 260080	10178 522249	21944 1032625	53836	102687	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	12526 872737	33731 1733527	71224 3400956	179346	338111	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	3969 273494	11054 543081	23094 1071594	56525	107237	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	2441 182030	6477 365581	14850 718054	37137	70260	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	13003 887524	33730 1762125	73403 3479341	184128	350461	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	15418 1114322	41397 2230345	93139 4307417	229917	418330	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	13369 993139	36142 1966608	79412 3831785	205950	379212	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	8578 550412	21349 1084370	45483 2143073	112735	220920	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1 Analy Batch No.: 514167

SDG No.:

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

Calibration Start Date: 01/20/2020 14:46 Calibration End Date: 01/20/2020 17:27 Calibration ID: 38513

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	8808 556573	23192 1094974	46826 2173108	115983	224354	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	11969 889673	33163 1745033	72939 3388564	181722	339893	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	8221 548854	21372 1084814	45665 2135251	113724	225625	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 50261	1760 103244	3649 203368	10051	20965	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	6385 438975	15608 877248	33780 1696714	85400	174098	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	2600 206067	7480 419673	16859 801817	41558	77997	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	14362 967066	34474 1971572	74280 3837363	188634	395646	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	5749 415868	14799 841737	32151 1608745	82001	167784	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	243424 243975	239018 248172	241675 246129	239991	244767	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	129690 127766	127610 128989	128502 129235	126969	127684	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	762605 753539	766254 775299	750200 770625	738324	754979	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	277996 271152	278937 270095	275859 279083	265011	271167	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Jan-2020 14:46:30 ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0087606-007
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:05:47 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:29:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	148398	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	327717	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.811	0.006	97	372876	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.013	5.007	0.006	93	243424	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.275	5.275	0.000	99	129690	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	762605	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	277996	25.0	25.2	
10 Dichlorodifluoromethane	85	1.490	1.496	-0.006	90	2959	0.4000	0.2864	
12 Chloromethane	50	1.715	1.715	0.000	92	6197	0.4000	0.4702	
144 Butadiene	54	1.825	1.831	-0.006	87	5145	0.4000	0.4992	
13 Vinyl chloride	62	1.831	1.837	-0.006	80	3527	0.4000	0.3289	
14 Bromomethane	94	2.191	2.197	-0.006	78	3261	0.4000	0.4240	
15 Chloroethane	64	2.276	2.276	0.000	83	2980	0.4000	0.4677	
16 Dichlorofluoromethane	67	2.532	2.526	0.006	92	5673	0.4000	0.3615	
17 Trichlorofluoromethane	101	2.532	2.532	0.000	80	4499	0.4000	0.3396	
18 Ethyl ether	59	2.800	2.800	0.000	93	2672	0.4000	0.4058	
20 Acrolein	56	2.995	2.995	0.000	97	3272	2.00	2.29	Ma
21 1,1,2-Trichloro-1,2,2-trif	101	3.032	3.032	0.000	87	2348	0.4000	0.3093	
22 1,1-Dichloroethene	96	3.050	3.044	0.006	94	2656	0.4000	0.3621	
23 Acetone	43	3.154	3.148	0.006	98	7885	2.00	2.86	
25 Iodomethane	142	3.227	3.221	0.006	94	6674	0.4000	0.3824	
26 Carbon disulfide	76	3.264	3.257	0.007	99	9955	0.4000	0.3924	
28 3-Chloro-1-propene	41	3.386	3.385	0.001	85	4865	0.4000	0.3752	
27 Methyl acetate	43	3.434	3.428	0.006	99	7140	0.8000	1.18	
30 Methylene Chloride	84	3.562	3.532	0.030	95	8429	0.4000	0.3018	
31 2-Methyl-2-propanol	59	3.690	3.684	0.006	94	3466	4.00	3.75	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	97	8368	0.4000	0.3856	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	94	3139	0.4000	0.3700	
33 Acrylonitrile	53	3.800	3.794	0.006	93	11212	4.00	4.05	a
35 Hexane	57	3.904	3.904	0.000	89	4199	0.4000	0.3920	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	92	5897	0.4000	0.3814	
37 Vinyl acetate	43	4.160	4.154	0.006	98	10997	0.8000	0.6878	
44 2,2-Dichloropropane	77	4.580	4.580	0.000	0	3414	0.4000	0.3891	M
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	78	3600	0.4000	0.3769	
43 2-Butanone (MEK)	43	4.641	4.635	0.006	97	9483	2.00	2.39	
48 Chlorobromomethane	128	4.818	4.818	0.000	94	1970	0.4000	0.3575	
49 Tetrahydrofuran	42	4.843	4.836	0.007	87	5666	0.8000	0.6937	
50 Chloroform	83	4.879	4.873	0.006	95	7458	0.4000	0.4508	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	89	4867	0.4000	0.3632	
52 Cyclohexane	56	4.983	4.983	0.000	90	4800	0.4000	0.3761	
55 Carbon tetrachloride	117	5.099	5.092	0.007	92	4590	0.4000	0.3575	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	89	4259	0.4000	0.3796	
53 Isobutyl alcohol	43	5.269	5.263	0.006	0	4271	10.0	10.9	M
57 Benzene	78	5.282	5.281	0.001	89	12540	0.4000	0.4029	
58 1,2-Dichloroethane	62	5.336	5.336	0.000	93	5760	0.4000	0.4359	
59 n-Heptane	43	5.391	5.391	0.000	90	4671	0.4000	0.4225	
62 Trichloroethene	95	5.775	5.775	0.000	92	3490	0.4000	0.3792	
64 Methylcyclohexane	83	5.873	5.873	0.000	94	3725	0.4000	0.3135	a
65 1,2-Dichloropropane	63	5.976	5.976	0.000	88	3303	0.4000	0.3969	
66 1,4-Dioxane	88		6.086				ND	ND	
67 Dibromomethane	93	6.092	6.092	0.000	94	2245	0.4000	0.3770	
68 Dichlorobromomethane	83	6.208	6.208	0.000	93	4672	0.4000	0.3847	a
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	80	1490	0.4000	0.3683	a
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	91	4881	0.4000	0.3681	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	97	17072	2.00	2.07	
74 Toluene	92	6.763	6.763	0.000	98	7933	0.4000	0.3883	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	90	4495	0.4000	0.3612	
75 Ethyl methacrylate	69	6.982	6.982	0.000	84	3670	0.4000	0.3895	
79 1,1,2-Trichloroethane	83	7.135	7.129	0.006	87	2479	0.4000	0.3982	
81 Tetrachloroethene	166	7.190	7.190	0.000	91	3445	0.4000	0.3459	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	84	4568	0.4000	0.3888	
80 2-Hexanone	43	7.287	7.287	0.000	96	11959	2.00	2.02	
83 Chlorodibromomethane	129	7.458	7.458	0.000	85	4032	0.4000	0.3777	
84 Ethylene Dibromide	107	7.549	7.549	0.000	98	3297	0.4000	0.3813	
87 Chlorobenzene	112	7.909	7.909	0.000	97	9633	0.4000	0.3853	a
88 Ethylbenzene	91	7.958	7.958	0.000	98	15024	0.4000	0.3891	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	92	3390	0.4000	0.3488	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	97	5773	0.4000	0.3730	
91 o-Xylene	106	8.385	8.385	0.000	97	5697	0.4000	0.3711	
92 Styrene	104	8.409	8.409	0.000	94	9705	0.4000	0.3811	
95 Bromoform	173	8.628	8.628	0.000	91	2524	0.4000	0.3704	
94 Isopropylbenzene	105	8.671	8.671	0.000	95	14322	0.4000	0.3609	
101 Bromobenzene	156	8.982	8.982	0.000	93	4620	0.4000	0.3851	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	88	3999	0.4000	0.3922	
99 N-Propylbenzene	91	9.012	9.012	0.000	99	17620	0.4000	0.3727	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	0	627	0.4000	0.2078	M
100 1,2,3-Trichloropropane	110	9.037	9.031	0.006	85	847	0.4000	0.2974	
103 2-Chlorotoluene	126	9.122	9.122	0.000	95	3992	0.4000	0.3765	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	93	12526	0.4000	0.3594	
105 4-Chlorotoluene	126	9.214	9.214	0.000	96	3969	0.4000	0.3583	
106 tert-Butylbenzene	134	9.427	9.427	0.000	92	2441	0.4000	0.3410	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	95	13003	0.4000	0.3645	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	15418	0.4000	0.3496	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	95	13369	0.4000	0.3435	
111 1,3-Dichlorobenzene	146	9.762	9.756	0.006	96	8578	0.4000	0.3846	
113 1,4-Dichlorobenzene	146	9.835	9.835	0.000	95	8808	0.4000	0.3844	a
115 n-Butylbenzene	91	10.079	10.079	0.000	97	11969	0.4000	0.3429	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	94	8221	0.4000	0.3691	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	1	521	0.4000	0.2588	
119 1,2,4-Trichlorobenzene	180	11.488	11.488	0.000	92	6385	0.4000	0.3715	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	89	2600	0.4000	0.3233	
121 Naphthalene	128	11.701	11.701	0.000	97	14362	0.4000	0.3745	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	94	5749	0.4000	0.3529	a
S 126 1,3-Dichloropropene, Total	1				0			0.7293	
S 125 1,2-Dichloroethene, Total	1				0			0.7469	
S 124 Xylenes, Total	1				0			0.7441	
S 123 Total BTEX	1				0			1.92	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00177	Amount Added:	0.40	Units: uL	
GAS CORP mix_00379	Amount Added:	0.40	Units: uL	
D 8260 IS/SUR_00008	Amount Added:	1.00	Units: uL	Run Reagent

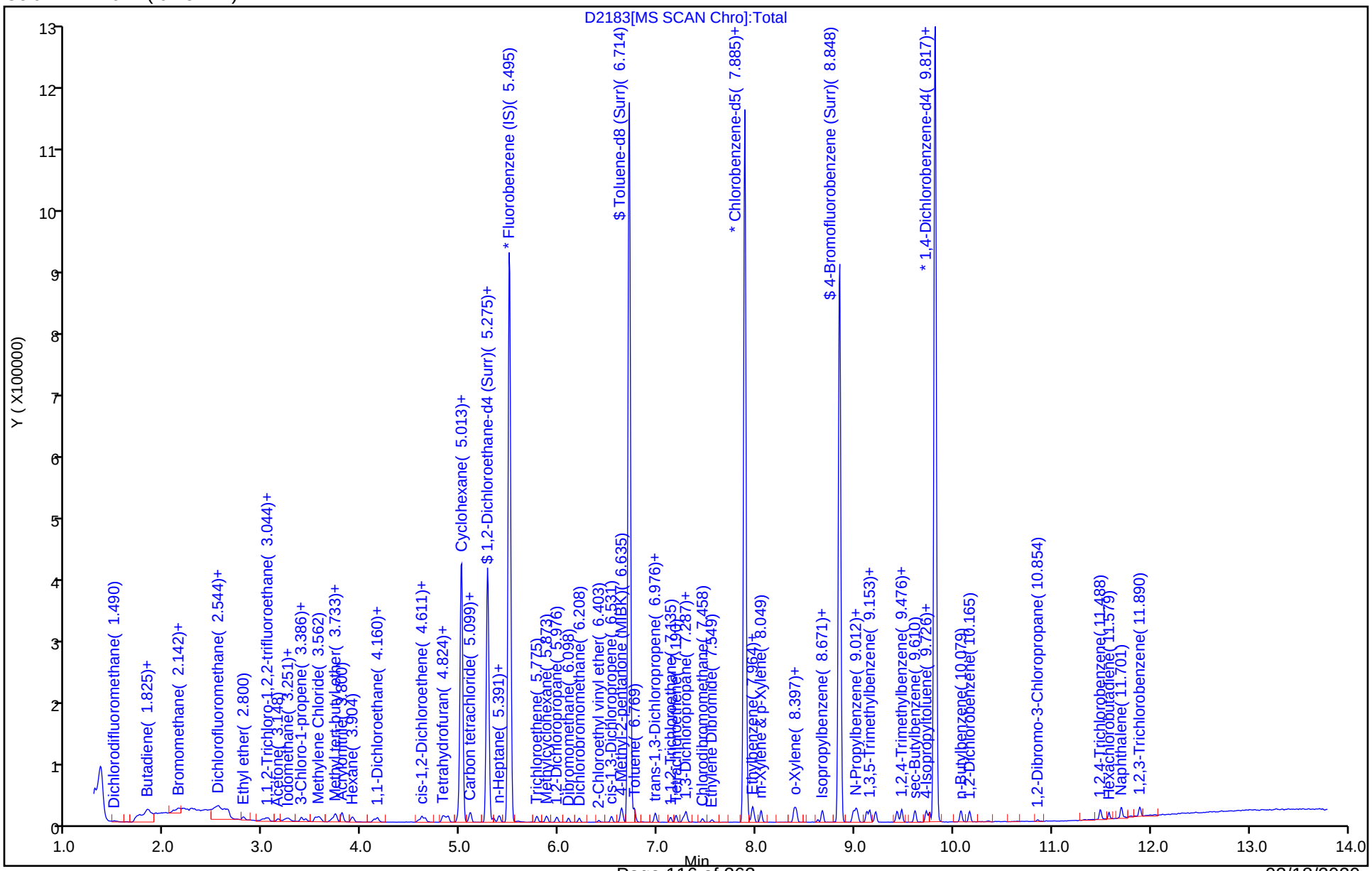
Report Date: 27-Jan-2020 11:05:52 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D

Injection Date:	20-Jan-2020 14:46:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 0.4			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

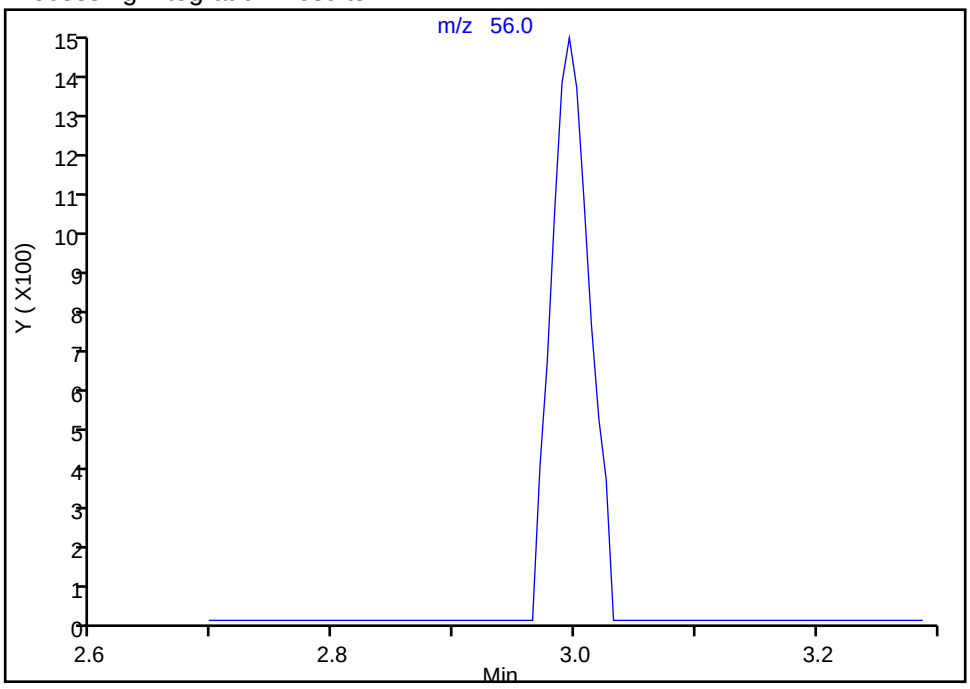
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

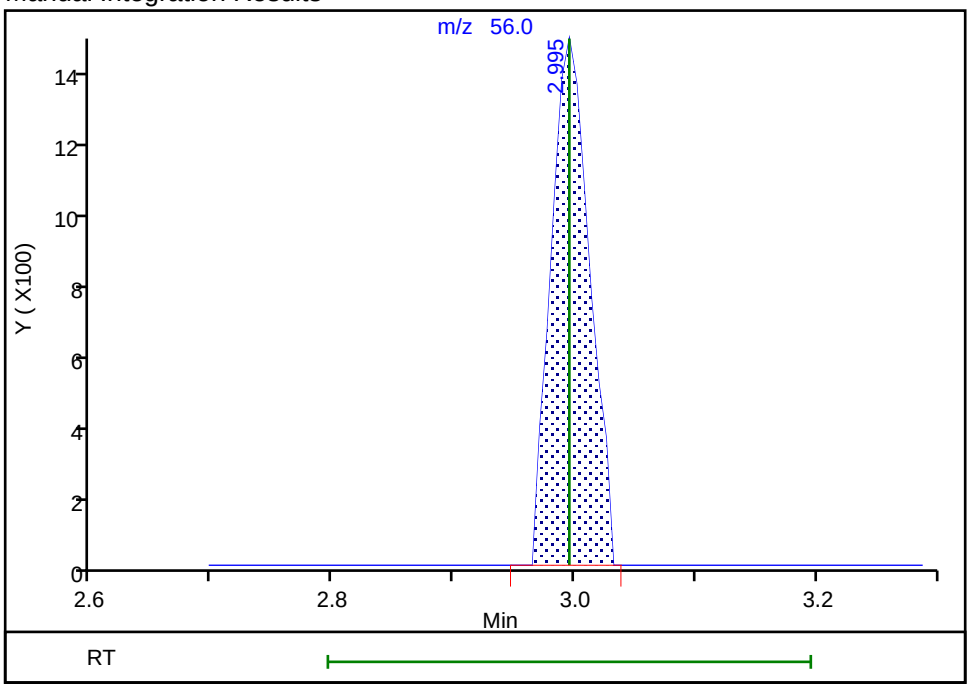
Not Detected
Expected RT: 3.00

Processing Integration Results



Manual Integration Results

RT: 3.00
Area: 3272
Amount: 2.290016
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:28:31
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

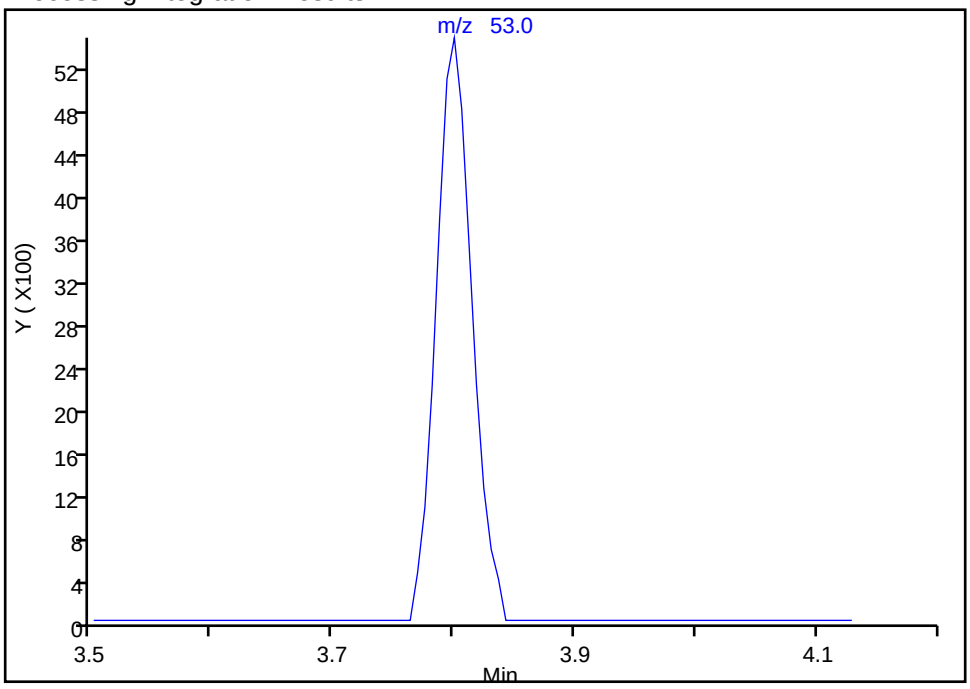
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

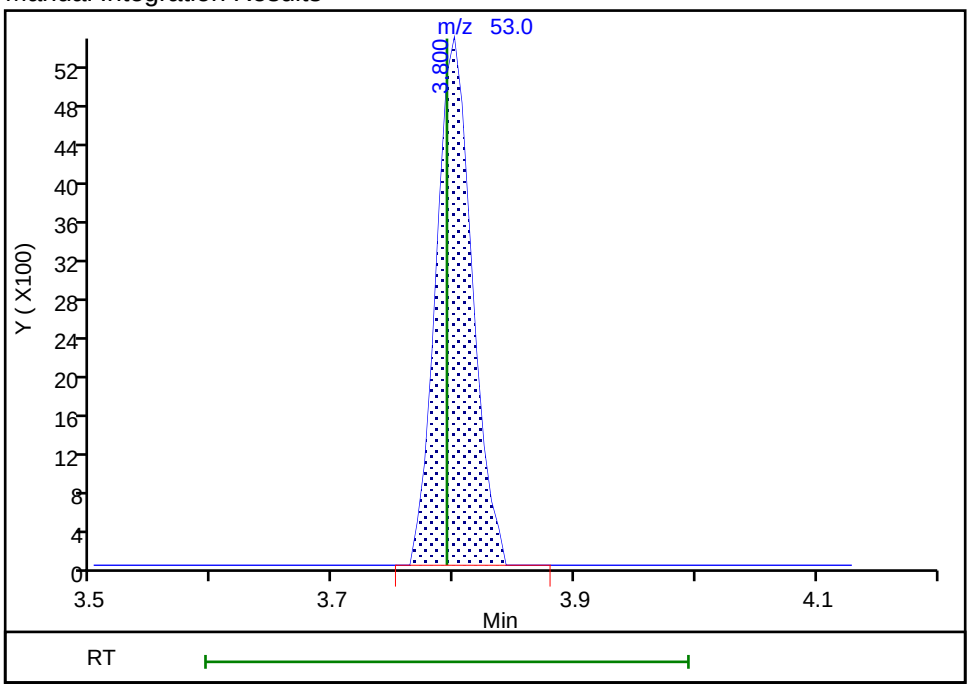
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 11212
Amount: 4.052938
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:28:37
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

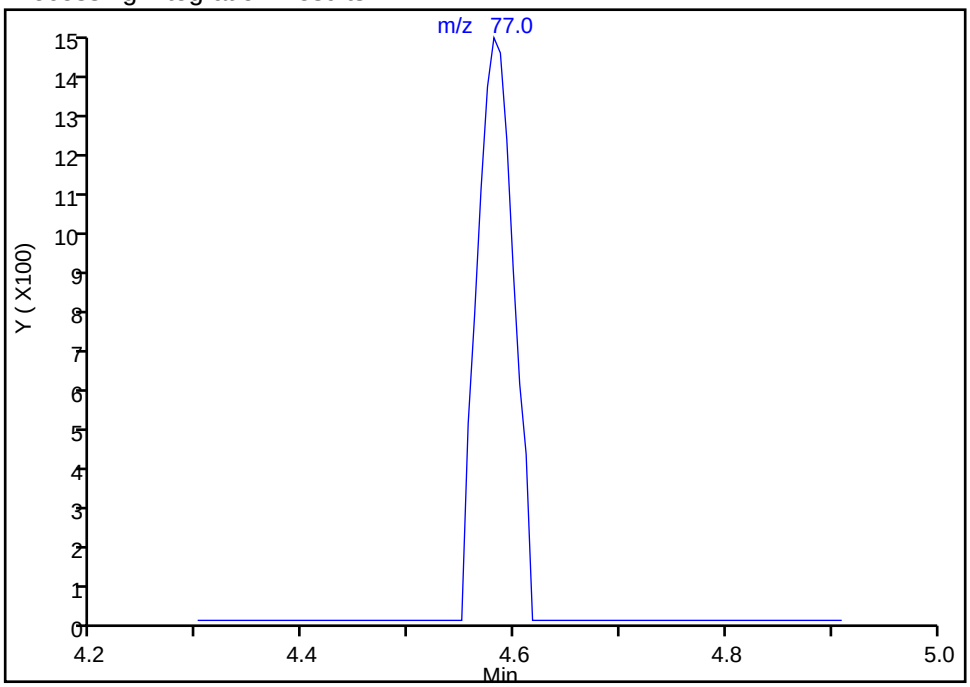
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

44 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

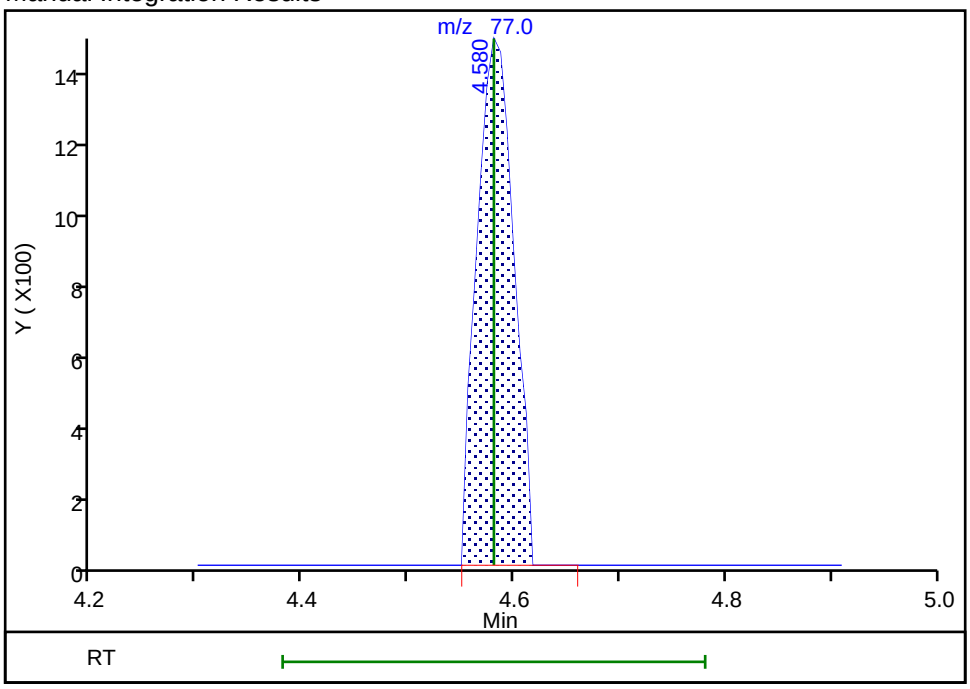
Not Detected
Expected RT: 4.58

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 3414
Amount: 0.389056
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:28:46
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

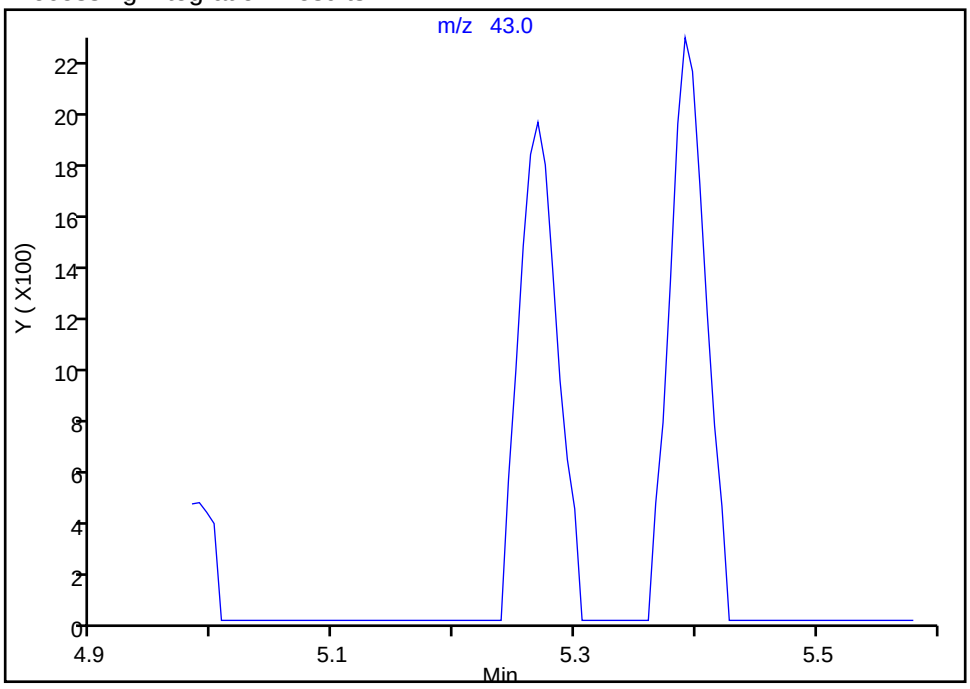
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

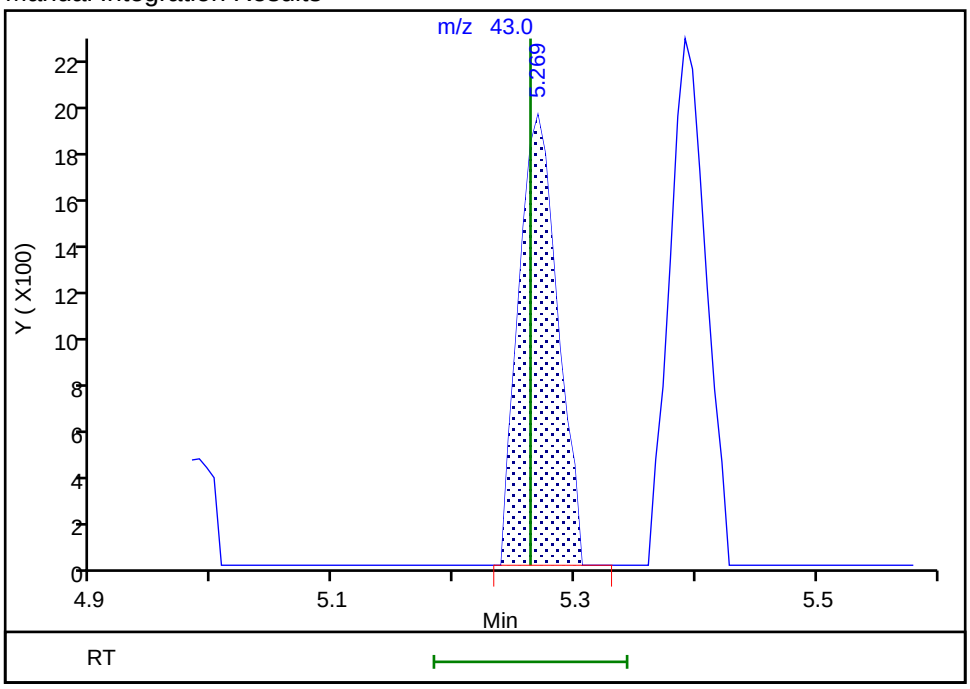
Not Detected
Expected RT: 5.26

Processing Integration Results



Manual Integration Results

RT: 5.27
Area: 4271
Amount: 10.899277
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:28:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

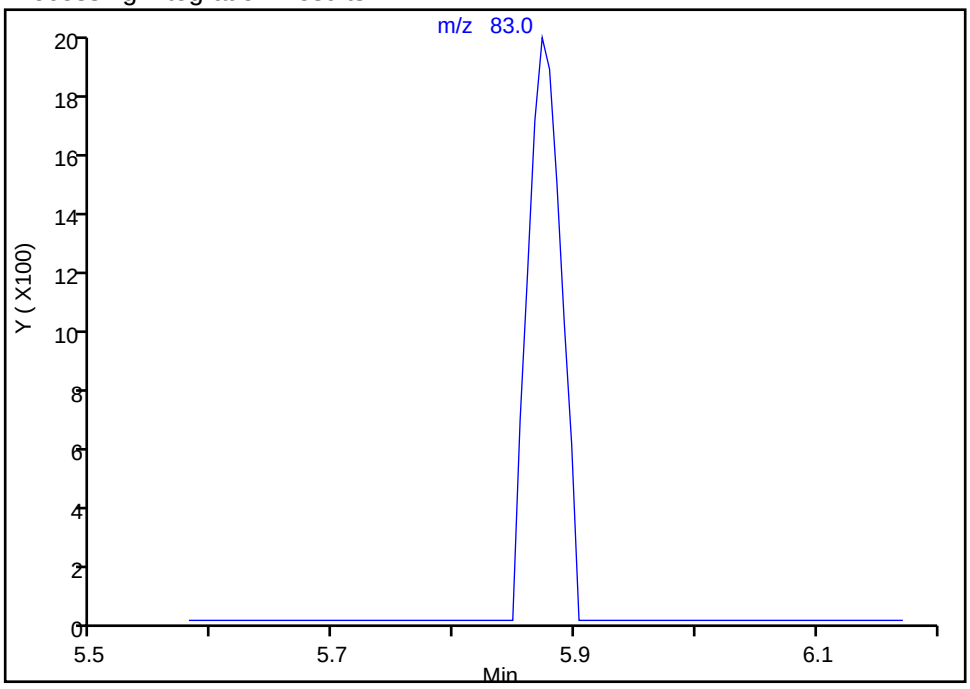
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

64 Methylcyclohexane, CAS: 108-87-2

Signal: 1

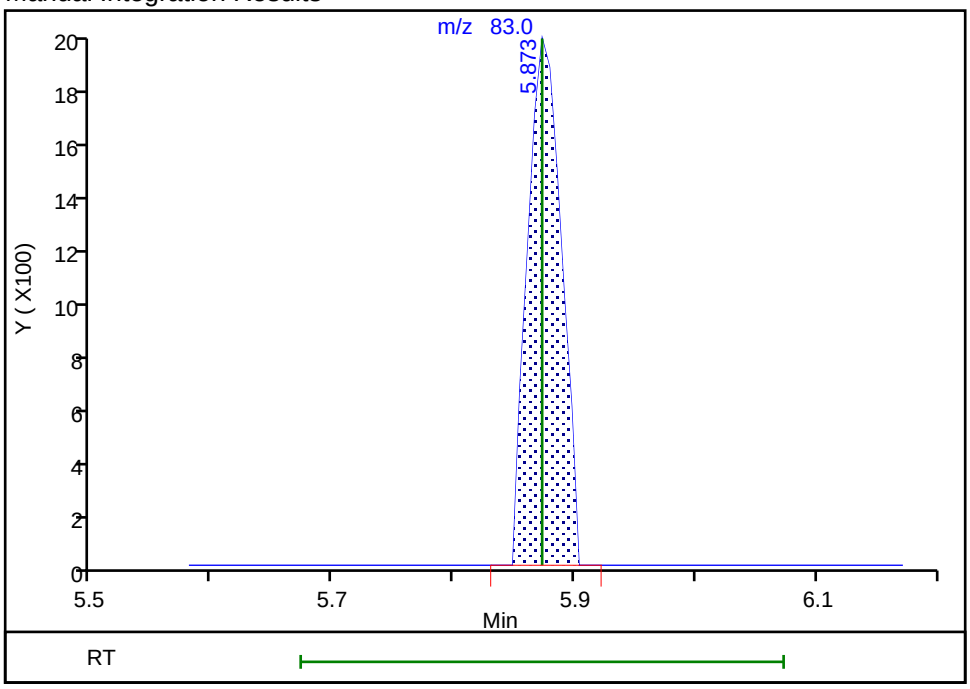
Not Detected
Expected RT: 5.87

Processing Integration Results



Manual Integration Results

RT: 5.87
Area: 3725
Amount: 0.313544
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:02
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

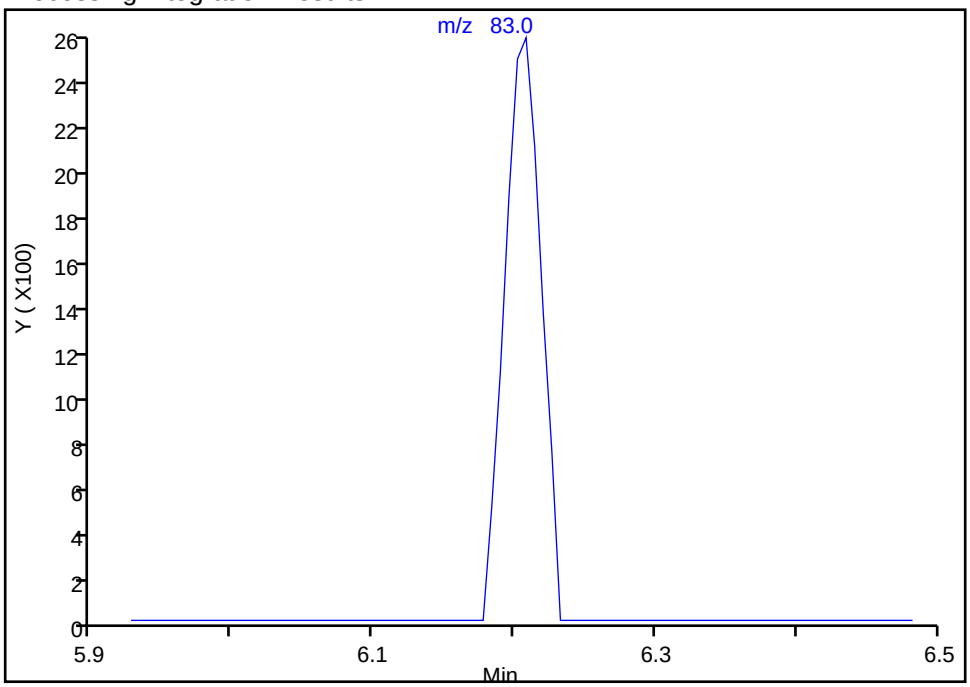
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

68 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

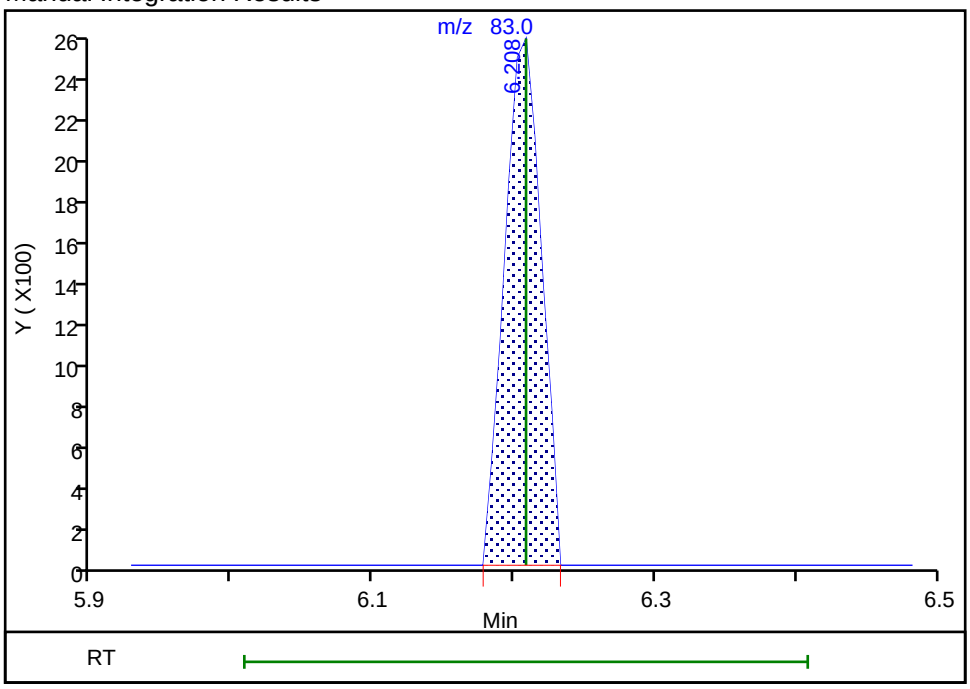
Not Detected
Expected RT: 6.21

Processing Integration Results



Manual Integration Results

RT: 6.21
Area: 4672
Amount: 0.384711
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:08
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

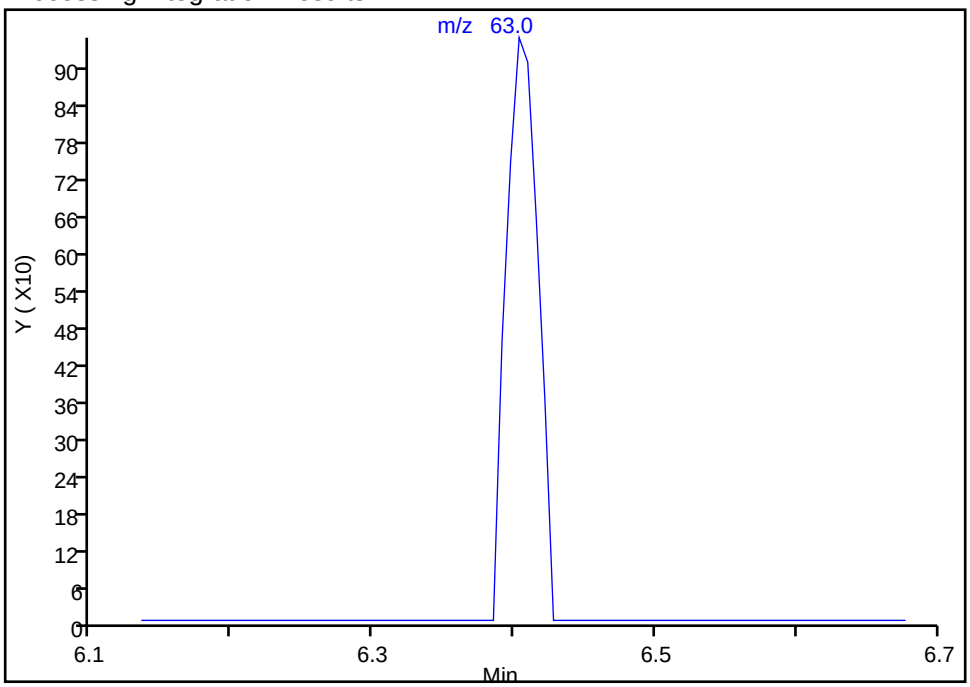
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

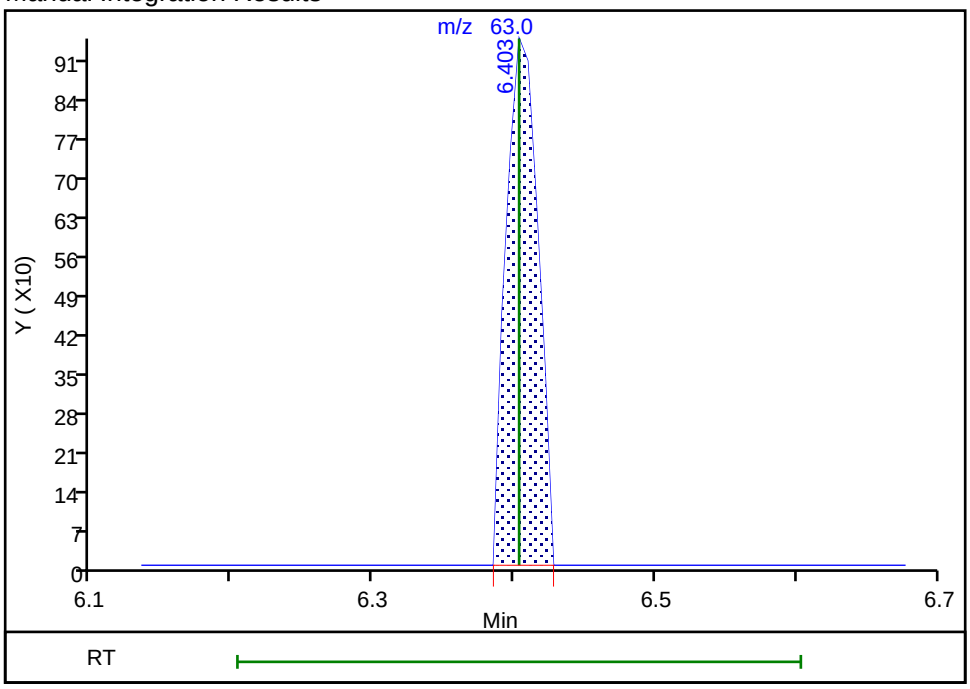
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 1490
Amount: 0.368325
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:10
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

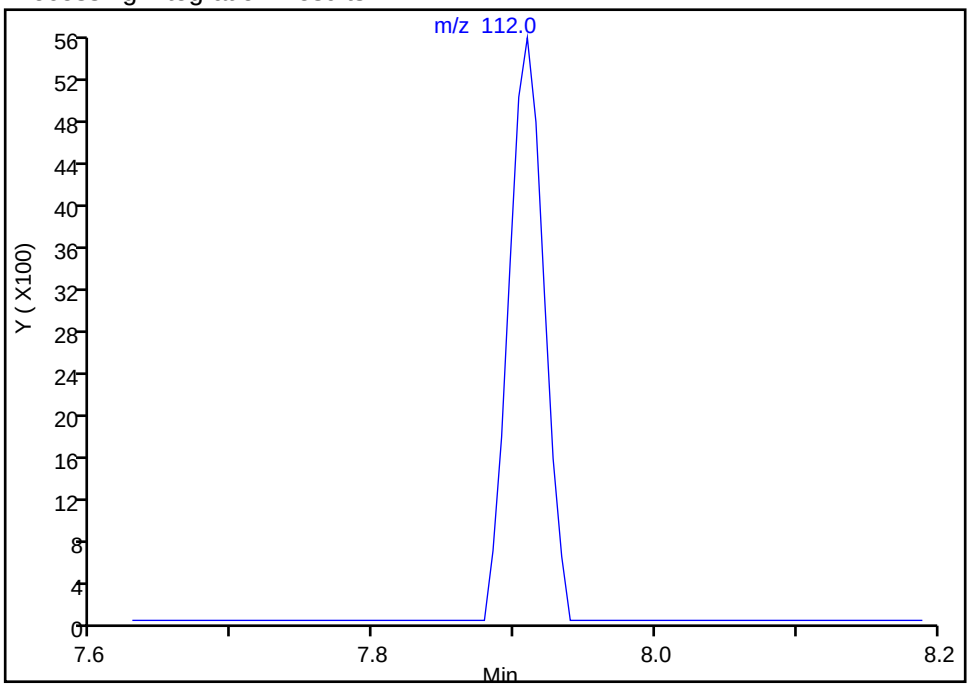
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

87 Chlorobenzene, CAS: 108-90-7

Signal: 1

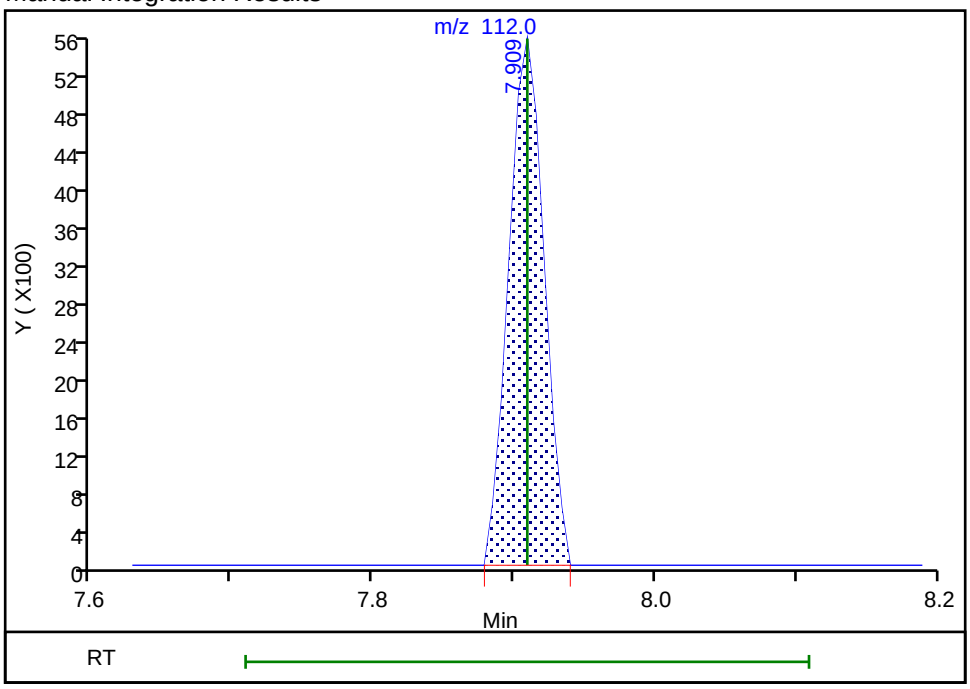
Not Detected
Expected RT: 7.91

Processing Integration Results



Manual Integration Results

RT: 7.91
Area: 9633
Amount: 0.385254
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:15
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

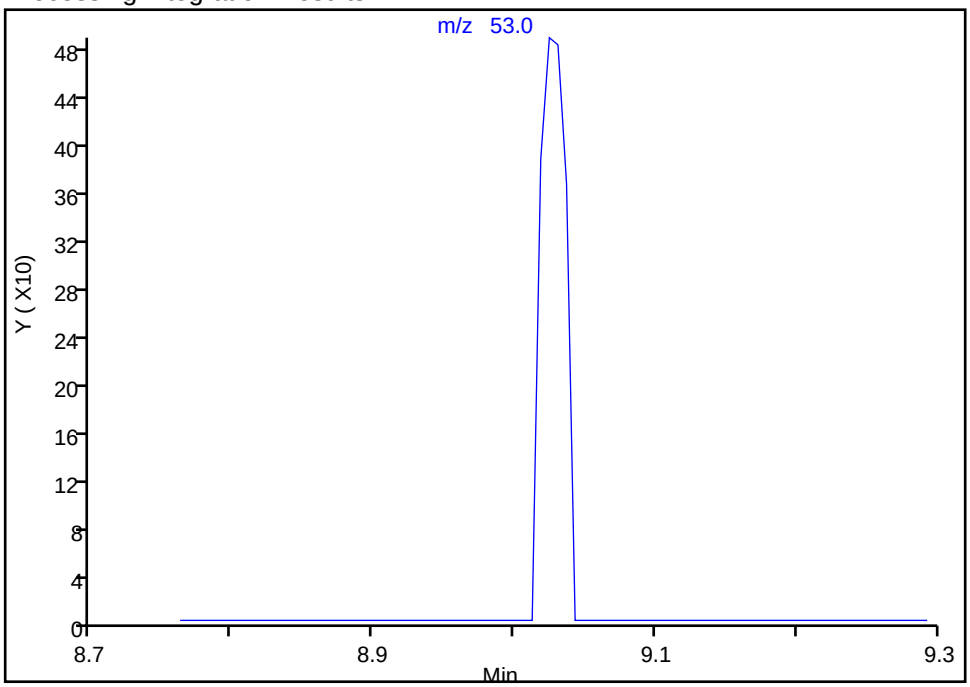
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

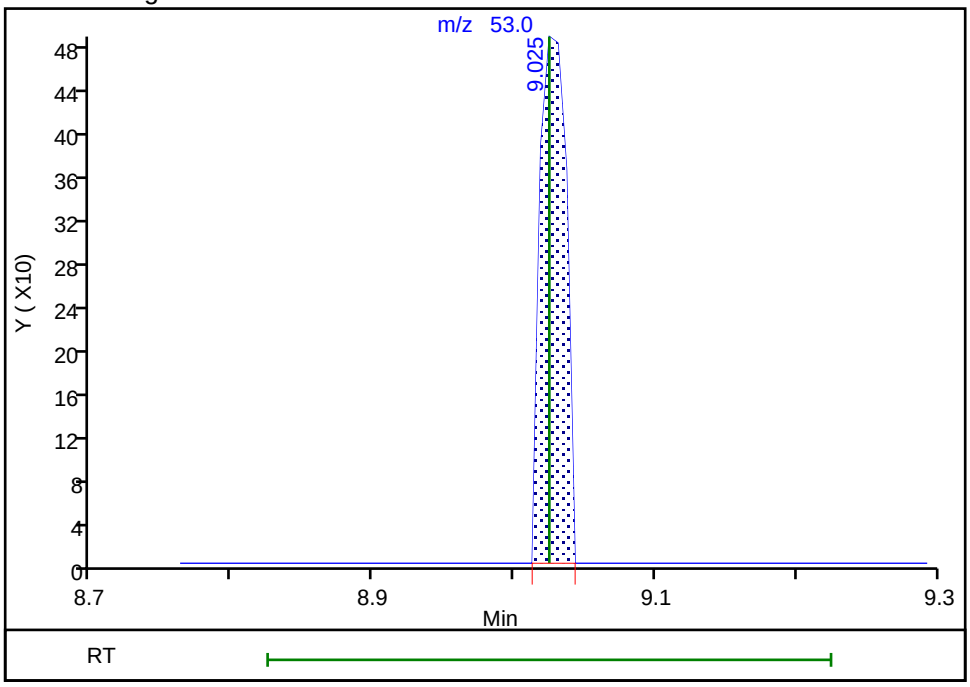
Not Detected
Expected RT: 9.02

Processing Integration Results



Manual Integration Results

RT: 9.02
Area: 627
Amount: 0.207755
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:22
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

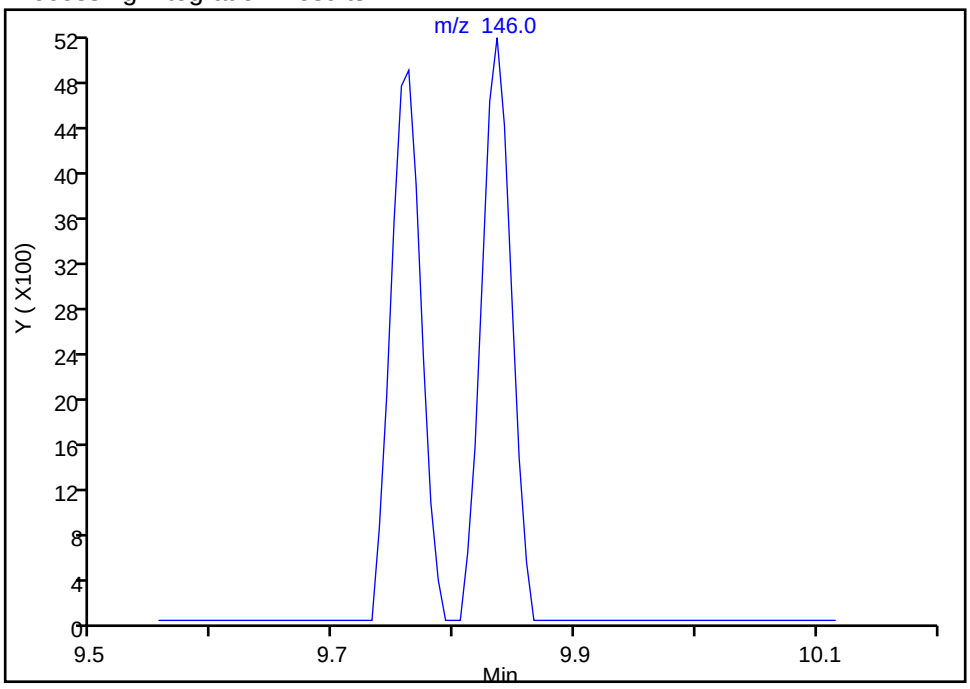
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

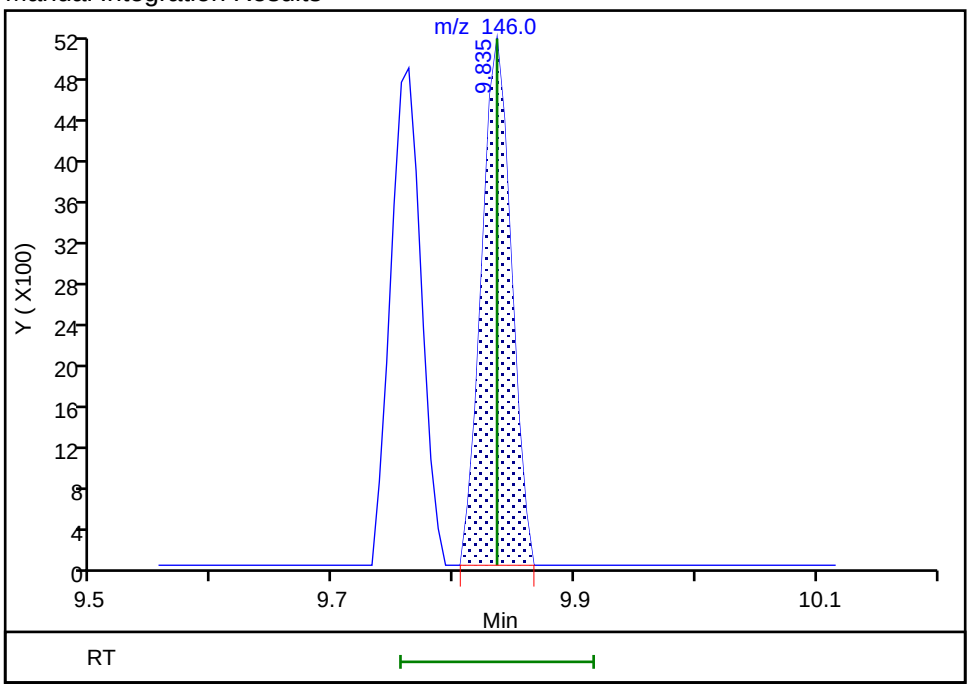
Not Detected
Expected RT: 9.84

Processing Integration Results



RT: 9.84
Area: 8808
Amount: 0.384403
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jan-2020 09:29:34
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

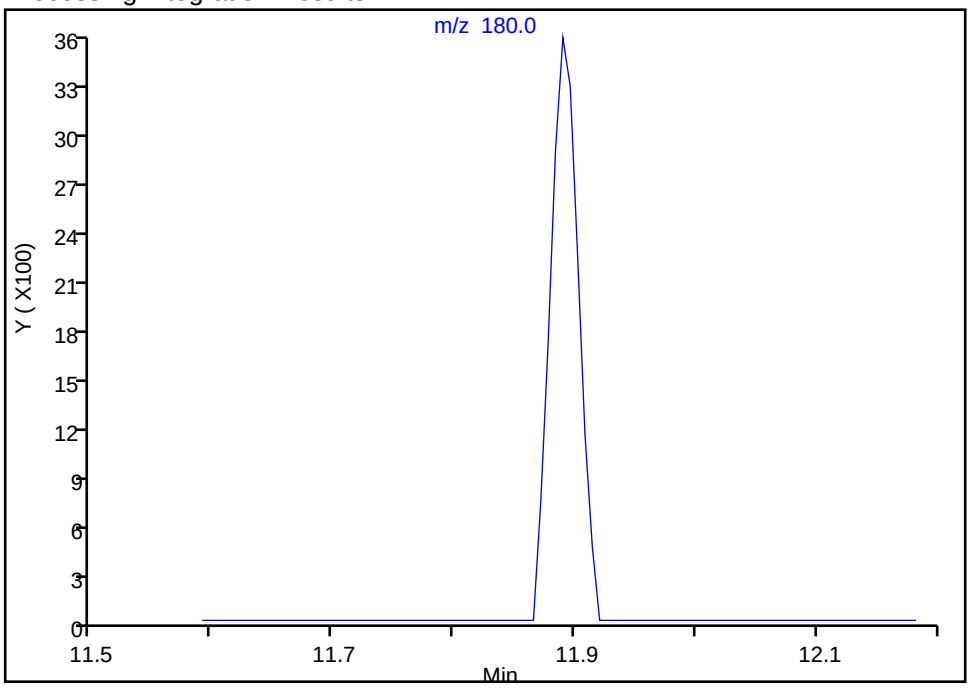
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2183.D
Injection Date: 20-Jan-2020 14:46:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

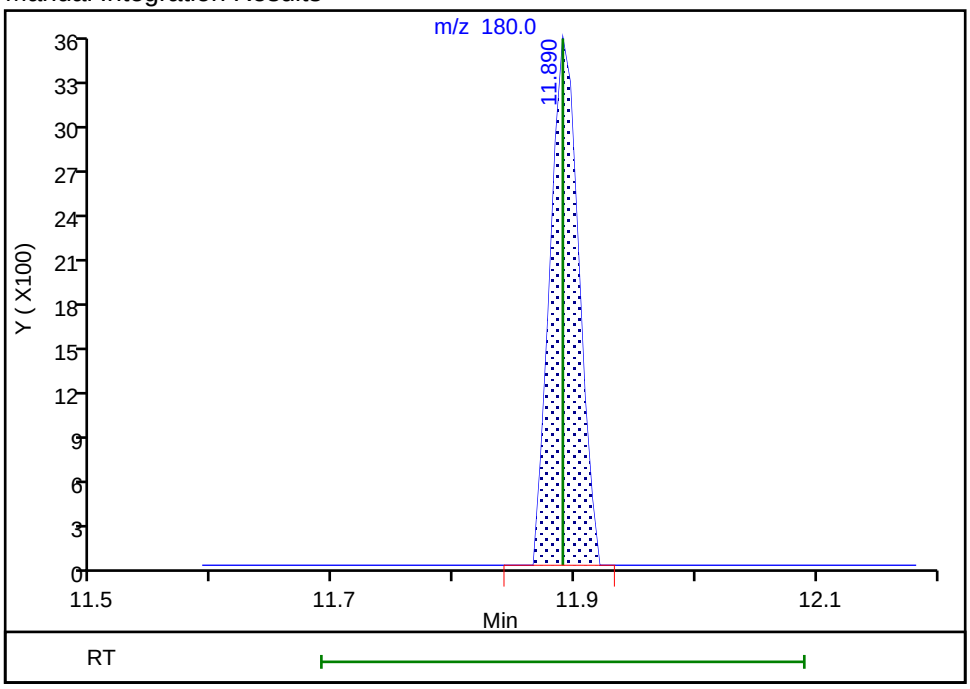
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 5749
Amount: 0.352867
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:29:38
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2184.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Jan-2020 15:08:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0087606-008
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:06:07 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:30:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	147929	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	328221	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.811	0.006	95	374188	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.013	5.007	0.006	93	239018	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.276	5.275	0.001	99	127610	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	766254	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	278937	25.0	25.2	
10 Dichlorodifluoromethane	85	1.502	1.496	0.006	96	9325	1.00	0.9053	
12 Chloromethane	50	1.715	1.715	0.000	98	14358	1.00	1.09	
144 Butadiene	54	1.831	1.831	0.000	93	10639	1.00	1.04	
13 Vinyl chloride	62	1.831	1.837	-0.006	68	10618	1.00	0.99	
14 Bromomethane	94	2.197	2.197	0.000	92	8221	1.00	1.07	
15 Chloroethane	64	2.288	2.276	0.012	95	6889	1.00	1.08	
16 Dichlorofluoromethane	67	2.532	2.526	0.006	94	15240	1.00	0.9743	
17 Trichlorofluoromethane	101	2.538	2.532	0.006	90	12207	1.00	0.9244	
18 Ethyl ether	59	2.801	2.800	0.000	96	6423	1.00	0.9786	
20 Acrolein	56	2.996	2.995	0.001	96	7054	5.00	4.95	
21 1,1,2-Trichloro-1,2,2-trif	101	3.038	3.032	0.006	81	7244	1.00	0.9573	
22 1,1-Dichloroethene	96	3.057	3.044	0.013	96	7395	1.00	1.01	
23 Acetone	43	3.154	3.148	0.006	98	15622	5.00	5.69	
25 Iodomethane	142	3.233	3.221	0.012	98	16911	1.00	0.9720	
26 Carbon disulfide	76	3.270	3.257	0.013	98	24908	1.00	0.9850	
28 3-Chloro-1-propene	41	3.392	3.385	0.007	87	12521	1.00	0.9687	
27 Methyl acetate	43	3.435	3.428	0.007	99	13829	2.00	2.28	
30 Methylene Chloride	84	3.575	3.532	0.043	95	14695	1.00	1.05	
31 2-Methyl-2-propanol	59	3.691	3.684	0.007	98	8590	10.0	9.33	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	98	21246	1.00	0.9820	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	95	8183	1.00	0.9677	
33 Acrylonitrile	53	3.800	3.794	0.006	95	26610	10.0	9.65	
35 Hexane	57	3.910	3.904	0.006	93	10562	1.00	0.9892	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	96	15715	1.00	1.02	
37 Vinyl acetate	43	4.160	4.154	0.006	98	29821	2.00	1.87	
44 2,2-Dichloropropane	77	4.581	4.580	0.001	89	8806	1.00	1.01	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	80	9547	1.00	1.00	
43 2-Butanone (MEK)	43	4.642	4.635	0.007	99	20799	5.00	5.27	
48 Chlorobromomethane	128	4.818	4.818	0.000	92	5565	1.00	1.01	
49 Tetrahydrofuran	42	4.843	4.836	0.007	92	8552	2.00	1.98	
50 Chloroform	83	4.879	4.873	0.006	96	16657	1.00	1.01	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	97	12683	1.00	0.9495	
52 Cyclohexane	56	4.989	4.983	0.006	93	12213	1.00	0.9600	
55 Carbon tetrachloride	117	5.093	5.092	0.001	96	12605	1.00	0.9848	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	93	11327	1.00	1.01	
53 Isobutyl alcohol	43	5.270	5.263	0.007	91	9884	25.0	25.3	
57 Benzene	78	5.282	5.281	0.001	94	30448	1.00	0.9815	
58 1,2-Dichloroethane	62	5.337	5.336	0.001	97	13613	1.00	1.03	
59 n-Heptane	43	5.391	5.391	0.000	93	11609	1.00	1.05	
62 Trichloroethene	95	5.776	5.775	0.001	96	9016	1.00	0.9826	
64 Methylcyclohexane	83	5.873	5.873	0.000	94	11080	1.00	0.9356	
65 1,2-Dichloropropane	63	5.977	5.976	0.001	89	8286	1.00	1.00	
66 1,4-Dioxane	88	6.093	6.086	0.007	0	1020	20.0	14.5	M
67 Dibromomethane	93	6.099	6.092	0.007	95	5926	1.00	1.00	
68 Dichlorobromomethane	83	6.208	6.208	0.000	97	11986	1.00	0.99	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	93	4126	1.00	1.02	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	92	12718	1.00	0.9622	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	41330	5.00	5.00	
74 Toluene	92	6.763	6.763	0.000	97	20027	1.00	0.9788	
77 trans-1,3-Dichloropropene	75	6.977	6.976	0.001	98	12008	1.00	0.9634	
75 Ethyl methacrylate	69	6.983	6.982	0.001	93	9333	1.00	0.9891	
79 1,1,2-Trichloroethane	83	7.135	7.129	0.006	92	5860	1.00	0.9398	
81 Tetrachloroethene	166	7.190	7.190	0.000	95	9792	1.00	0.9816	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	97	11590	1.00	0.9850	
80 2-Hexanone	43	7.287	7.287	0.000	96	29273	5.00	4.94	
83 Chlorodibromomethane	129	7.458	7.458	0.000	90	9846	1.00	0.9209	
84 Ethylene Dibromide	107	7.550	7.549	0.001	97	8290	1.00	0.9573	
87 Chlorobenzene	112	7.909	7.909	0.000	96	24521	1.00	0.9792	
88 Ethylbenzene	91	7.958	7.958	0.000	98	38737	1.00	1.00	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	92	9002	1.00	0.9248	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	98	15209	1.00	0.9811	
91 o-Xylene	106	8.385	8.385	0.000	96	15383	1.00	1.00	
92 Styrene	104	8.409	8.409	0.000	95	23868	1.00	0.9357	
95 Bromoform	173	8.623	8.628	-0.005	94	6193	1.00	0.9076	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	38446	1.00	0.9653	
101 Bromobenzene	156	8.982	8.982	0.000	89	11365	1.00	0.9441	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	94	10048	1.00	0.9821	
99 N-Propylbenzene	91	9.013	9.012	0.001	99	46644	1.00	0.9831	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	75	2509	1.00	0.8284	
100 1,2,3-Trichloropropane	110	9.031	9.031	0.000	86	2863	1.00	1.00	
103 2-Chlorotoluene	126	9.122	9.122	0.000	97	10178	1.00	0.9566	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	33731	1.00	0.9643	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	11054	1.00	0.99	
106 tert-Butylbenzene	134	9.427	9.427	0.000	92	6477	1.00	0.9017	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	96	33730	1.00	0.9422	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	41397	1.00	0.9353	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	36142	1.00	0.9253	
111 1,3-Dichlorobenzene	146	9.756	9.756	0.000	97	21349	1.00	0.9539	
113 1,4-Dichlorobenzene	146	9.836	9.835	0.001	96	23192	1.00	1.01	
115 n-Butylbenzene	91	10.080	10.079	0.001	98	33163	1.00	0.9468	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	97	21372	1.00	0.9561	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	84	1760	1.00	0.8713	
119 1,2,4-Trichlorobenzene	180	11.494	11.488	0.006	95	15608	1.00	0.9050	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	96	7480	1.00	0.9268	
121 Naphthalene	128	11.701	11.701	0.000	97	34474	1.00	0.8958	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	95	14799	1.00	0.9052	
S 126 1,3-Dichloropropene, Total	1				0			1.93	
S 125 1,2-Dichloroethene, Total	1				0			1.97	
S 124 Xylenes, Total	1				0			1.98	
S 123 Total BTEX	1				0			4.94	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00177	Amount Added:	1.00	Units: uL	
GAS CORP mix_00379	Amount Added:	1.00	Units: uL	
D 8260 IS/SUR_00008	Amount Added:	1.00	Units: uL	Run Reagent

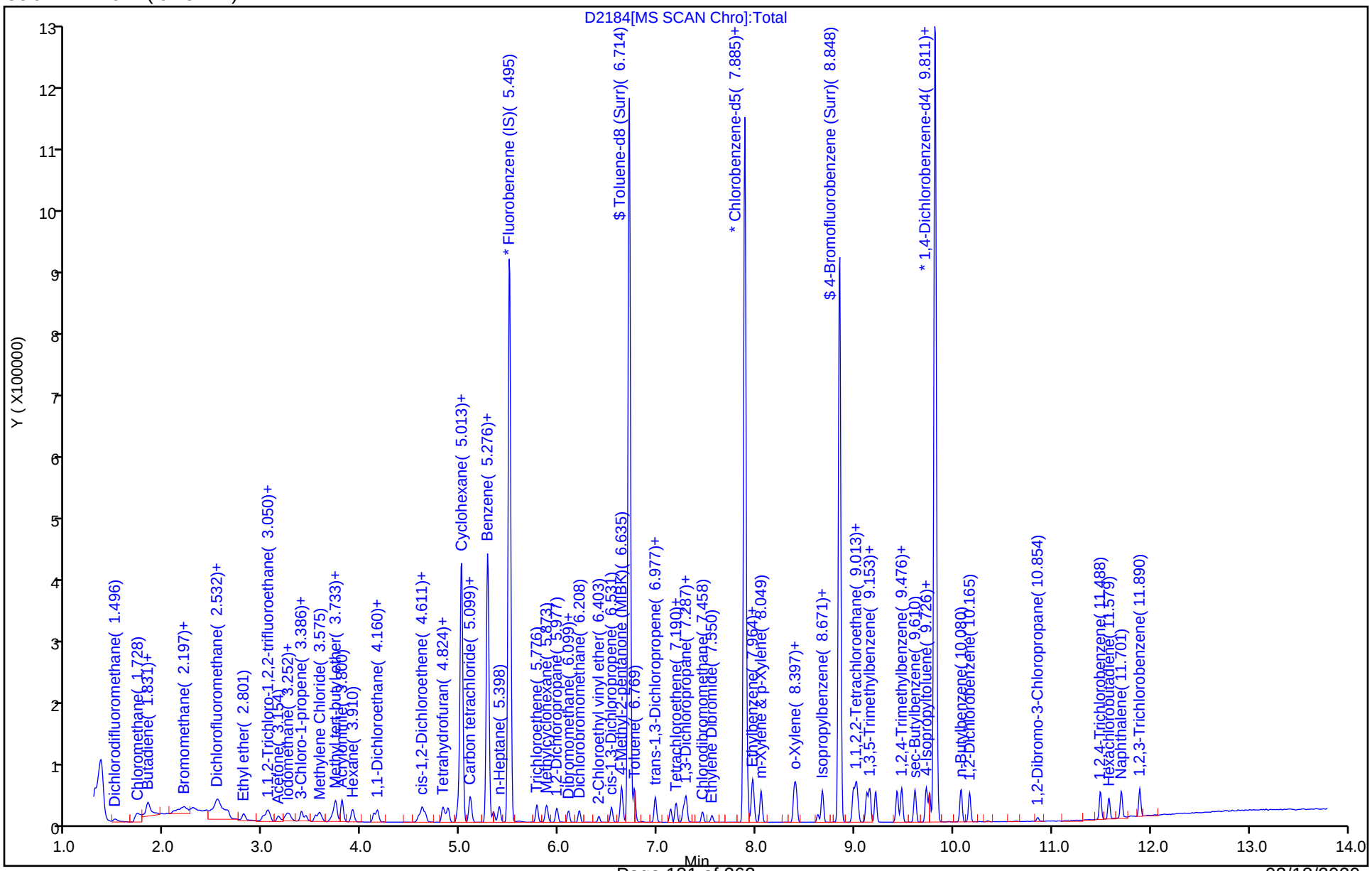
Report Date: 27-Jan-2020 11:06:10 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2184.D

Injection Date:	20-Jan-2020 15:08:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

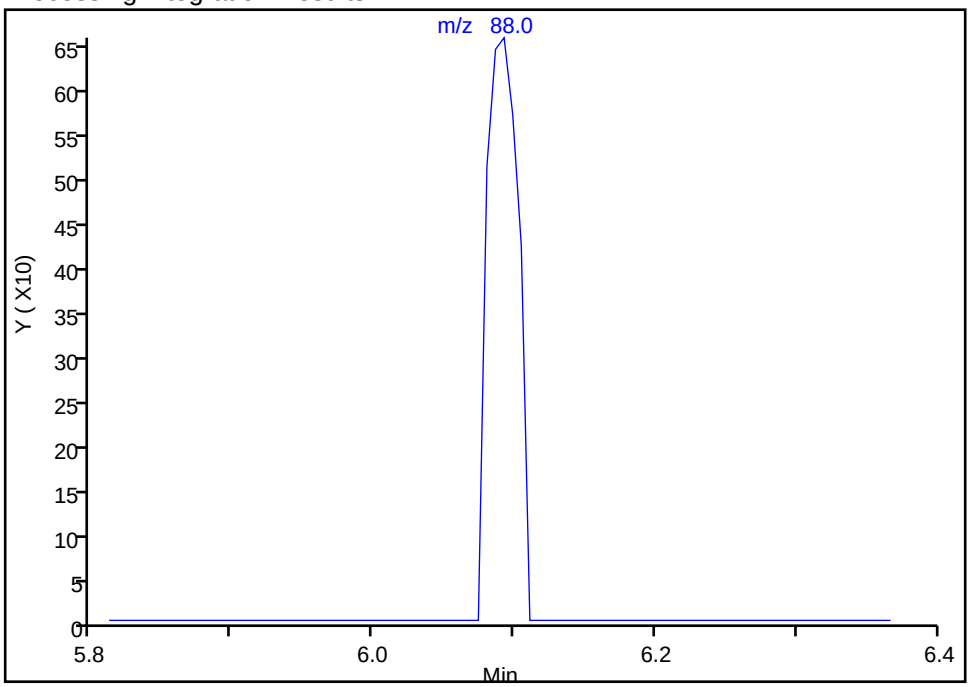
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2184.D
Injection Date: 20-Jan-2020 15:08:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

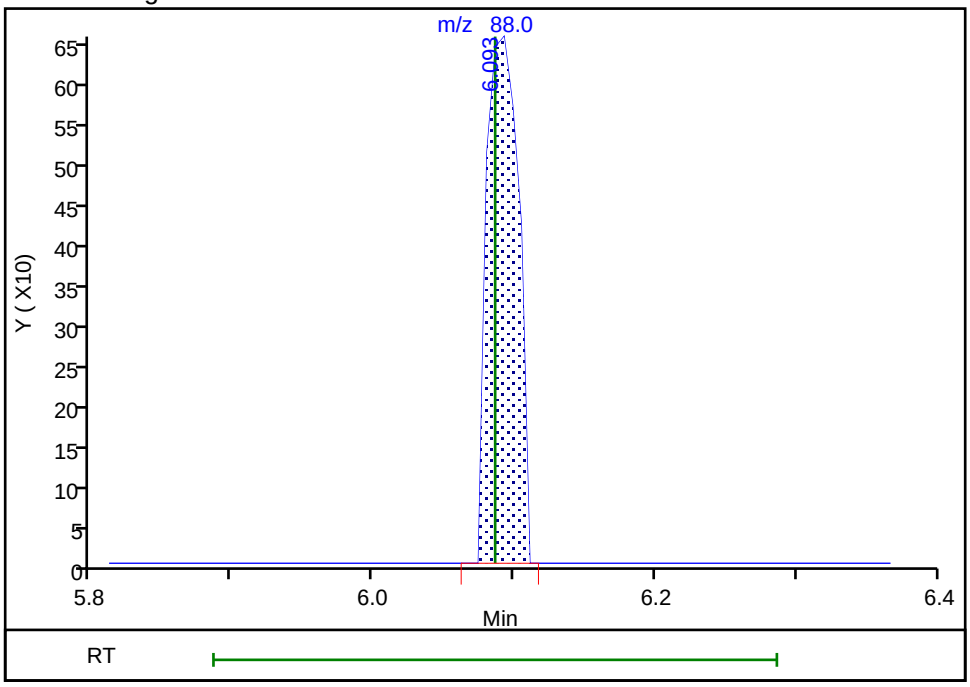
Not Detected
Expected RT: 6.09

Processing Integration Results



Manual Integration Results

RT: 6.09
Area: 1020
Amount: 14.471732
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 09:30:19
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2185.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Jan-2020 15:31:30 ALS Bottle#: 6 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0087606-009
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:06:19 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:31:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	150564	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	325100	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.811	0.006	96	374824	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.007	5.007	0.000	93	241675	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.276	5.275	0.001	99	128502	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	750200	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	275859	25.0	25.2	
10 Dichlorodifluoromethane	85	1.496	1.496	0.000	98	21503	2.00	2.05	
12 Chloromethane	50	1.715	1.715	0.000	98	27966	2.00	2.09	
144 Butadiene	54	1.825	1.831	-0.006	92	22159	2.00	2.12	
13 Vinyl chloride	62	1.831	1.837	-0.006	76	23123	2.00	2.13	
14 Bromomethane	94	2.191	2.197	-0.006	90	15421	2.00	1.98	
15 Chloroethane	64	2.270	2.276	-0.006	97	13303	2.00	2.06	
16 Dichlorofluoromethane	67	2.526	2.526	0.000	96	32673	2.00	2.05	
17 Trichlorofluoromethane	101	2.532	2.532	0.000	96	28483	2.00	2.12	
18 Ethyl ether	59	2.800	2.800	0.000	95	13403	2.00	2.01	
20 Acrolein	56	2.995	2.995	0.000	98	14164	10.0	9.77	
21 1,1,2-Trichloro-1,2,2-trif	101	3.026	3.032	-0.006	91	16540	2.00	2.15	
22 1,1-Dichloroethene	96	3.044	3.044	0.000	96	15692	2.00	2.11	
23 Acetone	43	3.154	3.148	0.006	97	30031	10.0	10.7	
25 Iodomethane	142	3.221	3.221	0.000	98	35871	2.00	2.03	
26 Carbon disulfide	76	3.258	3.257	0.001	100	54150	2.00	2.10	
28 3-Chloro-1-propene	41	3.386	3.385	0.001	88	27606	2.00	2.10	
27 Methyl acetate	43	3.434	3.428	0.006	99	25522	4.00	4.14	
30 Methylene Chloride	84	3.538	3.532	0.006	98	23715	2.00	2.08	
31 2-Methyl-2-propanol	59	3.690	3.684	0.006	98	18955	20.0	20.2	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	98	43727	2.00	1.99	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	96	17686	2.00	2.05	
33 Acrylonitrile	53	3.800	3.794	0.006	97	56383	20.0	20.1	
35 Hexane	57	3.904	3.904	0.000	94	22791	2.00	2.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	96	32630	2.00	2.08	
37 Vinyl acetate	43	4.160	4.154	0.006	98	58526	4.00	3.61	
44 2,2-Dichloropropane	77	4.581	4.580	0.001	90	18734	2.00	2.10	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	85	19938	2.00	2.06	
43 2-Butanone (MEK)	43	4.642	4.635	0.007	99	40918	10.0	10.2	
48 Chlorobromomethane	128	4.818	4.818	0.000	94	11266	2.00	2.01	
49 Tetrahydrofuran	42	4.843	4.836	0.007	87	13312	4.00	3.98	
50 Chloroform	83	4.873	4.873	0.000	96	34338	2.00	2.05	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	98	28294	2.00	2.08	
52 Cyclohexane	56	4.983	4.983	0.000	94	27407	2.00	2.12	
55 Carbon tetrachloride	117	5.093	5.092	0.001	96	26895	2.00	2.06	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	92	23478	2.00	2.06	
53 Isobutyl alcohol	43	5.269	5.263	0.006	90	19942	50.0	50.2	
57 Benzene	78	5.282	5.281	0.001	95	65039	2.00	2.06	
58 1,2-Dichloroethane	62	5.337	5.336	0.000	97	27279	2.00	2.03	
59 n-Heptane	43	5.391	5.391	0.000	94	23610	2.00	2.10	
62 Trichloroethene	95	5.775	5.775	0.000	96	19366	2.00	2.07	
64 Methylcyclohexane	83	5.873	5.873	0.000	95	25859	2.00	2.15	
65 1,2-Dichloropropane	63	5.977	5.976	0.001	90	16731	2.00	1.98	
66 1,4-Dioxane	88	6.092	6.086	0.006	91	2822	40.0	40.4	
67 Dibromomethane	93	6.092	6.092	0.000	96	12080	2.00	2.00	
68 Dichlorobromomethane	83	6.208	6.208	0.000	97	24578	2.00	1.99	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	92	7664	2.00	1.87	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	93	26795	2.00	1.99	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	84559	10.0	10.3	
74 Toluene	92	6.763	6.763	0.000	98	41384	2.00	2.04	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	99	23723	2.00	1.92	
75 Ethyl methacrylate	69	6.983	6.982	0.001	91	19304	2.00	2.07	
79 1,1,2-Trichloroethane	83	7.135	7.129	0.006	92	12295	2.00	1.99	
81 Tetrachloroethene	166	7.190	7.190	0.000	95	20402	2.00	2.06	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	97	23558	2.00	2.02	
80 2-Hexanone	43	7.287	7.287	0.000	96	61215	10.0	10.4	
83 Chlorodibromomethane	129	7.458	7.458	0.000	89	20790	2.00	1.96	
84 Ethylene Dibromide	107	7.549	7.549	0.000	97	17070	2.00	1.99	
87 Chlorobenzene	112	7.909	7.909	0.000	98	50307	2.00	2.03	
88 Ethylbenzene	91	7.958	7.958	0.000	98	78443	2.00	2.05	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	93	19859	2.00	2.06	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	98	32243	2.00	2.10	
91 o-Xylene	106	8.385	8.385	0.000	97	31270	2.00	2.05	
92 Styrene	104	8.409	8.409	0.000	96	51266	2.00	2.03	
95 Bromoform	173	8.622	8.628	-0.006	95	13077	2.00	1.93	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	80991	2.00	2.03	
101 Bromobenzene	156	8.982	8.982	0.000	91	23825	2.00	1.98	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	96	19875	2.00	1.94	
99 N-Propylbenzene	91	9.013	9.012	0.001	99	99374	2.00	2.09	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	76	5554	2.00	1.83	
100 1,2,3-Trichloropropane	110	9.037	9.031	0.006	86	5949	2.00	2.08	
103 2-Chlorotoluene	126	9.122	9.122	0.000	98	21944	2.00	2.06	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	71224	2.00	2.03	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	23094	2.00	2.07	
106 tert-Butylbenzene	134	9.427	9.427	0.000	94	14850	2.00	2.06	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	95	73403	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	93139	2.00	2.10	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	79412	2.00	2.03	
111 1,3-Dichlorobenzene	146	9.756	9.756	0.000	98	45483	2.00	2.03	
113 1,4-Dichlorobenzene	146	9.836	9.835	0.001	95	46826	2.00	2.03	
115 n-Butylbenzene	91	10.079	10.079	0.000	98	72939	2.00	2.08	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	98	45665	2.00	2.04	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	82	3649	2.00	1.80	
119 1,2,4-Trichlorobenzene	180	11.494	11.488	0.006	95	33780	2.00	1.96	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	16859	2.00	2.09	
121 Naphthalene	128	11.701	11.701	0.000	97	74280	2.00	1.93	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	95	32151	2.00	1.96	
S 126 1,3-Dichloropropene, Total	1				0			3.91	
S 125 1,2-Dichloroethene, Total	1				0			4.11	
S 124 Xylenes, Total	1				0			4.15	
S 123 Total BTEX	1				0			10.3	

Reagents:

8260 CORP mix_00177	Amount Added:	2.00	Units: uL	
GAS CORP mix_00379	Amount Added:	2.00	Units: uL	
D 8260 IS/SUR_00008	Amount Added:	1.00	Units: uL	Run Reagent

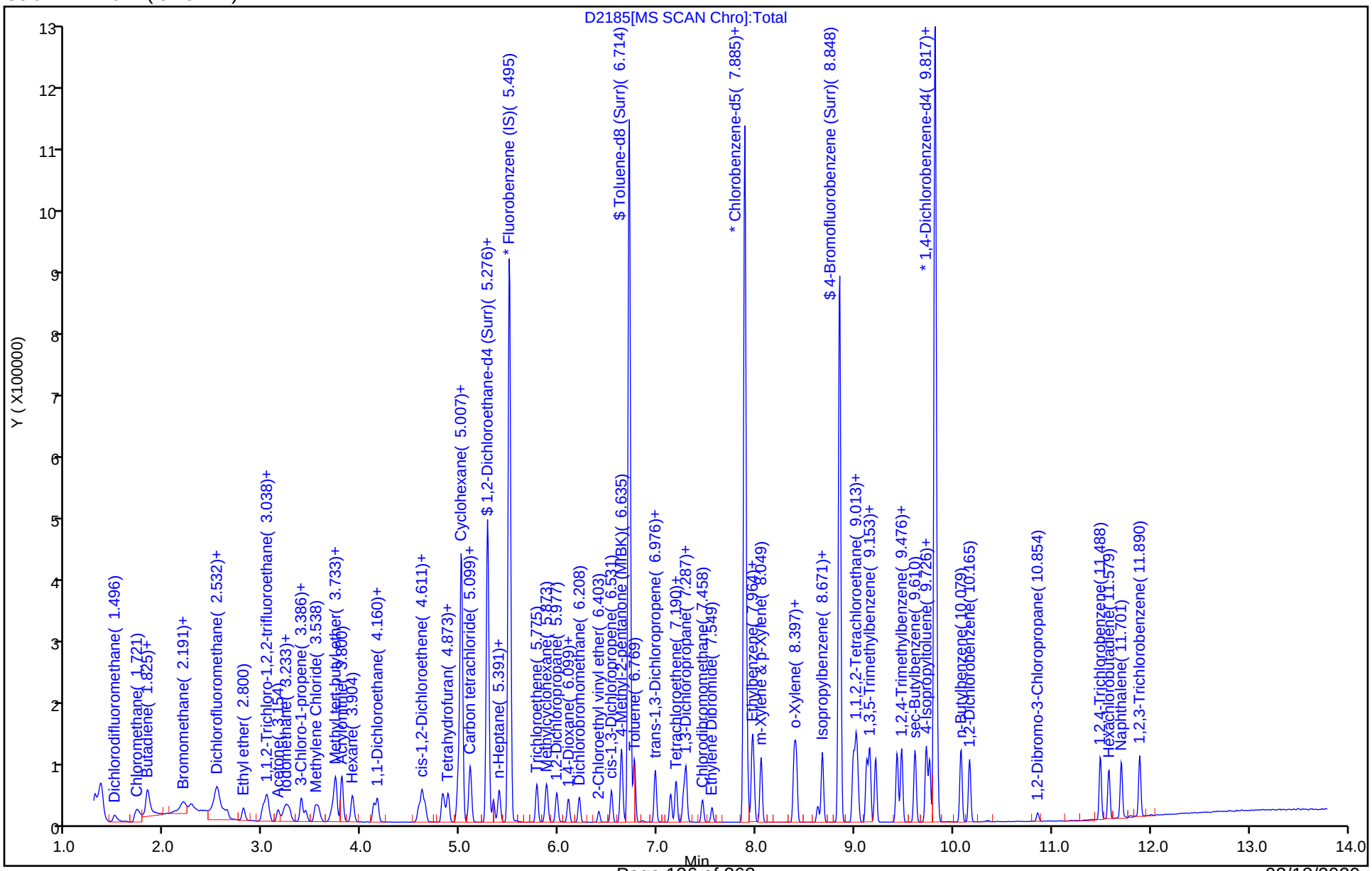
Report Date: 27-Jan-2020 11:06:22 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2185.D

Injection Date:	20-Jan-2020 15:31:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2186.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Jan-2020 15:55:30 ALS Bottle#: 7 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0087606-010
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:06:34 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:31:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	146592	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	315080	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.817	0.000	97	360072	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.007	5.007	0.000	93	239991	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.275	5.275	0.000	100	126969	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	738324	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	265011	25.0	25.0	
10 Dichlorodifluoromethane	85	1.496	1.496	0.000	98	52475	5.00	5.14	
12 Chloromethane	50	1.715	1.715	0.000	99	64850	5.00	4.98	
144 Butadiene	54	1.831	1.831	0.000	92	49924	5.00	4.90	
13 Vinyl chloride	62	1.831	1.831	0.000	73	54761	5.00	5.17	
14 Bromomethane	94	2.203	2.203	0.000	90	39804	5.00	5.24	
15 Chloroethane	64	2.288	2.288	0.000	98	30927	5.00	4.91	
16 Dichlorofluoromethane	67	2.532	2.532	0.000	97	85181	5.00	5.50	
17 Trichlorofluoromethane	101	2.538	2.538	0.000	97	66042	5.00	5.05	
18 Ethyl ether	59	2.800	2.800	0.000	96	33755	5.00	5.19	
20 Acrolein	56	2.995	2.995	0.000	98	35520	25.0	25.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.032	3.032	0.000	95	44090	5.00	5.88	
22 1,1-Dichloroethene	96	3.050	3.050	0.000	97	41024	5.00	5.66	
23 Acetone	43	3.154	3.154	0.000	98	69574	25.0	25.6	
25 Iodomethane	142	3.227	3.227	0.000	99	94614	5.00	5.49	
26 Carbon disulfide	76	3.270	3.270	0.000	100	132489	5.00	5.29	
28 3-Chloro-1-propene	41	3.386	3.386	0.000	87	70438	5.00	5.50	
27 Methyl acetate	43	3.428	3.428	0.000	99	61765	10.0	10.3	
30 Methylene Chloride	84	3.569	3.569	0.000	98	51022	5.00	5.43	
31 2-Methyl-2-propanol	59	3.684	3.684	0.000	100	46976	50.0	51.5	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	99	109592	5.00	5.11	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	96	46323	5.00	5.53	
33 Acrylonitrile	53	3.800	3.800	0.000	97	143788	50.0	52.6	
35 Hexane	57	3.904	3.904	0.000	94	60760	5.00	5.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	97	80944	5.00	5.30	
37 Vinyl acetate	43	4.160	4.160	0.000	97	158314	10.0	10.0	
44 2,2-Dichloropropane	77	4.581	4.581	0.000	91	44329	5.00	5.11	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	82	50420	5.00	5.34	
43 2-Butanone (MEK)	43	4.641	4.641	0.000	99	99191	25.0	25.4	
48 Chlorobromomethane	128	4.818	4.818	0.000	94	29055	5.00	5.34	
49 Tetrahydrofuran	42	4.837	4.837	0.000	87	27650	10.0	10.5	
50 Chloroform	83	4.873	4.873	0.000	95	85291	5.00	5.22	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	98	73703	5.00	5.57	
52 Cyclohexane	56	4.983	4.983	0.000	95	71774	5.00	5.69	
55 Carbon tetrachloride	117	5.093	5.093	0.000	97	69538	5.00	5.48	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	92	60383	5.00	5.45	
53 Isobutyl alcohol	43	5.263	5.263	0.000	90	48349	125.0	124.9	
57 Benzene	78	5.282	5.282	0.000	94	162881	5.00	5.30	
58 1,2-Dichloroethane	62	5.336	5.336	0.000	98	67489	5.00	5.17	
59 n-Heptane	43	5.391	5.391	0.000	94	59981	5.00	5.49	
62 Trichloroethene	95	5.775	5.775	0.000	95	48754	5.00	5.36	
64 Methylcyclohexane	83	5.873	5.873	0.000	95	68866	5.00	5.87	
65 1,2-Dichloropropane	63	5.977	5.977	0.000	90	42849	5.00	5.21	
66 1,4-Dioxane	88	6.086	6.086	0.000	95	7275	100.0	107.5	
67 Dibromomethane	93	6.092	6.092	0.000	96	30942	5.00	5.26	
68 Dichlorobromomethane	83	6.208	6.208	0.000	97	62658	5.00	5.22	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	93	21045	5.00	5.27	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	92	68383	5.00	5.22	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	212718	25.0	26.8	
74 Toluene	92	6.763	6.763	0.000	98	105069	5.00	5.35	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	98	61436	5.00	5.13	
75 Ethyl methacrylate	69	6.982	6.982	0.000	93	48439	5.00	5.35	
79 1,1,2-Trichloroethane	83	7.135	7.135	0.000	94	31925	5.00	5.33	
81 Tetrachloroethene	166	7.190	7.190	0.000	95	52903	5.00	5.52	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	96	60238	5.00	5.33	
80 2-Hexanone	43	7.287	7.287	0.000	98	153748	25.0	27.0	
83 Chlorodibromomethane	129	7.458	7.458	0.000	89	53512	5.00	5.21	
84 Ethylene Dibromide	107	7.549	7.549	0.000	98	43920	5.00	5.28	
87 Chlorobenzene	112	7.909	7.909	0.000	97	129102	5.00	5.37	
88 Ethylbenzene	91	7.958	7.958	0.000	99	197674	5.00	5.32	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	95	49456	5.00	5.29	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	98	79144	5.00	5.32	
91 o-Xylene	106	8.385	8.385	0.000	97	78743	5.00	5.33	
92 Styrene	104	8.409	8.409	0.000	95	130275	5.00	5.32	
95 Bromoform	173	8.628	8.628	0.000	97	33237	5.00	5.07	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	205494	5.00	5.36	
101 Bromobenzene	156	8.982	8.982	0.000	90	60185	5.00	5.20	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	97	51118	5.00	5.19	
99 N-Propylbenzene	91	9.013	9.013	0.000	99	243485	5.00	5.33	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	76	14973	5.00	5.14	
100 1,2,3-Trichloropropane	110	9.031	9.031	0.000	86	14917	5.00	5.42	
103 2-Chlorotoluene	126	9.122	9.122	0.000	97	53836	5.00	5.26	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	179346	5.00	5.33	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	56525	5.00	5.28	
106 tert-Butylbenzene	134	9.427	9.427	0.000	93	37137	5.00	5.37	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	95	184128	5.00	5.34	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	95	229917	5.00	5.40	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	205950	5.00	5.48	
111 1,3-Dichlorobenzene	146	9.756	9.756	0.000	99	112735	5.00	5.23	
113 1,4-Dichlorobenzene	146	9.836	9.836	0.000	96	115983	5.00	5.24	
115 n-Butylbenzene	91	10.079	10.079	0.000	98	181722	5.00	5.39	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	98	113724	5.00	5.29	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	86	10051	5.00	5.17	
119 1,2,4-Trichlorobenzene	180	11.488	11.488	0.000	95	85400	5.00	5.15	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	41558	5.00	5.35	
121 Naphthalene	128	11.701	11.701	0.000	97	188634	5.00	5.09	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	96	82001	5.00	5.21	
S 126 1,3-Dichloropropene, Total	1				0			10.4	
S 125 1,2-Dichloroethene, Total	1				0			10.9	
S 124 Xylenes, Total	1				0			10.7	
S 123 Total BTEX	1				0			26.6	

Reagents:

8260 CORP mix_00177	Amount Added:	5.00	Units: uL	
GAS CORP mix_00379	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00008	Amount Added:	1.00	Units: uL	Run Reagent

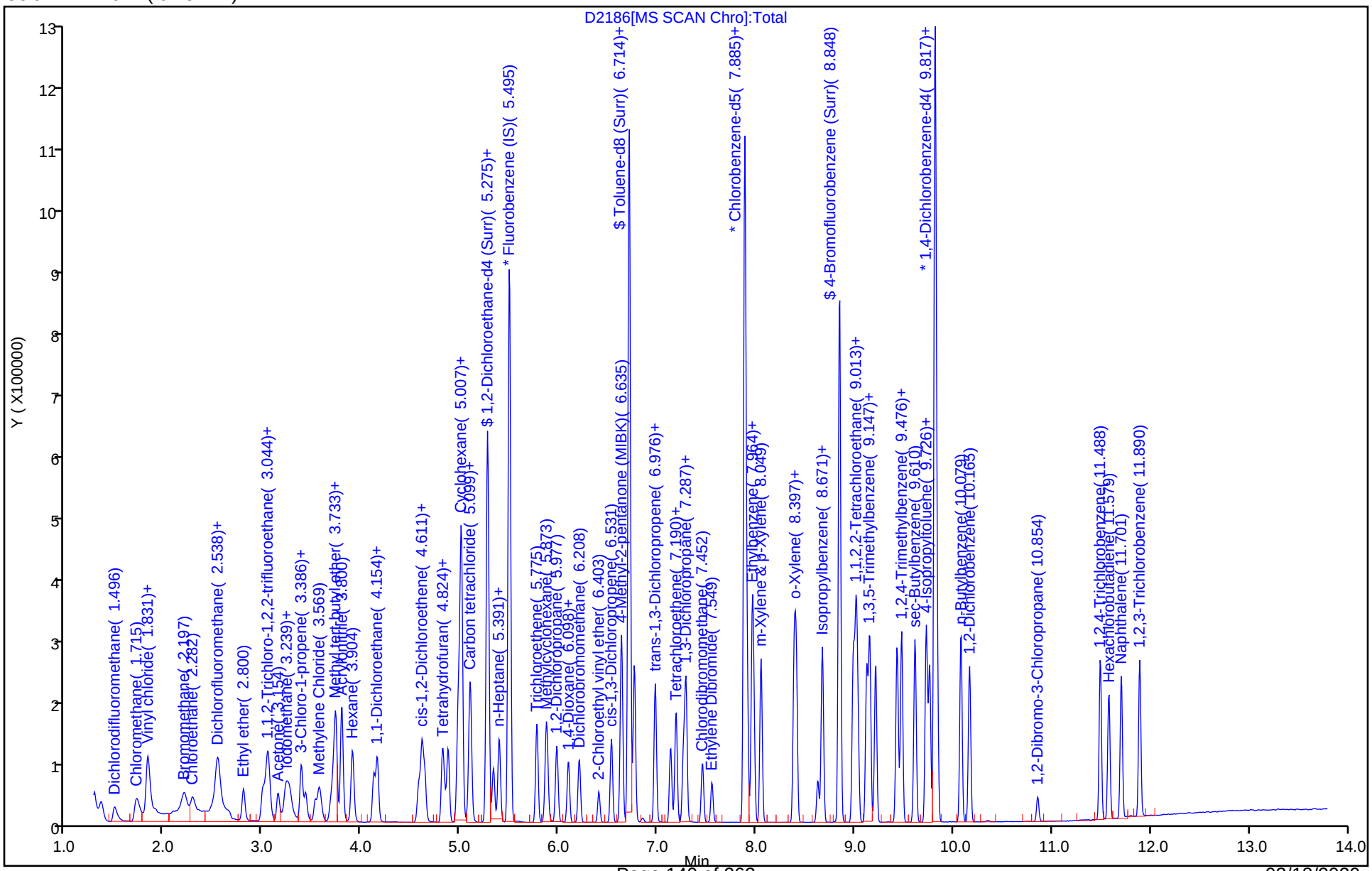
Report Date: 27-Jan-2020 11:06:38 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2186.D

Injection Date:	20-Jan-2020 15:55:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2187.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 20-Jan-2020 16:18:30 ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0087606-011
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:06:50 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:31:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	148872	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	321283	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.817	0.000	95	365279	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.007	5.007	0.000	93	244767	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.275	5.275	0.000	100	127684	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	754979	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	271167	25.0	25.1	
10 Dichlorodifluoromethane	85	1.496	1.496	0.000	99	107175	10.0	10.3	
12 Chloromethane	50	1.715	1.715	0.000	99	128994	10.0	9.76	
13 Vinyl chloride	62	1.831	1.831	0.000	98	113081	10.0	10.5	
144 Butadiene	54	1.831	1.831	0.000	95	98855	10.0	9.56	
14 Bromomethane	94	2.191	2.203	-0.012	91	73758	10.0	9.56	
15 Chloroethane	64	2.276	2.288	-0.012	98	62902	10.0	9.84	
16 Dichlorofluoromethane	67	2.526	2.532	-0.006	97	167469	10.0	10.6	
17 Trichlorofluoromethane	101	2.532	2.538	-0.006	98	135988	10.0	10.2	
18 Ethyl ether	59	2.800	2.800	0.000	96	66917	10.0	10.1	
20 Acrolein	56	2.995	2.995	0.000	98	71220	50.0	49.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.026	3.032	-0.006	94	67295	10.0	8.84	
22 1,1-Dichloroethene	96	3.044	3.050	-0.006	96	66797	10.0	9.08	
23 Acetone	43	3.148	3.154	-0.006	98	142361	50.0	51.5	
25 Iodomethane	142	3.221	3.227	-0.006	99	171441	10.0	9.79	
26 Carbon disulfide	76	3.258	3.270	-0.012	100	241841	10.0	9.50	
28 3-Chloro-1-propene	41	3.386	3.386	0.000	87	128439	10.0	9.87	
27 Methyl acetate	43	3.428	3.428	0.000	99	120431	20.0	19.8	
30 Methylene Chloride	84	3.532	3.569	-0.036	98	93711	10.0	10.4	
31 2-Methyl-2-propanol	59	3.684	3.684	0.000	100	99403	100.0	107.3	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	99	226284	10.0	10.4	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	97	82802	10.0	9.73	
33 Acrylonitrile	53	3.794	3.800	-0.006	97	288855	100.0	104.1	
35 Hexane	57	3.904	3.904	0.000	94	91925	10.0	8.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	97	151341	10.0	9.76	
37 Vinyl acetate	43	4.160	4.160	0.000	97	337920	20.0	21.1	
44 2,2-Dichloropropane	77	4.580	4.581	0.000	94	84589	10.0	9.61	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	83	94709	10.0	9.88	
43 2-Butanone (MEK)	43	4.635	4.641	-0.006	99	194751	50.0	49.0	
48 Chlorobromomethane	128	4.818	4.818	0.000	94	56453	10.0	10.2	
49 Tetrahydrofuran	42	4.836	4.837	-0.001	87	53153	20.0	21.6	
50 Chloroform	83	4.873	4.873	0.000	95	159204	10.0	9.59	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	99	128350	10.0	9.55	
52 Cyclohexane	56	4.983	4.983	0.000	95	110031	10.0	8.59	
55 Carbon tetrachloride	117	5.093	5.093	0.000	97	118728	10.0	9.22	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	93	104693	10.0	9.30	
53 Isobutyl alcohol	43	5.263	5.263	0.000	92	102072	250.0	259.7	
57 Benzene	78	5.282	5.282	0.000	96	303899	10.0	9.73	
58 1,2-Dichloroethane	62	5.336	5.336	0.000	97	130721	10.0	9.86	
59 n-Heptane	43	5.391	5.391	0.000	95	94933	10.0	8.56	
62 Trichloroethene	95	5.775	5.775	0.000	96	89043	10.0	9.64	
64 Methylcyclohexane	83	5.873	5.873	0.000	95	107045	10.0	8.98	
65 1,2-Dichloropropane	63	5.976	5.977	-0.001	92	83724	10.0	10.0	
66 1,4-Dioxane	88	6.086	6.086	0.000	96	15753	200.0	228.3	
67 Dibromomethane	93	6.092	6.092	0.000	97	60847	10.0	10.2	
68 Dichlorobromomethane	83	6.208	6.208	0.000	97	120944	10.0	9.93	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	94	41644	10.0	10.3	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	93	134494	10.0	10.1	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	435385	50.0	53.8	
74 Toluene	92	6.763	6.763	0.000	98	195400	10.0	9.76	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	98	125854	10.0	10.3	
75 Ethyl methacrylate	69	6.982	6.982	0.000	92	97867	10.0	10.6	
79 1,1,2-Trichloroethane	83	7.135	7.135	0.000	94	62566	10.0	10.3	
81 Tetrachloroethene	166	7.190	7.190	0.000	96	94207	10.0	9.65	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	96	116815	10.0	10.1	
80 2-Hexanone	43	7.287	7.287	0.000	97	316313	50.0	54.5	
83 Chlorodibromomethane	129	7.458	7.458	0.000	90	107336	10.0	10.3	
84 Ethylene Dibromide	107	7.549	7.549	0.000	98	88305	10.0	10.4	
87 Chlorobenzene	112	7.909	7.909	0.000	97	244204	10.0	9.96	
88 Ethylbenzene	91	7.958	7.958	0.000	98	368011	10.0	9.72	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	95	98032	10.0	10.3	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	99	149894	10.0	9.88	
91 o-Xylene	106	8.385	8.385	0.000	97	148848	10.0	9.89	
92 Styrene	104	8.409	8.409	0.000	96	251509	10.0	10.1	
95 Bromoform	173	8.622	8.628	-0.006	97	69123	10.0	10.3	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	376628	10.0	9.69	
101 Bromobenzene	156	8.982	8.982	0.000	90	118887	10.0	10.1	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	97	103877	10.0	10.4	
99 N-Propylbenzene	91	9.012	9.013	-0.001	99	446135	10.0	9.63	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	77	31260	10.0	10.6	
100 1,2,3-Trichloropropane	110	9.031	9.031	0.000	87	30473	10.0	10.9	
103 2-Chlorotoluene	126	9.122	9.122	0.000	98	102687	10.0	9.89	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	338111	10.0	9.90	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	107237	10.0	9.88	
106 tert-Butylbenzene	134	9.427	9.427	0.000	93	70260	10.0	10.0	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	97	350461	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	418330	10.0	9.68	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	379212	10.0	9.95	
111 1,3-Dichlorobenzene	146	9.756	9.756	0.000	98	220920	10.0	10.1	
113 1,4-Dichlorobenzene	146	9.836	9.836	0.000	96	224354	10.0	10.0	
115 n-Butylbenzene	91	10.079	10.079	0.000	98	339893	10.0	9.94	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	98	225625	10.0	10.3	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	86	20965	10.0	10.6	
119 1,2,4-Trichlorobenzene	180	11.488	11.488	0.000	94	174098	10.0	10.3	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	77997	10.0	9.90	
121 Naphthalene	128	11.701	11.701	0.000	97	395646	10.0	10.5	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	96	167784	10.0	10.5	
S 126 1,3-Dichloropropene, Total	1				0			20.4	
S 125 1,2-Dichloroethene, Total	1				0			19.6	
S 124 Xylenes, Total	1				0			19.8	
S 123 Total BTEX	1				0			49.0	

Reagents:

8260 CORP mix_00177	Amount Added:	5.00	Units: uL	
GAS CORP mix_00379	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00008	Amount Added:	1.00	Units: uL	Run Reagent

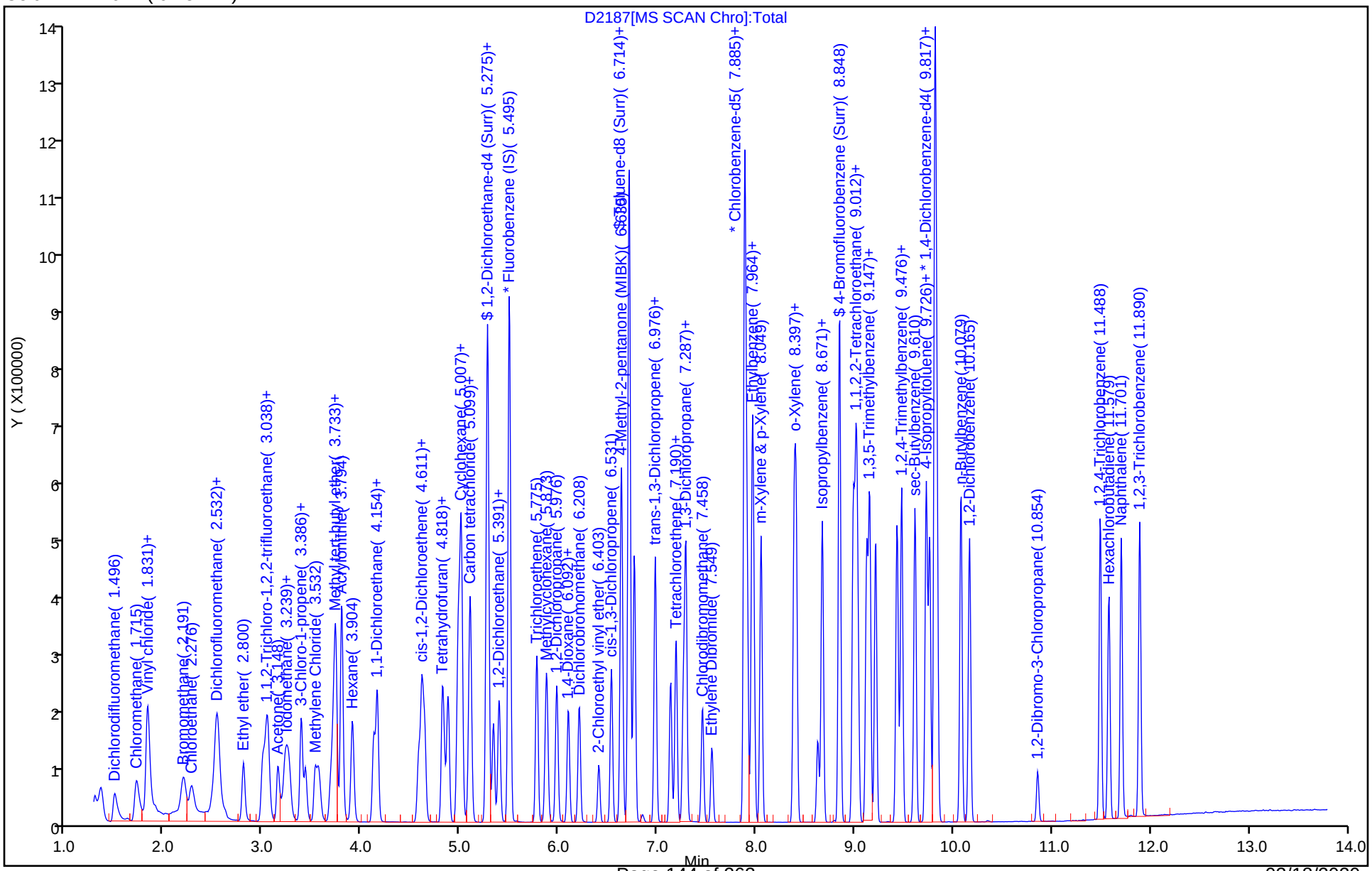
Report Date: 27-Jan-2020 11:06:54 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2187.D

Injection Date:	20-Jan-2020 16:18:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2188.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 20-Jan-2020 16:41:30 ALS Bottle#: 9 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0087606-012
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:07:02 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:22:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	148766	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	323143	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.817	0.000	95	358318	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.007	5.007	0.000	94	243975	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.275	5.275	0.000	99	127766	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	753539	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	271152	25.0	24.9	
10 Dichlorodifluoromethane	85	1.496	1.496	0.000	99	289133	25.0	27.9	
12 Chloromethane	50	1.715	1.715	0.000	99	315404	25.0	23.9	
13 Vinyl chloride	62	1.837	1.837	0.000	98	291651	25.0	27.1	
144 Butadiene	54	1.831	1.831	0.000	94	257499	25.0	24.9	
14 Bromomethane	94	2.197	2.197	0.000	91	195568	25.0	25.4	
15 Chloroethane	64	2.276	2.276	0.000	98	155948	25.0	24.4	
16 Dichlorofluoromethane	67	2.526	2.526	0.000	98	405852	25.0	25.8	
17 Trichlorofluoromethane	101	2.532	2.532	0.000	99	364408	25.0	27.4	
18 Ethyl ether	59	2.800	2.800	0.000	97	164732	25.0	25.0	
20 Acrolein	56	2.995	2.995	0.000	98	174830	125.0	122.1	
21 1,1,2-Trichloro-1,2,2-trif	101	3.032	3.032	0.000	93	208461	25.0	27.4	
22 1,1-Dichloroethene	96	3.044	3.044	0.000	97	190107	25.0	25.9	
23 Acetone	43	3.148	3.148	0.000	98	324255	125.0	117.4	
25 Iodomethane	142	3.221	3.221	0.000	99	451054	25.0	25.8	
26 Carbon disulfide	76	3.257	3.257	0.000	100	659143	25.0	25.9	
28 3-Chloro-1-propene	41	3.385	3.385	0.000	88	339689	25.0	26.1	
27 Methyl acetate	43	3.428	3.428	0.000	99	290658	50.0	47.7	
30 Methylene Chloride	84	3.532	3.532	0.000	98	226917	25.0	26.2	
31 2-Methyl-2-propanol	59	3.684	3.684	0.000	99	236187	250.0	255.2	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	97	553257	25.0	25.4	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	97	219606	25.0	25.8	
33 Acrylonitrile	53	3.794	3.794	0.000	97	691184	250.0	249.2	
35 Hexane	57	3.904	3.904	0.000	94	280877	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	97	392566	25.0	25.3	
37 Vinyl acetate	43	4.154	4.154	0.000	97	868325	50.0	54.2	
44 2,2-Dichloropropane	77	4.580	4.580	0.000	94	230254	25.0	26.2	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	84	241979	25.0	25.3	
43 2-Butanone (MEK)	43	4.635	4.635	0.000	99	461620	125.0	116.3	
48 Chlorobromomethane	128	4.818	4.818	0.000	94	140654	25.0	25.5	
49 Tetrahydrofuran	42	4.836	4.836	0.000	87	120782	50.0	51.4	
50 Chloroform	83	4.873	4.873	0.000	95	402102	25.0	24.2	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	99	352213	25.0	26.2	
52 Cyclohexane	56	4.983	4.983	0.000	94	341577	25.0	26.7	
55 Carbon tetrachloride	117	5.092	5.092	0.000	97	338643	25.0	26.3	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	95	289718	25.0	25.8	
53 Isobutyl alcohol	43	5.263	5.263	0.000	92	237733	625.0	605.2	
57 Benzene	78	5.281	5.281	0.000	97	787595	25.0	25.2	
58 1,2-Dichloroethane	62	5.336	5.336	0.000	98	320418	25.0	24.2	
59 n-Heptane	43	5.391	5.391	0.000	95	275825	25.0	24.9	
62 Trichloroethene	95	5.775	5.775	0.000	96	236107	25.0	25.6	
64 Methylcyclohexane	83	5.873	5.873	0.000	95	324865	25.0	27.3	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	91	209735	25.0	25.1	
66 1,4-Dioxane	88	6.086	6.086	0.000	96	33890	500.0	488.4	
67 Dibromomethane	93	6.092	6.092	0.000	95	152416	25.0	25.5	
68 Dichlorobromomethane	83	6.208	6.208	0.000	98	310521	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	94	107910	25.0	26.6	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	93	343228	25.0	25.8	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	987577	125.0	121.3	
74 Toluene	92	6.763	6.763	0.000	98	505545	25.0	25.1	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	97	317504	25.0	25.9	
75 Ethyl methacrylate	69	6.982	6.982	0.000	91	227498	25.0	24.5	
79 1,1,2-Trichloroethane	83	7.129	7.129	0.000	92	154777	25.0	25.2	
81 Tetrachloroethene	166	7.190	7.190	0.000	96	253146	25.0	25.8	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	96	288003	25.0	24.9	
80 2-Hexanone	43	7.287	7.287	0.000	99	720441	125.0	123.5	
83 Chlorodibromomethane	129	7.458	7.458	0.000	90	268813	25.0	25.5	
84 Ethylene Dibromide	107	7.549	7.549	0.000	98	214687	25.0	25.2	
87 Chlorobenzene	112	7.909	7.909	0.000	99	618373	25.0	25.1	
88 Ethylbenzene	91	7.958	7.958	0.000	98	960958	25.0	25.2	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	95	248777	25.0	26.0	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	98	386133	25.0	25.3	
91 o-Xylene	106	8.385	8.385	0.000	97	382544	25.0	25.3	
92 Styrene	104	8.409	8.409	0.000	95	638595	25.0	25.4	
95 Bromoform	173	8.628	8.628	0.000	97	174668	25.0	26.0	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	993935	25.0	26.1	
101 Bromobenzene	156	8.982	8.982	0.000	95	296471	25.0	25.7	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	96	249457	25.0	25.5	
99 N-Propylbenzene	91	9.012	9.012	0.000	99	1169205	25.0	25.7	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	77	76873	25.0	26.5	
100 1,2,3-Trichloropropane	110	9.031	9.031	0.000	87	71632	25.0	26.2	
103 2-Chlorotoluene	126	9.122	9.122	0.000	97	260080	25.0	25.5	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	872737	25.0	26.1	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	273494	25.0	25.7	
106 tert-Butylbenzene	134	9.427	9.427	0.000	93	182030	25.0	26.5	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	98	887524	25.0	25.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	1114322	25.0	26.3	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	993139	25.0	26.6	
111 1,3-Dichlorobenzene	146	9.756	9.756	0.000	98	550412	25.0	25.7	
113 1,4-Dichlorobenzene	146	9.835	9.835	0.000	97	556573	25.0	25.3	
115 n-Butylbenzene	91	10.079	10.079	0.000	98	889673	25.0	26.5	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	98	548854	25.0	25.6	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	87	50261	25.0	26.0	
119 1,2,4-Trichlorobenzene	180	11.488	11.488	0.000	94	438975	25.0	26.6	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	206067	25.0	26.7	
121 Naphthalene	128	11.701	11.701	0.000	97	967066	25.0	26.2	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	96	415868	25.0	26.6	

Reagents:

8260 CORP mix_00177	Amount Added: 12.50	Units: uL	
GAS CORP mix_00379	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00008	Amount Added: 1.00	Units: uL	Run Reagent

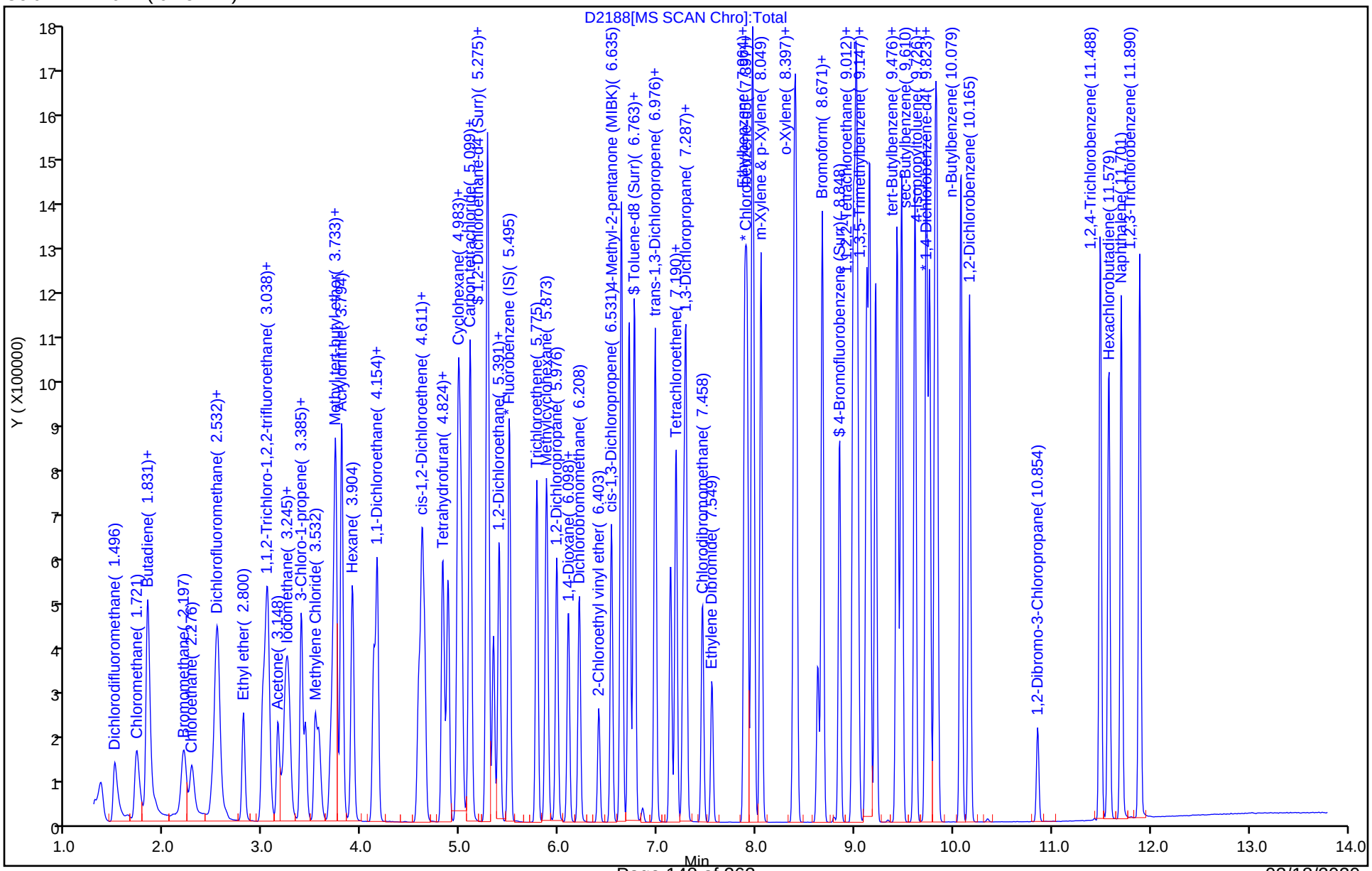
Report Date: 27-Jan-2020 11:07:07 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2188.D

Injection Date:	20-Jan-2020 16:41:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2189.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Jan-2020 17:04:30 ALS Bottle#: 10 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0087606-013
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:07:15 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:32:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	154003	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	85	330171	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.817	0.000	94	360647	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.013	5.007	0.006	93	248172	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.275	5.275	0.000	94	128989	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	93	775299	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	270095	25.0	24.3	
10 Dichlorodifluoromethane	85	1.496	1.496	0.000	99	529349	50.0	49.4	M
12 Chloromethane	50	1.721	1.715	0.006	99	612518	50.0	44.8	
144 Butadiene	54	1.831	1.831	0.000	93	480324	50.0	44.9	
13 Vinyl chloride	62	1.837	1.837	0.000	98	556197	50.0	50.0	
14 Bromomethane	94	2.197	2.197	0.000	91	359895	50.0	45.1	
15 Chloroethane	64	2.276	2.276	0.000	98	299262	50.0	45.3	
16 Dichlorofluoromethane	67	2.532	2.526	0.006	97	788229	50.0	48.4	
17 Trichlorofluoromethane	101	2.538	2.532	0.006	98	678816	50.0	49.4	
18 Ethyl ether	59	2.800	2.800	0.000	96	338350	50.0	49.5	
20 Acrolein	56	2.995	2.995	0.000	99	356141	250.0	240.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.032	3.032	0.000	94	424036	50.0	53.8	
22 1,1-Dichloroethene	96	3.050	3.044	0.006	97	383273	50.0	50.3	
23 Acetone	43	3.154	3.148	0.006	98	654519	250.0	228.9	
25 Iodomethane	142	3.227	3.221	0.006	99	902330	50.0	49.8	
26 Carbon disulfide	76	3.264	3.257	0.007	100	1314824	50.0	49.9	
28 3-Chloro-1-propene	41	3.386	3.385	0.001	88	670148	50.0	49.8	
27 Methyl acetate	43	3.428	3.428	0.000	99	586373	100.0	93.0	
30 Methylene Chloride	84	3.562	3.532	0.030	98	448796	50.0	50.6	
31 2-Methyl-2-propanol	59	3.684	3.684	0.000	99	483398	500.0	504.5	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	99	1136722	50.0	50.5	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	96	440819	50.0	50.1	
33 Acrylonitrile	53	3.800	3.794	0.006	97	1401655	500.0	488.2	
35 Hexane	57	3.904	3.904	0.000	94	566912	50.0	51.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	97	792691	50.0	49.4	
37 Vinyl acetate	43	4.160	4.154	0.006	97	1806916	100.0	108.9	
44 2,2-Dichloropropane	77	4.580	4.580	0.000	95	460874	50.0	50.6	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	84	495171	50.0	50.0	
43 2-Butanone (MEK)	43	4.635	4.635	0.000	99	937853	250.0	228.2	
48 Chlorobromomethane	128	4.818	4.818	0.000	94	286490	50.0	50.1	
49 Tetrahydrofuran	42	4.836	4.836	0.000	87	241538	100.0	100.9	
50 Chloroform	83	4.873	4.873	0.000	95	816852	50.0	47.6	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	99	709727	50.0	51.0	
52 Cyclohexane	56	4.983	4.983	0.000	94	689321	50.0	52.0	
55 Carbon tetrachloride	117	5.093	5.092	0.000	97	689712	50.0	51.8	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	93	583732	50.0	50.1	
53 Isobutyl alcohol	43	5.263	5.263	0.000	92	488998	1250.0	1202.5	
57 Benzene	78	5.282	5.281	0.001	98	1596094	50.0	49.4	
58 1,2-Dichloroethane	62	5.336	5.336	0.000	98	658588	50.0	48.0	
59 n-Heptane	43	5.391	5.391	0.000	95	571364	50.0	49.8	
62 Trichloroethene	95	5.775	5.775	0.000	96	482450	50.0	50.5	
64 Methylcyclohexane	83	5.873	5.873	0.000	96	664989	50.0	53.9	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	92	435378	50.0	50.4	
66 1,4-Dioxane	88	6.086	6.086	0.000	96	74301	1000.0	1048.0	
67 Dibromomethane	93	6.092	6.092	0.000	95	310375	50.0	50.2	
68 Dichlorobromomethane	83	6.208	6.208	0.000	98	638244	50.0	50.6	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	93	202096	50.0	48.1	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	93	713451	50.0	51.9	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	1912796	250.0	229.9	
74 Toluene	92	6.763	6.763	0.000	98	1037003	50.0	50.4	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	97	659052	50.0	52.6	
75 Ethyl methacrylate	69	6.982	6.982	0.000	91	450629	50.0	47.5	
79 1,1,2-Trichloroethane	83	7.135	7.129	0.006	92	313007	50.0	49.9	
81 Tetrachloroethene	166	7.190	7.190	0.000	96	518855	50.0	51.7	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	95	586877	50.0	49.6	
80 2-Hexanone	43	7.287	7.287	0.000	98	1360175	250.0	228.2	
83 Chlorodibromomethane	129	7.458	7.458	0.000	90	558527	50.0	51.9	
84 Ethylene Dibromide	107	7.549	7.549	0.000	98	437166	50.0	50.2	
87 Chlorobenzene	112	7.909	7.909	0.000	96	1262330	50.0	50.1	
88 Ethylbenzene	91	7.958	7.958	0.000	98	1920352	50.0	49.4	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	96	508287	50.0	51.9	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	98	775887	50.0	49.8	
91 o-Xylene	106	8.385	8.385	0.000	97	770742	50.0	49.8	
92 Styrene	104	8.409	8.409	0.000	96	1287315	50.0	50.2	
95 Bromoform	173	8.628	8.628	0.000	97	359295	50.0	52.3	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	1994068	50.0	51.9	
101 Bromobenzene	156	8.982	8.982	0.000	90	591914	50.0	51.0	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	96	491520	50.0	49.8	
99 N-Propylbenzene	91	9.012	9.012	0.000	99	2295315	50.0	50.2	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	78	153838	50.0	52.7	
100 1,2,3-Trichloropropane	110	9.037	9.031	0.006	87	137977	50.0	50.1	
103 2-Chlorotoluene	126	9.122	9.122	0.000	97	522249	50.0	50.9	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	1733527	50.0	51.4	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	543081	50.0	50.7	
106 tert-Butylbenzene	134	9.427	9.427	0.000	93	365581	50.0	52.8	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	98	1762125	50.0	51.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	2230345	50.0	52.3	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	1966608	50.0	52.2	
111 1,3-Dichlorobenzene	146	9.762	9.756	0.006	98	1084370	50.0	50.3	
113 1,4-Dichlorobenzene	146	9.835	9.835	0.000	95	1094974	50.0	49.4	
115 n-Butylbenzene	91	10.079	10.079	0.000	98	1745033	50.0	51.7	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	98	1084814	50.0	50.4	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	88	103244	50.0	53.0	
119 1,2,4-Trichlorobenzene	180	11.494	11.488	0.006	95	877248	50.0	52.8	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	419673	50.0	54.0	
121 Naphthalene	128	11.701	11.701	0.000	97	1971572	50.0	53.2	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	96	841737	50.0	53.4	
S 126 1,3-Dichloropropene, Total	1				0			104.4	
S 125 1,2-Dichloroethene, Total	1				0			100.0	
S 124 Xylenes, Total	1				0			99.6	
S 123 Total BTEX	1				0			248.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00177	Amount Added: 25.00	Units: uL	
GAS CORP mix_00379	Amount Added: 25.00	Units: uL	
D 8260 IS/SUR_00008	Amount Added: 1.00	Units: uL	Run Reagent

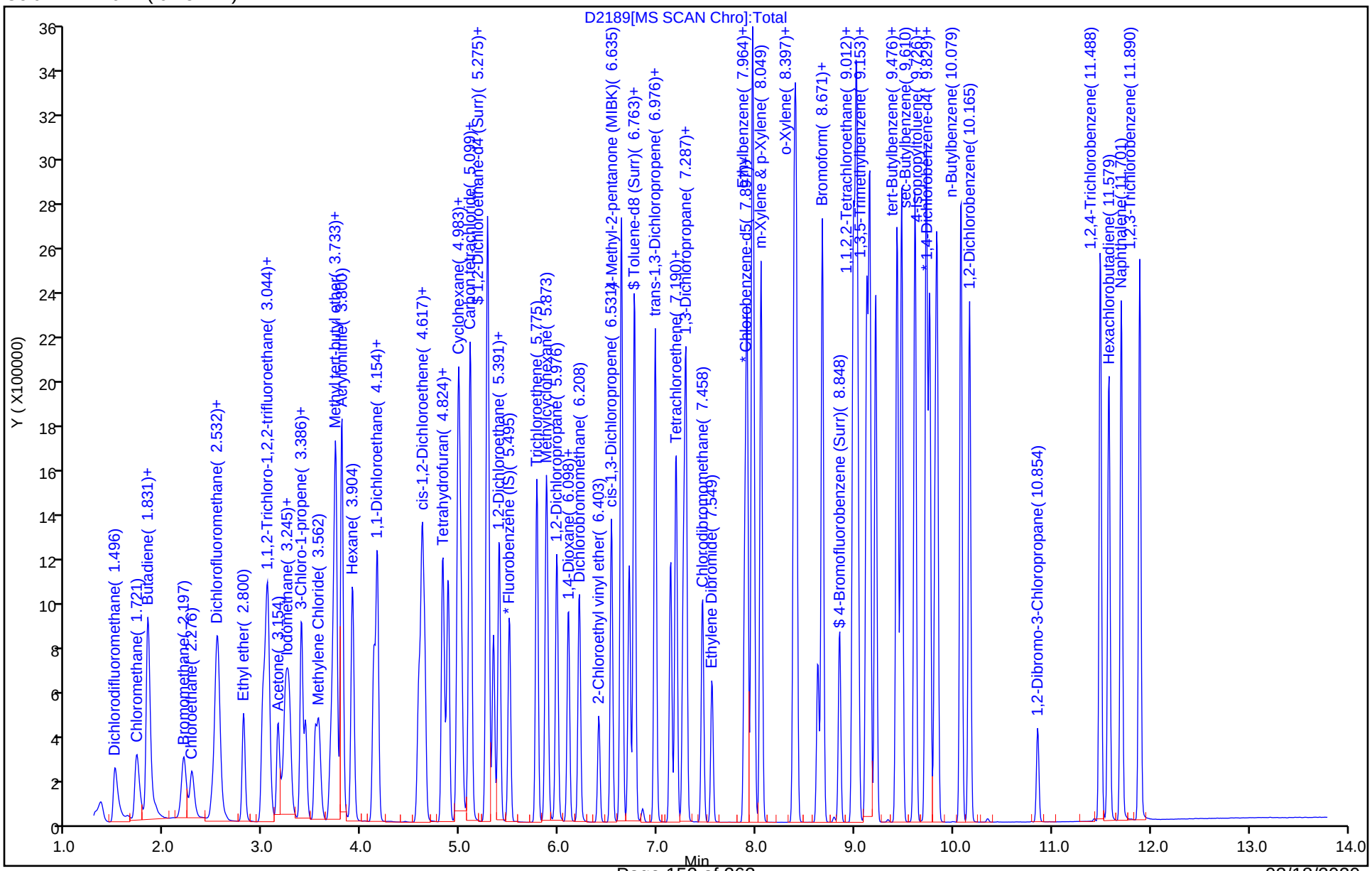
Report Date: 27-Jan-2020 11:07:18 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2189.D

Injection Date:	20-Jan-2020 17:04:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo

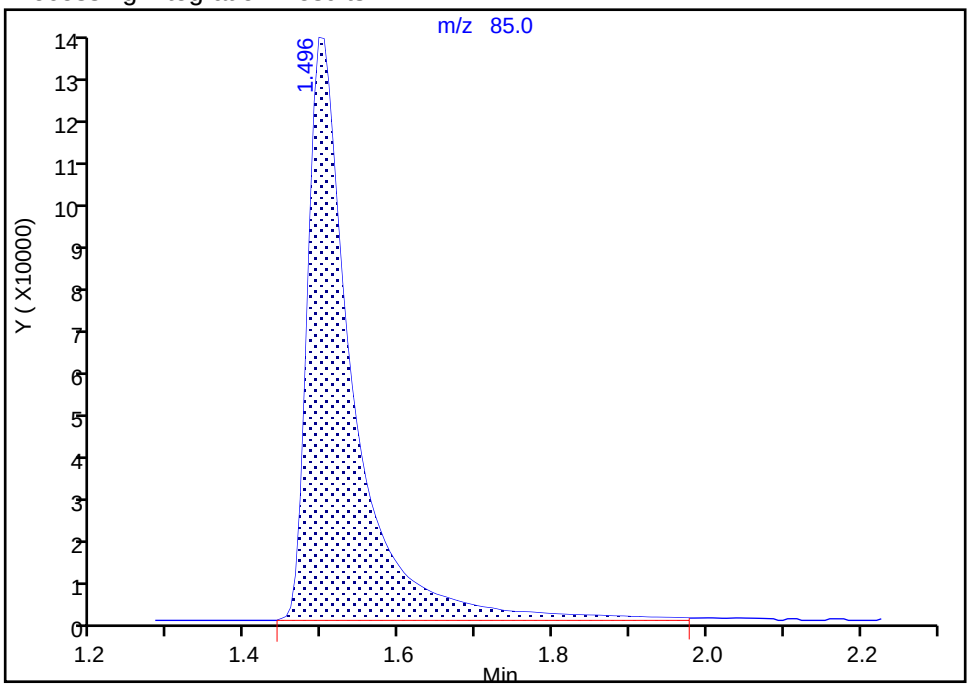
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2189.D
Injection Date: 20-Jan-2020 17:04:30 Instrument ID: HP5975D
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

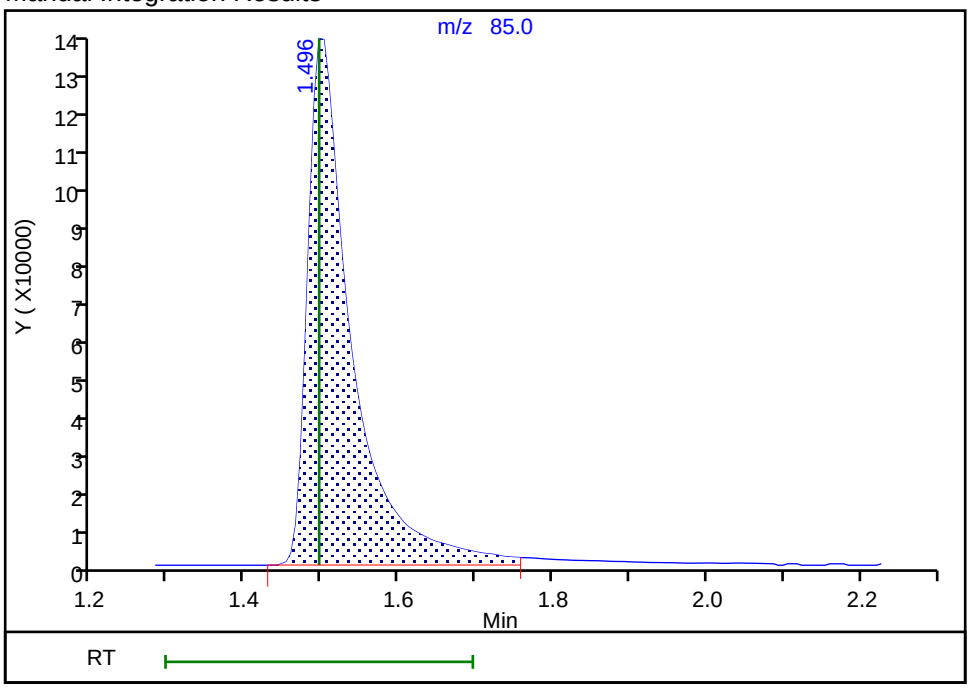
Processing Integration Results

RT: 1.50
Area: 544646
Amount: 52.467387
Amount Units: ug/L



Manual Integration Results

RT: 1.50
Area: 529349
Amount: 49.364822
Amount Units: ug/L



Reviewer: moffata, 21-Jan-2020 11:21:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2190.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 20-Jan-2020 17:27:30 ALS Bottle#: 11 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0087606-014
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:07:28 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 09:32:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	155081	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	330458	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.817	9.817	0.000	95	365779	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.007	5.007	0.000	93	246129	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.276	5.275	0.001	93	129235	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	93	770625	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	279083	25.0	25.1	
10 Dichlorodifluoromethane	85	1.496	1.496	0.000	99	975336	100.0	90.3	
12 Chloromethane	50	1.715	1.715	0.000	99	1189448	100.0	86.4	
144 Butadiene	54	1.831	1.831	0.000	93	889301	100.0	82.6	
13 Vinyl chloride	62	1.831	1.837	-0.006	98	1065567	100.0	95.1	
14 Bromomethane	94	2.197	2.197	0.000	91	771487	100.0	96.0	
15 Chloroethane	64	2.282	2.276	0.006	99	578649	100.0	86.9	
16 Dichlorofluoromethane	67	2.532	2.526	0.006	97	1529473	100.0	93.3	
17 Trichlorofluoromethane	101	2.538	2.532	0.006	99	1243231	100.0	89.8	
18 Ethyl ether	59	2.800	2.800	0.000	97	663067	100.0	96.4	
20 Acrolein	56	2.996	2.995	0.001	99	709122	500.0	474.9	
21 1,1,2-Trichloro-1,2,2-trif	101	3.032	3.032	0.000	94	764566	100.0	96.4	
22 1,1-Dichloroethene	96	3.050	3.044	0.006	97	727346	100.0	94.9	
23 Acetone	43	3.148	3.148	0.000	98	1269809	500.0	440.9	
25 Iodomethane	142	3.227	3.221	0.006	99	1742026	100.0	95.5	
26 Carbon disulfide	76	3.264	3.257	0.007	100	2488813	100.0	93.9	
28 3-Chloro-1-propene	41	3.386	3.385	0.001	88	1240243	100.0	91.5	
27 Methyl acetate	43	3.428	3.428	0.000	99	1165686	200.0	183.7	
30 Methylene Chloride	84	3.562	3.532	0.030	97	863751	100.0	97.4	
31 2-Methyl-2-propanol	59	3.684	3.684	0.000	98	948823	1000.0	983.4	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	99	2206798	100.0	97.3	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	97	857070	100.0	96.7	
33 Acrylonitrile	53	3.794	3.794	0.000	97	2748808	1000.0	950.8	
35 Hexane	57	3.904	3.904	0.000	95	1020898	100.0	91.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.123	4.123	0.000	97	1534228	100.0	95.0	
37 Vinyl acetate	43	4.154	4.154	0.000	97	3589976	200.0	214.9	
44 2,2-Dichloropropane	77	4.581	4.580	0.001	94	848902	100.0	92.6	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	83	958080	100.0	96.0	
43 2-Butanone (MEK)	43	4.635	4.635	0.000	99	1846264	500.0	446.2	
48 Chlorobromomethane	128	4.818	4.818	0.000	98	562556	100.0	97.7	
49 Tetrahydrofuran	42	4.837	4.836	0.001	87	468053	200.0	195.8	
50 Chloroform	83	4.873	4.873	0.000	94	1582073	100.0	91.5	
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	99	1350130	100.0	96.4	
52 Cyclohexane	56	4.983	4.983	0.000	94	1246391	100.0	93.5	
55 Carbon tetrachloride	117	5.093	5.092	0.001	97	1319463	100.0	98.3	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	94	1119531	100.0	95.5	
53 Isobutyl alcohol	43	5.263	5.263	0.000	92	948717	2500.0	2316.7	
57 Benzene	78	5.282	5.281	0.001	98	3089886	100.0	95.0	
58 1,2-Dichloroethane	62	5.337	5.336	0.001	98	1258030	100.0	91.1	
59 n-Heptane	43	5.391	5.391	0.000	95	1030775	100.0	89.2	
62 Trichloroethene	95	5.775	5.775	0.000	96	925595	100.0	96.2	
64 Methylcyclohexane	83	5.873	5.873	0.000	94	1199699	100.0	96.6	
65 1,2-Dichloropropane	63	5.977	5.976	0.001	92	833648	100.0	95.9	
66 1,4-Dioxane	88	6.086	6.086	0.000	98	145366	2000.0	2048.5	
67 Dibromomethane	93	6.092	6.092	0.000	95	599225	100.0	96.3	
68 Dichlorobromomethane	83	6.208	6.208	0.000	98	1244110	100.0	98.0	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	93	429429	100.0	101.6	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	93	1380399	100.0	99.6	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	3742026	500.0	449.3	
74 Toluene	92	6.763	6.763	0.000	98	2002824	100.0	97.2	
77 trans-1,3-Dichloropropene	75	6.976	6.976	0.000	97	1290419	100.0	102.8	
75 Ethyl methacrylate	69	6.983	6.982	0.001	91	898932	100.0	94.6	
79 1,1,2-Trichloroethane	83	7.135	7.129	0.006	92	609816	100.0	97.1	
81 Tetrachloroethene	166	7.190	7.190	0.000	96	990622	100.0	98.6	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	96	1143833	100.0	96.6	
80 2-Hexanone	43	7.287	7.287	0.000	98	2637762	500.0	442.2	
83 Chlorodibromomethane	129	7.458	7.458	0.000	90	1103230	100.0	102.5	
84 Ethylene Dibromide	107	7.550	7.549	0.001	98	858553	100.0	98.5	
87 Chlorobenzene	112	7.909	7.909	0.000	96	2440552	100.0	96.8	
88 Ethylbenzene	91	7.958	7.958	0.000	98	3770141	100.0	96.8	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	96	989494	100.0	101.0	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	98	1525793	100.0	97.8	
91 o-Xylene	106	8.385	8.385	0.000	97	1520709	100.0	98.2	
92 Styrene	104	8.409	8.409	0.000	96	2581868	100.0	100.5	
95 Bromoform	173	8.622	8.628	-0.006	97	729987	100.0	106.3	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	3874238	100.0	99.5	
101 Bromobenzene	156	8.982	8.982	0.000	90	1182729	100.0	100.5	
97 1,1,2,2-Tetrachloroethane	83	8.994	8.994	0.000	96	974091	100.0	97.4	
99 N-Propylbenzene	91	9.013	9.012	0.001	99	4530631	100.0	97.7	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	79	312932	100.0	105.7	
100 1,2,3-Trichloropropane	110	9.037	9.031	0.006	86	276626	100.0	99.0	
103 2-Chlorotoluene	126	9.122	9.122	0.000	97	1032625	100.0	99.3	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	3400956	100.0	99.5	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	1071594	100.0	98.6	
106 tert-Butylbenzene	134	9.427	9.427	0.000	93	718054	100.0	102.3	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	98	3479341	100.0	99.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	4307417	100.0	99.6	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	3831785	100.0	100.4	
111 1,3-Dichlorobenzene	146	9.762	9.756	0.006	98	2143073	100.0	98.0	
113 1,4-Dichlorobenzene	146	9.836	9.835	0.001	95	2173108	100.0	96.7	
115 n-Butylbenzene	91	10.079	10.079	0.000	98	3388564	100.0	99.0	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	98	2135251	100.0	97.7	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	88	203368	100.0	103.0	
119 1,2,4-Trichlorobenzene	180	11.488	11.488	0.000	95	1696714	100.0	100.6	
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	801817	100.0	101.6	
121 Naphthalene	128	11.701	11.701	0.000	97	3837363	100.0	102.0	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	96	1608745	100.0	100.7	
S 126 1,3-Dichloropropene, Total	1				0			202.5	
S 125 1,2-Dichloroethene, Total	1				0			192.7	
S 124 Xylenes, Total	1				0			196.0	
S 123 Total BTEX	1				0			485.0	

Reagents:

8260 CORP mix_00177	Amount Added:	50.00	Units: uL	
GAS CORP mix_00379	Amount Added:	50.00	Units: uL	
D 8260 IS/SUR_00008	Amount Added:	1.00	Units: uL	Run Reagent

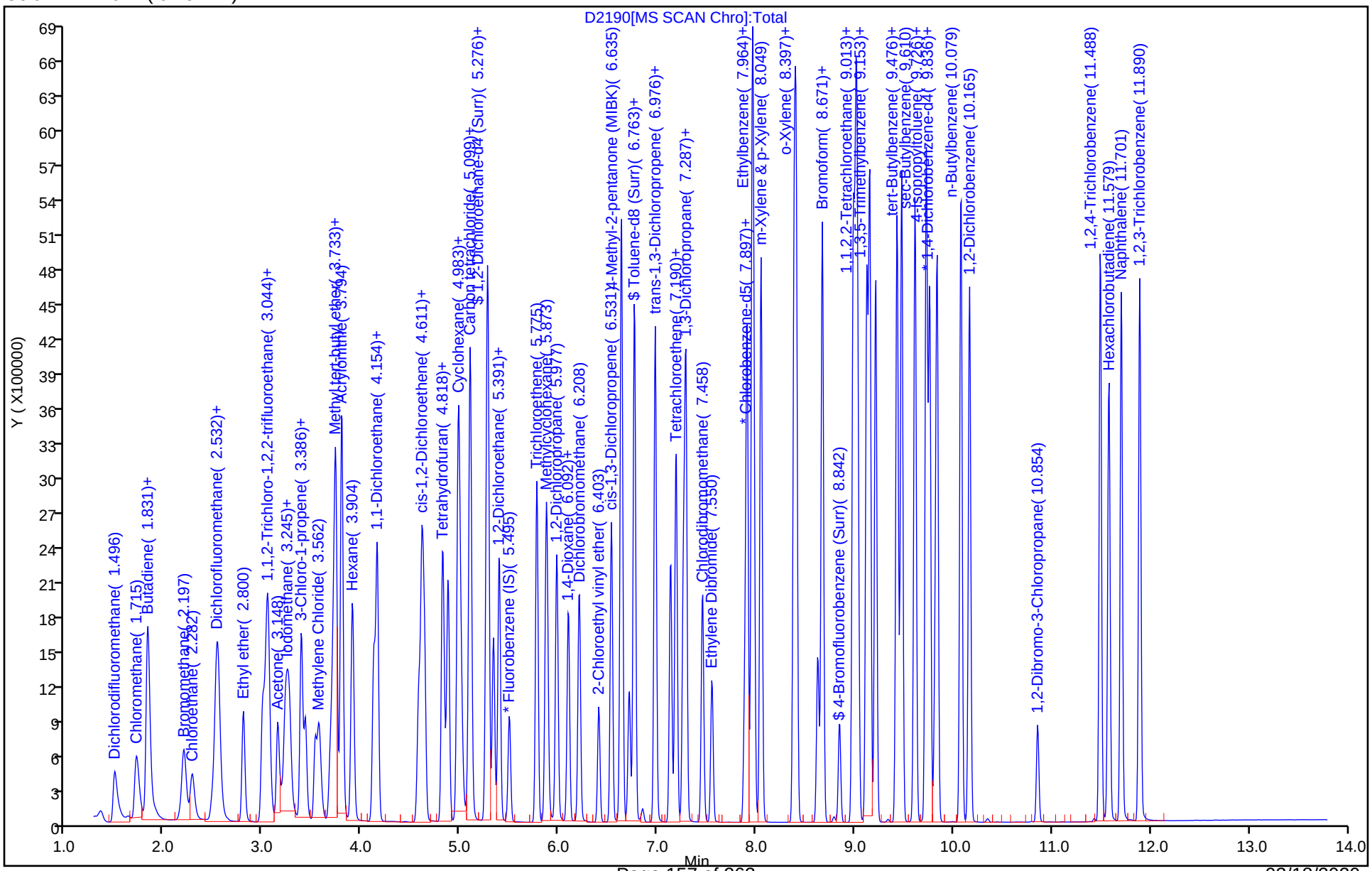
Report Date: 27-Jan-2020 11:07:32 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2190.D

Injection Date:	20-Jan-2020 17:27:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab Sample ID: ICV 480-514167/28 Calibration Date: 01/20/2020 22:49

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D2204.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl ether	Ave	1.109	1.131		25.5	25.0	2.0	30.0
Acrolein	Ave	0.2407	0.2198		114	125	-8.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.279	1.498	0.1000	29.3	25.0	17.2	30.0
1,1-Dichloroethene	Ave	1.236	1.343	0.1000	27.2	25.0	8.6	30.0
Acetone	Ave	0.4642	0.4374	0.1000	118	125	-5.8	50.0
Iodomethane	Ave	2.940	3.147		26.8	25.0	7.0	30.0
Carbon disulfide	Ave	4.274	4.627	0.1000	27.1	25.0	8.3	30.0
Allyl chloride	Ave	2.184	2.273		26.0	25.0	4.0	30.0
Methyl acetate	Ave	1.023	0.9600	0.1000	46.9	50.0	-6.2	50.0
Methylene Chloride	Lin1		1.556	0.1000	26.7	25.0	6.8	30.0
2-Methyl-2-propanol	Ave	0.1555	0.1560		251	250	0.3	50.0
Methyl tert-butyl ether	Ave	3.656	3.810	0.1000	26.1	25.0	4.2	30.0
trans-1,2-Dichloroethene	Ave	1.429	1.534	0.1000	26.8	25.0	7.4	30.0
Acrylonitrile	Ave	0.4660	0.4605		247	250	-1.2	30.0
Hexane	Ave	1.805	1.946		27.0	25.0	7.9	30.0
1,1-Dichloroethane	Ave	2.605	2.724	0.2000	26.1	25.0	4.6	30.0
Vinyl acetate	Ave	2.693	2.784		51.7	50.0	3.3	30.0
2,2-Dichloropropane	Ave	1.478	1.441		24.4	25.0	-2.6	30.0
cis-1,2-Dichloroethene	Ave	1.609	1.699	0.1000	26.4	25.0	5.6	30.0
2-Butanone (MEK)	Ave	0.6671	0.6114	0.1000	115	125	-8.4	30.0
Chlorobromomethane	Ave	0.9284	0.9748		26.2	25.0	5.0	30.0
Tetrahydrofuran	Lin1		0.4026		50.9	50.0	1.8	30.0
Chloroform	Ave	2.787	2.803	0.2000	25.1	25.0	0.6	30.0
1,1,1-Trichloroethane	Ave	2.257	2.465	0.1000	27.3	25.0	9.2	30.0
Cyclohexane	Ave	2.150	2.413	0.1000	28.1	25.0	12.2	30.0
Carbon tetrachloride	Ave	2.163	2.390	0.1000	27.6	25.0	10.5	30.0
1,1-Dichloropropene	Ave	1.890	2.041		27.0	25.0	8.0	30.0
Isobutyl alcohol	Ave	0.0660	0.0622		589	625	-5.7	50.0
Benzene	Ave	5.243	5.483	0.5000	26.1	25.0	4.6	30.0
1,2-Dichloroethane	Ave	2.226	2.226	0.1000	25.0	25.0	0.0	30.0
n-Heptane	Ave	1.863	1.888		25.3	25.0	1.4	30.0
Trichloroethene	Ave	1.551	1.656	0.2000	26.7	25.0	6.8	30.0
Methylcyclohexane	Ave	2.001	2.303	0.1000	28.8	25.0	15.0	30.0
1,2-Dichloropropane	Ave	1.402	1.447	0.1000	25.8	25.0	3.2	30.0
1,4-Dioxane	Ave	0.0054	0.0050		468	500	-6.4	50.0
Dibromomethane	Ave	1.003	1.047	0.1000	26.1	25.0	4.4	30.0
Bromodichloromethane	Ave	2.046	2.112	0.2000	25.8	25.0	3.2	30.0
2-Chloroethyl vinyl ether	Ave	0.6815	0.6836		25.1	25.0	0.3	30.0
cis-1,3-Dichloropropene	Ave	2.234	2.289	0.2000	25.6	25.0	2.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6301	0.6058	0.1000	120	125	-3.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab Sample ID: ICV 480-514167/28 Calibration Date: 01/20/2020 22:49

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D2204.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.558	1.608	0.4000	25.8	25.0	3.2	30.0
trans-1,3-Dichloropropene	Ave	0.9494	0.9761	0.1000	25.7	25.0	2.8	30.0
Ethyl methacrylate	Ave	0.7187	0.7091		24.7	25.0	-1.3	30.0
1,1,2-Trichloroethane	Ave	0.4750	0.4788	0.1000	25.2	25.0	0.8	30.0
Tetrachloroethene	Ave	0.7598	0.8174	0.2000	26.9	25.0	7.6	30.0
1,3-Dichloropropane	Ave	0.8962	0.9028		25.2	25.0	0.7	30.0
2-Hexanone	Ave	0.4513	0.4403	0.1000	122	125	-2.4	30.0
Dibromochloromethane	Ave	0.8144	0.8480	0.1000	26.0	25.0	4.1	30.0
1,2-Dibromoethane	Ave	0.6596	0.6744		25.6	25.0	2.2	30.0
Chlorobenzene	Ave	1.907	1.973	0.5000	25.9	25.0	3.4	30.0
Ethylbenzene	Ave	2.946	3.052	0.1000	25.9	25.0	3.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.7414	0.7888		26.6	25.0	6.4	30.0
m,p-Xylene	Ave	1.181	1.219	0.1000	25.8	25.0	3.3	30.0
o-Xylene	Ave	1.171	1.211	0.3000	25.8	25.0	3.4	30.0
Styrene	Ave	1.943	2.023	0.3000	26.0	25.0	4.1	30.0
Bromoform	Ave	0.5198	0.5394	0.1000	25.9	25.0	3.8	50.0
Isopropylbenzene	Ave	2.661	2.803	0.1000	26.3	25.0	5.3	30.0
Bromobenzene	Ave	0.8043	0.8263		25.7	25.0	2.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6836	0.6744	0.3000	24.7	25.0	-1.3	30.0
N-Propylbenzene	Ave	3.170	3.236		25.5	25.0	2.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2023	0.2043		25.2	25.0	1.0	50.0
1,2,3-Trichloropropane	Ave	0.1910	0.1930		25.3	25.0	1.1	30.0
2-Chlorotoluene	Ave	0.7109	0.7301		25.7	25.0	2.7	30.0
1,3,5-Trimethylbenzene	Ave	2.337	2.441		26.1	25.0	4.4	30.0
4-Chlorotoluene	Ave	0.7427	0.7650		25.8	25.0	3.0	30.0
tert-Butylbenzene	Ave	0.4799	0.5107		26.6	25.0	6.4	30.0
1,2,4-Trimethylbenzene	Ave	2.392	2.459		25.7	25.0	2.8	30.0
sec-Butylbenzene	Ave	2.957	3.125		26.4	25.0	5.7	30.0
4-Isopropyltoluene	Ave	2.610	2.758		26.4	25.0	5.7	30.0
1,3-Dichlorobenzene	Ave	1.495	1.516	0.6000	25.4	25.0	1.4	30.0
1,4-Dichlorobenzene	Ave	1.536	1.539	0.5000	25.0	25.0	0.2	30.0
n-Butylbenzene	Ave	2.340	2.446		26.1	25.0	4.5	30.0
1,2-Dichlorobenzene	Ave	1.493	1.515	0.4000	25.4	25.0	1.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1350	0.1372	0.0500	25.4	25.0	1.6	50.0
1,2,4-Trichlorobenzene	Ave	1.152	1.205	0.2000	26.1	25.0	4.6	30.0
Hexachlorobutadiene	Ave	0.5392	0.5877		27.2	25.0	9.0	30.0
Naphthalene	Ave	2.571	2.654		25.8	25.0	3.2	30.0
1,2,3-Trichlorobenzene	Ave	1.092	1.151		26.3	25.0	5.3	30.0
Dibromofluoromethane (Surr)	Ave	1.623	1.662		25.6	25.0	2.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8555	0.8638		25.2	25.0	1.0	30.0
Toluene-d8 (Surr)	Ave	2.334	2.342		25.1	25.0	0.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab Sample ID: ICV 480-514167/28 Calibration Date: 01/20/2020 22:49

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D2204.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Bromofluorobenzene (Surr)	Ave	0.8417	0.8458		25.1	25.0	0.5	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2204.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 20-Jan-2020 22:49:30 ALS Bottle#: 25 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0087606-028
Operator ID: LH Instrument ID: HP5975D
Sublist:

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:03:07 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 13:18:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.495	5.495	0.000	99	148952	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.885	7.885	0.000	86	320243	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.811	9.811	0.000	95	362167	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.007	5.007	0.000	94	247581	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.276	5.275	0.001	99	128665	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	6.714	6.714	0.000	94	750165	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	8.848	8.848	0.000	94	270865	25.0	25.1	
18 Ethyl ether	59	2.800	2.800	0.000	96	168488	25.0	25.5	
20 Acrolein	56	2.995	2.995	0.000	98	163724	125.0	114.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.026	3.032	-0.006	93	223195	25.0	29.3	
22 1,1-Dichloroethene	96	3.044	3.044	0.000	97	199977	25.0	27.2	
23 Acetone	43	3.148	3.148	0.000	98	325720	125.0	117.8	
25 Iodomethane	142	3.215	3.221	-0.006	99	468678	25.0	26.8	
26 Carbon disulfide	76	3.258	3.257	0.001	100	689126	25.0	27.1	
28 3-Chloro-1-propene	41	3.386	3.385	0.001	88	338526	25.0	26.0	
27 Methyl acetate	43	3.428	3.428	0.000	99	285976	50.0	46.9	
30 Methylene Chloride	84	3.550	3.532	0.018	97	231706	25.0	26.7	
31 2-Methyl-2-propanol	59	3.684	3.684	0.000	97	232343	250.0	250.7	
32 Methyl tert-butyl ether	73	3.721	3.721	0.000	98	567506	25.0	26.1	
34 trans-1,2-Dichloroethene	96	3.739	3.739	0.000	96	228515	25.0	26.8	
33 Acrylonitrile	53	3.794	3.794	0.000	97	685982	250.0	247.0	
35 Hexane	57	3.904	3.904	0.000	94	289894	25.0	27.0	
39 1,1-Dichloroethane	63	4.123	4.123	0.000	97	405682	25.0	26.1	
37 Vinyl acetate	43	4.154	4.154	0.000	97	829223	50.0	51.7	
44 2,2-Dichloropropane	77	4.581	4.580	0.001	94	214565	25.0	24.4	
45 cis-1,2-Dichloroethene	96	4.611	4.611	0.000	85	253008	25.0	26.4	
43 2-Butanone (MEK)	43	4.635	4.635	0.000	99	455342	125.0	114.6	
48 Chlorobromomethane	128	4.818	4.818	0.000	93	145195	25.0	26.2	
49 Tetrahydrofuran	42	4.837	4.836	0.001	87	119941	50.0	50.9	
50 Chloroform	83	4.873	4.873	0.000	95	417476	25.0	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
51 1,1,1-Trichloroethane	97	4.977	4.977	0.000	99	367234	25.0	27.3	
52 Cyclohexane	56	4.983	4.983	0.000	94	359373	25.0	28.1	
55 Carbon tetrachloride	117	5.093	5.092	0.001	97	355985	25.0	27.6	
54 1,1-Dichloropropene	75	5.105	5.105	0.000	93	304004	25.0	27.0	
53 Isobutyl alcohol	43	5.263	5.263	0.000	92	231728	625.0	589.2	
57 Benzene	78	5.282	5.281	0.001	97	816774	25.0	26.1	
58 1,2-Dichloroethane	62	5.336	5.336	0.000	98	331582	25.0	25.0	
59 n-Heptane	43	5.391	5.391	0.000	95	281213	25.0	25.3	
62 Trichloroethene	95	5.775	5.775	0.000	96	246658	25.0	26.7	
64 Methylcyclohexane	83	5.873	5.873	0.000	94	342983	25.0	28.8	
65 1,2-Dichloropropane	63	5.977	5.976	0.001	92	215591	25.0	25.8	
66 1,4-Dioxane	88	6.086	6.086	0.000	95	32200	500.0	468.2	
67 Dibromomethane	93	6.092	6.092	0.000	95	156022	25.0	26.1	
68 Dichlorobromomethane	83	6.202	6.208	-0.006	98	314582	25.0	25.8	
69 2-Chloroethyl vinyl ether	63	6.403	6.403	0.000	94	101822	25.0	25.1	
72 cis-1,3-Dichloropropene	75	6.531	6.531	0.000	93	340970	25.0	25.6	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.635	0.000	98	969981	125.0	120.2	
74 Toluene	92	6.763	6.763	0.000	98	515055	25.0	25.8	
77 trans-1,3-Dichloropropene	75	6.970	6.976	-0.006	97	312589	25.0	25.7	
75 Ethyl methacrylate	69	6.976	6.982	-0.006	91	227091	25.0	24.7	
79 1,1,2-Trichloroethane	83	7.129	7.129	0.000	92	153340	25.0	25.2	
81 Tetrachloroethene	166	7.190	7.190	0.000	96	261760	25.0	26.9	
82 1,3-Dichloropropane	76	7.263	7.263	0.000	95	289114	25.0	25.2	
80 2-Hexanone	43	7.287	7.287	0.000	98	705004	125.0	122.0	
83 Chlorodibromomethane	129	7.458	7.458	0.000	90	271569	25.0	26.0	
84 Ethylene Dibromide	107	7.549	7.549	0.000	98	215971	25.0	25.6	
87 Chlorobenzene	112	7.909	7.909	0.000	97	631775	25.0	25.9	
88 Ethylbenzene	91	7.958	7.958	0.000	98	977317	25.0	25.9	
89 1,1,1,2-Tetrachloroethane	131	7.976	7.976	0.000	96	252596	25.0	26.6	
90 m-Xylene & p-Xylene	106	8.049	8.049	0.000	99	390467	25.0	25.8	
91 o-Xylene	106	8.385	8.385	0.000	97	387813	25.0	25.8	
92 Styrene	104	8.409	8.409	0.000	96	647769	25.0	26.0	
95 Bromoform	173	8.622	8.628	-0.006	97	172739	25.0	25.9	
94 Isopropylbenzene	105	8.671	8.671	0.000	96	1015225	25.0	26.3	
101 Bromobenzene	156	8.982	8.982	0.000	89	299249	25.0	25.7	
97 1,1,2,2-Tetrachloroethane	83	8.988	8.994	-0.006	94	244250	25.0	24.7	
99 N-Propylbenzene	91	9.013	9.012	0.001	99	1171831	25.0	25.5	
98 trans-1,4-Dichloro-2-buten	53	9.025	9.025	0.000	77	73985	25.0	25.2	
100 1,2,3-Trichloropropane	110	9.031	9.031	0.000	88	69884	25.0	25.3	
103 2-Chlorotoluene	126	9.122	9.122	0.000	98	264415	25.0	25.7	
102 1,3,5-Trimethylbenzene	105	9.153	9.153	0.000	94	883942	25.0	26.1	
105 4-Chlorotoluene	126	9.214	9.214	0.000	97	277044	25.0	25.8	
106 tert-Butylbenzene	134	9.427	9.427	0.000	92	184973	25.0	26.6	
107 1,2,4-Trimethylbenzene	105	9.476	9.476	0.000	97	890666	25.0	25.7	
109 sec-Butylbenzene	105	9.610	9.610	0.000	94	1131851	25.0	26.4	
110 4-Isopropyltoluene	119	9.726	9.726	0.000	97	998702	25.0	26.4	
111 1,3-Dichlorobenzene	146	9.756	9.756	0.000	98	549143	25.0	25.4	
113 1,4-Dichlorobenzene	146	9.836	9.835	0.001	96	557401	25.0	25.0	
115 n-Butylbenzene	91	10.073	10.079	-0.006	98	885852	25.0	26.1	
116 1,2-Dichlorobenzene	146	10.165	10.165	0.000	99	548824	25.0	25.4	
117 1,2-Dibromo-3-Chloropropan	75	10.854	10.854	0.000	87	49677	25.0	25.4	
119 1,2,4-Trichlorobenzene	180	11.488	11.488	0.000	95	436415	25.0	26.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
120 Hexachlorobutadiene	225	11.579	11.579	0.000	98	212853	25.0	27.2	
121 Naphthalene	128	11.701	11.701	0.000	97	961103	25.0	25.8	
122 1,2,3-Trichlorobenzene	180	11.890	11.890	0.000	96	416683	25.0	26.3	

Reagents:

SS 8260 CORP_00081	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00008	Amount Added: 1.00	Units: uL	Run Reagent

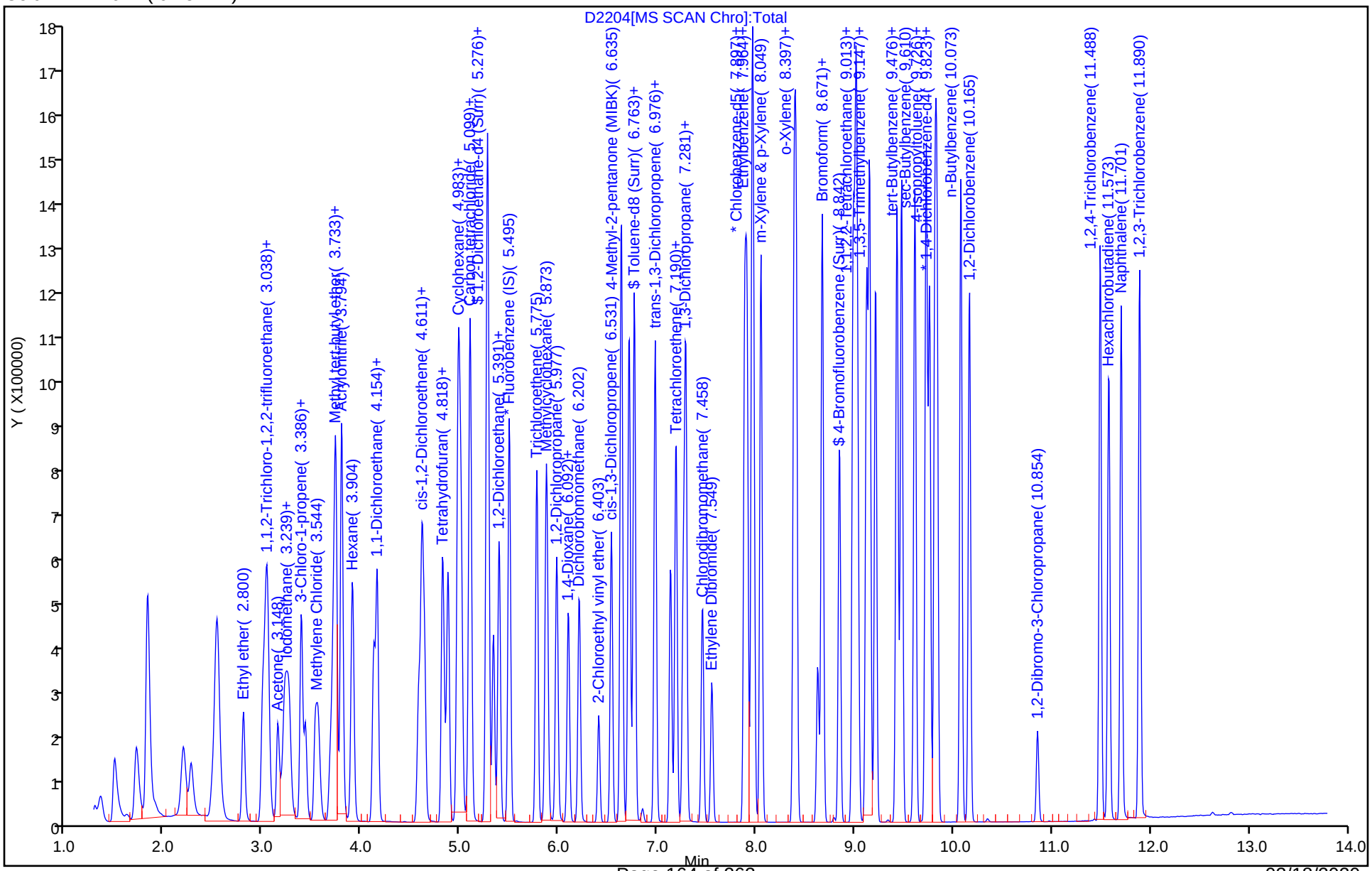
Report Date: 27-Jan-2020 11:04:03 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2204.D

Injection Date:	20-Jan-2020 22:49:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	ICV			Worklist Smp#:	28
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab Sample ID: CCVIS 480-520696/3 Calibration Date: 03/10/2020 09:33

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D29290.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.741	1.353	0.1000	19.4	25.0	-22.3	50.0
Chloromethane	Ave	2.220	1.829	0.1000	20.6	25.0	-17.6	20.0
Butadiene	Ave	1.736	1.413		20.3	25.0	-18.6	20.0
Vinyl chloride	Ave	1.806	1.606	0.1000	22.2	25.0	-11.1	20.0
Bromomethane	Ave	1.296	1.133	0.1000	21.9	25.0	-12.6	50.0
Chloroethane	Ave	1.073	0.8436	0.1000	19.6	25.0	-21.4	50.0
Dichlorofluoromethane	Ave	2.643	2.249		21.3	25.0	-14.9	20.0
Trichlorofluoromethane	Ave	2.232	1.920	0.1000	21.5	25.0	-14.0	20.0
Ethyl ether	Ave	1.109	1.080		24.3	25.0	-2.6	20.0
Acrolein	Ave	0.2407	0.1244		64.6	125	-48.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.279	1.311	0.1000	25.6	25.0	2.5	20.0
1,1-Dichloroethene	Ave	1.236	1.231	0.1000	24.9	25.0	-0.4	20.0
Acetone	Ave	0.4642	0.3614	0.1000	97.3	125	-22.2	50.0
Iodomethane	Ave	2.940	2.728		23.2	25.0	-7.2	20.0
Carbon disulfide	Ave	4.274	4.383	0.1000	25.6	25.0	2.6	20.0
Allyl chloride	Ave	2.184	2.075		23.7	25.0	-5.0	20.0
Methyl acetate	Ave	1.023	0.8634	0.1000	42.2	50.0	-15.6	50.0
Methylene Chloride	Lin1		1.503	0.1000	25.8	25.0	3.0	20.0
2-Methyl-2-propanol	Ave	0.1555	0.1250		201	250	-19.6	50.0
Methyl tert-butyl ether	Ave	3.656	3.244	0.1000	22.2	25.0	-11.3	20.0
trans-1,2-Dichloroethene	Ave	1.429	1.415	0.1000	24.8	25.0	-1.0	20.0
Acrylonitrile	Ave	0.4660	0.4357		234	250	-6.5	20.0
Hexane	Ave	1.805	1.874		26.0	25.0	3.8	20.0
1,1-Dichloroethane	Ave	2.605	2.548	0.2000	24.5	25.0	-2.2	20.0
Vinyl acetate	Ave	2.693	2.356		43.7	50.0	-12.5	20.0
2,2-Dichloropropane	Ave	1.478	1.358		23.0	25.0	-8.2	20.0
cis-1,2-Dichloroethene	Ave	1.609	1.588	0.1000	24.7	25.0	-1.3	20.0
2-Butanone (MEK)	Ave	0.6671	0.5457	0.1000	102	125	-18.2	20.0
Chlorobromomethane	Ave	0.9284	0.8736		23.5	25.0	-5.9	20.0
Tetrahydrofuran	Lin1		0.3520		44.3	50.0	-11.4	20.0
Chloroform	Ave	2.787	2.494	0.2000	22.4	25.0	-10.5	20.0
1,1,1-Trichloroethane	Ave	2.257	2.029	0.1000	22.5	25.0	-10.1	20.0
Cyclohexane	Ave	2.150	2.292	0.1000	26.6	25.0	6.6	20.0
Carbon tetrachloride	Ave	2.163	1.921	0.1000	22.2	25.0	-11.2	20.0
1,1-Dichloropropene	Ave	1.890	1.855		24.5	25.0	-1.9	20.0
Isobutyl alcohol	Ave	0.0660	0.0542		513	625	-17.9	50.0
Benzene	Ave	5.243	5.336	0.5000	25.4	25.0	1.8	20.0
1,2-Dichloroethane	Ave	2.226	1.766	0.1000	19.8	25.0	-20.7*	20.0
n-Heptane	Ave	1.863	1.893		25.4	25.0	1.6	20.0
Trichloroethene	Ave	1.551	1.503	0.2000	24.2	25.0	-3.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab Sample ID: CCVIS 480-520696/3 Calibration Date: 03/10/2020 09:33

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D29290.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.001	2.202	0.1000	27.5	25.0	10.0	20.0
1,2-Dichloropropane	Ave	1.402	1.467	0.1000	26.2	25.0	4.6	20.0
1,4-Dioxane	Ave	0.0054	0.0052		480	500	-3.9	50.0
Dibromomethane	Ave	1.003	0.9047	0.1000	22.5	25.0	-9.8	20.0
Bromodichloromethane	Ave	2.046	1.858	0.2000	22.7	25.0	-9.2	20.0
2-Chloroethyl vinyl ether	Ave	0.6815	0.7175		26.3	25.0	5.3	20.0
cis-1,3-Dichloropropene	Ave	2.234	2.240	0.2000	25.1	25.0	0.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6301	0.5469	0.1000	109	125	-13.2	20.0
Toluene	Ave	1.558	1.586	0.4000	25.4	25.0	1.7	20.0
trans-1,3-Dichloropropene	Ave	0.9494	0.9206	0.1000	24.2	25.0	-3.0	20.0
Ethyl methacrylate	Ave	0.7187	0.7069		24.6	25.0	-1.7	20.0
1,1,2-Trichloroethane	Ave	0.4750	0.4778	0.1000	25.1	25.0	0.6	20.0
Tetrachloroethene	Ave	0.7598	0.7490	0.2000	24.6	25.0	-1.4	20.0
1,3-Dichloropropane	Ave	0.8962	0.8964		25.0	25.0	0.0	20.0
2-Hexanone	Ave	0.4513	0.3956	0.1000	110	125	-12.3	20.0
Dibromochloromethane	Ave	0.8144	0.7354	0.1000	22.6	25.0	-9.7	20.0
1,2-Dibromoethane	Ave	0.6596	0.6244		23.7	25.0	-5.3	20.0
Chlorobenzene	Ave	1.907	1.900	0.5000	24.9	25.0	-0.4	20.0
Ethylbenzene	Ave	2.946	2.977	0.1000	25.3	25.0	1.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7414	0.6940		23.4	25.0	-6.4	20.0
m,p-Xylene	Ave	1.181	1.199	0.1000	25.4	25.0	1.5	20.0
o-Xylene	Ave	1.171	1.159	0.3000	24.7	25.0	-1.0	20.0
Styrene	Ave	1.943	1.978	0.3000	25.5	25.0	1.8	20.0
Bromoform	Ave	0.5198	0.4588	0.1000	22.1	25.0	-11.7	50.0
Isopropylbenzene	Ave	2.661	2.775	0.1000	26.1	25.0	4.3	20.0
Bromobenzene	Ave	0.8043	0.7968		24.8	25.0	-0.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6836	0.6957	0.3000	25.4	25.0	1.8	20.0
N-Propylbenzene	Ave	3.170	3.350		26.4	25.0	5.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2023	0.1775		21.9	25.0	-12.3	50.0
1,2,3-Trichloropropane	Ave	0.1910	0.1822		23.9	25.0	-4.6	20.0
2-Chlorotoluene	Ave	0.7109	0.7202		25.3	25.0	1.3	20.0
1,3,5-Trimethylbenzene	Ave	2.337	2.409		25.8	25.0	3.1	20.0
4-Chlorotoluene	Ave	0.7427	0.7555		25.4	25.0	1.7	20.0
tert-Butylbenzene	Ave	0.4799	0.4870		25.4	25.0	1.5	20.0
1,2,4-Trimethylbenzene	Ave	2.392	2.458		25.7	25.0	2.8	20.0
sec-Butylbenzene	Ave	2.957	3.096		26.2	25.0	4.7	20.0
4-Isopropyltoluene	Ave	2.610	2.694		25.8	25.0	3.2	20.0
1,3-Dichlorobenzene	Ave	1.495	1.488	0.6000	24.9	25.0	-0.5	20.0
1,4-Dichlorobenzene	Ave	1.536	1.519	0.5000	24.7	25.0	-1.1	20.0
n-Butylbenzene	Ave	2.340	2.470		26.4	25.0	5.5	20.0
1,2-Dichlorobenzene	Ave	1.493	1.482	0.4000	24.8	25.0	-0.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab Sample ID: CCVIS 480-520696/3 Calibration Date: 03/10/2020 09:33

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D29290.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1350	0.1124	0.0500	20.8	25.0	-16.7	50.0
1,2,4-Trichlorobenzene	Ave	1.152	1.149	0.2000	24.9	25.0	-0.2	20.0
Hexachlorobutadiene	Ave	0.5392	0.5529		25.6	25.0	2.5	20.0
Naphthalene	Ave	2.571	2.430		23.6	25.0	-5.5	20.0
1,2,3-Trichlorobenzene	Ave	1.092	1.074		24.6	25.0	-1.7	20.0
Dibromofluoromethane (Surr)	Ave	1.623	1.517		23.4	25.0	-6.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8555	0.7691		22.5	25.0	-10.1	20.0
Toluene-d8 (Surr)	Ave	2.334	2.420		25.9	25.0	3.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8417	0.8171		24.3	25.0	-2.9	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29290.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Mar-2020 09:33:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0088726-003
Operator ID: OI Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Mar-2020 10:01:48 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: izquierdoo Date: 10-Mar-2020 10:01:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.519	5.519	0.000	99	133494	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.909	7.909	0.000	89	288842	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.836	0.000	93	310715	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.038	5.038	0.000	95	202561	25.0	23.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.300	5.300	0.000	99	102669	25.0	22.5	
$ 5 Toluene-d8 (Surr)	98	6.739	6.739	0.000	93	698857	25.0	25.9	
$ 6 4-Bromofluorobenzene (Surr	174	8.866	8.866	0.000	94	236025	25.0	24.3	
10 Dichlorodifluoromethane	85	1.508	1.508	0.000	99	180627	25.0	19.4	
12 Chloromethane	50	1.734	1.734	0.000	99	244158	25.0	20.6	
13 Vinyl chloride	62	1.849	1.849	0.000	71	214442	25.0	22.2	
144 Butadiene	54	1.849	1.849	0.000	90	188664	25.0	20.3	
14 Bromomethane	94	2.215	2.215	0.000	90	151217	25.0	21.9	
15 Chloroethane	64	2.307	2.307	0.000	99	112619	25.0	19.6	
16 Dichlorofluoromethane	67	2.550	2.550	0.000	97	300200	25.0	21.3	
17 Trichlorofluoromethane	101	2.557	2.557	0.000	98	256275	25.0	21.5	
18 Ethyl ether	59	2.825	2.825	0.000	95	144190	25.0	24.3	
20 Acrolein	56	3.020	3.020	0.000	100	83049	125.0	64.6	
21 1,1,2-Trichloro-1,2,2-trif	101	3.063	3.063	0.000	94	175031	25.0	25.6	
22 1,1-Dichloroethene	96	3.075	3.075	0.000	97	164309	25.0	24.9	
23 Acetone	43	3.172	3.172	0.000	100	241235	125.0	97.3	
25 Iodomethane	142	3.258	3.258	0.000	99	364149	25.0	23.2	
26 Carbon disulfide	76	3.282	3.282	0.000	99	585134	25.0	25.6	
28 3-Chloro-1-propene	41	3.416	3.416	0.000	93	276934	25.0	23.7	
27 Methyl acetate	43	3.453	3.453	0.000	98	230528	50.0	42.2	
30 Methylene Chloride	84	3.556	3.556	0.000	98	200600	25.0	25.8	
31 2-Methyl-2-propanol	59	3.709	3.709	0.000	97	166876	250.0	200.9	
32 Methyl tert-butyl ether	73	3.745	3.745	0.000	96	433039	25.0	22.2	
34 trans-1,2-Dichloroethene	96	3.764	3.764	0.000	98	188880	25.0	24.8	
33 Acrylonitrile	53	3.818	3.818	0.000	99	581629	250.0	233.7	
35 Hexane	57	3.934	3.934	0.000	91	250130	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.148	4.148	0.000	96	340122	25.0	24.5	
37 Vinyl acetate	43	4.184	4.184	0.000	97	629015	50.0	43.7	
44 2,2-Dichloropropane	77	4.605	4.605	0.000	90	181218	25.0	23.0	
45 cis-1,2-Dichloroethene	96	4.635	4.635	0.000	80	211987	25.0	24.7	
43 2-Butanone (MEK)	43	4.660	4.660	0.000	100	364255	125.0	102.3	
48 Chlorobromomethane	128	4.843	4.843	0.000	95	116625	25.0	23.5	
49 Tetrahydrofuran	42	4.861	4.861	0.000	89	93980	50.0	44.3	
50 Chloroform	83	4.898	4.898	0.000	93	332938	25.0	22.4	
51 1,1,1-Trichloroethane	97	5.001	5.001	0.000	99	270923	25.0	22.5	
52 Cyclohexane	56	5.013	5.013	0.000	91	305925	25.0	26.6	
55 Carbon tetrachloride	117	5.123	5.123	0.000	97	256449	25.0	22.2	
54 1,1-Dichloropropene	75	5.129	5.129	0.000	97	247595	25.0	24.5	
53 Isobutyl alcohol	43	5.282	5.282	0.000	95	180921	625.0	513.2	
57 Benzene	78	5.306	5.306	0.000	97	712283	25.0	25.4	
58 1,2-Dichloroethane	62	5.361	5.361	0.000	97	235716	25.0	19.8	
59 n-Heptane	43	5.416	5.416	0.000	94	252656	25.0	25.4	
62 Trichloroethene	95	5.800	5.800	0.000	97	200609	25.0	24.2	
64 Methylcyclohexane	83	5.897	5.897	0.000	91	293906	25.0	27.5	
65 1,2-Dichloropropane	63	6.001	6.001	0.000	98	195831	25.0	26.2	
66 1,4-Dioxane	88	6.105	6.105	0.000	96	29794	500.0	480.3	
67 Dibromomethane	93	6.117	6.117	0.000	96	120773	25.0	22.5	
68 Dichlorobromomethane	83	6.227	6.227	0.000	99	248014	25.0	22.7	
69 2-Chloroethyl vinyl ether	63	6.428	6.428	0.000	92	95783	25.0	26.3	
72 cis-1,3-Dichloropropene	75	6.556	6.556	0.000	97	299092	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK	43	6.653	6.653	0.000	96	789903	125.0	108.5	
74 Toluene	92	6.787	6.787	0.000	98	457996	25.0	25.4	
77 trans-1,3-Dichloropropene	75	6.995	6.995	0.000	96	265911	25.0	24.2	
75 Ethyl methacrylate	69	7.001	7.001	0.000	90	204169	25.0	24.6	
79 1,1,2-Trichloroethane	83	7.153	7.153	0.000	91	138009	25.0	25.1	
81 Tetrachloroethene	166	7.214	7.214	0.000	97	216350	25.0	24.6	
82 1,3-Dichloropropane	76	7.287	7.287	0.000	98	258910	25.0	25.0	
80 2-Hexanone	43	7.306	7.306	0.000	94	571319	125.0	109.6	
83 Chlorodibromomethane	129	7.476	7.476	0.000	90	212419	25.0	22.6	
84 Ethylene Dibromide	107	7.574	7.574	0.000	98	180355	25.0	23.7	
87 Chlorobenzene	112	7.934	7.934	0.000	97	548754	25.0	24.9	
88 Ethylbenzene	91	7.982	7.982	0.000	98	859822	25.0	25.3	
89 1,1,1,2-Tetrachloroethane	131	7.995	7.995	0.000	97	200452	25.0	23.4	
90 m-Xylene & p-Xylene	106	8.074	8.074	0.000	98	346211	25.0	25.4	
91 o-Xylene	106	8.409	8.409	0.000	96	334755	25.0	24.7	
92 Styrene	104	8.427	8.427	0.000	96	571336	25.0	25.5	
95 Bromoform	173	8.647	8.647	0.000	97	132516	25.0	22.1	
94 Isopropylbenzene	105	8.689	8.689	0.000	95	862294	25.0	26.1	
101 Bromobenzene	156	9.007	9.007	0.000	91	247588	25.0	24.8	
97 1,1,2,2-Tetrachloroethane	83	9.013	9.013	0.000	93	216176	25.0	25.4	
99 N-Propylbenzene	91	9.031	9.031	0.000	99	1040826	25.0	26.4	
98 trans-1,4-Dichloro-2-buten	53	9.043	9.043	0.000	76	55155	25.0	21.9	
100 1,2,3-Trichloropropane	110	9.055	9.055	0.000	85	56611	25.0	23.9	
103 2-Chlorotoluene	126	9.141	9.141	0.000	97	223776	25.0	25.3	
102 1,3,5-Trimethylbenzene	105	9.171	9.171	0.000	94	748643	25.0	25.8	
105 4-Chlorotoluene	126	9.232	9.232	0.000	97	234751	25.0	25.4	
106 tert-Butylbenzene	134	9.452	9.452	0.000	92	151309	25.0	25.4	
107 1,2,4-Trimethylbenzene	105	9.494	9.494	0.000	97	763688	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.628	9.628	0.000	94	961884	25.0	26.2	
110 4-Isopropyltoluene	119	9.744	9.744	0.000	97	837067	25.0	25.8	
111 1,3-Dichlorobenzene	146	9.781	9.781	0.000	97	462221	25.0	24.9	
113 1,4-Dichlorobenzene	146	9.854	9.854	0.000	97	471981	25.0	24.7	
115 n-Butylbenzene	91	10.098	10.098	0.000	98	767327	25.0	26.4	
116 1,2-Dichlorobenzene	146	10.183	10.183	0.000	100	460421	25.0	24.8	
117 1,2-Dibromo-3-Chloropropan	75	10.872	10.872	0.000	90	34912	25.0	20.8	
119 1,2,4-Trichlorobenzene	180	11.506	11.506	0.000	94	357164	25.0	24.9	
120 Hexachlorobutadiene	225	11.597	11.597	0.000	97	171799	25.0	25.6	
121 Naphthalene	128	11.719	11.719	0.000	97	755140	25.0	23.6	
122 1,2,3-Trichlorobenzene	180	11.908	11.908	0.000	96	333798	25.0	24.6	

Reagents:

8260 CORP mix_00180	Amount Added: 12.50	Units: uL	
GAS CORP mix_00388	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00010	Amount Added: 1.00	Units: uL	Run Reagent

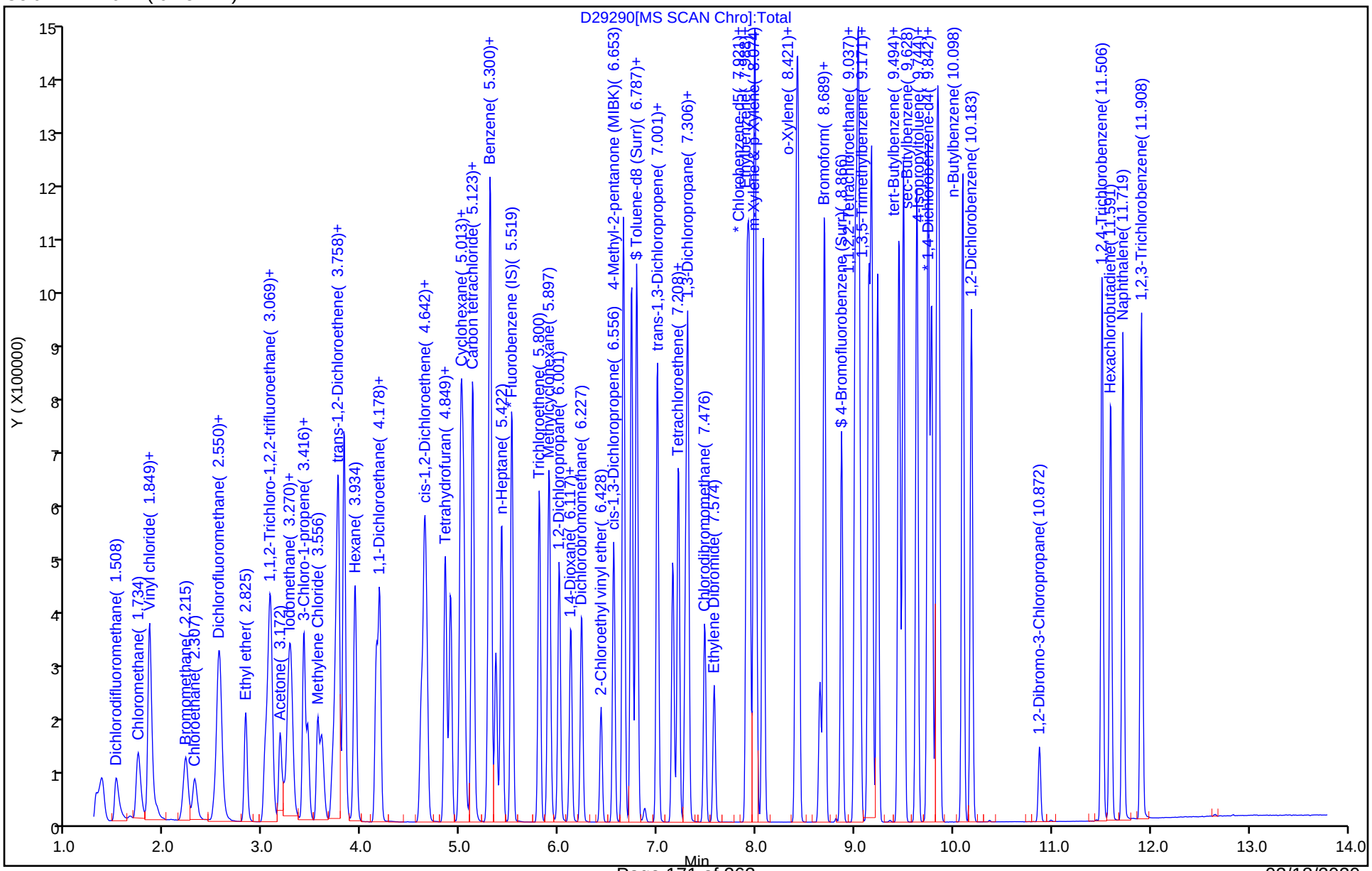
Report Date: 10-Mar-2020 10:01:48 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29290.D

Injection Date:	10-Mar-2020 09:33:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab Sample ID: CCVIS 480-521067/3 Calibration Date: 03/11/2020 23:16

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D29317.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.741	1.311	0.1000	18.8	25.0	-24.7	50.0
Chloromethane	Ave	2.220	1.787	0.1000	20.1	25.0	-19.5	20.0
Butadiene	Ave	1.736	1.474		21.2	25.0	-15.1	20.0
Vinyl chloride	Ave	1.806	1.659	0.1000	23.0	25.0	-8.2	20.0
Bromomethane	Ave	1.296	1.161	0.1000	22.4	25.0	-10.4	50.0
Chloroethane	Ave	1.073	0.8708	0.1000	20.3	25.0	-18.9	50.0
Dichlorofluoromethane	Ave	2.643	2.330		22.0	25.0	-11.9	20.0
Trichlorofluoromethane	Ave	2.232	2.086	0.1000	23.4	25.0	-6.5	20.0
Ethyl ether	Ave	1.109	1.129		25.4	25.0	1.8	20.0
Acrolein	Ave	0.2407	0.1433		74.4	125	-40.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.279	1.456	0.1000	28.5	25.0	13.8	20.0
1,1-Dichloroethene	Ave	1.236	1.275	0.1000	25.8	25.0	3.2	20.0
Acetone	Ave	0.4642	0.4307	0.1000	116	125	-7.2	50.0
Iodomethane	Ave	2.940	2.794		23.8	25.0	-5.0	20.0
Carbon disulfide	Ave	4.274	4.452	0.1000	26.0	25.0	4.2	20.0
Allyl chloride	Ave	2.184	2.134		24.4	25.0	-2.3	20.0
Methyl acetate	Ave	1.023	0.997	0.1000	48.7	50.0	-2.6	50.0
Methylene Chloride	Lin1		1.512	0.1000	25.9	25.0	3.7	20.0
2-Methyl-2-propanol	Ave	0.1555	0.1604		258	250	3.1	50.0
Methyl tert-butyl ether	Ave	3.656	3.601	0.1000	24.6	25.0	-1.5	20.0
trans-1,2-Dichloroethene	Ave	1.429	1.456	0.1000	25.5	25.0	1.9	20.0
Acrylonitrile	Ave	0.4660	0.5003		268	250	7.3	20.0
Hexane	Ave	1.805	2.140		29.6	25.0	18.6	20.0
1,1-Dichloroethane	Ave	2.605	2.557	0.2000	24.5	25.0	-1.8	20.0
Vinyl acetate	Ave	2.693	2.725		50.6	50.0	1.2	20.0
2,2-Dichloropropane	Ave	1.478	1.497		25.3	25.0	1.3	20.0
cis-1,2-Dichloroethene	Ave	1.609	1.602	0.1000	24.9	25.0	-0.4	20.0
2-Butanone (MEK)	Ave	0.6671	0.6412	0.1000	120	125	-3.9	20.0
Chlorobromomethane	Ave	0.9284	0.8963		24.1	25.0	-3.5	20.0
Tetrahydrofuran	Lin1		0.4229		53.6	50.0	7.1	20.0
Chloroform	Ave	2.787	2.539	0.2000	22.8	25.0	-8.9	20.0
1,1,1-Trichloroethane	Ave	2.257	2.137	0.1000	23.7	25.0	-5.3	20.0
Cyclohexane	Ave	2.150	2.551	0.1000	29.7	25.0	18.7	20.0
Carbon tetrachloride	Ave	2.163	2.051	0.1000	23.7	25.0	-5.2	20.0
1,1-Dichloropropene	Ave	1.890	1.929		25.5	25.0	2.0	20.0
Isobutyl alcohol	Ave	0.0660	0.0665		630	625	0.8	50.0
Benzene	Ave	5.243	5.464	0.5000	26.1	25.0	4.2	20.0
1,2-Dichloroethane	Ave	2.226	1.817	0.1000	20.4	25.0	-18.4	20.0
n-Heptane	Ave	1.863	2.233		30.0	25.0	19.9	20.0
Trichloroethene	Ave	1.551	1.556	0.2000	25.1	25.0	0.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab Sample ID: CCVIS 480-521067/3 Calibration Date: 03/11/2020 23:16

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D29317.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.001	2.451	0.1000	30.6	25.0	22.5*	20.0
1,2-Dichloropropane	Ave	1.402	1.515	0.1000	27.0	25.0	8.0	20.0
1,4-Dioxane	Ave	0.0054	0.0065		603	500	20.6	50.0
Dibromomethane	Ave	1.003	0.9700	0.1000	24.2	25.0	-3.3	20.0
Bromodichloromethane	Ave	2.046	1.940	0.2000	23.7	25.0	-5.2	20.0
2-Chloroethyl vinyl ether	Ave	0.6815	0.9055		33.2	25.0	32.9*	20.0
cis-1,3-Dichloropropene	Ave	2.234	2.360	0.2000	26.4	25.0	5.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6301	0.6251	0.1000	124	125	-0.8	20.0
Toluene	Ave	1.558	1.661	0.4000	26.6	25.0	6.6	20.0
trans-1,3-Dichloropropene	Ave	0.9494	1.000	0.1000	26.3	25.0	5.3	20.0
Ethyl methacrylate	Ave	0.7187	0.7674		26.7	25.0	6.8	20.0
1,1,2-Trichloroethane	Ave	0.4750	0.5144	0.1000	27.1	25.0	8.3	20.0
Tetrachloroethene	Ave	0.7598	0.7916	0.2000	26.0	25.0	4.2	20.0
1,3-Dichloropropane	Ave	0.8962	0.9641		26.9	25.0	7.6	20.0
2-Hexanone	Ave	0.4513	0.4505	0.1000	125	125	-0.2	20.0
Dibromochloromethane	Ave	0.8144	0.7971	0.1000	24.5	25.0	-2.1	20.0
1,2-Dibromoethane	Ave	0.6596	0.6804		25.8	25.0	3.2	20.0
Chlorobenzene	Ave	1.907	1.930	0.5000	25.3	25.0	1.2	20.0
Ethylbenzene	Ave	2.946	3.095	0.1000	26.3	25.0	5.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7414	0.7313		24.7	25.0	-1.4	20.0
m,p-Xylene	Ave	1.181	1.228	0.1000	26.0	25.0	4.0	20.0
o-Xylene	Ave	1.171	1.212	0.3000	25.9	25.0	3.5	20.0
Styrene	Ave	1.943	2.026	0.3000	26.1	25.0	4.3	20.0
Bromoform	Ave	0.5198	0.5291	0.1000	25.4	25.0	1.8	50.0
Isopropylbenzene	Ave	2.661	2.882	0.1000	27.1	25.0	8.3	20.0
Bromobenzene	Ave	0.8043	0.8204		25.5	25.0	2.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6836	0.7715	0.3000	28.2	25.0	12.9	20.0
N-Propylbenzene	Ave	3.170	3.451		27.2	25.0	8.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2023	0.2092		25.8	25.0	3.4	50.0
1,2,3-Trichloropropane	Ave	0.1910	0.2024		26.5	25.0	6.0	20.0
2-Chlorotoluene	Ave	0.7109	0.7369		25.9	25.0	3.7	20.0
1,3,5-Trimethylbenzene	Ave	2.337	2.470		26.4	25.0	5.7	20.0
4-Chlorotoluene	Ave	0.7427	0.7567		25.5	25.0	1.9	20.0
tert-Butylbenzene	Ave	0.4799	0.5075		26.4	25.0	5.7	20.0
1,2,4-Trimethylbenzene	Ave	2.392	2.505		26.2	25.0	4.8	20.0
sec-Butylbenzene	Ave	2.957	3.225		27.3	25.0	9.0	20.0
4-Isopropyltoluene	Ave	2.610	2.776		26.6	25.0	6.4	20.0
1,3-Dichlorobenzene	Ave	1.495	1.515	0.6000	25.3	25.0	1.3	20.0
1,4-Dichlorobenzene	Ave	1.536	1.534	0.5000	25.0	25.0	-0.2	20.0
n-Butylbenzene	Ave	2.340	2.541		27.1	25.0	8.6	20.0
1,2-Dichlorobenzene	Ave	1.493	1.501	0.4000	25.1	25.0	0.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Lab Sample ID: CCVIS 480-521067/3 Calibration Date: 03/11/2020 23:16

Instrument ID: HP5975D Calib Start Date: 01/20/2020 14:46

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 01/20/2020 17:27

Lab File ID: D29317.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1350	0.1322	0.0500	24.5	25.0	-2.1	50.0
1,2,4-Trichlorobenzene	Ave	1.152	1.187	0.2000	25.8	25.0	3.0	20.0
Hexachlorobutadiene	Ave	0.5392	0.6069		28.1	25.0	12.5	20.0
Naphthalene	Ave	2.571	2.770		26.9	25.0	7.7	20.0
1,2,3-Trichlorobenzene	Ave	1.092	1.144		26.2	25.0	4.7	20.0
Dibromofluoromethane (Surr)	Ave	1.623	1.507		23.2	25.0	-7.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8555	0.8036		23.5	25.0	-6.1	20.0
Toluene-d8 (Surr)	Ave	2.334	2.432		26.0	25.0	4.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8417	0.8333		24.7	25.0	-1.0	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29317.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 11-Mar-2020 23:16:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0088780-003
Operator ID: CDC Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Mar-2020 00:39:06 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0315

First Level Reviewer: cwiklinc Date: 12-Mar-2020 00:39:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.513	5.513	0.000	99	132307	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.897	7.897	0.000	85	281760	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.823	9.823	0.000	94	308965	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.025	5.025	0.000	95	199413	25.0	23.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.294	5.294	0.000	98	106320	25.0	23.5	
$ 5 Toluene-d8 (Surr)	98	6.726	6.726	0.000	93	685308	25.0	26.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.860	8.860	0.000	95	234776	25.0	24.7	
10 Dichlorodifluoromethane	85	1.508	1.508	0.000	99	173454	25.0	18.8	
12 Chloromethane	50	1.733	1.733	0.000	99	236411	25.0	20.1	
144 Butadiene	54	1.849	1.849	0.000	91	195046	25.0	21.2	
13 Vinyl chloride	62	1.855	1.855	0.000	97	219462	25.0	23.0	
14 Bromomethane	94	2.215	2.215	0.000	91	153611	25.0	22.4	
15 Chloroethane	64	2.313	2.313	0.000	99	115207	25.0	20.3	
16 Dichlorofluoromethane	67	2.544	2.544	0.000	97	308261	25.0	22.0	
17 Trichlorofluoromethane	101	2.550	2.550	0.000	98	275957	25.0	23.4	
18 Ethyl ether	59	2.819	2.819	0.000	95	149347	25.0	25.4	
20 Acrolein	56	3.008	3.008	0.000	100	94791	125.0	74.4	
21 1,1,2-Trichloro-1,2,2-trif	101	3.069	3.069	0.000	93	192620	25.0	28.5	
22 1,1-Dichloroethene	96	3.075	3.075	0.000	98	168730	25.0	25.8	
23 Acetone	43	3.166	3.166	0.000	100	284940	125.0	116.0	
25 Iodomethane	142	3.258	3.258	0.000	99	369601	25.0	23.8	
26 Carbon disulfide	76	3.276	3.276	0.000	99	588977	25.0	26.0	
28 3-Chloro-1-propene	41	3.410	3.410	0.000	93	282373	25.0	24.4	
27 Methyl acetate	43	3.447	3.447	0.000	98	263693	50.0	48.7	
30 Methylene Chloride	84	3.550	3.550	0.000	96	200052	25.0	25.9	M
31 2-Methyl-2-propanol	59	3.696	3.696	0.000	99	212192	250.0	257.8	
32 Methyl tert-butyl ether	73	3.733	3.733	0.000	95	476422	25.0	24.6	
34 trans-1,2-Dichloroethene	96	3.757	3.757	0.000	98	192695	25.0	25.5	
33 Acrylonitrile	53	3.812	3.812	0.000	99	661872	250.0	268.4	
35 Hexane	57	3.928	3.928	0.000	91	283152	25.0	29.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.142	4.142	0.000	96	338253	25.0	24.5	
37 Vinyl acetate	43	4.172	4.172	0.000	97	721004	50.0	50.6	
44 2,2-Dichloropropane	77	4.599	4.599	0.000	92	198051	25.0	25.3	
45 cis-1,2-Dichloroethene	96	4.629	4.629	0.000	84	211957	25.0	24.9	
43 2-Butanone (MEK)	43	4.654	4.654	0.000	100	424165	125.0	120.1	
48 Chlorobromomethane	128	4.837	4.837	0.000	95	118584	25.0	24.1	
49 Tetrahydrofuran	42	4.849	4.849	0.000	88	111907	50.0	53.6	
50 Chloroform	83	4.891	4.891	0.000	93	335897	25.0	22.8	
51 1,1,1-Trichloroethane	97	4.995	4.995	0.000	98	282736	25.0	23.7	
52 Cyclohexane	56	5.001	5.001	0.000	92	337552	25.0	29.7	
55 Carbon tetrachloride	117	5.111	5.111	0.000	97	271415	25.0	23.7	
54 1,1-Dichloropropene	75	5.123	5.123	0.000	97	255175	25.0	25.5	
53 Isobutyl alcohol	43	5.275	5.275	0.000	94	220004	625.0	629.7	
57 Benzene	78	5.300	5.300	0.000	97	722988	25.0	26.1	
58 1,2-Dichloroethane	62	5.355	5.355	0.000	97	240354	25.0	20.4	
59 n-Heptane	43	5.410	5.410	0.000	94	295407	25.0	30.0	
62 Trichloroethene	95	5.794	5.794	0.000	97	205889	25.0	25.1	
64 Methylcyclohexane	83	5.891	5.891	0.000	92	324342	25.0	30.6	
65 1,2-Dichloropropane	63	5.995	5.995	0.000	98	200411	25.0	27.0	
66 1,4-Dioxane	88	6.098	6.098	0.000	94	36494	500.0	603.2	
67 Dibromomethane	93	6.111	6.111	0.000	96	128343	25.0	24.2	
68 Dichlorobromomethane	83	6.220	6.220	0.000	99	256722	25.0	23.7	
69 2-Chloroethyl vinyl ether	63	6.422	6.422	0.000	91	119808	25.0	33.2	
72 cis-1,3-Dichloropropene	75	6.550	6.550	0.000	97	312183	25.0	26.4	
73 4-Methyl-2-pentanone (MIBK	43	6.647	6.647	0.000	96	880648	125.0	124.0	
74 Toluene	92	6.781	6.781	0.000	98	467880	25.0	26.6	
77 trans-1,3-Dichloropropene	75	6.989	6.989	0.000	97	281700	25.0	26.3	
75 Ethyl methacrylate	69	6.995	6.995	0.000	90	216229	25.0	26.7	
79 1,1,2-Trichloroethane	83	7.147	7.147	0.000	91	144946	25.0	27.1	
81 Tetrachloroethene	166	7.202	7.202	0.000	97	223041	25.0	26.0	
82 1,3-Dichloropropane	76	7.275	7.275	0.000	98	271646	25.0	26.9	
80 2-Hexanone	43	7.299	7.299	0.000	98	634644	125.0	124.8	
83 Chlorodibromomethane	129	7.470	7.470	0.000	89	224587	25.0	24.5	
84 Ethylene Dibromide	107	7.568	7.568	0.000	99	191711	25.0	25.8	
87 Chlorobenzene	112	7.921	7.921	0.000	98	543926	25.0	25.3	
88 Ethylbenzene	91	7.976	7.976	0.000	98	871965	25.0	26.3	
89 1,1,1,2-Tetrachloroethane	131	7.988	7.988	0.000	97	206058	25.0	24.7	
90 m-Xylene & p-Xylene	106	8.061	8.061	0.000	98	345880	25.0	26.0	
91 o-Xylene	106	8.397	8.397	0.000	97	341504	25.0	25.9	
92 Styrene	104	8.421	8.421	0.000	96	570738	25.0	26.1	
95 Bromoform	173	8.641	8.641	0.000	98	149068	25.0	25.4	
94 Isopropylbenzene	105	8.683	8.683	0.000	95	890289	25.0	27.1	
101 Bromobenzene	156	8.994	8.994	0.000	89	253458	25.0	25.5	
97 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	93	238358	25.0	28.2	
99 N-Propylbenzene	91	9.025	9.025	0.000	99	1066386	25.0	27.2	
98 trans-1,4-Dichloro-2-buten	53	9.037	9.037	0.000	82	64630	25.0	25.8	
100 1,2,3-Trichloropropane	110	9.043	9.043	0.000	85	62542	25.0	26.5	
103 2-Chlorotoluene	126	9.134	9.134	0.000	98	227664	25.0	25.9	
102 1,3,5-Trimethylbenzene	105	9.165	9.165	0.000	94	763037	25.0	26.4	
105 4-Chlorotoluene	126	9.226	9.226	0.000	97	233783	25.0	25.5	
106 tert-Butylbenzene	134	9.439	9.439	0.000	94	156791	25.0	26.4	
107 1,2,4-Trimethylbenzene	105	9.488	9.488	0.000	97	774105	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.622	9.622	0.000	94	996297	25.0	27.3	
110 4-Isopropyltoluene	119	9.738	9.738	0.000	97	857817	25.0	26.6	
111 1,3-Dichlorobenzene	146	9.768	9.768	0.000	97	468018	25.0	25.3	
113 1,4-Dichlorobenzene	146	9.848	9.848	0.000	97	473927	25.0	25.0	
115 n-Butylbenzene	91	10.085	10.085	0.000	98	785196	25.0	27.1	
116 1,2-Dichlorobenzene	146	10.177	10.177	0.000	99	463709	25.0	25.1	
117 1,2-Dibromo-3-Chloropropan	75	10.866	10.866	0.000	90	40843	25.0	24.5	
119 1,2,4-Trichlorobenzene	180	11.500	11.500	0.000	95	366691	25.0	25.8	
120 Hexachlorobutadiene	225	11.585	11.585	0.000	97	187494	25.0	28.1	
121 Naphthalene	128	11.713	11.713	0.000	97	855784	25.0	26.9	
122 1,2,3-Trichlorobenzene	180	11.902	11.902	0.000	96	353404	25.0	26.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00180	Amount Added: 12.50	Units: uL	
GAS CORP mix_00388	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00010	Amount Added: 1.00	Units: uL	Run Reagent

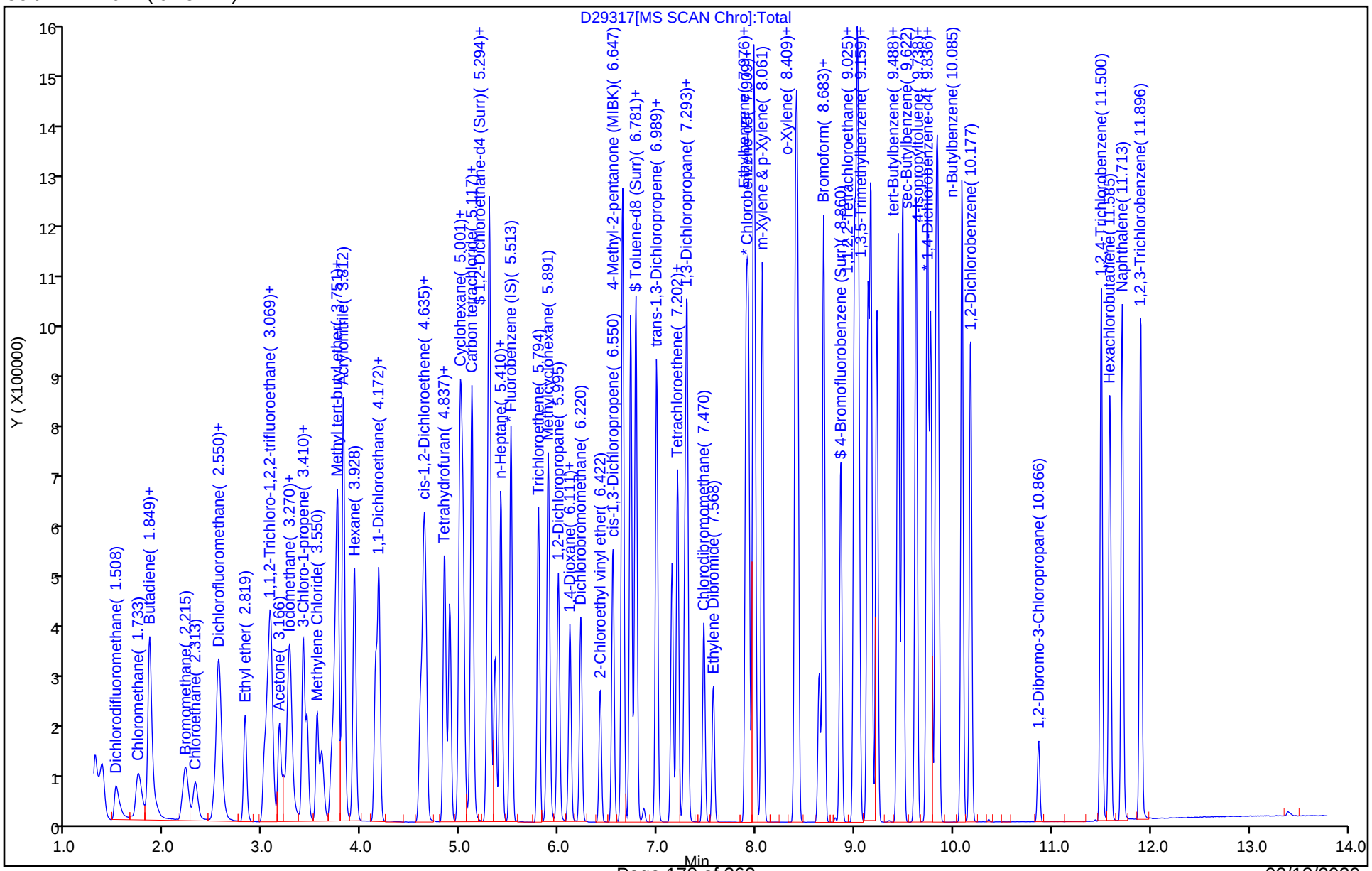
Report Date: 12-Mar-2020 00:39:07 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29317.D

Injection Date:	11-Mar-2020 23:16:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo

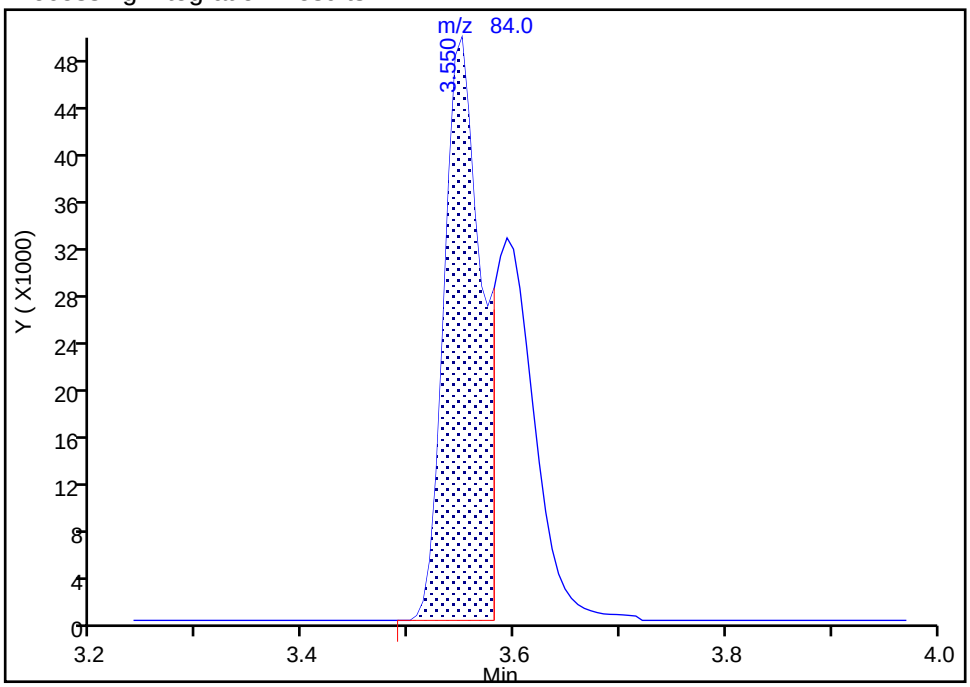
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29317.D
Injection Date: 11-Mar-2020 23:16:30 Instrument ID: HP5975D
Lims ID: CCVIS
Client ID:
Operator ID: CDC ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

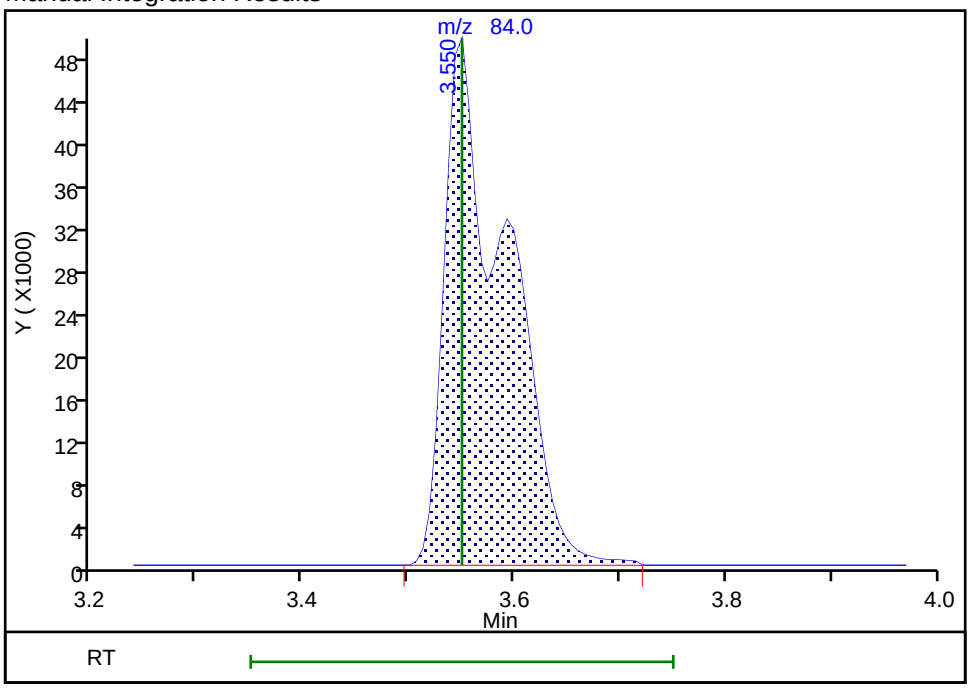
Processing Integration Results

RT: 3.55
Area: 124024
Amount: 15.808088
Amount Units: ug/L



Manual Integration Results

RT: 3.55
Area: 200052
Amount: 25.926754
Amount Units: ug/L



Reviewer: cwiklinc, 12-Mar-2020 00:38:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2180.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 20-Jan-2020 13:36:30 ALS Bottle#: 1 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0087606-005
Operator ID: LH Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jan-2020 11:07:37 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTXT5

First Level Reviewer: moffata Date: 21-Jan-2020 13:04:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.696	4.696	0.000	0	78566	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

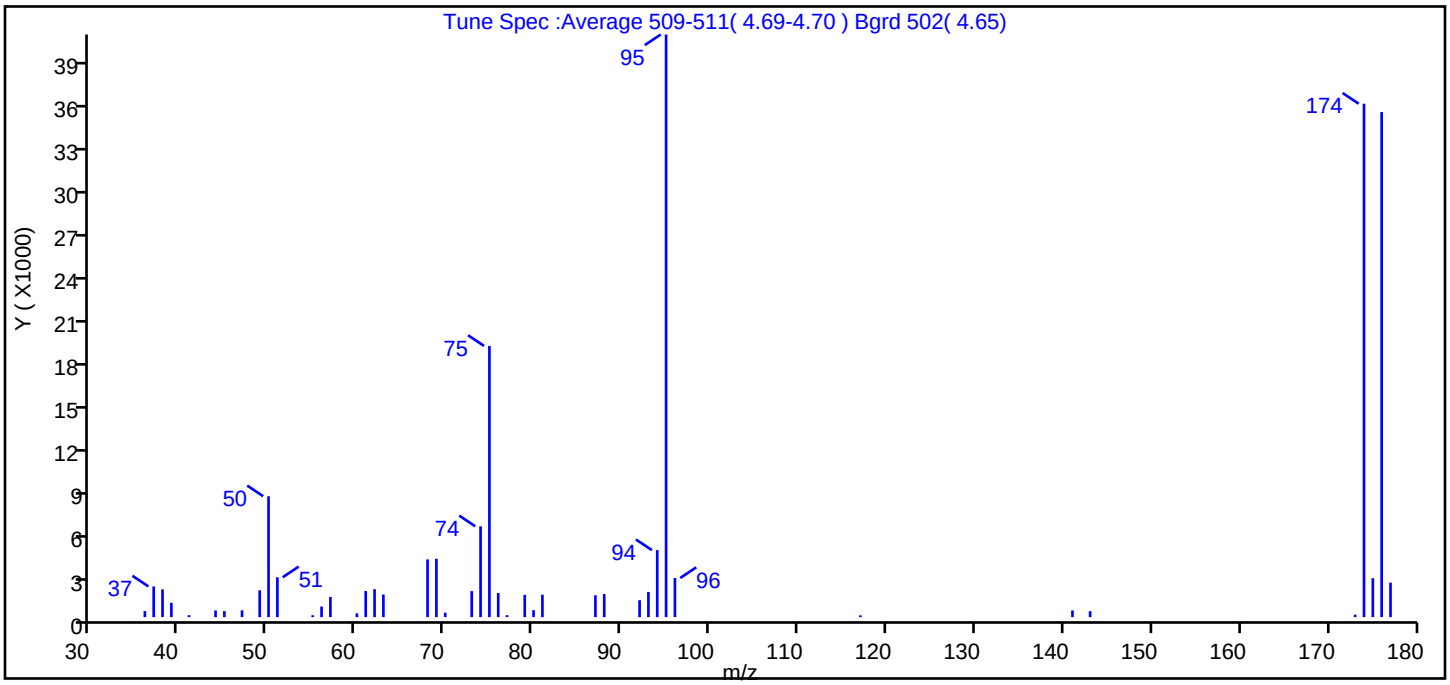
BFB_WRK_00100 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2180.D
Injection Date: 20-Jan-2020 13:36:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 1 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.8
75	30 to 60% of m/z 95	46.5
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	88.1
175	5 to 9% of m/z 174	6.7 (7.6)
176	Greater than 95% but less than 101% of m/z 174	86.7 (98.4)
177	5 to 9% of m/z 176	5.9 (6.8)

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2180.D\D-8260.rslt\spectra.d
Injection Date: 20-Jan-2020 13:36:30
Spectrum: Tune Spec :Average 509-511(4.69-4.70) Bgrd 502(4.65)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	416	55.00	132	75.00	18648	96.00	2692
37.00	2112	56.00	729	76.00	1658	117.00	123
38.00	1909	57.00	1388	77.00	134	141.00	462
39.00	988	60.00	262	79.00	1533	143.00	410
40.00	5	61.00	1796	80.00	481	173.00	171
41.00	134	62.00	1924	81.00	1544	174.00	35304
44.00	459	63.00	1557	87.00	1502	175.00	2676
45.00	413	68.00	3972	88.00	1586	176.00	34728
47.00	469	69.00	4015	92.00	1165	177.00	2373
49.00	1847	70.00	310	93.00	1732		
50.00	8314	73.00	1790	94.00	4607		
51.00	2742	74.00	6247	95.00	40064		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29289.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	10-Mar-2020 09:09:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0088726-002				
Operator ID:	OI	Instrument ID:	HP5975D		
Method:	\\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	10-Mar-2020 09:18:06	Calib Date:	20-Jan-2020 21:39:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX0331				
First Level Reviewer: izquierdoo		Date:	10-Mar-2020 09:18:06		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.702	4.702	0.000	0	101166	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

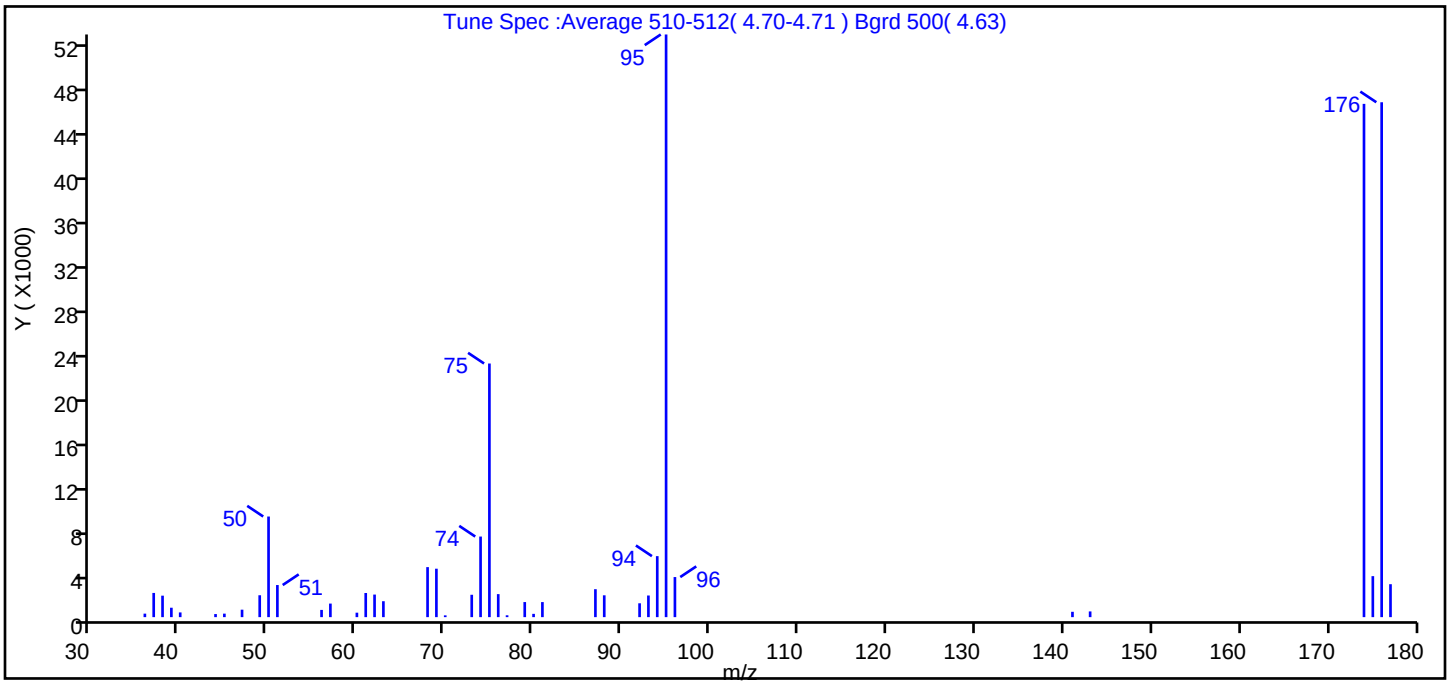
BFB_WRK_00101 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29289.D
Injection Date: 10-Mar-2020 09:09:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: OI ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.3
75	30 to 60% of m/z 95	43.5
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	88.1
175	5 to 9% of m/z 174	7.0 (8.0)
176	Greater than 95% but less than 101% of m/z 174	88.4 (100.3)
177	5 to 9% of m/z 176	5.7 (6.4)

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29289.D\D-8260.rslt\spectra.d
Injection Date: 10-Mar-2020 09:09:30
Spectrum: Tune Spec :Average 510-512(4.70-4.71) Bgrd 500(4.63)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 41

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	313	56.00	646	75.00	22664	95.00	52064
37.00	2163	57.00	1212	76.00	2057	96.00	3582
38.00	1919	60.00	398	77.00	166	141.00	478
39.00	842	61.00	2157	79.00	1348	143.00	511
40.00	422	62.00	2017	80.00	294	174.00	45864
44.00	276	63.00	1423	81.00	1345	175.00	3663
45.00	313	68.00	4470	87.00	2497	176.00	46008
47.00	667	69.00	4328	88.00	1951	177.00	2944
49.00	1956	70.00	159	92.00	1238		
50.00	8991	73.00	1999	93.00	1934		
51.00	2869	74.00	7201	94.00	5451		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29316.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Mar-2020 21:23:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0088780-002
Operator ID: CDC Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Mar-2020 21:58:14 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0315

First Level Reviewer: cwiklinc Date: 11-Mar-2020 21:58:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.671	4.671	0.000	0	41243	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

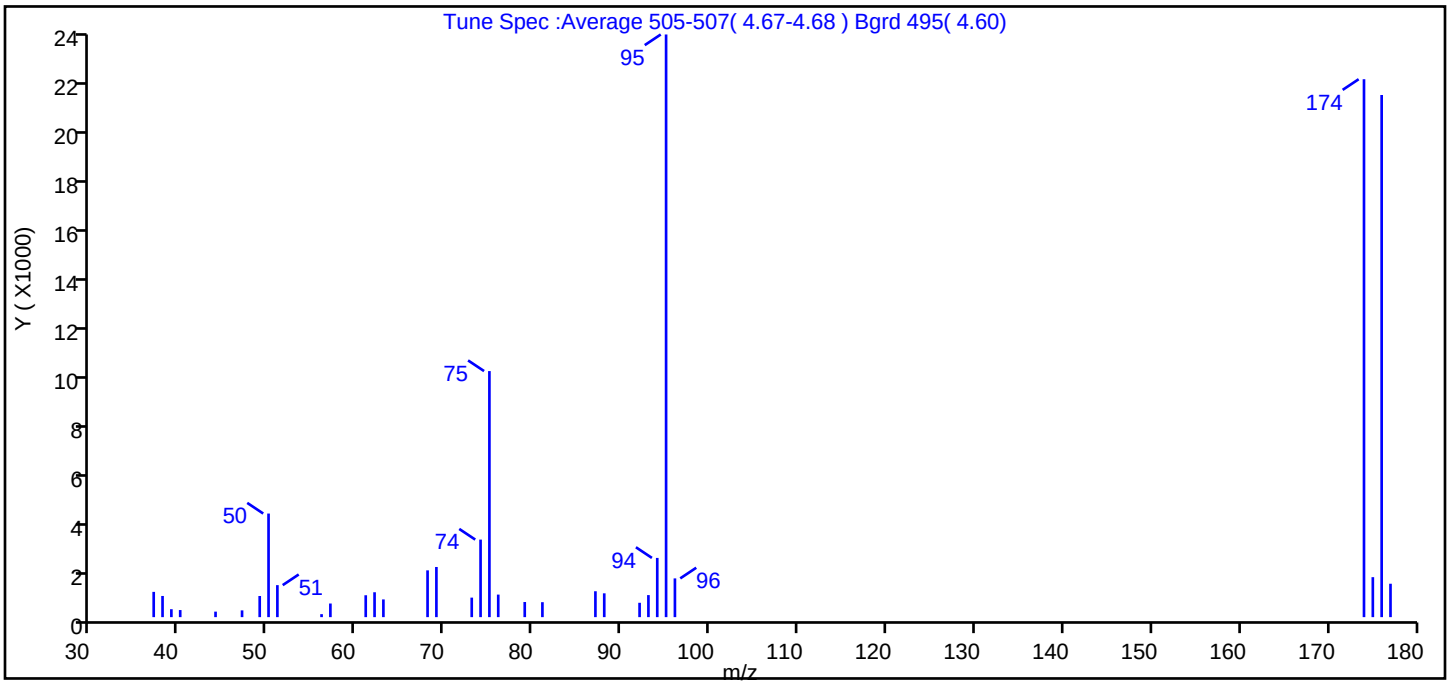
BFB_WRK_00101 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29316.D
Injection Date: 11-Mar-2020 21:23:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.8
75	30 to 60% of m/z 95	42.2
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	92.3
175	5 to 9% of m/z 174	6.9 (7.4)
176	Greater than 95% but less than 101% of m/z 174	89.6 (97.1)
177	5 to 9% of m/z 176	5.7 (6.4)

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29316.D\D-8260.rslt\spectra.d
Injection Date: 11-Mar-2020 21:23:30
Spectrum: Tune Spec :Average 505-507(4.67-4.68) Bgrd 495(4.60)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 33

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1012	56.00	120	75.00	9855	95.00	23336
38.00	848	57.00	546	76.00	903	96.00	1552
39.00	318	61.00	877	79.00	606	174.00	21544
40.00	284	62.00	997	81.00	599	175.00	1601
44.00	221	63.00	710	87.00	1037	176.00	20912
47.00	271	68.00	1874	88.00	954	177.00	1338
49.00	847	69.00	2009	92.00	575		
50.00	4149	73.00	782	93.00	883		
51.00	1282	74.00	3106	94.00	2372		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-520696/7

Matrix: Water Lab File ID: D29294.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 11:06

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-520696/7

Matrix: Water Lab File ID: D29294.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 11:06

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29294.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Mar-2020 11:06:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0088726-007
Operator ID: OI Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Mar-2020 11:24:35 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: izquierdoo Date: 10-Mar-2020 11:24:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.519	5.525	-0.006	99	135998	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.909	7.909	0.000	85	297308	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.835	0.001	94	324430	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.038	5.032	0.000	93	205940	25.0	23.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.300	5.300	0.000	98	106820	25.0	23.0	
$ 5 Toluene-d8 (Surr)	98	6.739	6.739	0.000	93	710120	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr	174	8.866	8.866	0.000	93	243075	25.0	24.3	
10 Dichlorodifluoromethane	85		1.508					ND	
11 Chlorodifluoromethane	51		1.538					ND	
12 Chloromethane	50		1.734					ND	
13 Vinyl chloride	62		1.849					ND	
144 Butadiene	54		1.849					ND	
14 Bromomethane	94		2.215					ND	U
15 Chloroethane	64		2.307					ND	
16 Dichlorofluoromethane	67		2.550					ND	
17 Trichlorofluoromethane	101		2.557					ND	
18 Ethyl ether	59		2.825					ND	
141 Ethanol	45		2.855					ND	
19 Propene oxide	58		2.922					ND	
20 Acrolein	56		3.020					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.063					ND	
22 1,1-Dichloroethene	96		3.075					ND	
23 Acetone	43		3.172					ND	
25 Iodomethane	142		3.258					ND	
26 Carbon disulfide	76		3.282					ND	
24 Isopropyl alcohol	45		3.355					ND	
28 3-Chloro-1-propene	41		3.416					ND	
27 Methyl acetate	43		3.453					ND	
29 Acetonitrile	40		3.483					ND	
30 Methylene Chloride	84		3.556					ND	
31 2-Methyl-2-propanol	59		3.709					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.745					ND	
34 trans-1,2-Dichloroethene	96		3.764					ND	
33 Acrylonitrile	53		3.818					ND	
35 Hexane	57		3.934					ND	
36 Isopropyl ether	45		4.141					ND	
39 1,1-Dichloroethane	63		4.148					ND	
132 Halothane	117		4.172					ND	
37 Vinyl acetate	43		4.184					ND	
40 2-Chloro-1,3-butadiene	53		4.202					ND	
38 1,1-Dimethoxyethane	75		4.215					ND	
41 Tert-butyl ethyl ether	59		4.440					ND	
44 2,2-Dichloropropane	77		4.605					ND	
45 cis-1,2-Dichloroethene	96		4.635					ND	
43 2-Butanone (MEK)	43		4.660					ND	
42 Ethyl acetate	43		4.672					ND	
46 Propionitrile	54		4.763					ND	
48 Chlorobromomethane	128		4.843					ND	
47 Methacrylonitrile	41		4.849					ND	
49 Tetrahydrofuran	42		4.861					ND	
50 Chloroform	83		4.898					ND	Ua
51 1,1,1-Trichloroethane	97		5.001					ND	
52 Cyclohexane	56		5.013					ND	
55 Carbon tetrachloride	117		5.123					ND	
54 1,1-Dichloropropene	75		5.129					ND	
146 Isooctane	57		5.282					ND	
53 Isobutyl alcohol	43		5.282					ND	
57 Benzene	78		5.306					ND	
140 t-Amyl alcohol	59		5.342					ND	
56 Tert-amyl methyl ether	73		5.342					ND	
58 1,2-Dichloroethane	62		5.361					ND	
59 n-Heptane	43		5.416					ND	
1 1,4-Difluorobenzene	114		5.605					ND	
154 2,4,4-Trimethyl-1-pentene	55		5.690					ND	
60 n-Butanol	56		5.788					ND	
62 Trichloroethene	95		5.800					ND	
153 2,4,4-Trimethyl-2-pentene	97		5.873					ND	
145 Ethyl acrylate	55		5.873					ND	
64 Methylcyclohexane	83		5.897					ND	
65 1,2-Dichloropropane	63		6.001					ND	
63 Methyl methacrylate	41		6.050					ND	
66 1,4-Dioxane	88		6.105					ND	
67 Dibromomethane	93		6.117					ND	
68 Dichlorobromomethane	83		6.227					ND	
70 2-Nitropropane	43		6.428					ND	
69 2-Chloroethyl vinyl ether	63		6.428					ND	
71 Epichlorohydrin	57		6.519					ND	
72 cis-1,3-Dichloropropene	75		6.556					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.653					ND	
74 Toluene	92		6.787					ND	
76 2-Methylthiophene	97		6.903					ND	
77 trans-1,3-Dichloropropene	75		6.995					ND	
75 Ethyl methacrylate	69		7.001					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		7.031					ND	
79 1,1,2-Trichloroethane	83		7.153					ND	
81 Tetrachloroethene	166		7.214					ND	
82 1,3-Dichloropropane	76		7.287					ND	
80 2-Hexanone	43		7.306					ND	
155 n-Butyl acetate	43		7.373					ND	
83 Chlorodibromomethane	129		7.476					ND	
84 Ethylene Dibromide	107		7.574					ND	
139 1-Chlorohexane	55		7.854					ND	U
85 3-Chlorobenzotrifluoride	180		7.860					ND	
86 4-Chlorobenzotrifluoride	180		7.909					ND	
87 Chlorobenzene	112		7.934					ND	
88 Ethylbenzene	91		7.982					ND	
89 1,1,1,2-Tetrachloroethane	131		7.995					ND	
90 m-Xylene & p-Xylene	106		8.074					ND	
91 o-Xylene	106		8.409					ND	
92 Styrene	104		8.427					ND	
93 2-Chlorobenzotrifluoride	180		8.628					ND	
95 Bromoform	173		8.647					ND	
94 Isopropylbenzene	105		8.689					ND	
96 Cyclohexanone	55		8.860					ND	
101 Bromobenzene	156		9.007					ND	
97 1,1,2,2-Tetrachloroethane	83		9.013					ND	
99 N-Propylbenzene	91		9.031					ND	
98 trans-1,4-Dichloro-2-buten	53		9.043					ND	
100 1,2,3-Trichloropropane	110		9.055					ND	
103 2-Chlorotoluene	126		9.141					ND	
102 1,3,5-Trimethylbenzene	105		9.171					ND	
104 3-Chlorotoluene	126		9.195					ND	
105 4-Chlorotoluene	126		9.232					ND	
106 tert-Butylbenzene	134		9.452					ND	
107 1,2,4-Trimethylbenzene	105		9.494					ND	
108 Pentachloroethane	167		9.525					ND	
109 sec-Butylbenzene	105		9.628					ND	
110 4-Isopropyltoluene	119		9.744					ND	
111 1,3-Dichlorobenzene	146		9.781					ND	
114 Dicyclopentadiene	66		9.842					ND	
113 1,4-Dichlorobenzene	146		9.854					ND	
112 1,2,3-Trimethylbenzene	105		9.866					ND	
143 Benzyl chloride	91		9.982					ND	
115 n-Butylbenzene	91		10.098					ND	
116 1,2-Dichlorobenzene	146		10.183					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.872					ND	
118 1,3,5-Trichlorobenzene	180		10.988					ND	
119 1,2,4-Trichlorobenzene	180		11.506					ND	
120 Hexachlorobutadiene	225		11.597					ND	
121 Naphthalene	128		11.719					ND	
122 1,2,3-Trichlorobenzene	180		11.908					ND	
142 2-Methylnaphthalene	142		12.652					ND	Ua
149 Hexachloroethane	117		0.000					ND	
152 cis-1,4-Dichloro-2-butene	88		0.000					ND	
151 Methyl acrylate	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
150 Nitrobenzene	77		0.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

D 8260 IS/SUR_00010 Amount Added: 1.00 Units: uL Run Reagent

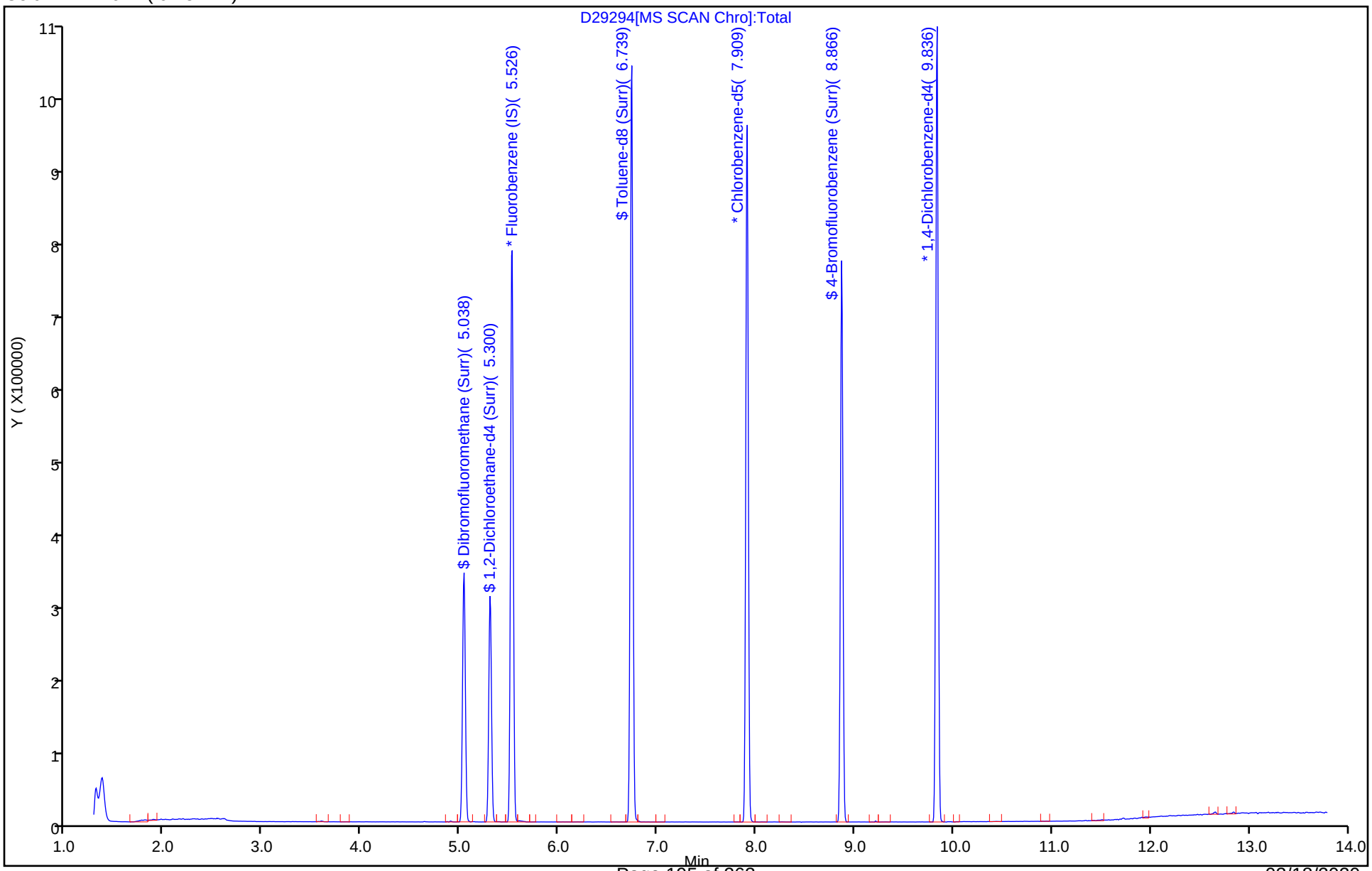
Report Date: 10-Mar-2020 11:24:35 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29294.D

Injection Date:	10-Mar-2020 11:06:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



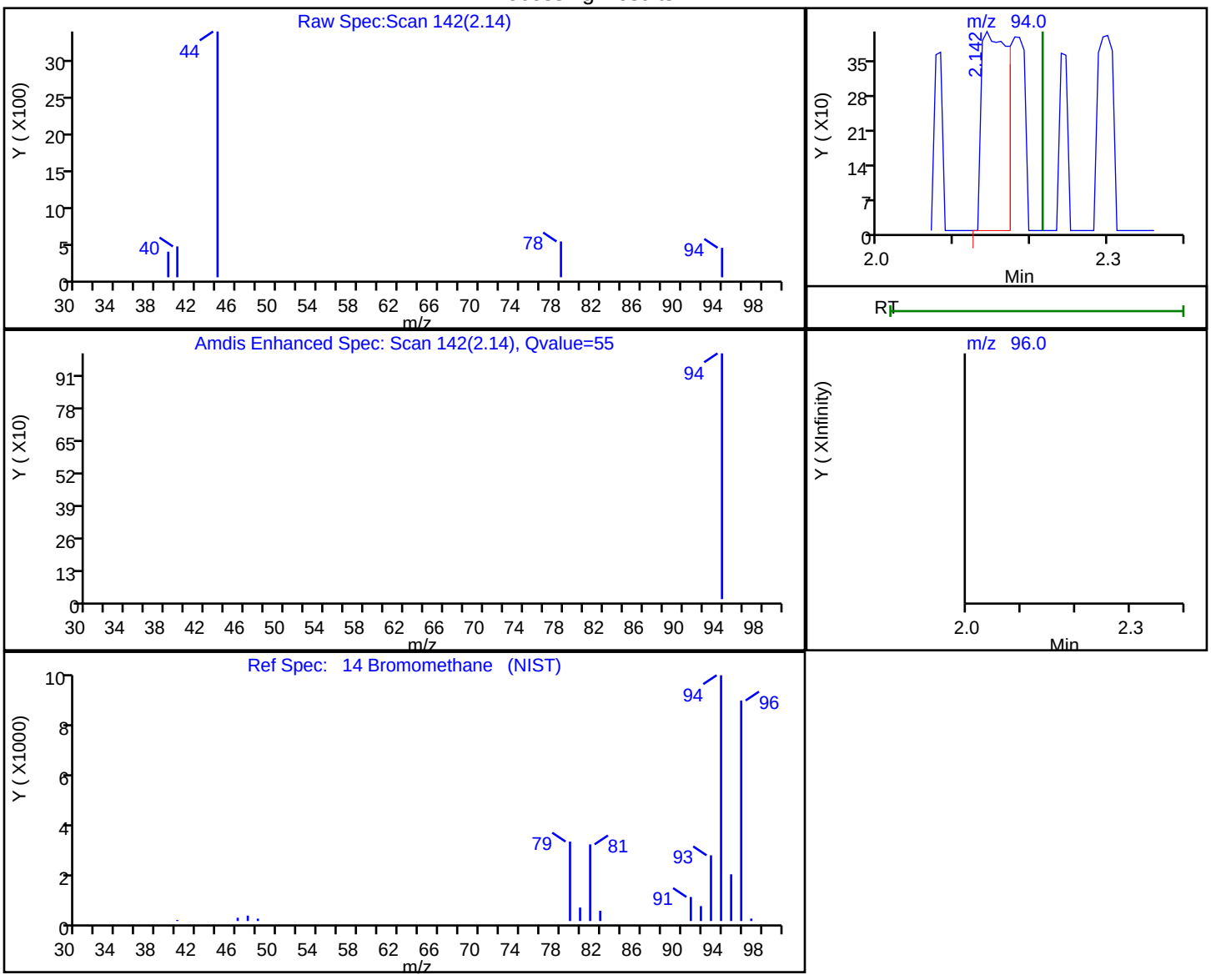
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29294.D
Injection Date: 10-Mar-2020 11:06:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.14	94.00	980	0.139031
2.22	96.00	0	

Reviewer: izquierdoo, 10-Mar-2020 11:24:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

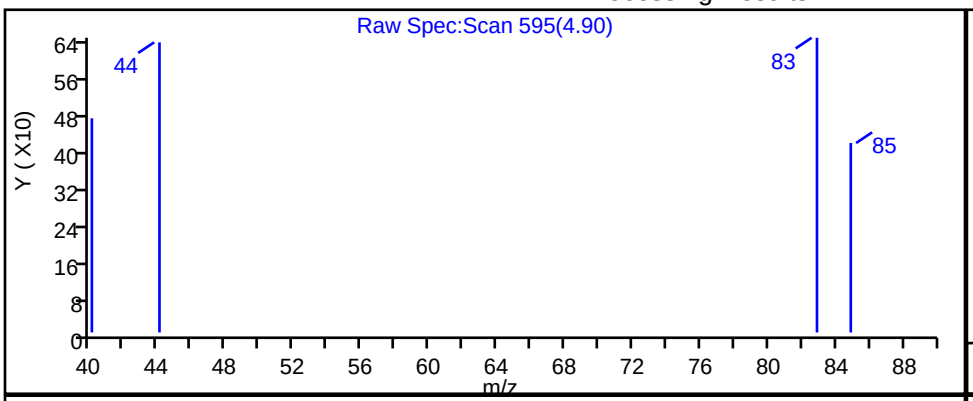
User Disabled Compound Report

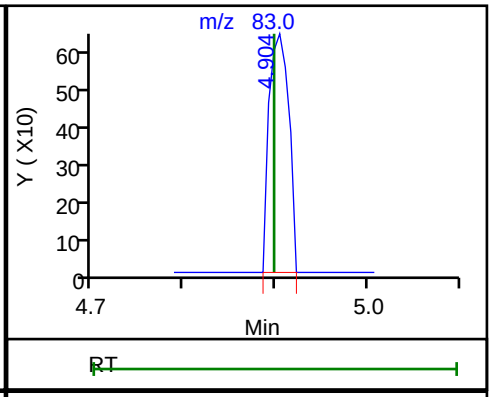
Eurofins TestAmerica, Buffalo

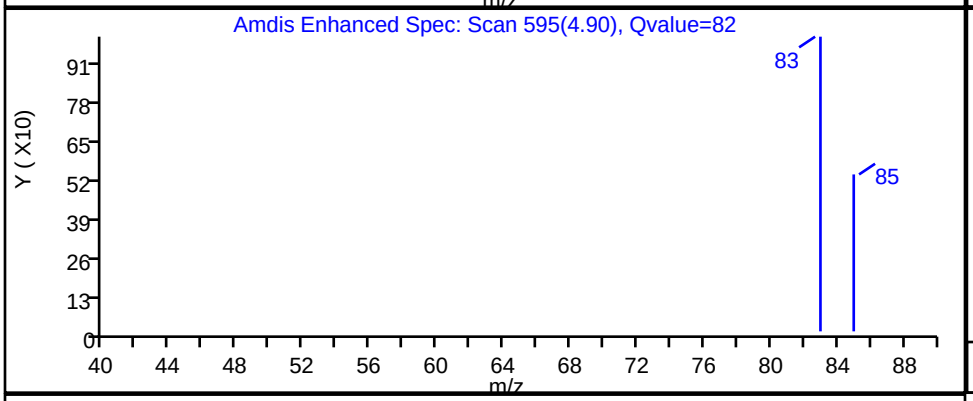
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29294.D
Injection Date: 10-Mar-2020 11:06:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

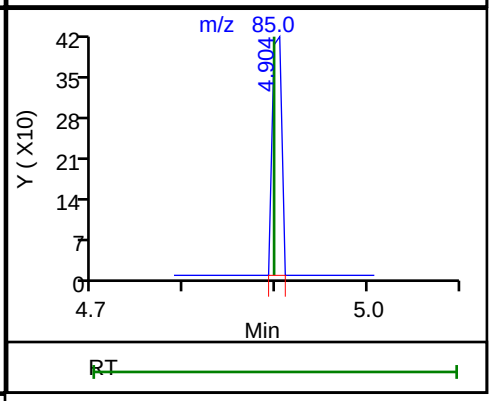
50 Chloroform, CAS: 67-66-3

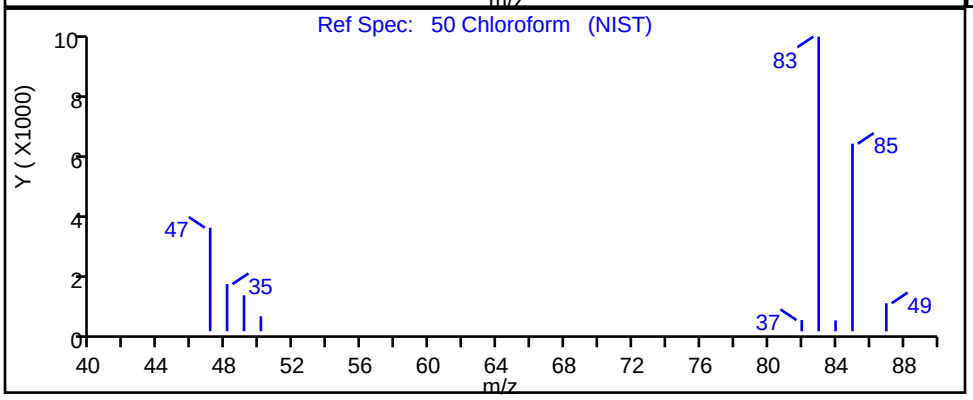
Processing Results











RT	Mass	Response	Amount
4.90	83.00	963	0.063521
4.90	85.00	298	

Reviewer: izquierdoo, 10-Mar-2020 11:24:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-521067/7

Matrix: Water Lab File ID: D29321.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 03/12/2020 00:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 521067 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-521067/7

Matrix: Water Lab File ID: D29321.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 03/12/2020 00:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 521067 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29321.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 12-Mar-2020 00:51:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0088780-007
Operator ID: CDC Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Mar-2020 01:08:33 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0315

First Level Reviewer: cwiklinc Date: 12-Mar-2020 01:08:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.513	5.513	0.000	99	134800	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.897	7.897	0.000	85	297424	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.823	9.823	0.000	94	325020	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.025	5.025	0.000	93	202422	25.0	23.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.294	5.294	0.000	97	106428	25.0	23.1	
$ 5 Toluene-d8 (Surr)	98	6.726	6.726	0.000	93	703556	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	8.860	8.860	0.000	93	246942	25.0	24.7	
10 Dichlorodifluoromethane	85		1.508					ND	
11 Chlorodifluoromethane	51		1.538					ND	
12 Chloromethane	50		1.733					ND	
144 Butadiene	54		1.849					ND	
13 Vinyl chloride	62		1.855					ND	
14 Bromomethane	94		2.215					ND	
15 Chloroethane	64		2.313					ND	
16 Dichlorofluoromethane	67		2.544					ND	
17 Trichlorofluoromethane	101		2.550					ND	
18 Ethyl ether	59		2.819					ND	
141 Ethanol	45		2.843					ND	
19 Propene oxide	58		2.910					ND	
20 Acrolein	56		3.008					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.069					ND	
22 1,1-Dichloroethene	96		3.075					ND	
23 Acetone	43		3.166					ND	
25 Iodomethane	142		3.258					ND	
26 Carbon disulfide	76		3.276					ND	
24 Isopropyl alcohol	45		3.343					ND	
28 3-Chloro-1-propene	41		3.410					ND	
27 Methyl acetate	43		3.447					ND	
29 Acetonitrile	40		3.471					ND	
30 Methylene Chloride	84		3.550					ND	
31 2-Methyl-2-propanol	59		3.696					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.733					ND	
34 trans-1,2-Dichloroethene	96		3.757					ND	
33 Acrylonitrile	53		3.812					ND	
35 Hexane	57		3.928					ND	
36 Isopropyl ether	45		4.129					ND	
39 1,1-Dichloroethane	63		4.142					ND	
132 Halothane	117		4.160					ND	
37 Vinyl acetate	43		4.172					ND	
40 2-Chloro-1,3-butadiene	53		4.190					ND	
38 1,1-Dimethoxyethane	75		4.202					ND	
41 Tert-butyl ethyl ether	59		4.428					ND	
44 2,2-Dichloropropane	77		4.599					ND	
45 cis-1,2-Dichloroethene	96		4.629					ND	
43 2-Butanone (MEK)	43		4.654					ND	
42 Ethyl acetate	43		4.666					ND	
46 Propionitrile	54		4.751					ND	
48 Chlorobromomethane	128		4.837					ND	
47 Methacrylonitrile	41		4.843					ND	
49 Tetrahydrofuran	42		4.849					ND	
50 Chloroform	83		4.891					ND	
51 1,1,1-Trichloroethane	97		4.995					ND	
52 Cyclohexane	56		5.001					ND	
55 Carbon tetrachloride	117		5.111					ND	
54 1,1-Dichloropropene	75		5.123					ND	
146 Isooctane	57		5.269					ND	
53 Isobutyl alcohol	43		5.275					ND	
57 Benzene	78		5.300					ND	
140 t-Amyl alcohol	59		5.330					ND	
56 Tert-amyl methyl ether	73		5.336					ND	
58 1,2-Dichloroethane	62		5.355					ND	
59 n-Heptane	43		5.410					ND	
1 1,4-Difluorobenzene	114		5.592					ND	
154 2,4,4-Trimethyl-1-pentene	55		5.684					ND	
60 n-Butanol	56		5.781					ND	
62 Trichloroethene	95		5.794					ND	
145 Ethyl acrylate	55		5.861					ND	
153 2,4,4-Trimethyl-2-pentene	97		5.867					ND	
64 Methylcyclohexane	83		5.891					ND	
65 1,2-Dichloropropane	63		5.995					ND	
63 Methyl methacrylate	41		6.037					ND	
66 1,4-Dioxane	88		6.098					ND	
67 Dibromomethane	93		6.111					ND	
68 Dichlorobromomethane	83		6.220					ND	
70 2-Nitropropane	43		6.415					ND	
69 2-Chloroethyl vinyl ether	63		6.422					ND	
71 Epichlorohydrin	57		6.513					ND	
72 cis-1,3-Dichloropropene	75		6.550					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.647					ND	
74 Toluene	92		6.781					ND	
76 2-Methylthiophene	97		6.891					ND	
77 trans-1,3-Dichloropropene	75		6.989					ND	
75 Ethyl methacrylate	69		6.995					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		7.025					ND	
79 1,1,2-Trichloroethane	83		7.147					ND	
81 Tetrachloroethene	166		7.202					ND	
82 1,3-Dichloropropane	76		7.275					ND	
80 2-Hexanone	43		7.299					ND	
155 n-Butyl acetate	43		7.360					ND	
83 Chlorodibromomethane	129		7.470					ND	
84 Ethylene Dibromide	107		7.568					ND	
139 1-Chlorohexane	55		7.842					ND	U
85 3-Chlorobenzotrifluoride	180		7.854					ND	
86 4-Chlorobenzotrifluoride	180		7.897					ND	
87 Chlorobenzene	112		7.921					ND	
88 Ethylbenzene	91		7.976					ND	
89 1,1,1,2-Tetrachloroethane	131		7.988					ND	
90 m-Xylene & p-Xylene	106		8.061					ND	
91 o-Xylene	106		8.397					ND	
92 Styrene	104		8.421					ND	
93 2-Chlorobenzotrifluoride	180		8.622					ND	
95 Bromoform	173		8.641					ND	
94 Isopropylbenzene	105		8.683					ND	
96 Cyclohexanone	55		8.854					ND	
101 Bromobenzene	156		8.994					ND	
97 1,1,2,2-Tetrachloroethane	83		9.000					ND	
99 N-Propylbenzene	91		9.025					ND	
98 trans-1,4-Dichloro-2-buten	53		9.037					ND	
100 1,2,3-Trichloropropane	110		9.043					ND	
103 2-Chlorotoluene	126		9.134					ND	
102 1,3,5-Trimethylbenzene	105		9.165					ND	
104 3-Chlorotoluene	126		9.183					ND	
105 4-Chlorotoluene	126		9.226					ND	
106 tert-Butylbenzene	134		9.439					ND	
107 1,2,4-Trimethylbenzene	105		9.488					ND	
108 Pentachloroethane	167		9.512					ND	
109 sec-Butylbenzene	105		9.622					ND	
110 4-Isopropyltoluene	119		9.738					ND	
111 1,3-Dichlorobenzene	146		9.768					ND	
114 Dicyclopentadiene	66		9.829					ND	
113 1,4-Dichlorobenzene	146		9.848					ND	
112 1,2,3-Trimethylbenzene	105		9.854					ND	
143 Benzyl chloride	91		9.970					ND	
115 n-Butylbenzene	91		10.085					ND	
116 1,2-Dichlorobenzene	146		10.177					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.866					ND	
118 1,3,5-Trichlorobenzene	180		10.982					ND	
119 1,2,4-Trichlorobenzene	180		11.500					ND	
120 Hexachlorobutadiene	225		11.585					ND	
121 Naphthalene	128		11.713					ND	
122 1,2,3-Trichlorobenzene	180		11.902					ND	
142 2-Methylnaphthalene	142		12.640					ND	
152 cis-1,4-Dichloro-2-butene	88		0.000					ND	
149 Hexachloroethane	117		0.000					ND	
151 Methyl acrylate	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
150 Nitrobenzene	77		0.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00010 Amount Added: 1.00 Units: uL Run Reagent

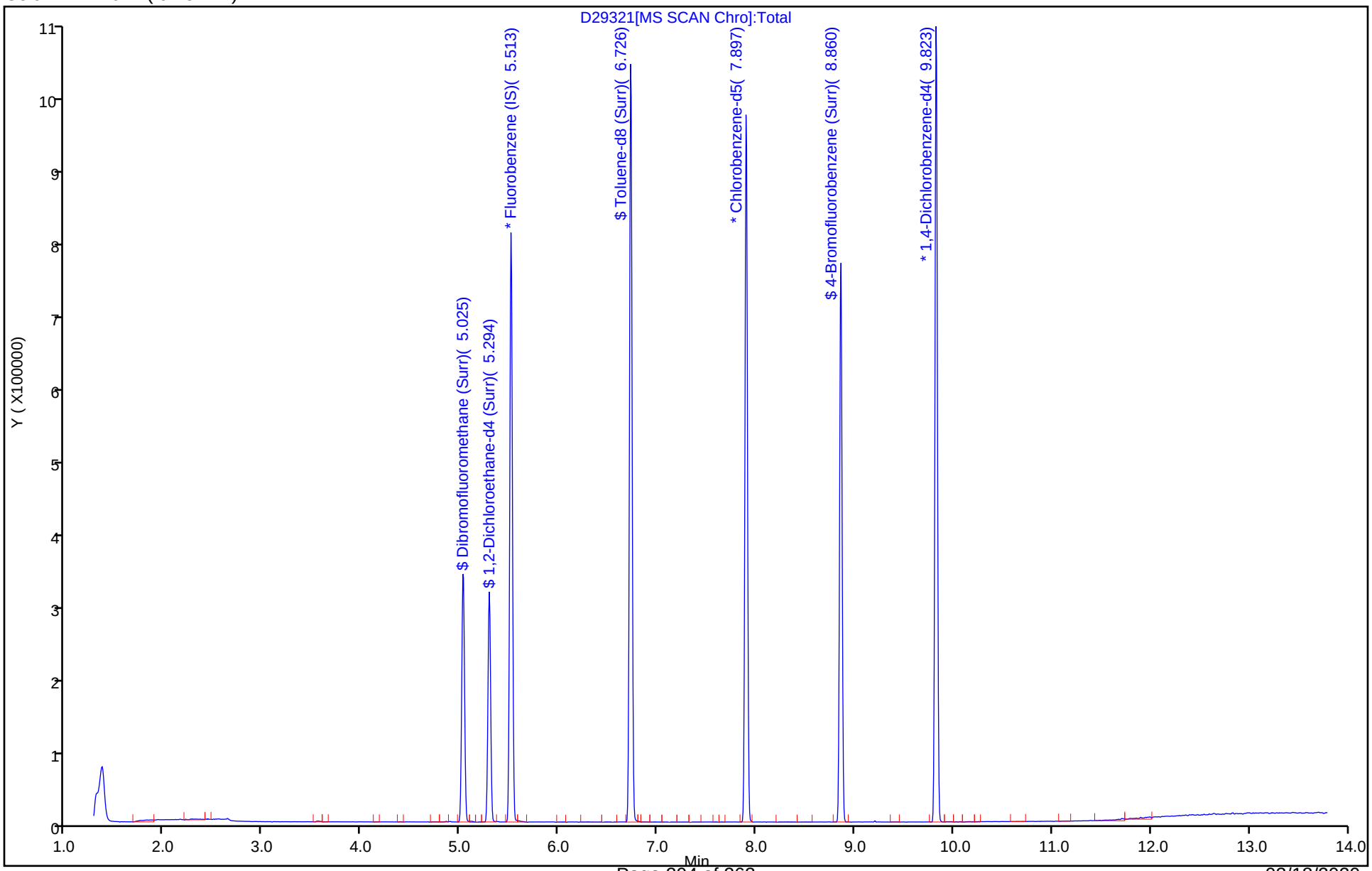
Report Date: 12-Mar-2020 01:08:33 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29321.D

Injection Date:	12-Mar-2020 00:51:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-520696/5

Matrix: Water Lab File ID: D29292.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 10:19

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.7		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.4		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25.0		1.0	0.31
75-34-3	1,1-Dichloroethane	23.6		1.0	0.38
75-35-4	1,1-Dichloroethene	24.2		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	22.5		1.0	0.39
95-50-1	1,2-Dichlorobenzene	24.9		1.0	0.79
107-06-2	1,2-Dichloroethane	19.5		1.0	0.21
78-87-5	1,2-Dichloropropane	25.9		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.7		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.4		1.0	0.84
78-93-3	2-Butanone (MEK)	102		10	1.3
591-78-6	2-Hexanone	113		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	112		5.0	2.1
67-64-1	Acetone	97.3		10	3.0
71-43-2	Benzene	25.2		1.0	0.41
75-27-4	Bromodichloromethane	22.5		1.0	0.39
75-25-2	Bromoform	22.5		1.0	0.26
74-83-9	Bromomethane	21.6		1.0	0.69
75-15-0	Carbon disulfide	24.1		1.0	0.19
56-23-5	Carbon tetrachloride	21.7		1.0	0.27
108-90-7	Chlorobenzene	24.9		1.0	0.75
124-48-1	Dibromochloromethane	23.0		1.0	0.32
75-00-3	Chloroethane	18.6		1.0	0.32
67-66-3	Chloroform	22.0		1.0	0.34
74-87-3	Chloromethane	19.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.7		1.0	0.36
110-82-7	Cyclohexane	26.2		1.0	0.18
75-71-8	Dichlorodifluoromethane	18.8		1.0	0.68
100-41-4	Ethylbenzene	25.0		1.0	0.74
106-93-4	1,2-Dibromoethane	24.0		1.0	0.73
98-82-8	Isopropylbenzene	25.8		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-520696/5

Matrix: Water Lab File ID: D29292.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 03/10/2020 10:19

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 520696 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	43.5		2.5	1.3
1634-04-4	Methyl tert-butyl ether	22.1		1.0	0.16
108-87-2	Methylcyclohexane	26.8		1.0	0.16
75-09-2	Methylene Chloride	25.0		1.0	0.44
100-42-5	Styrene	25.0		1.0	0.73
127-18-4	Tetrachloroethene	25.2		1.0	0.36
108-88-3	Toluene	25.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.6		1.0	0.37
79-01-6	Trichloroethene	24.1		1.0	0.46
75-69-4	Trichlorofluoromethane	20.4		1.0	0.88
75-01-4	Vinyl chloride	21.4		1.0	0.90
1330-20-7	Xylenes, Total	49.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	92		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29292.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 10-Mar-2020 10:19:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0088726-005
Operator ID: OI Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Mar-2020 08:34:05 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: izquierdoo Date: 10-Mar-2020 10:44:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.525	5.525	0.000	99	134710	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.909	7.909	0.000	86	277179	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.836	9.835	0.001	93	300958	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.038	5.038	0.000	95	201608	25.0	23.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.300	5.300	0.000	98	102695	25.0	22.3	
$ 5 Toluene-d8 (Surr)	98	6.739	6.739	0.000	93	680933	25.0	26.3	
$ 6 4-Bromofluorobenzene (Surr	174	8.866	8.866	0.000	94	224126	25.0	24.0	
10 Dichlorodifluoromethane	85	1.514	1.508	0.006	99	176649	25.0	18.8	
12 Chloromethane	50	1.733	1.734	-0.001	99	236262	25.0	19.7	
13 Vinyl chloride	62	1.855	1.849	0.006	75	208047	25.0	21.4	
144 Butadiene	54	1.855	1.849	0.006	90	182142	25.0	19.5	
14 Bromomethane	94	2.221	2.215	0.006	90	150582	25.0	21.6	
15 Chloroethane	64	2.307	2.307	0.000	99	107382	25.0	18.6	
16 Dichlorofluoromethane	67	2.556	2.550	0.006	97	285233	25.0	20.0	
17 Trichlorofluoromethane	101	2.563	2.557	0.006	98	245453	25.0	20.4	
18 Ethyl ether	59	2.825	2.825	0.000	94	142884	25.0	23.9	
20 Acrolein	56	3.020	3.020	0.000	100	82229	125.0	63.4	
21 1,1,2-Trichloro-1,2,2-trif	101	3.062	3.063	-0.001	94	172493	25.0	25.0	
22 1,1-Dichloroethene	96	3.081	3.075	0.006	98	160955	25.0	24.2	
23 Acetone	43	3.178	3.172	0.006	100	243451	125.0	97.3	
25 Iodomethane	142	3.258	3.258	0.000	99	361089	25.0	22.8	
26 Carbon disulfide	76	3.288	3.282	0.006	99	556070	25.0	24.1	
28 3-Chloro-1-propene	41	3.416	3.416	0.000	93	273579	25.0	23.2	
27 Methyl acetate	43	3.453	3.453	0.000	98	239707	50.0	43.5	
30 Methylene Chloride	84	3.593	3.556	0.037	98	196844	25.0	25.0	
31 2-Methyl-2-propanol	59	3.709	3.709	0.000	97	167968	250.0	200.4	
32 Methyl tert-butyl ether	73	3.745	3.745	0.000	95	435099	25.0	22.1	
34 trans-1,2-Dichloroethene	96	3.770	3.764	0.006	98	187607	25.0	24.4	
33 Acrylonitrile	53	3.825	3.818	0.007	99	587500	250.0	233.9	
35 Hexane	57	3.934	3.934	0.000	91	247919	25.0	25.5	
39 1,1-Dichloroethane	63	4.154	4.148	0.006	96	331249	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	4.184	4.184	0.000	97	632899	50.0	43.6	
44 2,2-Dichloropropane	77	4.611	4.605	0.006	89	181108	25.0	22.7	
45 cis-1,2-Dichloroethene	96	4.641	4.635	0.006	79	209428	25.0	24.2	
43 2-Butanone (MEK)	43	4.660	4.660	0.000	100	367963	125.0	102.4	
48 Chlorobromomethane	128	4.849	4.843	0.006	94	114595	25.0	22.9	
49 Tetrahydrofuran	42	4.861	4.861	0.000	88	94357	50.0	44.1	
50 Chloroform	83	4.904	4.898	0.006	93	330795	25.0	22.0	
51 1,1,1-Trichloroethane	97	5.007	5.001	0.006	99	267438	25.0	22.0	
52 Cyclohexane	56	5.013	5.013	0.000	91	303611	25.0	26.2	
55 Carbon tetrachloride	117	5.123	5.123	0.000	96	252663	25.0	21.7	
54 1,1-Dichloropropene	75	5.129	5.129	0.000	97	247576	25.0	24.3	
53 Isobutyl alcohol	43	5.288	5.282	0.006	94	183082	625.0	514.7	
57 Benzene	78	5.306	5.306	0.000	97	712059	25.0	25.2	
58 1,2-Dichloroethane	62	5.361	5.361	0.000	97	234294	25.0	19.5	
59 n-Heptane	43	5.422	5.416	0.006	94	234664	25.0	23.4	
62 Trichloroethene	95	5.800	5.800	0.000	97	201307	25.0	24.1	
64 Methylcyclohexane	83	5.903	5.897	0.006	92	288570	25.0	26.8	
65 1,2-Dichloropropane	63	6.001	6.001	0.000	98	195381	25.0	25.9	
66 1,4-Dioxane	88	6.111	6.105	0.006	94	28523	500.0	479.2	
67 Dibromomethane	93	6.123	6.117	0.006	96	122539	25.0	22.7	
68 Dichlorobromomethane	83	6.233	6.227	0.006	99	248556	25.0	22.5	
69 2-Chloroethyl vinyl ether	63	6.428	6.428	0.000	92	98805	25.0	26.9	
72 cis-1,3-Dichloropropene	75	6.556	6.556	0.000	97	297187	25.0	24.7	
73 4-Methyl-2-pentanone (MIBK	43	6.653	6.653	0.000	96	780784	125.0	111.8	
74 Toluene	92	6.787	6.787	0.000	98	445973	25.0	25.8	
77 trans-1,3-Dichloropropene	75	6.995	6.995	0.000	97	258993	25.0	24.6	
75 Ethyl methacrylate	69	7.001	7.001	0.000	90	196281	25.0	24.6	
79 1,1,2-Trichloroethane	83	7.153	7.153	0.000	90	133920	25.0	25.4	
81 Tetrachloroethene	166	7.214	7.214	0.000	97	211903	25.0	25.2	
82 1,3-Dichloropropane	76	7.287	7.287	0.000	97	251116	25.0	25.3	
80 2-Hexanone	43	7.306	7.306	0.000	96	566880	125.0	113.3	
83 Chlorodibromomethane	129	7.476	7.476	0.000	90	208048	25.0	23.0	
84 Ethylene Dibromide	107	7.574	7.574	0.000	98	175264	25.0	24.0	
87 Chlorobenzene	112	7.933	7.934	-0.001	98	525686	25.0	24.9	
88 Ethylbenzene	91	7.982	7.982	0.000	98	817023	25.0	25.0	
89 1,1,1,2-Tetrachloroethane	131	7.994	7.995	0.000	97	198162	25.0	24.1	
90 m-Xylene & p-Xylene	106	8.074	8.074	0.000	98	324968	25.0	24.8	
91 o-Xylene	106	8.409	8.409	0.000	97	321858	25.0	24.8	
92 Styrene	104	8.427	8.427	0.000	96	537687	25.0	25.0	
95 Bromoform	173	8.647	8.647	0.000	97	129890	25.0	22.5	
94 Isopropylbenzene	105	8.696	8.690	0.007	95	827945	25.0	25.8	
101 Bromobenzene	156	9.006	9.007	0.000	88	238292	25.0	24.6	
97 1,1,2,2-Tetrachloroethane	83	9.013	9.013	0.000	93	211495	25.0	25.7	
99 N-Propylbenzene	91	9.037	9.031	0.006	99	986264	25.0	25.8	
98 trans-1,4-Dichloro-2-buten	53	9.043	9.043	0.000	77	53294	25.0	21.9	
100 1,2,3-Trichloropropane	110	9.055	9.055	0.000	85	54032	25.0	23.5	
103 2-Chlorotoluene	126	9.141	9.141	0.000	97	215146	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	9.171	9.171	0.000	94	724791	25.0	25.8	
105 4-Chlorotoluene	126	9.232	9.232	0.000	97	224873	25.0	25.2	
106 tert-Butylbenzene	134	9.451	9.452	-0.001	93	148231	25.0	25.7	
107 1,2,4-Trimethylbenzene	105	9.494	9.494	0.000	97	739347	25.0	25.7	
109 sec-Butylbenzene	105	9.628	9.628	0.000	94	930915	25.0	26.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.744	9.744	0.000	97	812844	25.0	25.9	
111 1,3-Dichlorobenzene	146	9.781	9.781	0.000	98	445224	25.0	24.7	
113 1,4-Dichlorobenzene	146	9.854	9.854	0.000	96	451336	25.0	24.4	
115 n-Butylbenzene	91	10.098	10.098	0.000	98	745160	25.0	26.4	
116 1,2-Dichlorobenzene	146	10.183	10.183	0.000	99	447433	25.0	24.9	
117 1,2-Dibromo-3-Chloropropan	75	10.872	10.872	0.000	90	36568	25.0	22.5	
119 1,2,4-Trichlorobenzene	180	11.506	11.506	0.000	94	357638	25.0	25.8	
120 Hexachlorobutadiene	225	11.597	11.598	0.000	97	170729	25.0	26.3	
121 Naphthalene	128	11.719	11.719	0.000	97	773790	25.0	25.0	
122 1,2,3-Trichlorobenzene	180	11.908	11.908	0.000	96	337614	25.0	25.7	

Reagents:

GAS CORP mix_00388	Amount Added: 12.50	Units: uL	
8260 CORP mix_00180	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00010	Amount Added: 1.00	Units: uL	Run Reagent

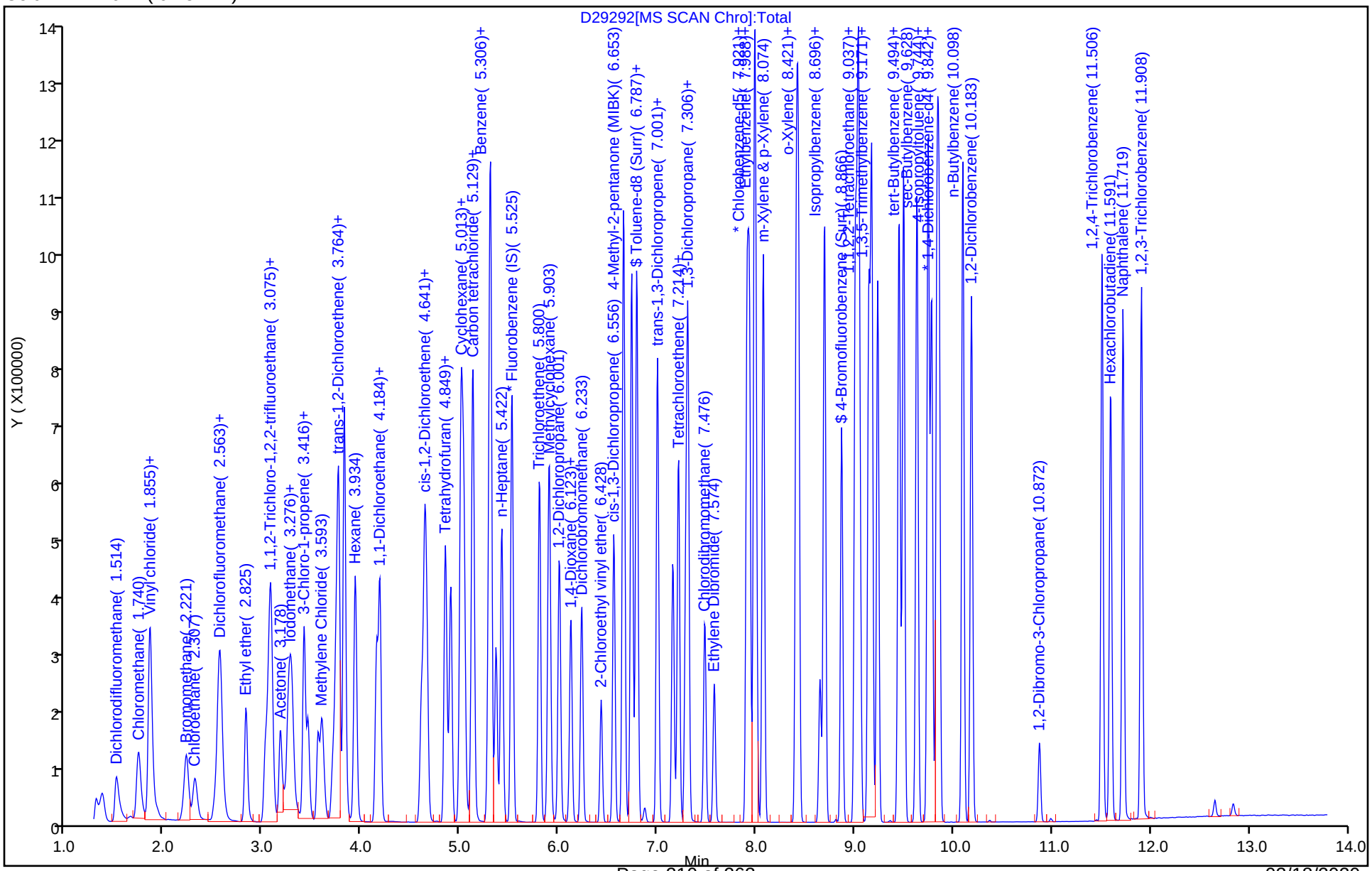
Report Date: 10-Mar-2020 10:44:38 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200310-88726.b\D29292.D

Injection Date:	10-Mar-2020 10:19:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-521067/5

Matrix: Water Lab File ID: D29319.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 03/12/2020 00:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 521067 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	27.9		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.3		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28.6		1.0	0.31
75-34-3	1,1-Dichloroethane	24.9		1.0	0.38
75-35-4	1,1-Dichloroethene	26.7		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.9		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.6		1.0	0.39
95-50-1	1,2-Dichlorobenzene	25.7		1.0	0.79
107-06-2	1,2-Dichloroethane	20.7		1.0	0.21
78-87-5	1,2-Dichloropropane	26.7		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.8		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.3		1.0	0.84
78-93-3	2-Butanone (MEK)	117		10	1.3
591-78-6	2-Hexanone	126		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	123		5.0	2.1
67-64-1	Acetone	111		10	3.0
71-43-2	Benzene	26.5		1.0	0.41
75-27-4	Bromodichloromethane	23.7		1.0	0.39
75-25-2	Bromoform	25.0		1.0	0.26
74-83-9	Bromomethane	22.4		1.0	0.69
75-15-0	Carbon disulfide	27.1		1.0	0.19
56-23-5	Carbon tetrachloride	23.9		1.0	0.27
108-90-7	Chlorobenzene	25.5		1.0	0.75
124-48-1	Dibromochloromethane	23.9		1.0	0.32
75-00-3	Chloroethane	19.9		1.0	0.32
67-66-3	Chloroform	23.1		1.0	0.34
74-87-3	Chloromethane	19.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.1		1.0	0.36
110-82-7	Cyclohexane	30.2		1.0	0.18
75-71-8	Dichlorodifluoromethane	20.2		1.0	0.68
100-41-4	Ethylbenzene	26.2		1.0	0.74
106-93-4	1,2-Dibromoethane	25.5		1.0	0.73
98-82-8	Isopropylbenzene	27.2		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-521067/5

Matrix: Water Lab File ID: D29319.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 03/12/2020 00:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 521067 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	48.9		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.0		1.0	0.16
108-87-2	Methylcyclohexane	30.9		1.0	0.16
75-09-2	Methylene Chloride	26.2		1.0	0.44
100-42-5	Styrene	26.1		1.0	0.73
127-18-4	Tetrachloroethene	26.2		1.0	0.36
108-88-3	Toluene	26.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.0		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.5		1.0	0.37
79-01-6	Trichloroethene	25.3		1.0	0.46
75-69-4	Trichlorofluoromethane	23.5		1.0	0.88
75-01-4	Vinyl chloride	23.2		1.0	0.90
1330-20-7	Xylenes, Total	51.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29319.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 12-Mar-2020 00:05:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0088780-005
Operator ID: CDC Instrument ID: HP5975D

Method: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Mar-2020 00:40:11 Calib Date: 20-Jan-2020 21:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975D\20200120-87606.b\D2201.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: CTX0315

First Level Reviewer: cwiklinc Date: 12-Mar-2020 00:40:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.513	5.513	0.000	99	130969	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.897	7.897	0.000	85	284853	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.824	9.823	0.001	94	309401	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.026	5.025	0.001	95	198729	25.0	23.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.294	5.294	0.000	98	103913	25.0	23.2	
$ 5 Toluene-d8 (Surr)	98	6.727	6.726	0.001	93	676643	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr	174	8.860	8.860	0.000	95	234913	25.0	24.5	
10 Dichlorodifluoromethane	85	1.508	1.508	0.000	99	184093	25.0	20.2	
12 Chloromethane	50	1.728	1.733	-0.005	99	229222	25.0	19.7	
144 Butadiene	54	1.843	1.849	-0.006	91	192334	25.0	21.1	
13 Vinyl chloride	62	1.849	1.855	-0.006	97	219903	25.0	23.2	
14 Bromomethane	94	2.209	2.215	-0.006	90	152244	25.0	22.4	
15 Chloroethane	64	2.301	2.313	-0.012	99	111812	25.0	19.9	
16 Dichlorofluoromethane	67	2.544	2.544	0.000	97	302621	25.0	21.9	
17 Trichlorofluoromethane	101	2.551	2.550	0.001	98	274413	25.0	23.5	
18 Ethyl ether	59	2.813	2.819	-0.006	94	147889	25.0	25.5	
20 Acrolein	56	3.008	3.008	0.000	100	88779	125.0	70.4	
21 1,1,2-Trichloro-1,2,2-trif	101	3.057	3.069	-0.012	93	191858	25.0	28.6	
22 1,1-Dichloroethene	96	3.069	3.075	-0.006	98	173038	25.0	26.7	
23 Acetone	43	3.160	3.166	-0.006	100	270612	125.0	111.3	
25 Iodomethane	142	3.252	3.258	-0.006	99	370889	25.0	24.1	
26 Carbon disulfide	76	3.270	3.276	-0.006	99	606734	25.0	27.1	
28 3-Chloro-1-propene	41	3.404	3.410	-0.006	93	280474	25.0	24.5	
27 Methyl acetate	43	3.447	3.447	0.000	98	261822	50.0	48.9	
30 Methylene Chloride	84	3.544	3.544	-0.006	96	200421	25.0	26.2	M
31 2-Methyl-2-propanol	59	3.697	3.696	0.001	99	199864	250.0	245.3	
32 Methyl tert-butyl ether	73	3.733	3.733	0.000	95	460538	25.0	24.0	
34 trans-1,2-Dichloroethene	96	3.758	3.757	0.001	98	194980	25.0	26.0	
33 Acrylonitrile	53	3.812	3.812	0.000	99	651782	250.0	267.0	
35 Hexane	57	3.922	3.928	-0.006	92	279763	25.0	29.6	
39 1,1-Dichloroethane	63	4.142	4.142	0.000	96	339840	25.0	24.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	4.172	4.172	0.000	97	675490	50.0	47.9	
44 2,2-Dichloropropane	77	4.599	4.599	0.000	92	181684	25.0	23.5	
45 cis-1,2-Dichloroethene	96	4.629	4.629	0.000	82	215142	25.0	25.5	
43 2-Butanone (MEK)	43	4.648	4.654	-0.006	100	408434	125.0	116.9	
48 Chlorobromomethane	128	4.837	4.837	0.001	94	119106	25.0	24.5	
49 Tetrahydrofuran	42	4.849	4.849	0.000	88	104747	50.0	50.6	
50 Chloroform	83	4.892	4.891	0.001	93	336899	25.0	23.1	
51 1,1,1-Trichloroethane	97	4.995	4.995	0.000	98	283936	25.0	24.0	
52 Cyclohexane	56	5.001	5.001	0.000	91	340332	25.0	30.2	
55 Carbon tetrachloride	117	5.111	5.111	0.000	97	270936	25.0	23.9	
54 1,1-Dichloropropene	75	5.117	5.123	-0.006	97	259716	25.0	26.2	
53 Isobutyl alcohol	43	5.276	5.275	0.001	94	211659	625.0	612.0	
57 Benzene	78	5.294	5.300	-0.006	97	726836	25.0	26.5	
58 1,2-Dichloroethane	62	5.349	5.355	-0.006	97	240820	25.0	20.7	
59 n-Heptane	43	5.410	5.410	0.000	93	278038	25.0	28.5	
62 Trichloroethene	95	5.794	5.794	0.000	97	205728	25.0	25.3	
64 Methylcyclohexane	83	5.891	5.891	0.000	92	323523	25.0	30.9	
65 1,2-Dichloropropane	63	5.995	5.995	0.000	97	195780	25.0	26.7	
66 1,4-Dioxane	88	6.099	6.098	0.001	93	36460	500.0	596.0	
67 Dibromomethane	93	6.111	6.111	0.000	96	126627	25.0	24.1	
68 Dichlorobromomethane	83	6.221	6.220	0.001	99	254224	25.0	23.7	
69 2-Chloroethyl vinyl ether	63	6.416	6.422	-0.006	91	115472	25.0	32.3	
72 cis-1,3-Dichloropropene	75	6.550	6.550	0.000	97	305427	25.0	26.1	
73 4-Methyl-2-pentanone (MIBK	43	6.647	6.647	0.000	96	880821	125.0	122.7	
74 Toluene	92	6.781	6.781	0.000	98	464697	25.0	26.2	
77 trans-1,3-Dichloropropene	75	6.989	6.989	0.000	97	276206	25.0	25.5	
75 Ethyl methacrylate	69	6.995	6.995	0.000	90	221811	25.0	27.1	
79 1,1,2-Trichloroethane	83	7.147	7.147	0.000	90	142547	25.0	26.3	
81 Tetrachloroethene	166	7.202	7.202	0.000	97	226837	25.0	26.2	
82 1,3-Dichloropropane	76	7.275	7.275	0.000	97	268885	25.0	26.3	
80 2-Hexanone	43	7.300	7.299	0.001	96	645541	125.0	125.6	
83 Chlorodibromomethane	129	7.470	7.470	0.000	90	221814	25.0	23.9	
84 Ethylene Dibromide	107	7.568	7.568	0.000	99	191671	25.0	25.5	
87 Chlorobenzene	112	7.921	7.921	0.000	97	554426	25.0	25.5	
88 Ethylbenzene	91	7.976	7.976	0.000	98	880451	25.0	26.2	
89 1,1,1,2-Tetrachloroethane	131	7.989	7.988	0.000	97	205429	25.0	24.3	
90 m-Xylene & p-Xylene	106	8.062	8.061	0.001	98	350380	25.0	26.0	
91 o-Xylene	106	8.397	8.397	0.000	96	343824	25.0	25.8	
92 Styrene	104	8.421	8.421	0.000	96	577982	25.0	26.1	
95 Bromoform	173	8.641	8.641	0.000	98	148252	25.0	25.0	
94 Isopropylbenzene	105	8.683	8.683	0.000	95	895005	25.0	27.2	
101 Bromobenzene	156	8.994	8.994	0.000	89	256492	25.0	25.8	
97 1,1,2,2-Tetrachloroethane	83	9.000	9.000	0.000	93	236045	25.0	27.9	
99 N-Propylbenzene	91	9.025	9.025	0.000	99	1078724	25.0	27.5	
98 trans-1,4-Dichloro-2-buten	53	9.037	9.037	0.000	82	62504	25.0	25.0	
100 1,2,3-Trichloropropane	110	9.043	9.043	0.000	84	62607	25.0	26.5	
103 2-Chlorotoluene	126	9.135	9.134	0.001	98	228134	25.0	25.9	
102 1,3,5-Trimethylbenzene	105	9.165	9.165	0.000	94	768481	25.0	26.6	
105 4-Chlorotoluene	126	9.226	9.226	0.000	97	239909	25.0	26.1	
106 tert-Butylbenzene	134	9.439	9.439	0.000	92	155962	25.0	26.3	
107 1,2,4-Trimethylbenzene	105	9.488	9.488	0.000	97	785124	25.0	26.5	
109 sec-Butylbenzene	105	9.622	9.622	0.000	94	1016475	25.0	27.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.738	9.738	0.000	97	869743	25.0	26.9	
111 1,3-Dichlorobenzene	146	9.769	9.768	0.001	97	477588	25.0	25.8	
113 1,4-Dichlorobenzene	146	9.848	9.848	0.000	96	481408	25.0	25.3	
115 n-Butylbenzene	91	10.086	10.085	0.001	98	807092	25.0	27.9	
116 1,2-Dichlorobenzene	146	10.177	10.177	0.000	99	475872	25.0	25.7	
117 1,2-Dibromo-3-Chloropropan	75	10.866	10.866	0.000	90	41169	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	11.500	11.500	0.000	95	369858	25.0	25.9	
120 Hexachlorobutadiene	225	11.585	11.585	0.000	96	188443	25.0	28.2	
121 Naphthalene	128	11.713	11.713	0.000	97	833628	25.0	26.2	
122 1,2,3-Trichlorobenzene	180	11.902	11.902	0.000	96	350491	25.0	25.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00388	Amount Added:	12.50	Units: uL	
8260 CORP mix_00180	Amount Added:	12.50	Units: uL	
D 8260 IS/SUR_00010	Amount Added:	1.00	Units: uL	Run Reagent

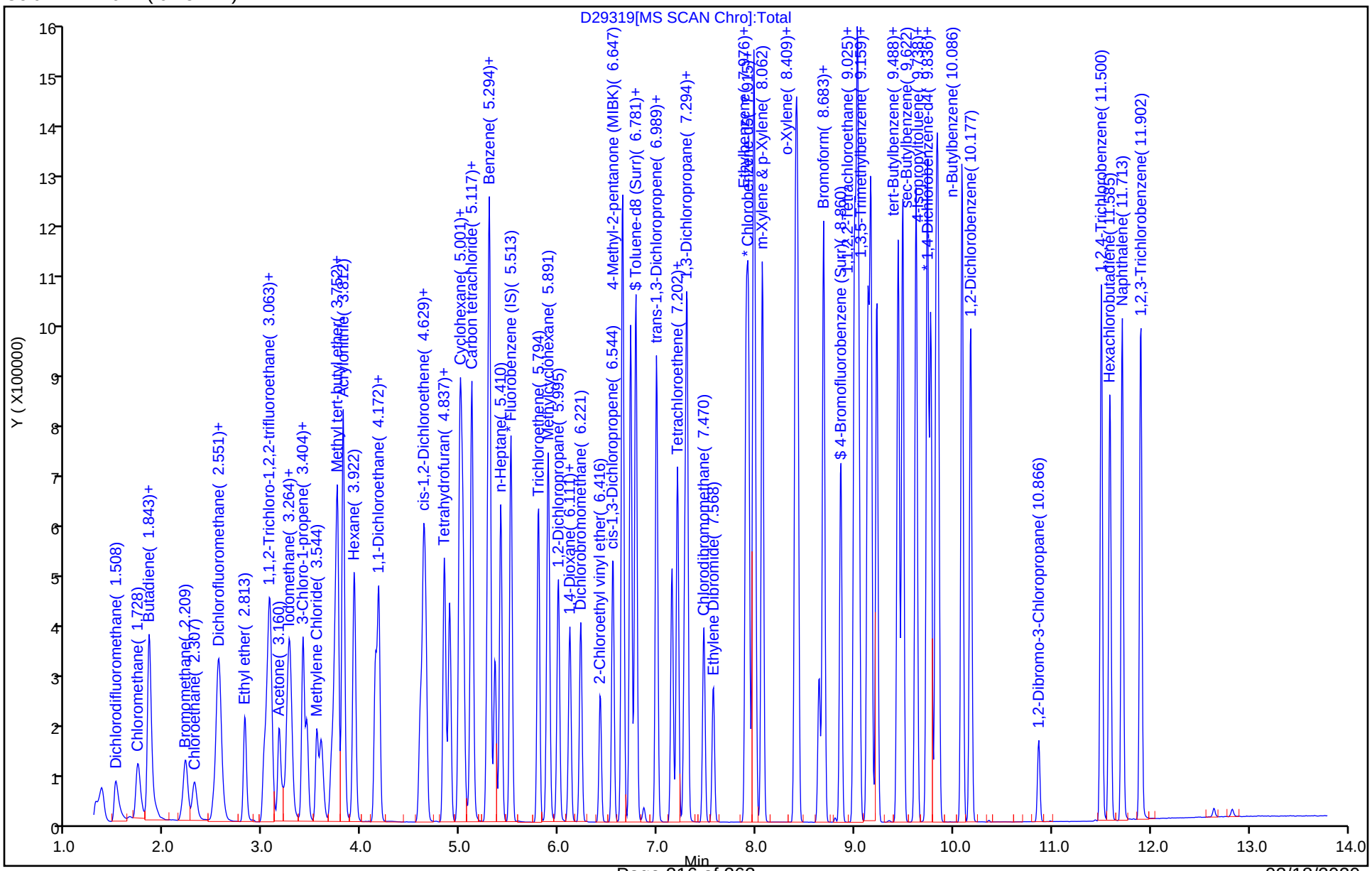
Report Date: 12-Mar-2020 00:40:11 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29319.D

Injection Date:	12-Mar-2020 00:05:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

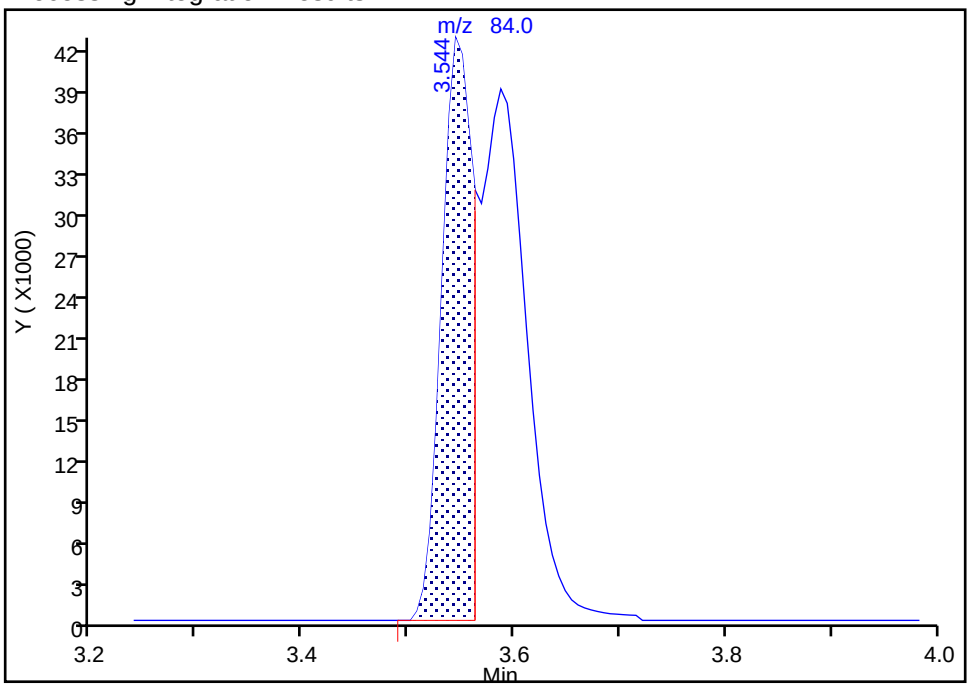
Data File: \\chromna\Buffalo\ChromData\HP5975D\20200311-88780.b\D29319.D
Injection Date: 12-Mar-2020 00:05:30 Instrument ID: HP5975D
Lims ID: LCS
Client ID:
Operator ID: CDC ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

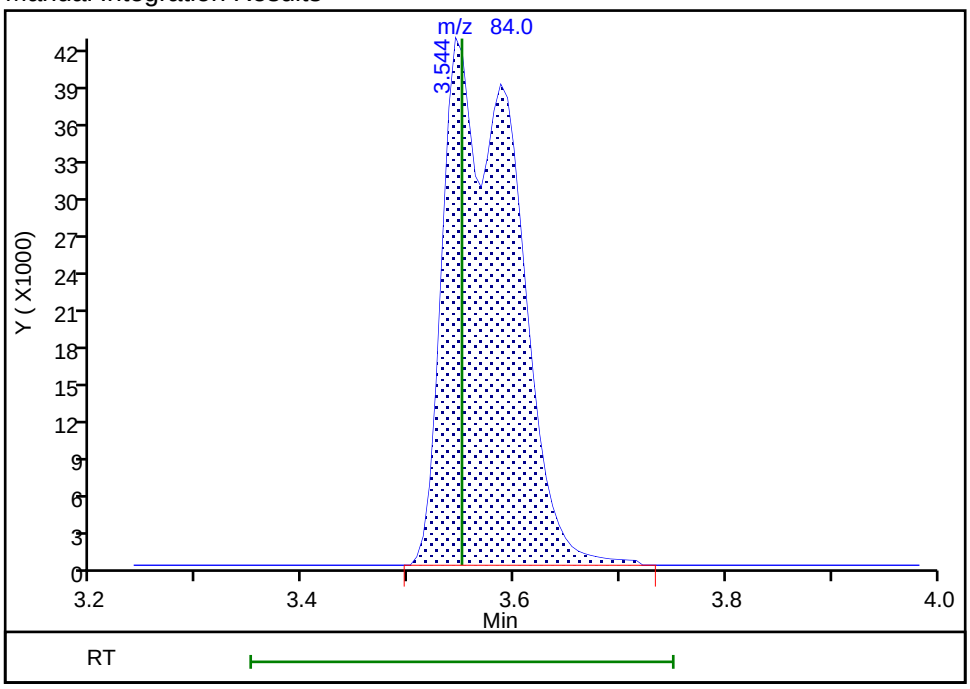
Processing Integration Results

RT: 3.54
Area: 87196
Amount: 11.025160
Amount Units: ug/L



Manual Integration Results

RT: 3.54
Area: 200421
Amount: 26.248374
Amount Units: ug/L



Reviewer: cwiklinc, 12-Mar-2020 00:39:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Instrument ID: HP5975D Start Date: 01/20/2020 13:36

Analysis Batch Number: 514167 End Date: 01/20/2020 23:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-514167/5		01/20/2020 13:36	1	D2180.D	ZB-624 (20) 0.18(mm)
IC 480-514167/7		01/20/2020 14:46	1	D2183.D	ZB-624 (20) 0.18(mm)
IC 480-514167/8		01/20/2020 15:08	1	D2184.D	ZB-624 (20) 0.18(mm)
IC 480-514167/9		01/20/2020 15:31	1	D2185.D	ZB-624 (20) 0.18(mm)
IC 480-514167/10		01/20/2020 15:55	1	D2186.D	ZB-624 (20) 0.18(mm)
IC 480-514167/11		01/20/2020 16:18	1	D2187.D	ZB-624 (20) 0.18(mm)
ICIS 480-514167/12		01/20/2020 16:41	1	D2188.D	ZB-624 (20) 0.18(mm)
IC 480-514167/13		01/20/2020 17:04	1	D2189.D	ZB-624 (20) 0.18(mm)
IC 480-514167/14		01/20/2020 17:27	1	D2190.D	ZB-624 (20) 0.18(mm)
MDLV 480-514167/16		01/20/2020 18:13	1		ZB-624 (20) 0.18(mm)
MDLV 480-514167/17		01/20/2020 18:35	1		ZB-624 (20) 0.18(mm)
IC 480-514167/19		01/20/2020 19:21	1		ZB-624 (20) 0.18(mm)
IC 480-514167/20		01/20/2020 19:44	1		ZB-624 (20) 0.18(mm)
IC 480-514167/21		01/20/2020 20:07	1		ZB-624 (20) 0.18(mm)
IC 480-514167/22		01/20/2020 20:30	1		ZB-624 (20) 0.18(mm)
IC 480-514167/23		01/20/2020 20:53	1		ZB-624 (20) 0.18(mm)
IC 480-514167/24		01/20/2020 21:16	1		ZB-624 (20) 0.18(mm)
IC 480-514167/25		01/20/2020 21:39	1		ZB-624 (20) 0.18(mm)
MDLV 480-514167/27		01/20/2020 22:26	1		ZB-624 (20) 0.18(mm)
ICV 480-514167/28		01/20/2020 22:49	1	D2204.D	ZB-624 (20) 0.18(mm)
ICV 480-514167/29		01/20/2020 23:12	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Instrument ID: HP5975D Start Date: 03/10/2020 09:09

Analysis Batch Number: 520696 End Date: 03/10/2020 18:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-520696/2		03/10/2020 09:09	1	D29289.D	ZB-624 (20) 0.18(mm)
CCVIS 480-520696/3		03/10/2020 09:33	1	D29290.D	ZB-624 (20) 0.18(mm)
CCV 480-520696/4		03/10/2020 09:56	1		ZB-624 (20) 0.18(mm)
LCS 480-520696/5		03/10/2020 10:19	1	D29292.D	ZB-624 (20) 0.18(mm)
RL 480-520696/6		03/10/2020 10:43	1		ZB-624 (20) 0.18(mm)
MB 480-520696/7		03/10/2020 11:06	1	D29294.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 11:39	5		ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 12:02	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 12:26	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 12:49	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 13:12	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 13:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 13:58	20		ZB-624 (20) 0.18(mm)
480-167088-1		03/10/2020 14:21	2	D29302.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 14:45	5		ZB-624 (20) 0.18(mm)
480-167088-3		03/10/2020 15:08	4	D29304.D	ZB-624 (20) 0.18(mm)
480-167088-4		03/10/2020 15:31	5	D29305.D	ZB-624 (20) 0.18(mm)
480-167088-5		03/10/2020 15:55	1	D29306.D	ZB-624 (20) 0.18(mm)
480-167088-6		03/10/2020 16:18	1	D29307.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 16:41	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 17:04	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 17:27	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 17:50	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 18:13	20		ZB-624 (20) 0.18(mm)
ZZZZZ		03/10/2020 18:36	20		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Instrument ID: HP5975D Start Date: 03/11/2020 21:23

Analysis Batch Number: 521067 End Date: 03/12/2020 08:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-521067/2		03/11/2020 21:23	1	D29316.D	ZB-624 (20) 0.18(mm)
CCVIS 480-521067/3		03/11/2020 23:16	1	D29317.D	ZB-624 (20) 0.18(mm)
CCV 480-521067/4		03/11/2020 23:39	1		ZB-624 (20) 0.18(mm)
LCS 480-521067/5		03/12/2020 00:05	1	D29319.D	ZB-624 (20) 0.18(mm)
MB 480-521067/7		03/12/2020 00:51	1	D29321.D	ZB-624 (20) 0.18(mm)
480-167088-2		03/12/2020 01:21	2	D29322.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 01:44	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 02:07	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 02:31	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 02:54	800		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 03:17	100		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 03:40	10		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 04:03	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 04:26	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 04:50	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 05:13	500		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 05:36	80		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 05:59	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 06:22	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 06:46	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 07:08	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 07:32	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 07:55	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 08:18	100		ZB-624 (20) 0.18(mm)
ZZZZZ		03/12/2020 08:41	100		ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Batch Number: 514167 Batch Start Date: 01/20/20 13:36 Batch Analyst: Moffat, Alyssa M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00177	BFB_WRK 00100	D 8260 IS/SUR 00008	GAS CORP mix 00379
BFB 480-514167/5		8260C		1 uL	1 uL		1 uL		
IC 480-514167/7		8260C		5 mL	5 mL	0.4 uL		1 uL	0.4 uL
IC 480-514167/8		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-514167/9		8260C		5 mL	5 mL	2 uL		1 uL	2 uL
IC 480-514167/10		8260C		5 mL	5 mL	5 uL		1 uL	5 uL
IC 480-514167/11		8260C		5 mL	5 mL	5 uL		1 uL	5 uL
ICIS 480-514167/12		8260C		5 mL	5 mL	12.5 uL		1 uL	12.5 uL
IC 480-514167/13		8260C		5 mL	5 mL	25 uL		1 uL	25 uL
IC 480-514167/14		8260C		5 mL	5 mL	50 uL		1 uL	50 uL
ICV 480-514167/28		8260C		5 mL	5 mL			1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	SS 8260 CORP 00081					
BFB 480-514167/5		8260C							
IC 480-514167/7		8260C							
IC 480-514167/8		8260C							
IC 480-514167/9		8260C							
IC 480-514167/10		8260C							
IC 480-514167/11		8260C							
ICIS 480-514167/12		8260C							
IC 480-514167/13		8260C							
IC 480-514167/14		8260C							
ICV 480-514167/28		8260C		12.5 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Batch Number: 514167 Batch Start Date: 01/20/20 13:36 Batch Analyst: Moffat, Alyssa M

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Batch Number: 520696 Batch Start Date: 03/10/20 09:09 Batch Analyst: Cwiklinski, Charles D

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00180	BFB_WRK 00101	D 8260 IS/SUR 00010
BFB 480-520696/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-520696/3		8260C		5 mL	5 mL		12.5 uL		1 uL
LCS 480-520696/5		8260C		5 mL	5 mL		12.5 uL		1 uL
MB 480-520696/7		8260C		5 mL	5 mL				1 uL
480-167088-A-1	RW-1	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-167088-A-3	RW-3	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-167088-A-4	DUP	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-167088-A-5	EFFLUENT	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-167088-A-6	TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00388	AnalysisComment				
BFB 480-520696/2		8260C							
CCVIS 480-520696/3		8260C		12.5 uL					
LCS 480-520696/5		8260C		12.5 uL					
MB 480-520696/7		8260C							
480-167088-A-1	RW-1	8260C	T		foam				
480-167088-A-3	RW-3	8260C	T		target				
480-167088-A-4	DUP	8260C	T		foam				
480-167088-A-5	EFFLUENT	8260C	T						
480-167088-A-6	TRIP BLANK	8260C	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Batch Number: 521067 Batch Start Date: 03/11/20 21:23 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00180	BFB_WRK 00101	D 8260 IS/SUR 00010
BFB 480-521067/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-521067/3		8260C		5 mL	5 mL		12.5 uL		1 uL
LCS 480-521067/5		8260C		5 mL	5 mL		12.5 uL		1 uL
MB 480-521067/7		8260C		5 mL	5 mL				1 uL
480-167088-B-2	RW-2	8260C	T	5 mL	5 mL	<2 SU			1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00388					
BFB 480-521067/2		8260C							
CCVIS 480-521067/3		8260C		12.5 uL					
LCS 480-521067/5		8260C		12.5 uL					
MB 480-521067/7		8260C							
480-167088-B-2	RW-2	8260C	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-167088-1

SDG No.:

Project: Roxy Cleaners #442024

Client Sample ID	Lab Sample ID
RW-1	480-167088-1
RW-2	480-167088-2

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-1 Lab Sample ID: 480-167088-1

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG ID.:

Matrix: Water Date Sampled: 03/05/2020 12:30

Reporting Basis: WET Date Received: 03/06/2020 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	349	20.0	8.7	mg/L			20	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-2 Lab Sample ID: 480-167088-2

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG ID.:

Matrix: Water Date Sampled: 03/05/2020 12:35

Reporting Basis: WET Date Received: 03/06/2020 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	1.7	1.0	0.43	mg/L			1	SM 5310C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Analyst: CLA Batch Start Date: 03/05/2020

Reporting Units: mg/L Analytical Batch No.: 520775

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	16:32	Total Organic Carbon	63.35	60.0	106	90-110		TOC_A_1000_00004
2	ICB	16:49	Total Organic Carbon	0.495				J	
27	CCV	23:27	Total Organic Carbon	62.42	60.0	104	90-110		TOC_CCV_00084
28	CCB	23:44	Total Organic Carbon	ND					
39	CCV	03:46	Total Organic Carbon	62.53	60.0	104	90-110		TOC_CCV_00084
40	CCB	04:02	Total Organic Carbon	ND					

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Analyst: CLA Batch Start Date: 03/11/2020

Reporting Units: mg/L Analytical Batch No.: 521170

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
2	CCV	15:52	Total Organic Carbon	60.91	60.0	102	90-110		TOC_CCV_00084
3	CCB	16:08	Total Organic Carbon	ND					
13	CCV	18:54	Total Organic Carbon	61.09	60.0	102	90-110		TOC_CCV_00084
14	CCB	19:09	Total Organic Carbon	ND					

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 520775	Date: 03/08/2020 00:00						
SM 5310C	MB 480-520775/29	Total Organic Carbon	ND		mg/L	1.0	1
Batch ID: 521170	Date: 03/11/2020 16:23						
SM 5310C	MB 480-521170/4	Total Organic Carbon	ND		mg/L	1.0	1

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 520775 Date: 03/08/2020 00:16											
						LCS Source: TOC_LCS_00083					
SM 5310C	LCS 480-520775/30	Total Organic Carbon	60.88		mg/L	60.0	101	90-110			
Batch ID: 521170 Date: 03/11/2020 16:38											
						LCS Source: TOC_LCS_00083					
SM 5310C	LCS 480-521170/5	Total Organic Carbon	59.01		mg/L	60.0	98	90-110			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-167088-1

SDG Number:

Matrix: Water Instrument ID: TOC10301

Method: SM 5310C MDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Organic Carbon		1	0.434

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-167088-1

SDG Number:

Matrix: Water Instrument ID: TOC10301

Method: SM 5310C XMDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon		1	0.434

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-167088-1

SDG Number:

Matrix: Water Instrument ID: TOC10302

Method: SM 5310C MDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Organic Carbon		1	0.434

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-167088-1

SDG Number:

Matrix: Water Instrument ID: TOC10302

Method: SM 5310C XMDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon		1	0.434

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Instrument ID: TOC10301 Method: SM 5310C

Start Date: 03/11/2020 15:38 End Date: 03/11/2020 21:11

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOC																			
RINSE 480-521170/1			15:38																				
CCV 480-521170/2	1		15:52	X																			
CCB 480-521170/3	1		16:08	X																			
MB 480-521170/4	1	T	16:23	X																			
LCS 480-521170/5	1	T	16:38	X																			
ZZZZZZ			16:53																				
ZZZZZZ			17:22																				
ZZZZZZ			17:37																				
ZZZZZZ			17:52																				
ZZZZZZ			18:08																				
ZZZZZZ			18:24																				
480-167088-1	20	T	18:39	X																			
CCV 480-521170/13	1		18:54	X																			
CCB 480-521170/14	1		19:09	X																			
ZZZZZZ			19:24																				
ZZZZZZ			19:40																				
ZZZZZZ			19:55																				
ZZZZZZ			20:10																				
ZZZZZZ			20:25																				
CCV 480-521170/20			20:41																				
CCB 480-521170/21			20:56																				
ZZZZZZ			21:11																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Instrument ID: TOC10302 Method: SM 5310C

Start Date: 03/05/2020 16:32 End Date: 03/10/2020 11:19

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOC																			
ICV 480-520775/1	1		16:32	X																			
ICB 480-520775/2	1		16:49	X																			
RINSE 480-520775/3			16:34																				
CCV 480-520775/4			16:50																				
CCB 480-520775/5			17:06																				
ZZZZZZ			17:22																				
ZZZZZZ			17:39																				
ZZZZZZ			17:56																				
ZZZZZZ			18:29																				
ZZZZZZ			18:45																				
ZZZZZZ			19:02																				
ZZZZZZ			19:18																				
ZZZZZZ			19:35																				
ZZZZZZ			19:51																				
CCV 480-520775/15			20:07																				
CCB 480-520775/16			20:23																				
ZZZZZZ			20:40																				
ZZZZZZ			20:57																				
ZZZZZZ			21:13																				
ZZZZZZ			21:30																				
ZZZZZZ			21:46																				
ZZZZZZ			22:02																				
ZZZZZZ			22:20																				
ZZZZZZ			22:37																				
ZZZZZZ			22:54																				
ZZZZZZ			23:11																				
CCV 480-520775/27	1		23:27	X																			
CCB 480-520775/28	1		23:44	X																			
MB 480-520775/29	1	T	00:00	X																			
LCS 480-520775/30	1	T	00:16	X																			
ZZZZZZ			00:33																				
ZZZZZZ			00:49																				
ZZZZZZ			01:05																				
ZZZZZZ			01:23																				
ZZZZZZ			01:39																				
480-167088-2	1	T	01:55	X																			
ZZZZZZ			03:13																				
ZZZZZZ			03:30																				
CCV 480-520775/39	1		03:46	X																			
CCB 480-520775/40	1		04:02	X																			
ZZZZZZ			04:19																				
ZZZZZZ			04:35																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Instrument ID: TOC10302 Method: SM 5310C

Start Date: 03/05/2020 16:32 End Date: 03/10/2020 11:19

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			04:51																				
CCV 480-520775/44			05:08																				
CCB 480-520775/45			05:25																				
ZZZZZZ			05:41																				
ZZZZZZ			05:57																				
ZZZZZZ			06:14																				
ZZZZZZ			06:30																				
ZZZZZZ			06:46																				
ZZZZZZ			07:04																				
ZZZZZZ			07:20																				
ZZZZZZ			07:36																				
CCV 480-520775/54			07:53																				
CCB 480-520775/55			08:10																				
ZZZZZZ			08:27																				
CCV 480-520775/57			11:19																				

Prep Types

T = Total/NA

TOC Wheel Worksheet

BATCH # 521170
Instrument # 1
SRF # 49550

Method 5310
File Name 20200311A

	Sample ID	Dil	pH	Comment
1	Rinse			
2	CCV			
3	CCB			
4	MB			
5	LCS			
6	167135-B-1			
7	7135-C-1TIC			
8	167148-A-1			
9	7148-B-1 MS	2		21.5mL → 43 mL
10	7148-B-1 MSD	2		L
11	166897-G-1	80		500µL → 40mL
12	167063-J-2		•	
13	167088-D-1	20		2mL → 40mL
14	CCV			
15	CCB			
16	166251-P-1		•	
17	167155-G-1	5		8mL → 40mL
18	167216 C-1			
19	7216-C-2			
20	167223-B-1			
21				
22				
23				
24				
25				
26	CCV			
27	CCB			
28	MB -filter			
29	LCS -filter			
30				
31				
32				
33				
34				
35				
36				
37				
38	CCV			
39	CCB			
40				
41				
42				
43				
44				
45				

LW
END

521170

5310

46				
47				
48				
49				
50	CCV			
51	CCB			
52	MB			
53	LCS			
54				
55				
56				
57				
58				
59				
60				
61				
62	CCV			
63	CCB			
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74	CCV			
75	CCB			
76	MB			
77	LCS			
78				
79				
80				
81				
82				
83				
84				
85				
86	CCV			
87	CCB			

Date 11 MAR 20

Analyst CA

TIC 5648531

MS 5736721

CCV 5788481

LCS 5788482

All pH <2 CA

pipette (1000 uL) M35907C

acid 5510039

sodium persulfate 5754957

phosphoric acid 5740434

User ID:toc Name:Total Organic Carbon
Title:Mr Dept:OIC-TOC

Calibration - Quick View -TOC

Revision: 1-20200305cal - Mar 05, 2020; 01-10-20 PM
Modified By: toc
Date Created: 2020/03/05; 01:14 PM
Last Modified: 2020/03/05; 06:20 PM
Last Calibrated: 2020/03/05; 05:28 PM

RF(ugC/k-cnt): 0.3450
R2: 0.9996
Reagent Blank(cts): 1,487
Offset Area(cts): 2,614
Offset Mass(ugC): -0.90

Std #	Conc (PPM)	Volume (mL)	# Reps	Area	Std. Dev	%RSD	Date Analysed
RW	0.000	2.000	4	2,610	147	5.64	2020-03-05; 02:22PM
1	1.000	2.000	4	8,492	454	5.35	2020-03-05; 02:50PM
2	2.000	2.000	4	14,199	426	3.00	2020-03-05; 03:18PM
3	5.000	2.000	4	32,028	891	2.78	2020-03-05; 03:45PM
4	10.000	2.000	4	60,877	923	1.52	2020-03-05; 04:13PM
5	50.000	2.000	4	290,693	4,235	1.46	2020-03-05; 04:41PM
6	100.000	2.000	4	583,345	11,632	1.99	2020-03-05; 05:09PM

ICV 61.569

ICB 0.485

OI Corporation TOC Reporter 03-12-2020 12:01 PM

Instrument ID: A547730578 Wet-Chemistry

User ID:toc	Name: Total Organic Carbon
Title:Mr	Dept: OIC-TOC

5 21170

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)	
2	Rinse	3/11/2020 3:38:00PM	1	3409	0.274	0.137	
		3/11/2020 3:43:17PM	2	2879	0.092	0.046	
			Avg	3144	0.180	0.092	ok
			Std. Dev	375			
			%RSD	11.92			
3	CCV	3/11/2020 3:52:56PM	1	349842	119.799	59.900	
		3/11/2020 3:58:39PM	2	361600	123.856	61.927	
			Avg	355721	121.830	60.914	
			Std. Dev	8314			
			%RSD	2.34			
4	CCB	3/11/2020 4:08:00PM	1	2800	0.064	0.032	
		3/11/2020 4:14:40PM	2	3270	0.226	0.113	
			Avg	3035	0.150	0.073	ok
			Std. Dev	332			
			%RSD	10.95			
5	MB	3/11/2020 4:23:10PM	1	3018	0.139	0.070	
		3/11/2020 4:29:51PM	2	3354	0.255	0.128	
			Avg	3186	0.200	0.099	
			Std. Dev	238			
			%RSD	7.46			
6	LCS	3/11/2020 4:38:39PM	1	341297	116.851	58.426	
		3/11/2020 4:44:36PM	2	348047	119.180	59.590	
			Avg	344672	118.020	59.008	
			Std. Dev	4773			
			%RSD	1.38			
7	480-167135-B-1	3/11/2020 4:53:20PM	1	5859	1.120	0.560	
		3/11/2020 4:59:50PM	2	5616	1.036	0.518	
			Avg	5737	1.080	0.539	
			Std. Dev	172			
			%RSD	3.00			
8	480-167135-C-1 TIC	3/11/2020 5:07:47PM	1	6180	1.230	0.615	
		3/11/2020 5:14:26PM	2	5409	0.964	0.482	
			Avg	5794	1.100	0.549	TIC PASS
			Std. Dev	545			
			%RSD	9.40			
9	480-167148-A-1	3/11/2020 5:22:46PM	1	39513	12.731	6.365	
		3/11/2020 5:29:02PM	2	40900	13.209	6.605	
			Avg	40206	12.970	6.485	
			Std. Dev	981			
			%RSD	2.44			
10	480-167148-B-1 MS^2	3/11/2020 5:37:43PM	1	168139	57.109	28.554	
		3/11/2020 5:43:39PM	2	173012	58.790	29.395	

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	170576	57.950	28.974
			Std. Dev	3446		
			%RSD	2.02		
11	480-167148-B-1 MSD^2	3/11/2020 5:52:59PM	1	170750	58.010	29.005
		3/11/2020 5:58:53PM	2	173764	59.049	29.525
			Avg	172257	58.530	29.265
			Std. Dev	2131		
			%RSD	1.24		
12	480-166897-G-1^80	3/11/2020 6:08:45PM	1	203418	69.281	34.640
		3/11/2020 6:14:39PM	2	211150	71.948	35.974
			Avg	207284	70.610	35.307
			Std. Dev	5467		
			%RSD	2.64		
13	480-167063-J-2	3/11/2020 6:24:07PM	1	43327	14.047	7.023
		3/11/2020 6:29:59PM	2	44782	14.549	7.274
			Avg	44055	14.300	7.149
			Std. Dev	1029		
			%RSD	2.34		
14	480-167088-D-1^20	3/11/2020 6:39:13PM	1	101344	34.063	17.032
		3/11/2020 6:45:09PM	2	106255	35.758	17.879
			Avg	103799	34.910	17.455
			Std. Dev	3473		
			%RSD	3.35		
15	CCV	3/11/2020 6:54:20PM	1	352238	120.626	60.313
		3/11/2020 7:00:09PM	2	361289	123.749	61.874
			Avg	356764	122.190	61.094
			Std. Dev	6401		
			%RSD	1.79		
16	CCB	3/11/2020 7:09:26PM	1	3239	0.216	0.108
		3/11/2020 7:15:01PM	2	3427	0.280	0.140
			Avg	3333	0.250	0.124
			Std. Dev	133		
			%RSD	3.99		
17	480-166251-P-1	3/11/2020 7:24:58PM	1	6423	1.314	0.657
		3/11/2020 7:30:34PM	2	6765	1.432	0.716
			Avg	6594	1.370	0.687
			Std. Dev	241		
			%RSD	3.66		
18	480-167155-G-1^5	3/11/2020 7:40:30PM	1	164327	55.793	27.897
	Re	3/11/2020 7:46:22PM	2	166685	56.607	28.304
			Avg	165506	56.200	28.101
			Std. Dev	1667		
			%RSD	1.01		

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
19	480-167216-C-1	3/11/2020 7:55:37PM	1	15013	4.278	2.139
		3/11/2020 8:01:40PM	2	15990	4.615	2.308
			Avg	15502	4.450	2.223
			Std. Dev	691		
			%RSD	4.46		
20	480-167216-C-2	3/11/2020 8:10:47PM	1	13575	3.782	1.891
		3/11/2020 8:16:58PM	2	14241	4.012	2.006
			Avg	13908	3.900	1.948
			Std. Dev	471		
			%RSD	3.39		
21	480-167223-B-1	3/11/2020 8:25:41PM	1	2113	0.000	0.000
		3/11/2020 8:31:54PM	2	2255	0.000	0.000
			Avg	2184	0.000	0.000
			Std. Dev	100		
			%RSD	4.57		
22	CCV	3/11/2020 8:41:08PM	1	351157	120.253	60.127
		3/11/2020 8:47:05PM	2	359422	123.105	61.552
			Avg	355289	121.680	60.839
			Std. Dev	5844		
			%RSD	1.64		
23	CCB	3/11/2020 8:56:25PM	1	2874	0.090	0.045
		3/11/2020 9:02:25PM	2	3369	0.261	0.130
			Avg	3122	0.180	0.088
			Std. Dev	350		
			%RSD	11.22		
24	LLV	3/11/2020 9:11:38PM	1	8668	2.089	1.044
		3/11/2020 9:17:42PM	2	9083	2.232	1.116
			Avg	8875	2.160	1.080
			Std. Dev	294		
			%RSD	3.31		

Historical Data Summary Report

For Batch 521170

03/18/2020

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-166897-G-1 ^8	Leachate	5310C	Total Organic Carbon	Total/NA	mg/L	8	80.0	2820	☑	37.265 - 508.985	☑	121.6 - 472.8
480-167063-J-2	MW309B	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	7.1	☑	0 - 4.158	☑	0 - 4.2
480-167148-A-1	EFFLUENT	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	6.5	☐	1.388 - 12.437	☐	3.52 - 13.2
480-167216-C-1	INFLUENT	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	2.2	☐	1.809 - 2.366	☐	1.6 - 2.64
480-167216-C-2	EFFLUENT	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	1.9	☐	1.526 - 2.374	☐	1.36 - 2.64
480-167223-B-1	DEIONIZED	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0

TOC Wheel Worksheet

BATCH # 49499
Instrument # 2
SRF # 520775

Method 5310
File Name 20200307 E

	Sample ID	Dil	pH	Comment
1	Rinse			
2	CCV			
3	CCB			
4	MB			
5	LCS			
6	166996-B-1	800	adj	50mL → 40mL
7	6996-H-ITSC	800	adj	
8	166897-G-1	400		100mL → 40mL
9	6897-H-1MS	400		108mL → 43mL
10	6897-H-1MSD	400		
11	167005-D-1			
12	7005-C-2			
13	167045-G-1			
14	CCV			
15	CCB			
16	167045G-2	2		20mL → 40mL
17	7045-G-3		adj	
18	7045-G-4			
19	7045-G-5	2		20mL → 40mL
20	7045-G-6			
21	167063-J-1			
22	7063-J-2			
23	167064-A-1			
o 24	7064-A-2			
25	167074-D-1			
26	CCV			
27	CCB			
28	MB			
29	LCS			
30	167074-F-2			
31	7074-G-2MS	2		21.5mL → 43mL
32	7074-G-2MSD	2		
33	167081-A-1			cancelled
o 34	167088-D-1			
o 35	7088-D-2			
36	167108-G-1		adj	
37	7108-G-2			
38	CCV			
39	CCB			
o 40	167118-F-1			
o 41	7118-F-2			
o 42	7118-F-3			
43				
44			CA	7MAR20
45				

520775

5310

46				
47			CA	7MAR20
48				
49				
50	CCV			
51	CCB			
52	MB - filter			
53	LCS - filter			
54	167120-R-1			
55	7120-R-1MS			
56	7120-R-1MSD			
57	7120-R-2			
58	7120-R-3			
59	7120-R-4			
60				
61			CA	7MAR20
62	CCV			
63	CCB			
64	LLV			
65				
66				
67				
68				
69				
70				
71				
72				
73				
74	CCV			
75	CCB			
76	MB			
77	LCS			
78				
79				
80				
81				
82				
83				
84				
85				
86	CCV			
87	CCB			

DOC-D

END

Date 7MAR20

Analyst CA

TIC 5648531

MS 5736721

CCV 5788481

LCS 5788482

All pH <2 CA

pipette (1000uL) M 35907C

acid 5510039

sodium persulfate 5754955

phosphoric acid 5740437

User ID:toc Name:Total Organic Carbon
Title:Mr Dept:OIC-TOC

Calibration - Quick View -TOC

Revision: 1-20200305cal - Mar 05, 2020; 01-15-46 PM
Modified By: toc
Date Created: 2020/03/05; 01:18 PM
Last Modified: 2020/03/05; 06:08 PM
Last Calibrated: 2020/03/05; 04:17 PM

RF(ugC/k-cnt): 0.6554
R2: 0.9972
Reagent Blank(cts): 497
Offset Area(cts): 1,164
Offset Mass(ugC): -0.76

Std #	Conc (PPM)	Volume (mL)	# Reps	Area	Std. Dev	%RSD	Date Analysed
RW	0.000	2.000	2	1,196	284	23.75	2020-03-05; 02:31PM
1	1.000	2.000	2	3,852	165	4.29	2020-03-05; 02:49PM
2	2.000	2.000	2	6,672	183	2.75	2020-03-05; 03:05PM
3	5.000	2.000	2	14,361	160	1.12	2020-03-05; 03:21PM
4	10.000	2.000	2	28,442	169	0.60	2020-03-05; 03:37PM
5	50.000	2.000	2	155,091	969	0.62	2020-03-05; 03:54PM
6	100.000	2.000	2	311,595	4,766	1.53	2020-03-05; 04:10PM

ICV 63.354

ICB 0.495

OI Corporation TOC Reporter 03-10-2020 11:42 AM

Instrument ID: E616730030 Wet-Chemistry

User ID:toc	Name: Total Organic Carbon
Title:Mr	Dept: OIC-TOC

5 20775

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
2	Rinse	3/7/2020 4:34:24PM	1	1118	0.000	0.000
		3/7/2020 4:40:34PM	2	1075	0.000	0.000
			Avg	1097	0.000	0.000
			Std. Dev	30		
			%RSD	2.78		
3	CCV	3/7/2020 4:50:11PM	1	191371	124.662	62.331
		3/7/2020 4:57:03PM	2	192482	125.391	62.695
			Avg	191926	125.030	62.513
			Std. Dev	786		
			%RSD	0.41		
4	CCB	3/7/2020 5:06:29PM	1	1264	0.065	0.033
		3/7/2020 5:12:53PM	2	985	0.000	0.000
			Avg	1124	0.030	0.016
			Std. Dev	197		
			%RSD	17.50		
5	MB	3/7/2020 5:22:26PM	1	1014	0.000	0.000
		3/7/2020 5:30:33PM	2	1443	0.183	0.091
			Avg	1228	0.090	0.045
			Std. Dev	303		
			%RSD	24.70		
6	LCS	3/7/2020 5:39:09PM	1	185296	120.681	60.341
		3/7/2020 5:46:01PM	2	187298	121.993	60.997
			Avg	186297	121.340	60.669
			Std. Dev	1416		
			%RSD	0.76		
7	480-166996-G-1^800	3/7/2020 5:56:28PM	1	61269	39.393	19.697
		3/7/2020 6:03:08PM	2	57139	36.686	18.343
			Avg	59204	38.040	19.020
			Std. Dev	2920		
			%RSD	4.93		
8	480-166996-H-1 TIC^800	3/7/2020 6:13:33PM	1	63345	40.754	20.377
		3/7/2020 6:20:17PM	2	58519	37.591	18.795
			Avg	60932	39.170	19.586
			Std. Dev	3412		
			%RSD	5.60		
9	480-166897-G-1^400	3/7/2020 6:29:37PM	1	25744	16.110	8.055
	Re over	3/7/2020 6:36:22PM	2	26126	16.360	8.180
			Avg	25935	16.240	8.118
			Std. Dev	270		
			%RSD	1.04		
10	480-166897-H-1 MS^400	3/7/2020 6:45:53PM	1	110454	71.629	35.815
		3/7/2020 6:52:40PM	2	113073	73.346	36.672

TIC PASS

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	111763	72.490	36.243
			Std. Dev	1852		
			%RSD	1.66		
11	480-166897-H-1 MSD^400	3/7/2020 7:02:16PM	1	110877	71.906	35.953
		3/7/2020 7:09:01PM	2	113190	73.423	36.711
			Avg	112033	72.660	36.332
			Std. Dev	1636		
			%RSD	1.46		
12	480-167005-C-2	3/7/2020 7:18:42PM	1	5511	2.849	1.425
		3/7/2020 7:26:06PM	2	5911	3.112	1.556
			Avg	5711	2.980	1.491
			Std. Dev	283		
			%RSD	4.95		
13	480-167005-D-1	3/7/2020 7:35:37PM	1	7109	3.896	1.948
		3/7/2020 7:42:16PM	2	7240	3.982	1.991
			Avg	7175	3.940	1.969
			Std. Dev	93		
			%RSD	1.29		
14	480-167045-G-1	3/7/2020 7:51:22PM	1	75036	48.416	24.208
		3/7/2020 7:58:32PM	2	76109	49.120	24.560
			Avg	75573	48.770	24.384
			Std. Dev	759		
			%RSD	1.00		
15	CCV	3/7/2020 8:07:44PM	1	192162	125.181	62.591
		3/7/2020 8:14:34PM	2	193333	125.949	62.974
			Avg	192748	125.570	62.783
			Std. Dev	828		
			%RSD	0.43		
16	CCB	3/7/2020 8:23:57PM	1	1179	0.010	0.005
		3/7/2020 8:30:31PM	2	1061	0.000	0.000
			Avg	1120	0.000	0.003
			Std. Dev	83		
			%RSD	7.44		
17	480-167045-G-2^2	3/7/2020 8:40:22PM	1	99411	64.392	32.196
		3/7/2020 8:47:19PM	2	100980	65.420	32.710
			Avg	100196	64.910	32.453
			Std. Dev	1109		
			%RSD	1.11		
18	480-167045-G-3	3/7/2020 8:57:20PM	1	16430	10.006	5.003
		3/7/2020 9:04:22PM	2	17063	10.420	5.210
			Avg	16747	10.210	5.106
			Std. Dev	447		
			%RSD	2.67		

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
19	480-167045-G-4	3/7/2020 9:13:59PM	1	10873	6.363	3.182
		3/7/2020 9:20:47PM	2	10774	6.299	3.149
			Avg	10824	6.330	3.166
			Std. Dev	70		
			%RSD	0.64		
20	480-167045-G-5^2	3/7/2020 9:30:08PM	1	142748	92.795	46.398
		3/7/2020 9:37:15PM	2	143811	93.492	46.746
			Avg	143280	93.140	46.572
			Std. Dev	751		
			%RSD	0.52		
21	480-167045-G-6	3/7/2020 9:46:33PM	1	50833	32.553	16.277
		3/7/2020 9:53:44PM	2	51927	33.271	16.635
			Avg	51380	32.910	16.456
			Std. Dev	774		
			%RSD	1.51		
22	480-167063-J-1	3/7/2020 10:02:57PM	1	10363	6.029	3.015
		3/7/2020 10:09:48PM	2	10562	6.159	3.080
			Avg	10462	6.090	3.048
			Std. Dev	141		
			%RSD	1.34		
23	480-167063-J-2	3/7/2020 10:20:07PM	1	24708	15.431	7.716
		3/7/2020 10:26:51PM	2	22789	14.173	7.087
			Avg	23749	14.800	7.401
			Std. Dev	1357		
			%RSD	5.71		
24	480-167064-A-1	3/7/2020 10:37:17PM	1	8593	4.869	2.434
		3/7/2020 10:44:00PM	2	8142	4.574	2.287
			Avg	8367	4.720	2.361
			Std. Dev	319		
			%RSD	3.81		
25	480-167064-A-2	3/7/2020 10:54:20PM	1	6481	3.485	1.742
		3/7/2020 11:01:03PM	2	6543	3.525	1.763
			Avg	6512	3.510	1.753
			Std. Dev	44		
			%RSD	0.67		
26	480-167074-D-1	3/7/2020 11:11:29PM	1	8562	4.849	2.424
		3/7/2020 11:18:08PM	2	8646	4.904	2.451
			Avg	8604	4.880	2.438
			Std. Dev	59		
			%RSD	0.69		
27	CCV	3/7/2020 11:27:44PM	1	191315	124.626	62.313
		3/7/2020 11:34:30PM	2	191958	125.047	62.524

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	191636	124.840	62.419
			Std. Dev	454		
			%RSD	0.24		
28	CCB	3/7/2020 11:44:07PM	1	1382	0.143	0.072
		3/7/2020 11:50:59PM	2	1265	0.066	0.033
			Avg	1324	0.100	0.053
			Std. Dev	83		
			%RSD	6.27		
29	MB	3/8/2020 12:00:04AM	1	1051	0.000	0.000
		3/8/2020 12:06:59AM	2	1065	0.000	0.000
			Avg	1058	0.000	0.000
			Std. Dev	10		
			%RSD	0.93		
30	LCS	3/8/2020 12:16:41AM	1	186690	121.595	60.797
		3/8/2020 12:23:33AM	2	187217	121.940	60.970
			Avg	186954	121.770	60.884
			Std. Dev	372		
			%RSD	0.20		
31	480-167074-F-2	3/8/2020 12:33:29AM	1	35249	22.339	11.170
		3/8/2020 12:40:26AM	2	35047	22.207	11.104
			Avg	35148	22.270	11.137
			Std. Dev	142		
			%RSD	0.40		
32	480-167074-G-2 MS	3/8/2020 12:49:19AM	1	92939	60.150	30.075
		3/8/2020 12:56:04AM	2	100229	64.928	32.464
			Avg	96584	62.540	31.269
			Std. Dev	5155		
			%RSD	5.34		
33	480-167074-G-2 MSD	3/8/2020 1:05:39AM	1	100789	65.295	32.648
		3/8/2020 1:12:28AM	2	101289	65.622	32.811
			Avg	101039	65.460	32.729
			Std. Dev	353		
			%RSD	0.35		
34	480-167081-A-1	3/8/2020 1:23:14AM	1	3922	1.808	0.904
		3/8/2020 1:29:51AM	2	4001	1.859	0.930
			Avg	3962	1.830	0.917
			Std. Dev	56		
			%RSD	1.40		
35	480-167088-D-1	3/8/2020 1:39:19AM	1	1190490	779.491	389.745
	Re Range	3/8/2020 1:46:24AM	2	1229593	805.119	402.560
			Avg	1210042	792.300	396.153
			Std. Dev	27650		
			%RSD	2.29		

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
36	480-167088-D-2	3/8/2020 1:55:35AM	1	6399	3.431	1.716
		3/8/2020 3:03:34AM	2	6224	3.317	1.658
			Avg	6312	3.370	1.687
			Std. Dev	123		
			%RSD	1.95		
37	480-167108-G-1	3/8/2020 3:13:16AM	1	73369	47.324	23.662
		3/8/2020 3:19:58AM	2	70760	45.613	22.807
			Avg	72065	46.470	23.234
			Std. Dev	1845		
			%RSD	2.56		
38	480-167108-G-2	3/8/2020 3:30:27AM	1	12695	7.558	3.779
		3/8/2020 3:37:08AM	2	11940	7.063	3.531
			Avg	12318	7.310	3.655
			Std. Dev	534		
			%RSD	4.34		
39	CCV	3/8/2020 3:46:39AM	1	191521	124.761	62.381
		3/8/2020 3:53:30AM	2	192405	125.341	62.670
			Avg	191963	125.050	62.526
			Std. Dev	626		
			%RSD	0.33		
40	CCB	3/8/2020 4:02:37AM	1	1215	0.033	0.017
		3/8/2020 4:09:50AM	2	1342	0.117	0.059
			Avg	1279	0.080	0.038
			Std. Dev	90		
			%RSD	7.07		
41	480-167118-F-1	3/8/2020 4:19:16AM	1	2339	0.770	0.385
		3/8/2020 4:25:57AM	2	2470	0.856	0.428
			Avg	2404	0.810	0.406
			Std. Dev	92		
			%RSD	3.84		
42	480-167118-F-2	3/8/2020 4:35:26AM	1	2112	0.621	0.311
		3/8/2020 4:42:12AM	2	2312	0.752	0.376
			Avg	2212	0.690	0.344
			Std. Dev	141		
			%RSD	6.39		
43	480-167118-F-3	3/8/2020 4:51:54AM	1	2085	0.603	0.302
		3/8/2020 4:59:03AM	2	2302	0.746	0.372
			Avg	2193	0.670	0.337
			Std. Dev	154		
			%RSD	7.01		
44	CCV	3/8/2020 5:08:40AM	1	191724	124.894	62.447
		3/8/2020 5:15:24AM	2	192662	125.509	62.754

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	192193	125.200	62.601
			Std. Dev	663		
			%RSD	0.34		
45	CCB	3/8/2020 5:25:10AM	1	1321	0.103	0.051
		3/8/2020 5:31:58AM	2	1365	0.132	0.066
			Avg	1343	0.120	0.058
			Std. Dev	31		
			%RSD	2.33		
46	MB 480-520440/1-A	3/8/2020 5:41:05AM	1	847	0.000	0.000
		3/8/2020 5:47:55AM	2	844	0.000	0.000
			Avg	845	0.000	0.000
			Std. Dev	2		
			%RSD	0.25		
47	LCS 480-520440/2-A	3/8/2020 5:57:41AM	1	179581	116.935	58.468
		3/8/2020 6:04:28AM	2	181145	117.961	58.980
			Avg	180363	117.450	58.724
			Std. Dev	1106		
			%RSD	0.61		
48	480-167120-R-1-A	3/8/2020 6:14:05AM	1	5600	2.907	1.454
		3/8/2020 6:21:27AM	2	5728	2.991	1.496
			Avg	5664	2.950	1.475
			Std. Dev	91		
			%RSD	1.60		
49	480-167120-R-1-B MS	3/8/2020 6:30:34AM	1	80352	51.900	25.950
		3/8/2020 6:37:21AM	2	80269	51.846	25.923
			Avg	80310	51.870	25.937
			Std. Dev	59		
			%RSD	0.07		
50	480-167120-R-1-C MSD	3/8/2020 6:46:58AM	1	77489	50.024	25.012
		3/8/2020 6:53:50AM	2	78711	50.824	25.412
			Avg	78100	50.420	25.212
			Std. Dev	863		
			%RSD	1.11		
51	480-167120-R-2-A	3/8/2020 7:04:02AM	1	6324	3.382	1.691
		3/8/2020 7:11:15AM	2	6487	3.489	1.745
			Avg	6406	3.440	1.718
			Std. Dev	115		
			%RSD	1.80		
52	480-167120-R-3-A	3/8/2020 7:20:58AM	1	6143	3.263	1.632
		3/8/2020 7:27:45AM	2	6200	3.301	1.650
			Avg	6171	3.280	1.641
			Std. Dev	41		
			%RSD	0.66		

User ID:toc Name: Total Organic Carbon
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Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
53	480-167120-R-4-A	3/8/2020 7:36:40AM	1	630	0.000	0.000
		3/8/2020 7:43:28AM	2	661	0.000	0.000
			Avg	645	0.000	0.000
			Std. Dev	22		
			%RSD	3.36		
54	CCV	3/8/2020 7:53:36AM	1	193818	126.267	63.133
		3/8/2020 8:00:28AM	2	191862	124.984	62.492
			Avg	192840	125.630	62.813
			Std. Dev	1383		
			%RSD	0.72		
55	CCB	3/8/2020 8:10:48AM	1	1520	0.233	0.117
		3/8/2020 8:16:25AM	2	1045	0.000	0.000
			Avg	1283	0.120	0.058
			Std. Dev	336		
			%RSD	26.17		
56	LLV	3/8/2020 8:27:20AM	1	3882	1.781	0.891
		3/8/2020 8:34:18AM	2	4051	1.892	0.945
			Avg	3966	1.840	0.918
			Std. Dev	119		
			%RSD	3.01		

ok

PASS

Historical Data Summary Report

For Batch 520775

03/18/2020

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-166996-G-1 ^8	C20-01476 T2 Alkalin	5310C	Total Organic Carbon	Total/NA	mg/L	8	800.0	15000	☐	0 - 46470.557	☐	5920 - 48000
480-167005-C-2	EP	5310C	Total Organic Carbon	Total/NA	mg/L	6	1.0	1.5	☐	0 - 3.723	☐	0.88 - 3.48
480-167005-D-1	RAW	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	2.0	☐	0 - 8.483	☑	2.08 - 9 ok
480-167045-G-1	S-209	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	24.4	☐	16.542 - 27.358	☐	15.2 - 29.88
480-167045-G-2 ^2	S-205	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	2.0	64.9	☐	49.371 - 113.329	☐	47.28 - 114.24
480-167045-G-3	P-3	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	5.1	☐	4.007 - 7.718	☐	4.08 - 8.4
480-167045-G-4	S-204	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	3.2	☐	1.973 - 4.927	☐	2.24 - 5.04
480-167045-G-5 ^2	S-211	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	2.0	93.1	☐	39.759 - 104.191	☐	43.28 - 104.52
480-167045-G-6	GW-1	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	16.5	☐	9.188 - 22.412	☐	10 - 23.28
480-167063-J-1	MW309A	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	3.0	☐	0.862 - 4.738	☐	1.04 - 4.08
480-167063-J-2	MW309B	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	7.4	☑	0 - 4.158	☑	0 - 4.2 Re
480-167074-D-1	Connecticut River	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	2.4	☐	0 - 8.79	☐	1.52 - 7.92
480-167074-F-2	Effluent	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	11	☐	0 - 25.92	☐	2.4 - 20.4
480-167108-G-1	S-203	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	23.2	☐	17.754 - 26.521	☐	15.68 - 29.52
480-167108-G-2	S-210	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	3.7	☐	1.821 - 5.079	☐	2.32 - 5.4

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Batch Number: 520775 Batch Start Date: 03/05/20 16:32 Batch Analyst: Abramo, Charles L

Batch Method: SM 5310C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Res1&2RPD	RPDOK	TOC_A_1000 00004	TOC_CCV 00084
ICV 480-520775/1		SM 5310C		39 mL	40 mL	1 %	TOC Pass	2.4 mL	
ICB 480-520775/2		SM 5310C				26 %	TOC Fail		
CCV 480-520775/27		SM 5310C				0 %	TOC Pass		# mL
CCB 480-520775/28		SM 5310C				74 %	TOC Fail		
MB 480-520775/29		SM 5310C					TOC Pass		
LCS 480-520775/30		SM 5310C				0 %	TOC Pass		
480-167088-D-2	RW-2	SM 5310C	T			3 %	TOC Pass		
CCV 480-520775/39		SM 5310C				0 %	TOC Pass		# mL
CCB 480-520775/40		SM 5310C				111 %	TOC Fail		

Lab Sample ID	Client Sample ID	Method Chain	Basis	TOC_LCS 00083					
ICV 480-520775/1		SM 5310C							
ICB 480-520775/2		SM 5310C							
CCV 480-520775/27		SM 5310C							
CCB 480-520775/28		SM 5310C							
MB 480-520775/29		SM 5310C							
LCS 480-520775/30		SM 5310C		# mL					
480-167088-D-2	RW-2	SM 5310C	T						
CCV 480-520775/39		SM 5310C							
CCB 480-520775/40		SM 5310C							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Batch Number: 520775 Batch Start Date: 03/05/20 16:32 Batch Analyst: Abramo, Charles L

Batch Method: SM 5310C Batch End Date:

Batch Notes	
Acid ID	5510039
Batch Comment	DOC
Combustion Catylyst ID	TIC 5648531
Phosphoric Acid ID	5740437
Pipette/Syringe/Dispenser ID	M 35907 C
Sodium Persulfate ID	5754955

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-167088-1

SDG No.:

Batch Number: 521170 Batch Start Date: 03/11/20 15:38 Batch Analyst: Abramo, Charles L

Batch Method: SM 5310C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Res1&2RPD	RPDOK	TOC_CCV 00084	TOC_LCS 00083		
CCV 480-521170/2		SM 5310C		3 %	TOC Pass	# mL			
CCB 480-521170/3		SM 5310C		112 %	TOC Fail				
MB 480-521170/4		SM 5310C		59 %	TOC Fail				
LCS 480-521170/5		SM 5310C		2 %	TOC Pass		# mL		
480-167088-D-1 ^20	RW-1	SM 5310C	T	5 %	TOC Pass				
CCV 480-521170/13		SM 5310C		3 %	TOC Pass	# mL			
CCB 480-521170/14		SM 5310C		26 %	TOC Fail				

Batch Notes	
Acid ID	5510039
Combustion Catylyst ID	TIC 5648531
Phosphoric Acid ID	5740434
Pipette/Syringe/Dispenser ID	M 35907 C
Sodium Persulfate ID	5754957

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

eurofins | Environment Testing TestAmerica

480-167088 Chain of Custody

Client Information	Sampler: CARL ALONICH	Lab PM: Stone, Judy L	
Client Contact: Jessica Marcy	Phone: 518 470 3052	E-Mail: judy.stone@testamericainc.com	
Company: Aztech Technologies Inc		Analysis	
Address: 5 McCrea Hill Road	Due Date Requested:		
City: Ballston Spa	TAT Requested (days): STANDARD		
State, Zip: NY, 12020			
Phone:	PO #: Call Out 137243		
Email: jmarcy@aztechenv.com	WO #:		
Project Name: Roxy Cleaners #442024	Project #: 48020662		
Site:	SSOW#:		

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	A		
RW-1	3520	1230	G	Water			X		X		
RW-2	3520	1235	G	Water			X		X		
RW-3	3520	1240	G	Water			X				
DUP	3520	1250	G	Water			X				
Effluent	3520	1245	G	Water			X				
Trip Blank	3520		G	Water				X			
				Water							
				Water							
				Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/5/20 1435		Karl Jaehn	3/5/20 1435	~~3/5/20~~ Aztech
2	Karl Jaehn	3/5/20 1700	Courier	Cindy Nicholas	3/6/20 0800	TAL
3						

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: F | 2.4

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-167088-1

Login Number: 167088 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-168180-1
Client Project/Site: Roxy Cleaners #442024

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Jenelle Gaylord

Authorized for release by:
4/10/2020 3:12:37 PM

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-168180-1
Project/Site: Roxy Cleaners #442024

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

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

Glossary

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

Case Narrative

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-168180-1

Job ID: 480-168180-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-168180-1

Receipt
The samples were received on 4/4/2020 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3º C.

GC/MS VOA
Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) associated with batch 480-524779 .The following samples are impacted: RW-1 (480-168180-1), RW-2 (480-168180-2), RW-3 (480-168180-3), EFFLUENT (480-168180-4) and TRIP BLANK (480-168180-5).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-1 (480-168180-1), RW-2 (480-168180-2) and RW-3 (480-168180-3). Elevated reporting limits (RLs) are provided.

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

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

Client: New York State D.E.C.
Job ID: 480-168180-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-168180-1
Date Collected: 04/03/20 13:50
Matrix: Water
Date Received: 04/04/20 18:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			04/08/20 14:03	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			04/08/20 14:03	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			04/08/20 14:03	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			04/08/20 14:03	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			04/08/20 14:03	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			04/08/20 14:03	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			04/08/20 14:03	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			04/08/20 14:03	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			04/08/20 14:03	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			04/08/20 14:03	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			04/08/20 14:03	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			04/08/20 14:03	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			04/08/20 14:03	2
2-Butanone (MEK)	**800**	*	20	2.6	ug/L			04/08/20 14:03	2
2-Hexanone	ND		10	2.5	ug/L			04/08/20 14:03	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			04/08/20 14:03	2
Acetone	**970**		20	6.0	ug/L			04/08/20 14:03	2
Benzene	ND		2.0	0.82	ug/L			04/08/20 14:03	2
Bromodichloromethane	ND		2.0	0.78	ug/L			04/08/20 14:03	2
Bromoform	ND		2.0	0.52	ug/L			04/08/20 14:03	2
Bromomethane	ND		2.0	1.4	ug/L			04/08/20 14:03	2
Carbon disulfide	ND		2.0	0.38	ug/L			04/08/20 14:03	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			04/08/20 14:03	2
Chlorobenzene	ND		2.0	1.5	ug/L			04/08/20 14:03	2
Dibromochloromethane	ND		2.0	0.64	ug/L			04/08/20 14:03	2
Chloroethane	ND		2.0	0.64	ug/L			04/08/20 14:03	2
Chloroform	ND		2.0	0.68	ug/L			04/08/20 14:03	2
Chloromethane	ND		2.0	0.70	ug/L			04/08/20 14:03	2
cis-1,2-Dichloroethene	**1.7**	**J**	2.0	1.6	ug/L			04/08/20 14:03	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			04/08/20 14:03	2
Cyclohexane	ND		2.0	0.36	ug/L			04/08/20 14:03	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			04/08/20 14:03	2
Ethylbenzene	ND		2.0	1.5	ug/L			04/08/20 14:03	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			04/08/20 14:03	2
Isopropylbenzene	ND		2.0	1.6	ug/L			04/08/20 14:03	2
Methyl acetate	ND		5.0	2.6	ug/L			04/08/20 14:03	2
Methyl tert-butyl ether	**3.5**		2.0	0.32	ug/L			04/08/20 14:03	2
Methylcyclohexane	ND		2.0	0.32	ug/L			04/08/20 14:03	2
Methylene Chloride	ND		2.0	0.88	ug/L			04/08/20 14:03	2
Styrene	ND		2.0	1.5	ug/L			04/08/20 14:03	2
Tetrachloroethene	ND		2.0	0.72	ug/L			04/08/20 14:03	2
Toluene	ND		2.0	1.0	ug/L			04/08/20 14:03	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			04/08/20 14:03	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			04/08/20 14:03	2
Trichloroethene	ND		2.0	0.92	ug/L			04/08/20 14:03	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			04/08/20 14:03	2
Vinyl chloride	ND		2.0	1.8	ug/L			04/08/20 14:03	2
Xylenes, Total	ND		4.0	1.3	ug/L			04/08/20 14:03	2

Client: New York State D.E.C.
Job ID: 480-168180-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-168180-1
Date Collected: 04/03/20 13:50
Matrix: Water
Date Received: 04/04/20 18:49

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/08/20 14:03*	*2*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*04/08/20 14:03*	*2*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*04/08/20 14:03*	*2*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*04/08/20 14:03*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**47.0**		1.0	0.43	mg/L			04/08/20 22:05	1

Client Sample ID: RW-2
Lab Sample ID: 480-168180-2
Date Collected: 04/03/20 13:45
Matrix: Water
Date Received: 04/04/20 18:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			04/08/20 14:27	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			04/08/20 14:27	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			04/08/20 14:27	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			04/08/20 14:27	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			04/08/20 14:27	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			04/08/20 14:27	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			04/08/20 14:27	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			04/08/20 14:27	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			04/08/20 14:27	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			04/08/20 14:27	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			04/08/20 14:27	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			04/08/20 14:27	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			04/08/20 14:27	2
2-Butanone (MEK)	ND	*	20	2.6	ug/L			04/08/20 14:27	2
2-Hexanone	ND		10	2.5	ug/L			04/08/20 14:27	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			04/08/20 14:27	2
Acetone	ND		20	6.0	ug/L			04/08/20 14:27	2
Benzene	ND		2.0	0.82	ug/L			04/08/20 14:27	2
Bromodichloromethane	ND		2.0	0.78	ug/L			04/08/20 14:27	2
Bromoform	ND		2.0	0.52	ug/L			04/08/20 14:27	2
Bromomethane	ND		2.0	1.4	ug/L			04/08/20 14:27	2
Carbon disulfide	ND		2.0	0.38	ug/L			04/08/20 14:27	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			04/08/20 14:27	2
Chlorobenzene	ND		2.0	1.5	ug/L			04/08/20 14:27	2
Dibromochloromethane	ND		2.0	0.64	ug/L			04/08/20 14:27	2
Chloroethane	ND		2.0	0.64	ug/L			04/08/20 14:27	2
Chloroform	**0.77**	**J**	2.0	0.68	ug/L			04/08/20 14:27	2
Chloromethane	ND		2.0	0.70	ug/L			04/08/20 14:27	2
cis-1,2-Dichloroethene	**14**		2.0	1.6	ug/L			04/08/20 14:27	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			04/08/20 14:27	2
Cyclohexane	ND		2.0	0.36	ug/L			04/08/20 14:27	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			04/08/20 14:27	2
Ethylbenzene	ND		2.0	1.5	ug/L			04/08/20 14:27	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			04/08/20 14:27	2
Isopropylbenzene	ND		2.0	1.6	ug/L			04/08/20 14:27	2
Methyl acetate	ND		5.0	2.6	ug/L			04/08/20 14:27	2

Client: New York State D.E.C.
Job ID: 480-168180-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-2
Lab Sample ID: 480-168180-2
Date Collected: 04/03/20 13:45
Matrix: Water
Date Received: 04/04/20 18:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			04/08/20 14:27	2
Methylcyclohexane	ND		2.0	0.32	ug/L			04/08/20 14:27	2
Methylene Chloride	ND		2.0	0.88	ug/L			04/08/20 14:27	2
Styrene	ND		2.0	1.5	ug/L			04/08/20 14:27	2
Tetrachloroethene	**83**		2.0	0.72	ug/L			04/08/20 14:27	2
Toluene	ND		2.0	1.0	ug/L			04/08/20 14:27	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			04/08/20 14:27	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			04/08/20 14:27	2
Trichloroethene	**4.0**		2.0	0.92	ug/L			04/08/20 14:27	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			04/08/20 14:27	2
Vinyl chloride	ND		2.0	1.8	ug/L			04/08/20 14:27	2
Xylenes, Total	ND		4.0	1.3	ug/L			04/08/20 14:27	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/08/20 14:27*	*2*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*04/08/20 14:27*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/08/20 14:27*	*2*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/08/20 14:27*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**0.76**	**J**	1.0	0.43	mg/L			04/08/20 22:51	1

Client Sample ID: RW-3
Lab Sample ID: 480-168180-3
Date Collected: 04/03/20 13:40
Matrix: Water
Date Received: 04/04/20 18:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			04/08/20 14:51	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			04/08/20 14:51	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			04/08/20 14:51	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			04/08/20 14:51	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			04/08/20 14:51	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			04/08/20 14:51	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			04/08/20 14:51	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			04/08/20 14:51	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			04/08/20 14:51	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			04/08/20 14:51	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			04/08/20 14:51	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			04/08/20 14:51	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			04/08/20 14:51	4
2-Butanone (MEK)	ND	*	40	5.3	ug/L			04/08/20 14:51	4
2-Hexanone	ND		20	5.0	ug/L			04/08/20 14:51	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			04/08/20 14:51	4
Acetone	ND		40	12	ug/L			04/08/20 14:51	4
Benzene	ND		4.0	1.6	ug/L			04/08/20 14:51	4
Bromodichloromethane	ND		4.0	1.6	ug/L			04/08/20 14:51	4
Bromoform	ND		4.0	1.0	ug/L			04/08/20 14:51	4
Bromomethane	ND		4.0	2.8	ug/L			04/08/20 14:51	4

Client Sample ID: RW-3

Lab Sample ID: 480-168180-3

Date Collected: 04/03/20 13:40

Matrix: Water

Date Received: 04/04/20 18:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			04/08/20 14:51	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			04/08/20 14:51	4
Chlorobenzene	ND		4.0	3.0	ug/L			04/08/20 14:51	4
Dibromochloromethane	ND		4.0	1.3	ug/L			04/08/20 14:51	4
Chloroethane	ND		4.0	1.3	ug/L			04/08/20 14:51	4
Chloroform	ND		4.0	1.4	ug/L			04/08/20 14:51	4
Chloromethane	ND		4.0	1.4	ug/L			04/08/20 14:51	4
cis-1,2-Dichloroethene	**5.5**		4.0	3.2	ug/L			04/08/20 14:51	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			04/08/20 14:51	4
Cyclohexane	ND		4.0	0.72	ug/L			04/08/20 14:51	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			04/08/20 14:51	4
Ethylbenzene	ND		4.0	3.0	ug/L			04/08/20 14:51	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			04/08/20 14:51	4
Isopropylbenzene	ND		4.0	3.2	ug/L			04/08/20 14:51	4
Methyl acetate	ND		10	5.2	ug/L			04/08/20 14:51	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			04/08/20 14:51	4
Methylcyclohexane	ND		4.0	0.64	ug/L			04/08/20 14:51	4
Methylene Chloride	ND		4.0	1.8	ug/L			04/08/20 14:51	4
Styrene	ND		4.0	2.9	ug/L			04/08/20 14:51	4
Tetrachloroethene	**190**		4.0	1.4	ug/L			04/08/20 14:51	4
Toluene	ND		4.0	2.0	ug/L			04/08/20 14:51	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			04/08/20 14:51	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			04/08/20 14:51	4
Trichloroethene	**2.1**	**J**	4.0	1.8	ug/L			04/08/20 14:51	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			04/08/20 14:51	4
Vinyl chloride	ND		4.0	3.6	ug/L			04/08/20 14:51	4
Xylenes, Total	ND		8.0	2.6	ug/L			04/08/20 14:51	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/08/20 14:51*	*4*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*04/08/20 14:51*	*4*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/08/20 14:51*	*4*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/08/20 14:51*	*4*

Client Sample ID: EFFLUENT

Lab Sample ID: 480-168180-4

Date Collected: 04/03/20 13:30

Matrix: Water

Date Received: 04/04/20 18:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/08/20 15:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/08/20 15:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/08/20 15:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/08/20 15:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/08/20 15:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/20 15:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/08/20 15:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/08/20 15:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/08/20 15:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/08/20 15:16	1

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-168180-1

Client Sample ID: EFFLUENT
Date Collected: 04/03/20 13:30
Date Received: 04/04/20 18:49

Lab Sample ID: 480-168180-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/08/20 15:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/08/20 15:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/08/20 15:16	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			04/08/20 15:16	1
2-Hexanone	ND		5.0	1.2	ug/L			04/08/20 15:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/08/20 15:16	1
Acetone	ND		10	3.0	ug/L			04/08/20 15:16	1
Benzene	ND		1.0	0.41	ug/L			04/08/20 15:16	1
Bromodichloromethane	**1.6**		1.0	0.39	ug/L			04/08/20 15:16	1
Bromoform	**0.49**	**J**	1.0	0.26	ug/L			04/08/20 15:16	1
Bromomethane	ND		1.0	0.69	ug/L			04/08/20 15:16	1
Carbon disulfide	**0.46**	**J**	1.0	0.19	ug/L			04/08/20 15:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/08/20 15:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/08/20 15:16	1
Dibromochloromethane	**0.94**	**J**	1.0	0.32	ug/L			04/08/20 15:16	1
Chloroethane	ND		1.0	0.32	ug/L			04/08/20 15:16	1
Chloroform	**2.7**		1.0	0.34	ug/L			04/08/20 15:16	1
Chloromethane	ND		1.0	0.35	ug/L			04/08/20 15:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/08/20 15:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/08/20 15:16	1
Cyclohexane	ND		1.0	0.18	ug/L			04/08/20 15:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/08/20 15:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/08/20 15:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/08/20 15:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/08/20 15:16	1
Methyl acetate	ND		2.5	1.3	ug/L			04/08/20 15:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/08/20 15:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/08/20 15:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/08/20 15:16	1
Styrene	ND		1.0	0.73	ug/L			04/08/20 15:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/08/20 15:16	1
Toluene	ND		1.0	0.51	ug/L			04/08/20 15:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/20 15:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/08/20 15:16	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/20 15:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/08/20 15:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/08/20 15:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/08/20 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/08/20 15:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*04/08/20 15:16*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/08/20 15:16*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/08/20 15:16*	*1*

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-168180-1

Client Sample ID: TRIP BLANK

Date Collected: 04/03/20 00:00
Date Received: 04/04/20 18:49

Lab Sample ID: 480-168180-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/08/20 15:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/08/20 15:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/08/20 15:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/08/20 15:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/08/20 15:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/08/20 15:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/08/20 15:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/08/20 15:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/08/20 15:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/08/20 15:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/08/20 15:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/08/20 15:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/08/20 15:40	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			04/08/20 15:40	1
2-Hexanone	ND		5.0	1.2	ug/L			04/08/20 15:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/08/20 15:40	1
Acetone	ND		10	3.0	ug/L			04/08/20 15:40	1
Benzene	ND		1.0	0.41	ug/L			04/08/20 15:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/08/20 15:40	1
Bromoform	ND		1.0	0.26	ug/L			04/08/20 15:40	1
Bromomethane	ND		1.0	0.69	ug/L			04/08/20 15:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/08/20 15:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/08/20 15:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/08/20 15:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/08/20 15:40	1
Chloroethane	ND		1.0	0.32	ug/L			04/08/20 15:40	1
Chloroform	ND		1.0	0.34	ug/L			04/08/20 15:40	1
Chloromethane	ND		1.0	0.35	ug/L			04/08/20 15:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/08/20 15:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/08/20 15:40	1
Cyclohexane	ND		1.0	0.18	ug/L			04/08/20 15:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/08/20 15:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/08/20 15:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/08/20 15:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/08/20 15:40	1
Methyl acetate	ND		2.5	1.3	ug/L			04/08/20 15:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/08/20 15:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/08/20 15:40	1
Methylene Chloride	**0.47**	**J**	1.0	0.44	ug/L			04/08/20 15:40	1
Styrene	ND		1.0	0.73	ug/L			04/08/20 15:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/08/20 15:40	1
Toluene	ND		1.0	0.51	ug/L			04/08/20 15:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/08/20 15:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/08/20 15:40	1
Trichloroethene	ND		1.0	0.46	ug/L			04/08/20 15:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/08/20 15:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/08/20 15:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/08/20 15:40	1

Client: New York State D.E.C.
Job ID: 480-168180-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-168180-5
Date Collected: 04/03/20 00:00
Matrix: Water
Date Received: 04/04/20 18:49

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		04/08/20 15:40	1
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		04/08/20 15:40	1
4-Bromofluorobenzene (Surr)	96		73 - 120		04/08/20 15:40	1
Dibromofluoromethane (Surr)	99		75 - 123		04/08/20 15:40	1

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-168180-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-168180-1
Date Collected: 04/03/20 13:50
Matrix: Water
Date Received: 04/04/20 18:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	524779	04/08/20 14:03	LCH	TAL BUF
Total/NA	Analysis	SM 5310C		1	525155	04/08/20 22:05	CLA	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-168180-2
Date Collected: 04/03/20 13:45
Matrix: Water
Date Received: 04/04/20 18:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	524779	04/08/20 14:27	LCH	TAL BUF
Total/NA	Analysis	SM 5310C		1	525155	04/08/20 22:51	CLA	TAL BUF

Client Sample ID: RW-3
Lab Sample ID: 480-168180-3
Date Collected: 04/03/20 13:40
Matrix: Water
Date Received: 04/04/20 18:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	524779	04/08/20 14:51	LCH	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-168180-4
Date Collected: 04/03/20 13:30
Matrix: Water
Date Received: 04/04/20 18:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	524779	04/08/20 15:16	LCH	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-168180-5
Date Collected: 04/03/20 00:00
Matrix: Water
Date Received: 04/04/20 18:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	524779	04/08/20 15:40	LCH	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-168180-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-168180-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-168180-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-168180-1	RW-1	Water	04/03/20 13:50	04/04/20 18:49	
480-168180-2	RW-2	Water	04/03/20 13:45	04/04/20 18:49	
480-168180-3	RW-3	Water	04/03/20 13:40	04/04/20 18:49	
480-168180-4	EFFLUENT	Water	04/03/20 13:30	04/04/20 18:49	
480-168180-5	TRIP BLANK	Water	04/03/20 00:00	04/04/20 18:49	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-168180-1

Login Number: 168180

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	aztech
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Eurofins TestAmerica, Buffalo Albany #224
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Andrew Talbot / Austin Armbruster	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-133578-30092.1
Client Contact: Jessica Marcy	Phone: 518-885-5383	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days): Standard			
State, Zip: NY, 12020				
Phone:	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3

480-168180 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Number	Special Instructions/Note:
			Preservation Code:				A	A	A		
RW-1	4/3/20	1350	G	Water	N	N	X	X	X		
RW-2		1345	G	Water	N	N	X	X	X		
RW-3		1340	G	Water	N	N	X				
~~DUP~~				Water							
Effluent		1330	G	Water	N	N	X				
Trip Blank		—	G	Water	N	N		X			
				Water							
				Water							
				Water							

(A1)

Page 17 of 17 — Other listed on separate COC

4/10/2020

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
	4/3/20 14:00	Aztech		4/3/20 1400	Eurofins
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
	4/3/20 1700	Eurofins		4/4/20 0800	TAS
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.5

Ver: 01/16/2019

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-169703-1
Client Project/Site: Roxy Cleaners #442024

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Jenelle Gaylord

Joseph V. Giacomazza

Authorized for release by:
5/21/2020 10:30:09 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

LINKS

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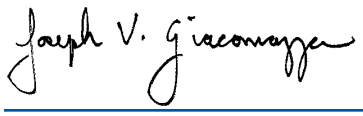
This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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



Joe Giacomazza
Project Management Assistant II
5/21/2020 10:30:09 AM

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Client: New York State D.E.C.
Job ID: 480-169703-1
Project/Site: Roxy Cleaners #442024

Qualifiers

GC/MS VOA

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

General Chemistry

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

Glossary

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

Job ID: 480-169703-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-169703-1

Comments
No additional comments.

Receipt
The samples were received on 5/9/2020 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: RW-3 (480-169703-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: RW-1 (480-169703-1). Elevated reporting limits (RLs) are provided.

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

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

Client: New York State D.E.C.
Job ID: 480-169703-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-169703-1
Date Collected: 05/08/20 13:15
Matrix: Water
Date Received: 05/09/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			05/11/20 02:18	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			05/11/20 02:18	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			05/11/20 02:18	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			05/11/20 02:18	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			05/11/20 02:18	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			05/11/20 02:18	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			05/11/20 02:18	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			05/11/20 02:18	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			05/11/20 02:18	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			05/11/20 02:18	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			05/11/20 02:18	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			05/11/20 02:18	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			05/11/20 02:18	2
2-Butanone (MEK)	**210**		20	2.6	ug/L			05/11/20 02:18	2
2-Hexanone	ND		10	2.5	ug/L			05/11/20 02:18	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			05/11/20 02:18	2
Acetone	**210**		20	6.0	ug/L			05/11/20 02:18	2
Benzene	ND		2.0	0.82	ug/L			05/11/20 02:18	2
Bromodichloromethane	ND		2.0	0.78	ug/L			05/11/20 02:18	2
Bromoform	ND		2.0	0.52	ug/L			05/11/20 02:18	2
Bromomethane	ND		2.0	1.4	ug/L			05/11/20 02:18	2
Carbon disulfide	ND		2.0	0.38	ug/L			05/11/20 02:18	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			05/11/20 02:18	2
Chlorobenzene	ND		2.0	1.5	ug/L			05/11/20 02:18	2
Dibromochloromethane	ND		2.0	0.64	ug/L			05/11/20 02:18	2
Chloroethane	ND		2.0	0.64	ug/L			05/11/20 02:18	2
Chloroform	ND		2.0	0.68	ug/L			05/11/20 02:18	2
Chloromethane	ND		2.0	0.70	ug/L			05/11/20 02:18	2
cis-1,2-Dichloroethene	**9.6**		2.0	1.6	ug/L			05/11/20 02:18	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			05/11/20 02:18	2
Cyclohexane	ND		2.0	0.36	ug/L			05/11/20 02:18	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			05/11/20 02:18	2
Ethylbenzene	ND		2.0	1.5	ug/L			05/11/20 02:18	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			05/11/20 02:18	2
Isopropylbenzene	ND		2.0	1.6	ug/L			05/11/20 02:18	2
Methyl acetate	ND		5.0	2.6	ug/L			05/11/20 02:18	2
Methyl tert-butyl ether	**1.6**	**J**	2.0	0.32	ug/L			05/11/20 02:18	2
Methylcyclohexane	ND		2.0	0.32	ug/L			05/11/20 02:18	2
Methylene Chloride	ND		2.0	0.88	ug/L			05/11/20 02:18	2
Styrene	ND		2.0	1.5	ug/L			05/11/20 02:18	2
Tetrachloroethene	ND		2.0	0.72	ug/L			05/11/20 02:18	2
Toluene	ND		2.0	1.0	ug/L			05/11/20 02:18	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			05/11/20 02:18	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			05/11/20 02:18	2
Trichloroethene	**3.8**		2.0	0.92	ug/L			05/11/20 02:18	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			05/11/20 02:18	2
Vinyl chloride	**4.3**		2.0	1.8	ug/L			05/11/20 02:18	2
Xylenes, Total	ND		4.0	1.3	ug/L			05/11/20 02:18	2

Client: New York State D.E.C.
Job ID: 480-169703-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-169703-1
Date Collected: 05/08/20 13:15
Matrix: Water
Date Received: 05/09/20 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/11/20 02:18*	*2*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/11/20 02:18*	*2*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*05/11/20 02:18*	*2*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/11/20 02:18*	*2*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**9.4**		1.0	0.43	mg/L			05/11/20 19:02	1

Client Sample ID: RW-2
Lab Sample ID: 480-169703-2
Date Collected: 05/08/20 13:10
Matrix: Water
Date Received: 05/09/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/11/20 10:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/20 10:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/20 10:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/20 10:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/20 10:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/20 10:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/11/20 10:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/20 10:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/20 10:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/11/20 10:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/20 10:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/20 10:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/20 10:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/20 10:39	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/20 10:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/20 10:39	1
Acetone	ND		10	3.0	ug/L			05/11/20 10:39	1
Benzene	ND		1.0	0.41	ug/L			05/11/20 10:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/11/20 10:39	1
Bromoform	ND		1.0	0.26	ug/L			05/11/20 10:39	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/20 10:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/20 10:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/20 10:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/20 10:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/11/20 10:39	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/20 10:39	1
Chloroform	**0.53**	**J**	1.0	0.34	ug/L			05/11/20 10:39	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/20 10:39	1
cis-1,2-Dichloroethene	**10**		1.0	0.81	ug/L			05/11/20 10:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/20 10:39	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/20 10:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/20 10:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/20 10:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/20 10:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/20 10:39	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/20 10:39	1

Client: New York State D.E.C.
Job ID: 480-169703-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-2
Lab Sample ID: 480-169703-2
Date Collected: 05/08/20 13:10
Matrix: Water
Date Received: 05/09/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/11/20 10:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/20 10:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/20 10:39	1
Styrene	ND		1.0	0.73	ug/L			05/11/20 10:39	1
Tetrachloroethene	**60**		1.0	0.36	ug/L			05/11/20 10:39	1
Toluene	ND		1.0	0.51	ug/L			05/11/20 10:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/20 10:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/20 10:39	1
Trichloroethene	**3.6**		1.0	0.46	ug/L			05/11/20 10:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/20 10:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/20 10:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/20 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/11/20 10:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*05/11/20 10:39*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*05/11/20 10:39*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/11/20 10:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**0.98**	**J**	1.0	0.43	mg/L			05/11/20 19:17	1

Client Sample ID: RW-3
Lab Sample ID: 480-169703-3
Date Collected: 05/08/20 13:05
Matrix: Water
Date Received: 05/09/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			05/11/20 03:04	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			05/11/20 03:04	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			05/11/20 03:04	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			05/11/20 03:04	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			05/11/20 03:04	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			05/11/20 03:04	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			05/11/20 03:04	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			05/11/20 03:04	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			05/11/20 03:04	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			05/11/20 03:04	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			05/11/20 03:04	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			05/11/20 03:04	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			05/11/20 03:04	4
2-Butanone (MEK)	ND		40	5.3	ug/L			05/11/20 03:04	4
2-Hexanone	ND		20	5.0	ug/L			05/11/20 03:04	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			05/11/20 03:04	4
Acetone	ND		40	12	ug/L			05/11/20 03:04	4
Benzene	ND		4.0	1.6	ug/L			05/11/20 03:04	4
Bromodichloromethane	ND		4.0	1.6	ug/L			05/11/20 03:04	4
Bromoform	ND		4.0	1.0	ug/L			05/11/20 03:04	4
Bromomethane	ND		4.0	2.8	ug/L			05/11/20 03:04	4

Client: New York State D.E.C.
Job ID: 480-169703-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-3
Lab Sample ID: 480-169703-3
Date Collected: 05/08/20 13:05
Matrix: Water
Date Received: 05/09/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			05/11/20 03:04	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			05/11/20 03:04	4
Chlorobenzene	ND		4.0	3.0	ug/L			05/11/20 03:04	4
Dibromochloromethane	ND		4.0	1.3	ug/L			05/11/20 03:04	4
Chloroethane	ND		4.0	1.3	ug/L			05/11/20 03:04	4
Chloroform	ND		4.0	1.4	ug/L			05/11/20 03:04	4
Chloromethane	ND		4.0	1.4	ug/L			05/11/20 03:04	4
cis-1,2-Dichloroethene	**6.5**		4.0	3.2	ug/L			05/11/20 03:04	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			05/11/20 03:04	4
Cyclohexane	ND		4.0	0.72	ug/L			05/11/20 03:04	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			05/11/20 03:04	4
Ethylbenzene	ND		4.0	3.0	ug/L			05/11/20 03:04	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			05/11/20 03:04	4
Isopropylbenzene	ND		4.0	3.2	ug/L			05/11/20 03:04	4
Methyl acetate	ND		10	5.2	ug/L			05/11/20 03:04	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			05/11/20 03:04	4
Methylcyclohexane	ND		4.0	0.64	ug/L			05/11/20 03:04	4
Methylene Chloride	ND		4.0	1.8	ug/L			05/11/20 03:04	4
Styrene	ND		4.0	2.9	ug/L			05/11/20 03:04	4
Tetrachloroethene	**180**		4.0	1.4	ug/L			05/11/20 03:04	4
Toluene	ND		4.0	2.0	ug/L			05/11/20 03:04	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			05/11/20 03:04	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			05/11/20 03:04	4
Trichloroethene	**2.8**	**J**	4.0	1.8	ug/L			05/11/20 03:04	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			05/11/20 03:04	4
Vinyl chloride	ND		4.0	3.6	ug/L			05/11/20 03:04	4
Xylenes, Total	ND		8.0	2.6	ug/L			05/11/20 03:04	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/11/20 03:04*	*4*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/11/20 03:04*	*4*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/11/20 03:04*	*4*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/11/20 03:04*	*4*

Client Sample ID: DUP
Lab Sample ID: 480-169703-4
Date Collected: 05/08/20 13:20
Matrix: Water
Date Received: 05/09/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/11/20 11:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/20 11:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/20 11:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/20 11:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/20 11:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/20 11:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/11/20 11:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/20 11:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/20 11:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/11/20 11:25	1

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-169703-1

Client Sample ID: DUP
Date Collected: 05/08/20 13:20
Date Received: 05/09/20 08:00

Lab Sample ID: 480-169703-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/20 11:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/20 11:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/20 11:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/20 11:25	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/20 11:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/20 11:25	1
Acetone	ND		10	3.0	ug/L			05/11/20 11:25	1
Benzene	ND		1.0	0.41	ug/L			05/11/20 11:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/11/20 11:25	1
Bromoform	ND		1.0	0.26	ug/L			05/11/20 11:25	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/20 11:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/20 11:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/20 11:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/20 11:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/11/20 11:25	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/20 11:25	1
Chloroform	**0.65**	**J**	1.0	0.34	ug/L			05/11/20 11:25	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/20 11:25	1
cis-1,2-Dichloroethene	**9.4**		1.0	0.81	ug/L			05/11/20 11:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/20 11:25	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/20 11:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/20 11:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/20 11:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/20 11:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/20 11:25	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/20 11:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/11/20 11:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/20 11:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/20 11:25	1
Styrene	ND		1.0	0.73	ug/L			05/11/20 11:25	1
Tetrachloroethene	**60**		1.0	0.36	ug/L			05/11/20 11:25	1
Toluene	ND		1.0	0.51	ug/L			05/11/20 11:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/20 11:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/20 11:25	1
Trichloroethene	**3.4**		1.0	0.46	ug/L			05/11/20 11:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/20 11:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/20 11:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/20 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/11/20 11:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*05/11/20 11:25*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*05/11/20 11:25*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/11/20 11:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**0.81**	**J**	1.0	0.43	mg/L			05/11/20 19:33	1

Client: New York State D.E.C.
Job ID: 480-169703-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: EFFLUENT
Lab Sample ID: 480-169703-5
Date Collected: 05/08/20 13:00
Matrix: Water
Date Received: 05/09/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/11/20 03:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/20 03:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/20 03:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/20 03:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/20 03:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/20 03:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/11/20 03:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/20 03:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/20 03:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/11/20 03:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/20 03:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/20 03:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/20 03:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/20 03:50	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/20 03:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/20 03:50	1
Acetone	ND		10	3.0	ug/L			05/11/20 03:50	1
Benzene	ND		1.0	0.41	ug/L			05/11/20 03:50	1
Bromodichloromethane	**0.52**	**J**	1.0	0.39	ug/L			05/11/20 03:50	1
Bromoform	ND		1.0	0.26	ug/L			05/11/20 03:50	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/20 03:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/20 03:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/20 03:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/20 03:50	1
Dibromochloromethane	**0.51**	**J**	1.0	0.32	ug/L			05/11/20 03:50	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/20 03:50	1
Chloroform	**0.87**	**J**	1.0	0.34	ug/L			05/11/20 03:50	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/20 03:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/11/20 03:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/20 03:50	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/20 03:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/20 03:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/20 03:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/20 03:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/20 03:50	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/20 03:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/11/20 03:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/20 03:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/20 03:50	1
Styrene	ND		1.0	0.73	ug/L			05/11/20 03:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/11/20 03:50	1
Toluene	ND		1.0	0.51	ug/L			05/11/20 03:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/20 03:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/20 03:50	1
Trichloroethene	ND		1.0	0.46	ug/L			05/11/20 03:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/20 03:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/20 03:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/20 03:50	1

Client: New York State D.E.C.
Job ID: 480-169703-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: EFFLUENT
Lab Sample ID: 480-169703-5

Date Collected: 05/08/20 13:00
Matrix: Water
Date Received: 05/09/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/11/20 03:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/11/20 03:50*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/11/20 03:50*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*05/11/20 03:50*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-169703-6

Date Collected: 05/08/20 00:00
Matrix: Water
Date Received: 05/09/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/11/20 04:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/20 04:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/20 04:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/20 04:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/20 04:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/20 04:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/11/20 04:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/20 04:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/20 04:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/11/20 04:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/20 04:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/20 04:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/20 04:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/20 04:14	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/20 04:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/20 04:14	1
Acetone	ND		10	3.0	ug/L			05/11/20 04:14	1
Benzene	ND		1.0	0.41	ug/L			05/11/20 04:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/11/20 04:14	1
Bromoform	ND		1.0	0.26	ug/L			05/11/20 04:14	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/20 04:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/20 04:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/20 04:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/20 04:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/11/20 04:14	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/20 04:14	1
Chloroform	ND		1.0	0.34	ug/L			05/11/20 04:14	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/20 04:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/11/20 04:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/20 04:14	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/20 04:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/20 04:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/20 04:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/20 04:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/20 04:14	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/20 04:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/11/20 04:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/20 04:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/20 04:14	1

Client: New York State D.E.C.
Job ID: 480-169703-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-169703-6
Date Collected: 05/08/20 00:00
Matrix: Water
Date Received: 05/09/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			05/11/20 04:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/11/20 04:14	1
Toluene	ND		1.0	0.51	ug/L			05/11/20 04:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/20 04:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/20 04:14	1
Trichloroethene	ND		1.0	0.46	ug/L			05/11/20 04:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/20 04:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/20 04:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/20 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/11/20 04:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*05/11/20 04:14*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*05/11/20 04:14*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/11/20 04:14*	*1*

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-169703-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-169703-1
Date Collected: 05/08/20 13:15
Matrix: Water
Date Received: 05/09/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	530804	05/11/20 02:18	AMM	TAL BUF
Total/NA	Analysis	SM 5310C		1	531166	05/11/20 19:02	RJS	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-169703-2
Date Collected: 05/08/20 13:10
Matrix: Water
Date Received: 05/09/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	530844	05/11/20 10:39	AMM	TAL BUF
Total/NA	Analysis	SM 5310C		1	531166	05/11/20 19:17	RJS	TAL BUF

Client Sample ID: RW-3
Lab Sample ID: 480-169703-3
Date Collected: 05/08/20 13:05
Matrix: Water
Date Received: 05/09/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	530804	05/11/20 03:04	AMM	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-169703-4
Date Collected: 05/08/20 13:20
Matrix: Water
Date Received: 05/09/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	530844	05/11/20 11:25	AMM	TAL BUF
Total/NA	Analysis	SM 5310C		1	531166	05/11/20 19:33	RJS	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-169703-5
Date Collected: 05/08/20 13:00
Matrix: Water
Date Received: 05/09/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	530804	05/11/20 03:50	AMM	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-169703-6
Date Collected: 05/08/20 00:00
Matrix: Water
Date Received: 05/09/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	530804	05/11/20 04:14	AMM	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-169703-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-169703-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-169703-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-169703-1	RW-1	Water	05/08/20 13:15	05/09/20 08:00	
480-169703-2	RW-2	Water	05/08/20 13:10	05/09/20 08:00	
480-169703-3	RW-3	Water	05/08/20 13:05	05/09/20 08:00	
480-169703-4	DUP	Water	05/08/20 13:20	05/09/20 08:00	
480-169703-5	EFFLUENT	Water	05/08/20 13:00	05/09/20 08:00	
480-169703-6	TRIP BLANK	Water	05/08/20 00:00	05/09/20 08:00	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-169703-1

Login Number: 169703

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Andrew Talbot + Austin Drabicki	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-145903-30092.1
Client Contact: Jessica Marcy	Phone: 518-770-0411	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days): standard			
State, Zip: NY, 12020				
Phone: 518-885-5383	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	A		
RW-1	5/8/20	13:15	G	Water			X		X		
RW-2		13:10	G	Water			X		X		
RW-3		13:05	G	Water			X				
DUP		13:20	G	Water			X		X		
Effluent		13:00	G	Water			X				
Trip Blank		—	—	Water				X			
				Water							
				Water							
				Water							

480-169703 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5/8/20 13:30	Aztech	Karl Zoder	5/8/20 1445	Eurofin
2	Karl Zoder	5/8/20 1700	Eurofin			
3					5/9/20 0800	TAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.6 #1

Ver: 01/16/2019

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-171172-1
Client Project/Site: Roxy Cleaners #442024

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Jenelle Gaylord

Joseph V. Giacomazza

Authorized for release by:
6/24/2020 10:04:51 AM
Joe Giacomazza, Project Manager I
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

LINKS

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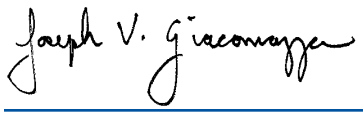
This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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



Joe Giacomazza
Project Manager I
6/24/2020 10:04:51 AM

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-171172-1
Project/Site: Roxy Cleaners #442024

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-171172-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-171172-1

Comments
No additional comments.

Receipt
The samples were received on 6/13/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) for analytical batch 480-536398 recovered outside control limits for the following analyte: Acetone. This analyte was biased high in the LCS and was below the reporting limit (RL) and/or not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: RW-3 (480-171172-3), DUP (480-171172-4), EFFLUENT (480-171172-5) and TRIP BLANK (480-171172-6).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-536398 recovered above the upper control limit for Acetone. The samples associated with this CCV were below the reporting limit (RL) and/or non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: RW-3 (480-171172-3), DUP (480-171172-4), EFFLUENT (480-171172-5) and TRIP BLANK (480-171172-6).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-3 (480-171172-3) and DUP (480-171172-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: RW-1 (480-171172-1). Elevated reporting limits (RLs) are provided.

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

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

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-171172-1

Client Sample ID: RW-1
Date Collected: 06/12/20 13:02
Date Received: 06/13/20 08:00

Lab Sample ID: 480-171172-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			06/17/20 11:36	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			06/17/20 11:36	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			06/17/20 11:36	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			06/17/20 11:36	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			06/17/20 11:36	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			06/17/20 11:36	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			06/17/20 11:36	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			06/17/20 11:36	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			06/17/20 11:36	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			06/17/20 11:36	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			06/17/20 11:36	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			06/17/20 11:36	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			06/17/20 11:36	5
2-Butanone (MEK)	**850**		50	6.6	ug/L			06/17/20 11:36	5
2-Hexanone	ND		25	6.2	ug/L			06/17/20 11:36	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			06/17/20 11:36	5
Acetone	**980**		50	15	ug/L			06/17/20 11:36	5
Benzene	ND		5.0	2.1	ug/L			06/17/20 11:36	5
Bromodichloromethane	ND		5.0	2.0	ug/L			06/17/20 11:36	5
Bromoform	ND		5.0	1.3	ug/L			06/17/20 11:36	5
Bromomethane	ND		5.0	3.5	ug/L			06/17/20 11:36	5
Carbon disulfide	ND		5.0	0.95	ug/L			06/17/20 11:36	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			06/17/20 11:36	5
Chlorobenzene	ND		5.0	3.8	ug/L			06/17/20 11:36	5
Dibromochloromethane	ND		5.0	1.6	ug/L			06/17/20 11:36	5
Chloroethane	ND		5.0	1.6	ug/L			06/17/20 11:36	5
Chloroform	ND		5.0	1.7	ug/L			06/17/20 11:36	5
Chloromethane	ND		5.0	1.8	ug/L			06/17/20 11:36	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			06/17/20 11:36	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			06/17/20 11:36	5
Cyclohexane	ND		5.0	0.90	ug/L			06/17/20 11:36	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			06/17/20 11:36	5
Ethylbenzene	ND		5.0	3.7	ug/L			06/17/20 11:36	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			06/17/20 11:36	5
Isopropylbenzene	ND		5.0	4.0	ug/L			06/17/20 11:36	5
Methyl acetate	ND		13	6.5	ug/L			06/17/20 11:36	5
Methyl tert-butyl ether	**3.5**	**J**	5.0	0.80	ug/L			06/17/20 11:36	5
Methylcyclohexane	ND		5.0	0.80	ug/L			06/17/20 11:36	5
Methylene Chloride	ND		5.0	2.2	ug/L			06/17/20 11:36	5
Styrene	ND		5.0	3.7	ug/L			06/17/20 11:36	5
Tetrachloroethene	ND		5.0	1.8	ug/L			06/17/20 11:36	5
Toluene	ND		5.0	2.6	ug/L			06/17/20 11:36	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			06/17/20 11:36	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			06/17/20 11:36	5
Trichloroethene	ND		5.0	2.3	ug/L			06/17/20 11:36	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			06/17/20 11:36	5
Vinyl chloride	ND		5.0	4.5	ug/L			06/17/20 11:36	5
Xylenes, Total	ND		10	3.3	ug/L			06/17/20 11:36	5

Client: New York State D.E.C.
Job ID: 480-171172-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-171172-1
Date Collected: 06/12/20 13:02
Matrix: Water
Date Received: 06/13/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/17/20 11:36*	*5*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*06/17/20 11:36*	*5*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*06/17/20 11:36*	*5*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*06/17/20 11:36*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**503**		10.0	4.3	mg/L			06/19/20 21:57	10

Client Sample ID: RW-2
Lab Sample ID: 480-171172-2
Date Collected: 06/12/20 13:04
Matrix: Water
Date Received: 06/13/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/17/20 12:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/17/20 12:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/17/20 12:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/17/20 12:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/17/20 12:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/17/20 12:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/17/20 12:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/17/20 12:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/17/20 12:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/17/20 12:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/17/20 12:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/17/20 12:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/17/20 12:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/17/20 12:00	1
2-Hexanone	ND		5.0	1.2	ug/L			06/17/20 12:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/17/20 12:00	1
Acetone	ND		10	3.0	ug/L			06/17/20 12:00	1
Benzene	ND		1.0	0.41	ug/L			06/17/20 12:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/17/20 12:00	1
Bromoform	ND		1.0	0.26	ug/L			06/17/20 12:00	1
Bromomethane	ND		1.0	0.69	ug/L			06/17/20 12:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/17/20 12:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/17/20 12:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/17/20 12:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/17/20 12:00	1
Chloroethane	ND		1.0	0.32	ug/L			06/17/20 12:00	1
Chloroform	**0.73**	**J**	1.0	0.34	ug/L			06/17/20 12:00	1
Chloromethane	ND		1.0	0.35	ug/L			06/17/20 12:00	1
cis-1,2-Dichloroethene	**75**		1.0	0.81	ug/L			06/17/20 12:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/17/20 12:00	1
Cyclohexane	ND		1.0	0.18	ug/L			06/17/20 12:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/17/20 12:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/17/20 12:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/17/20 12:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/17/20 12:00	1
Methyl acetate	ND		2.5	1.3	ug/L			06/17/20 12:00	1

Client: New York State D.E.C.
Job ID: 480-171172-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-2
Lab Sample ID: 480-171172-2
Date Collected: 06/12/20 13:04
Matrix: Water
Date Received: 06/13/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/17/20 12:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/17/20 12:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/17/20 12:00	1
Styrene	ND		1.0	0.73	ug/L			06/17/20 12:00	1
Tetrachloroethene	**7.3**		1.0	0.36	ug/L			06/17/20 12:00	1
Toluene	ND		1.0	0.51	ug/L			06/17/20 12:00	1
trans-1,2-Dichloroethene	**5.8**		1.0	0.90	ug/L			06/17/20 12:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/17/20 12:00	1
Trichloroethene	**13**		1.0	0.46	ug/L			06/17/20 12:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/17/20 12:00	1
Vinyl chloride	**6.7**		1.0	0.90	ug/L			06/17/20 12:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/17/20 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/17/20 12:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/17/20 12:00*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*06/17/20 12:00*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*06/17/20 12:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**9.7**		1.0	0.43	mg/L			06/19/20 22:13	1

Client Sample ID: RW-3
Lab Sample ID: 480-171172-3
Date Collected: 06/12/20 13:06
Matrix: Water
Date Received: 06/13/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			06/16/20 16:13	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			06/16/20 16:13	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			06/16/20 16:13	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			06/16/20 16:13	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			06/16/20 16:13	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			06/16/20 16:13	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			06/16/20 16:13	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			06/16/20 16:13	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			06/16/20 16:13	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			06/16/20 16:13	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			06/16/20 16:13	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			06/16/20 16:13	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			06/16/20 16:13	4
2-Butanone (MEK)	ND		40	5.3	ug/L			06/16/20 16:13	4
2-Hexanone	ND		20	5.0	ug/L			06/16/20 16:13	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			06/16/20 16:13	4
Acetone	ND	*	40	12	ug/L			06/16/20 16:13	4
Benzene	ND		4.0	1.6	ug/L			06/16/20 16:13	4
Bromodichloromethane	ND		4.0	1.6	ug/L			06/16/20 16:13	4
Bromoform	ND		4.0	1.0	ug/L			06/16/20 16:13	4
Bromomethane	ND		4.0	2.8	ug/L			06/16/20 16:13	4

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-171172-1

Client Sample ID: RW-3

Lab Sample ID: 480-171172-3

Date Collected: 06/12/20 13:06

Matrix: Water

Date Received: 06/13/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			06/16/20 16:13	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			06/16/20 16:13	4
Chlorobenzene	ND		4.0	3.0	ug/L			06/16/20 16:13	4
Dibromochloromethane	ND		4.0	1.3	ug/L			06/16/20 16:13	4
Chloroethane	ND		4.0	1.3	ug/L			06/16/20 16:13	4
Chloroform	ND		4.0	1.4	ug/L			06/16/20 16:13	4
Chloromethane	ND		4.0	1.4	ug/L			06/16/20 16:13	4
cis-1,2-Dichloroethene	**6.1**		4.0	3.2	ug/L			06/16/20 16:13	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			06/16/20 16:13	4
Cyclohexane	ND		4.0	0.72	ug/L			06/16/20 16:13	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			06/16/20 16:13	4
Ethylbenzene	ND		4.0	3.0	ug/L			06/16/20 16:13	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			06/16/20 16:13	4
Isopropylbenzene	ND		4.0	3.2	ug/L			06/16/20 16:13	4
Methyl acetate	ND		10	5.2	ug/L			06/16/20 16:13	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			06/16/20 16:13	4
Methylcyclohexane	ND		4.0	0.64	ug/L			06/16/20 16:13	4
Methylene Chloride	ND		4.0	1.8	ug/L			06/16/20 16:13	4
Styrene	ND		4.0	2.9	ug/L			06/16/20 16:13	4
Tetrachloroethene	**200**		4.0	1.4	ug/L			06/16/20 16:13	4
Toluene	ND		4.0	2.0	ug/L			06/16/20 16:13	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			06/16/20 16:13	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			06/16/20 16:13	4
Trichloroethene	**3.2**	**J**	4.0	1.8	ug/L			06/16/20 16:13	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			06/16/20 16:13	4
Vinyl chloride	ND		4.0	3.6	ug/L			06/16/20 16:13	4
Xylenes, Total	ND		8.0	2.6	ug/L			06/16/20 16:13	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/16/20 16:13*	*4*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/16/20 16:13*	*4*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/16/20 16:13*	*4*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/16/20 16:13*	*4*

Client Sample ID: DUP

Lab Sample ID: 480-171172-4

Date Collected: 06/12/20 13:08

Matrix: Water

Date Received: 06/13/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			06/16/20 16:38	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			06/16/20 16:38	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			06/16/20 16:38	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			06/16/20 16:38	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			06/16/20 16:38	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			06/16/20 16:38	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			06/16/20 16:38	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			06/16/20 16:38	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			06/16/20 16:38	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			06/16/20 16:38	4

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-171172-1

Client Sample ID: DUP
Date Collected: 06/12/20 13:08
Date Received: 06/13/20 08:00

Lab Sample ID: 480-171172-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		4.0	2.9	ug/L			06/16/20 16:38	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			06/16/20 16:38	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			06/16/20 16:38	4
2-Butanone (MEK)	ND		40	5.3	ug/L			06/16/20 16:38	4
2-Hexanone	ND		20	5.0	ug/L			06/16/20 16:38	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			06/16/20 16:38	4
Acetone	ND	*	40	12	ug/L			06/16/20 16:38	4
Benzene	ND		4.0	1.6	ug/L			06/16/20 16:38	4
Bromodichloromethane	ND		4.0	1.6	ug/L			06/16/20 16:38	4
Bromoform	ND		4.0	1.0	ug/L			06/16/20 16:38	4
Bromomethane	ND		4.0	2.8	ug/L			06/16/20 16:38	4
Carbon disulfide	ND		4.0	0.76	ug/L			06/16/20 16:38	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			06/16/20 16:38	4
Chlorobenzene	ND		4.0	3.0	ug/L			06/16/20 16:38	4
Dibromochloromethane	ND		4.0	1.3	ug/L			06/16/20 16:38	4
Chloroethane	ND		4.0	1.3	ug/L			06/16/20 16:38	4
Chloroform	ND		4.0	1.4	ug/L			06/16/20 16:38	4
Chloromethane	ND		4.0	1.4	ug/L			06/16/20 16:38	4
cis-1,2-Dichloroethene	**5.7**		4.0	3.2	ug/L			06/16/20 16:38	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			06/16/20 16:38	4
Cyclohexane	ND		4.0	0.72	ug/L			06/16/20 16:38	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			06/16/20 16:38	4
Ethylbenzene	ND		4.0	3.0	ug/L			06/16/20 16:38	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			06/16/20 16:38	4
Isopropylbenzene	ND		4.0	3.2	ug/L			06/16/20 16:38	4
Methyl acetate	ND		10	5.2	ug/L			06/16/20 16:38	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			06/16/20 16:38	4
Methylcyclohexane	ND		4.0	0.64	ug/L			06/16/20 16:38	4
Methylene Chloride	ND		4.0	1.8	ug/L			06/16/20 16:38	4
Styrene	ND		4.0	2.9	ug/L			06/16/20 16:38	4
Tetrachloroethene	**200**		4.0	1.4	ug/L			06/16/20 16:38	4
Toluene	ND		4.0	2.0	ug/L			06/16/20 16:38	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			06/16/20 16:38	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			06/16/20 16:38	4
Trichloroethene	**2.8**	**J**	4.0	1.8	ug/L			06/16/20 16:38	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			06/16/20 16:38	4
Vinyl chloride	ND		4.0	3.6	ug/L			06/16/20 16:38	4
Xylenes, Total	ND		8.0	2.6	ug/L			06/16/20 16:38	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/16/20 16:38*	*4*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*06/16/20 16:38*	*4*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*06/16/20 16:38*	*4*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/16/20 16:38*	*4*

Client: New York State D.E.C.
Job ID: 480-171172-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: EFFLUENT
Lab Sample ID: 480-171172-5
Date Collected: 06/12/20 13:00
Matrix: Water
Date Received: 06/13/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/16/20 17:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/16/20 17:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/16/20 17:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/16/20 17:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/16/20 17:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/16/20 17:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/16/20 17:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/16/20 17:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/16/20 17:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/16/20 17:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/16/20 17:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/16/20 17:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/16/20 17:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/16/20 17:03	1
2-Hexanone	ND		5.0	1.2	ug/L			06/16/20 17:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/16/20 17:03	1
Acetone	ND	*	10	3.0	ug/L			06/16/20 17:03	1
Benzene	ND		1.0	0.41	ug/L			06/16/20 17:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/16/20 17:03	1
Bromoform	ND		1.0	0.26	ug/L			06/16/20 17:03	1
Bromomethane	ND		1.0	0.69	ug/L			06/16/20 17:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/16/20 17:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/16/20 17:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/16/20 17:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/16/20 17:03	1
Chloroethane	ND		1.0	0.32	ug/L			06/16/20 17:03	1
Chloroform	ND		1.0	0.34	ug/L			06/16/20 17:03	1
Chloromethane	ND		1.0	0.35	ug/L			06/16/20 17:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/16/20 17:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/16/20 17:03	1
Cyclohexane	ND		1.0	0.18	ug/L			06/16/20 17:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/16/20 17:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/16/20 17:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/16/20 17:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/16/20 17:03	1
Methyl acetate	ND		2.5	1.3	ug/L			06/16/20 17:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/16/20 17:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/16/20 17:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/16/20 17:03	1
Styrene	ND		1.0	0.73	ug/L			06/16/20 17:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/16/20 17:03	1
Toluene	ND		1.0	0.51	ug/L			06/16/20 17:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/16/20 17:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/16/20 17:03	1
Trichloroethene	ND		1.0	0.46	ug/L			06/16/20 17:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/16/20 17:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/16/20 17:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/16/20 17:03	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-171172-5

Date Collected: 06/12/20 13:00
Matrix: Water
Date Received: 06/13/20 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*06/16/20 17:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*06/16/20 17:03*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*06/16/20 17:03*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/16/20 17:03*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-171172-6

Date Collected: 06/12/20 00:00
Matrix: Water
Date Received: 06/13/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/16/20 17:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/16/20 17:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/16/20 17:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/16/20 17:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/16/20 17:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/16/20 17:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/16/20 17:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/16/20 17:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/16/20 17:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/16/20 17:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/16/20 17:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/16/20 17:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/16/20 17:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/16/20 17:28	1
2-Hexanone	ND		5.0	1.2	ug/L			06/16/20 17:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/16/20 17:28	1
Acetone	ND	*	10	3.0	ug/L			06/16/20 17:28	1
Benzene	ND		1.0	0.41	ug/L			06/16/20 17:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/16/20 17:28	1
Bromoform	ND		1.0	0.26	ug/L			06/16/20 17:28	1
Bromomethane	ND		1.0	0.69	ug/L			06/16/20 17:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/16/20 17:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/16/20 17:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/16/20 17:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/16/20 17:28	1
Chloroethane	ND		1.0	0.32	ug/L			06/16/20 17:28	1
Chloroform	ND		1.0	0.34	ug/L			06/16/20 17:28	1
Chloromethane	ND		1.0	0.35	ug/L			06/16/20 17:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/16/20 17:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/16/20 17:28	1
Cyclohexane	ND		1.0	0.18	ug/L			06/16/20 17:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/16/20 17:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/16/20 17:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/16/20 17:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/16/20 17:28	1
Methyl acetate	ND		2.5	1.3	ug/L			06/16/20 17:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/16/20 17:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/16/20 17:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/16/20 17:28	1

Client: New York State D.E.C.
Job ID: 480-171172-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-171172-6
Date Collected: 06/12/20 00:00
Matrix: Water
Date Received: 06/13/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			06/16/20 17:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/16/20 17:28	1
Toluene	ND		1.0	0.51	ug/L			06/16/20 17:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/16/20 17:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/16/20 17:28	1
Trichloroethene	ND		1.0	0.46	ug/L			06/16/20 17:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/16/20 17:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/16/20 17:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/16/20 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/16/20 17:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/16/20 17:28*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*06/16/20 17:28*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/16/20 17:28*	*1*

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-171172-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-171172-1
Date Collected: 06/12/20 13:02
Matrix: Water
Date Received: 06/13/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	536586	06/17/20 11:36	AMM	TAL BUF
Total/NA	Analysis	SM 5310C		10	537170	06/19/20 21:57	CLA	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-171172-2
Date Collected: 06/12/20 13:04
Matrix: Water
Date Received: 06/13/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	536586	06/17/20 12:00	AMM	TAL BUF
Total/NA	Analysis	SM 5310C		1	537170	06/19/20 22:13	CLA	TAL BUF

Client Sample ID: RW-3
Lab Sample ID: 480-171172-3
Date Collected: 06/12/20 13:06
Matrix: Water
Date Received: 06/13/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	536398	06/16/20 16:13	CRL	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-171172-4
Date Collected: 06/12/20 13:08
Matrix: Water
Date Received: 06/13/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	536398	06/16/20 16:38	CRL	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-171172-5
Date Collected: 06/12/20 13:00
Matrix: Water
Date Received: 06/13/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	536398	06/16/20 17:03	CRL	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-171172-6
Date Collected: 06/12/20 00:00
Matrix: Water
Date Received: 06/13/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	536398	06/16/20 17:28	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-171172-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-171172-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-171172-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-171172-1	RW-1	Water	06/12/20 13:02	06/13/20 08:00	
480-171172-2	RW-2	Water	06/12/20 13:04	06/13/20 08:00	
480-171172-3	RW-3	Water	06/12/20 13:06	06/13/20 08:00	
480-171172-4	DUP	Water	06/12/20 13:08	06/13/20 08:00	
480-171172-5	EFFLUENT	Water	06/12/20 13:00	06/13/20 08:00	
480-171172-6	TRIP BLANK	Water	06/12/20 00:00	06/13/20 08:00	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-171172-1

Login Number: 171172

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

#224

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Frank Zabel	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-145904-30092.1
Client Contact: Jessica Marcy	Phone: 518-470-0435	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days): STD			
State, Zip: NY, 12020				
Phone:	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	A	A		
RW-1	6/12/20	1302	G	Water			X		X		
RW-2	6/12/20	1304	G	Water			X		X		
RW-3	6/12/20	1306	G	Water			X				
DUP	6/12/20	1308	G	Water			X				
Effluent	6/12/20	1300	G	Water			X				
Trip Blank				Water				X			
				Water							
				Water							
				Water							

480-171172 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Frank Zabel	6/12/20 1435	Aztech	Karl Jacobs	6/12/20 1435	Eurofins
Karl Jacobs	6/12/20 1700	Eurofins			
				6/13/20 0800	TF

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.3 #1

Ver: 01/16/2019

ANALYTICAL REPORT

Job Number: 480-172233-1

Job Description: Roxy Cleaners #442024

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, NY 12233-7014

Attention: Jenelle Gaylord

Approved for release.
Alexander C Gilbert
Project Management Assistant I
7/21/2020 10:45 AM

Designee for
Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
Judy.Stone@Eurofinset.com
07/21/2020

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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

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

Job Number: 480-172233-1

Job Description: Roxy Cleaners #442024

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

Approved for release.
Alexander C Gilbert
Project Management Assistant I
7/21/2020 10:45 AM

Designee for
Judy L Stone

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Job Narrative
480-172233-1

Comments
No additional comments.

Receipt
The samples were received on 7/11/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) for analytical batch 480-540282 recovered outside control limits for the following analyte: Methyl acetate. Methyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The associated samples are impacted: RW-1 (480-172233-1), RW-2 (480-172233-2), RW-3 (480-172233-3), DUP (480-172233-4), EFFLUENT (480-172233-5) and TRIP BLANK (480-172233-6).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-540282 recovered outside acceptance criteria, low biased, for 2-Butanone (MEK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated samples are impacted: RW-2 (480-172233-2), RW-3 (480-172233-3), DUP (480-172233-4), EFFLUENT (480-172233-5) and TRIP BLANK (480-172233-6).

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-540282 was outside the method criteria for the following analyte: 2-Butanone (MEK). A CCV standard at or below the reporting limit (RL) was analyzed with the affected sample and was found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The associated sample is impacted: RW-1 (480-172233-1).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-1 (480-172233-1), RW-3 (480-172233-3) and DUP (480-172233-4). Elevated reporting limits (RLs) are provided.

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

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

Sample Summary

Client: New York State D.E.C.
Job ID: 480-172233-1
Project/Site: Roxy Cleaners #442024

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-172233-1	RW-1	Water	07/10/20 12:45	07/11/20 08:00	
480-172233-2	RW-2	Water	07/10/20 13:00	07/11/20 08:00	
480-172233-3	RW-3	Water	07/10/20 12:30	07/11/20 08:00	
480-172233-4	DUP	Water	07/10/20 00:00	07/11/20 08:00	
480-172233-5	EFFLUENT	Water	07/10/20 12:35	07/11/20 08:00	
480-172233-6	TRIP BLANK	Water	07/10/20 00:00	07/11/20 08:00	

Detection Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-172233-1

Client Sample ID: RW-1 — Lab Sample ID: 480-172233-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	600		50	6.6	ug/L	5		8260C	Total/NA
Acetone	630		50	15	ug/L	5		8260C	Total/NA
Methyl tert-butyl ether	3.9	J	5.0	0.80	ug/L	5		8260C	Total/NA
Total Organic Carbon	424		8.0	3.5	mg/L	8		SM 5310C	Total/NA

Client Sample ID: RW-2 — Lab Sample ID: 480-172233-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.33	J	1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	3.2	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	88		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	15		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	7.9		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	23		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	13		1.0	0.90	ug/L	1		8260C	Total/NA
Total Organic Carbon	3.1		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: RW-3 — Lab Sample ID: 480-172233-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.9		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	200		4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	2.5	J	4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: DUP — Lab Sample ID: 480-172233-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.4		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	190		4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	2.3	J	4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-172233-5

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-172233-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-172233-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Client Sample ID: RW-1
Lab Sample ID: 480-172233-1

Date Collected: 07/10/20 12:45
Matrix: Water

Date Received: 07/11/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			07/14/20 14:33	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			07/14/20 14:33	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/14/20 14:33	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			07/14/20 14:33	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			07/14/20 14:33	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			07/14/20 14:33	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			07/14/20 14:33	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			07/14/20 14:33	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			07/14/20 14:33	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			07/14/20 14:33	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			07/14/20 14:33	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			07/14/20 14:33	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			07/14/20 14:33	5
2-Butanone (MEK)	**600**		50	6.6	ug/L			07/14/20 14:33	5
2-Hexanone	ND		25	6.2	ug/L			07/14/20 14:33	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			07/14/20 14:33	5
Acetone	**630**		50	15	ug/L			07/14/20 14:33	5
Benzene	ND		5.0	2.1	ug/L			07/14/20 14:33	5
Bromodichloromethane	ND		5.0	2.0	ug/L			07/14/20 14:33	5
Bromoform	ND		5.0	1.3	ug/L			07/14/20 14:33	5
Bromomethane	ND		5.0	3.5	ug/L			07/14/20 14:33	5
Carbon disulfide	ND		5.0	0.95	ug/L			07/14/20 14:33	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			07/14/20 14:33	5
Chlorobenzene	ND		5.0	3.8	ug/L			07/14/20 14:33	5
Dibromochloromethane	ND		5.0	1.6	ug/L			07/14/20 14:33	5
Chloroethane	ND		5.0	1.6	ug/L			07/14/20 14:33	5
Chloroform	ND		5.0	1.7	ug/L			07/14/20 14:33	5
Chloromethane	ND		5.0	1.8	ug/L			07/14/20 14:33	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			07/14/20 14:33	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			07/14/20 14:33	5
Cyclohexane	ND		5.0	0.90	ug/L			07/14/20 14:33	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			07/14/20 14:33	5
Ethylbenzene	ND		5.0	3.7	ug/L			07/14/20 14:33	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			07/14/20 14:33	5
Isopropylbenzene	ND		5.0	4.0	ug/L			07/14/20 14:33	5
Methyl acetate	ND	*	13	6.5	ug/L			07/14/20 14:33	5
Methyl tert-butyl ether	**3.9**	**J**	5.0	0.80	ug/L			07/14/20 14:33	5
Methylcyclohexane	ND		5.0	0.80	ug/L			07/14/20 14:33	5
Methylene Chloride	ND		5.0	2.2	ug/L			07/14/20 14:33	5
Styrene	ND		5.0	3.7	ug/L			07/14/20 14:33	5
Tetrachloroethene	ND		5.0	1.8	ug/L			07/14/20 14:33	5
Toluene	ND		5.0	2.6	ug/L			07/14/20 14:33	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			07/14/20 14:33	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			07/14/20 14:33	5
Trichloroethene	ND		5.0	2.3	ug/L			07/14/20 14:33	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			07/14/20 14:33	5
Vinyl chloride	ND		5.0	4.5	ug/L			07/14/20 14:33	5
Xylenes, Total	ND		10	3.3	ug/L			07/14/20 14:33	5

Client Sample ID: RW-1
Lab Sample ID: 480-172233-1
Date Collected: 07/10/20 12:45
Matrix: Water
Date Received: 07/11/20 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*07/14/20 14:33*	*5*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*07/14/20 14:33*	*5*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*07/14/20 14:33*	*5*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*07/14/20 14:33*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**424**		8.0	3.5	mg/L			07/16/20 22:52	8

Client Sample ID: RW-2
Lab Sample ID: 480-172233-2
Date Collected: 07/10/20 13:00
Matrix: Water
Date Received: 07/11/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/14/20 14:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/14/20 14:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/14/20 14:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/14/20 14:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/14/20 14:57	1
1,1-Dichloroethene	**0.33**	**J**	1.0	0.29	ug/L			07/14/20 14:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/14/20 14:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/14/20 14:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/14/20 14:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/14/20 14:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/14/20 14:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/14/20 14:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/14/20 14:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/14/20 14:57	1
2-Hexanone	ND		5.0	1.2	ug/L			07/14/20 14:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/14/20 14:57	1
Acetone	**3.2**	**J**	10	3.0	ug/L			07/14/20 14:57	1
Benzene	ND		1.0	0.41	ug/L			07/14/20 14:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/14/20 14:57	1
Bromoform	ND		1.0	0.26	ug/L			07/14/20 14:57	1
Bromomethane	ND		1.0	0.69	ug/L			07/14/20 14:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/14/20 14:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/14/20 14:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/14/20 14:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/14/20 14:57	1
Chloroethane	ND		1.0	0.32	ug/L			07/14/20 14:57	1
Chloroform	ND		1.0	0.34	ug/L			07/14/20 14:57	1
Chloromethane	ND		1.0	0.35	ug/L			07/14/20 14:57	1
cis-1,2-Dichloroethene	**88**		1.0	0.81	ug/L			07/14/20 14:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/14/20 14:57	1
Cyclohexane	ND		1.0	0.18	ug/L			07/14/20 14:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/14/20 14:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/14/20 14:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/14/20 14:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/14/20 14:57	1
Methyl acetate	ND	*	2.5	1.3	ug/L			07/14/20 14:57	1

Client Sample ID: RW-2
Lab Sample ID: 480-172233-2

Date Collected: 07/10/20 13:00
Matrix: Water
Date Received: 07/11/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/14/20 14:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/14/20 14:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/14/20 14:57	1
Styrene	ND		1.0	0.73	ug/L			07/14/20 14:57	1
Tetrachloroethene	**15**		1.0	0.36	ug/L			07/14/20 14:57	1
Toluene	ND		1.0	0.51	ug/L			07/14/20 14:57	1
trans-1,2-Dichloroethene	**7.9**		1.0	0.90	ug/L			07/14/20 14:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/14/20 14:57	1
Trichloroethene	**23**		1.0	0.46	ug/L			07/14/20 14:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/14/20 14:57	1
Vinyl chloride	**13**		1.0	0.90	ug/L			07/14/20 14:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/14/20 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/14/20 14:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*07/14/20 14:57*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*07/14/20 14:57*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*07/14/20 14:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**3.1**		1.0	0.43	mg/L			07/16/20 23:38	1

Client Sample ID: RW-3
Lab Sample ID: 480-172233-3

Date Collected: 07/10/20 12:30
Matrix: Water
Date Received: 07/11/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			07/14/20 15:22	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			07/14/20 15:22	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			07/14/20 15:22	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			07/14/20 15:22	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			07/14/20 15:22	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			07/14/20 15:22	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			07/14/20 15:22	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			07/14/20 15:22	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			07/14/20 15:22	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			07/14/20 15:22	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			07/14/20 15:22	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			07/14/20 15:22	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			07/14/20 15:22	4
2-Butanone (MEK)	ND		40	5.3	ug/L			07/14/20 15:22	4
2-Hexanone	ND		20	5.0	ug/L			07/14/20 15:22	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			07/14/20 15:22	4
Acetone	ND		40	12	ug/L			07/14/20 15:22	4
Benzene	ND		4.0	1.6	ug/L			07/14/20 15:22	4
Bromodichloromethane	ND		4.0	1.6	ug/L			07/14/20 15:22	4
Bromoform	ND		4.0	1.0	ug/L			07/14/20 15:22	4
Bromomethane	ND		4.0	2.8	ug/L			07/14/20 15:22	4

Client Sample ID: RW-3
Lab Sample ID: 480-172233-3
Date Collected: 07/10/20 12:30
Matrix: Water
Date Received: 07/11/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			07/14/20 15:22	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			07/14/20 15:22	4
Chlorobenzene	ND		4.0	3.0	ug/L			07/14/20 15:22	4
Dibromochloromethane	ND		4.0	1.3	ug/L			07/14/20 15:22	4
Chloroethane	ND		4.0	1.3	ug/L			07/14/20 15:22	4
Chloroform	ND		4.0	1.4	ug/L			07/14/20 15:22	4
Chloromethane	ND		4.0	1.4	ug/L			07/14/20 15:22	4
cis-1,2-Dichloroethene	**4.9**		4.0	3.2	ug/L			07/14/20 15:22	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			07/14/20 15:22	4
Cyclohexane	ND		4.0	0.72	ug/L			07/14/20 15:22	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			07/14/20 15:22	4
Ethylbenzene	ND		4.0	3.0	ug/L			07/14/20 15:22	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			07/14/20 15:22	4
Isopropylbenzene	ND		4.0	3.2	ug/L			07/14/20 15:22	4
Methyl acetate	ND	*	10	5.2	ug/L			07/14/20 15:22	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			07/14/20 15:22	4
Methylcyclohexane	ND		4.0	0.64	ug/L			07/14/20 15:22	4
Methylene Chloride	ND		4.0	1.8	ug/L			07/14/20 15:22	4
Styrene	ND		4.0	2.9	ug/L			07/14/20 15:22	4
Tetrachloroethene	**200**		4.0	1.4	ug/L			07/14/20 15:22	4
Toluene	ND		4.0	2.0	ug/L			07/14/20 15:22	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			07/14/20 15:22	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			07/14/20 15:22	4
Trichloroethene	**2.5**	**J**	4.0	1.8	ug/L			07/14/20 15:22	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			07/14/20 15:22	4
Vinyl chloride	ND		4.0	3.6	ug/L			07/14/20 15:22	4
Xylenes, Total	ND		8.0	2.6	ug/L			07/14/20 15:22	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/14/20 15:22*	*4*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*07/14/20 15:22*	*4*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*07/14/20 15:22*	*4*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*07/14/20 15:22*	*4*

Client Sample ID: DUP
Lab Sample ID: 480-172233-4
Date Collected: 07/10/20 00:00
Matrix: Water
Date Received: 07/11/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			07/14/20 15:47	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			07/14/20 15:47	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			07/14/20 15:47	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			07/14/20 15:47	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			07/14/20 15:47	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			07/14/20 15:47	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			07/14/20 15:47	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			07/14/20 15:47	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			07/14/20 15:47	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			07/14/20 15:47	4

Client Sample ID: DUP
Lab Sample ID: 480-172233-4

Date Collected: 07/10/20 00:00
Matrix: Water

Date Received: 07/11/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		4.0	2.9	ug/L			07/14/20 15:47	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			07/14/20 15:47	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			07/14/20 15:47	4
2-Butanone (MEK)	ND		40	5.3	ug/L			07/14/20 15:47	4
2-Hexanone	ND		20	5.0	ug/L			07/14/20 15:47	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			07/14/20 15:47	4
Acetone	ND		40	12	ug/L			07/14/20 15:47	4
Benzene	ND		4.0	1.6	ug/L			07/14/20 15:47	4
Bromodichloromethane	ND		4.0	1.6	ug/L			07/14/20 15:47	4
Bromoform	ND		4.0	1.0	ug/L			07/14/20 15:47	4
Bromomethane	ND		4.0	2.8	ug/L			07/14/20 15:47	4
Carbon disulfide	ND		4.0	0.76	ug/L			07/14/20 15:47	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			07/14/20 15:47	4
Chlorobenzene	ND		4.0	3.0	ug/L			07/14/20 15:47	4
Dibromochloromethane	ND		4.0	1.3	ug/L			07/14/20 15:47	4
Chloroethane	ND		4.0	1.3	ug/L			07/14/20 15:47	4
Chloroform	ND		4.0	1.4	ug/L			07/14/20 15:47	4
Chloromethane	ND		4.0	1.4	ug/L			07/14/20 15:47	4
cis-1,2-Dichloroethene	**4.4**		4.0	3.2	ug/L			07/14/20 15:47	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			07/14/20 15:47	4
Cyclohexane	ND		4.0	0.72	ug/L			07/14/20 15:47	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			07/14/20 15:47	4
Ethylbenzene	ND		4.0	3.0	ug/L			07/14/20 15:47	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			07/14/20 15:47	4
Isopropylbenzene	ND		4.0	3.2	ug/L			07/14/20 15:47	4
Methyl acetate	ND	*	10	5.2	ug/L			07/14/20 15:47	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			07/14/20 15:47	4
Methylcyclohexane	ND		4.0	0.64	ug/L			07/14/20 15:47	4
Methylene Chloride	ND		4.0	1.8	ug/L			07/14/20 15:47	4
Styrene	ND		4.0	2.9	ug/L			07/14/20 15:47	4
Tetrachloroethene	**190**		4.0	1.4	ug/L			07/14/20 15:47	4
Toluene	ND		4.0	2.0	ug/L			07/14/20 15:47	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			07/14/20 15:47	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			07/14/20 15:47	4
Trichloroethene	**2.3**	**J**	4.0	1.8	ug/L			07/14/20 15:47	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			07/14/20 15:47	4
Vinyl chloride	ND		4.0	3.6	ug/L			07/14/20 15:47	4
Xylenes, Total	ND		8.0	2.6	ug/L			07/14/20 15:47	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*07/14/20 15:47*	*4*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*07/14/20 15:47*	*4*
4-Bromofluorobenzene (Surr)	*80*		*73 - 120*		*07/14/20 15:47*	*4*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*07/14/20 15:47*	*4*

Client Sample ID: EFFLUENT
Lab Sample ID: 480-172233-5

Date Collected: 07/10/20 12:35
Matrix: Water

Date Received: 07/11/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/14/20 16:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/14/20 16:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/14/20 16:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/14/20 16:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/14/20 16:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/14/20 16:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/14/20 16:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/14/20 16:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/14/20 16:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/14/20 16:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/14/20 16:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/14/20 16:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/14/20 16:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/14/20 16:12	1
2-Hexanone	ND		5.0	1.2	ug/L			07/14/20 16:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/14/20 16:12	1
Acetone	ND		10	3.0	ug/L			07/14/20 16:12	1
Benzene	ND		1.0	0.41	ug/L			07/14/20 16:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/14/20 16:12	1
Bromoform	ND		1.0	0.26	ug/L			07/14/20 16:12	1
Bromomethane	ND		1.0	0.69	ug/L			07/14/20 16:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/14/20 16:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/14/20 16:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/14/20 16:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/14/20 16:12	1
Chloroethane	ND		1.0	0.32	ug/L			07/14/20 16:12	1
Chloroform	ND		1.0	0.34	ug/L			07/14/20 16:12	1
Chloromethane	ND		1.0	0.35	ug/L			07/14/20 16:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/14/20 16:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/14/20 16:12	1
Cyclohexane	ND		1.0	0.18	ug/L			07/14/20 16:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/14/20 16:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/14/20 16:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/14/20 16:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/14/20 16:12	1
Methyl acetate	ND	*	2.5	1.3	ug/L			07/14/20 16:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/14/20 16:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/14/20 16:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/14/20 16:12	1
Styrene	ND		1.0	0.73	ug/L			07/14/20 16:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/14/20 16:12	1
Toluene	ND		1.0	0.51	ug/L			07/14/20 16:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/14/20 16:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/14/20 16:12	1
Trichloroethene	ND		1.0	0.46	ug/L			07/14/20 16:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/14/20 16:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/14/20 16:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/14/20 16:12	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-172233-5

Date Collected: 07/10/20 12:35
Matrix: Water
Date Received: 07/11/20 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*07/14/20 16:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*07/14/20 16:12*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*07/14/20 16:12*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*07/14/20 16:12*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-172233-6

Date Collected: 07/10/20 00:00
Matrix: Water
Date Received: 07/11/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/14/20 16:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/14/20 16:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/14/20 16:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/14/20 16:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/14/20 16:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/14/20 16:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/14/20 16:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/14/20 16:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/14/20 16:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/14/20 16:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/14/20 16:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/14/20 16:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/14/20 16:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/14/20 16:37	1
2-Hexanone	ND		5.0	1.2	ug/L			07/14/20 16:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/14/20 16:37	1
Acetone	ND		10	3.0	ug/L			07/14/20 16:37	1
Benzene	ND		1.0	0.41	ug/L			07/14/20 16:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/14/20 16:37	1
Bromoform	ND		1.0	0.26	ug/L			07/14/20 16:37	1
Bromomethane	ND		1.0	0.69	ug/L			07/14/20 16:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/14/20 16:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/14/20 16:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/14/20 16:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/14/20 16:37	1
Chloroethane	ND		1.0	0.32	ug/L			07/14/20 16:37	1
Chloroform	ND		1.0	0.34	ug/L			07/14/20 16:37	1
Chloromethane	ND		1.0	0.35	ug/L			07/14/20 16:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/14/20 16:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/14/20 16:37	1
Cyclohexane	ND		1.0	0.18	ug/L			07/14/20 16:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/14/20 16:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/14/20 16:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/14/20 16:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/14/20 16:37	1
Methyl acetate	ND	*	2.5	1.3	ug/L			07/14/20 16:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/14/20 16:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/14/20 16:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/14/20 16:37	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-172233-6

Date Collected: 07/10/20 00:00
Matrix: Water
Date Received: 07/11/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			07/14/20 16:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/14/20 16:37	1
Toluene	ND		1.0	0.51	ug/L			07/14/20 16:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/14/20 16:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/14/20 16:37	1
Trichloroethene	ND		1.0	0.46	ug/L			07/14/20 16:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/14/20 16:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/14/20 16:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/14/20 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*07/14/20 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*07/14/20 16:37*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*07/14/20 16:37*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*07/14/20 16:37*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-172233-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-172233-1	RW-1	92	92	90	92
480-172233-2	RW-2	94	89	87	90
480-172233-3	RW-3	94	89	91	90
480-172233-4	DUP	87	88	80	90
480-172233-5	EFFLUENT	91	91	86	90
480-172233-6	TRIP BLANK	91	89	86	89
LCS 480-540282/6	Lab Control Sample	95	87	96	88
MB 480-540282/8	Method Blank	90	86	86	87

Surrogate Legend

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

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-172233-1

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

Lab Sample ID: MB 480-540282/8
Matrix: Water
Analysis Batch: 540282

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/14/20 11:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/14/20 11:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/14/20 11:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/14/20 11:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/14/20 11:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/14/20 11:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/14/20 11:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/14/20 11:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/14/20 11:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/14/20 11:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/14/20 11:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/14/20 11:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/14/20 11:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/14/20 11:50	1
2-Hexanone	ND		5.0	1.2	ug/L			07/14/20 11:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/14/20 11:50	1
Acetone	ND		10	3.0	ug/L			07/14/20 11:50	1
Benzene	ND		1.0	0.41	ug/L			07/14/20 11:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/14/20 11:50	1
Bromoform	ND		1.0	0.26	ug/L			07/14/20 11:50	1
Bromomethane	ND		1.0	0.69	ug/L			07/14/20 11:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/14/20 11:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/14/20 11:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/14/20 11:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/14/20 11:50	1
Chloroethane	ND		1.0	0.32	ug/L			07/14/20 11:50	1
Chloroform	ND		1.0	0.34	ug/L			07/14/20 11:50	1
Chloromethane	ND		1.0	0.35	ug/L			07/14/20 11:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/14/20 11:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/14/20 11:50	1
Cyclohexane	ND		1.0	0.18	ug/L			07/14/20 11:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/14/20 11:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/14/20 11:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/14/20 11:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/14/20 11:50	1
Methyl acetate	ND		2.5	1.3	ug/L			07/14/20 11:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/14/20 11:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/14/20 11:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/14/20 11:50	1
Styrene	ND		1.0	0.73	ug/L			07/14/20 11:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/14/20 11:50	1
Toluene	ND		1.0	0.51	ug/L			07/14/20 11:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/14/20 11:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/14/20 11:50	1
Trichloroethene	ND		1.0	0.46	ug/L			07/14/20 11:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/14/20 11:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/14/20 11:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/14/20 11:50	1

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

Lab Sample ID: MB 480-540282/8
Matrix: Water
Analysis Batch: 540282

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*90*		*80 - 120*		*07/14/20 11:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*07/14/20 11:50*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*07/14/20 11:50*	*1*
Dibromofluoromethane (Surr)	*87*		*75 - 123*		*07/14/20 11:50*	*1*

Lab Sample ID: LCS 480-540282/6
Matrix: Water
Analysis Batch: 540282

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	21.7		ug/L		87	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.4		ug/L		93	76 - 120
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.0		ug/L		88	61 - 148
1,1-Dichloroethane	25.0	21.0		ug/L		84	77 - 120
1,1-Dichloroethene	25.0	21.4		ug/L		85	66 - 127
1,2,4-Trichlorobenzene	25.0	27.0		ug/L		108	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.8		ug/L		83	56 - 134
1,2-Dichlorobenzene	25.0	25.6		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	20.0		ug/L		80	75 - 120
1,2-Dichloropropane	25.0	21.2		ug/L		85	76 - 120
1,3-Dichlorobenzene	25.0	25.7		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	25.5		ug/L		102	80 - 120
2-Butanone (MEK)	125	87.0		ug/L		70	57 - 140
2-Hexanone	125	106		ug/L		84	65 - 127
4-Methyl-2-pentanone (MIBK)	125	107		ug/L		85	71 - 125
Acetone	125	81.5		ug/L		65	56 - 142
Benzene	25.0	21.3		ug/L		85	71 - 124
Bromodichloromethane	25.0	21.4		ug/L		86	80 - 122
Bromoform	25.0	23.1		ug/L		92	61 - 132
Bromomethane	25.0	23.5		ug/L		94	55 - 144
Carbon disulfide	25.0	21.7		ug/L		87	59 - 134
Carbon tetrachloride	25.0	22.0		ug/L		88	72 - 134
Chlorobenzene	25.0	24.3		ug/L		97	80 - 120
Dibromochloromethane	25.0	24.9		ug/L		99	75 - 125
Chloroethane	25.0	25.6		ug/L		103	69 - 136
Chloroform	25.0	19.8		ug/L		79	73 - 127
Chloromethane	25.0	22.6		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	21.8		ug/L		87	74 - 124
cis-1,3-Dichloropropene	25.0	23.0		ug/L		92	74 - 124
Cyclohexane	25.0	23.2		ug/L		93	59 - 135
Dichlorodifluoromethane	25.0	21.7		ug/L		87	59 - 135
Ethylbenzene	25.0	25.8		ug/L		103	77 - 123
1,2-Dibromoethane	25.0	24.4		ug/L		98	77 - 120
Isopropylbenzene	25.0	27.9		ug/L		112	77 - 122
Methyl acetate	50.0	35.6	*	ug/L		71	74 - 133
Methyl tert-butyl ether	25.0	21.7		ug/L		87	77 - 120
Methylcyclohexane	25.0	23.0		ug/L		92	68 - 134

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

Lab Sample ID: LCS 480-540282/6
Matrix: Water
Analysis Batch: 540282

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	19.7		ug/L		79	75 - 124
Styrene	25.0	28.1		ug/L		112	80 - 120
Tetrachloroethene	25.0	24.8		ug/L		99	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	21.6		ug/L		86	73 - 127
trans-1,3-Dichloropropene	25.0	25.9		ug/L		104	80 - 120
Trichloroethene	25.0	21.6		ug/L		86	74 - 123
Trichlorofluoromethane	25.0	21.7		ug/L		87	62 - 150
Vinyl chloride	25.0	25.4		ug/L		102	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*88*		*75 - 123*

Method: SM 5310C - TOC

Lab Sample ID: MB 480-540942/4
Matrix: Water
Analysis Batch: 540942

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			07/16/20 20:37	1

Lab Sample ID: LCS 480-540942/5
Matrix: Water
Analysis Batch: 540942

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	63.15		mg/L		105	90 - 110

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-172233-1

GC/MS VOA

Analysis Batch: 540282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172233-1	RW-1	Total/NA	Water	8260C	
480-172233-2	RW-2	Total/NA	Water	8260C	
480-172233-3	RW-3	Total/NA	Water	8260C	
480-172233-4	DUP	Total/NA	Water	8260C	
480-172233-5	EFFLUENT	Total/NA	Water	8260C	
480-172233-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-540282/8	Method Blank	Total/NA	Water	8260C	
LCS 480-540282/6	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 540942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172233-1	RW-1	Total/NA	Water	SM 5310C	
480-172233-2	RW-2	Total/NA	Water	SM 5310C	
MB 480-540942/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-540942/5	Lab Control Sample	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-172233-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-172233-1
Date Collected: 07/10/20 12:45
Matrix: Water
Date Received: 07/11/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	540282	07/14/20 14:33	CRL	TAL BUF
Total/NA	Analysis	SM 5310C		8	540942	07/16/20 22:52	CLA	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-172233-2
Date Collected: 07/10/20 13:00
Matrix: Water
Date Received: 07/11/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	540282	07/14/20 14:57	CRL	TAL BUF
Total/NA	Analysis	SM 5310C		1	540942	07/16/20 23:38	CLA	TAL BUF

Client Sample ID: RW-3
Lab Sample ID: 480-172233-3
Date Collected: 07/10/20 12:30
Matrix: Water
Date Received: 07/11/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	540282	07/14/20 15:22	CRL	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-172233-4
Date Collected: 07/10/20 00:00
Matrix: Water
Date Received: 07/11/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	540282	07/14/20 15:47	CRL	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-172233-5
Date Collected: 07/10/20 12:35
Matrix: Water
Date Received: 07/11/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	540282	07/14/20 16:12	CRL	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-172233-6
Date Collected: 07/10/20 00:00
Matrix: Water
Date Received: 07/11/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	540282	07/14/20 16:37	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-172233-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Eurofins TestAmerica, Buffalo Albany #224
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Matt Ryan	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-145905-30092.1
Client Contact: Jessica Marcy	Phone: (518) 791-2989	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days):			
State, Zip: NY, 12020				
Phone: (518) 885-5383	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site: Roxy	SSOW#:			

Analysis Requested

480-172233 Chain of Custody

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; cid; 4; ir; ic Acid; ar; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Number of cor	Special Instructions/Note:
			Preservation Code:				A	A	A		
RW-1	7/10/20	1245	G	Water			X		X	5	None
RW-2	7/10/20	1300	G	Water			X		X	5	
RW-3	7/10/20	1330	G	Water			X			3	
DUP	7/10/20	—	G	Water			X			3	
Effluent	7/10/20	1235	G	Water			X			3	
Trip Blank	7/10/20	—	G	Water				X		2	
				Water							
				Water							
				Water							

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	7/10/20 1400	Aztech	[signature]	7/10/20 1430	Eurofins
Relinquished by: [signature]	Date/Time: 7/10/20 1700	Company Eurofins	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 7/11/20 0800	Company TAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.3 #1

Ver: 01/16/2019

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-173865-1
Client Project/Site: Roxy Cleaners #442024

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Jenelle Gaylord

Authorized for release by:
8/28/2020 9:55:18 AM
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@Eurofinset.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
Judy.Stone@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-173865-1
Project/Site: Roxy Cleaners #442024

Qualifiers

GC/MS VOA

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

General Chemistry

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
b	Result Detected in the Unseeded Control blank (USB).
H	Sample was prepped or analyzed beyond the specified holding time
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173865-1

Job ID: 480-173865-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-173865-1

Comments
No additional comments.

Receipt
The samples were received on 8/15/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.2º C and 3.5º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-1 (480-173865-1) and RW-3 (480-173865-3). Elevated reporting limits (RLs) are provided.

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

General Chemistry
Method SM 2540C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: RW-1 (480-173865-1). The reporting limits (RLs) have been adjusted proportionately.

Method 351.2: The method blank for preparation batch 480-545656 and analytical batch 480-545845 was more negative than reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.(460-215950-C-1-A)

Method 351.2: The laboratory control sample (LCS) for preparation batch 480-546027 and analytical batch 480-546275 recovered outside control limits for the following analytes: Total Kjeldahl Nitrogen. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.RW-3 (480-173865-3), DUP (480-173865-4), (480-173831-C-3-B), (480-173831-C-3-C MS), (480-173831-C-4-D) and (480-173831-C-4-E DU)

Methods 9040B, 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: RW-1 (480-173865-1), RW-2 (480-173865-2), RW-3 (480-173865-3), DUP (480-173865-4) and EFFLUENT (480-173865-5).

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

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173865-1

Client Sample ID: RW-1

Date Collected: 08/14/20 10:05
Date Received: 08/15/20 08:00

Lab Sample ID: 480-173865-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			08/19/20 12:56	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			08/19/20 12:56	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			08/19/20 12:56	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			08/19/20 12:56	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			08/19/20 12:56	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			08/19/20 12:56	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			08/19/20 12:56	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			08/19/20 12:56	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			08/19/20 12:56	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			08/19/20 12:56	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			08/19/20 12:56	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			08/19/20 12:56	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			08/19/20 12:56	5
2-Butanone (MEK)	**1100**		50	6.6	ug/L			08/19/20 12:56	5
2-Hexanone	ND		25	6.2	ug/L			08/19/20 12:56	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			08/19/20 12:56	5
Acetone	**1400**		50	15	ug/L			08/19/20 12:56	5
Benzene	ND		5.0	2.1	ug/L			08/19/20 12:56	5
Bromodichloromethane	ND		5.0	2.0	ug/L			08/19/20 12:56	5
Bromoform	ND		5.0	1.3	ug/L			08/19/20 12:56	5
Bromomethane	ND		5.0	3.5	ug/L			08/19/20 12:56	5
Carbon disulfide	ND		5.0	0.95	ug/L			08/19/20 12:56	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			08/19/20 12:56	5
Chlorobenzene	ND		5.0	3.8	ug/L			08/19/20 12:56	5
Dibromochloromethane	ND		5.0	1.6	ug/L			08/19/20 12:56	5
Chloroethane	ND		5.0	1.6	ug/L			08/19/20 12:56	5
Chloroform	ND		5.0	1.7	ug/L			08/19/20 12:56	5
Chloromethane	ND		5.0	1.8	ug/L			08/19/20 12:56	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			08/19/20 12:56	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			08/19/20 12:56	5
Cyclohexane	ND		5.0	0.90	ug/L			08/19/20 12:56	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			08/19/20 12:56	5
Ethylbenzene	ND		5.0	3.7	ug/L			08/19/20 12:56	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			08/19/20 12:56	5
Isopropylbenzene	ND		5.0	4.0	ug/L			08/19/20 12:56	5
Methyl acetate	ND		13	6.5	ug/L			08/19/20 12:56	5
Methyl tert-butyl ether	**8.2**		5.0	0.80	ug/L			08/19/20 12:56	5
Methylcyclohexane	ND		5.0	0.80	ug/L			08/19/20 12:56	5
Methylene Chloride	ND		5.0	2.2	ug/L			08/19/20 12:56	5
Styrene	ND		5.0	3.7	ug/L			08/19/20 12:56	5
Tetrachloroethene	ND		5.0	1.8	ug/L			08/19/20 12:56	5
Toluene	ND		5.0	2.6	ug/L			08/19/20 12:56	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			08/19/20 12:56	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			08/19/20 12:56	5
Trichloroethene	ND		5.0	2.3	ug/L			08/19/20 12:56	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			08/19/20 12:56	5
Vinyl chloride	ND		5.0	4.5	ug/L			08/19/20 12:56	5
Xylenes, Total	ND		10	3.3	ug/L			08/19/20 12:56	5

Client Sample ID: RW-1

Date Collected: 08/14/20 10:05
Date Received: 08/15/20 08:00

Lab Sample ID: 480-173865-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*08/19/20 12:56*	*5*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*08/19/20 12:56*	*5*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*08/19/20 12:56*	*5*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*08/19/20 12:56*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.016**	**J**	0.020	0.0090	mg/L			08/17/20 10:31	1
Total Kjeldahl Nitrogen	**0.75**		0.20	0.15	mg/L		08/23/20 10:36	08/24/20 09:52	1
Total Dissolved Solids	**1990**		20.0	8.0	mg/L			08/18/20 17:07	1
Biochemical Oxygen Demand	**601**	**H b**	200	200	mg/L			08/22/20 07:12	1
Total Organic Carbon	**26.4**		1.0	0.43	mg/L			08/16/20 05:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**43.6**		4.0	4.0	mg/L			08/14/20 18:19	1
pH	**7.1**	**HF**	0.1	0.1	SU			08/20/20 16:03	1
Temperature	**7.7**	**HF**	0.001	0.001	Degrees C			08/20/20 16:03	1

Client Sample ID: RW-2

Date Collected: 08/14/20 10:10
Date Received: 08/15/20 08:00

Lab Sample ID: 480-173865-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 13:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 13:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 13:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 13:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 13:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 13:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 13:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 13:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 13:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 13:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 13:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 13:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 13:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 13:21	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 13:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 13:21	1
Acetone	ND		10	3.0	ug/L			08/19/20 13:21	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 13:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 13:21	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 13:21	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 13:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 13:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 13:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 13:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 13:21	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 13:21	1
Chloroform	**0.50**	**J**	1.0	0.34	ug/L			08/19/20 13:21	1

Client Sample ID: RW-2

Date Collected: 08/14/20 10:10
Date Received: 08/15/20 08:00

Lab Sample ID: 480-173865-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 13:21	1
cis-1,2-Dichloroethene	**7.5**		1.0	0.81	ug/L			08/19/20 13:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 13:21	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 13:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 13:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 13:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 13:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 13:21	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 13:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 13:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 13:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 13:21	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 13:21	1
Tetrachloroethene	**25**		1.0	0.36	ug/L			08/19/20 13:21	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 13:21	1
trans-1,2-Dichloroethene	**1.6**		1.0	0.90	ug/L			08/19/20 13:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 13:21	1
Trichloroethene	**7.1**		1.0	0.46	ug/L			08/19/20 13:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 13:21	1
Vinyl chloride	**6.7**		1.0	0.90	ug/L			08/19/20 13:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/19/20 13:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*08/19/20 13:21*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/19/20 13:21*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 123*		*08/19/20 13:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.10**		0.020	0.0090	mg/L			08/17/20 10:32	1
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		08/23/20 10:36	08/24/20 09:52	1
Total Dissolved Solids	**341**		10.0	4.0	mg/L			08/18/20 17:07	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			08/16/20 08:15	1
Total Organic Carbon	**10.1**		1.0	0.43	mg/L			08/16/20 06:33	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/14/20 18:19	1
pH	**7.3**	**HF**	0.1	0.1	SU			08/20/20 16:05	1
Temperature	**7.8**	**HF**	0.001	0.001	Degrees C			08/20/20 16:05	1

Client Sample ID: RW-3

Date Collected: 08/14/20 10:15
Date Received: 08/15/20 08:00

Lab Sample ID: 480-173865-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			08/19/20 13:45	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			08/19/20 13:45	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			08/19/20 13:45	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			08/19/20 13:45	4

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173865-1

Client Sample ID: RW-3
Date Collected: 08/14/20 10:15
Date Received: 08/15/20 08:00

Lab Sample ID: 480-173865-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		4.0	1.5	ug/L			08/19/20 13:45	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			08/19/20 13:45	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			08/19/20 13:45	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			08/19/20 13:45	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			08/19/20 13:45	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			08/19/20 13:45	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			08/19/20 13:45	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			08/19/20 13:45	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			08/19/20 13:45	4
2-Butanone (MEK)	ND		40	5.3	ug/L			08/19/20 13:45	4
2-Hexanone	ND		20	5.0	ug/L			08/19/20 13:45	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			08/19/20 13:45	4
Acetone	ND		40	12	ug/L			08/19/20 13:45	4
Benzene	ND		4.0	1.6	ug/L			08/19/20 13:45	4
Bromodichloromethane	ND		4.0	1.6	ug/L			08/19/20 13:45	4
Bromoform	ND		4.0	1.0	ug/L			08/19/20 13:45	4
Bromomethane	ND		4.0	2.8	ug/L			08/19/20 13:45	4
Carbon disulfide	ND		4.0	0.76	ug/L			08/19/20 13:45	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			08/19/20 13:45	4
Chlorobenzene	ND		4.0	3.0	ug/L			08/19/20 13:45	4
Dibromochloromethane	ND		4.0	1.3	ug/L			08/19/20 13:45	4
Chloroethane	ND		4.0	1.3	ug/L			08/19/20 13:45	4
Chloroform	ND		4.0	1.4	ug/L			08/19/20 13:45	4
Chloromethane	ND		4.0	1.4	ug/L			08/19/20 13:45	4
cis-1,2-Dichloroethene	**5.7**		4.0	3.2	ug/L			08/19/20 13:45	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			08/19/20 13:45	4
Cyclohexane	ND		4.0	0.72	ug/L			08/19/20 13:45	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			08/19/20 13:45	4
Ethylbenzene	ND		4.0	3.0	ug/L			08/19/20 13:45	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			08/19/20 13:45	4
Isopropylbenzene	ND		4.0	3.2	ug/L			08/19/20 13:45	4
Methyl acetate	ND		10	5.2	ug/L			08/19/20 13:45	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			08/19/20 13:45	4
Methylcyclohexane	ND		4.0	0.64	ug/L			08/19/20 13:45	4
Methylene Chloride	ND		4.0	1.8	ug/L			08/19/20 13:45	4
Styrene	ND		4.0	2.9	ug/L			08/19/20 13:45	4
Tetrachloroethene	**170**		4.0	1.4	ug/L			08/19/20 13:45	4
Toluene	ND		4.0	2.0	ug/L			08/19/20 13:45	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			08/19/20 13:45	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			08/19/20 13:45	4
Trichloroethene	**2.7**	**J**	4.0	1.8	ug/L			08/19/20 13:45	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			08/19/20 13:45	4
Vinyl chloride	ND		4.0	3.6	ug/L			08/19/20 13:45	4
Xylenes, Total	ND		8.0	2.6	ug/L			08/19/20 13:45	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*08/19/20 13:45*	*4*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*08/19/20 13:45*	*4*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*08/19/20 13:45*	*4*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*08/19/20 13:45*	*4*

Client Sample ID: RW-3

Lab Sample ID: 480-173865-3

Date Collected: 08/14/20 10:15

Matrix: Water

Date Received: 08/15/20 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			08/17/20 10:32	1
Total Kjeldahl Nitrogen	ND	*	0.20	0.15	mg/L		08/20/20 10:19	08/21/20 08:41	1
Total Dissolved Solids	**466**		10.0	4.0	mg/L			08/18/20 17:07	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			08/16/20 08:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/14/20 18:19	1
pH	**7.2**	**HF**	0.1	0.1	SU			08/20/20 16:08	1
Temperature	**8.0**	**HF**	0.001	0.001	Degrees C			08/20/20 16:08	1

Client Sample ID: DUP

Lab Sample ID: 480-173865-4

Date Collected: 08/14/20 10:20

Matrix: Water

Date Received: 08/15/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 14:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 14:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 14:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 14:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 14:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 14:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 14:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 14:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 14:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 14:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 14:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 14:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 14:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 14:09	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 14:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 14:09	1
Acetone	ND		10	3.0	ug/L			08/19/20 14:09	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 14:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 14:09	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 14:09	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 14:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 14:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 14:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 14:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 14:09	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 14:09	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 14:09	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 14:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 14:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 14:09	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 14:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 14:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 14:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 14:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 14:09	1

Client Sample ID: DUP

Date Collected: 08/14/20 10:20
Date Received: 08/15/20 08:00

Lab Sample ID: 480-173865-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 14:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 14:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 14:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 14:09	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 14:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 14:09	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 14:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 14:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 14:09	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 14:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 14:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 14:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/19/20 14:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*08/19/20 14:09*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*08/19/20 14:09*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 123*		*08/19/20 14:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			08/17/20 10:33	1
Total Kjeldahl Nitrogen	ND	*	0.20	0.15	mg/L		08/20/20 10:19	08/21/20 08:49	1
Total Dissolved Solids	**505**		10.0	4.0	mg/L			08/18/20 17:07	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			08/16/20 08:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/14/20 18:19	1
pH	**8.1**	**HF**	0.1	0.1	SU			08/20/20 16:11	1
Temperature	**8.1**	**HF**	0.001	0.001	Degrees C			08/20/20 16:11	1

Client Sample ID: EFFLUENT

Date Collected: 08/14/20 10:00
Date Received: 08/15/20 08:00

Lab Sample ID: 480-173865-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 14:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 14:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 14:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 14:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 14:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 14:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 14:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 14:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 14:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 14:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 14:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 14:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 14:34	1

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173865-1

Client Sample ID: EFFLUENT

Date Collected: 08/14/20 10:00
Date Received: 08/15/20 08:00

Lab Sample ID: 480-173865-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 14:34	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 14:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 14:34	1
Acetone	ND		10	3.0	ug/L			08/19/20 14:34	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 14:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 14:34	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 14:34	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 14:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 14:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 14:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 14:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 14:34	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 14:34	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 14:34	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 14:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 14:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 14:34	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 14:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 14:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 14:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 14:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 14:34	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 14:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 14:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 14:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 14:34	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 14:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 14:34	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 14:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 14:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 14:34	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 14:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 14:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 14:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/19/20 14:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*08/19/20 14:34*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*08/19/20 14:34*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*08/19/20 14:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			08/17/20 10:34	1
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		08/23/20 10:36	08/24/20 09:52	1
Total Dissolved Solids	**478**		10.0	4.0	mg/L			08/18/20 17:07	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			08/16/20 08:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**6.0**		4.0	4.0	mg/L			08/14/20 18:19	1

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173865-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-173865-5

Date Collected: 08/14/20 10:00

Matrix: Water

Date Received: 08/15/20 08:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1	HF	0.1	0.1	SU			08/20/20 16:14	1
Temperature	8.1	HF	0.001	0.001	Degrees C			08/20/20 16:14	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-173865-6

Date Collected: 08/14/20 10:25

Matrix: Water

Date Received: 08/15/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 14:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 14:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 14:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 14:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 14:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 14:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 14:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 14:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 14:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 14:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 14:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 14:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 14:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 14:58	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 14:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 14:58	1
Acetone	ND		10	3.0	ug/L			08/19/20 14:58	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 14:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 14:58	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 14:58	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 14:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 14:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 14:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 14:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 14:58	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 14:58	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 14:58	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 14:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 14:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 14:58	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 14:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 14:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 14:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 14:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 14:58	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 14:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 14:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 14:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 14:58	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 14:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 14:58	1

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173865-1

Client Sample ID: TRIP BLANK
Date Collected: 08/14/20 10:25
Date Received: 08/15/20 08:00

Lab Sample ID: 480-173865-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			08/19/20 14:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 14:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 14:58	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 14:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 14:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 14:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*08/19/20 14:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*08/19/20 14:58*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*08/19/20 14:58*	*1*
Dibromofluoromethane (Surr)	*119*		*75 - 123*		*08/19/20 14:58*	*1*

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173865-1

Client Sample ID: RW-1

Lab Sample ID: 480-173865-1
Matrix: Water
Date Collected: 08/14/20 10:05
Date Received: 08/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	545755	08/19/20 12:56	CRL	TAL BUF
Total/NA	Analysis	350.1		1	545440	08/17/20 10:31	CLT	TAL BUF
Total/NA	Prep	351.2			546399	08/23/20 10:36	KEB	TAL BUF
Total/NA	Analysis	351.2		1	546556	08/24/20 09:52	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	545705	08/18/20 17:07	E1T	TAL BUF
Total/NA	Analysis	SM 2540D		1	545289	08/14/20 18:19	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	546129	08/20/20 16:03	JRF	TAL BUF
Total/NA	Analysis	SM 5210B		1	546388	08/22/20 07:12	EY	TAL BUF
Total/NA	Analysis	SM 5310C		1	545629	08/16/20 05:43	CLA	TAL BUF

Client Sample ID: RW-2

Lab Sample ID: 480-173865-2
Matrix: Water
Date Collected: 08/14/20 10:10
Date Received: 08/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545755	08/19/20 13:21	CRL	TAL BUF
Total/NA	Analysis	350.1		1	545440	08/17/20 10:32	CLT	TAL BUF
Total/NA	Prep	351.2			546399	08/23/20 10:36	KEB	TAL BUF
Total/NA	Analysis	351.2		1	546556	08/24/20 09:52	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	545705	08/18/20 17:07	E1T	TAL BUF
Total/NA	Analysis	SM 2540D		1	545289	08/14/20 18:19	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	546129	08/20/20 16:05	JRF	TAL BUF
Total/NA	Analysis	SM 5210B		1	545352	08/16/20 08:15	MJB	TAL BUF
Total/NA	Analysis	SM 5310C		1	545629	08/16/20 06:33	CLA	TAL BUF

Client Sample ID: RW-3

Lab Sample ID: 480-173865-3
Matrix: Water
Date Collected: 08/14/20 10:15
Date Received: 08/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	545755	08/19/20 13:45	CRL	TAL BUF
Total/NA	Analysis	350.1		1	545440	08/17/20 10:32	CLT	TAL BUF
Total/NA	Prep	351.2			546027	08/20/20 10:19	KEB	TAL BUF
Total/NA	Analysis	351.2		1	546275	08/21/20 08:41	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	545705	08/18/20 17:07	E1T	TAL BUF
Total/NA	Analysis	SM 2540D		1	545289	08/14/20 18:19	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	546129	08/20/20 16:08	JRF	TAL BUF
Total/NA	Analysis	SM 5210B		1	545352	08/16/20 08:15	MJB	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173865-1

Client Sample ID: DUP

Lab Sample ID: 480-173865-4

Date Collected: 08/14/20 10:20

Matrix: Water

Date Received: 08/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545755	08/19/20 14:09	CRL	TAL BUF
Total/NA	Analysis	350.1		1	545440	08/17/20 10:33	CLT	TAL BUF
Total/NA	Prep	351.2			546027	08/20/20 10:19	KEB	TAL BUF
Total/NA	Analysis	351.2		1	546275	08/21/20 08:49	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	545705	08/18/20 17:07	E1T	TAL BUF
Total/NA	Analysis	SM 2540D		1	545289	08/14/20 18:19	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	546129	08/20/20 16:11	JRF	TAL BUF
Total/NA	Analysis	SM 5210B		1	545352	08/16/20 08:15	MJB	TAL BUF

Client Sample ID: EFFLUENT

Lab Sample ID: 480-173865-5

Date Collected: 08/14/20 10:00

Matrix: Water

Date Received: 08/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545755	08/19/20 14:34	CRL	TAL BUF
Total/NA	Analysis	350.1		1	545440	08/17/20 10:34	CLT	TAL BUF
Total/NA	Prep	351.2			546399	08/23/20 10:36	KEB	TAL BUF
Total/NA	Analysis	351.2		1	546556	08/24/20 09:52	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	545705	08/18/20 17:07	E1T	TAL BUF
Total/NA	Analysis	SM 2540D		1	545289	08/14/20 18:19	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	546129	08/20/20 16:14	JRF	TAL BUF
Total/NA	Analysis	SM 5210B		1	545352	08/16/20 08:15	MJB	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-173865-6

Date Collected: 08/14/20 10:25

Matrix: Water

Date Received: 08/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545755	08/19/20 14:58	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-173865-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

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

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

Method Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173865-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF
SM 5310C	TOC	SM	TAL BUF
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173865-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173865-1	RW-1	Water	08/14/20 10:05	08/15/20 08:00	
480-173865-2	RW-2	Water	08/14/20 10:10	08/15/20 08:00	
480-173865-3	RW-3	Water	08/14/20 10:15	08/15/20 08:00	
480-173865-4	DUP	Water	08/14/20 10:20	08/15/20 08:00	
480-173865-5	EFFLUENT	Water	08/14/20 10:00	08/15/20 08:00	
480-173865-6	TRIP BLANK	Water	08/14/20 10:25	08/15/20 08:00	

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-173865-1

Login Number: 173865 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Andrew Talbot	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-145906-30092.1
Client Contact: Jessica Marcy	Phone: 518-470-0411	E-Mail: Judy.Stone@Eurofinset.com		

Company: Aztech Technologies Inc

Address: 5 McCrea Hill Road
City: Ballston Spa
State, Zip: NY, 12020
Phone:
Email: jmarcy@aztechenv.com
Project Name: Roxy Cleaners #442024
Site:

Due Date Requested:
TAT Requested (days): Standard
PO #: Call Out 137243
WO #:
Project #: 48020662
SSOW#:

480-173865 Chain of Custody

Analysis

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	A	A		
RW-1	8/14/20	10:05	G	Water	N	N	X		X		
RW-2		10:10	G	Water	N	N	X		X		
RW-3		10:15	G	Water	N	N	X				
DUP		10:20	G	Water	N	N	X				
Effluent		10:00	G	Water	N	N	X				
Trip Blank		10:25	G	Water	N	N		X			
				Water							
				Water							
				Water							

Codes:
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8/14/20 10:30	Aztech	Karl Jaden	8/14/20 1350	Eurofin
2	Karl Jaden	8/14/20 1700				
3					8/15/20 800	TMT

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.5 3.2 #1

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Binary #224

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Andrew Talbot	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-148753-33117.1
Client Contact: Jessica Marcy	Phone: 518-470-0411	E-Mail: Judy.Stone@Eurofinset.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days): Standard			
State, Zip: NY, 12020				
Phone:	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_H+ - pH	5210B - BOD	2540C_Calcd - TDS	2540D - TSS	350.1, 351.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	S		
RW-1	8/14/20	10:05	G	Water	N	N	X	X	X	X	X		
RW-2		10:10	G	Water	N	N	X	X	X	X	X		
RW-3		10:15	G	Water	N	N	X	X	X	X	X		
DUP		10:20	G	Water	N	N	X	X	X	X	X		
Effluent		10:00	G	Water	N	N	X	X	X	X	X		

Possible Hazard Identification

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

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

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8/14/20 1030	Aztech	Karl Zaehr	8/14/20 1350	Eurofins
Relinquished by: Karl Zaehr	Date/Time: 8/14/20 1700	Company Eurofins	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/15/20 900	Company FAT

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		3.5 3.2 #1

Ver: 01/16/2019

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-174768-1
Client Project/Site: Roxy Cleaners #442024

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Jenelle Gaylord

Authorized for release by:
9/16/2020 10:12:21 AM
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@Eurofinset.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
Judy.Stone@Eurofinset.com

LINKS

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-174768-1

Qualifiers

GC/MS VOA

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

General Chemistry

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

Glossary

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

Job ID: 480-174768-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-174768-1

Comments
No additional comments.

Receipt
The samples were received on 9/5/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-1 (480-174768-1), RW-3 (480-174768-3), (480-174768-A-1 MS) and (480-174768-A-1 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-548447 was outside the method criteria for the following analyte: 2-Butanone (MEK). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated sample is impacted: RW-1 (480-174768-1).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-548447 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: RW-2 (480-174768-2), RW-3 (480-174768-3), EFFLUENT (480-174768-5) and TRIP BLANK (480-174768-6).

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

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

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-174768-1

Client Sample ID: RW-1

Date Collected: 09/04/20 13:06
Date Received: 09/05/20 08:00

Lab Sample ID: 480-174768-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			09/08/20 16:09	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			09/08/20 16:09	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			09/08/20 16:09	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			09/08/20 16:09	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			09/08/20 16:09	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			09/08/20 16:09	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			09/08/20 16:09	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			09/08/20 16:09	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			09/08/20 16:09	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			09/08/20 16:09	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			09/08/20 16:09	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			09/08/20 16:09	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			09/08/20 16:09	5
2-Butanone (MEK)	**1300**		50	6.6	ug/L			09/08/20 16:09	5
2-Hexanone	ND		25	6.2	ug/L			09/08/20 16:09	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			09/08/20 16:09	5
Acetone	**1500**		50	15	ug/L			09/08/20 16:09	5
Benzene	ND		5.0	2.1	ug/L			09/08/20 16:09	5
Bromodichloromethane	ND		5.0	2.0	ug/L			09/08/20 16:09	5
Bromoform	ND		5.0	1.3	ug/L			09/08/20 16:09	5
Bromomethane	ND		5.0	3.5	ug/L			09/08/20 16:09	5
Carbon disulfide	ND		5.0	0.95	ug/L			09/08/20 16:09	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			09/08/20 16:09	5
Chlorobenzene	ND		5.0	3.8	ug/L			09/08/20 16:09	5
Dibromochloromethane	ND		5.0	1.6	ug/L			09/08/20 16:09	5
Chloroethane	ND		5.0	1.6	ug/L			09/08/20 16:09	5
Chloroform	ND		5.0	1.7	ug/L			09/08/20 16:09	5
Chloromethane	ND		5.0	1.8	ug/L			09/08/20 16:09	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			09/08/20 16:09	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			09/08/20 16:09	5
Cyclohexane	ND		5.0	0.90	ug/L			09/08/20 16:09	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			09/08/20 16:09	5
Ethylbenzene	ND		5.0	3.7	ug/L			09/08/20 16:09	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			09/08/20 16:09	5
Isopropylbenzene	ND		5.0	4.0	ug/L			09/08/20 16:09	5
Methyl acetate	ND		13	6.5	ug/L			09/08/20 16:09	5
Methyl tert-butyl ether	**7.8**		5.0	0.80	ug/L			09/08/20 16:09	5
Methylcyclohexane	ND		5.0	0.80	ug/L			09/08/20 16:09	5
Methylene Chloride	ND		5.0	2.2	ug/L			09/08/20 16:09	5
Styrene	ND		5.0	3.7	ug/L			09/08/20 16:09	5
Tetrachloroethene	ND		5.0	1.8	ug/L			09/08/20 16:09	5
Toluene	ND		5.0	2.6	ug/L			09/08/20 16:09	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			09/08/20 16:09	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			09/08/20 16:09	5
Trichloroethene	ND		5.0	2.3	ug/L			09/08/20 16:09	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			09/08/20 16:09	5
Vinyl chloride	ND		5.0	4.5	ug/L			09/08/20 16:09	5
Xylenes, Total	ND		10	3.3	ug/L			09/08/20 16:09	5

Client Sample ID: RW-1

Date Collected: 09/04/20 13:06
Date Received: 09/05/20 08:00

Lab Sample ID: 480-174768-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/08/20 16:09*	*5*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/08/20 16:09*	*5*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/08/20 16:09*	*5*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/08/20 16:09*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**244**		4.0	1.7	mg/L			09/12/20 19:09	4

Client Sample ID: RW-2

Date Collected: 09/04/20 13:10
Date Received: 09/05/20 08:00

Lab Sample ID: 480-174768-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/08/20 16:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/08/20 16:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/08/20 16:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/08/20 16:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/08/20 16:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/08/20 16:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/08/20 16:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/08/20 16:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/08/20 16:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/08/20 16:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/08/20 16:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/08/20 16:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/08/20 16:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/08/20 16:32	1
2-Hexanone	ND		5.0	1.2	ug/L			09/08/20 16:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/08/20 16:32	1
Acetone	**5.4**	**J**	10	3.0	ug/L			09/08/20 16:32	1
Benzene	ND		1.0	0.41	ug/L			09/08/20 16:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/08/20 16:32	1
Bromoform	ND		1.0	0.26	ug/L			09/08/20 16:32	1
Bromomethane	ND		1.0	0.69	ug/L			09/08/20 16:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/08/20 16:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/08/20 16:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/08/20 16:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/08/20 16:32	1
Chloroethane	ND		1.0	0.32	ug/L			09/08/20 16:32	1
Chloroform	**0.45**	**J**	1.0	0.34	ug/L			09/08/20 16:32	1
Chloromethane	ND		1.0	0.35	ug/L			09/08/20 16:32	1
cis-1,2-Dichloroethene	**4.4**		1.0	0.81	ug/L			09/08/20 16:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/08/20 16:32	1
Cyclohexane	ND		1.0	0.18	ug/L			09/08/20 16:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/08/20 16:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/08/20 16:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/08/20 16:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/08/20 16:32	1
Methyl acetate	ND		2.5	1.3	ug/L			09/08/20 16:32	1

Client Sample ID: RW-2

Lab Sample ID: 480-174768-2

Date Collected: 09/04/20 13:10
Date Received: 09/05/20 08:00

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/08/20 16:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/08/20 16:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/08/20 16:32	1
Styrene	ND		1.0	0.73	ug/L			09/08/20 16:32	1
Tetrachloroethene	**40**		1.0	0.36	ug/L			09/08/20 16:32	1
Toluene	ND		1.0	0.51	ug/L			09/08/20 16:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/08/20 16:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/08/20 16:32	1
Trichloroethene	**3.4**		1.0	0.46	ug/L			09/08/20 16:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/08/20 16:32	1
Vinyl chloride	**1.3**		1.0	0.90	ug/L			09/08/20 16:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/08/20 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/08/20 16:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/08/20 16:32*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/08/20 16:32*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/08/20 16:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**0.63**	**J**	1.0	0.43	mg/L			09/13/20 05:39	1

Client Sample ID: RW-3

Lab Sample ID: 480-174768-3

Date Collected: 09/04/20 13:15
Date Received: 09/05/20 08:00

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			09/08/20 16:55	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			09/08/20 16:55	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			09/08/20 16:55	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			09/08/20 16:55	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			09/08/20 16:55	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			09/08/20 16:55	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			09/08/20 16:55	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			09/08/20 16:55	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			09/08/20 16:55	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			09/08/20 16:55	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			09/08/20 16:55	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			09/08/20 16:55	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			09/08/20 16:55	4
2-Butanone (MEK)	ND		40	5.3	ug/L			09/08/20 16:55	4
2-Hexanone	ND		20	5.0	ug/L			09/08/20 16:55	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			09/08/20 16:55	4
Acetone	ND		40	12	ug/L			09/08/20 16:55	4
Benzene	ND		4.0	1.6	ug/L			09/08/20 16:55	4
Bromodichloromethane	ND		4.0	1.6	ug/L			09/08/20 16:55	4
Bromoform	ND		4.0	1.0	ug/L			09/08/20 16:55	4
Bromomethane	ND		4.0	2.8	ug/L			09/08/20 16:55	4

Client Sample ID: RW-3

Lab Sample ID: 480-174768-3

Date Collected: 09/04/20 13:15

Matrix: Water

Date Received: 09/05/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			09/08/20 16:55	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			09/08/20 16:55	4
Chlorobenzene	ND		4.0	3.0	ug/L			09/08/20 16:55	4
Dibromochloromethane	ND		4.0	1.3	ug/L			09/08/20 16:55	4
Chloroethane	ND		4.0	1.3	ug/L			09/08/20 16:55	4
Chloroform	ND		4.0	1.4	ug/L			09/08/20 16:55	4
Chloromethane	ND		4.0	1.4	ug/L			09/08/20 16:55	4
cis-1,2-Dichloroethene	**6.2**		4.0	3.2	ug/L			09/08/20 16:55	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			09/08/20 16:55	4
Cyclohexane	ND		4.0	0.72	ug/L			09/08/20 16:55	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			09/08/20 16:55	4
Ethylbenzene	ND		4.0	3.0	ug/L			09/08/20 16:55	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			09/08/20 16:55	4
Isopropylbenzene	ND		4.0	3.2	ug/L			09/08/20 16:55	4
Methyl acetate	ND		10	5.2	ug/L			09/08/20 16:55	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			09/08/20 16:55	4
Methylcyclohexane	ND		4.0	0.64	ug/L			09/08/20 16:55	4
Methylene Chloride	ND		4.0	1.8	ug/L			09/08/20 16:55	4
Styrene	ND		4.0	2.9	ug/L			09/08/20 16:55	4
Tetrachloroethene	**190**		4.0	1.4	ug/L			09/08/20 16:55	4
Toluene	ND		4.0	2.0	ug/L			09/08/20 16:55	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			09/08/20 16:55	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			09/08/20 16:55	4
Trichloroethene	**2.8**	**J**	4.0	1.8	ug/L			09/08/20 16:55	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			09/08/20 16:55	4
Vinyl chloride	ND		4.0	3.6	ug/L			09/08/20 16:55	4
Xylenes, Total	ND		8.0	2.6	ug/L			09/08/20 16:55	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/08/20 16:55*	*4*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/08/20 16:55*	*4*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/08/20 16:55*	*4*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/08/20 16:55*	*4*

Client Sample ID: DUP

Lab Sample ID: 480-174768-4

Date Collected: 09/04/20 13:20

Matrix: Water

Date Received: 09/05/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/09/20 11:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/09/20 11:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/09/20 11:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/09/20 11:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/09/20 11:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/09/20 11:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/09/20 11:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/09/20 11:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/09/20 11:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/09/20 11:58	1

Client Sample ID: DUP

Date Collected: 09/04/20 13:20
Date Received: 09/05/20 08:00

Lab Sample ID: 480-174768-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/09/20 11:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/09/20 11:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/09/20 11:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/09/20 11:58	1
2-Hexanone	ND		5.0	1.2	ug/L			09/09/20 11:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/09/20 11:58	1
Acetone	**5.9**	**J**	10	3.0	ug/L			09/09/20 11:58	1
Benzene	ND		1.0	0.41	ug/L			09/09/20 11:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/09/20 11:58	1
Bromoform	ND		1.0	0.26	ug/L			09/09/20 11:58	1
Bromomethane	ND		1.0	0.69	ug/L			09/09/20 11:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/09/20 11:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/09/20 11:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/09/20 11:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/09/20 11:58	1
Chloroethane	ND		1.0	0.32	ug/L			09/09/20 11:58	1
Chloroform	ND		1.0	0.34	ug/L			09/09/20 11:58	1
Chloromethane	ND		1.0	0.35	ug/L			09/09/20 11:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/09/20 11:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/09/20 11:58	1
Cyclohexane	ND		1.0	0.18	ug/L			09/09/20 11:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/09/20 11:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/09/20 11:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/09/20 11:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/09/20 11:58	1
Methyl acetate	ND		2.5	1.3	ug/L			09/09/20 11:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/09/20 11:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/09/20 11:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/09/20 11:58	1
Styrene	ND		1.0	0.73	ug/L			09/09/20 11:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/09/20 11:58	1
Toluene	ND		1.0	0.51	ug/L			09/09/20 11:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/09/20 11:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/09/20 11:58	1
Trichloroethene	ND		1.0	0.46	ug/L			09/09/20 11:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/09/20 11:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/09/20 11:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/09/20 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/09/20 11:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/09/20 11:58*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/09/20 11:58*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/09/20 11:58*	*1*

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-174768-1

Client Sample ID: EFFLUENT

Date Collected: 09/04/20 13:00
Date Received: 09/05/20 08:00

Lab Sample ID: 480-174768-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/08/20 17:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/08/20 17:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/08/20 17:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/08/20 17:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/08/20 17:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/08/20 17:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/08/20 17:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/08/20 17:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/08/20 17:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/08/20 17:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/08/20 17:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/08/20 17:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/08/20 17:41	1
2-Butanone (MEK)	**8.5**	**J**	10	1.3	ug/L			09/08/20 17:41	1
2-Hexanone	ND		5.0	1.2	ug/L			09/08/20 17:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/08/20 17:41	1
Acetone	**14**		10	3.0	ug/L			09/08/20 17:41	1
Benzene	ND		1.0	0.41	ug/L			09/08/20 17:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/08/20 17:41	1
Bromoform	ND		1.0	0.26	ug/L			09/08/20 17:41	1
Bromomethane	ND		1.0	0.69	ug/L			09/08/20 17:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/08/20 17:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/08/20 17:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/08/20 17:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/08/20 17:41	1
Chloroethane	ND		1.0	0.32	ug/L			09/08/20 17:41	1
Chloroform	ND		1.0	0.34	ug/L			09/08/20 17:41	1
Chloromethane	ND		1.0	0.35	ug/L			09/08/20 17:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/08/20 17:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/08/20 17:41	1
Cyclohexane	ND		1.0	0.18	ug/L			09/08/20 17:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/08/20 17:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/08/20 17:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/08/20 17:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/08/20 17:41	1
Methyl acetate	ND		2.5	1.3	ug/L			09/08/20 17:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/08/20 17:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/08/20 17:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/08/20 17:41	1
Styrene	ND		1.0	0.73	ug/L			09/08/20 17:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/08/20 17:41	1
Toluene	ND		1.0	0.51	ug/L			09/08/20 17:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/08/20 17:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/08/20 17:41	1
Trichloroethene	ND		1.0	0.46	ug/L			09/08/20 17:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/08/20 17:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/08/20 17:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/08/20 17:41	1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-174768-5

Date Collected: 09/04/20 13:00

Matrix: Water

Date Received: 09/05/20 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/08/20 17:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/08/20 17:41*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/08/20 17:41*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/08/20 17:41*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-174768-6

Date Collected: 09/04/20 13:25

Matrix: Water

Date Received: 09/05/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/08/20 18:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/08/20 18:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/08/20 18:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/08/20 18:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/08/20 18:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/08/20 18:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/08/20 18:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/08/20 18:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/08/20 18:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/08/20 18:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/08/20 18:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/08/20 18:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/08/20 18:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/08/20 18:04	1
2-Hexanone	ND		5.0	1.2	ug/L			09/08/20 18:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/08/20 18:04	1
Acetone	ND		10	3.0	ug/L			09/08/20 18:04	1
Benzene	ND		1.0	0.41	ug/L			09/08/20 18:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/08/20 18:04	1
Bromoform	ND		1.0	0.26	ug/L			09/08/20 18:04	1
Bromomethane	ND		1.0	0.69	ug/L			09/08/20 18:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/08/20 18:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/08/20 18:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/08/20 18:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/08/20 18:04	1
Chloroethane	ND		1.0	0.32	ug/L			09/08/20 18:04	1
Chloroform	ND		1.0	0.34	ug/L			09/08/20 18:04	1
Chloromethane	ND		1.0	0.35	ug/L			09/08/20 18:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/08/20 18:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/08/20 18:04	1
Cyclohexane	ND		1.0	0.18	ug/L			09/08/20 18:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/08/20 18:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/08/20 18:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/08/20 18:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/08/20 18:04	1
Methyl acetate	ND		2.5	1.3	ug/L			09/08/20 18:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/08/20 18:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/08/20 18:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/08/20 18:04	1

Client: New York State D.E.C.
Job ID: 480-174768-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-174768-6
Date Collected: 09/04/20 13:25
Matrix: Water
Date Received: 09/05/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			09/08/20 18:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/08/20 18:04	1
Toluene	ND		1.0	0.51	ug/L			09/08/20 18:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/08/20 18:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/08/20 18:04	1
Trichloroethene	ND		1.0	0.46	ug/L			09/08/20 18:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/08/20 18:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/08/20 18:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/08/20 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/08/20 18:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/08/20 18:04*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/08/20 18:04*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/08/20 18:04*	*1*

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-174768-1

Client Sample ID: RW-1
Date Collected: 09/04/20 13:06
Date Received: 09/05/20 08:00

Lab Sample ID: 480-174768-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	548447	09/08/20 16:09	CRL	TAL BUF
Total/NA	Analysis	SM 5310C		4	549549	09/12/20 19:09	CLA	TAL BUF

Client Sample ID: RW-2
Date Collected: 09/04/20 13:10
Date Received: 09/05/20 08:00

Lab Sample ID: 480-174768-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	548447	09/08/20 16:32	CRL	TAL BUF
Total/NA	Analysis	SM 5310C		1	549549	09/13/20 05:39	CLA	TAL BUF

Client Sample ID: RW-3
Date Collected: 09/04/20 13:15
Date Received: 09/05/20 08:00

Lab Sample ID: 480-174768-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	548447	09/08/20 16:55	CRL	TAL BUF

Client Sample ID: DUP
Date Collected: 09/04/20 13:20
Date Received: 09/05/20 08:00

Lab Sample ID: 480-174768-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	548610	09/09/20 11:58	CRL	TAL BUF

Client Sample ID: EFFLUENT
Date Collected: 09/04/20 13:00
Date Received: 09/05/20 08:00

Lab Sample ID: 480-174768-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	548447	09/08/20 17:41	CRL	TAL BUF

Client Sample ID: TRIP BLANK
Date Collected: 09/04/20 13:25
Date Received: 09/05/20 08:00

Lab Sample ID: 480-174768-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	548447	09/08/20 18:04	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-174768-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

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

Method Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-174768-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-174768-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-174768-1	RW-1	Water	09/04/20 13:06	09/05/20 08:00	
480-174768-2	RW-2	Water	09/04/20 13:10	09/05/20 08:00	
480-174768-3	RW-3	Water	09/04/20 13:15	09/05/20 08:00	
480-174768-4	DUP	Water	09/04/20 13:20	09/05/20 08:00	
480-174768-5	EFFLUENT	Water	09/04/20 13:00	09/05/20 08:00	
480-174768-6	TRIP BLANK	Water	09/04/20 13:25	09/05/20 08:00	

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-174768-1

Login Number: 174768 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing America

Client Information	Sampler: Frank Zabel	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-145907-30092.1
Client Contact: Jessica Marcy	Phone: 518 470 0435	E-Mail: Judy.Stone@Eurofinset.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, M - Hexane, N - None, O - AsNaO2, P - Na2O4S
City: Ballston Spa	TAT Requested (days):			
State, Zip: NY, 12020				
Phone:	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

480-174768 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Number of	Special Instructions/Note:
			Preservation Code:				A	A	A		
RW-1	9/4/20	1306	G	Water			X		X		
RW-2	9/4/20	1310	G	Water			X		X		
RW-3	9/4/20	1315	G	Water			X				
DUP	9/4/20	1320	G	Water			X				
Effluent	9/4/20	1300	G	Water			X				
Trip Blank	9/4/20	1325	G	Water				X			
				Water							
				Water							
				Water							

9-4-2020

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Frank Zabel	9/4/20 1425	Aztech		9-4-2020 1425	EUROFINS TA
	9-4-2020 1700	EUROFINS TA		9/5/20 0800	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

ANALYTICAL REPORT

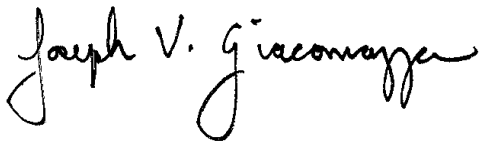
Job Number: 480-175955-1

Job Description: Roxy Cleaners #442024

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, NY 12233-7014

Attention: Jenelle Gaylord



Approved for release.
Joe V Giacomazza
Project Manager I
10/12/2020 11:34 AM

Designee for
Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
Judy.Stone@Eurofinset.com
10/12/2020

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

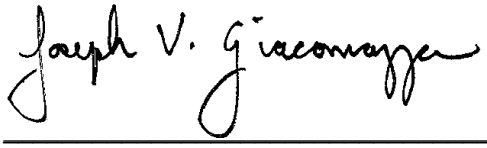
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

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

Job Number: 480-175955-1

Job Description: Roxy Cleaners #442024

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



Approved for release.
Joe V Giacomazza
Project Manager I
10/12/2020 11:34 AM

Designee for
Judy L Stone

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Job Narrative
480-175955-1

Comments
No additional comments.

Receipt
The samples were received on 10/3/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-1 (480-175955-1) and RW-3 (480-175955-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-552557 recovered outside acceptance criteria, low biased, for Chloromethane and 4-Methyl-2-pentanone (MIBK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-552557 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: DUP (480-175955-4).

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 480-552557 recovered outside control limits for the following analyte(s): Methyl acetate. Methyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

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

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

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

Glossary

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

Sample Summary

Client: New York State D.E.C.
Job ID: 480-175955-1
Project/Site: Roxy Cleaners #442024

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175955-1	RW-1	Water	10/02/20 13:05	10/03/20 10:00	
480-175955-2	RW-2	Water	10/02/20 13:10	10/03/20 10:00	
480-175955-3	RW-3	Water	10/02/20 13:15	10/03/20 10:00	
480-175955-4	DUP	Water	10/02/20 13:20	10/03/20 10:00	
480-175955-5	EFFLUENT	Water	10/02/20 13:00	10/03/20 10:00	
480-175955-6	TRIP BLANK	Water	10/02/20 00:00	10/03/20 10:00	

Detection Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-175955-1

Client Sample ID: RW-1 — Lab Sample ID: 480-175955-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	830		50	6.6	ug/L	5		8260C	Total/NA
Acetone	430		50	15	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	9.7		5.0	4.1	ug/L	5		8260C	Total/NA
Methyl tert-butyl ether	36		5.0	0.80	ug/L	5		8260C	Total/NA
Toluene	2.9	J	5.0	2.6	ug/L	5		8260C	Total/NA
Trichloroethene	4.9	J	5.0	2.3	ug/L	5		8260C	Total/NA
Vinyl chloride	5.1		5.0	4.5	ug/L	5		8260C	Total/NA
Total Organic Carbon	7.1		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: RW-2 — Lab Sample ID: 480-175955-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	29		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	14		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	6.8		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	7.2		1.0	0.90	ug/L	1		8260C	Total/NA
Total Organic Carbon	2.5		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: RW-3 — Lab Sample ID: 480-175955-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.7		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	200		4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	2.1	J	4.0	1.8	ug/L	4		8260C	Total/NA
Total Organic Carbon	0.50	J	1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: DUP — Lab Sample ID: 480-175955-4

No Detections.

Client Sample ID: EFFLUENT — Lab Sample ID: 480-175955-5

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-175955-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Job ID: 480-175955-1
Project/Site: Roxy Cleaners #442024

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Client Sample ID: RW-1
Lab Sample ID: 480-175955-1

Date Collected: 10/02/20 13:05
Matrix: Water

Date Received: 10/03/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/05/20 13:00	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/05/20 13:00	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/05/20 13:00	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/05/20 13:00	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/05/20 13:00	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/05/20 13:00	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/05/20 13:00	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/05/20 13:00	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/05/20 13:00	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/05/20 13:00	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/05/20 13:00	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/05/20 13:00	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/05/20 13:00	5
2-Butanone (MEK)	**830**		50	6.6	ug/L			10/05/20 13:00	5
2-Hexanone	ND		25	6.2	ug/L			10/05/20 13:00	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/05/20 13:00	5
Acetone	**430**		50	15	ug/L			10/05/20 13:00	5
Benzene	ND		5.0	2.1	ug/L			10/05/20 13:00	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/05/20 13:00	5
Bromoform	ND		5.0	1.3	ug/L			10/05/20 13:00	5
Bromomethane	ND		5.0	3.5	ug/L			10/05/20 13:00	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/05/20 13:00	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/05/20 13:00	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/05/20 13:00	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/05/20 13:00	5
Chloroethane	ND		5.0	1.6	ug/L			10/05/20 13:00	5
Chloroform	ND		5.0	1.7	ug/L			10/05/20 13:00	5
Chloromethane	ND		5.0	1.8	ug/L			10/05/20 13:00	5
cis-1,2-Dichloroethene	**9.7**		5.0	4.1	ug/L			10/05/20 13:00	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/05/20 13:00	5
Cyclohexane	ND		5.0	0.90	ug/L			10/05/20 13:00	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/05/20 13:00	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/05/20 13:00	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/05/20 13:00	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/05/20 13:00	5
Methyl acetate	ND		13	6.5	ug/L			10/05/20 13:00	5
Methyl tert-butyl ether	**36**		5.0	0.80	ug/L			10/05/20 13:00	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/05/20 13:00	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/05/20 13:00	5
Styrene	ND		5.0	3.7	ug/L			10/05/20 13:00	5
Tetrachloroethene	ND		5.0	1.8	ug/L			10/05/20 13:00	5
Toluene	**2.9**	**J**	5.0	2.6	ug/L			10/05/20 13:00	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/05/20 13:00	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/05/20 13:00	5
Trichloroethene	**4.9**	**J**	5.0	2.3	ug/L			10/05/20 13:00	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/05/20 13:00	5
Vinyl chloride	**5.1**		5.0	4.5	ug/L			10/05/20 13:00	5
Xylenes, Total	ND		10	3.3	ug/L			10/05/20 13:00	5

Client Sample ID: RW-1
Lab Sample ID: 480-175955-1

Date Collected: 10/02/20 13:05
Matrix: Water
Date Received: 10/03/20 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/05/20 13:00*	*5*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/05/20 13:00*	*5*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/05/20 13:00*	*5*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/05/20 13:00*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**7.1**		1.0	0.43	mg/L			10/07/20 18:26	1

Client Sample ID: RW-2
Lab Sample ID: 480-175955-2

Date Collected: 10/02/20 13:10
Matrix: Water
Date Received: 10/03/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/05/20 13:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/05/20 13:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/05/20 13:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/05/20 13:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/05/20 13:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/05/20 13:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/05/20 13:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/05/20 13:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/05/20 13:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/05/20 13:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/05/20 13:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/05/20 13:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/05/20 13:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/05/20 13:24	1
2-Hexanone	ND		5.0	1.2	ug/L			10/05/20 13:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/05/20 13:24	1
Acetone	ND		10	3.0	ug/L			10/05/20 13:24	1
Benzene	ND		1.0	0.41	ug/L			10/05/20 13:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/05/20 13:24	1
Bromoform	ND		1.0	0.26	ug/L			10/05/20 13:24	1
Bromomethane	ND		1.0	0.69	ug/L			10/05/20 13:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/05/20 13:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/05/20 13:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/05/20 13:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/05/20 13:24	1
Chloroethane	ND		1.0	0.32	ug/L			10/05/20 13:24	1
Chloroform	ND		1.0	0.34	ug/L			10/05/20 13:24	1
Chloromethane	ND		1.0	0.35	ug/L			10/05/20 13:24	1
cis-1,2-Dichloroethene	**29**		1.0	0.81	ug/L			10/05/20 13:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/05/20 13:24	1
Cyclohexane	ND		1.0	0.18	ug/L			10/05/20 13:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/05/20 13:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/05/20 13:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/05/20 13:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/05/20 13:24	1
Methyl acetate	ND		2.5	1.3	ug/L			10/05/20 13:24	1

Client Sample ID: RW-2
Lab Sample ID: 480-175955-2

Date Collected: 10/02/20 13:10
Matrix: Water
Date Received: 10/03/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/05/20 13:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/05/20 13:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/05/20 13:24	1
Styrene	ND		1.0	0.73	ug/L			10/05/20 13:24	1
Tetrachloroethene	**14**		1.0	0.36	ug/L			10/05/20 13:24	1
Toluene	ND		1.0	0.51	ug/L			10/05/20 13:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/05/20 13:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/05/20 13:24	1
Trichloroethene	**6.8**		1.0	0.46	ug/L			10/05/20 13:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/05/20 13:24	1
Vinyl chloride	**7.2**		1.0	0.90	ug/L			10/05/20 13:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/05/20 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/05/20 13:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/05/20 13:24*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/05/20 13:24*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/05/20 13:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**2.5**		1.0	0.43	mg/L			10/07/20 18:56	1

Client Sample ID: RW-3
Lab Sample ID: 480-175955-3

Date Collected: 10/02/20 13:15
Matrix: Water
Date Received: 10/03/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/05/20 13:48	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/05/20 13:48	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/05/20 13:48	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			10/05/20 13:48	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/05/20 13:48	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/05/20 13:48	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			10/05/20 13:48	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			10/05/20 13:48	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			10/05/20 13:48	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/05/20 13:48	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/05/20 13:48	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			10/05/20 13:48	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			10/05/20 13:48	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/05/20 13:48	4
2-Hexanone	ND		20	5.0	ug/L			10/05/20 13:48	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/05/20 13:48	4
Acetone	ND		40	12	ug/L			10/05/20 13:48	4
Benzene	ND		4.0	1.6	ug/L			10/05/20 13:48	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/05/20 13:48	4
Bromoform	ND		4.0	1.0	ug/L			10/05/20 13:48	4
Bromomethane	ND		4.0	2.8	ug/L			10/05/20 13:48	4

Client Sample ID: RW-3
Lab Sample ID: 480-175955-3
Date Collected: 10/02/20 13:15
Matrix: Water
Date Received: 10/03/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			10/05/20 13:48	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/05/20 13:48	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/05/20 13:48	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/05/20 13:48	4
Chloroethane	ND		4.0	1.3	ug/L			10/05/20 13:48	4
Chloroform	ND		4.0	1.4	ug/L			10/05/20 13:48	4
Chloromethane	ND		4.0	1.4	ug/L			10/05/20 13:48	4
cis-1,2-Dichloroethene	**5.7**		4.0	3.2	ug/L			10/05/20 13:48	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/05/20 13:48	4
Cyclohexane	ND		4.0	0.72	ug/L			10/05/20 13:48	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			10/05/20 13:48	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/05/20 13:48	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			10/05/20 13:48	4
Isopropylbenzene	ND		4.0	3.2	ug/L			10/05/20 13:48	4
Methyl acetate	ND		10	5.2	ug/L			10/05/20 13:48	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			10/05/20 13:48	4
Methylcyclohexane	ND		4.0	0.64	ug/L			10/05/20 13:48	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/05/20 13:48	4
Styrene	ND		4.0	2.9	ug/L			10/05/20 13:48	4
Tetrachloroethene	**200**		4.0	1.4	ug/L			10/05/20 13:48	4
Toluene	ND		4.0	2.0	ug/L			10/05/20 13:48	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/05/20 13:48	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/05/20 13:48	4
Trichloroethene	**2.1**	**J**	4.0	1.8	ug/L			10/05/20 13:48	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			10/05/20 13:48	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/05/20 13:48	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/05/20 13:48	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/05/20 13:48*	*4*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/05/20 13:48*	*4*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/05/20 13:48*	*4*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/05/20 13:48*	*4*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**0.50**	**J**	1.0	0.43	mg/L			10/07/20 19:42	1

Client Sample ID: DUP
Lab Sample ID: 480-175955-4
Date Collected: 10/02/20 13:20
Matrix: Water
Date Received: 10/03/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/06/20 10:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/06/20 10:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/06/20 10:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/06/20 10:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/06/20 10:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/06/20 10:47	1

Client Sample ID: DUP
Date Collected: 10/02/20 13:20
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175955-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/06/20 10:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/06/20 10:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/06/20 10:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/06/20 10:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/06/20 10:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/06/20 10:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/06/20 10:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/06/20 10:47	1
2-Hexanone	ND		5.0	1.2	ug/L			10/06/20 10:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/06/20 10:47	1
Acetone	ND		10	3.0	ug/L			10/06/20 10:47	1
Benzene	ND		1.0	0.41	ug/L			10/06/20 10:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/06/20 10:47	1
Bromoform	ND		1.0	0.26	ug/L			10/06/20 10:47	1
Bromomethane	ND		1.0	0.69	ug/L			10/06/20 10:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/06/20 10:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/06/20 10:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/06/20 10:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/06/20 10:47	1
Chloroethane	ND		1.0	0.32	ug/L			10/06/20 10:47	1
Chloroform	ND		1.0	0.34	ug/L			10/06/20 10:47	1
Chloromethane	ND		1.0	0.35	ug/L			10/06/20 10:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/06/20 10:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/06/20 10:47	1
Cyclohexane	ND		1.0	0.18	ug/L			10/06/20 10:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/06/20 10:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/06/20 10:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/06/20 10:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/06/20 10:47	1
Methyl acetate	ND	*	2.5	1.3	ug/L			10/06/20 10:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/06/20 10:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/06/20 10:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/06/20 10:47	1
Styrene	ND		1.0	0.73	ug/L			10/06/20 10:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/06/20 10:47	1
Toluene	ND		1.0	0.51	ug/L			10/06/20 10:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/06/20 10:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/06/20 10:47	1
Trichloroethene	ND		1.0	0.46	ug/L			10/06/20 10:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/06/20 10:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/06/20 10:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/06/20 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/06/20 10:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/06/20 10:47*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/06/20 10:47*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*10/06/20 10:47*	*1*

Client Sample ID: EFFLUENT
Lab Sample ID: 480-175955-5

Date Collected: 10/02/20 13:00
Matrix: Water

Date Received: 10/03/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/05/20 14:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/05/20 14:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/05/20 14:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/05/20 14:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/05/20 14:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/05/20 14:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/05/20 14:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/05/20 14:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/05/20 14:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/05/20 14:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/05/20 14:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/05/20 14:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/05/20 14:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/05/20 14:36	1
2-Hexanone	ND		5.0	1.2	ug/L			10/05/20 14:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/05/20 14:36	1
Acetone	ND		10	3.0	ug/L			10/05/20 14:36	1
Benzene	ND		1.0	0.41	ug/L			10/05/20 14:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/05/20 14:36	1
Bromoform	ND		1.0	0.26	ug/L			10/05/20 14:36	1
Bromomethane	ND		1.0	0.69	ug/L			10/05/20 14:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/05/20 14:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/05/20 14:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/05/20 14:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/05/20 14:36	1
Chloroethane	ND		1.0	0.32	ug/L			10/05/20 14:36	1
Chloroform	ND		1.0	0.34	ug/L			10/05/20 14:36	1
Chloromethane	ND		1.0	0.35	ug/L			10/05/20 14:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/05/20 14:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/05/20 14:36	1
Cyclohexane	ND		1.0	0.18	ug/L			10/05/20 14:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/05/20 14:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/05/20 14:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/05/20 14:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/05/20 14:36	1
Methyl acetate	ND		2.5	1.3	ug/L			10/05/20 14:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/05/20 14:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/05/20 14:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/05/20 14:36	1
Styrene	ND		1.0	0.73	ug/L			10/05/20 14:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/05/20 14:36	1
Toluene	ND		1.0	0.51	ug/L			10/05/20 14:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/05/20 14:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/05/20 14:36	1
Trichloroethene	ND		1.0	0.46	ug/L			10/05/20 14:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/05/20 14:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/05/20 14:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/05/20 14:36	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-175955-5

Date Collected: 10/02/20 13:00
Matrix: Water
Date Received: 10/03/20 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/05/20 14:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*10/05/20 14:36*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/05/20 14:36*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*10/05/20 14:36*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-175955-6

Date Collected: 10/02/20 00:00
Matrix: Water
Date Received: 10/03/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/05/20 15:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/05/20 15:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/05/20 15:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/05/20 15:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/05/20 15:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/05/20 15:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/05/20 15:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/05/20 15:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/05/20 15:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/05/20 15:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/05/20 15:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/05/20 15:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/05/20 15:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/05/20 15:01	1
2-Hexanone	ND		5.0	1.2	ug/L			10/05/20 15:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/05/20 15:01	1
Acetone	ND		10	3.0	ug/L			10/05/20 15:01	1
Benzene	ND		1.0	0.41	ug/L			10/05/20 15:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/05/20 15:01	1
Bromoform	ND		1.0	0.26	ug/L			10/05/20 15:01	1
Bromomethane	ND		1.0	0.69	ug/L			10/05/20 15:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/05/20 15:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/05/20 15:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/05/20 15:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/05/20 15:01	1
Chloroethane	ND		1.0	0.32	ug/L			10/05/20 15:01	1
Chloroform	ND		1.0	0.34	ug/L			10/05/20 15:01	1
Chloromethane	ND		1.0	0.35	ug/L			10/05/20 15:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/05/20 15:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/05/20 15:01	1
Cyclohexane	ND		1.0	0.18	ug/L			10/05/20 15:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/05/20 15:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/05/20 15:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/05/20 15:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/05/20 15:01	1
Methyl acetate	ND		2.5	1.3	ug/L			10/05/20 15:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/05/20 15:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/05/20 15:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/05/20 15:01	1

Client: New York State D.E.C.
Job ID: 480-175955-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-175955-6
Date Collected: 10/02/20 00:00
Matrix: Water
Date Received: 10/03/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			10/05/20 15:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/05/20 15:01	1
Toluene	ND		1.0	0.51	ug/L			10/05/20 15:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/05/20 15:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/05/20 15:01	1
Trichloroethene	ND		1.0	0.46	ug/L			10/05/20 15:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/05/20 15:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/05/20 15:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/05/20 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/05/20 15:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/05/20 15:01*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/05/20 15:01*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/05/20 15:01*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-175955-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-175955-1	RW-1	96	109	101	106
480-175955-2	RW-2	96	107	105	103
480-175955-3	RW-3	97	108	102	103
480-175955-4	DUP	98	109	103	112
480-175955-5	EFFLUENT	97	113	105	115
480-175955-6	TRIP BLANK	98	108	103	104
LCS 480-552406/5	Lab Control Sample	100	105	103	105
LCS 480-552557/5	Lab Control Sample	102	104	107	112
MB 480-552406/7	Method Blank	101	100	105	97
MB 480-552557/7	Method Blank	103	104	107	114

Surrogate Legend

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

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

Lab Sample ID: MB 480-552406/7
Matrix: Water
Analysis Batch: 552406

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/05/20 10:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/05/20 10:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/05/20 10:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/05/20 10:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/05/20 10:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/05/20 10:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/05/20 10:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/05/20 10:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/05/20 10:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/05/20 10:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/05/20 10:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/05/20 10:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/05/20 10:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/05/20 10:22	1
2-Hexanone	ND		5.0	1.2	ug/L			10/05/20 10:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/05/20 10:22	1
Acetone	ND		10	3.0	ug/L			10/05/20 10:22	1
Benzene	ND		1.0	0.41	ug/L			10/05/20 10:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/05/20 10:22	1
Bromoform	ND		1.0	0.26	ug/L			10/05/20 10:22	1
Bromomethane	ND		1.0	0.69	ug/L			10/05/20 10:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/05/20 10:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/05/20 10:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/05/20 10:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/05/20 10:22	1
Chloroethane	ND		1.0	0.32	ug/L			10/05/20 10:22	1
Chloroform	ND		1.0	0.34	ug/L			10/05/20 10:22	1
Chloromethane	ND		1.0	0.35	ug/L			10/05/20 10:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/05/20 10:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/05/20 10:22	1
Cyclohexane	ND		1.0	0.18	ug/L			10/05/20 10:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/05/20 10:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/05/20 10:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/05/20 10:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/05/20 10:22	1
Methyl acetate	ND		2.5	1.3	ug/L			10/05/20 10:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/05/20 10:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/05/20 10:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/05/20 10:22	1
Styrene	ND		1.0	0.73	ug/L			10/05/20 10:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/05/20 10:22	1
Toluene	ND		1.0	0.51	ug/L			10/05/20 10:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/05/20 10:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/05/20 10:22	1
Trichloroethene	ND		1.0	0.46	ug/L			10/05/20 10:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/05/20 10:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/05/20 10:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/05/20 10:22	1

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

Lab Sample ID: MB 480-552406/7
Matrix: Water
Analysis Batch: 552406

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		10/05/20 10:22	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		10/05/20 10:22	1
4-Bromofluorobenzene (Surr)	105		73 - 120		10/05/20 10:22	1
Dibromofluoromethane (Surr)	97		75 - 123		10/05/20 10:22	1

Lab Sample ID: LCS 480-552406/5
Matrix: Water
Analysis Batch: 552406

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.6		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.0		ug/L		116	61 - 148
1,1-Dichloroethane	25.0	25.9		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	26.3		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.5		ug/L		102	56 - 134
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	24.9		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	24.1		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	25.4		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 120
2-Butanone (MEK)	125	126		ug/L		101	57 - 140
2-Hexanone	125	135		ug/L		108	65 - 127
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		102	71 - 125
Acetone	125	140		ug/L		112	56 - 142
Benzene	25.0	24.9		ug/L		99	71 - 124
Bromodichloromethane	25.0	25.6		ug/L		103	80 - 122
Bromoform	25.0	25.4		ug/L		102	61 - 132
Bromomethane	25.0	24.1		ug/L		96	55 - 144
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134
Carbon tetrachloride	25.0	27.6		ug/L		110	72 - 134
Chlorobenzene	25.0	25.1		ug/L		100	80 - 120
Dibromochloromethane	25.0	27.0		ug/L		108	75 - 125
Chloroethane	25.0	24.1		ug/L		96	69 - 136
Chloroform	25.0	24.8		ug/L		99	73 - 127
Chloromethane	25.0	24.6		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124
Cyclohexane	25.0	27.4		ug/L		110	59 - 135
Dichlorodifluoromethane	25.0	29.2		ug/L		117	59 - 135
Ethylbenzene	25.0	25.8		ug/L		103	77 - 123
1,2-Dibromoethane	25.0	24.5		ug/L		98	77 - 120
Isopropylbenzene	25.0	25.8		ug/L		103	77 - 122
Methyl acetate	50.0	45.3		ug/L		91	74 - 133
Methyl tert-butyl ether	25.0	25.9		ug/L		103	77 - 120
Methylcyclohexane	25.0	28.0		ug/L		112	68 - 134

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

Lab Sample ID: LCS 480-552406/5
Matrix: Water
Analysis Batch: 552406

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	24.1		ug/L		97	75 - 124
Styrene	25.0	25.6		ug/L		103	80 - 120
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122
Toluene	25.0	25.7		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	26.6		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	24.8		ug/L		99	80 - 120
Trichloroethene	25.0	24.7		ug/L		99	74 - 123
Trichlorofluoromethane	25.0	28.5		ug/L		114	62 - 150
Vinyl chloride	25.0	24.9		ug/L		100	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

Lab Sample ID: MB 480-552557/7
Matrix: Water
Analysis Batch: 552557

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/06/20 09:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/06/20 09:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/06/20 09:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/06/20 09:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/06/20 09:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/06/20 09:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/06/20 09:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/06/20 09:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/06/20 09:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/06/20 09:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/06/20 09:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/06/20 09:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/06/20 09:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/06/20 09:59	1
2-Hexanone	ND		5.0	1.2	ug/L			10/06/20 09:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/06/20 09:59	1
Acetone	ND		10	3.0	ug/L			10/06/20 09:59	1
Benzene	ND		1.0	0.41	ug/L			10/06/20 09:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/06/20 09:59	1
Bromoform	ND		1.0	0.26	ug/L			10/06/20 09:59	1
Bromomethane	ND		1.0	0.69	ug/L			10/06/20 09:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/06/20 09:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/06/20 09:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/06/20 09:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/06/20 09:59	1
Chloroethane	ND		1.0	0.32	ug/L			10/06/20 09:59	1
Chloroform	ND		1.0	0.34	ug/L			10/06/20 09:59	1

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

Lab Sample ID: MB 480-552557/7
Matrix: Water
Analysis Batch: 552557

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/06/20 09:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/06/20 09:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/06/20 09:59	1
Cyclohexane	ND		1.0	0.18	ug/L			10/06/20 09:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/06/20 09:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/06/20 09:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/06/20 09:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/06/20 09:59	1
Methyl acetate	ND		2.5	1.3	ug/L			10/06/20 09:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/06/20 09:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/06/20 09:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/06/20 09:59	1
Styrene	ND		1.0	0.73	ug/L			10/06/20 09:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/06/20 09:59	1
Toluene	ND		1.0	0.51	ug/L			10/06/20 09:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/06/20 09:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/06/20 09:59	1
Trichloroethene	ND		1.0	0.46	ug/L			10/06/20 09:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/06/20 09:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/06/20 09:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/06/20 09:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/06/20 09:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/06/20 09:59*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/06/20 09:59*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*10/06/20 09:59*	*1*

Lab Sample ID: LCS 480-552557/5
Matrix: Water
Analysis Batch: 552557

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.8		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	19.5		ug/L		78	76 - 120
1,1,2-Trichloroethane	25.0	21.5		ug/L		86	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.3		ug/L		109	61 - 148
1,1-Dichloroethane	25.0	21.8		ug/L		87	77 - 120
1,1-Dichloroethene	25.0	23.9		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	20.6		ug/L		82	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	17.1		ug/L		68	56 - 134
1,2-Dichlorobenzene	25.0	22.5		ug/L		90	80 - 124
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	21.4		ug/L		86	76 - 120
1,3-Dichlorobenzene	25.0	22.4		ug/L		90	77 - 120
1,4-Dichlorobenzene	25.0	22.0		ug/L		88	80 - 120
2-Butanone (MEK)	125	94.4		ug/L		76	57 - 140
2-Hexanone	125	99.4		ug/L		79	65 - 127

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

Lab Sample ID: LCS 480-552557/5
Matrix: Water
Analysis Batch: 552557

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	125	94.3		ug/L		75	71 - 125
Acetone	125	99.1		ug/L		79	56 - 142
Benzene	25.0	22.8		ug/L		91	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	26.2		ug/L		105	61 - 132
Bromomethane	25.0	21.6		ug/L		86	55 - 144
Carbon disulfide	25.0	21.6		ug/L		86	59 - 134
Carbon tetrachloride	25.0	28.3		ug/L		113	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125
Chloroethane	25.0	18.8		ug/L		75	69 - 136
Chloroform	25.0	23.2		ug/L		93	73 - 127
Chloromethane	25.0	18.3		ug/L		73	68 - 124
cis-1,2-Dichloroethene	25.0	24.1		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	22.8		ug/L		91	74 - 124
Cyclohexane	25.0	21.8		ug/L		87	59 - 135
Dichlorodifluoromethane	25.0	25.8		ug/L		103	59 - 135
Ethylbenzene	25.0	22.7		ug/L		91	77 - 123
1,2-Dibromoethane	25.0	23.7		ug/L		95	77 - 120
Isopropylbenzene	25.0	21.0		ug/L		84	77 - 122
Methyl acetate	50.0	36.3	*	ug/L		73	74 - 133
Methyl tert-butyl ether	25.0	23.7		ug/L		95	77 - 120
Methylcyclohexane	25.0	23.9		ug/L		96	68 - 134
Methylene Chloride	25.0	24.9		ug/L		99	75 - 124
Styrene	25.0	23.8		ug/L		95	80 - 120
Tetrachloroethene	25.0	23.9		ug/L		95	74 - 122
Toluene	25.0	22.3		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	23.0		ug/L		92	80 - 120
Trichloroethene	25.0	23.7		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	25.1		ug/L		101	62 - 150
Vinyl chloride	25.0	19.2		ug/L		77	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*112*		*75 - 123*

Method: SM 5310C - TOC

Lab Sample ID: MB 480-553058/4
Matrix: Water
Analysis Batch: 553058

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/07/20 17:55	1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: LCS 480-553058/5
Matrix: Water
Analysis Batch: 553058

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			60.0	61.07		mg/L		102	90 - 110		

Lab Sample ID: 480-175955-2 MS
Matrix: Water
Analysis Batch: 553058

Client Sample ID: RW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	2.5		50.0	53.34		mg/L		102	54 - 131		

Lab Sample ID: 480-175955-2 MSD
Matrix: Water
Analysis Batch: 553058

Client Sample ID: RW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	2.5		50.0	53.14		mg/L		101	54 - 131	0	20

QC Association Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-175955-1

GC/MS VOA

Analysis Batch: 552406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175955-1	RW-1	Total/NA	Water	8260C	
480-175955-2	RW-2	Total/NA	Water	8260C	
480-175955-3	RW-3	Total/NA	Water	8260C	
480-175955-5	EFFLUENT	Total/NA	Water	8260C	
480-175955-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-552406/7	Method Blank	Total/NA	Water	8260C	
LCS 480-552406/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 552557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175955-4	DUP	Total/NA	Water	8260C	
MB 480-552557/7	Method Blank	Total/NA	Water	8260C	
LCS 480-552557/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 553058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175955-1	RW-1	Total/NA	Water	SM 5310C	
480-175955-2	RW-2	Total/NA	Water	SM 5310C	
480-175955-3	RW-3	Total/NA	Water	SM 5310C	
MB 480-553058/4	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-553058/5	Lab Control Sample	Total/NA	Water	SM 5310C	
480-175955-2 MS	RW-2	Total/NA	Water	SM 5310C	
480-175955-2 MSD	RW-2	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-175955-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-175955-1
Date Collected: 10/02/20 13:05
Matrix: Water
Date Received: 10/03/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	552406	10/05/20 13:00	CRL	TAL BUF
Total/NA	Analysis	SM 5310C		1	553058	10/07/20 18:26	CLA	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-175955-2
Date Collected: 10/02/20 13:10
Matrix: Water
Date Received: 10/03/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	552406	10/05/20 13:24	CRL	TAL BUF
Total/NA	Analysis	SM 5310C		1	553058	10/07/20 18:56	CLA	TAL BUF

Client Sample ID: RW-3
Lab Sample ID: 480-175955-3
Date Collected: 10/02/20 13:15
Matrix: Water
Date Received: 10/03/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	552406	10/05/20 13:48	CRL	TAL BUF
Total/NA	Analysis	SM 5310C		1	553058	10/07/20 19:42	CLA	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-175955-4
Date Collected: 10/02/20 13:20
Matrix: Water
Date Received: 10/03/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	552557	10/06/20 10:47	AMM	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-175955-5
Date Collected: 10/02/20 13:00
Matrix: Water
Date Received: 10/03/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	552406	10/05/20 14:36	CRL	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-175955-6
Date Collected: 10/02/20 00:00
Matrix: Water
Date Received: 10/03/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	552406	10/05/20 15:01	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-175955-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

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

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
RW-1	480-175955-1	106	109	96	101
RW-2	480-175955-2	103	107	96	105
RW-3	480-175955-3	103	108	97	102
DUP	480-175955-4	112	109	98	103
EFFLUENT	480-175955-5	115	113	97	105
TRIP BLANK	480-175955-6	104	108	98	103
	MB 480-552406/7	97	100	101	105
	MB 480-552557/7	114	104	103	107
	LCS 480-552406/5	105	105	100	103
	LCS 480-552557/5	112	104	102	107

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

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N6492.D

Lab ID: LCS 480-552406/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.6	111	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.0	92	76-120	
1,1,2-Trichloroethane	25.0	24.5	98	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.0	116	61-148	
1,1-Dichloroethane	25.0	25.9	103	77-120	
1,1-Dichloroethene	25.0	26.3	105	66-127	
1,2,4-Trichlorobenzene	25.0	25.8	103	79-122	
1,2-Dibromo-3-Chloropropane	25.0	25.5	102	56-134	
1,2-Dichlorobenzene	25.0	25.3	101	80-124	
1,2-Dichloroethane	25.0	24.9	99	75-120	
1,2-Dichloropropane	25.0	24.1	96	76-120	
1,3-Dichlorobenzene	25.0	25.4	102	77-120	
1,4-Dichlorobenzene	25.0	25.7	103	80-120	
2-Butanone (MEK)	125	126	101	57-140	
2-Hexanone	125	135	108	65-127	
4-Methyl-2-pentanone (MIBK)	125	128	102	71-125	
Acetone	125	140	112	56-142	
Benzene	25.0	24.9	99	71-124	
Bromodichloromethane	25.0	25.6	103	80-122	
Bromoform	25.0	25.4	102	61-132	
Bromomethane	25.0	24.1	96	55-144	
Carbon disulfide	25.0	25.7	103	59-134	
Carbon tetrachloride	25.0	27.6	110	72-134	
Chlorobenzene	25.0	25.1	100	80-120	
Dibromochloromethane	25.0	27.0	108	75-125	
Chloroethane	25.0	24.1	96	69-136	
Chloroform	25.0	24.8	99	73-127	
Chloromethane	25.0	24.6	98	68-124	
cis-1,2-Dichloroethene	25.0	25.0	100	74-124	
cis-1,3-Dichloropropene	25.0	24.2	97	74-124	
Cyclohexane	25.0	27.4	110	59-135	
Dichlorodifluoromethane	25.0	29.2	117	59-135	
Ethylbenzene	25.0	25.8	103	77-123	
1,2-Dibromoethane	25.0	24.5	98	77-120	
Isopropylbenzene	25.0	25.8	103	77-122	
Methyl acetate	50.0	45.3	91	74-133	
Methyl tert-butyl ether	25.0	25.9	103	77-120	
Methylcyclohexane	25.0	28.0	112	68-134	
Methylene Chloride	25.0	24.1	97	75-124	
Styrene	25.0	25.6	103	80-120	
Tetrachloroethene	25.0	26.5	106	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N6492.D

Lab ID: LCS 480-552406/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	25.7	103	80-122	
trans-1,2-Dichloroethene	25.0	26.6	106	73-127	
trans-1,3-Dichloropropene	25.0	24.8	99	80-120	
Trichloroethene	25.0	24.7	99	74-123	
Trichlorofluoromethane	25.0	28.5	114	62-150	
Vinyl chloride	25.0	24.9	100	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S2375.D

Lab ID: LCS 480-552557/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.8	103	73-126	
1,1,2,2-Tetrachloroethane	25.0	19.5	78	76-120	
1,1,2-Trichloroethane	25.0	21.5	86	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.3	109	61-148	
1,1-Dichloroethane	25.0	21.8	87	77-120	
1,1-Dichloroethene	25.0	23.9	96	66-127	
1,2,4-Trichlorobenzene	25.0	20.6	82	79-122	
1,2-Dibromo-3-Chloropropane	25.0	17.1	68	56-134	
1,2-Dichlorobenzene	25.0	22.5	90	80-124	
1,2-Dichloroethane	25.0	23.6	94	75-120	
1,2-Dichloropropane	25.0	21.4	86	76-120	
1,3-Dichlorobenzene	25.0	22.4	90	77-120	
1,4-Dichlorobenzene	25.0	22.0	88	80-120	
2-Butanone (MEK)	125	94.4	76	57-140	
2-Hexanone	125	99.4	79	65-127	
4-Methyl-2-pentanone (MIBK)	125	94.3	75	71-125	
Acetone	125	99.1	79	56-142	
Benzene	25.0	22.8	91	71-124	
Bromodichloromethane	25.0	24.7	99	80-122	
Bromoform	25.0	26.2	105	61-132	
Bromomethane	25.0	21.6	86	55-144	
Carbon disulfide	25.0	21.6	86	59-134	
Carbon tetrachloride	25.0	28.3	113	72-134	
Chlorobenzene	25.0	23.8	95	80-120	
Dibromochloromethane	25.0	25.7	103	75-125	
Chloroethane	25.0	18.8	75	69-136	
Chloroform	25.0	23.2	93	73-127	
Chloromethane	25.0	18.3	73	68-124	
cis-1,2-Dichloroethene	25.0	24.1	96	74-124	
cis-1,3-Dichloropropene	25.0	22.8	91	74-124	
Cyclohexane	25.0	21.8	87	59-135	
Dichlorodifluoromethane	25.0	25.8	103	59-135	
Ethylbenzene	25.0	22.7	91	77-123	
1,2-Dibromoethane	25.0	23.7	95	77-120	
Isopropylbenzene	25.0	21.0	84	77-122	
Methyl acetate	50.0	36.3	73	74-133	*
Methyl tert-butyl ether	25.0	23.7	95	77-120	
Methylcyclohexane	25.0	23.9	96	68-134	
Methylene Chloride	25.0	24.9	99	75-124	
Styrene	25.0	23.8	95	80-120	
Tetrachloroethene	25.0	23.9	95	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S2375.D

Lab ID: LCS 480-552557/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	22.3	89	80-122	
trans-1,2-Dichloroethene	25.0	23.6	94	73-127	
trans-1,3-Dichloropropene	25.0	23.0	92	80-120	
Trichloroethene	25.0	23.7	95	74-123	
Trichlorofluoromethane	25.0	25.1	101	62-150	
Vinyl chloride	25.0	19.2	77	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab File ID: N6494.D Lab Sample ID: MB 480-552406/7

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

Instrument ID: HP5973N Date Analyzed: 10/05/2020 10:22

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-552406/5	N6492.D	10/05/2020 09:35
RW-1	480-175955-1	N6500.D	10/05/2020 13:00
RW-2	480-175955-2	N6501.D	10/05/2020 13:24
RW-3	480-175955-3	N6502.D	10/05/2020 13:48
EFFLUENT	480-175955-5	N6504.D	10/05/2020 14:36
TRIP BLANK	480-175955-6	N6505.D	10/05/2020 15:01

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab File ID: S2377.D Lab Sample ID: MB 480-552557/7

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

Instrument ID: HP5973S Date Analyzed: 10/06/2020 09:59

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-552557/5	S2375.D	10/06/2020 09:13
DUP	480-175955-4	S2378.D	10/06/2020 10:47

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab File ID: N5715.D BFB Injection Date: 09/09/2020

Instrument ID: HP5973N BFB Injection Time: 13:42

Analysis Batch No.: 548703

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	30.5	
75	30.0 - 60.0 % of mass 95	49.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.4	(0.6) 1
174	Greater than 50% of mass 95	76.6	
175	5.0 - 9.0 % of mass 174	6.3	(8.2) 1
176	95.0 - 101.0 % of mass 174	75.7	(98.8) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-548703/8	N5717.D	09/09/2020	15:22
	IC 480-548703/9	N5718.D	09/09/2020	15:46
	IC 480-548703/10	N5719.D	09/09/2020	16:10
	IC 480-548703/11	N5720.D	09/09/2020	16:34
	IC 480-548703/12	N5721.D	09/09/2020	16:59
	ICIS 480-548703/13	N5722.D	09/09/2020	17:23
	IC 480-548703/14	N5723.D	09/09/2020	17:47
	IC 480-548703/15	N5724.D	09/09/2020	18:11
	ICV 480-548703/29	N5738.D	09/09/2020	23:47

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab File ID: N6489.D BFB Injection Date: 10/05/2020

Instrument ID: HP5973N BFB Injection Time: 08:17

Analysis Batch No.: 552406

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	30.0	
75	30.0 - 60.0 % of mass 95	46.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.5	
173	Less than 2.0 % of mass 174	1.3	(1.6) 1
174	Greater than 50% of mass 95	79.5	
175	5.0 - 9.0 % of mass 174	6.9	(8.6) 1
176	95.0 - 101.0 % of mass 174	76.1	(95.7) 1
177	5.0 - 9.0 % of mass 176	5.5	(7.2) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-552406/3	N6490.D	10/05/2020	8:47
	LCS 480-552406/5	N6492.D	10/05/2020	9:35
	MB 480-552406/7	N6494.D	10/05/2020	10:22
RW-1	480-175955-1	N6500.D	10/05/2020	13:00
RW-2	480-175955-2	N6501.D	10/05/2020	13:24
RW-3	480-175955-3	N6502.D	10/05/2020	13:48
EFFLUENT	480-175955-5	N6504.D	10/05/2020	14:36
TRIP BLANK	480-175955-6	N6505.D	10/05/2020	15:01

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab File ID: S0620.D BFB Injection Date: 08/14/2020

Instrument ID: HP5973S BFB Injection Time: 12:26

Analysis Batch No.: 545200

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.8	
75	30.0 - 60.0 % of mass 95	51.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.2	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	Greater than 50% of mass 95	78.8	
175	5.0 - 9.0 % of mass 174	6.7	(8.5) 1
176	95.0 - 101.0 % of mass 174	78.7	(100.0) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-545200/7	S0622.D	08/14/2020	13:35
	IC 480-545200/8	S0623.D	08/14/2020	13:58
	IC 480-545200/9	S0624.D	08/14/2020	14:21
	IC 480-545200/10	S0625.D	08/14/2020	14:46
	IC 480-545200/11	S0626.D	08/14/2020	15:09
	ICIS 480-545200/12	S0627.D	08/14/2020	15:32
	IC 480-545200/13	S0628.D	08/14/2020	15:55
	IC 480-545200/14	S0629.D	08/14/2020	16:18

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab File ID: S0649.D BFB Injection Date: 08/16/2020

Instrument ID: HP5973S BFB Injection Time: 19:08

Analysis Batch No.: 545354

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.4	
75	30.0 - 60.0 % of mass 95	50.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.2	(0.3) 1
174	Greater than 50% of mass 95	83.0	
175	5.0 - 9.0 % of mass 174	6.9	(8.3) 1
176	95.0 - 101.0 % of mass 174	81.4	(98.1) 1
177	5.0 - 9.0 % of mass 176	5.7	(7.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 480-545354/8	S0655.D	08/16/2020	21:31

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab File ID: S2372.D BFB Injection Date: 10/06/2020

Instrument ID: HP5973S BFB Injection Time: 08:01

Analysis Batch No.: 552557

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.3	
75	30.0 - 60.0 % of mass 95	53.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.7	(0.8) 1
174	Greater than 50% of mass 95	88.0	
175	5.0 - 9.0 % of mass 174	6.9	(7.8) 1
176	95.0 - 101.0 % of mass 174	87.1	(99.0) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-552557/3	S2373.D	10/06/2020	8:26
	LCS 480-552557/5	S2375.D	10/06/2020	9:13
	MB 480-552557/7	S2377.D	10/06/2020	9:59
DUP	480-175955-4	S2378.D	10/06/2020	10:47

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Sample No.: ICIS 480-548703/13 Date Analyzed: 09/09/2020 17:23

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N5722.D Heated Purge: (Y/N) N

Calibration ID: 40344

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		172372	5.70	600800	8.71	349055	11.07
UPPER LIMIT		344744	6.20	1201600	9.21	698110	11.57
LOWER LIMIT		86186	5.20	300400	8.21	174528	10.57
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-548703/29		192252	5.70	677454	8.71	359397	11.07
CCVIS 480-552406/3		154738	5.70	589332	8.71	348344	11.07

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Sample No.: CCVIS 480-552406/3 Date Analyzed: 10/05/2020 08:47

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N6490.D Heated Purge: (Y/N) N

Calibration ID: 40342

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		154738	5.70	589332	8.71	348344	11.07
UPPER LIMIT		309476	6.20	1178664	9.21	696688	11.57
LOWER LIMIT		77369	5.20	294666	8.21	174172	10.57
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-552406/5		140818	5.70	501807	8.71	289581	11.07
MB 480-552406/7		145569	5.70	515608	8.71	283737	11.07
480-175955-1	RW-1	131335	5.70	513130	8.71	275091	11.07
480-175955-2	RW-2	130563	5.70	506799	8.71	277085	11.07
480-175955-3	RW-3	131720	5.70	498169	8.71	271993	11.07
480-175955-5	EFFLUENT	118615	5.70	459866	8.71	270885	11.07
480-175955-6	TRIP BLANK	129225	5.70	509488	8.71	263415	11.07

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Sample No.: ICIS 480-545200/12 Date Analyzed: 08/14/2020 15:32

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S0627.D Heated Purge: (Y/N) N

Calibration ID: 40101

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		183428	5.35	379538	8.34	360857	10.74
UPPER LIMIT		366856	5.85	759076	8.84	721714	11.24
LOWER LIMIT		91714	4.85	189769	7.84	180429	10.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-552557/3		119353	5.35	269259	8.34	281703	10.73

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Sample No.: CCVIS 480-552557/3 Date Analyzed: 10/06/2020 08:26

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S2373.D Heated Purge: (Y/N) N

Calibration ID: 40104

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		119353	5.35	269259	8.34	281703	10.73
UPPER LIMIT		238706	5.85	538518	8.84	563406	11.23
LOWER LIMIT		59677	4.85	134630	7.84	140852	10.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-552557/5		119835	5.35	261214	8.34	278709	10.74
MB 480-552557/7		122970	5.35	258878	8.34	275866	10.73
480-175955-4	DUP	120790	5.35	274906	8.34	282011	10.74

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: RW-1 Lab Sample ID: 480-175955-1

Matrix: Water Lab File ID: N6500.D

Analysis Method: 8260C Date Collected: 10/02/2020 13:05

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 13:00

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
75-34-3	1,1-Dichloroethane	ND		5.0	1.9
75-35-4	1,1-Dichloroethene	ND		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.0
95-50-1	1,2-Dichlorobenzene	ND		5.0	4.0
107-06-2	1,2-Dichloroethane	ND		5.0	1.1
78-87-5	1,2-Dichloropropane	ND		5.0	3.6
541-73-1	1,3-Dichlorobenzene	ND		5.0	3.9
106-46-7	1,4-Dichlorobenzene	ND		5.0	4.2
78-93-3	2-Butanone (MEK)	830		50	6.6
591-78-6	2-Hexanone	ND		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	11
67-64-1	Acetone	430		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		5.0	2.0
75-25-2	Bromoform	ND		5.0	1.3
74-83-9	Bromomethane	ND		5.0	3.5
75-15-0	Carbon disulfide	ND		5.0	0.95
56-23-5	Carbon tetrachloride	ND		5.0	1.4
108-90-7	Chlorobenzene	ND		5.0	3.8
124-48-1	Dibromochloromethane	ND		5.0	1.6
75-00-3	Chloroethane	ND		5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	9.7		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4
100-41-4	Ethylbenzene	ND		5.0	3.7
106-93-4	1,2-Dibromoethane	ND		5.0	3.7
98-82-8	Isopropylbenzene	ND		5.0	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: RW-1 Lab Sample ID: 480-175955-1

Matrix: Water Lab File ID: N6500.D

Analysis Method: 8260C Date Collected: 10/02/2020 13:05

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 13:00

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		13	6.5
1634-04-4	Methyl tert-butyl ether	36		5.0	0.80
108-87-2	Methylcyclohexane	ND		5.0	0.80
75-09-2	Methylene Chloride	ND		5.0	2.2
100-42-5	Styrene	ND		5.0	3.7
127-18-4	Tetrachloroethene	ND		5.0	1.8
108-88-3	Toluene	2.9	J	5.0	2.6
156-60-5	trans-1,2-Dichloroethene	ND		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	1.9
79-01-6	Trichloroethene	4.9	J	5.0	2.3
75-69-4	Trichlorofluoromethane	ND		5.0	4.4
75-01-4	Vinyl chloride	5.1		5.0	4.5
1330-20-7	Xylenes, Total	ND		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6500.D
Lims ID: 480-175955-A-1
Client ID: RW-1
Sample Type: Client
Inject. Date: 05-Oct-2020 13:00:30 ALS Bottle#: 6 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 480-175955-A-1
Misc. Info.: 480-0093886-013
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Oct-2020 15:56:37 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: lapointec Date: 06-Oct-2020 15:56:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.695	5.695	0.000	97	131335	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	91	513130	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	96	275091	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.006	93	189568	26.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.422	5.421	0.001	97	259928	27.1	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	670375	23.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	89	212685	25.3	
11 Dichlorodifluoromethane	85		1.370				ND	
13 Chloromethane	50		1.571				ND	
14 Vinyl chloride	62	1.674	1.674	0.000	95	9907	1.02	
15 Bromomethane	94		2.009				ND	
16 Chloroethane	64		2.112				ND	
18 Trichlorofluoromethane	101		2.355				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.879				ND	
22 1,1-Dichloroethene	96		2.879				ND	
23 Acetone	43	3.000	3.003	0.000	97	402700	86.4	
25 Carbon disulfide	76		3.091				ND	U
28 Methyl acetate	43		3.304				ND	
30 Methylene Chloride	84		3.408				ND	Ua
32 Methyl tert-butyl ether	73	3.627	3.627	0.006	93	162576	7.26	
33 trans-1,2-Dichloroethene	96	3.639	3.645	-0.006	41	1723	0.2377	
36 1,1-Dichloroethane	63		4.071				ND	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	87	15648	1.94	
44 2-Butanone (MEK)	43	4.667	4.667	0.000	96	1282313	166.3	
50 Chloroform	83		4.953				ND	
51 1,1,1-Trichloroethane	97		5.069				ND	
52 Cyclohexane	56		5.075				ND	
53 Carbon tetrachloride	117		5.209				ND	
55 Benzene	78		5.428				ND	
57 1,2-Dichloroethane	62		5.494				ND	
60 Trichloroethene	95	6.042	6.036	0.006	88	7431	0.9803	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.158				ND	
63 1,2-Dichloropropane	63		6.285				ND	
67 Dichlorobromomethane	83		6.577				ND	
71 cis-1,3-Dichloropropene	75		6.991				ND	
72 4-Methyl-2-pentanone (MIBK)	58		7.131				ND	U
73 Toluene	92	7.283	7.283	0.000	97	11107	0.5867	
75 trans-1,3-Dichloropropene	75		7.563				ND	
78 1,1,2-Trichloroethane	83		7.758				ND	
79 Tetrachloroethene	166		7.818				ND	Ua
82 2-Hexanone	43		7.977				ND	
83 Chlorodibromomethane	129		8.159				ND	
84 Ethylene Dibromide	107		8.269				ND	
85 Chlorobenzene	112		8.743				ND	
88 Ethylbenzene	91		8.828				ND	
90 m-Xylene & p-Xylene	106		8.950				ND	
91 o-Xylene	106		9.382				ND	
92 Styrene	104		9.412				ND	
93 Bromoform	173		9.662				ND	
95 Isopropylbenzene	105		9.753				ND	
98 1,1,2,2-Tetrachloroethane	83		10.148				ND	
110 1,3-Dichlorobenzene	146		11.006				ND	
113 1,4-Dichlorobenzene	146		11.097				ND	
116 1,2-Dichlorobenzene	146		11.444				ND	
117 1,2-Dibromo-3-Chloropropane	75		12.168				ND	
119 1,2,4-Trichlorobenzene	180		12.837				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

N 8260 IS_00199	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00401	Amount Added:	1.00	Units: uL	Run Reagent

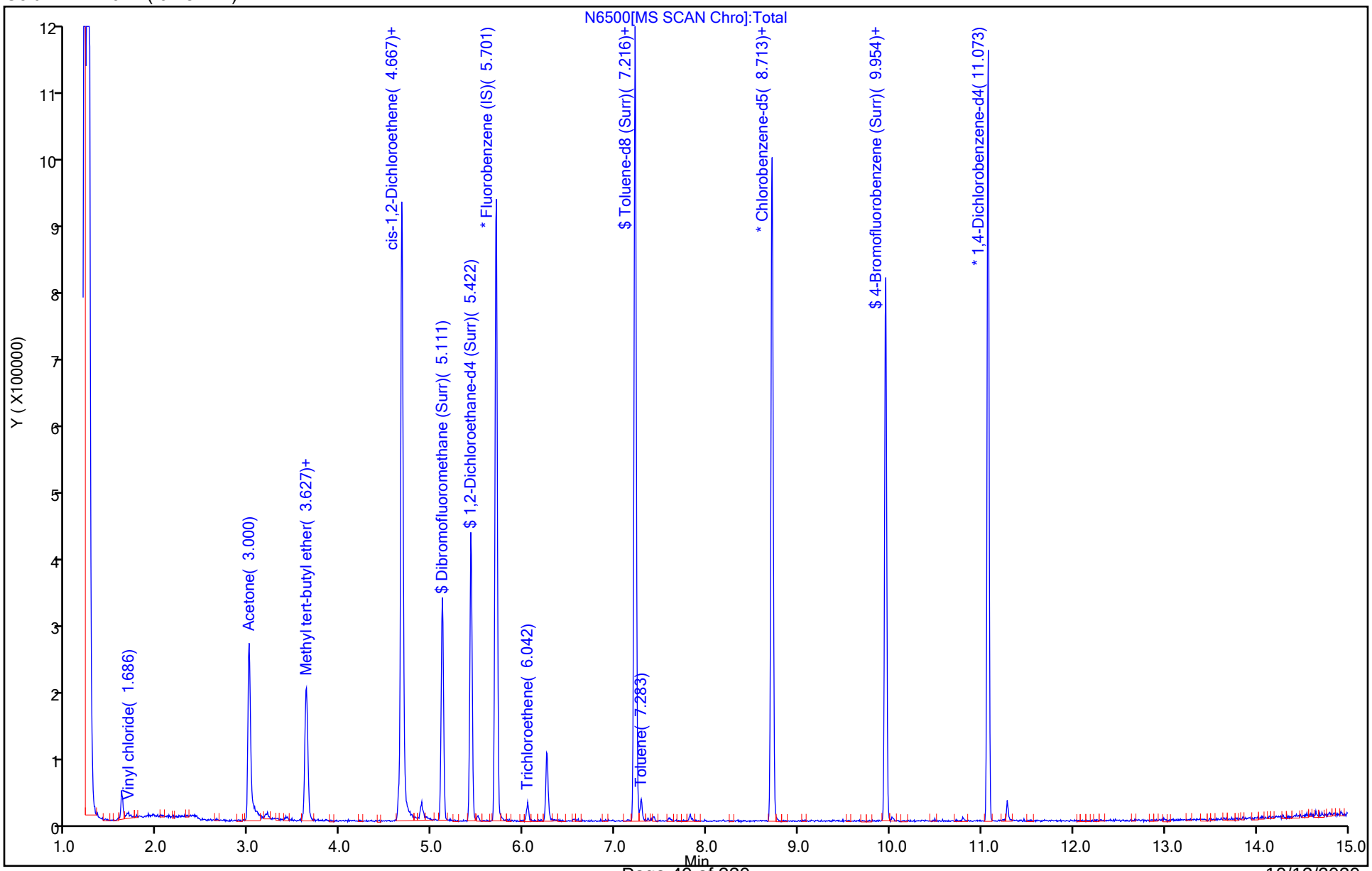
Report Date: 06-Oct-2020 15:56:37 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6500.D

Injection Date:	05-Oct-2020 13:00:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-175955-A-1	Lab Sample ID:	480-175955-1	Worklist Smp#:	13
Client ID:	RW-1				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	6
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



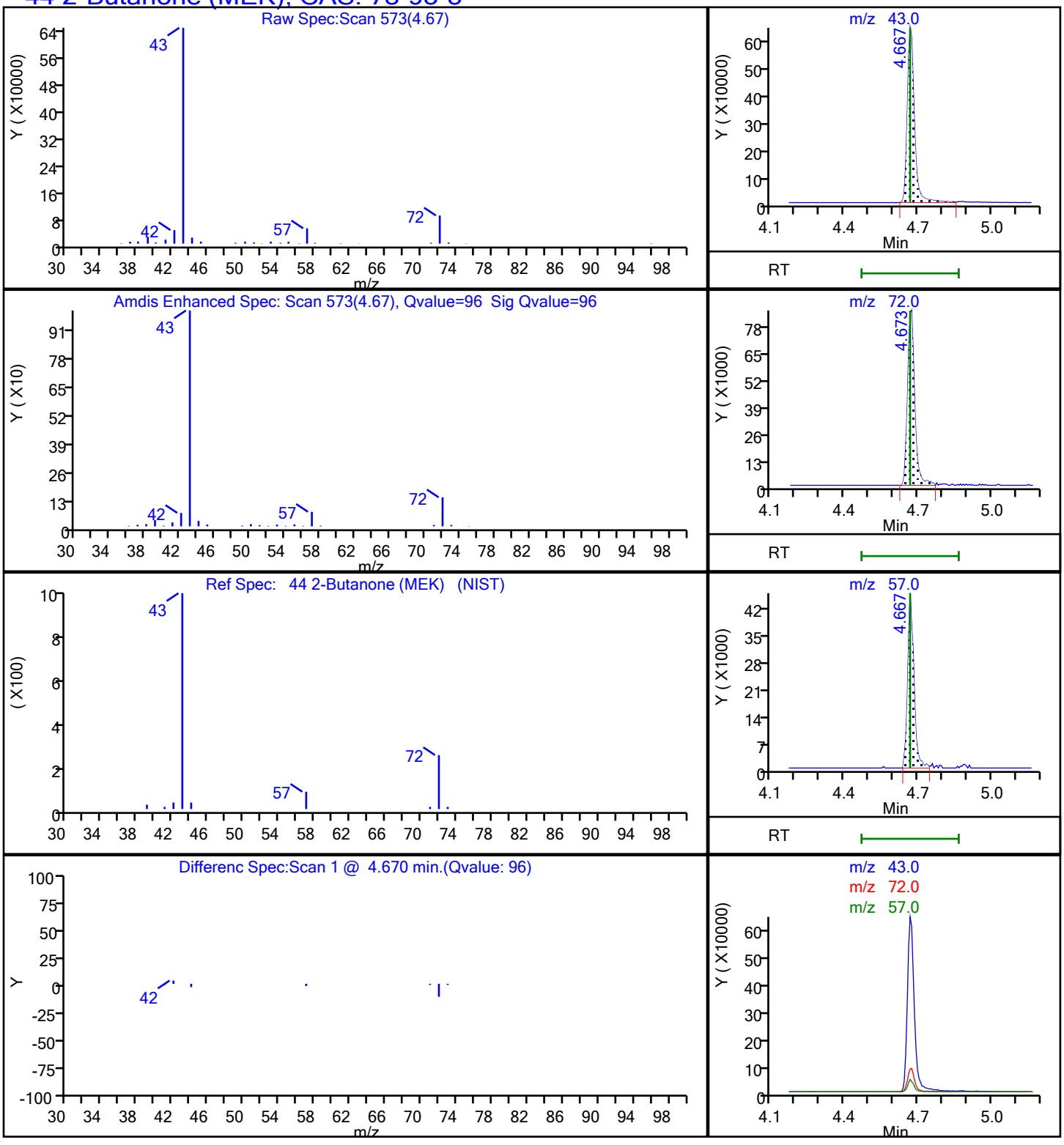
Report Date: 06-Oct-2020 15:56:37 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6500.D

Injection Date:	05-Oct-2020 13:00:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-1	Lab Sample ID:	480-175955-1		
Client ID:	RW-1				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

44 2-Butanone (MEK), CAS: 78-93-3



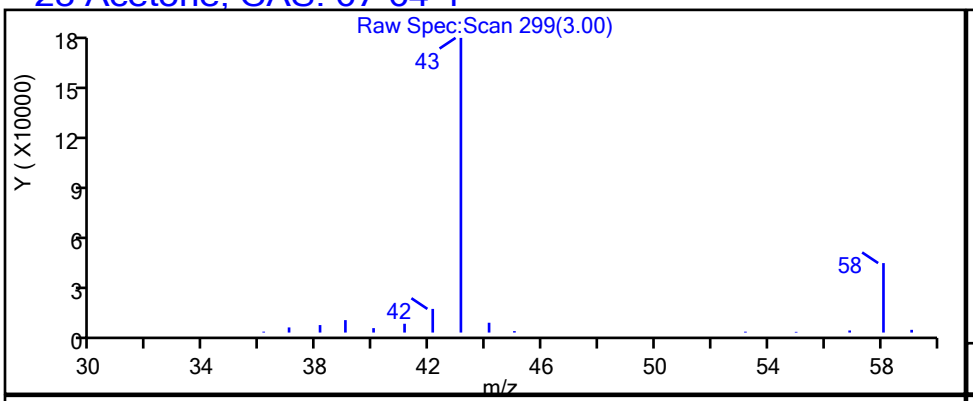
Report Date: 06-Oct-2020 15:56:37 Chrom Revision: 2.3 24-Sep-2020 19:22:38

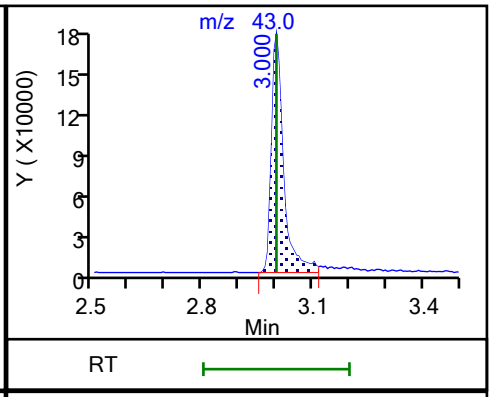
Eurofins TestAmerica, Buffalo

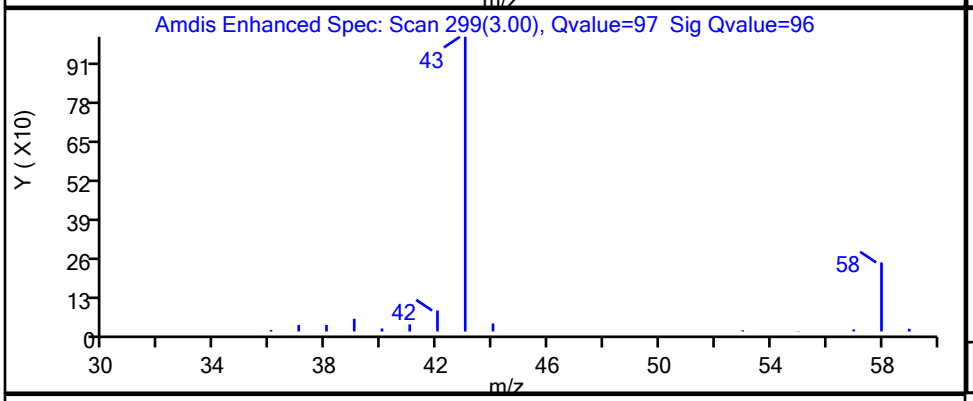
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6500.D

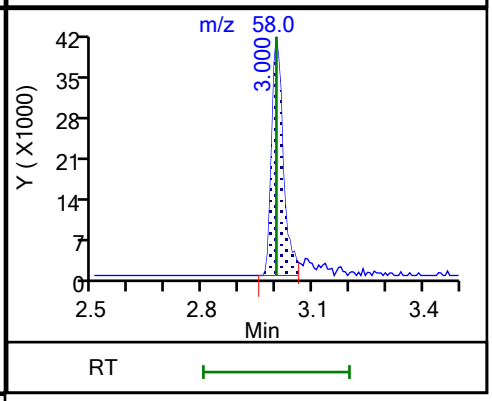
Injection Date:	05-Oct-2020 13:00:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-1	Lab Sample ID:	480-175955-1		
Client ID:	RW-1				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

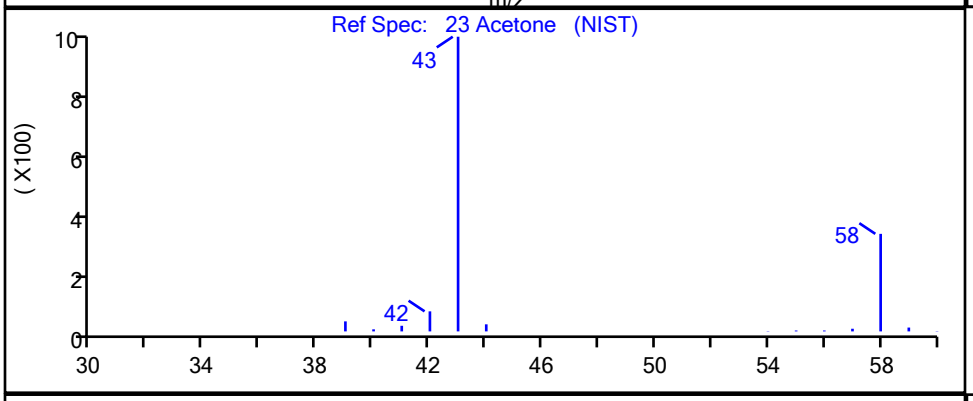
23 Acetone, CAS: 67-64-1

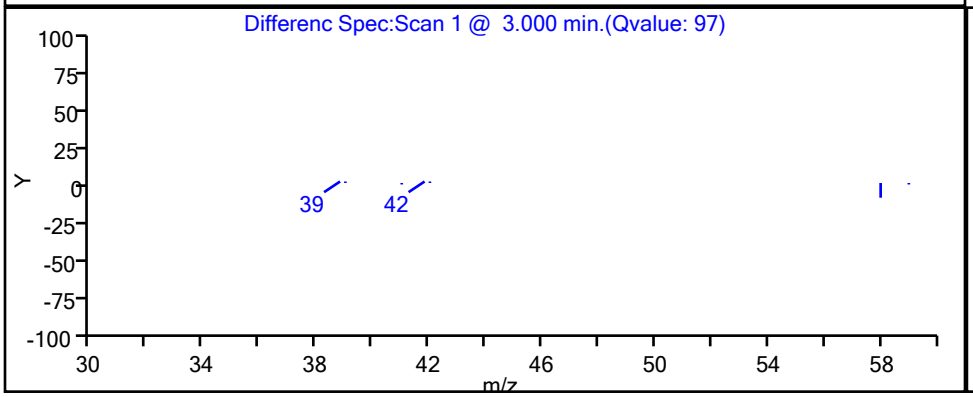


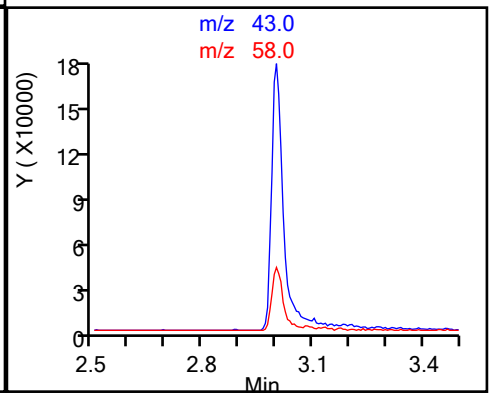












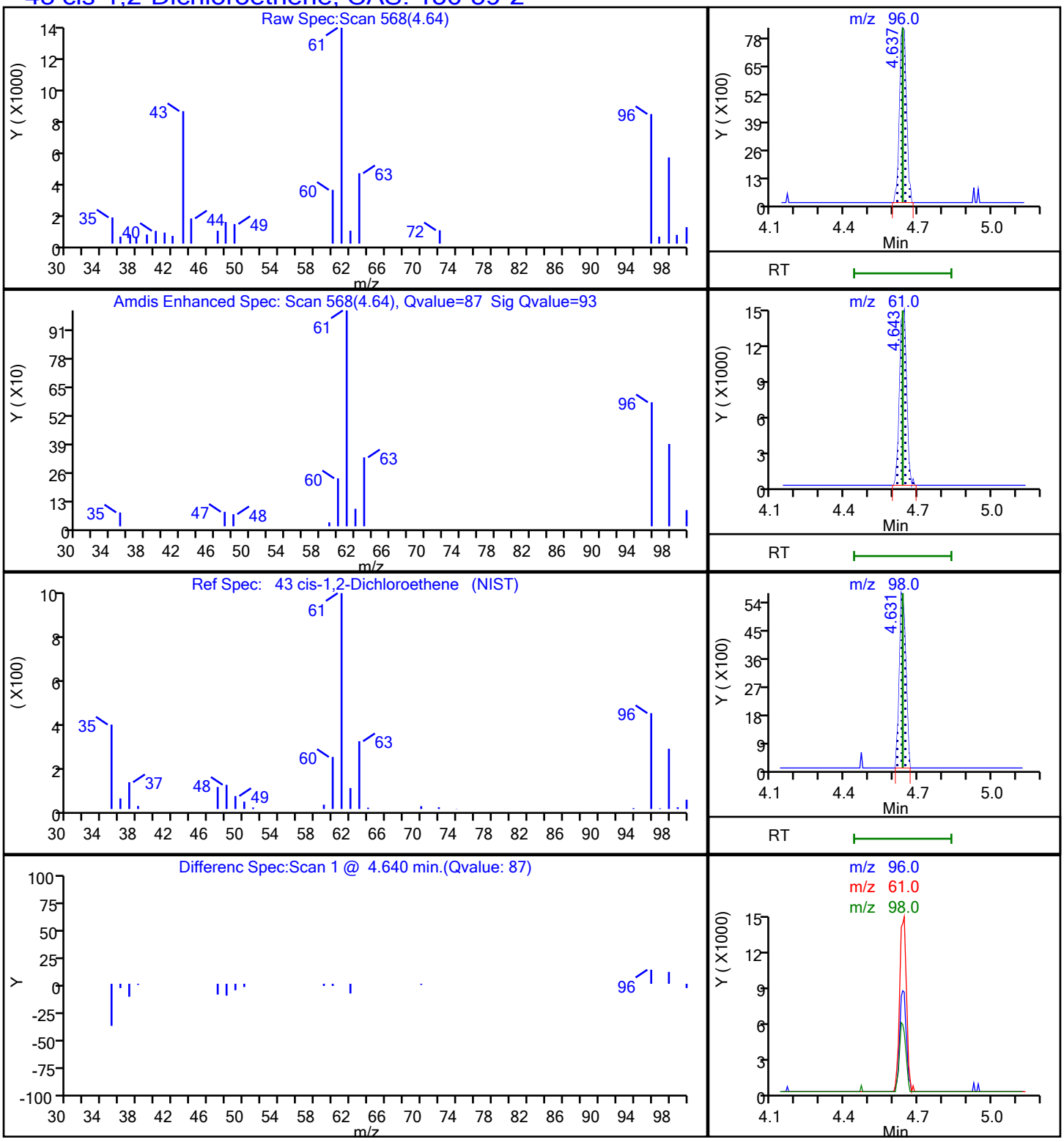
Report Date: 06-Oct-2020 15:56:37 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6500.D

Injection Date:	05-Oct-2020 13:00:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-1	Lab Sample ID:	480-175955-1		
Client ID:	RW-1				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2

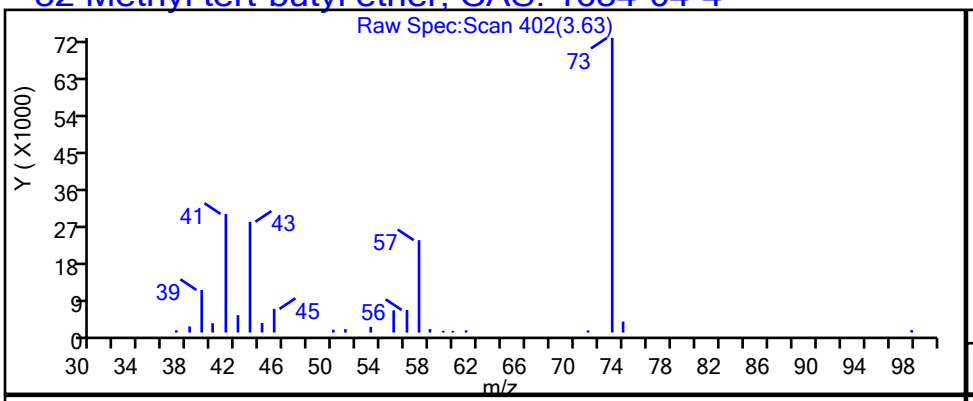


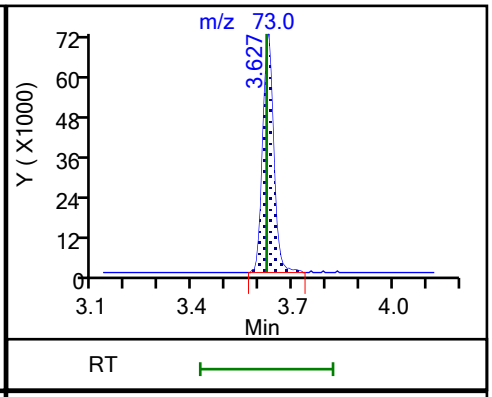
Report Date: 06-Oct-2020 15:56:37 Chrom Revision: 2.3 24-Sep-2020 19:22:38

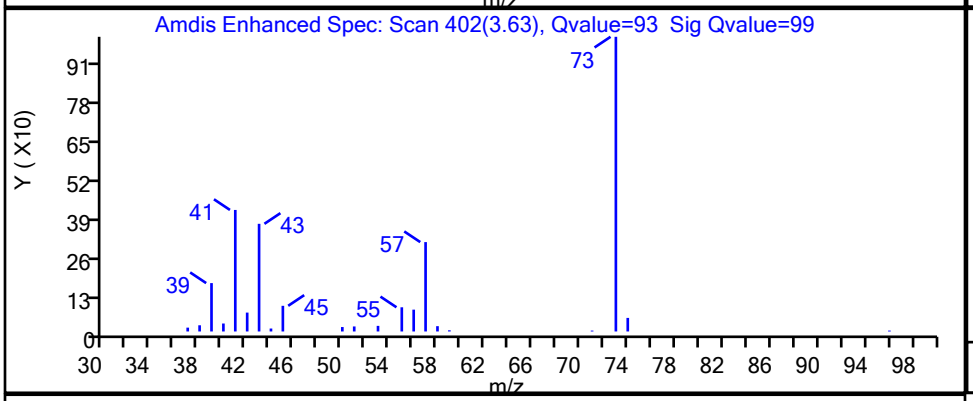
Eurofins TestAmerica, Buffalo

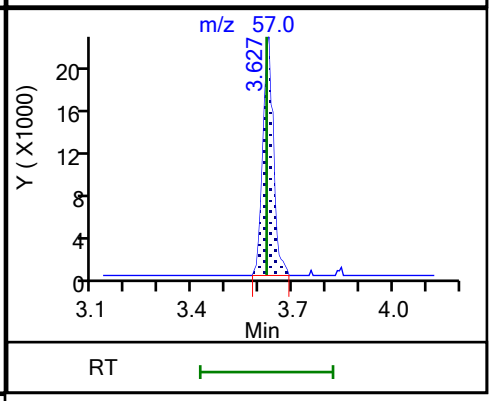
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6500.D				
Injection Date:	05-Oct-2020 13:00:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-1	Lab Sample ID:	480-175955-1		
Client ID:	RW-1				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

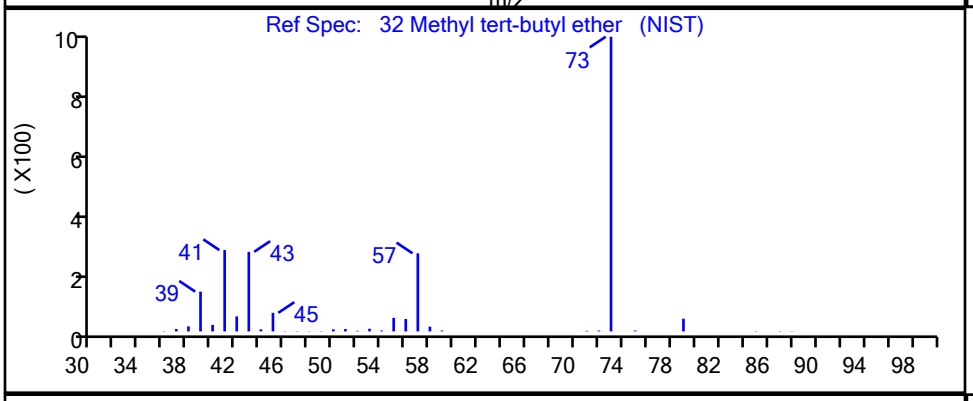
32 Methyl tert-butyl ether, CAS: 1634-04-4

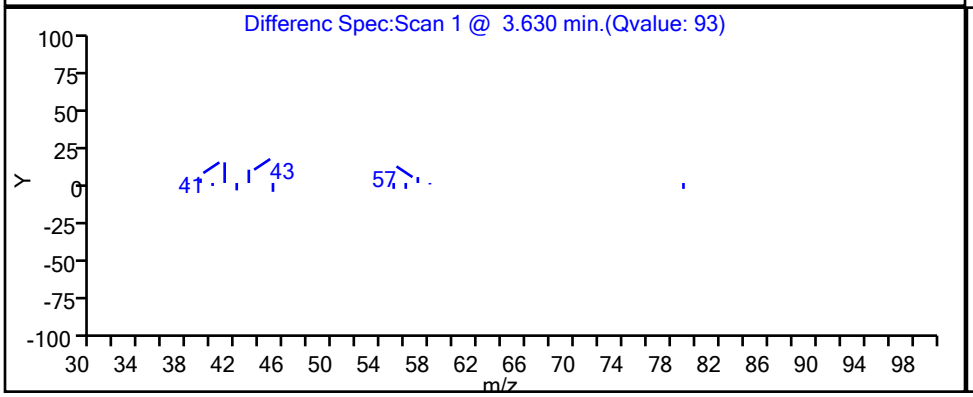


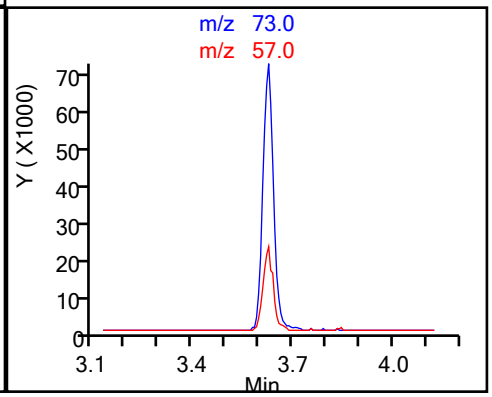












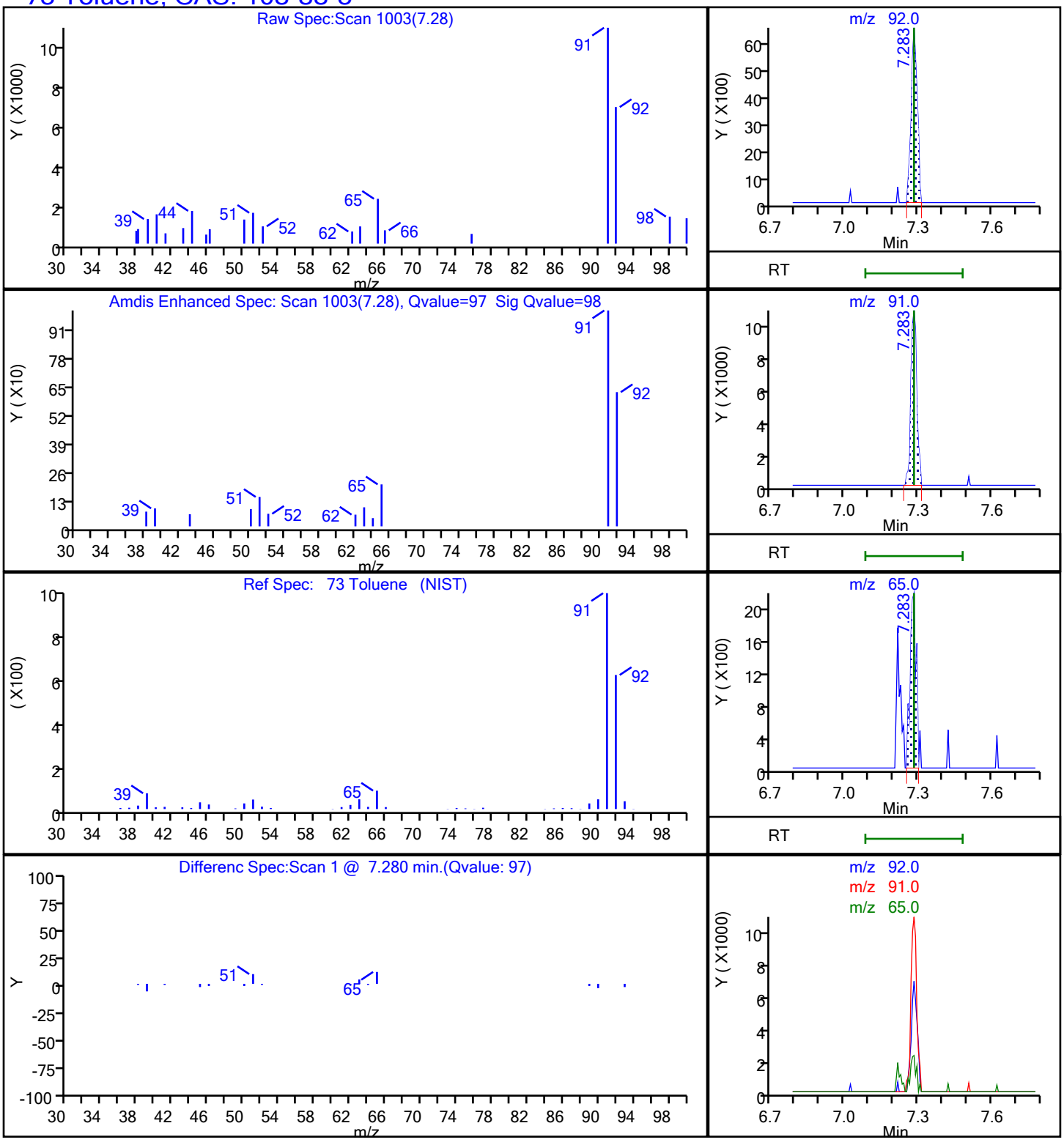
Report Date: 06-Oct-2020 15:56:38 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6500.D

Injection Date:	05-Oct-2020 13:00:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-1	Lab Sample ID:	480-175955-1		
Client ID:	RW-1				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 Toluene, CAS: 108-88-3



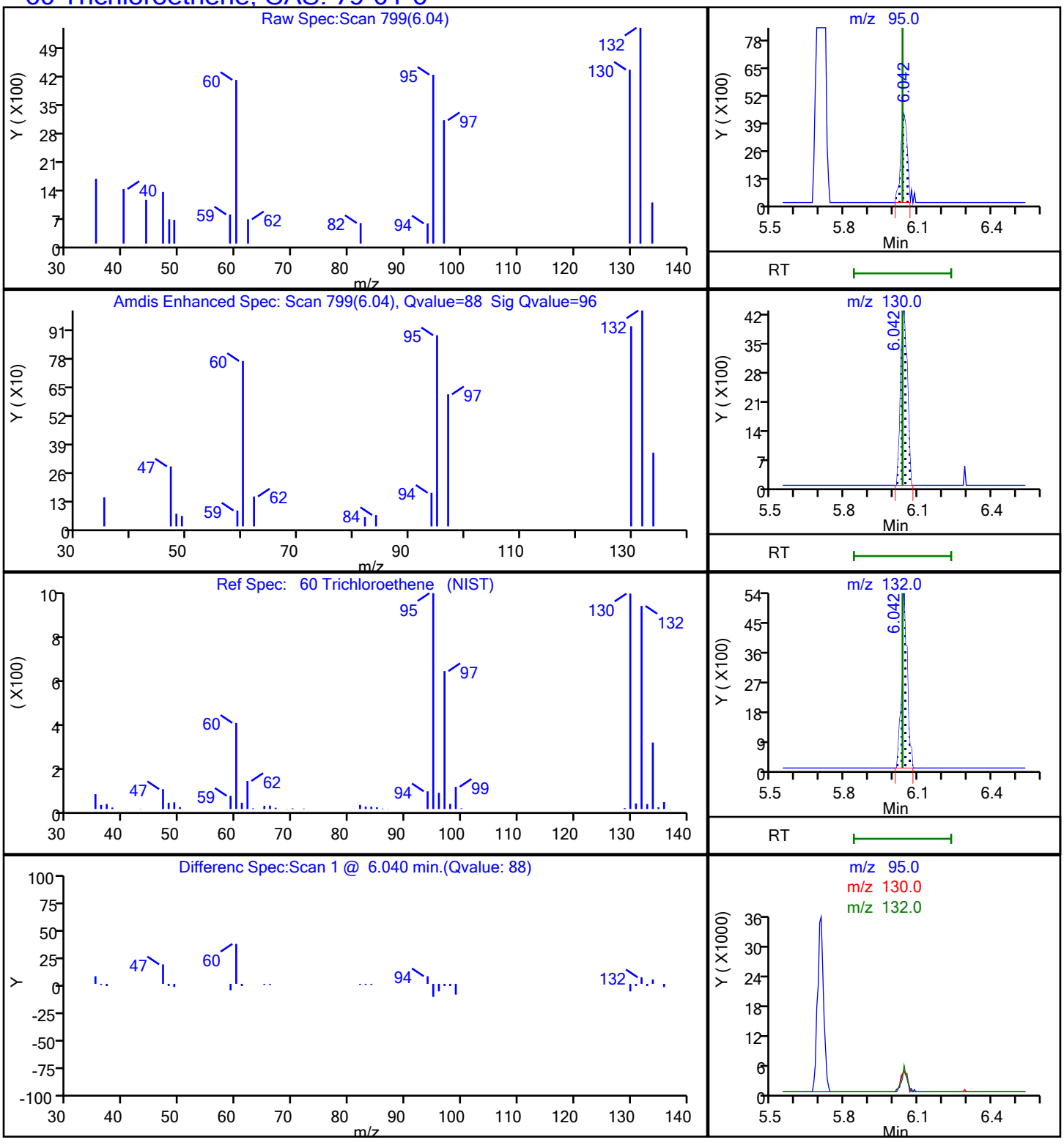
Report Date: 06-Oct-2020 15:56:37 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6500.D

Injection Date:	05-Oct-2020 13:00:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-1	Lab Sample ID:	480-175955-1		
Client ID:	RW-1				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6

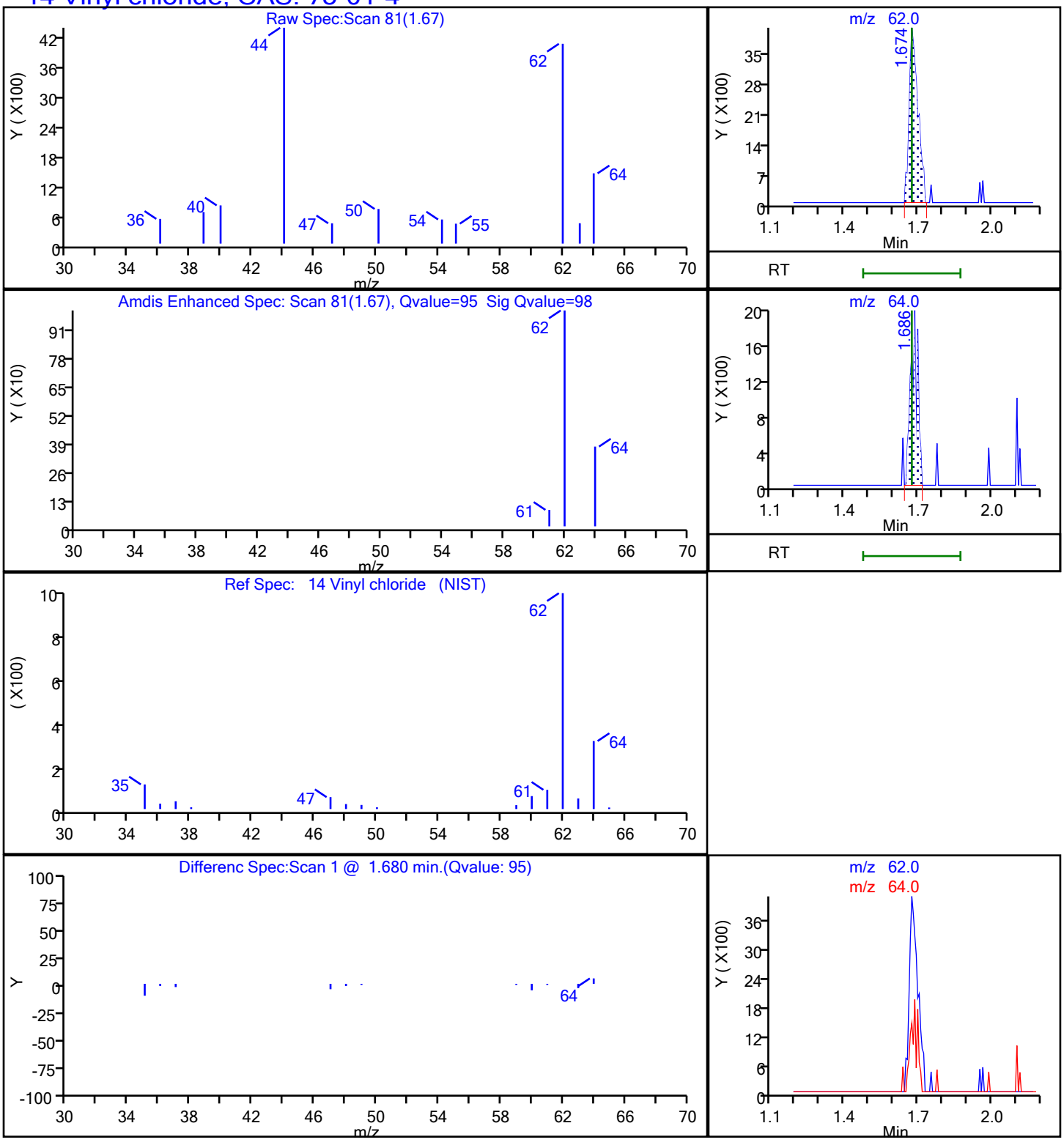


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6500.D

Injection Date:	05-Oct-2020 13:00:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-1	Lab Sample ID:	480-175955-1		
Client ID:	RW-1				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Vinyl chloride, CAS: 75-01-4



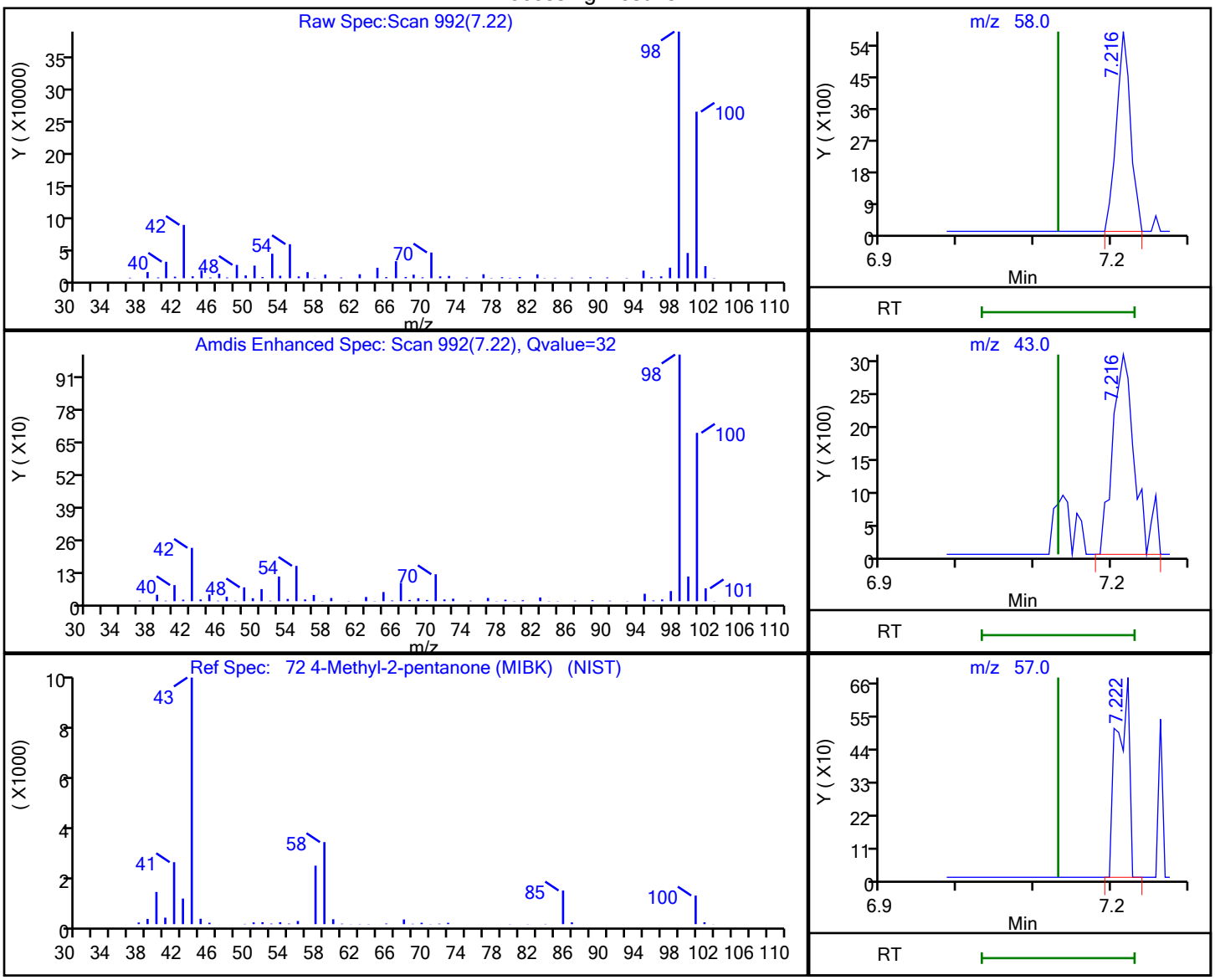
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6500.D				
Injection Date:	05-Oct-2020 13:00:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-1	Lab Sample ID:	480-175955-1		
Client ID:	RW-1				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.22	58.00	7269	1.302862
7.22	43.00	6129	
7.22	57.00	766	

Reviewer: lapointec, 06-Oct-2020 15:56:13

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

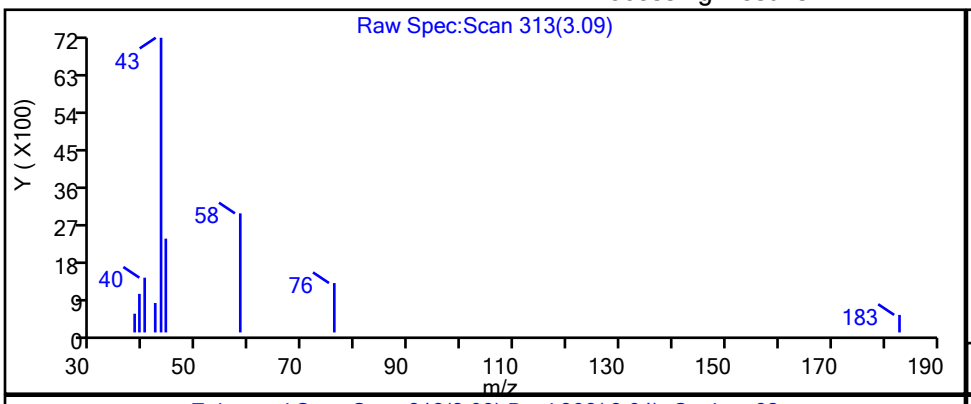
User Disabled Compound Report

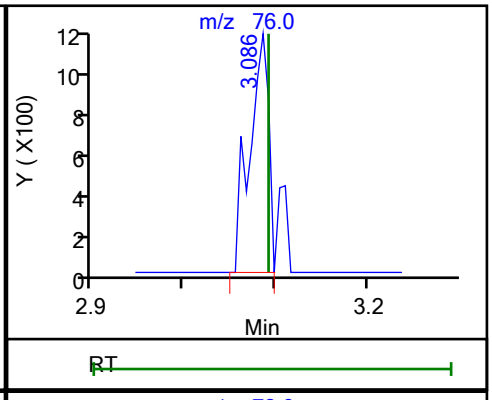
Eurofins TestAmerica, Buffalo

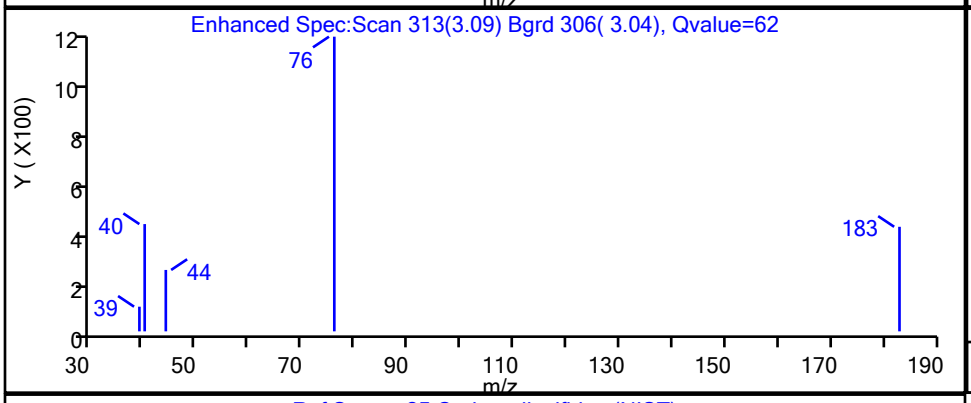
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6500.D				
Injection Date:	05-Oct-2020 13:00:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-1	Lab Sample ID:	480-175955-1		
Client ID:	RW-1				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

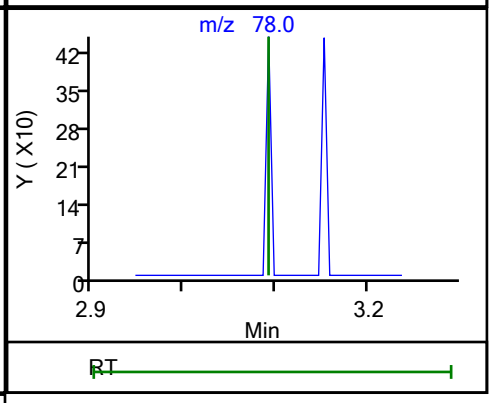
25 Carbon disulfide, CAS: 75-15-0

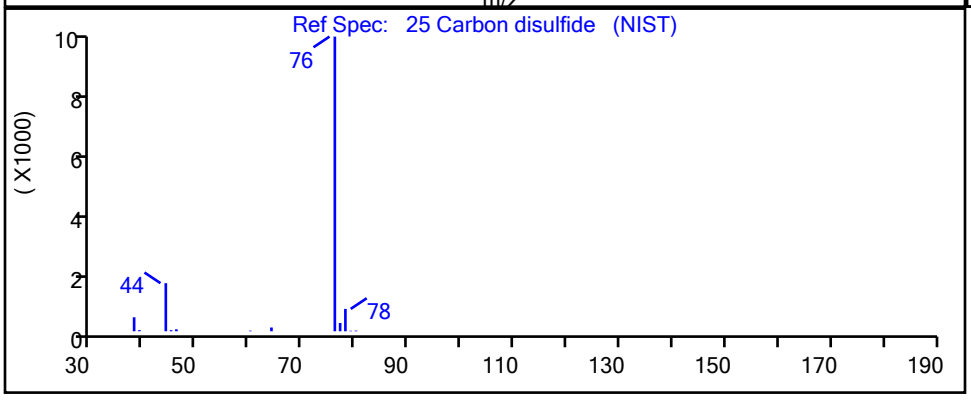
Processing Results











RT	Mass	Response	Amount
3.09	76.00	1736	0.082518
3.09	78.00	0	

Reviewer: lapointec, 06-Oct-2020 15:55:47

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: RW-2 Lab Sample ID: 480-175955-2

Matrix: Water Lab File ID: N6501.D

Analysis Method: 8260C Date Collected: 10/02/2020 13:10

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 13:24

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	29		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: RW-2 Lab Sample ID: 480-175955-2

Matrix: Water Lab File ID: N6501.D

Analysis Method: 8260C Date Collected: 10/02/2020 13:10

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 13:24

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	14		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	6.8		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	7.2		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6501.D
Lims ID: 480-175955-A-2
Client ID: RW-2
Sample Type: Client
Inject. Date: 05-Oct-2020 13:24:30 ALS Bottle#: 7 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-175955-A-2
Misc. Info.: 480-0093886-014
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Oct-2020 15:58:15 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: lapointec Date: 06-Oct-2020 15:58:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.695	5.695	0.000	97	130563	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	91	506799	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	95	277085	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.006	93	183688	25.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.422	5.421	0.001	97	253541	26.6	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	668588	24.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	93	217699	26.2	
11 Dichlorodifluoromethane	85		1.370				ND	
13 Chloromethane	50		1.571				ND	
14 Vinyl chloride	62	1.674	1.674	0.000	98	69506	7.17	
15 Bromomethane	94		2.009				ND	
16 Chloroethane	64		2.112				ND	
18 Trichlorofluoromethane	101		2.355				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.879				ND	
22 1,1-Dichloroethene	96		2.879				ND	
23 Acetone	43		3.000				ND	Ua
25 Carbon disulfide	76		3.091				ND	U
28 Methyl acetate	43		3.304				ND	
30 Methylene Chloride	84		3.408				ND	Ua
32 Methyl tert-butyl ether	73		3.621				ND	
33 trans-1,2-Dichloroethene	96	3.651	3.645	0.006	86	2682	0.3722	
36 1,1-Dichloroethane	63		4.071				ND	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	87	232529	28.9	
44 2-Butanone (MEK)	43		4.667				ND	U
50 Chloroform	83	4.959	4.959	0.006	30	2874	0.2135	
51 1,1,1-Trichloroethane	97		5.069				ND	
52 Cyclohexane	56		5.075				ND	
53 Carbon tetrachloride	117		5.209				ND	
55 Benzene	78		5.428				ND	
57 1,2-Dichloroethane	62		5.494				ND	
60 Trichloroethene	95	6.042	6.036	0.006	93	51181	6.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.158				ND	
63 1,2-Dichloropropane	63		6.285				ND	
67 Dichlorobromomethane	83		6.577				ND	
71 cis-1,3-Dichloropropene	75		6.991				ND	
72 4-Methyl-2-pentanone (MIBK)	58		7.131				ND	U
73 Toluene	92		7.283				ND	
75 trans-1,3-Dichloropropene	75		7.563				ND	
78 1,1,2-Trichloroethane	83		7.758				ND	U
79 Tetrachloroethene	166	7.813	7.819	-0.005	94	111570	13.5	
82 2-Hexanone	43		7.977				ND	
83 Chlorodibromomethane	129		8.159				ND	
84 Ethylene Dibromide	107		8.269				ND	
85 Chlorobenzene	112		8.743				ND	
88 Ethylbenzene	91		8.828				ND	
90 m-Xylene & p-Xylene	106		8.950				ND	
91 o-Xylene	106		9.382				ND	
92 Styrene	104		9.412				ND	
93 Bromoform	173		9.662				ND	
95 Isopropylbenzene	105		9.753				ND	
98 1,1,2,2-Tetrachloroethane	83		10.148				ND	
110 1,3-Dichlorobenzene	146		11.006				ND	U
113 1,4-Dichlorobenzene	146		11.097				ND	U
116 1,2-Dichlorobenzene	146		11.444				ND	
117 1,2-Dibromo-3-Chloropropane	75		12.168				ND	
119 1,2,4-Trichlorobenzene	180		12.837				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

N 8260 IS_00199	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00401	Amount Added:	1.00	Units: uL	Run Reagent

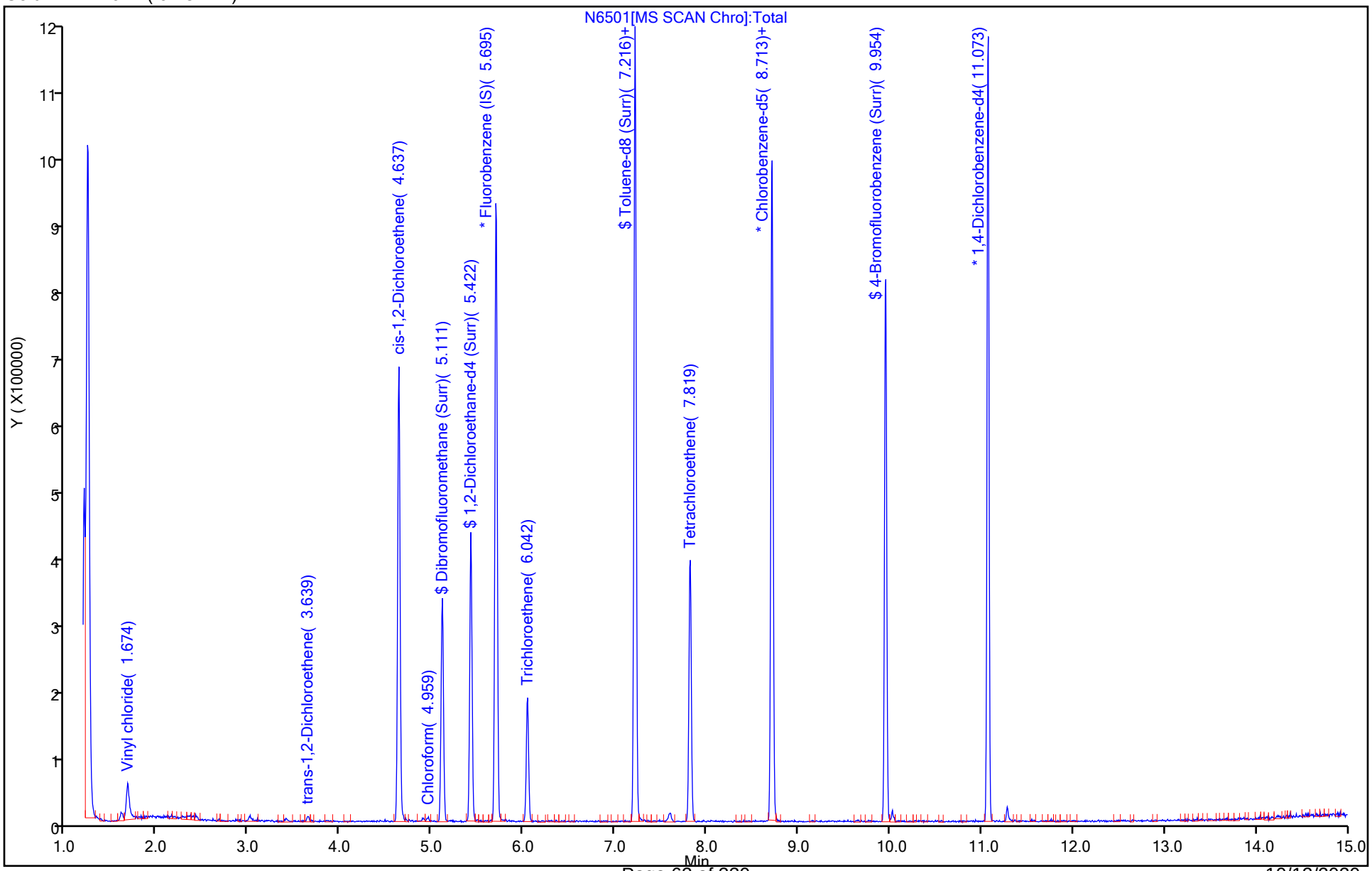
Report Date: 06-Oct-2020 15:58:16 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6501.D

Injection Date:	05-Oct-2020 13:24:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-175955-A-2	Lab Sample ID:	480-175955-2	Worklist Smp#:	14
Client ID:	RW-2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

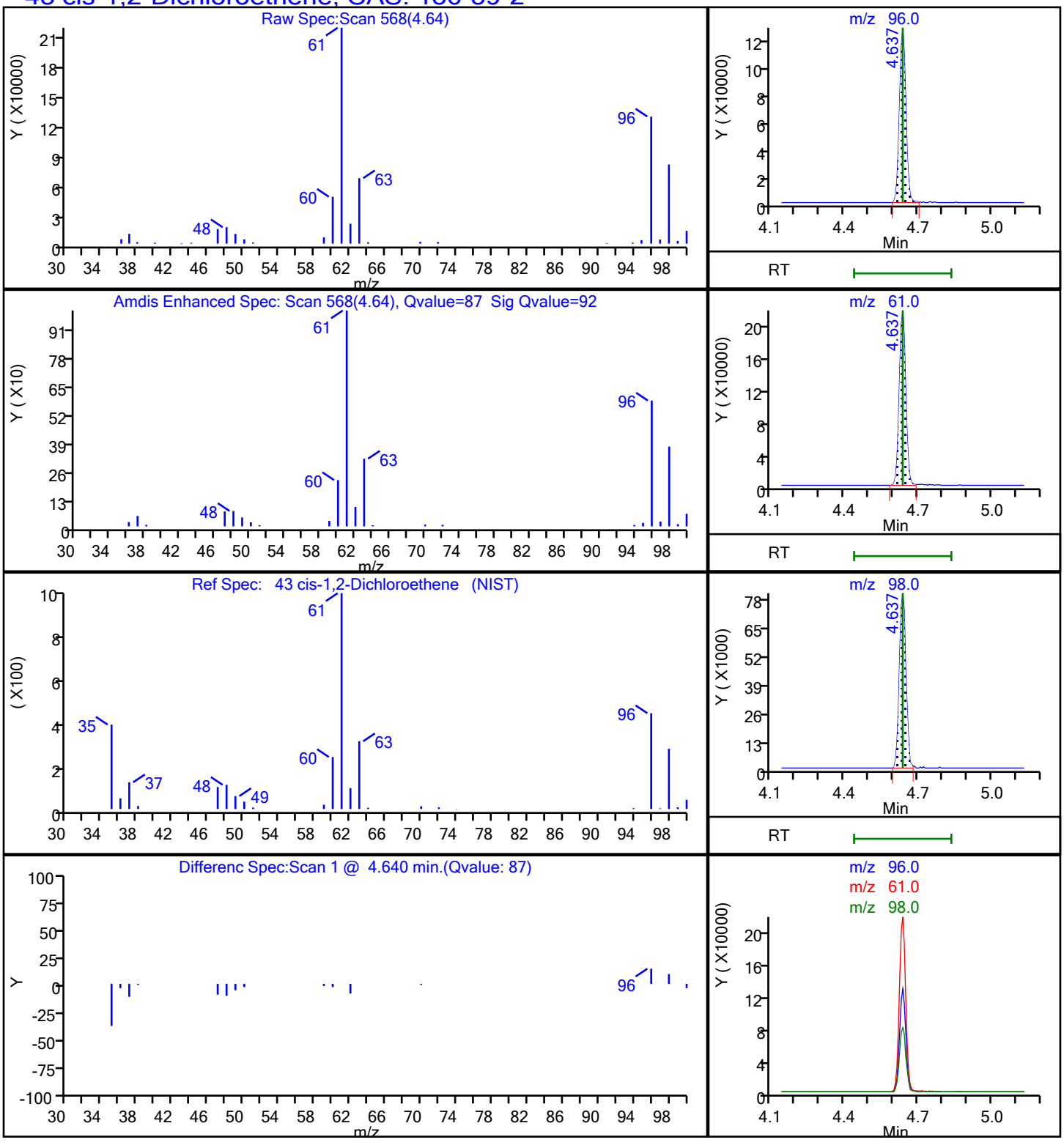
Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6501.D				
Injection Date:	05-Oct-2020 13:24:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-2	Lab Sample ID:	480-175955-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

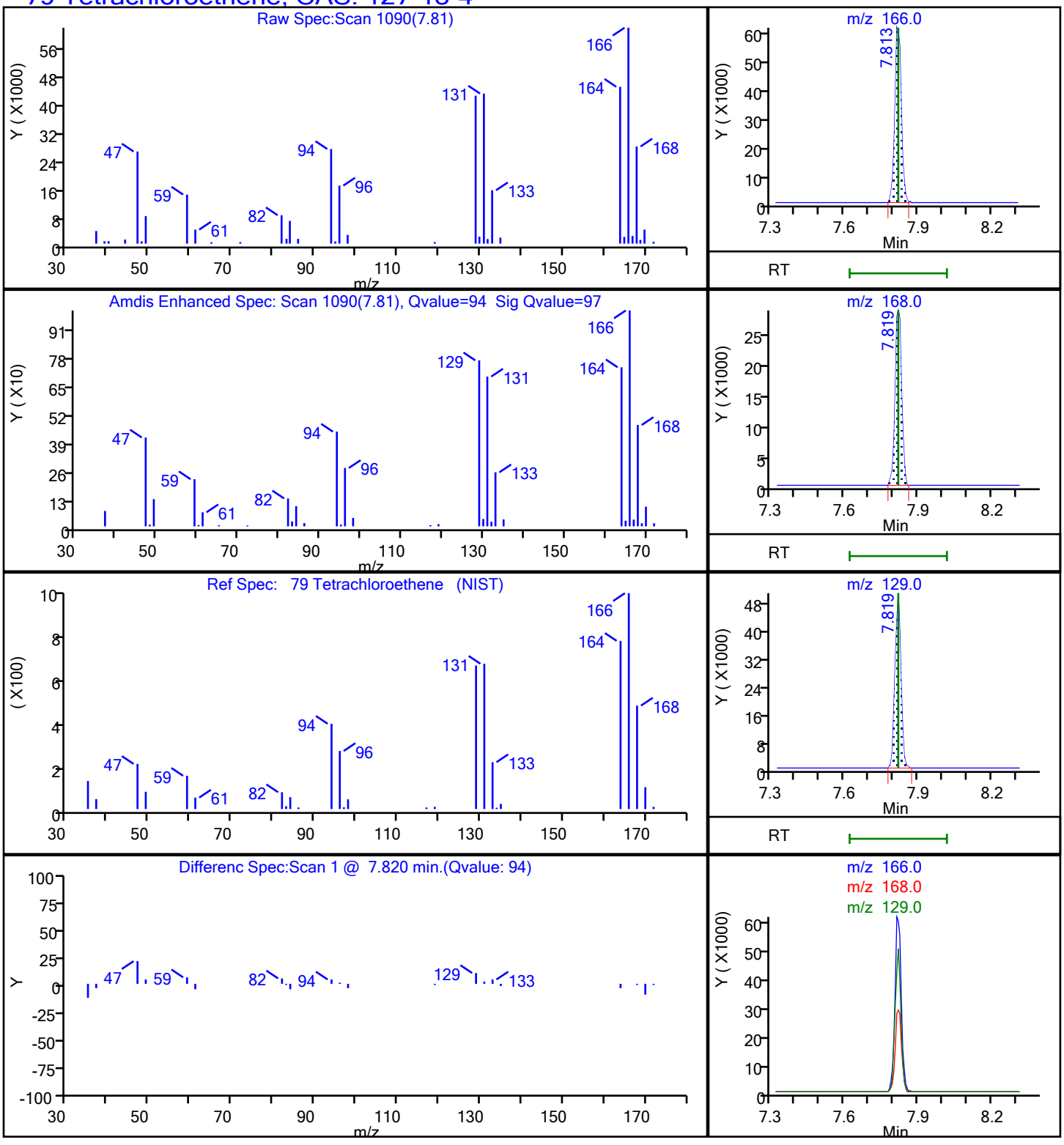
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6501.D				
Injection Date:	05-Oct-2020 13:24:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-2	Lab Sample ID:	480-175955-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 Tetrachloroethene, CAS: 127-18-4

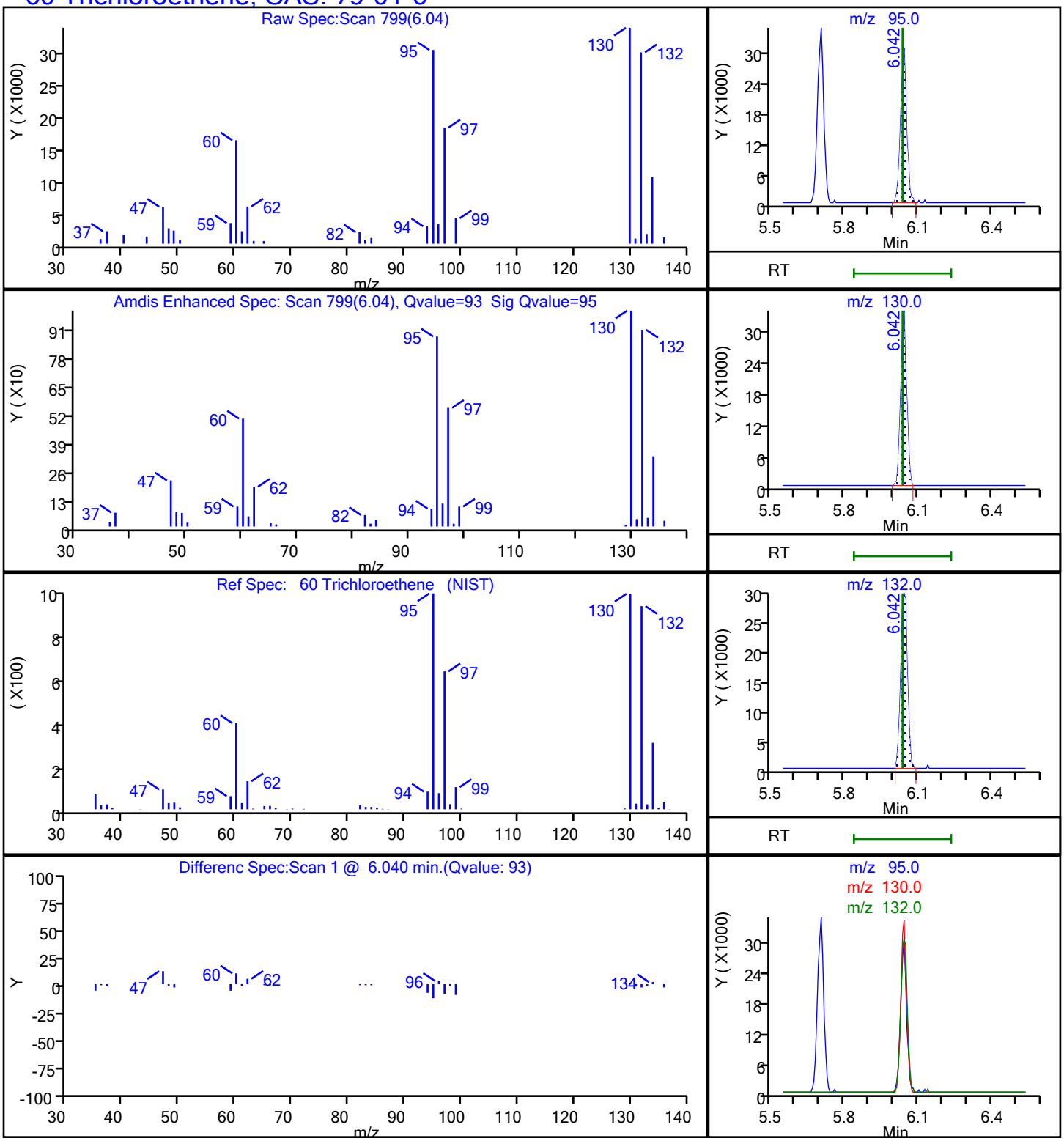


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6501.D

Injection Date:	05-Oct-2020 13:24:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-2	Lab Sample ID:	480-175955-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6



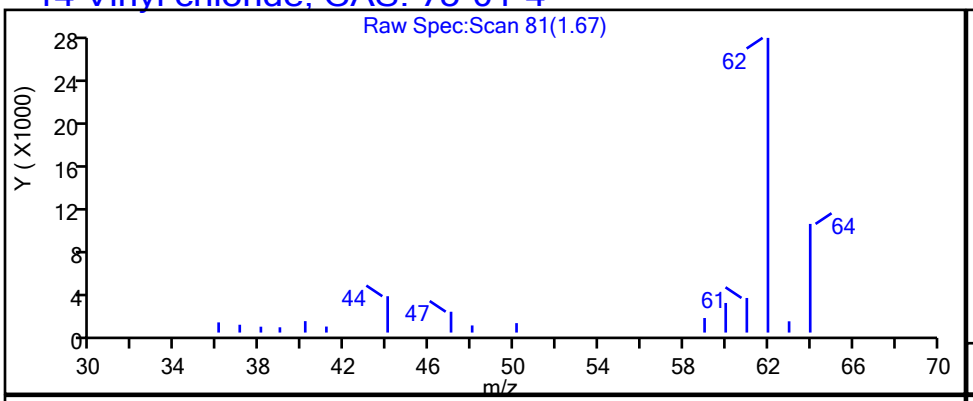
Report Date: 06-Oct-2020 15:58:16 Chrom Revision: 2.3 24-Sep-2020 19:22:38

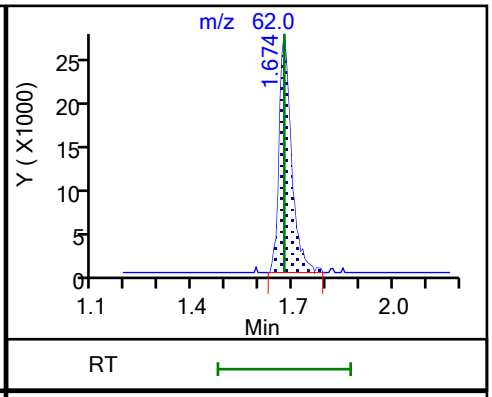
Eurofins TestAmerica, Buffalo

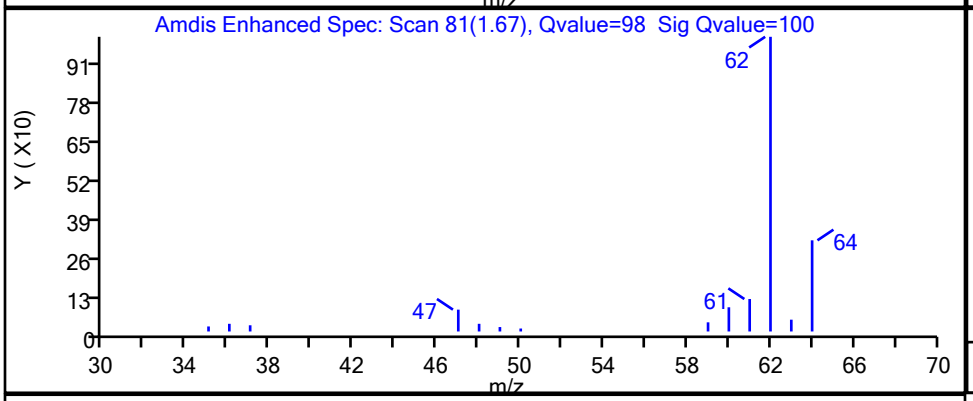
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6501.D

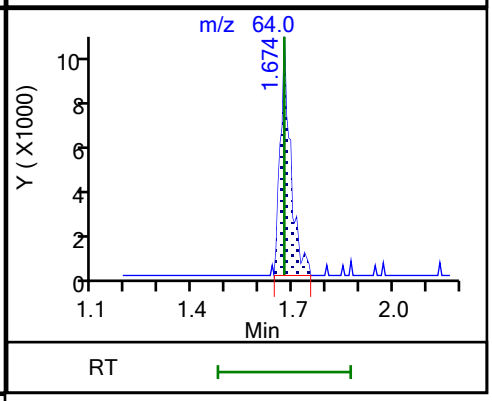
Injection Date:	05-Oct-2020 13:24:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-2	Lab Sample ID:	480-175955-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

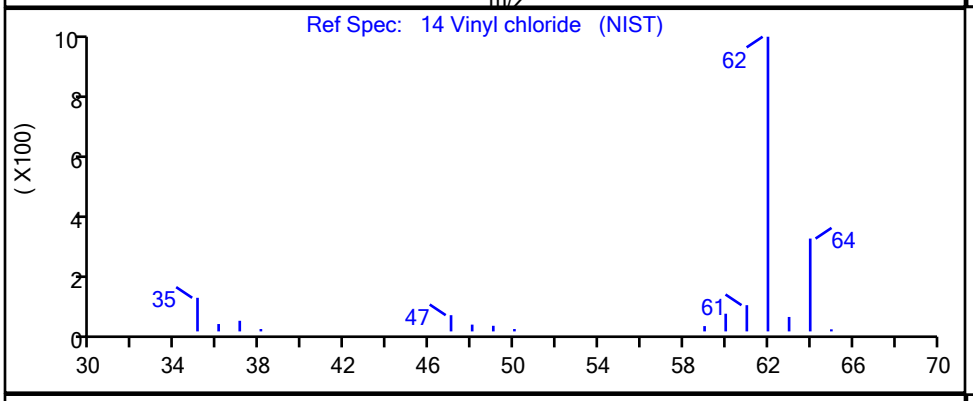
14 Vinyl chloride, CAS: 75-01-4

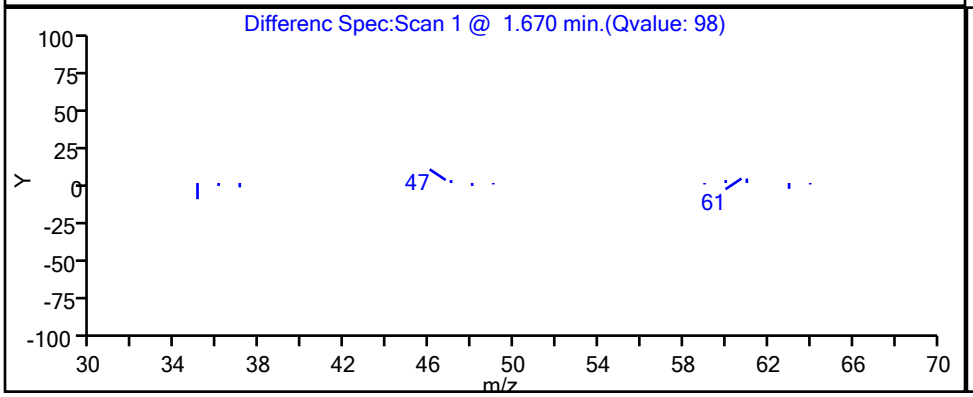


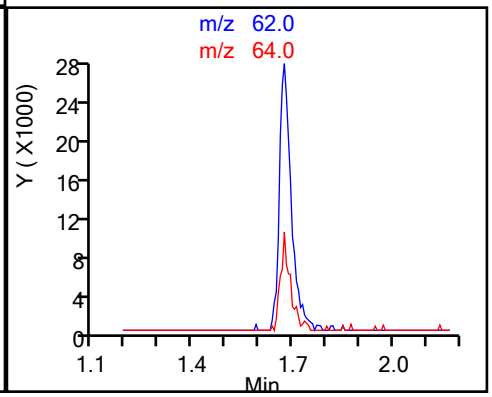












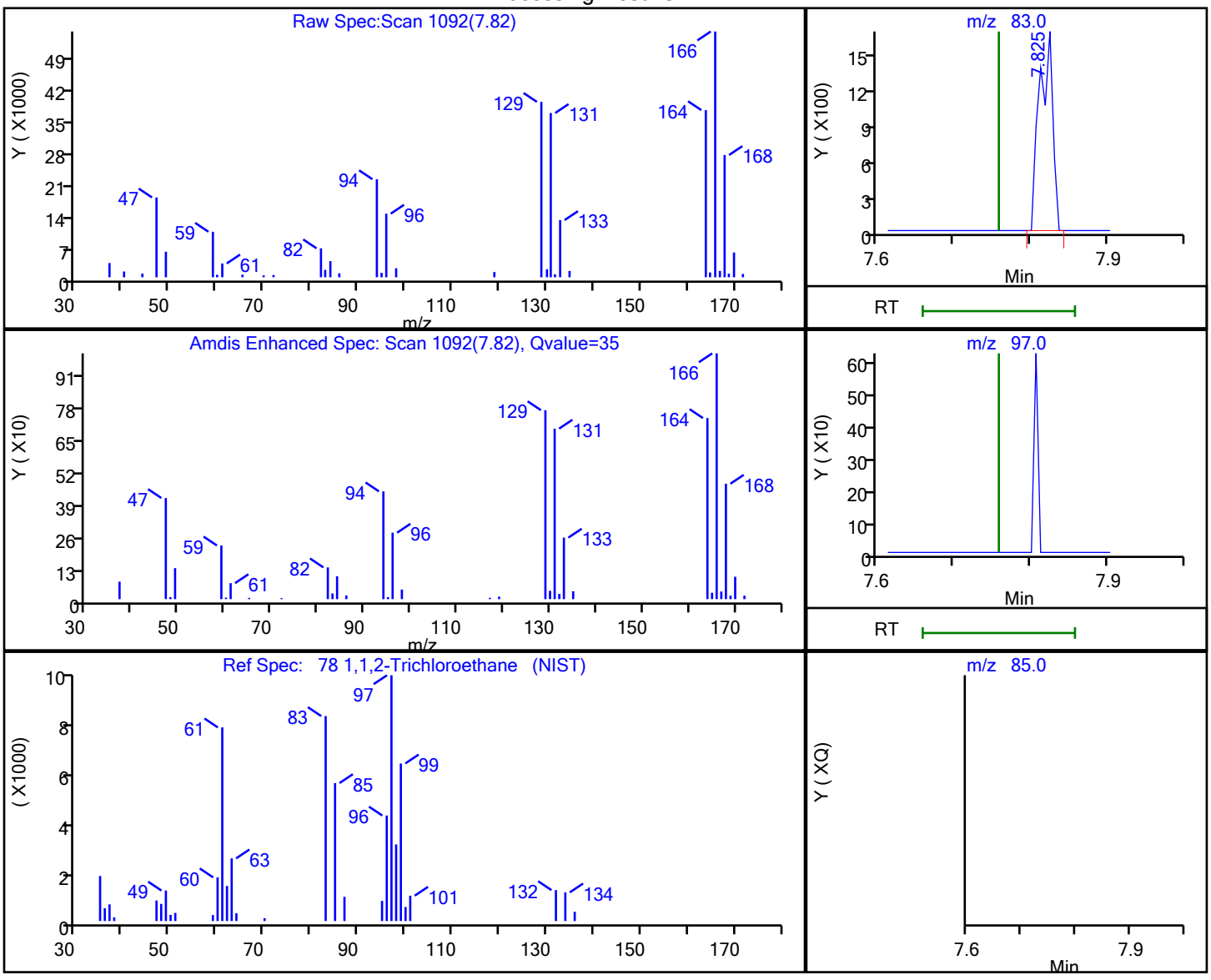
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6501.D				
Injection Date:	05-Oct-2020 13:24:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-2	Lab Sample ID:	480-175955-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.82	83.00	2007	0.352716
7.76	97.00	0	
7.76	85.00	0	

Reviewer: lapointec, 06-Oct-2020 15:57:52

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

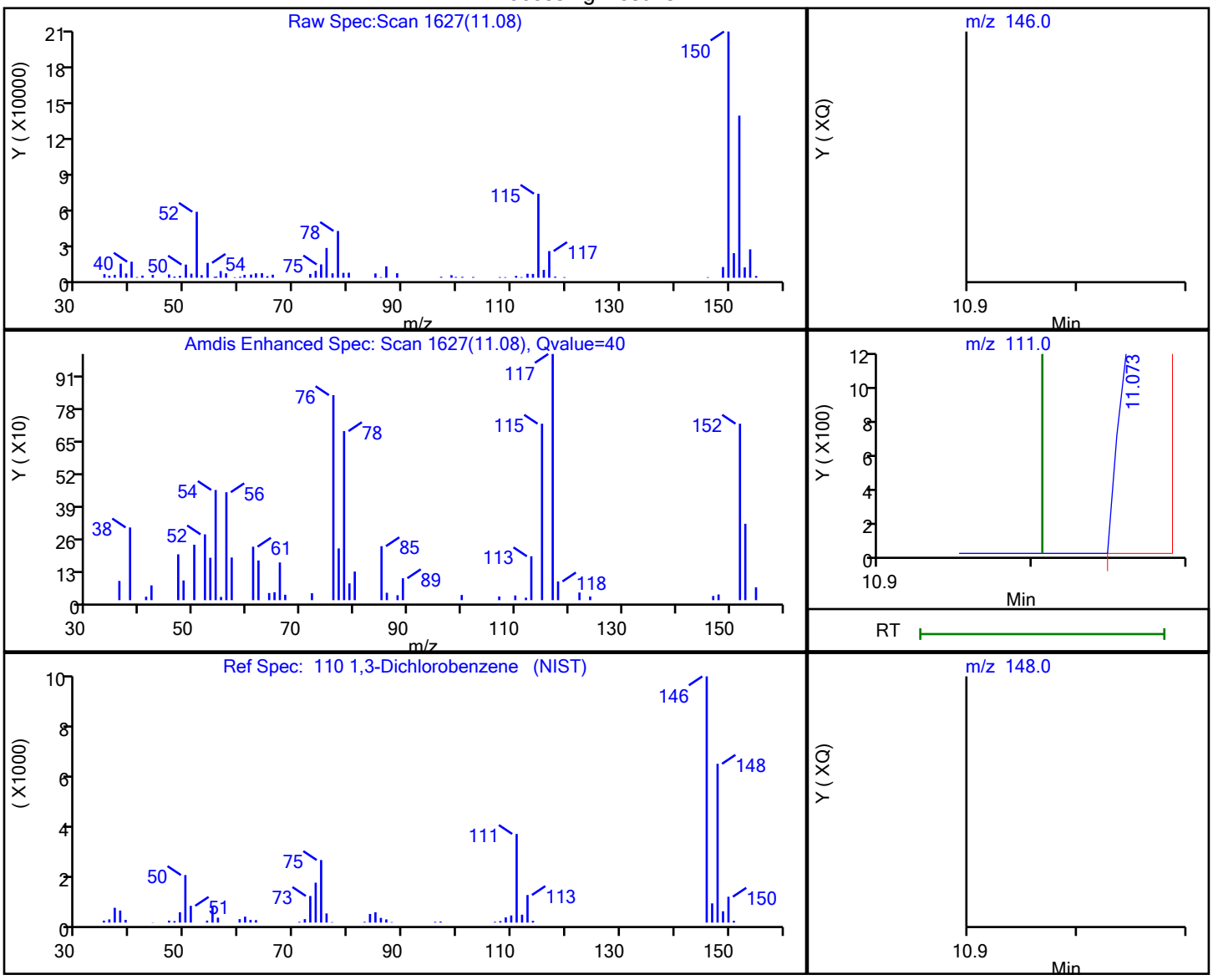
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6501.D				
Injection Date:	05-Oct-2020 13:24:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-2	Lab Sample ID:	480-175955-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

110 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
11.08	146.00	310	0.017427
11.07	111.00	3031	
11.07	148.00	530	

Reviewer: lapointec, 06-Oct-2020 15:58:02

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

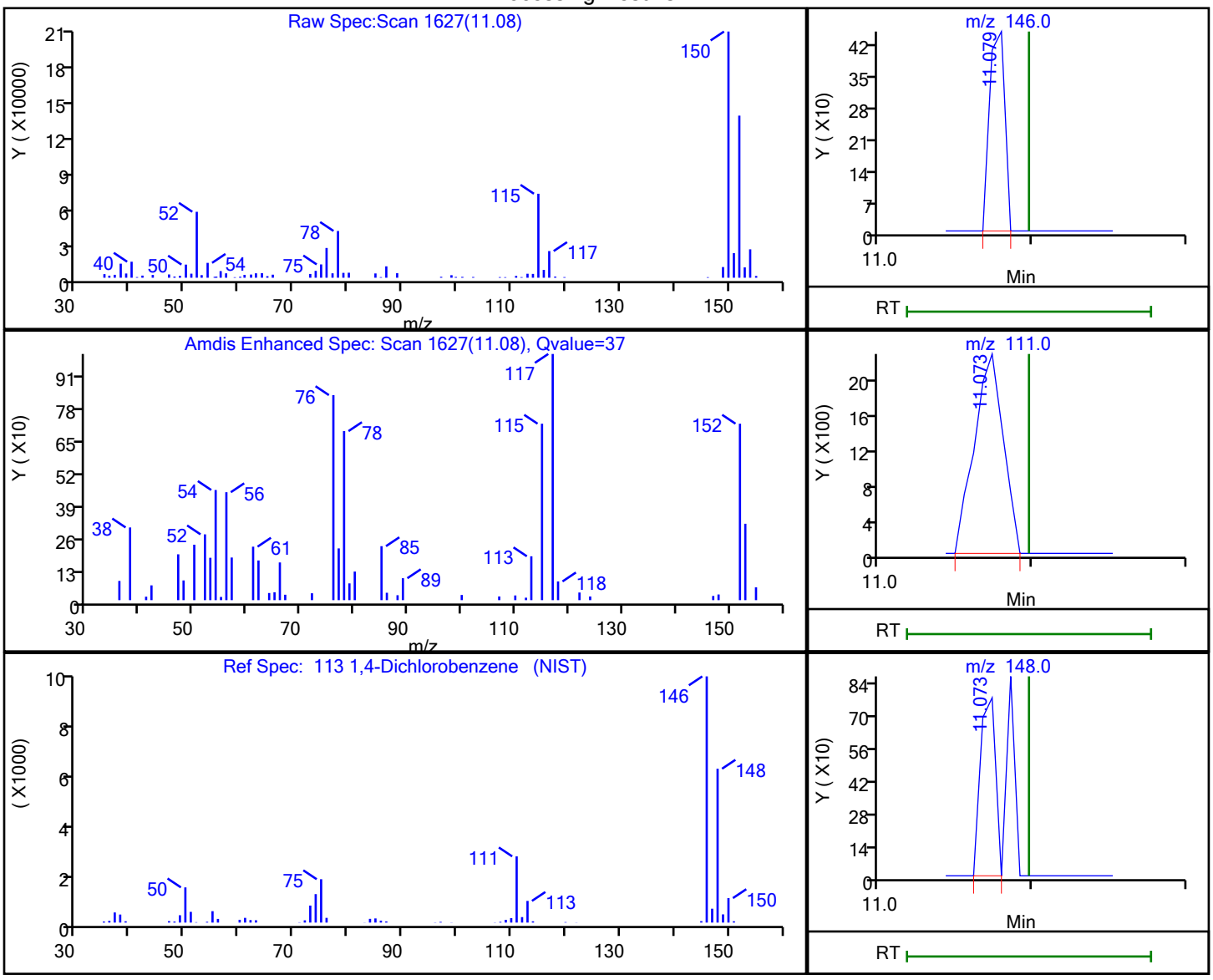
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6501.D				
Injection Date:	05-Oct-2020 13:24:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-2	Lab Sample ID:	480-175955-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
11.08	146.00	310	0.017171
11.07	111.00	3031	
11.07	148.00	530	

Reviewer: lapointec, 06-Oct-2020 15:58:07

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

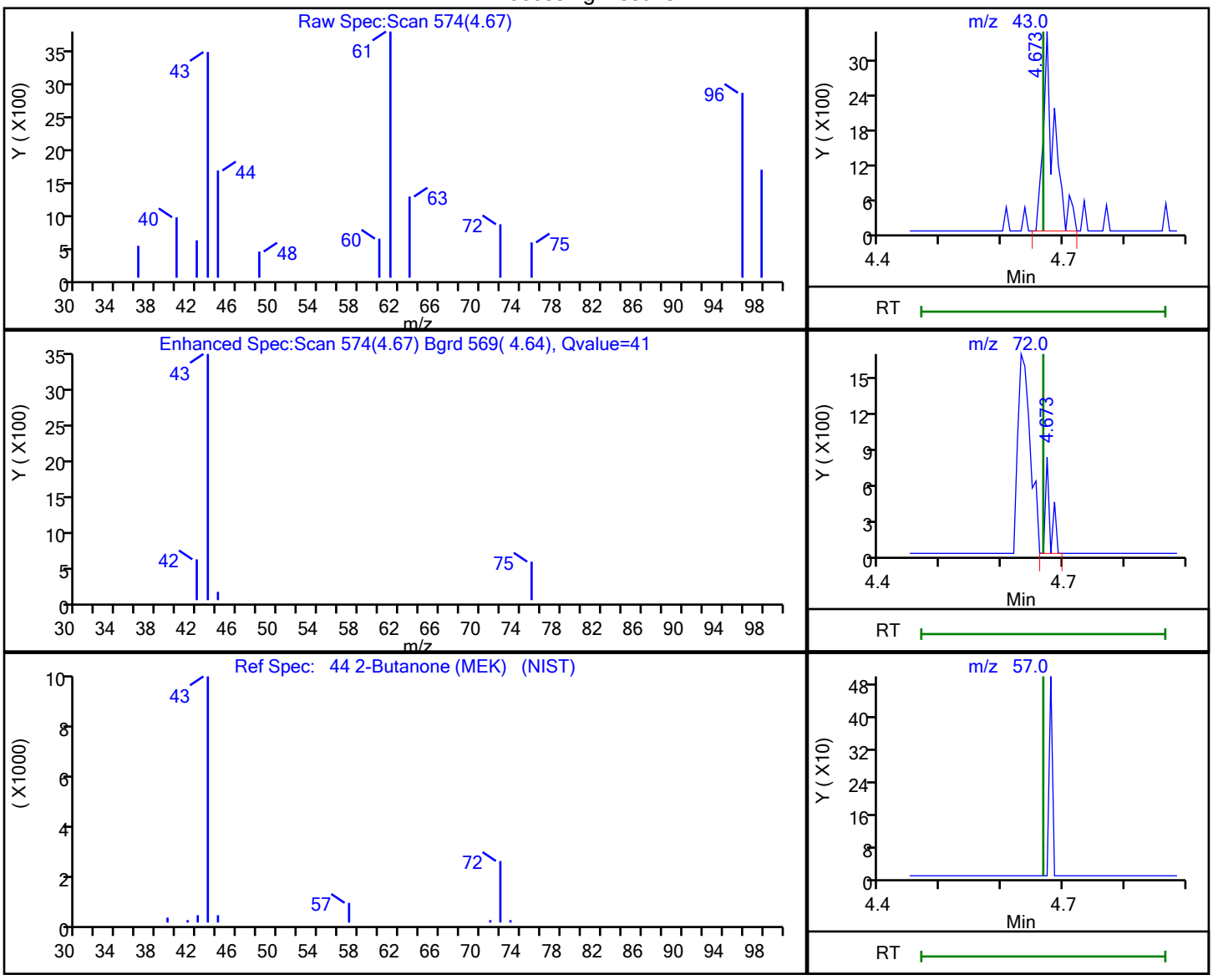
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6501.D				
Injection Date:	05-Oct-2020 13:24:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-2	Lab Sample ID:	480-175955-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

44 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.67	43.00	4354	0.567905
4.67	72.00	459	
4.67	57.00	0	

Reviewer: lapointec, 06-Oct-2020 15:57:37

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

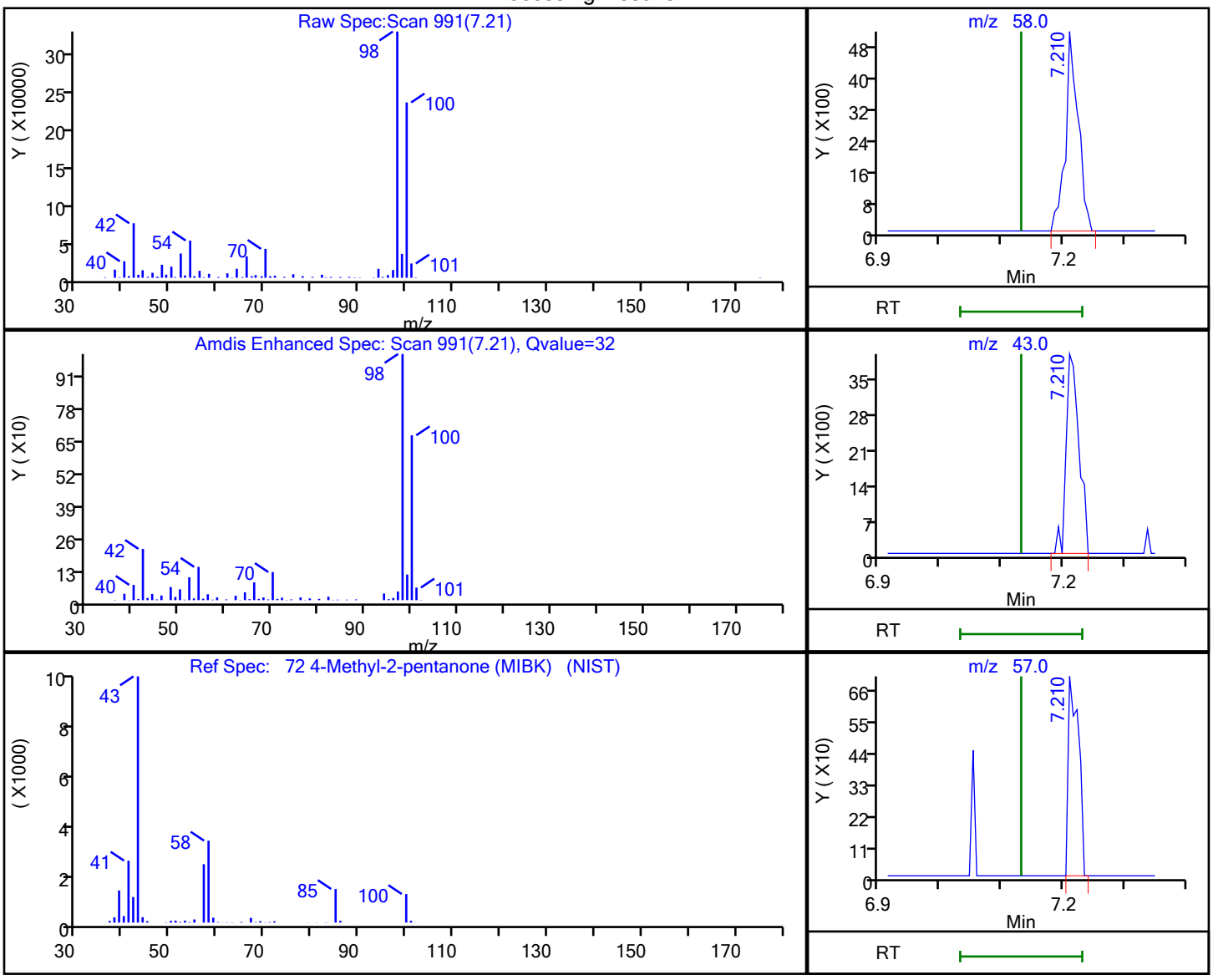
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6501.D				
Injection Date:	05-Oct-2020 13:24:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-2	Lab Sample ID:	480-175955-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.21	58.00	7468	1.355251
7.21	43.00	5703	
7.21	57.00	830	

Reviewer: lapointec, 06-Oct-2020 15:57:48

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

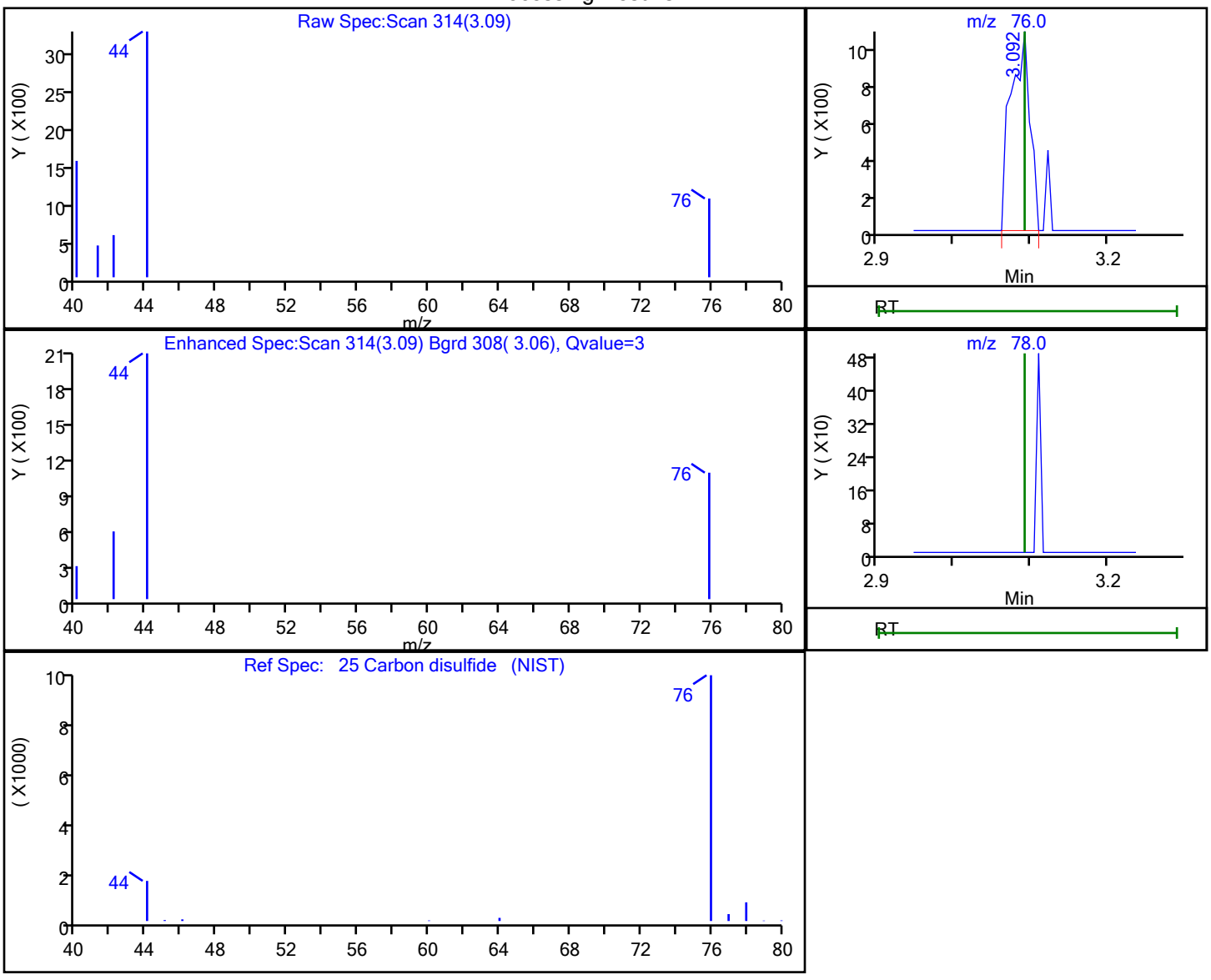
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6501.D				
Injection Date:	05-Oct-2020 13:24:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-2	Lab Sample ID:	480-175955-2		
Client ID:	RW-2				
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.09	76.00	1803	0.086210
3.09	78.00	0	

Reviewer: lapointec, 06-Oct-2020 15:57:15

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: RW-3 Lab Sample ID: 480-175955-3

Matrix: Water Lab File ID: N6502.D

Analysis Method: 8260C Date Collected: 10/02/2020 13:15

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 13:48

Soil Aliquot Vol: Dilution Factor: 4

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	5.7		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: RW-3 Lab Sample ID: 480-175955-3

Matrix: Water Lab File ID: N6502.D

Analysis Method: 8260C Date Collected: 10/02/2020 13:15

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 13:48

Soil Aliquot Vol: Dilution Factor: 4

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	200		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	2.1	J	4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6502.D
Lims ID: 480-175955-A-3
Client ID: RW-3
Sample Type: Client
Inject. Date: 05-Oct-2020 13:48:30 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-175955-A-3
Misc. Info.: 480-0093886-015
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Oct-2020 15:59:22 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: lapointec Date: 06-Oct-2020 15:59:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.701	5.695	0.006	98	131720	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	91	498169	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	95	271993	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.006	93	185127	25.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.428	5.421	0.007	97	258367	26.9	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	658199	24.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	89	209031	25.6	
11 Dichlorodifluoromethane	85		1.370				ND	
13 Chloromethane	50		1.571				ND	
14 Vinyl chloride	62		1.674				ND	
15 Bromomethane	94		2.009				ND	
16 Chloroethane	64		2.112				ND	
18 Trichlorofluoromethane	101		2.355				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.879				ND	
22 1,1-Dichloroethene	96		2.879				ND	
23 Acetone	43		3.000				ND	Ua
25 Carbon disulfide	76		3.091				ND	
28 Methyl acetate	43		3.304				ND	
30 Methylene Chloride	84	3.420	3.408	0.012	89	2960	0.3675	
32 Methyl tert-butyl ether	73		3.621				ND	
33 trans-1,2-Dichloroethene	96		3.645				ND	
36 1,1-Dichloroethane	63		4.071				ND	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	84	11627	1.43	
44 2-Butanone (MEK)	43		4.667				ND	
50 Chloroform	83		4.953				ND	Ua
51 1,1,1-Trichloroethane	97		5.069				ND	
52 Cyclohexane	56		5.075				ND	
53 Carbon tetrachloride	117		5.209				ND	
55 Benzene	78		5.428				ND	
57 1,2-Dichloroethane	62		5.494				ND	
60 Trichloroethene	95	6.042	6.036	0.006	84	4043	0.5318	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.158				ND	
63 1,2-Dichloropropane	63		6.285				ND	
67 Dichlorobromomethane	83		6.577				ND	
71 cis-1,3-Dichloropropene	75		6.991				ND	
72 4-Methyl-2-pentanone (MIBK)	58		7.131				ND	U
73 Toluene	92		7.283				ND	
75 trans-1,3-Dichloropropene	75		7.563				ND	
78 1,1,2-Trichloroethane	83		7.758				ND	U
79 Tetrachloroethene	166	7.819	7.819	0.000	93	401115	49.4	
82 2-Hexanone	43		7.977				ND	
83 Chlorodibromomethane	129		8.159				ND	
84 Ethylene Dibromide	107		8.269				ND	
85 Chlorobenzene	112		8.743				ND	
88 Ethylbenzene	91		8.828				ND	
90 m-Xylene & p-Xylene	106		8.950				ND	
91 o-Xylene	106		9.382				ND	
92 Styrene	104		9.412				ND	
93 Bromoform	173		9.662				ND	
95 Isopropylbenzene	105		9.753				ND	
98 1,1,2,2-Tetrachloroethane	83		10.148				ND	
110 1,3-Dichlorobenzene	146		11.006				ND	
113 1,4-Dichlorobenzene	146		11.097				ND	
116 1,2-Dichlorobenzene	146		11.444				ND	
117 1,2-Dibromo-3-Chloropropane	75		12.168				ND	
119 1,2,4-Trichlorobenzene	180		12.837				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

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

Reagents:

N 8260 IS_00199	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00401	Amount Added:	1.00	Units: uL	Run Reagent

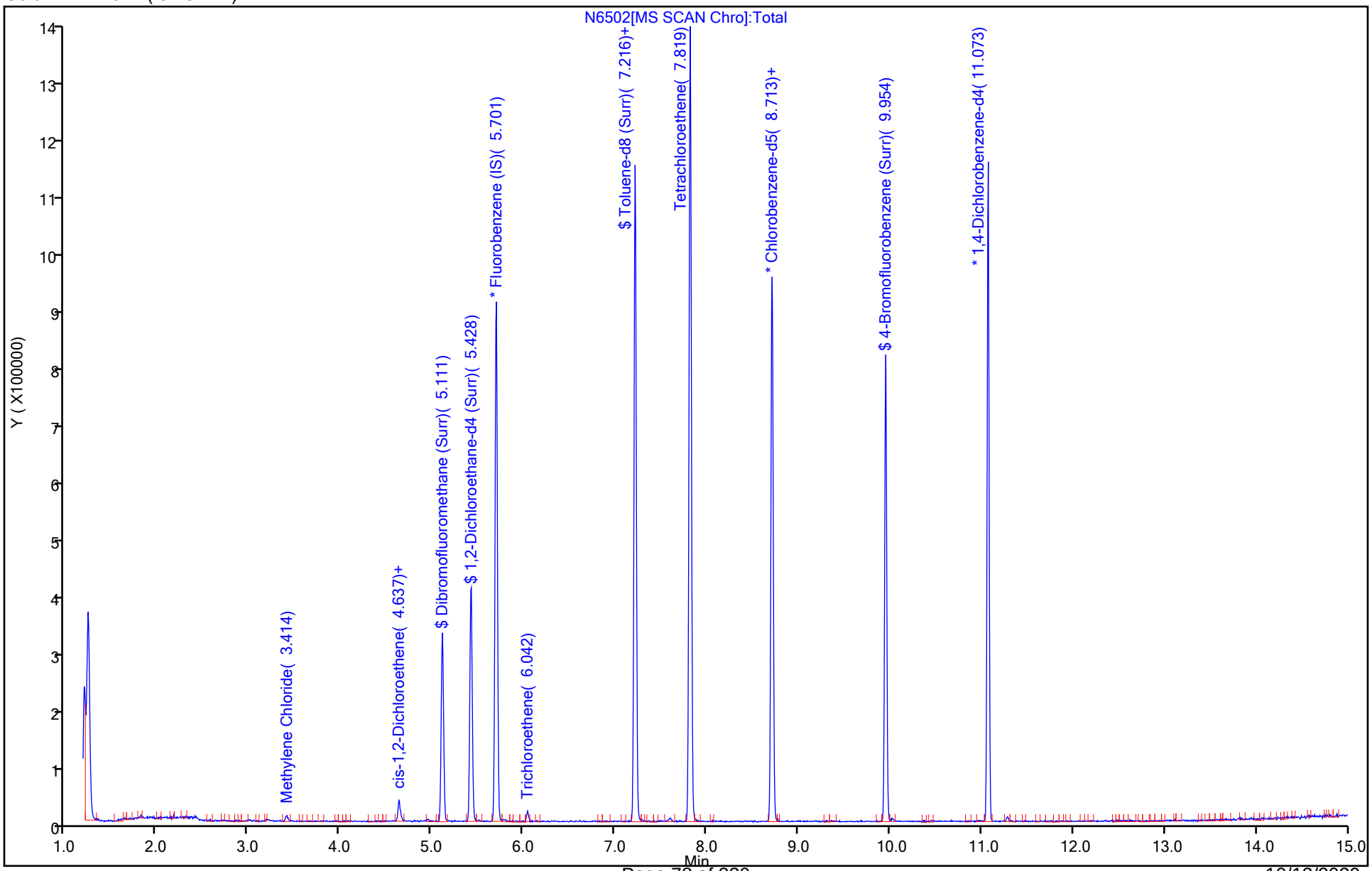
Report Date: 06-Oct-2020 15:59:22 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6502.D

Injection Date:	05-Oct-2020 13:48:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-175955-A-3	Lab Sample ID:	480-175955-3	Worklist Smp#:	15
Client ID:	RW-3				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	8
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

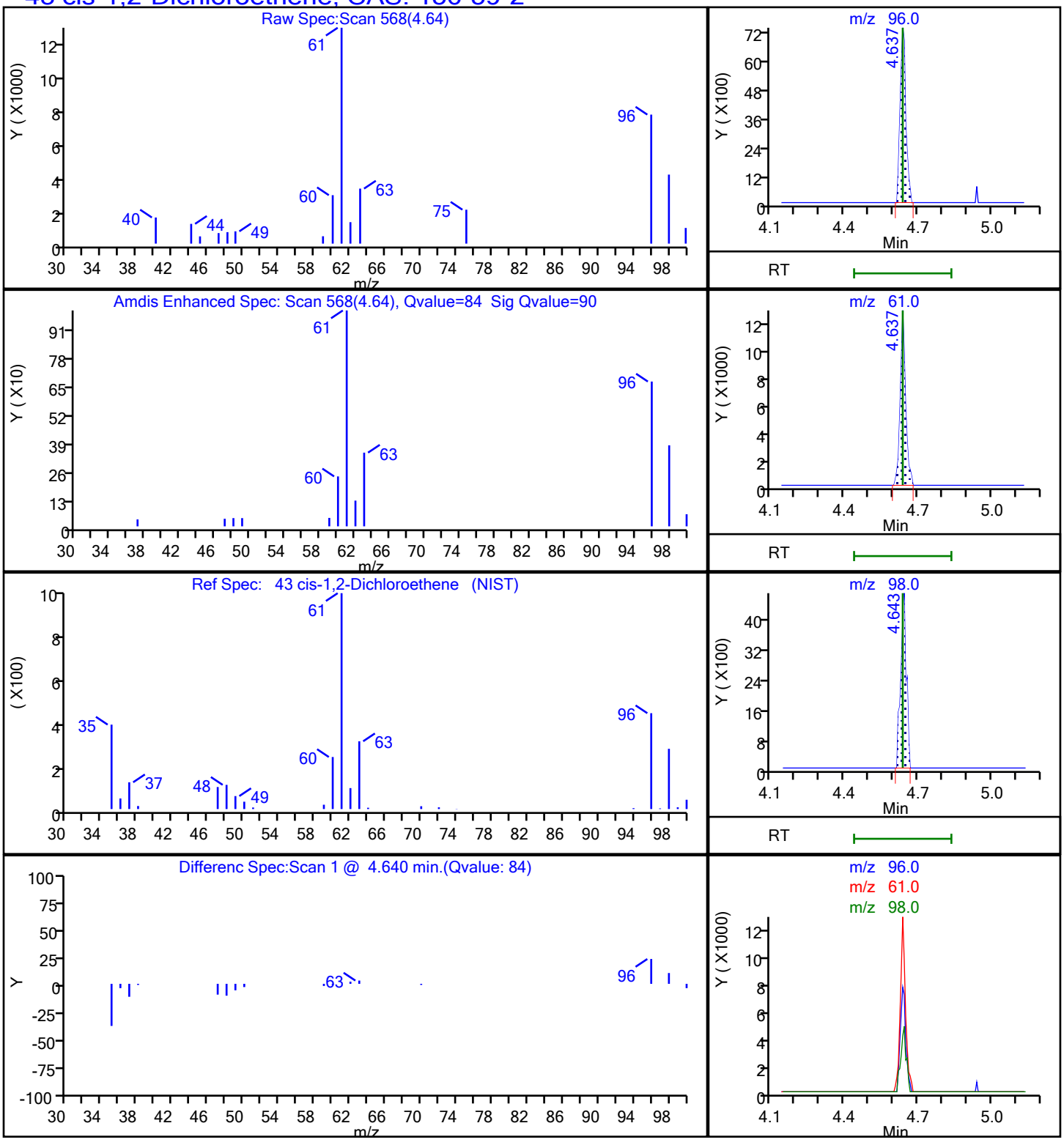


Report Date: 06-Oct-2020 15:59:22 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6502.D				
Injection Date:	05-Oct-2020 13:48:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-3	Lab Sample ID:	480-175955-3		
Client ID:	RW-3				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2

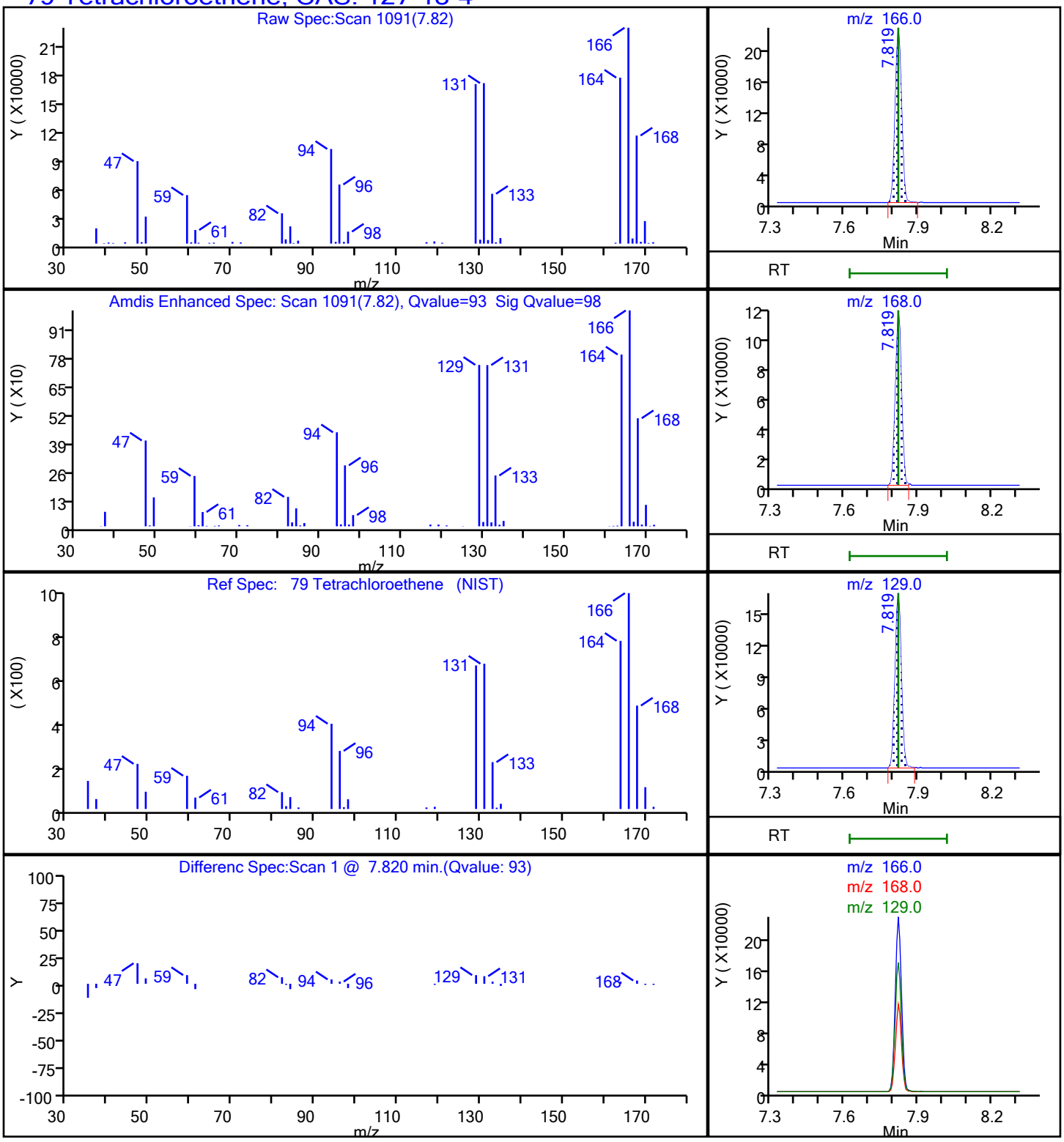


Report Date: 06-Oct-2020 15:59:22 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6502.D				
Injection Date:	05-Oct-2020 13:48:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-3	Lab Sample ID:	480-175955-3		
Client ID:	RW-3				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 Tetrachloroethene, CAS: 127-18-4

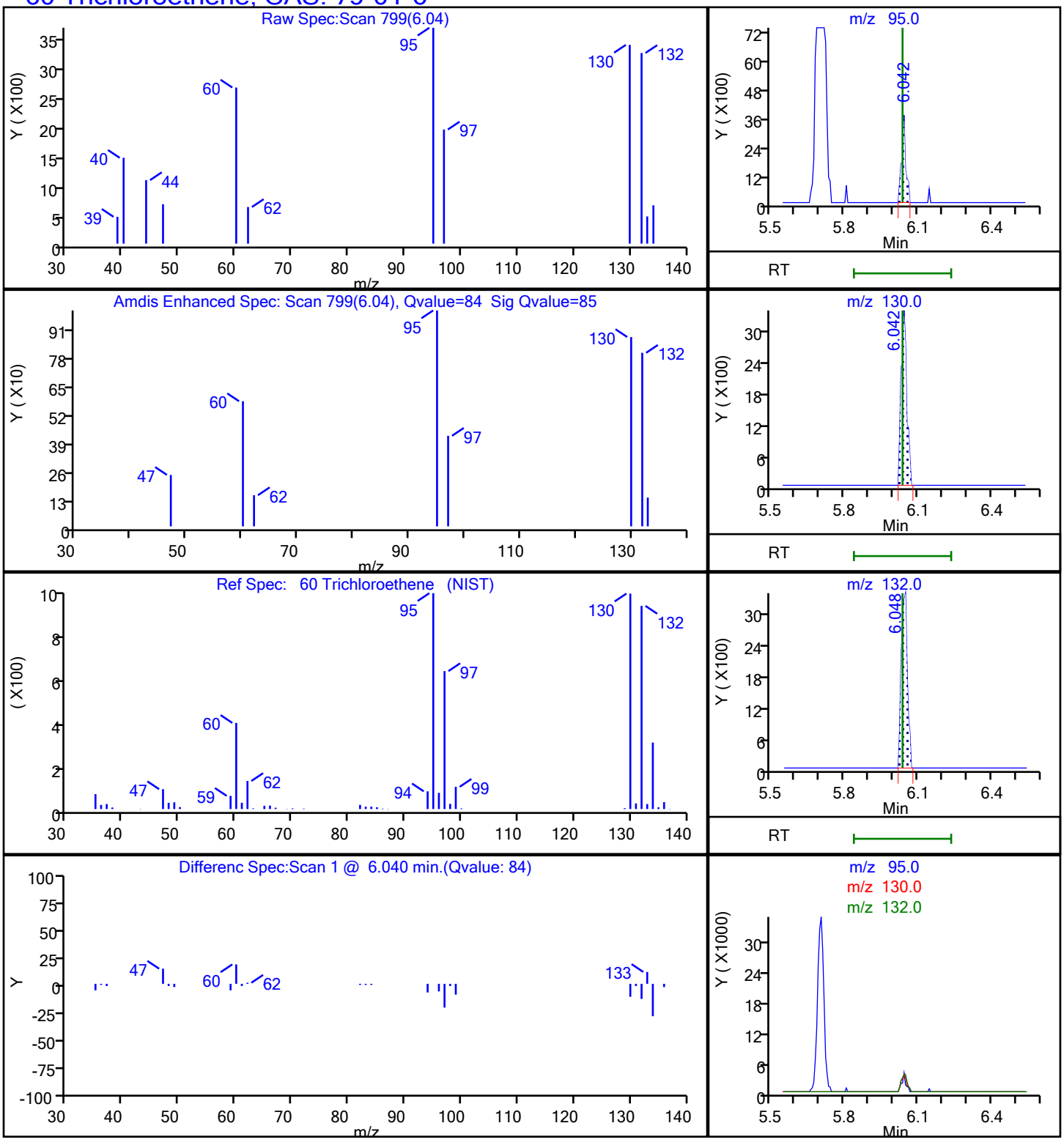


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6502.D

Injection Date:	05-Oct-2020 13:48:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-3	Lab Sample ID:	480-175955-3		
Client ID:	RW-3				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6



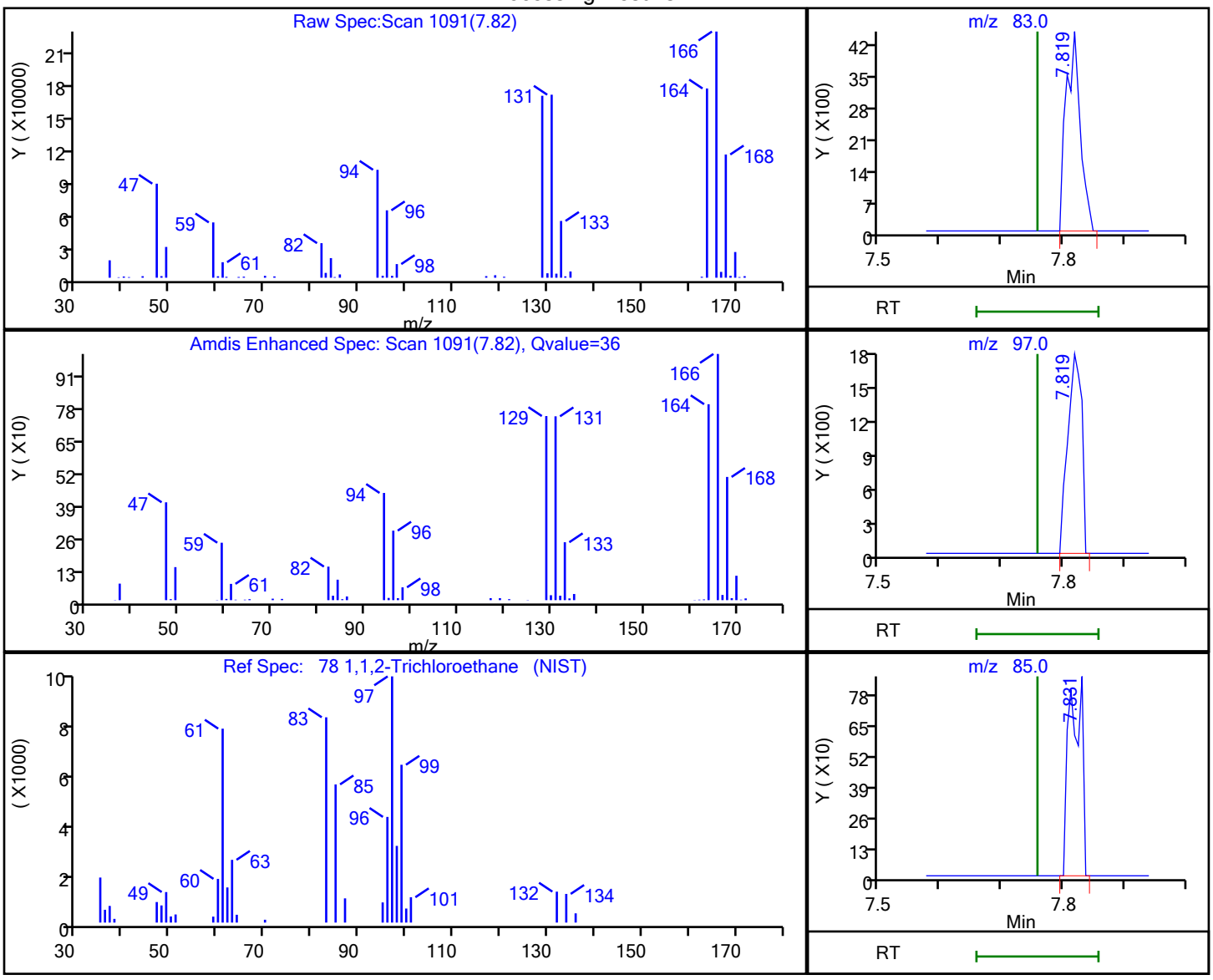
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6502.D				
Injection Date:	05-Oct-2020 13:48:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-3	Lab Sample ID:	480-175955-3		
Client ID:	RW-3				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.82	83.00	7072	1.264383
7.82	97.00	2718	
7.83	85.00	1260	

Reviewer: lapointec, 06-Oct-2020 15:59:11

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

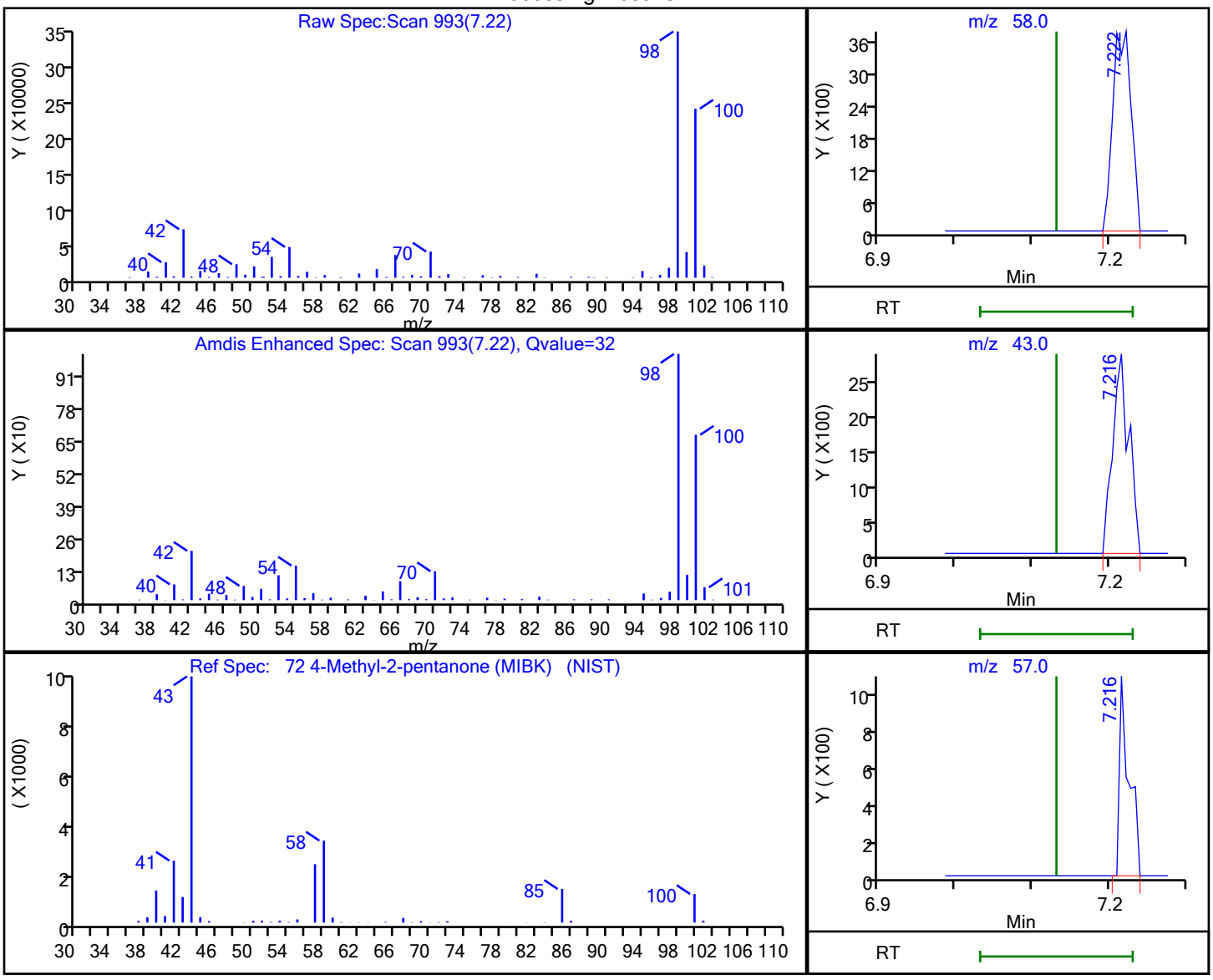
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6502.D				
Injection Date:	05-Oct-2020 13:48:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-3	Lab Sample ID:	480-175955-3		
Client ID:	RW-3				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.22	58.00	6225	1.149248
7.22	43.00	4162	
7.22	57.00	898	

Reviewer: lapointec, 06-Oct-2020 15:59:07

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-175955-4

Matrix: Water Lab File ID: S2378.D

Analysis Method: 8260C Date Collected: 10/02/2020 13:20

Sample wt/vol: 5(mL) Date Analyzed: 10/06/2020 10:47

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552557 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-175955-4

Matrix: Water Lab File ID: S2378.D

Analysis Method: 8260C Date Collected: 10/02/2020 13:20

Sample wt/vol: 5(mL) Date Analyzed: 10/06/2020 10:47

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552557 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2378.D
Lims ID: 480-175955-B-4
Client ID: DUP
Sample Type: Client
Inject. Date: 06-Oct-2020 10:47:30 ALS Bottle#: 1 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-175955-B-4
Misc. Info.: 480-0093912-008
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Oct-2020 08:33:05 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1641

First Level Reviewer: moffata Date: 07-Oct-2020 08:33:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.345	5.352	-0.007	99	120790	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	-0.001	86	274906	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.735	10.729	0.006	94	282011	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	55	164955	28.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	91	107345	27.2	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	94	638838	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	88	211818	25.8	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.422				ND	
13 Vinyl chloride	62		1.501				ND	
14 Bromomethane	94		1.799				ND	
15 Chloroethane	64		1.866				ND	
17 Trichlorofluoromethane	101		2.091				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.578				ND	
22 1,1-Dichloroethene	96		2.584				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	U
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.101				ND	7
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.342				ND	
50 Chloroform	83		4.616				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.686				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.450				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	U
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.843				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00370	Amount Added:	1.00	Units: uL	Run Reagent

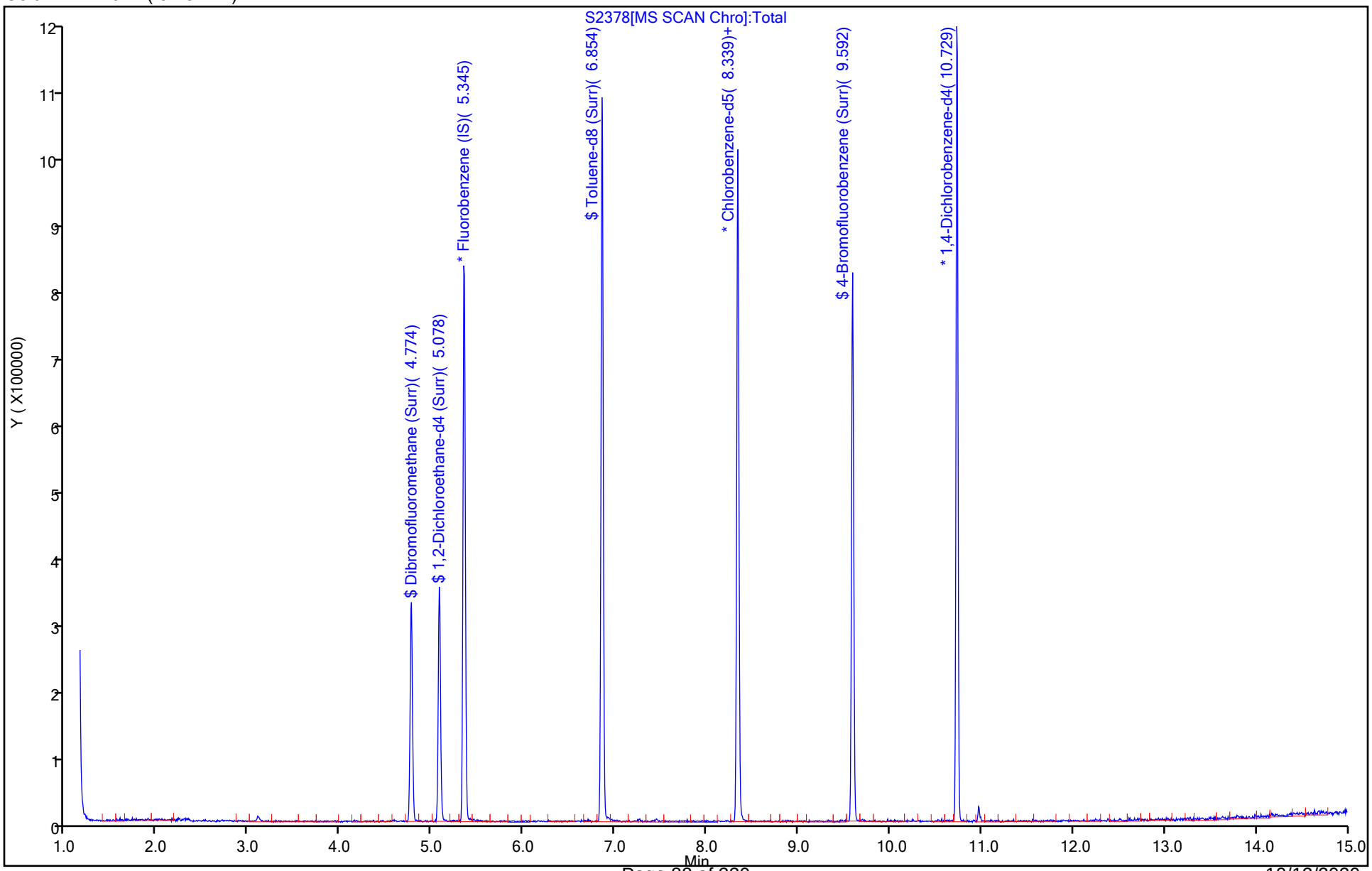
Report Date: 07-Oct-2020 08:33:05 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2378.D

Injection Date:	06-Oct-2020 10:47:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-175955-B-4	Lab Sample ID:	480-175955-4	Worklist Smp#:	8
Client ID:	DUP				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



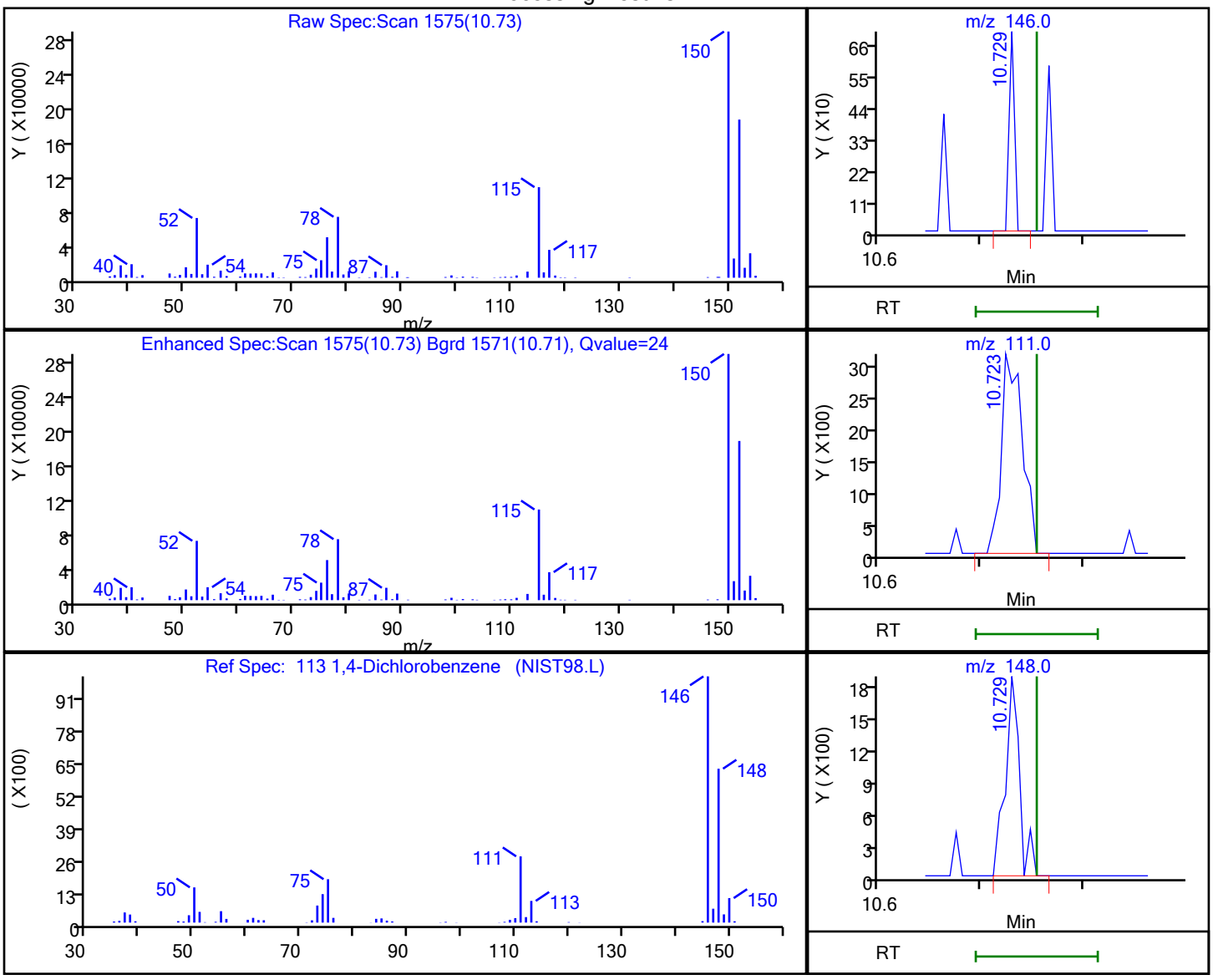
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2378.D				
Injection Date:	06-Oct-2020 10:47:30	Instrument ID:	HP5973S		
Lims ID:	480-175955-B-4	Lab Sample ID:	480-175955-4		
Client ID:	DUP				
Operator ID:	AM	ALS Bottle#:	1	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
10.73	146.00	256	0.012541
10.72	111.00	4449	
10.73	148.00	1820	

Reviewer: moffata, 07-Oct-2020 08:33:03

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

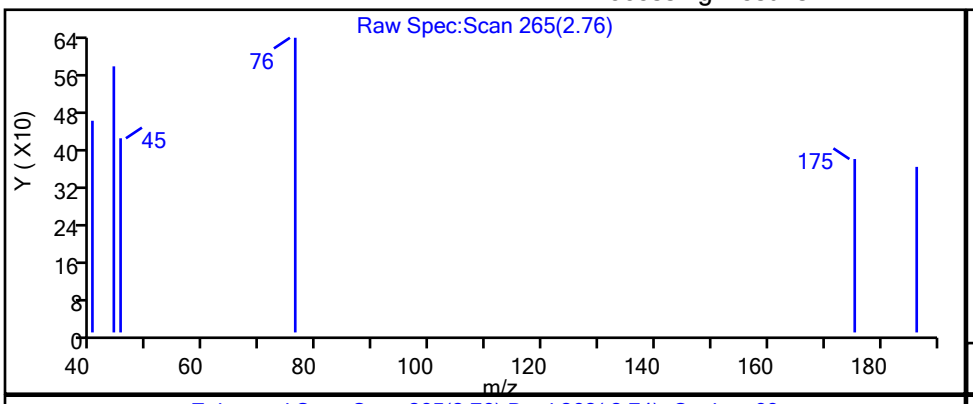
User Disabled Compound Report

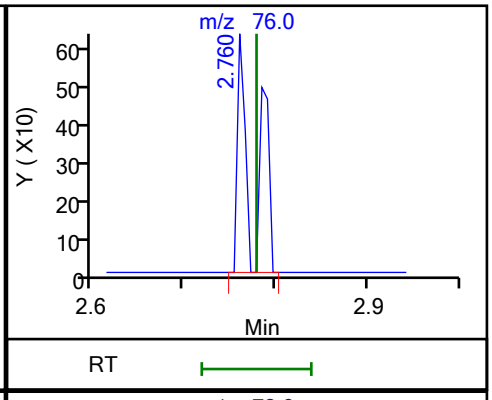
Eurofins TestAmerica, Buffalo

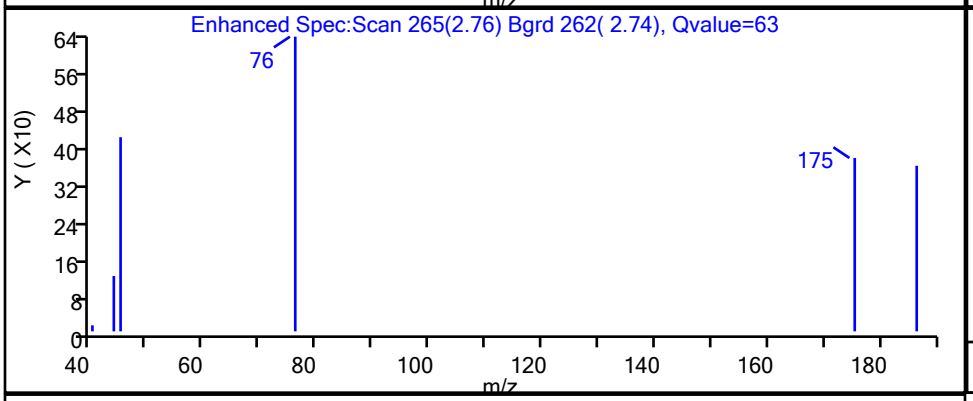
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2378.D				
Injection Date:	06-Oct-2020 10:47:30	Instrument ID:	HP5973S		
Lims ID:	480-175955-B-4	Lab Sample ID:	480-175955-4		
Client ID:	DUP				
Operator ID:	AM	ALS Bottle#:	1	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

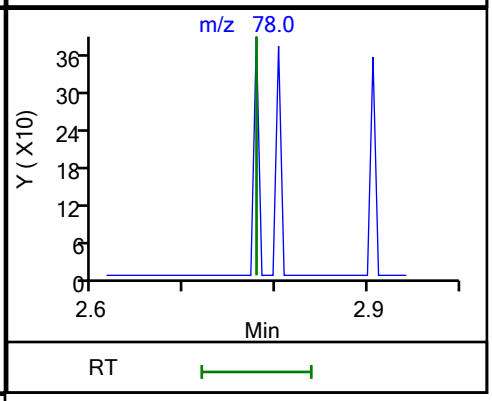
26 Carbon disulfide, CAS: 75-15-0

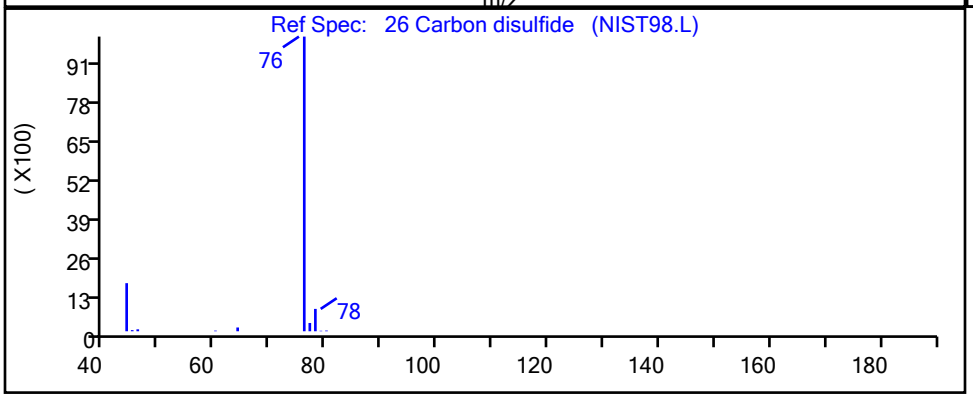
Processing Results











RT	Mass	Response	Amount
2.76	76.00	722	0.036503
2.78	78.00	0	

Reviewer: moffata, 07-Oct-2020 08:32:34

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-175955-5

Matrix: Water Lab File ID: N6504.D

Analysis Method: 8260C Date Collected: 10/02/2020 13:00

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 14:36

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-175955-5

Matrix: Water Lab File ID: N6504.D

Analysis Method: 8260C Date Collected: 10/02/2020 13:00

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 14:36

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	115		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6504.D
Lims ID: 480-175955-A-5
Client ID: EFFLUENT
Sample Type: Client
Inject. Date: 05-Oct-2020 14:36:30 ALS Bottle#: 10 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-175955-A-5
Misc. Info.: 480-0093886-017
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Oct-2020 16:01:05 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: lapointec Date: 06-Oct-2020 16:01:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.695	5.695	0.000	98	118615	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	91	459866	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	95	270885	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.006	91	185025	28.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.422	5.421	0.001	97	243687	28.2	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	611580	24.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	90	198133	26.3	
11 Dichlorodifluoromethane	85		1.370				ND	
13 Chloromethane	50		1.571				ND	
14 Vinyl chloride	62		1.674				ND	
15 Bromomethane	94		2.009				ND	
16 Chloroethane	64		2.112				ND	
18 Trichlorofluoromethane	101		2.355				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.879				ND	
22 1,1-Dichloroethene	96		2.879				ND	
23 Acetone	43		3.000				ND	Ua
25 Carbon disulfide	76		3.091				ND	7
28 Methyl acetate	43		3.304				ND	
30 Methylene Chloride	84		3.408				ND	
32 Methyl tert-butyl ether	73		3.621				ND	
33 trans-1,2-Dichloroethene	96		3.645				ND	
36 1,1-Dichloroethane	63		4.071				ND	
43 cis-1,2-Dichloroethene	96		4.637				ND	
44 2-Butanone (MEK)	43		4.667				ND	
50 Chloroform	83		4.953				ND	
51 1,1,1-Trichloroethane	97		5.069				ND	
52 Cyclohexane	56		5.075				ND	
53 Carbon tetrachloride	117		5.209				ND	
55 Benzene	78		5.428				ND	
57 1,2-Dichloroethane	62		5.494				ND	
60 Trichloroethene	95		6.036				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.158				ND	
63 1,2-Dichloropropane	63		6.285				ND	
67 Dichlorobromomethane	83		6.577				ND	
71 cis-1,3-Dichloropropene	75		6.991				ND	
72 4-Methyl-2-pentanone (MIBK)	58		7.131				ND	
73 Toluene	92		7.283				ND	
75 trans-1,3-Dichloropropene	75		7.563				ND	
78 1,1,2-Trichloroethane	83		7.758				ND	
79 Tetrachloroethene	166		7.818				ND	
82 2-Hexanone	43		7.977				ND	
83 Chlorodibromomethane	129		8.159				ND	
84 Ethylene Dibromide	107		8.269				ND	
85 Chlorobenzene	112		8.743				ND	
88 Ethylbenzene	91		8.828				ND	
90 m-Xylene & p-Xylene	106		8.950				ND	
91 o-Xylene	106		9.382				ND	
92 Styrene	104		9.412				ND	
93 Bromoform	173		9.662				ND	
95 Isopropylbenzene	105		9.753				ND	
98 1,1,2,2-Tetrachloroethane	83		10.148				ND	
110 1,3-Dichlorobenzene	146		11.006				ND	
113 1,4-Dichlorobenzene	146		11.097				ND	
116 1,2-Dichlorobenzene	146		11.444				ND	
117 1,2-Dibromo-3-Chloropropane	75		12.168				ND	
119 1,2,4-Trichlorobenzene	180		12.837				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

N 8260 IS_00199	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00401	Amount Added:	1.00	Units: uL	Run Reagent

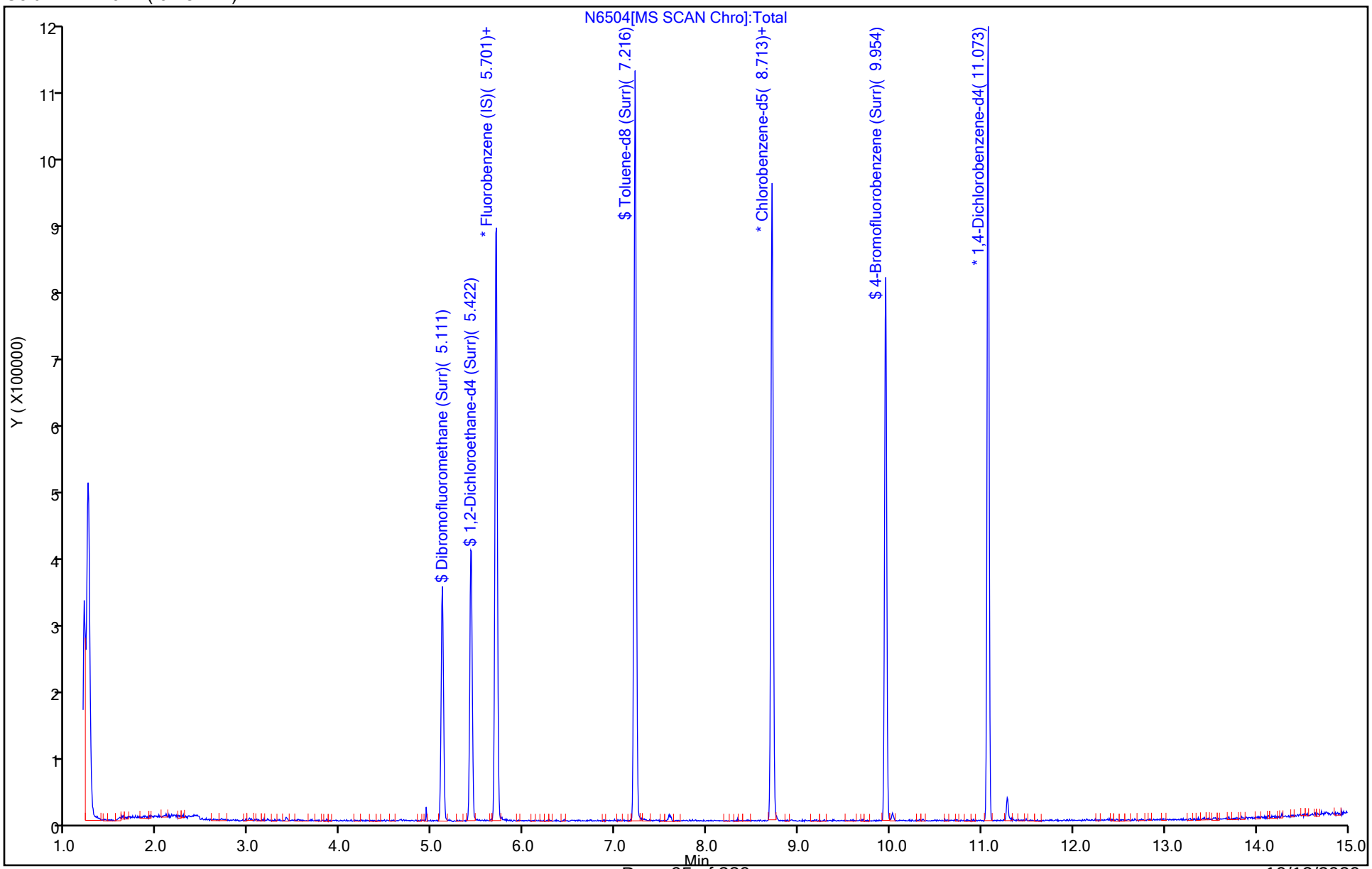
Report Date: 06-Oct-2020 16:01:05 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6504.D

Injection Date:	05-Oct-2020 14:36:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-175955-A-5	Lab Sample ID:	480-175955-5	Worklist Smp#:	17
Client ID:	EFFLUENT				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-175955-6

Matrix: Water Lab File ID: N6505.D

Analysis Method: 8260C Date Collected: 10/02/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 15:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-175955-6

Matrix: Water Lab File ID: N6505.D

Analysis Method: 8260C Date Collected: 10/02/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 15:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6505.D
Lims ID: 480-175955-A-6
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 05-Oct-2020 15:01:30 ALS Bottle#: 11 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-175955-A-6
Misc. Info.: 480-0093886-018
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Oct-2020 16:02:10 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: lapointec Date: 06-Oct-2020 16:02:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.695	5.695	0.000	97	129225	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	91	509488	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	95	263415	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.006	92	183173	26.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.421	5.421	0.000	97	254632	27.0	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	683591	24.5	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	89	215293	25.8	
11 Dichlorodifluoromethane	85		1.370				ND	
13 Chloromethane	50		1.571				ND	
14 Vinyl chloride	62		1.674				ND	
15 Bromomethane	94		2.009				ND	
16 Chloroethane	64		2.112				ND	
18 Trichlorofluoromethane	101		2.355				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.879				ND	
22 1,1-Dichloroethene	96		2.879				ND	
23 Acetone	43	3.000	3.006	0.000	93	12060	2.63	
25 Carbon disulfide	76		3.091				ND	
28 Methyl acetate	43		3.304				ND	
30 Methylene Chloride	84	3.402	3.408	-0.006	88	2130	0.2696	
32 Methyl tert-butyl ether	73		3.621				ND	
33 trans-1,2-Dichloroethene	96		3.645				ND	
36 1,1-Dichloroethane	63		4.071				ND	
43 cis-1,2-Dichloroethene	96		4.637				ND	
44 2-Butanone (MEK)	43		4.667				ND	U
50 Chloroform	83		4.953				ND	
51 1,1,1-Trichloroethane	97		5.069				ND	
52 Cyclohexane	56		5.075				ND	
53 Carbon tetrachloride	117		5.209				ND	
55 Benzene	78		5.428				ND	
57 1,2-Dichloroethane	62		5.494				ND	
60 Trichloroethene	95		6.036				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		6.158				ND	
63 1,2-Dichloropropane	63		6.285				ND	
67 Dichlorobromomethane	83		6.577				ND	
71 cis-1,3-Dichloropropene	75		6.991				ND	
72 4-Methyl-2-pentanone (MIBK)	58		7.131				ND	U
73 Toluene	92		7.283				ND	Ua
75 trans-1,3-Dichloropropene	75		7.563				ND	
78 1,1,2-Trichloroethane	83		7.758				ND	
79 Tetrachloroethene	166		7.818				ND	
82 2-Hexanone	43		7.977				ND	
83 Chlorodibromomethane	129		8.159				ND	
84 Ethylene Dibromide	107		8.269				ND	
85 Chlorobenzene	112		8.743				ND	
88 Ethylbenzene	91		8.828				ND	
90 m-Xylene & p-Xylene	106		8.950				ND	
91 o-Xylene	106		9.382				ND	
92 Styrene	104		9.412				ND	
93 Bromoform	173		9.662				ND	
95 Isopropylbenzene	105		9.753				ND	
98 1,1,2,2-Tetrachloroethane	83		10.148				ND	
110 1,3-Dichlorobenzene	146		11.006				ND	
113 1,4-Dichlorobenzene	146		11.097				ND	
116 1,2-Dichlorobenzene	146		11.444				ND	
117 1,2-Dibromo-3-Chloropropane	75		12.168				ND	
119 1,2,4-Trichlorobenzene	180		12.837				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

N 8260 IS_00199	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00401	Amount Added:	1.00	Units: uL	Run Reagent

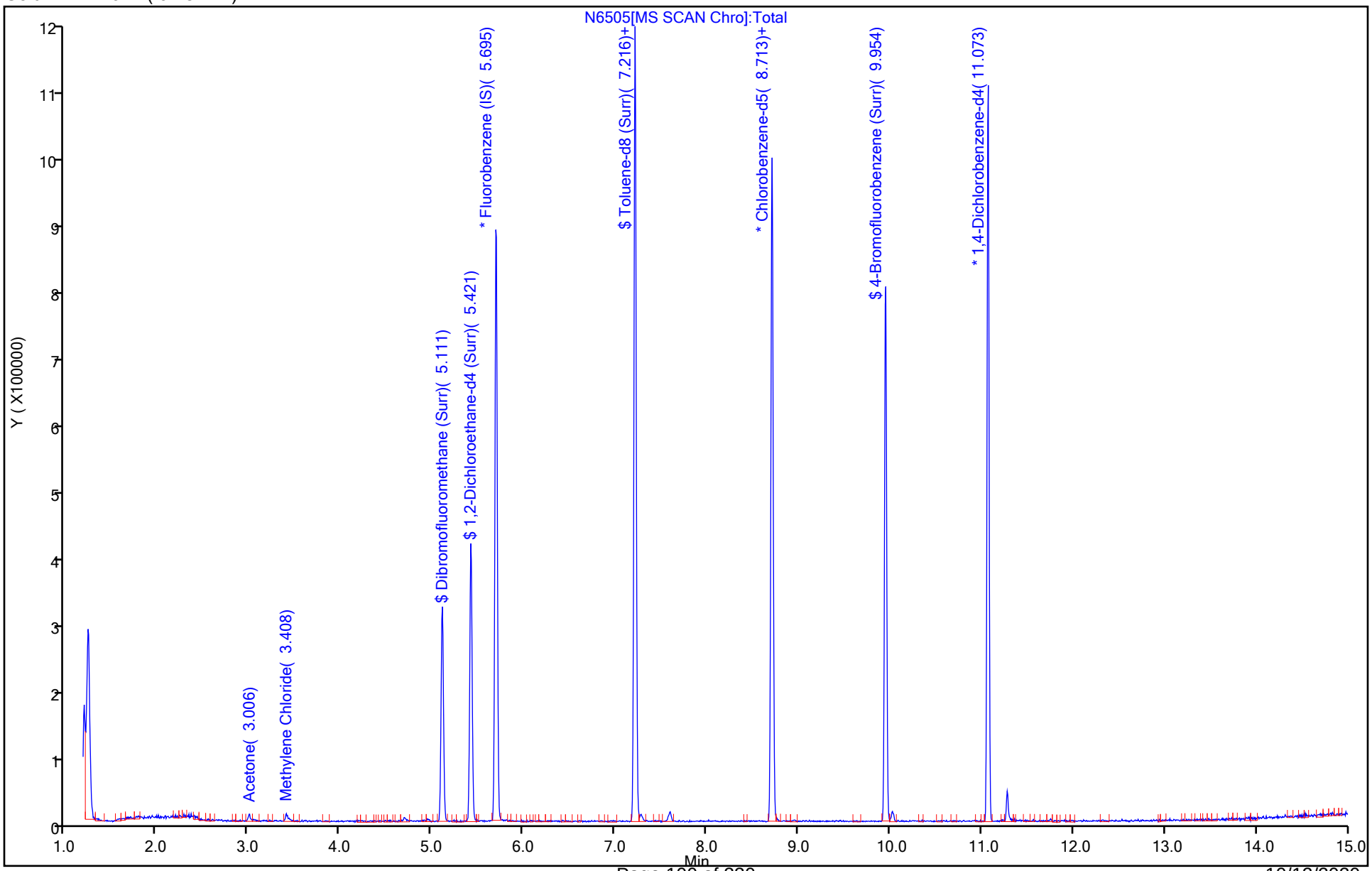
Report Date: 06-Oct-2020 16:02:10 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6505.D

Injection Date:	05-Oct-2020 15:01:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-175955-A-6	Lab Sample ID:	480-175955-6	Worklist Smp#:	18
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



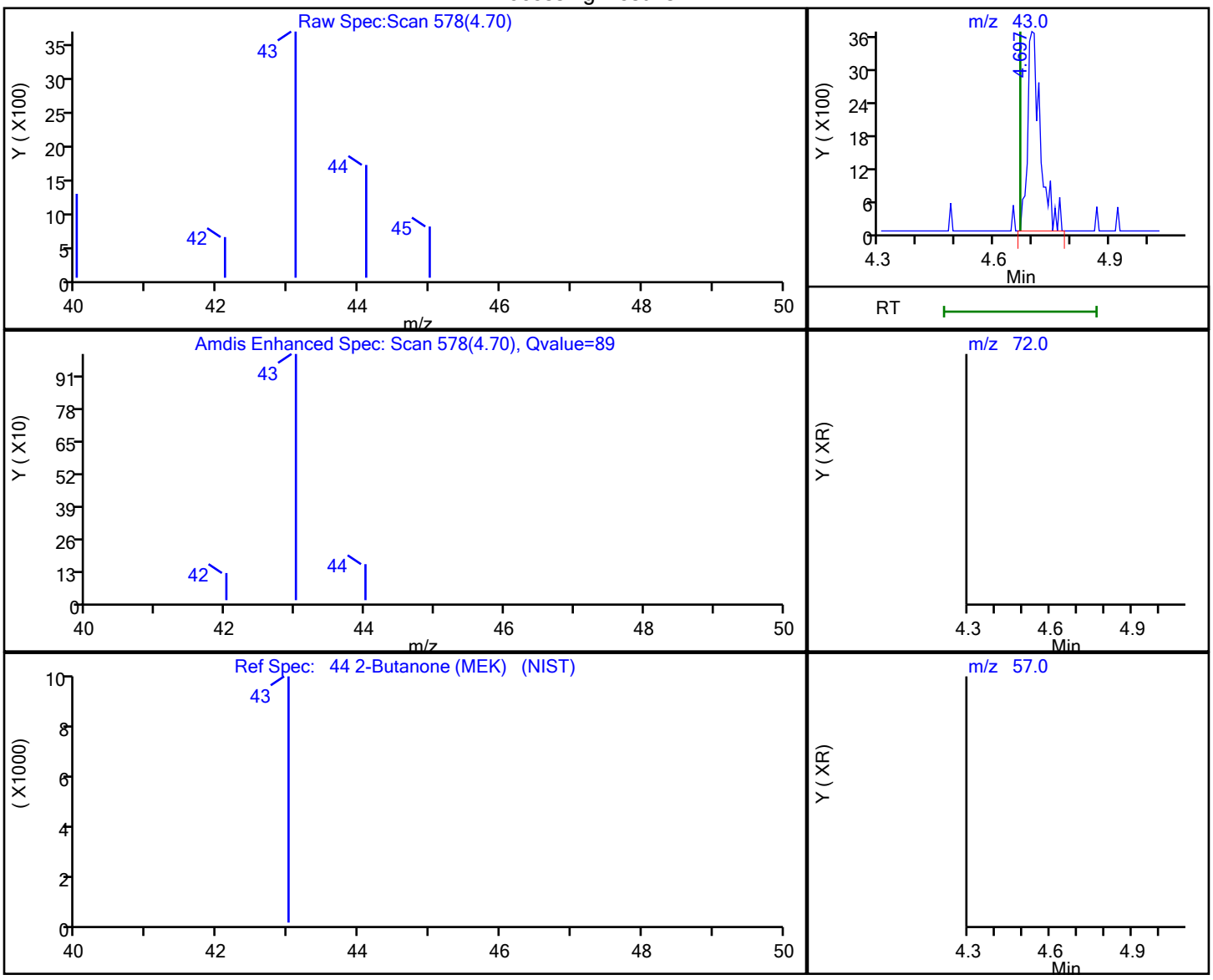
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6505.D				
Injection Date:	05-Oct-2020 15:01:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-6	Lab Sample ID:	480-175955-6		
Client ID:	TRIP BLANK				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

44 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.70	43.00	8537	1.125035
4.67	72.00	0	
4.67	57.00	0	

Reviewer: lapointec, 06-Oct-2020 16:01:37

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

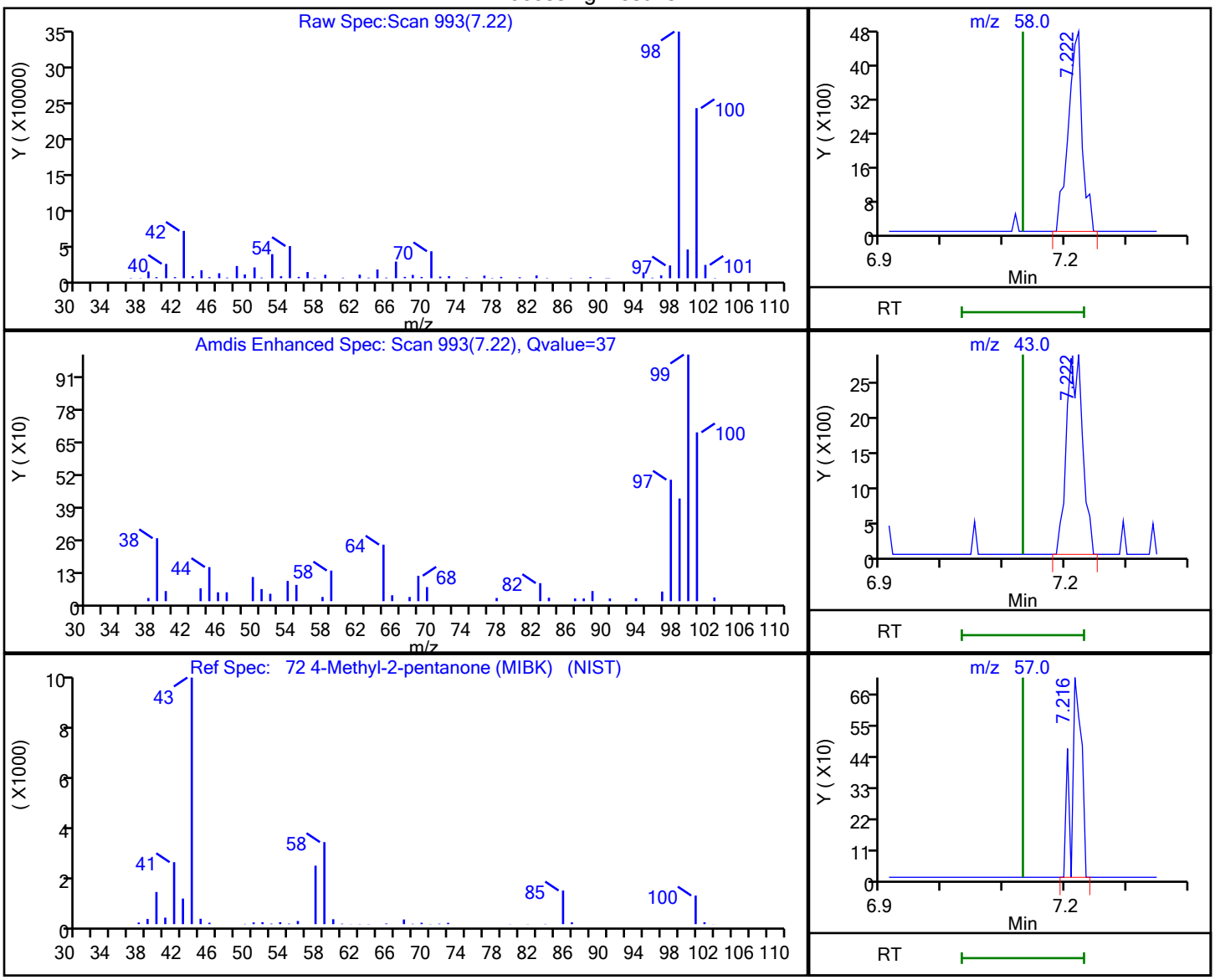
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6505.D				
Injection Date:	05-Oct-2020 15:01:30	Instrument ID:	HP5973N		
Lims ID:	480-175955-A-6	Lab Sample ID:	480-175955-6		
Client ID:	TRIP BLANK				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.22	58.00	7524	1.358207
7.22	43.00	5131	
7.22	57.00	813	

Reviewer: lapointec, 06-Oct-2020 16:01:47

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 548703

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2020 15:22 Calibration End Date: 09/09/2020 18:11 Calibration ID: 40344

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-548703/8	N5717.D
Level 2	IC 480-548703/9	N5718.D
Level 3	IC 480-548703/10	N5719.D
Level 4	IC 480-548703/11	N5720.D
Level 5	IC 480-548703/12	N5721.D
Level 6	ICIS 480-548703/13	N5722.D
Level 7	IC 480-548703/14	N5723.D
Level 8	IC 480-548703/15	N5724.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.4392	1.1762 1.4751	1.4926 1.2951	1.2456	1.1801	Ave		1.3291			0.1000	10.4		20.0			
Chloromethane	+++++ 3.0858	2.7744 2.9280	2.8639 2.7416	2.8129	2.6834	Ave		2.8414			0.1000	4.7		20.0			
Butadiene	2.9645 2.7482	2.6728 2.7394	3.0742 2.4814	2.6001	2.4499	Ave		2.7163				8.0		20.0			
Vinyl chloride	1.8255 1.9966	1.6413 1.9848	2.0464 1.7604	1.8802	1.7178	Ave		1.8566			0.1000	7.8		20.0			
Bromomethane	1.1133 1.1020	1.1421 1.0805	1.2090 1.0097	0.9604	0.9882	Ave		1.0756			0.1000	7.8		20.0			
Chloroethane	1.0912 1.2398	1.1377 1.1701	1.1798 1.0781	1.1674	1.0610	Ave		1.1406			0.1000	5.3		20.0			
Dichlorofluoromethane	+++++ 2.4518	2.2545 2.3804	2.5177 2.2404	2.1863	2.2166	Ave		2.3211				5.5		20.0			
Trichlorofluoromethane	+++++ 2.0083	1.6339 2.0487	2.0024 1.8618	1.8361	1.6588	Ave		1.8643			0.1000	9.0		20.0			
Ethyl ether	2.2124 1.8937	1.6191 1.8989	1.8943 1.8002	1.9675	1.7561	Ave		1.8803				9.2		20.0			
Acrolein	0.3013 0.2938	0.3219 0.2967	0.2773 0.2954	0.2725	0.3040	Ave		0.2954				5.2		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0800 1.1594	0.9245 1.2081	1.3150 1.0458	1.1414	0.8814	Ave		1.0944			0.1000	13.1		20.0			
1,1-Dichloroethene	1.3420 1.2297	0.9679 1.2608	1.1811 1.1096	1.1305	1.0045	Ave		1.1533			0.1000	11.0		20.0			
Acetone	+++++ 0.8214	0.9110 0.8593	0.9462 0.8865	0.8776	0.9097	Ave		0.8874			0.1000	4.5		20.0			
Iodomethane	2.5087 2.4217	1.8886 2.3732	2.3646 2.2059	2.2108	2.0398	Ave		2.2517				9.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 548703

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2020 15:22 Calibration End Date: 09/09/2020 18:11 Calibration ID: 40344

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.8663 4.1200	3.6236 4.2675	4.3793 3.8074	3.7497	3.2231	Ave		4.0046			0.1000	12.8		20.0			
Allyl chloride	4.2136 4.1272	3.5816 3.9726	4.3086 3.9307	3.6827	3.5469	Ave		3.9205				7.4		20.0			
Methyl acetate	2.9943 2.3033	2.4411 2.4969	2.7072 2.3293	2.4254	2.4095	Ave		2.5134			0.1000	9.2		20.0			
Methylene Chloride	+++++ 1.5290	1.7266 1.4944	1.7620 1.3636	1.4312	1.3927	Ave		1.5285			0.1000	10.3		20.0			
2-Methyl-2-propanol	0.2047 0.1737	0.2092 0.1999	0.2180 0.2198	0.1932	0.2203	Ave		0.2048				7.8		20.0			
Methyl tert-butyl ether	3.9840 4.5959	3.8598 4.4955	4.2850 4.3348	4.2309	4.3224	Ave		4.2635			0.1000	5.7		20.0			
trans-1,2-Dichloroethene	1.2949 1.4892	1.3255 1.4801	1.3959 1.3372	1.4442	1.2713	Ave		1.3798			0.1000	6.1		20.0			
Acrylonitrile	1.2106 1.1968	1.1468 1.2392	1.2223 1.2378	1.2155	1.2068	Ave		1.2095				2.4		20.0			
Hexane	2.6010 2.6502	2.6571 2.8698	3.4718 2.6072	2.7237	2.0188	Ave		2.6999				14.8		20.0			
1,1-Dichloroethane	3.2040 3.3009	3.0005 3.2741	3.0936 3.0436	3.0350	2.8445	Ave		3.0995			0.2000	4.9		20.0			
Vinyl acetate	5.5621 5.2908	4.8915 5.9226	5.4215 6.2950	5.2686	5.5213	Ave		5.5217				7.8		20.0			
2,2-Dichloropropane	1.4358 1.3289	1.0077 1.2947	1.2897 1.1146	1.2555	1.0190	Ave		1.2182				12.7		20.0			
cis-1,2-Dichloroethene	1.6160 1.6187	1.4198 1.6279	1.5217 1.5063	1.5325	1.4668	Ave		1.5387			0.1000	5.0		20.0			
2-Butanone (MEK)	1.4534 1.3201	1.5318 1.4273	1.5782 1.4661	1.4428	1.5247	Ave		1.4680			0.1000	5.4		20.0			
Chlorobromomethane	0.7035 0.8758	0.6580 0.8611	0.7900 0.8097	0.7967	0.7851	Ave		0.7850				9.3		20.0			
Tetrahydrofuran	+++++ 0.9732	1.1904 0.9894	1.1822 0.9924	1.0010	1.0633	Ave		1.0560				8.9		20.0			
Chloroform	2.8507 2.5846	2.5608 2.5841	2.7068 2.4223	2.5067	2.4051	Ave		2.5776			0.2000	5.7		20.0			
1,1,1-Trichloroethane	2.2748 2.0947	1.8206 2.1311	2.1912 1.9583	2.0164	1.7054	Ave		2.0241			0.1000	9.4		20.0			
Cyclohexane	3.6155 3.5729	2.9441 3.8395	3.9014 3.4767	3.4346	2.7468	Ave		3.4414			0.1000	11.8		20.0			
Carbon tetrachloride	1.6482 1.7887	1.6273 1.8874	1.9019 1.7392	1.6608	1.4472	Ave		1.7126			0.1000	8.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 548703

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2020 15:22 Calibration End Date: 09/09/2020 18:11 Calibration ID: 40344

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.6990 1.7672	1.8399 1.8908	2.0225 1.7554	1.8875	1.5387	Ave		1.8001				8.1		20.0			
Benzene	5.5240 5.4234	5.3581 5.6348	5.9678 5.4916	5.2500	5.1901	Ave		5.4800			0.5000	4.5		20.0			
Isobutyl alcohol	0.1235 0.1160	0.1089 0.1207	0.1209 0.1301	0.1113	0.1242	Ave		0.1194				5.9		20.0			
1,2-Dichloroethane	3.1207 2.4782	2.7455 2.6155	2.9249 2.5648	2.6461	2.6098	Ave		2.7132			0.1000	7.8		20.0			
n-Heptane	+++++ 2.8613	3.7272 3.4530	4.2530 3.2420	3.2049	2.5864	Ave		3.3325				16.5		20.0			
Trichloroethene	1.5431 1.3563	1.4097 1.4421	1.7339 1.3770	1.4512	1.2299	Ave		1.4429			0.2000	10.2		20.0			
Methylcyclohexane	2.2020 2.2867	1.7815 2.4410	2.6545 2.2403	2.2371	1.7325	Ave		2.1970			0.1000	14.1		20.0			
1,2-Dichloropropane	1.8368 1.6013	1.7193 1.7093	1.8539 1.6963	1.6001	1.6172	Ave		1.7043			0.1000	5.8		20.0			
Dibromomethane	0.8283 0.8665	0.8018 0.8802	0.9282 0.8599	0.8250	0.8907	Ave		0.8601			0.1000	4.7		20.0			
1,4-Dioxane	+++++ 0.0030	+++++ 0.0031	0.0023 0.0031	0.0026	0.0036	Ave		0.0029				15.2		20.0			
Bromodichloromethane	1.7956 1.7013	1.7657 1.7949	1.9055 1.8286	1.6937	1.6648	Ave		1.7688			0.2000	4.5		20.0			
2-Chloroethyl vinyl ether	1.1641 0.9673	1.1297 1.1409	1.1839 1.2231	1.1414	1.1851	Ave		1.1419				6.7		20.0			
cis-1,3-Dichloropropene	2.0828 1.9393	1.9956 2.1378	2.1491 2.2386	2.1279	2.0344	Ave		2.0882			0.2000	4.6		20.0			
4-Methyl-2-pentanone (MIBK)	0.2694 0.2827	0.2570 0.2812	0.2648 0.2681	0.2763	0.2751	Ave		0.2718			0.1000	3.2		20.0			
Toluene	0.9328 0.9280	0.8942 0.9419	0.9794 0.8978	0.9420	0.8622	Ave		0.9223			0.4000	3.9		20.0			
trans-1,3-Dichloropropene	0.4907 0.4882	0.5197 0.5500	0.5258 0.5623	0.4980	0.5307	Ave		0.5207			0.1000	5.2		20.0			
Ethyl methacrylate	0.4503 0.4969	0.4311 0.5028	0.4785 0.4991	0.4983	0.4793	Ave		0.4796				5.5		20.0			
1,1,2-Trichloroethane	0.3260 0.2702	0.2399 0.2814	0.2935 0.2748	0.2821	0.2776	Ave		0.2807			0.1000	8.6		20.0			
Tetrachloroethene	0.4550 0.3987	0.4078 0.4098	0.4296 0.3856	0.4143	0.3565	Ave		0.4072			0.2000	7.2		20.0			
1,3-Dichloropropane	0.5547 0.5523	0.6114 0.5608	0.6056 0.5522	0.6050	0.5513	Ave		0.5742				4.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 548703

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2020 15:22 Calibration End Date: 09/09/2020 18:11 Calibration ID: 40344

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.5679 0.5842	0.5337 0.5891	0.6121 0.5632	0.6204	0.6130	Ave		0.5855			0.1000	5.1		20.0			
Dibromochloromethane	0.3432 0.3634	0.3140 0.3833	0.3693 0.3860	0.3577	0.3424	Ave		0.3574			0.1000	6.7		20.0			
1,2-Dibromoethane	0.3490 0.3584	0.3828 0.3681	0.4017 0.3662	0.3715	0.3697	Ave		0.3709				4.3		20.0			
Chlorobenzene	1.1709 1.0349	1.0294 1.0887	1.0235 1.0527	1.0452	1.0060	Ave		1.0564			0.5000	4.9		20.0			
Ethylbenzene	1.7623 1.7326	1.5174 1.7872	1.6912 1.7072	1.6392	1.5492	Ave		1.6733			0.1000	5.8		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.4012	0.3101 0.4206	0.3869 0.3888	0.3645	0.3547	Ave		0.3753				9.6		20.0			
m,p-Xylene	0.6091 0.6828	0.6061 0.7154	0.7112 0.6830	0.6526	0.6215	Ave		0.6602			0.1000	6.7		20.0			
o-Xylene	+++++ 0.7155	0.5623 0.7186	0.6739 0.6834	0.6669	0.6299	Ave		0.6644			0.3000	8.2		20.0			
Styrene	1.0119 1.0982	0.9572 1.1568	1.1145 1.1299	1.0819	1.0248	Ave		1.0719			0.3000	6.3		20.0			
Bromoform	0.2278 0.2214	0.1715 0.2396	0.2024 0.2454	0.2282	0.2158	Ave		0.2190			0.1000	10.7		20.0			
Isopropylbenzene	2.9144 3.1034	2.5741 3.3532	3.2380 3.2569	3.0870	2.7191	Ave		3.0308			0.1000	9.0		20.0			
Bromobenzene	0.7896 0.7518	0.7929 0.8257	0.9103 0.8406	0.8186	0.7960	Ave		0.8157				5.7		20.0			
1,1,2,2-Tetrachloroethane	1.0176 0.8812	0.9995 0.9111	0.9222 0.8874	0.9180	0.8690	Ave		0.9258			0.3000	5.9		20.0			
N-Propylbenzene	3.3772 3.4923	3.1233 3.8266	3.6427 3.7766	3.5810	3.1298	Ave		3.4937				7.7		20.0			
1,2,3-Trichloropropane	0.2683 0.2745	0.3219 0.2909	0.2815 0.2826	0.3261	0.2844	Ave		0.2913				7.3		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.3479	0.1666 0.3701	0.2565 0.3951	0.2867	0.3254	Lin1	-0.288	0.3839							0.9980		0.9900
2-Chlorotoluene	0.6856 0.7669	0.7864 0.8269	0.8055 0.7982	0.7676	0.7339	Ave		0.7714				5.8		20.0			
1,3,5-Trimethylbenzene	2.4140 2.6703	2.2886 2.8526	2.7145 2.7961	2.4929	2.3883	Ave		2.5772				8.1		20.0			
4-Chlorotoluene	2.1417 2.1768	2.3053 2.2970	2.3076 2.3226	2.1815	2.0631	Ave		2.2244				4.3		20.0			
tert-Butylbenzene	0.6158 0.5751	0.5656 0.6413	0.5994 0.6224	0.5446	0.5244	Ave		0.5861				6.9		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 548703

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2020 15:22 Calibration End Date: 09/09/2020 18:11 Calibration ID: 40344

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.6080 2.7120	2.3379 2.8805	2.6999 2.8416	2.5945	2.3754	Ave		2.6312				7.5		20.0			
sec-Butylbenzene	3.0094 3.2765	2.7812 3.5925	3.4786 3.4515	3.1143	2.7655	Ave		3.1837				10.0		20.0			
4-Isopropyltoluene	2.6206 3.1303	2.4795 3.3624	3.0952 3.3051	2.8599	2.6417	Ave		2.9368				11.4		20.0			
1,3-Dichlorobenzene	1.6330 1.5687	1.4495 1.6796	1.6735 1.6619	1.6555	1.5178	Ave		1.6049			0.6000	5.3		20.0			
1,4-Dichlorobenzene	1.6789 1.5909	1.4998 1.6820	1.6691 1.6601	1.6971	1.5533	Ave		1.6289			0.5000	4.4		20.0			
n-Butylbenzene	2.2384 2.4607	2.0368 2.6752	2.4109 2.5768	2.4186	2.0874	Ave		2.3631				9.5		20.0			
1,2-Dichlorobenzene	1.5203 1.6101	1.5255 1.7046	1.6213 1.6888	1.7132	1.5325	Ave		1.6145			0.4000	5.1		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1644	0.1246 0.1779	0.1600 0.1705	0.1620	0.1615	Ave		0.1601			0.0500	10.5		20.0			
1,2,4-Trichlorobenzene	1.0343 1.0309	1.0014 1.1297	0.9366 1.0700	1.0195	0.9537	Ave		1.0220			0.2000	6.0		20.0			
Hexachlorobutadiene	0.4195 0.4284	0.4578 0.4932	0.4554 0.4526	0.4770	0.3824	Ave		0.4458				7.8		20.0			
Naphthalene	2.5645 3.1580	2.2787 3.4177	2.5328 3.4208	2.8714	2.8572	Ave		2.8876				14.6		20.0			
1,2,3-Trichlorobenzene	0.9438 1.0092	0.7490 1.0729	0.9129 1.0500	0.9942	0.8780	Ave		0.9513				11.1		20.0			
Dibromofluoromethane (Surr)	1.2869 1.4501	1.3410 1.3441	1.3997 1.3332	1.3636	1.3787	Ave		1.3622				3.6		20.0			
1,2-Dichloroethane-d4 (Surr)	1.8196 1.8329	1.8523 1.7408	1.9216 1.7113	1.8212	1.8859	Ave		1.8232				3.8		20.0			
Toluene-d8 (Surr)	1.3214 1.4035	1.3826 1.3489	1.3915 1.3018	1.3852	1.4032	Ave		1.3673				2.8		20.0			
4-Bromofluorobenzene (Surr)	0.3808 0.4057	0.4104 0.4201	0.4252 0.4039	0.4109	0.4245	Ave		0.4102				3.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 548703

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2020 15:22 Calibration End Date: 09/09/2020 18:11 Calibration ID: 40344

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-548703/8	N5717.D
Level 2	IC 480-548703/9	N5718.D
Level 3	IC 480-548703/10	N5719.D
Level 4	IC 480-548703/11	N5720.D
Level 5	IC 480-548703/12	N5721.D
Level 6	ICIS 480-548703/13	N5722.D
Level 7	IC 480-548703/14	N5723.D
Level 8	IC 480-548703/15	N5724.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 248083	8718 542229	20883 1045511	44569	84214	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 531912	20563 1076323	40068 2213297	100648	191501	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	10497 473716	19810 1007006	43010 2003239	93033	174834	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	6464 344155	12165 729608	28631 1421144	67273	122592	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3942 189952	8465 397188	16915 815148	34363	70519	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	3864 213714	8432 430116	16506 870359	41772	75719	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 422614	16710 875031	35224 1808677	78228	158185	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 346180	12110 753077	28015 1502986	65697	118379	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	7834 326425	12000 698017	26502 1453282	70400	125321	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	5334 253245	11930 545306	19401 1192561	48760	108460	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3824 199841	6852 444083	18398 844265	40841	62898	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	4752 211961	7174 463482	16524 895752	40449	71687	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++ 707913	33760 1579347	66193 3578404	157012	324617	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	8883 417436	13998 872388	33083 1780783	79102	145567	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	17231 710179	26857 1568703	61269 3073652	134168	230013	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 548703

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2020 15:22 Calibration End Date: 09/09/2020 18:11 Calibration ID: 40344

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	14920 711418	26546 1460316	60280 3173239	131769	253120	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	21205 794063	36186 1835722	75751 3760812	173564	343902	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Ave	+++++ 263549	12797 549353	24652 1100804	51210	99389	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	7249 299421	15502 734942	30498 1774208	69139	157187	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	14107 792206	28608 1652516	59950 3499470	151383	308469	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4585 256690	9824 544070	19530 1079487	51673	90725	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	42865 2062968	84994 4555113	171014 9992304	434897	861255	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	9210 456824	19694 1054910	48573 2104739	97456	144068	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	11345 568990	22239 1203530	43281 2457106	108594	202998	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	39390 1823988	72509 4354254	151700 10163841	377024	788053	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5084 229061	7469 475924	18044 899768	44921	72717	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	5722 279023	10523 598392	21289 1216047	54835	104679	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	25731 1137713	56765 2623271	110402 5917814	258115	544034	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2491 150967	4877 316555	11052 653628	28505	56026	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 335490	17646 727370	33080 1602304	71634	151768	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	10094 445520	18980 949923	37870 1955470	89691	171641	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	8055 361075	13494 783367	30656 1580913	72148	121707	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	12802 615863	21821 1411395	54584 2806746	122892	196023	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	5836 308327	12061 693783	26609 1404009	59426	103276	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	6016 304614	13637 695039	28296 1417148	67536	109807	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	19560 934842	39713 2071316	83494 4433359	187847	370386	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 548703

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2020 15:22 Calibration End Date: 09/09/2020 18:11 Calibration ID: 40344

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	10933 499935	20170 1109185	42298 2625869	99517	221502	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	11050 427164	20349 961455	40921 2070522	94679	186249	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 493214	27625 1269296	59502 2617209	114672	184575	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5464 233784	10448 530095	24258 1111635	51926	87770	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	7797 394171	13204 897298	37139 1808569	80045	123641	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	6504 276022	12743 628348	25937 1369383	57252	115408	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2933 149353	5943 323562	12986 694153	29520	63561	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 35645	+++++ 83594	2464 192236	6476	18862	+++++ 500	+++++ 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	6358 293253	13087 659783	26659 1476182	60603	118809	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	4122 166732	8373 419395	16564 987371	40840	84575	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	7375 334275	14791 785837	30068 1807195	76138	145186	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	17434 849110	35008 1873887	70679 4096660	175373	365300	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	12072 557558	24361 1255423	52280 2743986	119582	228958	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	6350 293300	14159 733121	28068 1718683	63214	140924	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	5827 298543	11745 670167	25543 1525587	63264	127284	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4219 162340	6535 375115	15666 839850	35809	73726	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	5888 239537	11110 546208	22933 1178557	52591	94681	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	7178 331833	16657 747455	32324 1687673	76804	146407	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	36749 1754875	72693 3925760	163365 8607122	393806	813933	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	4441 218305	8553 510918	19712 1179919	45409	90922	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	4517 215334	10427 490686	21442 1119264	47161	98178	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 548703

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2020 15:22 Calibration End Date: 09/09/2020 18:11 Calibration ID: 40344

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	15153 621760	28044 1451117	54634 3217492	132680	267133	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	22807 1040955	41338 2382086	90277 5217806	208098	411401	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 241069	8449 560630	20651 1188330	46272	94185	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	7882 410211	16512 953527	37963 2087691	82849	165050	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	+++++ 429878	15317 957756	35973 2088866	84660	167267	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	13095 659795	26075 1541817	59493 3453522	137345	272133	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	2948 133041	4673 319410	10803 749935	28973	57302	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	21060 1083245	38214 2497455	94306 5362933	218139	405588	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	5706 262405	11771 615000	26512 1384101	57843	118725	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7353 307584	14838 678574	26860 1461256	64869	129626	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	24404 1219001	46367 2850089	106092 6218687	253049	466851	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	1939 95799	4779 216690	8199 465383	23043	42419	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	+++++ 121451	2474 275634	7470 650579	20261	48535	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	4954 267694	11675 615884	23461 1314410	54238	109472	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	17444 932086	33976 2124637	79060 4604260	176157	356249	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	15476 759831	34223 1710809	67207 3824451	154153	307734	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	4450 200753	8397 477641	17457 1024888	38484	78224	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	18846 946630	34707 2145403	78634 4679192	183333	354312	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	21746 1143679	41289 2675732	101312 5683448	220069	412504	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	18937 1092640	36810 2504321	90147 5442277	202090	394037	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	11800 547552	21519 1251001	48741 2736638	116984	226395	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 548703

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/09/2020 15:22 Calibration End Date: 09/09/2020 18:11 Calibration ID: 40344

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	12132 555307	22265 1252764	48613 2733563	119926	231697	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	16175 858917	30238 1992525	70215 4243078	170903	311366	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	10986 562013	22647 1269556	47219 2780855	121060	228595	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 57389	1850 132502	4661 280705	11448	24095	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	7474 359838	14867 841427	27278 1761834	72039	142255	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	3031 149528	6796 367353	13264 745329	33704	57046	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	18531 1102311	33828 2545492	73768 5632822	202905	426189	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	6820 352278	11120 799135	26589 1728948	70251	130969	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	227834 249964	248474 247034	244784 269067	243961	245984	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	322157 315935	343222 319947	336050 345383	325810	336468	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	855054 843203	941633 898966	928486 994693	879226	931548	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	246416 243727	279486 279975	283742 308647	260788	281846	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5717.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 09-Sep-2020 15:22:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0093301-008
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2020 13:26:58 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1030

First Level Reviewer: moffata Date: 10-Sep-2020 11:12:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.695	5.695	0.000	98	177045	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	90	647063	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	95	361305	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.000	93	227834	25.0	23.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.428	5.421	0.007	97	322157	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	855054	25.0	24.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	88	246416	25.0	23.2	
11 Dichlorodifluoromethane	85	1.376	1.376	0.000	60	4113	0.5000	0.4370	
13 Chloromethane	50	1.559	1.564	-0.005	98	9639	0.5000	0.4790	
14 Vinyl chloride	62	1.680	1.674	0.006	53	6464	0.5000	0.4916	
144 Butadiene	54	1.674	1.674	0.000	88	10497	0.5000	0.5457	
15 Bromomethane	94	1.997	1.996	0.001	27	3942	0.5000	0.5175	
16 Chloroethane	64	2.094	2.100	-0.006	0	3864	0.5000	0.4783	M
17 Dichlorofluoromethane	67	2.337	2.337	0.000	55	7635	0.5000	0.4645	
18 Trichlorofluoromethane	101	2.349	2.343	0.006	45	6435	0.5000	0.4874	
19 Ethyl ether	59	2.648	2.641	0.007	84	7834	0.5000	0.5883	
20 Acrolein	56	2.824	2.836	-0.012	51	5334	2.50	2.55	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.860	2.866	-0.006	59	3824	0.5000	0.4934	a
22 1,1-Dichloroethene	96	2.879	2.872	0.007	87	4752	0.5000	0.5818	a
23 Acetone	43	3.000	2.994	0.006	94	18847	2.50	3.00	
24 Iodomethane	142	3.037	3.037	0.000	50	8883	0.5000	0.5571	
25 Carbon disulfide	76	3.086	3.073	0.013	77	17231	0.5000	0.6076	
27 3-Chloro-1-propene	41	3.262	3.256	0.006	87	14920	0.5000	0.5374	
28 Methyl acetate	43	3.305	3.304	0.001	99	21205	1.00	1.19	a
30 Methylene Chloride	84	3.402	3.408	-0.006	89	8560	0.5000	0.7908	
31 2-Methyl-2-propanol	59	3.584	3.578	0.006	45	7249	5.00	5.00	
32 Methyl tert-butyl ether	73	3.621	3.621	0.000	88	14107	0.5000	0.4672	
33 trans-1,2-Dichloroethene	96	3.645	3.645	0.000	87	4585	0.5000	0.4692	
34 Acrylonitrile	53	3.700	3.700	0.000	100	42865	5.00	5.00	
35 Hexane	57	3.846	3.840	0.006	88	9210	0.5000	0.4817	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	4.071	4.071	0.000	93	11345	0.5000	0.5169	
39 Vinyl acetate	43	4.120	4.120	0.000	96	39390	1.00	1.01	
42 2,2-Dichloropropane	77	4.613	4.600	0.013	40	5084	0.5000	0.5893	
43 cis-1,2-Dichloroethene	96	4.631	4.637	-0.006	85	5722	0.5000	0.5251	
44 2-Butanone (MEK)	43	4.673	4.667	0.006	96	25731	2.50	2.48	
47 Chlorobromomethane	128	4.880	4.874	0.006	88	2491	0.5000	0.4481	
49 Tetrahydrofuran	42	4.898	4.892	0.006	72	10197	1.00	1.36	
50 Chloroform	83	4.947	4.953	-0.006	91	10094	0.5000	0.5530	
51 1,1,1-Trichloroethane	97	5.069	5.069	0.000	67	8055	0.5000	0.5619	
52 Cyclohexane	56	5.075	5.075	0.000	87	12802	0.5000	0.5253	
53 Carbon tetrachloride	117	5.209	5.209	0.001	87	5836	0.5000	0.4812	
54 1,1-Dichloropropene	75	5.227	5.221	0.006	74	6016	0.5000	0.4719	
55 Benzene	78	5.428	5.428	0.000	40	19560	0.5000	0.5040	
56 Isobutyl alcohol	43	5.434	5.434	0.000	29	10933	12.5	12.9	a
57 1,2-Dichloroethane	62	5.495	5.494	0.001	88	11050	0.5000	0.5751	
59 n-Heptane	43	5.598	5.598	0.000	88	14693	0.5000	0.6226	Ma
60 Trichloroethene	95	6.042	6.042	0.000	91	5464	0.5000	0.5347	
62 Methylcyclohexane	83	6.158	6.158	0.000	91	7797	0.5000	0.5011	
63 1,2-Dichloropropane	63	6.286	6.285	0.001	92	6504	0.5000	0.5389	
66 1,4-Dioxane	88	6.432	6.425	0.007	0	472	10.0	6.20	Ma
64 Dibromomethane	93	6.425	6.425	0.000	79	2933	0.5000	0.4815	
67 Dichlorobromomethane	83	6.571	6.577	-0.006	92	6358	0.5000	0.5076	M
69 2-Chloroethyl vinyl ether	63	6.857	6.845	0.012	85	4122	0.5000	0.5097	
71 cis-1,3-Dichloropropene	75	6.985	6.991	-0.006	77	7375	0.5000	0.4987	
72 4-Methyl-2-pentanone (MIBK)	58	7.137	7.131	0.006	97	17434	2.50	2.48	
73 Toluene	92	7.283	7.283	0.000	97	12072	0.5000	0.5057	
75 trans-1,3-Dichloropropene	75	7.563	7.563	0.000	89	6350	0.5000	0.4712	
77 Ethyl methacrylate	69	7.600	7.599	0.001	88	5827	0.5000	0.4695	
78 1,1,2-Trichloroethane	83	7.758	7.751	0.007	86	4219	0.5000	0.5807	
79 Tetrachloroethene	166	7.812	7.818	-0.006	92	5888	0.5000	0.5587	
80 1,3-Dichloropropane	76	7.922	7.916	0.006	82	7178	0.5000	0.4830	
82 2-Hexanone	43	7.977	7.977	0.000	96	36749	2.50	2.43	
83 Chlorodibromomethane	129	8.159	8.159	0.000	21	4441	0.5000	0.4801	
84 Ethylene Dibromide	107	8.275	8.269	0.006	34	4517	0.5000	0.4705	
85 Chlorobenzene	112	8.737	8.743	-0.006	93	15153	0.5000	0.5542	
88 Ethylbenzene	91	8.835	8.828	0.007	97	22807	0.5000	0.5266	
89 1,1,1,2-Tetrachloroethane	131	8.847	8.840	0.007	43	3945	0.5000	0.4062	
90 m-Xylene & p-Xylene	106	8.950	8.950	0.000	95	7882	0.5000	0.4613	
91 o-Xylene	106	9.388	9.382	0.006	93	7318	0.5000	0.4256	
92 Styrene	104	9.412	9.412	0.000	87	13095	0.5000	0.4720	
93 Bromoform	173	9.668	9.662	0.006	0	2948	0.5000	0.5200	
95 Isopropylbenzene	105	9.753	9.753	0.000	96	21060	0.5000	0.4808	
97 Bromobenzene	156	10.106	10.106	0.000	79	5706	0.5000	0.4840	
98 1,1,2,2-Tetrachloroethane	83	10.155	10.148	0.007	94	7353	0.5000	0.5496	
100 N-Propylbenzene	91	10.179	10.173	0.006	96	24404	0.5000	0.4833	
99 1,2,3-Trichloropropane	110	10.173	10.185	-0.012	90	1939	0.5000	0.4606	a
101 trans-1,4-Dichloro-2-butene	53	10.191	10.191	0.000	64	1277	0.5000	0.9810	
102 2-Chlorotoluene	126	10.282	10.282	0.000	94	4954	0.5000	0.4444	
104 1,3,5-Trimethylbenzene	105	10.343	10.343	0.000	91	17444	0.5000	0.4683	
105 4-Chlorotoluene	91	10.386	10.386	0.000	96	15476	0.5000	0.4814	
106 tert-Butylbenzene	134	10.660	10.659	0.001	92	4450	0.5000	0.5254	
108 1,2,4-Trimethylbenzene	105	10.714	10.714	0.000	96	18846	0.5000	0.4956	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.860	10.866	-0.006	93	21746	0.5000	0.4726	
111 4-Isopropyltoluene	119	11.000	11.000	0.000	95	18937	0.5000	0.4462	
110 1,3-Dichlorobenzene	146	11.006	11.006	0.000	76	11800	0.5000	0.5087	
113 1,4-Dichlorobenzene	146	11.098	11.091	0.007	91	12132	0.5000	0.5153	
115 n-Butylbenzene	91	11.377	11.383	-0.006	97	16175	0.5000	0.4736	
116 1,2-Dichlorobenzene	146	11.444	11.444	0.000	92	10986	0.5000	0.4708	
117 1,2-Dibromo-3-Chloropropane	75	12.162	12.168	-0.006	1	489	0.5000	0.2113	
119 1,2,4-Trichlorobenzene	180	12.838	12.837	0.001	89	7474	0.5000	0.5060	
120 Hexachlorobutadiene	225	12.941	12.947	-0.006	86	3031	0.5000	0.4705	
121 Naphthalene	128	13.050	13.056	-0.006	96	18531	0.5000	0.4440	
122 1,2,3-Trichlorobenzene	180	13.251	13.257	-0.006	93	6820	0.5000	0.4961	
S 126 Xylenes, Total	1				0			0.8868	
S 125 Total BTEX	1				0			2.42	
S 124 1,2-Dichloroethene, Total	1				0			0.99	
S 123 1,3-Dichloropropene, Total	1				0			0.9699	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00190	Amount Added:	0.50	Units: uL	
GAS CORP mix_00417	Amount Added:	0.50	Units: uL	
N_8260_Surr_00399	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00193	Amount Added:	1.00	Units: uL	Run Reagent

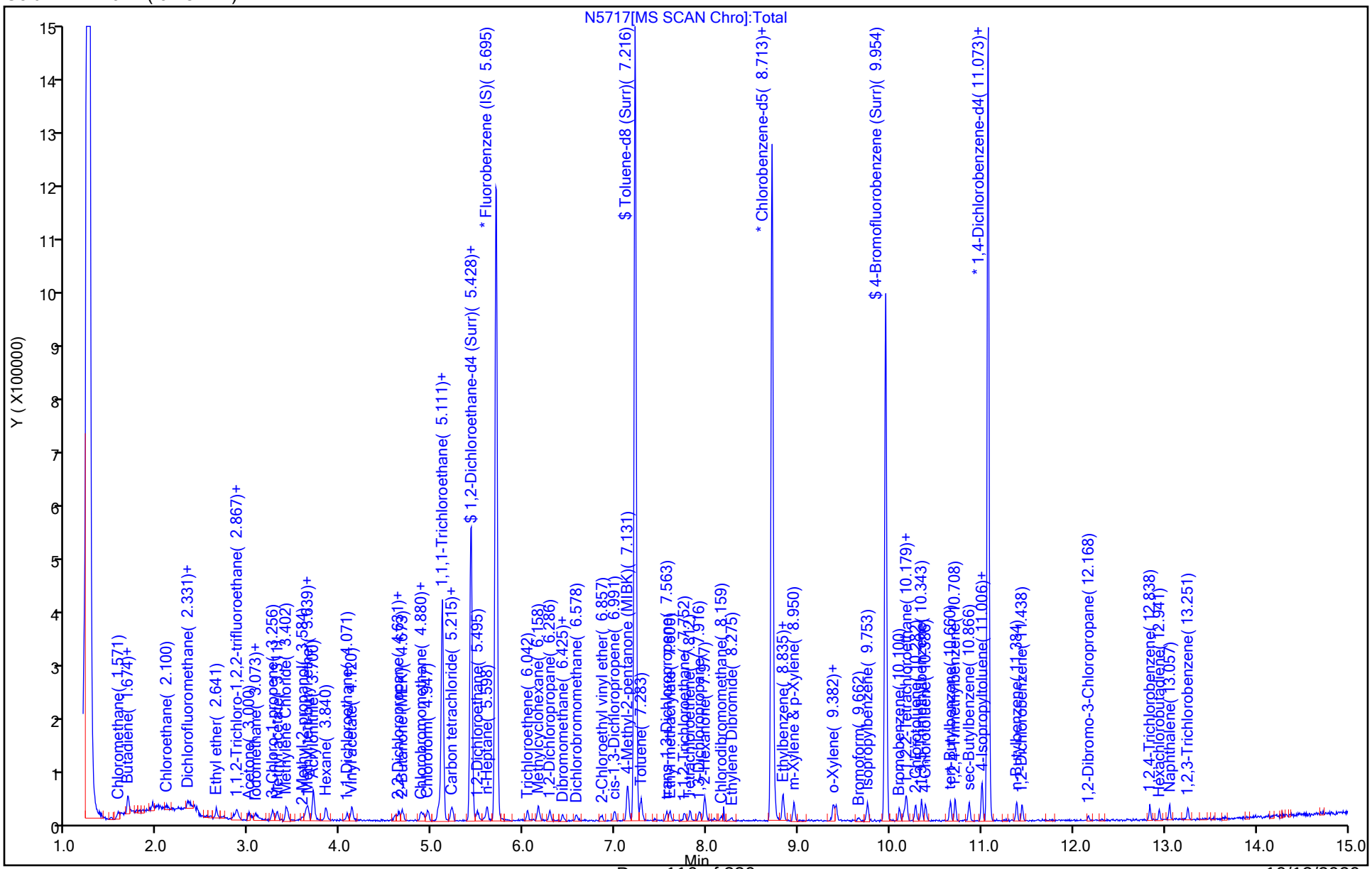
Report Date: 10-Sep-2020 13:26:59 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5717.D

Injection Date:	09-Sep-2020 15:22:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 0.5			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

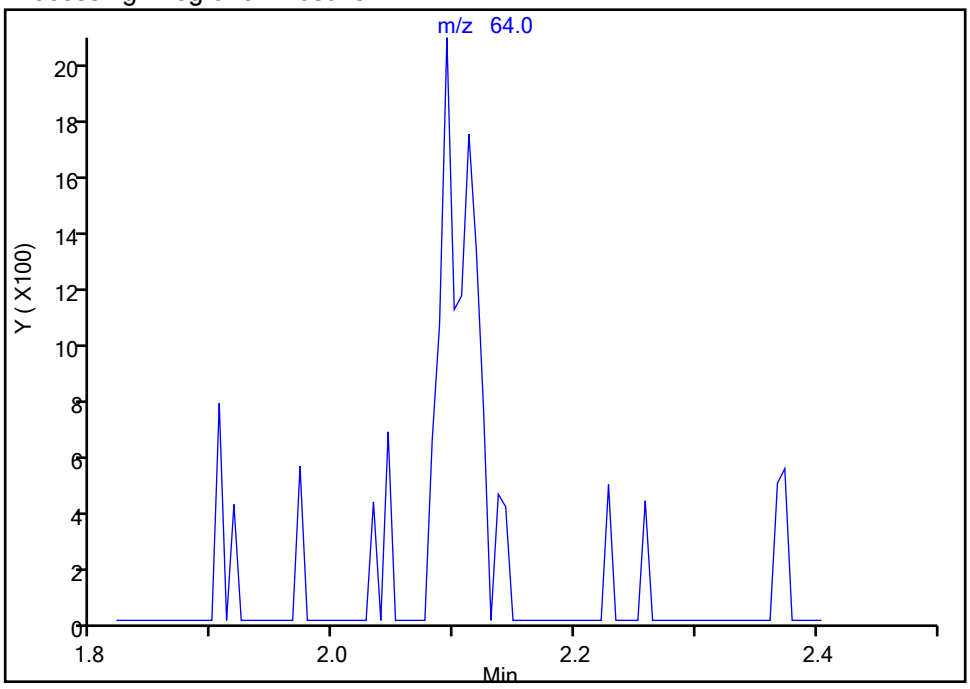
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5717.D
Injection Date: 09-Sep-2020 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

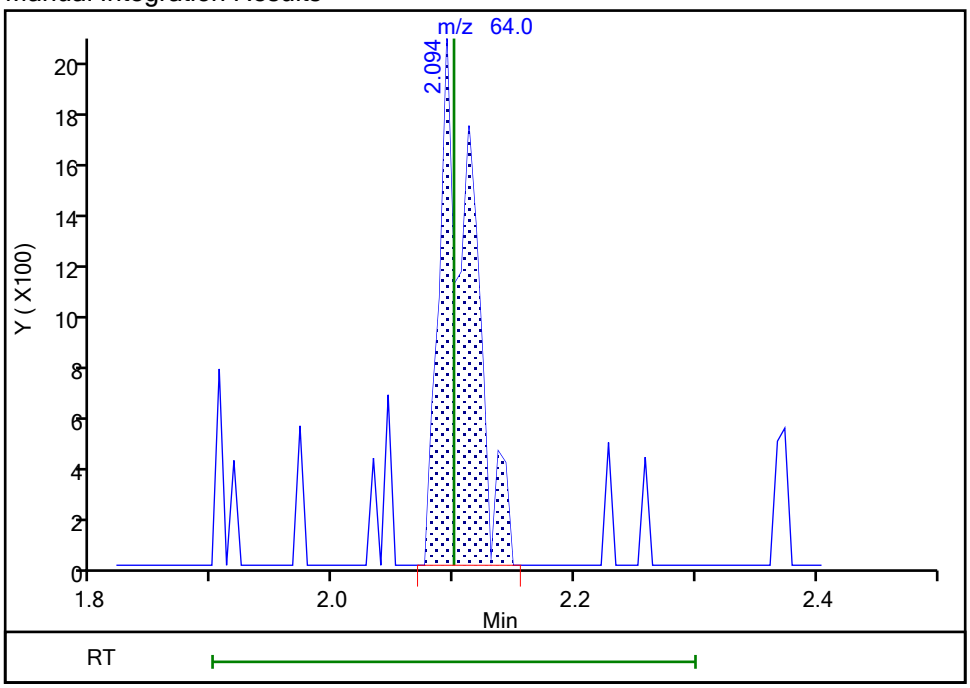
Not Detected
Expected RT: 2.10

Processing Integration Results



Manual Integration Results

RT: 2.09
Area: 3864
Amount: 0.478345
Amount Units: ug/L



Reviewer: HillL, 10-Sep-2020 13:10:59
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

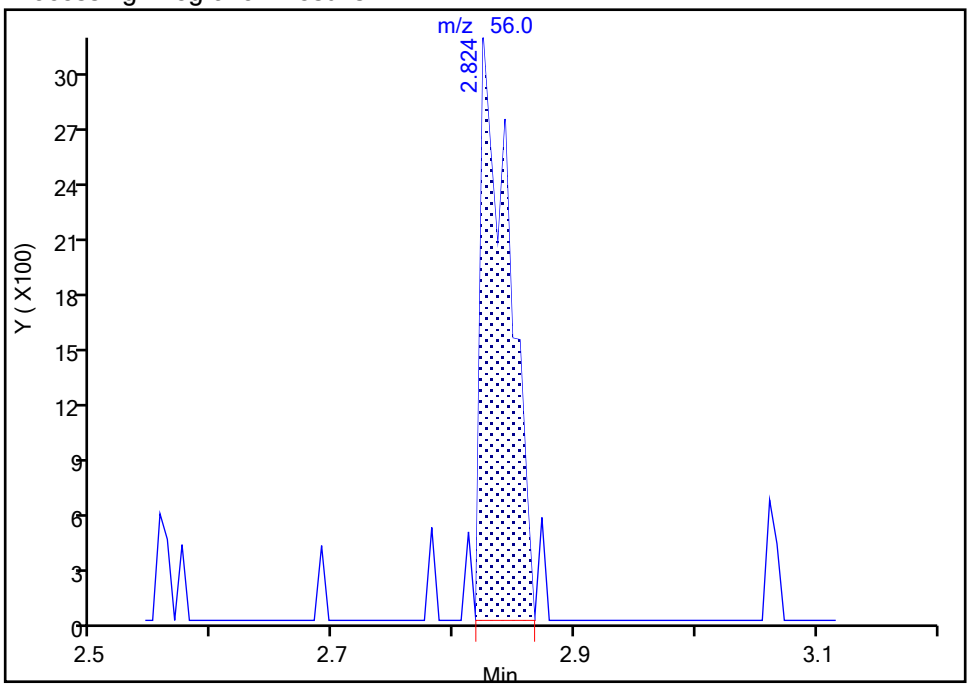
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5717.D
Injection Date: 09-Sep-2020 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

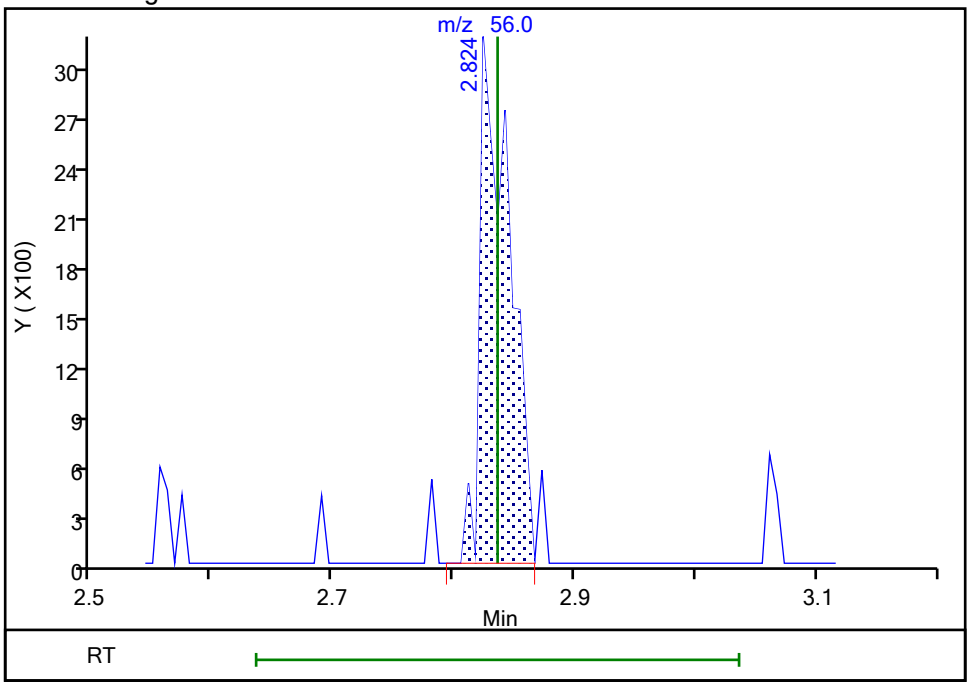
Processing Integration Results

RT: 2.82
Area: 5160
Amount: 2.477068
Amount Units: ug/L



Manual Integration Results

RT: 2.82
Area: 5334
Amount: 2.549947
Amount Units: ug/L



Reviewer: HillL, 10-Sep-2020 13:11:06
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

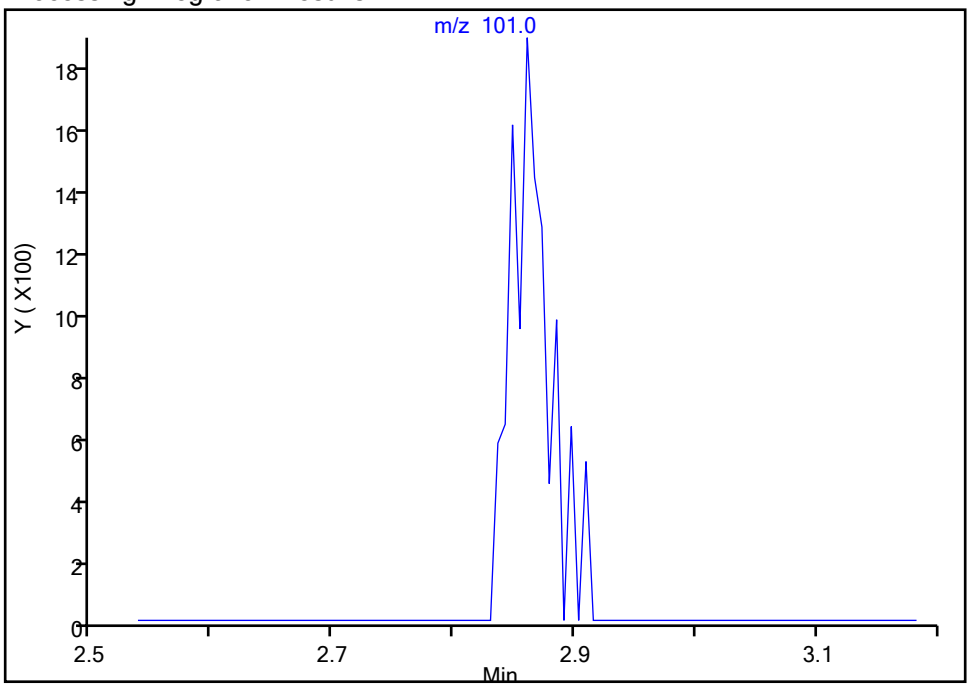
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5717.D
Injection Date: 09-Sep-2020 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

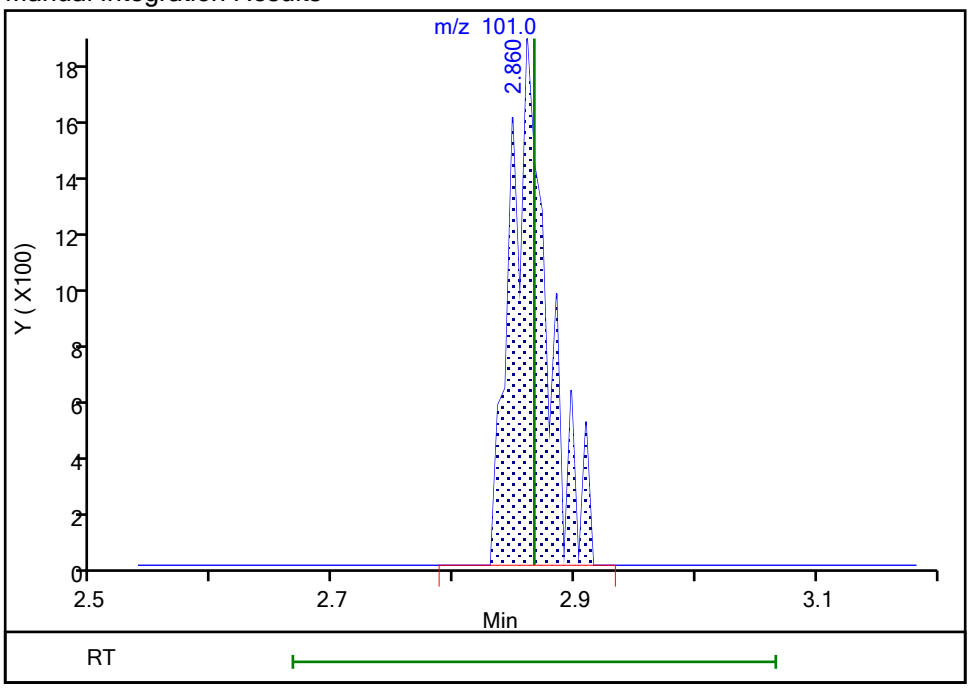
Not Detected
Expected RT: 2.87

Processing Integration Results



Manual Integration Results

RT: 2.86
Area: 3824
Amount: 0.493384
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:11:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

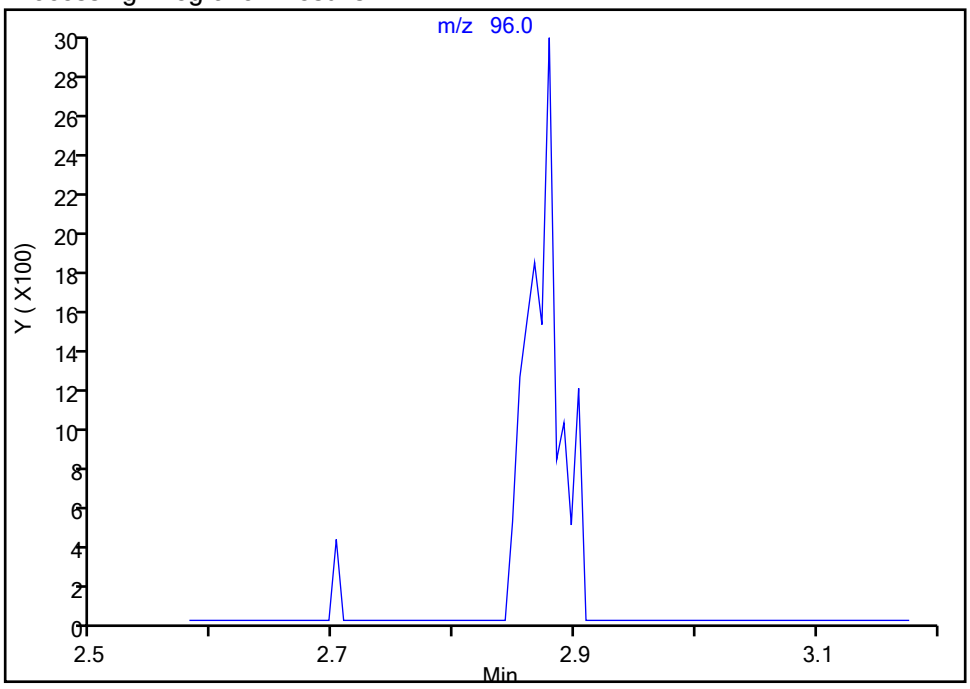
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5717.D
Injection Date: 09-Sep-2020 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

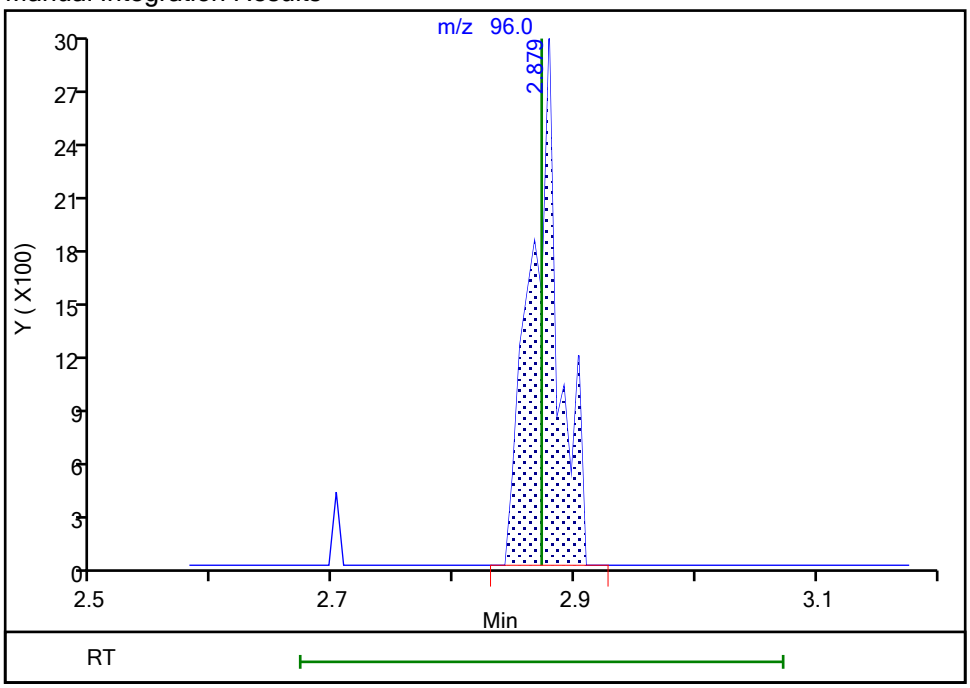
Not Detected
Expected RT: 2.87

Processing Integration Results



Manual Integration Results

RT: 2.88
Area: 4752
Amount: 0.581840
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:12:00
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

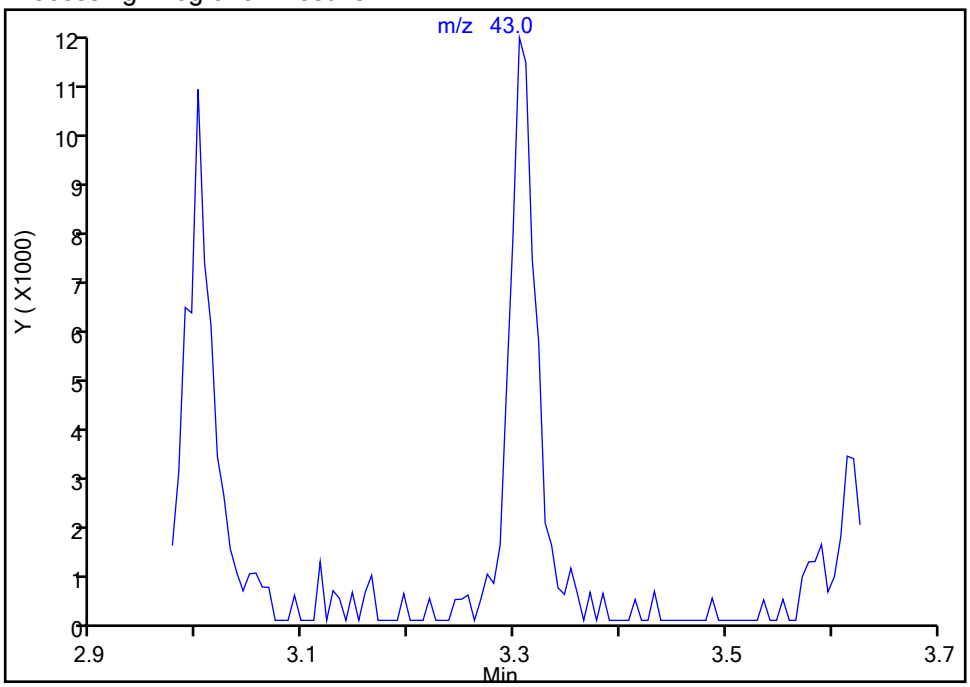
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5717.D
Injection Date: 09-Sep-2020 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

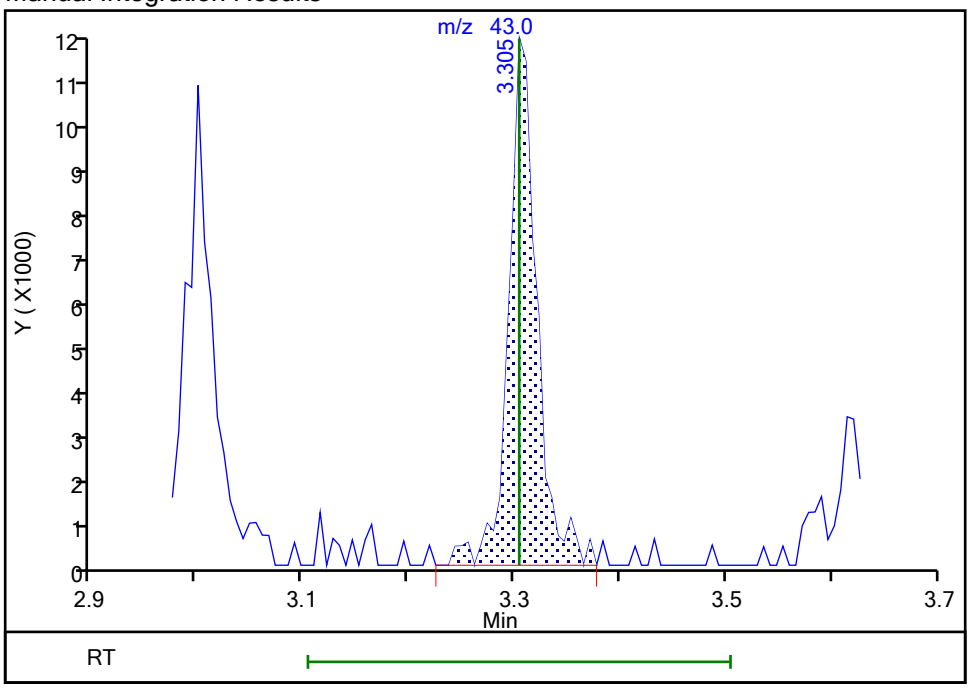
Not Detected
Expected RT: 3.30

Processing Integration Results



Manual Integration Results

RT: 3.30
Area: 21205
Amount: 1.191342
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:12:04
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

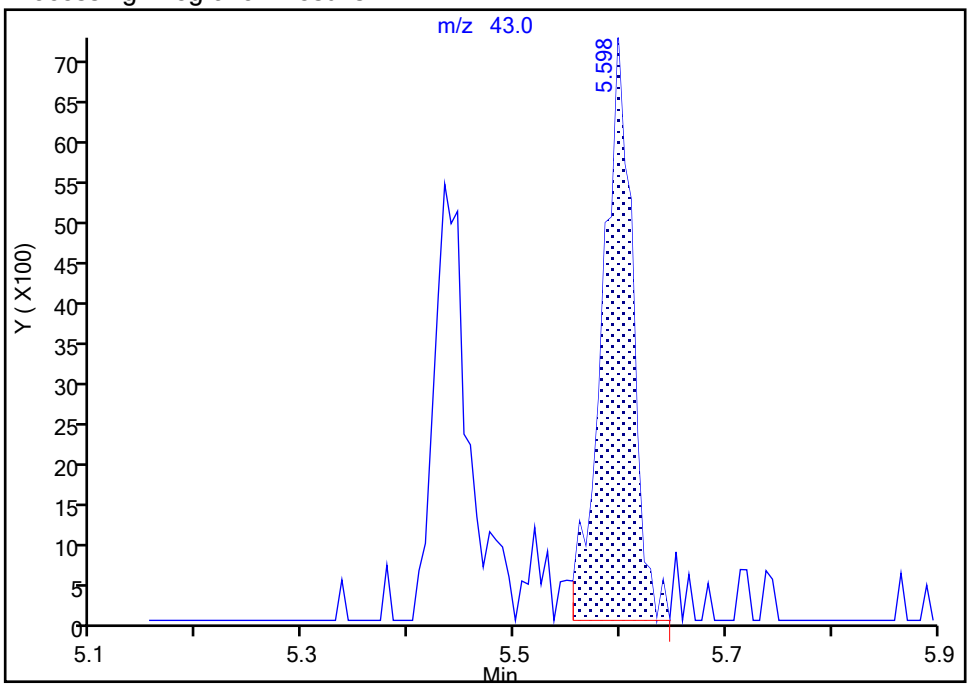
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5717.D
Injection Date: 09-Sep-2020 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

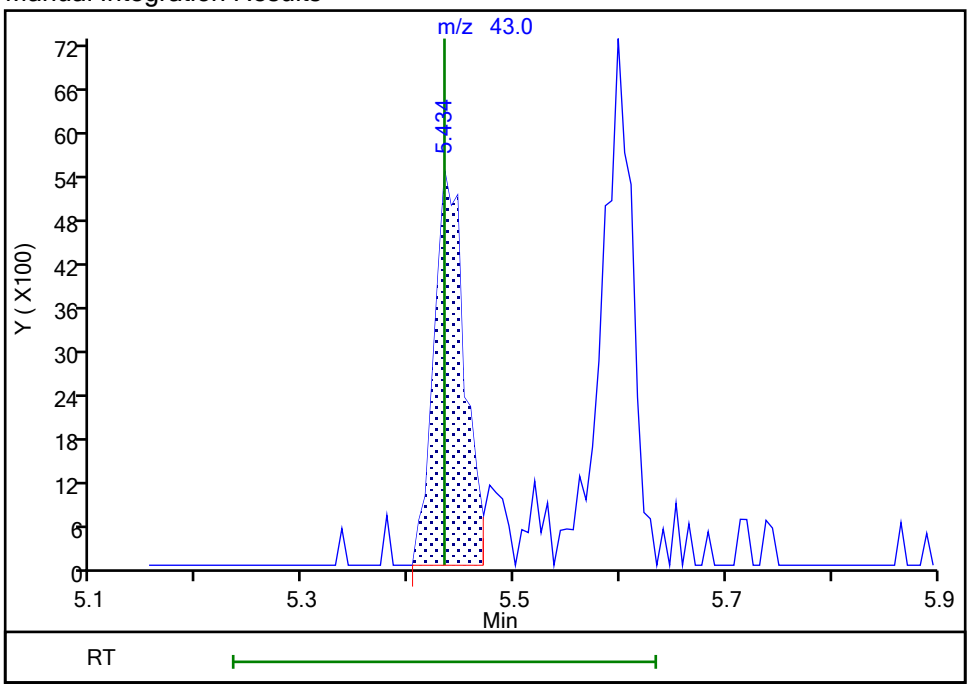
Processing Integration Results

RT: 5.60
Area: 14336
Amount: 15.869136
Amount Units: ug/L



Manual Integration Results

RT: 5.43
Area: 10933
Amount: 12.925547
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:12:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

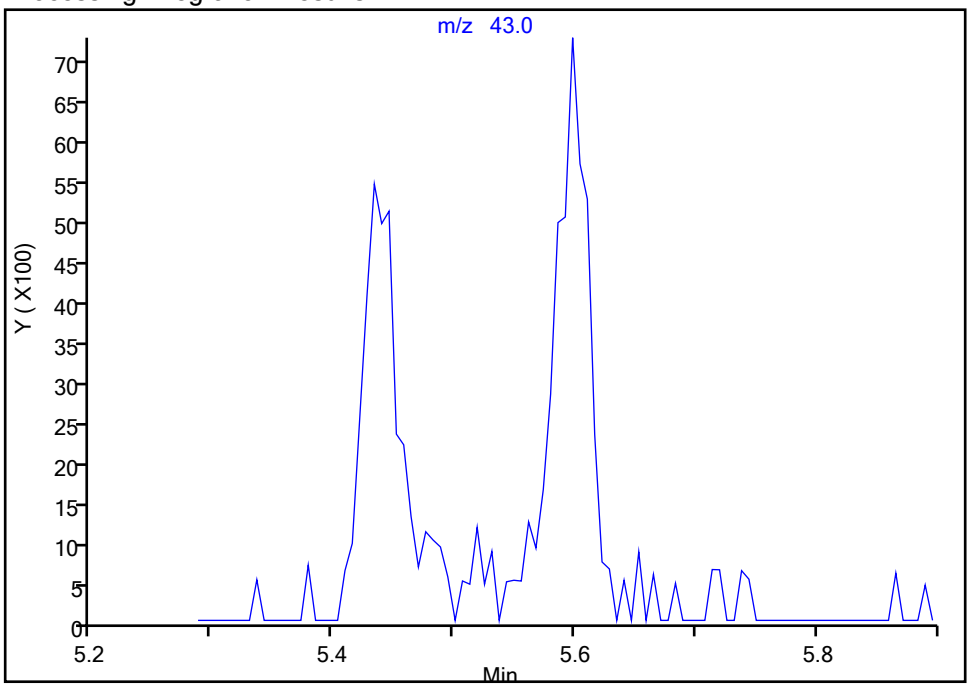
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5717.D
Injection Date: 09-Sep-2020 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

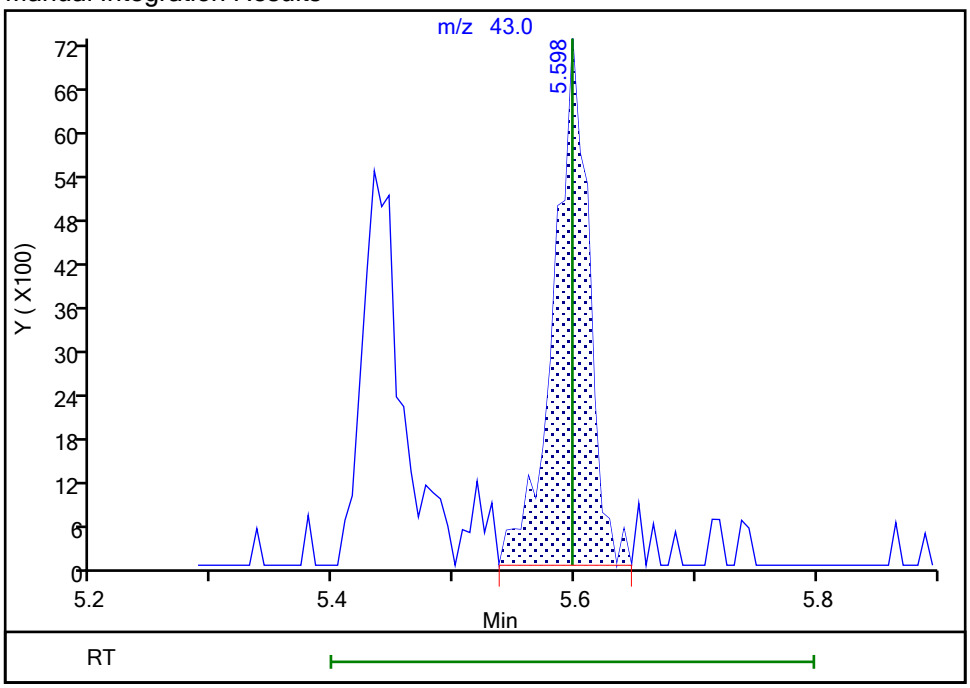
Not Detected
Expected RT: 5.60

Processing Integration Results



Manual Integration Results

RT: 5.60
Area: 14693
Amount: 0.622578
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:12:22
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

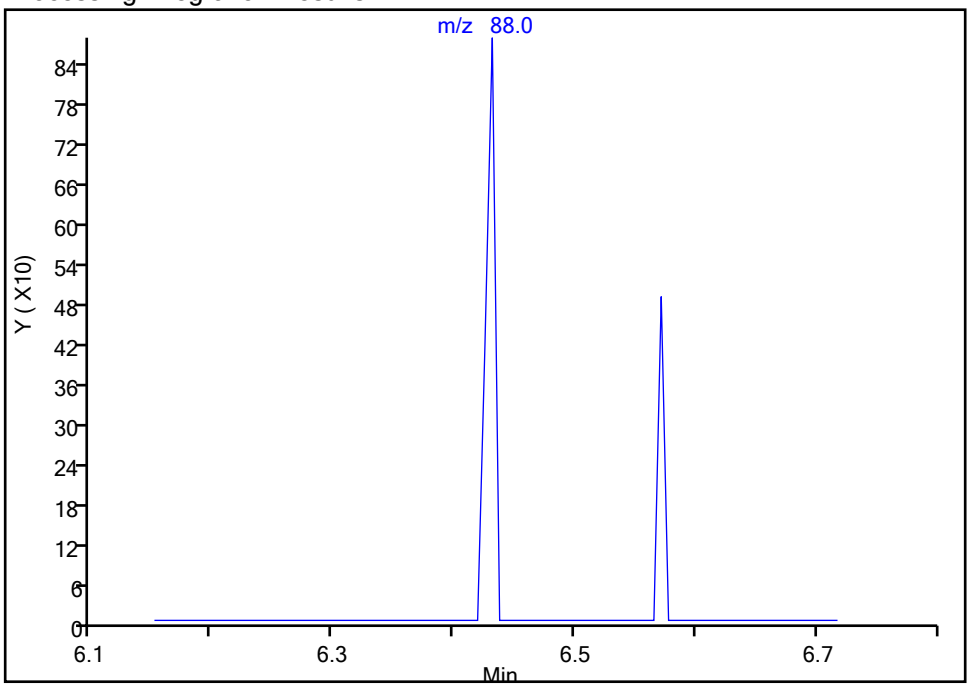
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5717.D
Injection Date: 09-Sep-2020 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

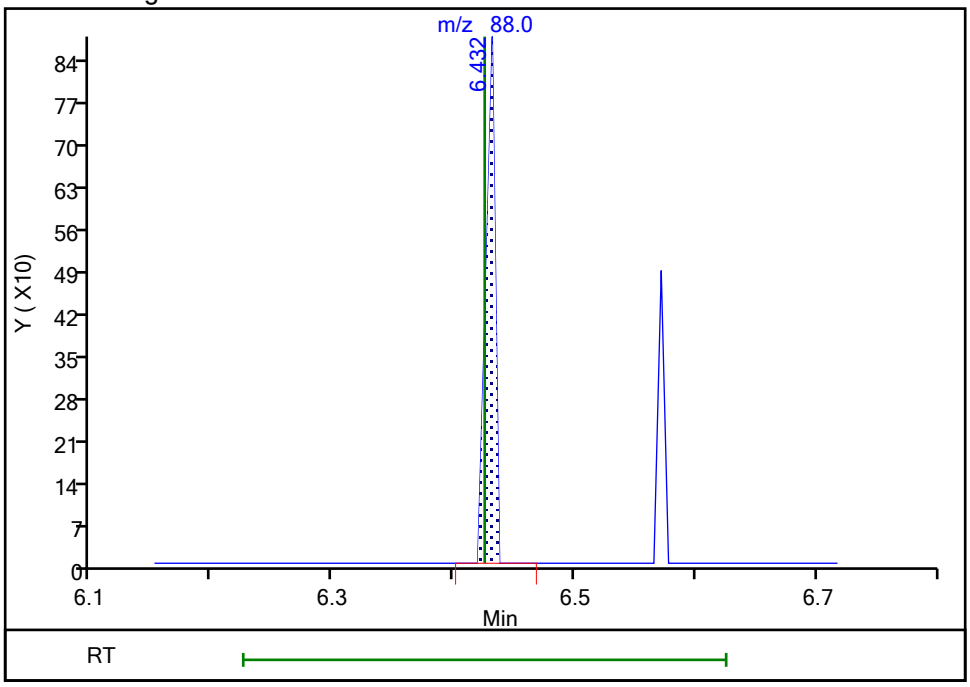
Not Detected
Expected RT: 6.43

Processing Integration Results



Manual Integration Results

RT: 6.43
Area: 472
Amount: 6.196726
Amount Units: ug/L



Reviewer: HillL, 10-Sep-2020 13:11:19
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

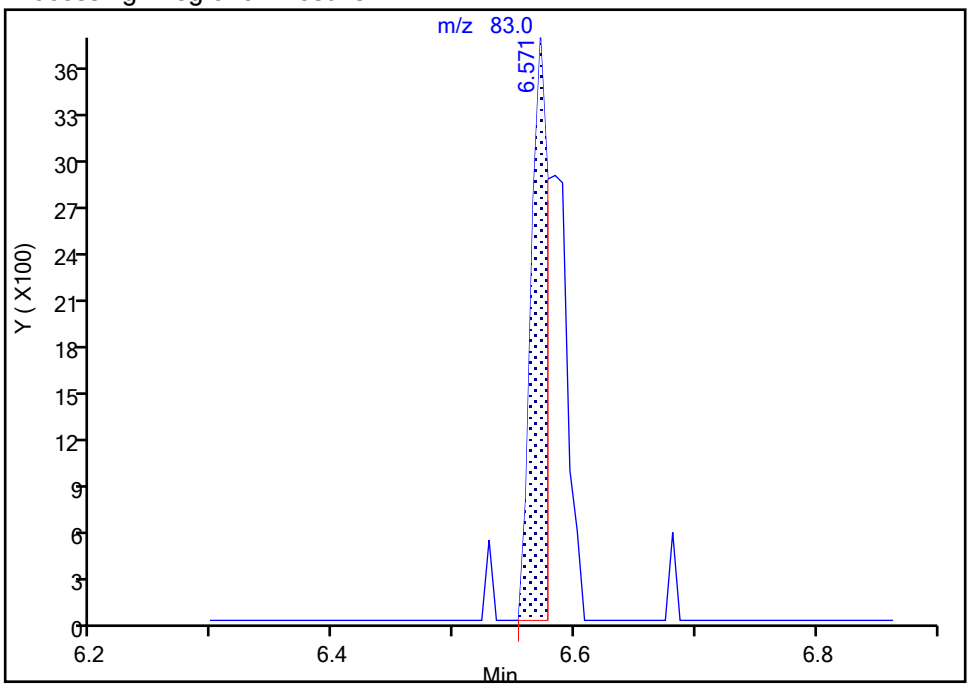
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5717.D
Injection Date: 09-Sep-2020 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

67 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

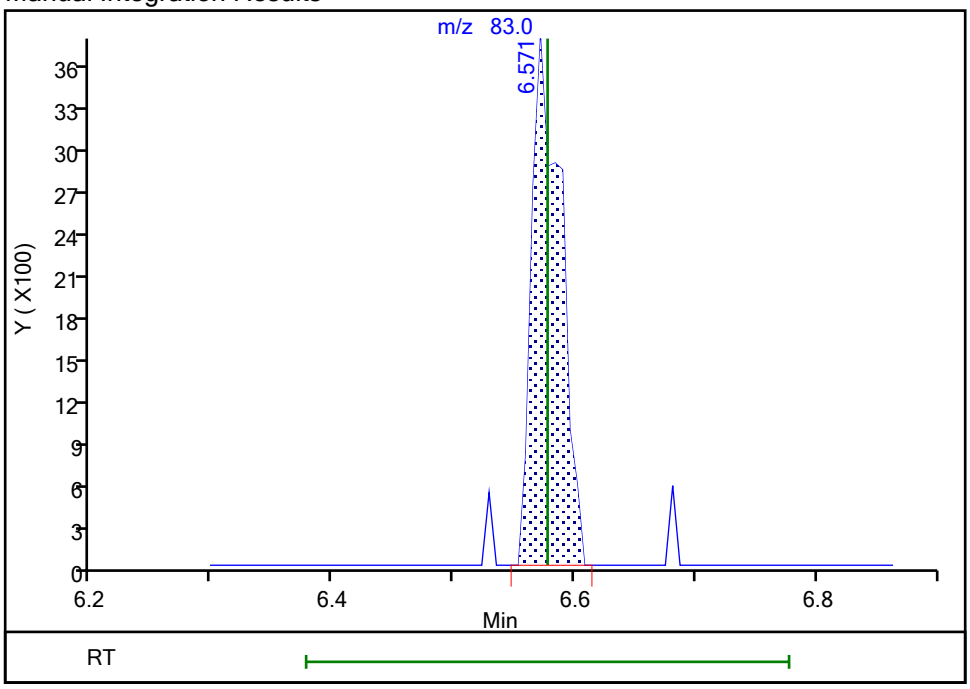
Processing Integration Results

RT: 6.57
Area: 3704
Amount: 0.434636
Amount Units: ug/L



Manual Integration Results

RT: 6.57
Area: 6358
Amount: 0.507585
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:12:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

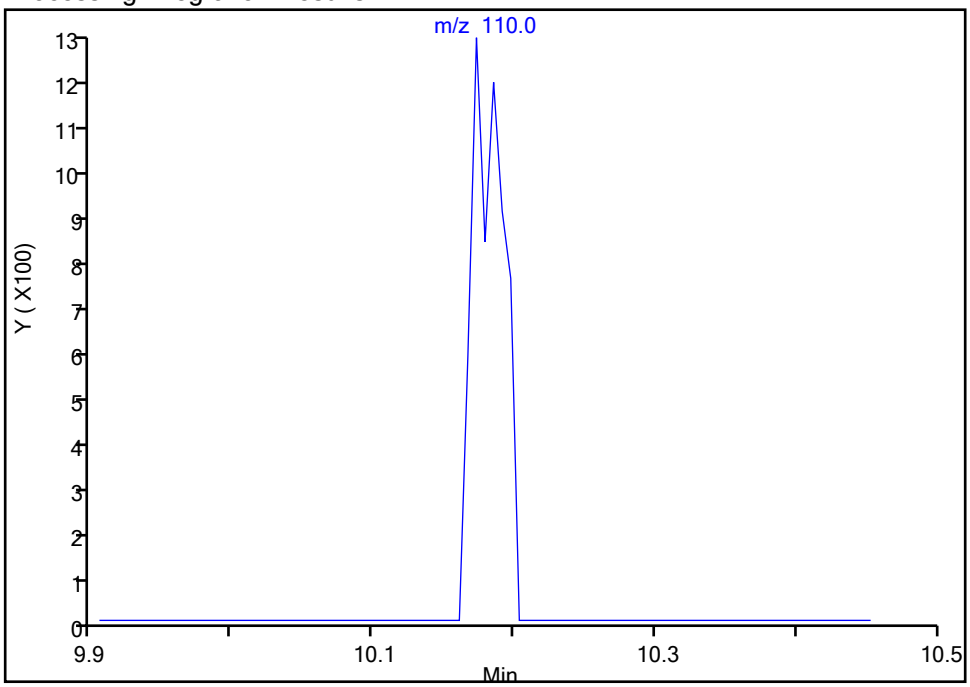
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5717.D
Injection Date: 09-Sep-2020 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

99 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

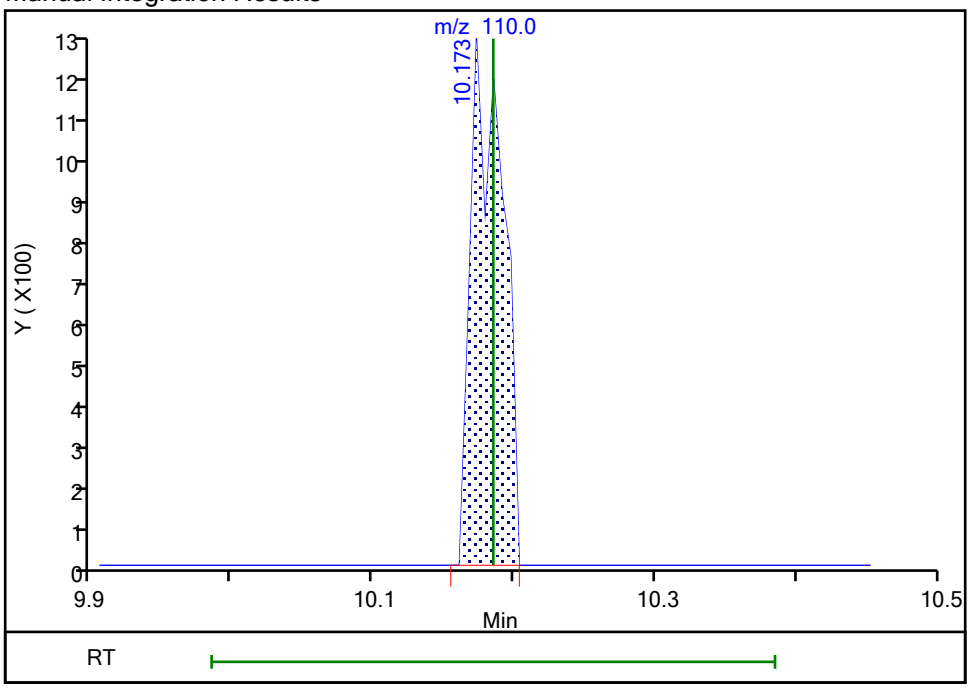
Not Detected
Expected RT: 10.18

Processing Integration Results



Manual Integration Results

RT: 10.17
Area: 1939
Amount: 0.460607
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:13:05
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5718.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 09-Sep-2020 15:46:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0093301-009
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2020 13:27:03 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1030

First Level Reviewer: moffata Date: 10-Sep-2020 11:13:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.695	5.695	0.000	98	185293	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	91	681049	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	95	371139	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.000	93	248474	25.0	24.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.422	5.421	0.001	97	343222	25.0	25.4	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	941633	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	88	279486	25.0	25.0	
11 Dichlorodifluoromethane	85	1.364	1.376	-0.012	40	8718	1.00	0.8850	
13 Chloromethane	50	1.565	1.564	0.001	95	20563	1.00	0.9764	
14 Vinyl chloride	62	1.674	1.674	0.000	54	12165	1.00	0.8840	
144 Butadiene	54	1.674	1.674	0.000	97	19810	1.00	0.9840	
15 Bromomethane	94	2.009	1.996	0.013	54	8465	1.00	1.06	
16 Chloroethane	64	2.106	2.100	0.006	93	8432	1.00	1.00	
17 Dichlorofluoromethane	67	2.343	2.337	0.006	95	16710	1.00	0.9713	
18 Trichlorofluoromethane	101	2.331	2.343	-0.012	67	12110	1.00	0.8764	
19 Ethyl ether	59	2.635	2.641	-0.006	83	12000	1.00	0.8611	
20 Acrolein	56	2.836	2.836	0.000	91	11930	5.00	5.45	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.866	2.866	0.000	66	6852	1.00	0.8447	
22 1,1-Dichloroethene	96	2.885	2.872	0.013	90	7174	1.00	0.8393	
23 Acetone	43	3.000	2.994	0.006	97	33760	5.00	5.13	
24 Iodomethane	142	3.061	3.037	0.024	95	13998	1.00	0.8388	
25 Carbon disulfide	76	3.085	3.073	0.012	99	26857	1.00	0.9049	
27 3-Chloro-1-propene	41	3.250	3.256	-0.006	86	26546	1.00	0.9136	
28 Methyl acetate	43	3.304	3.304	0.000	99	36186	2.00	1.94	
30 Methylene Chloride	84	3.408	3.408	0.000	91	12797	1.00	1.13	
31 2-Methyl-2-propanol	59	3.578	3.578	0.000	97	15502	10.0	10.2	
32 Methyl tert-butyl ether	73	3.621	3.621	0.000	96	28608	1.00	0.9053	
33 trans-1,2-Dichloroethene	96	3.645	3.645	0.000	91	9824	1.00	0.9606	
34 Acrylonitrile	53	3.706	3.700	0.006	100	84994	10.0	9.48	
35 Hexane	57	3.846	3.840	0.006	92	19694	1.00	0.9841	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	4.071	4.071	0.000	95	22239	1.00	0.9681	
39 Vinyl acetate	43	4.120	4.120	0.000	97	72509	2.00	1.77	
42 2,2-Dichloropropane	77	4.606	4.600	0.006	88	7469	1.00	0.8272	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	87	10523	1.00	0.9227	
44 2-Butanone (MEK)	43	4.667	4.667	0.000	96	56765	5.00	5.22	
47 Chlorobromomethane	128	4.874	4.874	0.000	85	4877	1.00	0.8383	
49 Tetrahydrofuran	42	4.904	4.892	0.012	90	17646	2.00	2.25	
50 Chloroform	83	4.953	4.953	0.000	94	18980	1.00	0.99	
51 1,1,1-Trichloroethane	97	5.069	5.069	0.000	92	13494	1.00	0.8995	
52 Cyclohexane	56	5.081	5.075	0.006	90	21821	1.00	0.8555	
53 Carbon tetrachloride	117	5.215	5.209	0.007	73	12061	1.00	0.9502	
54 1,1-Dichloropropene	75	5.221	5.221	0.000	86	13637	1.00	1.02	
55 Benzene	78	5.428	5.428	0.000	43	39713	1.00	0.9778	
56 Isobutyl alcohol	43	5.446	5.434	0.012	29	20170	25.0	22.8	Ma
57 1,2-Dichloroethane	62	5.495	5.494	0.001	92	20349	1.00	1.01	
59 n-Heptane	43	5.598	5.598	0.000	95	27625	1.00	1.12	
60 Trichloroethene	95	6.042	6.042	0.000	89	10448	1.00	0.9770	
62 Methylcyclohexane	83	6.164	6.158	0.006	89	13204	1.00	0.8109	
63 1,2-Dichloropropane	63	6.285	6.285	0.000	86	12743	1.00	1.01	
66 1,4-Dioxane	88	6.425	6.425	0.000	0	895	20.0	11.2	Ma
64 Dibromomethane	93	6.419	6.425	-0.006	91	5943	1.00	0.9323	
67 Dichlorobromomethane	83	6.583	6.577	0.006	93	13087	1.00	1.00	
69 2-Chloroethyl vinyl ether	63	6.851	6.845	0.006	81	8373	1.00	0.9893	
71 cis-1,3-Dichloropropene	75	6.991	6.991	0.000	86	14791	1.00	0.9557	
72 4-Methyl-2-pentanone (MIBK)	58	7.137	7.131	0.006	99	35008	5.00	4.73	
73 Toluene	92	7.283	7.283	0.000	97	24361	1.00	0.9696	
75 trans-1,3-Dichloropropene	75	7.563	7.563	0.000	95	14159	1.00	1.00	
77 Ethyl methacrylate	69	7.593	7.599	-0.006	84	11745	1.00	0.8990	
78 1,1,2-Trichloroethane	83	7.752	7.751	0.001	91	6535	1.00	0.8546	
79 Tetrachloroethene	166	7.812	7.818	-0.006	94	11110	1.00	1.00	
80 1,3-Dichloropropane	76	7.916	7.916	0.000	91	16657	1.00	1.06	
82 2-Hexanone	43	7.977	7.977	0.000	97	72693	5.00	4.56	
83 Chlorodibromomethane	129	8.165	8.159	0.006	90	8553	1.00	0.8785	
84 Ethylene Dibromide	107	8.269	8.269	0.000	92	10427	1.00	1.03	
85 Chlorobenzene	112	8.743	8.743	0.000	95	28044	1.00	0.9745	
88 Ethylbenzene	91	8.828	8.828	0.000	98	41338	1.00	0.9068	
89 1,1,1,2-Tetrachloroethane	131	8.834	8.840	-0.006	43	8449	1.00	0.8265	
90 m-Xylene & p-Xylene	106	8.950	8.950	0.000	98	16512	1.00	0.9181	
91 o-Xylene	106	9.382	9.382	0.000	95	15317	1.00	0.8463	
92 Styrene	104	9.406	9.412	-0.006	90	26075	1.00	0.8930	
93 Bromoform	173	9.662	9.662	0.000	93	4673	1.00	0.7832	
95 Isopropylbenzene	105	9.759	9.753	0.006	95	38214	1.00	0.8493	
97 Bromobenzene	156	10.100	10.106	-0.006	87	11771	1.00	0.9721	
98 1,1,2,2-Tetrachloroethane	83	10.148	10.148	0.000	88	14838	1.00	1.08	
100 N-Propylbenzene	91	10.173	10.173	0.000	98	46367	1.00	0.8940	
99 1,2,3-Trichloropropane	110	10.179	10.185	-0.006	57	4779	1.00	1.11	
101 trans-1,4-Dichloro-2-butene	53	10.197	10.191	0.006	43	2474	1.00	1.18	
102 2-Chlorotoluene	126	10.282	10.282	0.000	97	11675	1.00	1.02	
104 1,3,5-Trimethylbenzene	105	10.349	10.343	0.006	96	33976	1.00	0.8880	
105 4-Chlorotoluene	91	10.392	10.386	0.006	97	34223	1.00	1.04	
106 tert-Butylbenzene	134	10.659	10.659	0.000	92	8397	1.00	0.9651	
108 1,2,4-Trimethylbenzene	105	10.708	10.714	-0.006	96	34707	1.00	0.8885	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.866	10.866	0.000	95	41289	1.00	0.8736	
111 4-Isopropyltoluene	119	11.000	11.000	0.000	96	36810	1.00	0.8443	
110 1,3-Dichlorobenzene	146	11.012	11.006	0.006	79	21519	1.00	0.9032	
113 1,4-Dichlorobenzene	146	11.091	11.091	0.000	90	22265	1.00	0.9207	
115 n-Butylbenzene	91	11.383	11.383	0.000	94	30238	1.00	0.8619	
116 1,2-Dichlorobenzene	146	11.444	11.444	0.000	94	22647	1.00	0.9449	
117 1,2-Dibromo-3-Chloropropane	75	12.174	12.168	0.006	84	1850	1.00	0.7782	M
119 1,2,4-Trichlorobenzene	180	12.837	12.837	0.000	89	14867	1.00	0.9799	
120 Hexachlorobutadiene	225	12.947	12.947	0.000	92	6796	1.00	1.03	
121 Naphthalene	128	13.056	13.056	0.000	96	33828	1.00	0.7891	
122 1,2,3-Trichlorobenzene	180	13.257	13.257	0.000	91	11120	1.00	0.7874	
S 126 Xylenes, Total	1				0			1.76	
S 125 Total BTEX	1				0			4.62	
S 124 1,2-Dichloroethene, Total	1				0			1.88	
S 123 1,3-Dichloropropene, Total	1				0			1.95	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00190	Amount Added:	1.00	Units: uL	
GAS CORP mix_00417	Amount Added:	1.00	Units: uL	
N_8260_Surr_00399	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00193	Amount Added:	1.00	Units: uL	Run Reagent

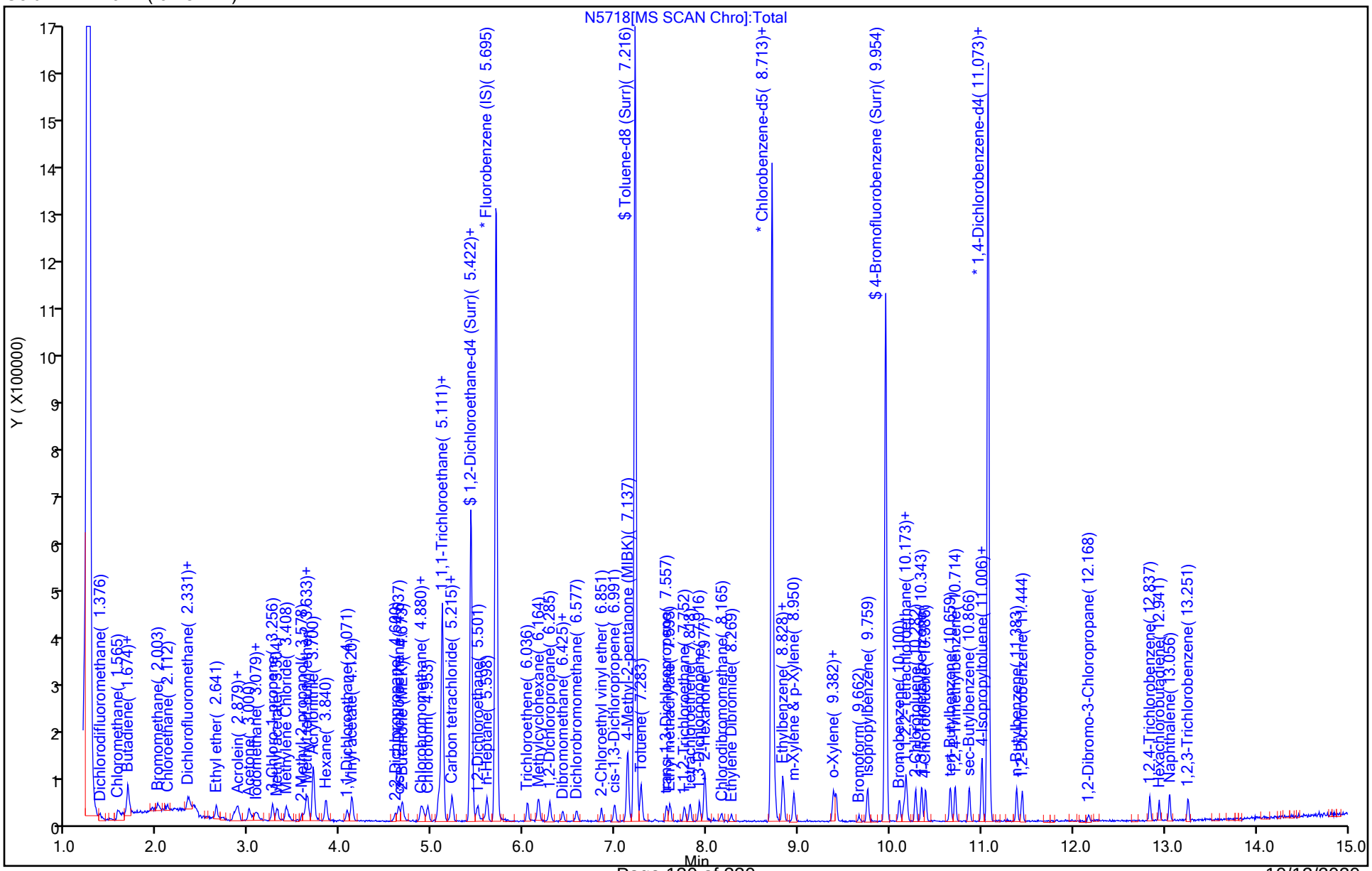
Report Date: 10-Sep-2020 13:27:04 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5718.D

Injection Date:	09-Sep-2020 15:46:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

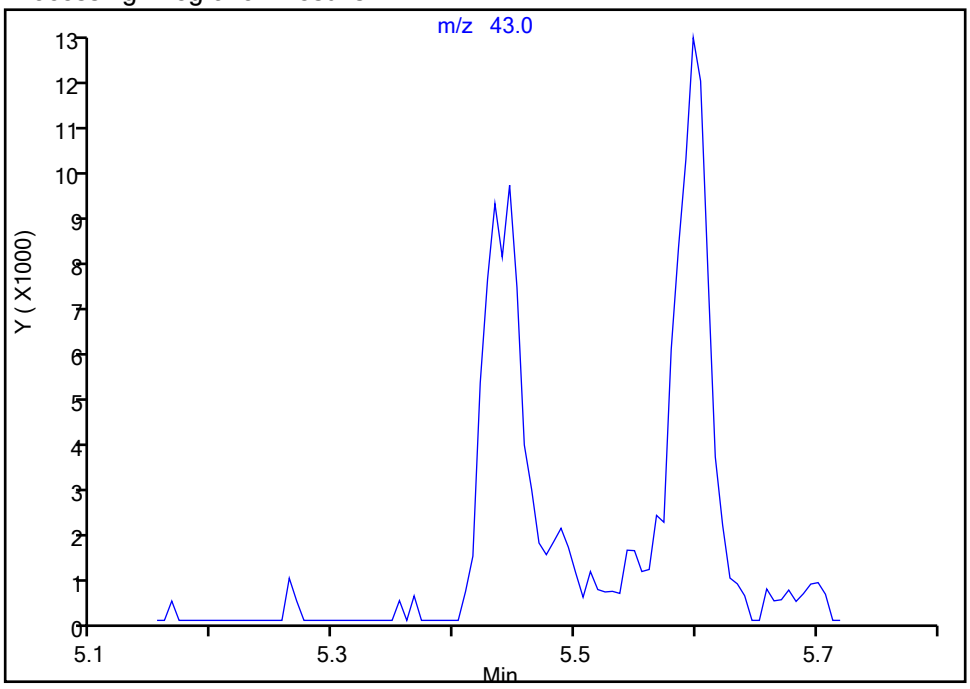
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5718.D
Injection Date: 09-Sep-2020 15:46:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

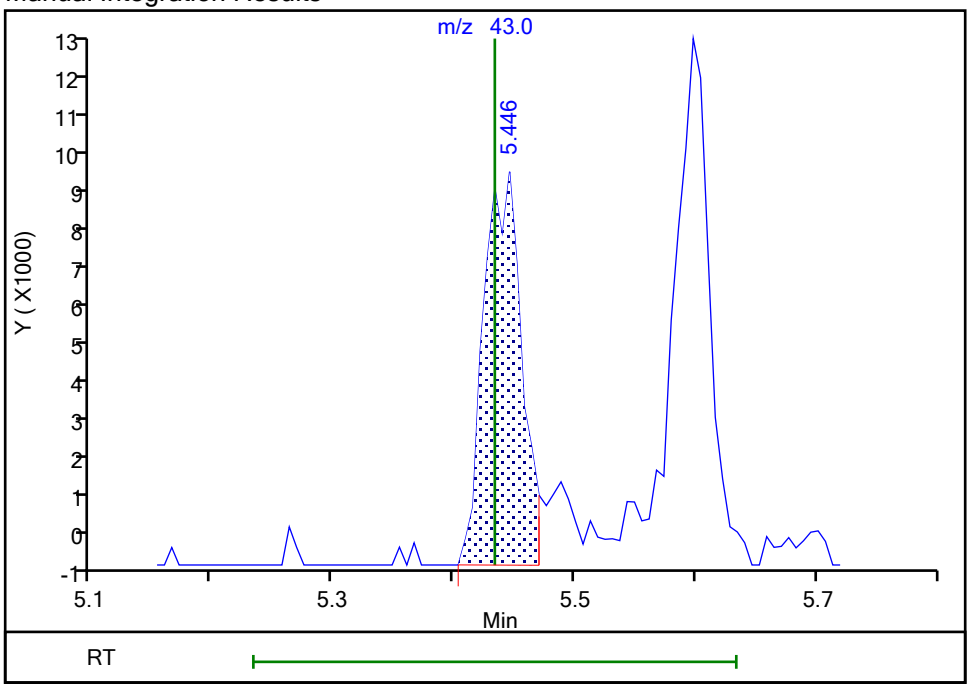
Not Detected
Expected RT: 5.43

Processing Integration Results



Manual Integration Results

RT: 5.45
Area: 20170
Amount: 22.784533
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:14:23
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

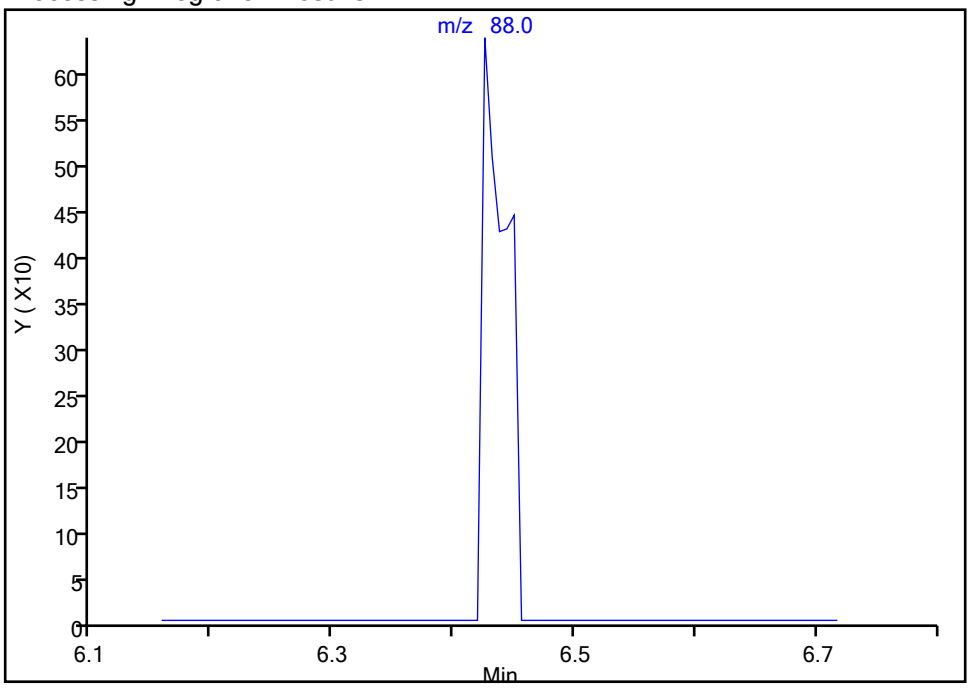
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5718.D
Injection Date: 09-Sep-2020 15:46:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

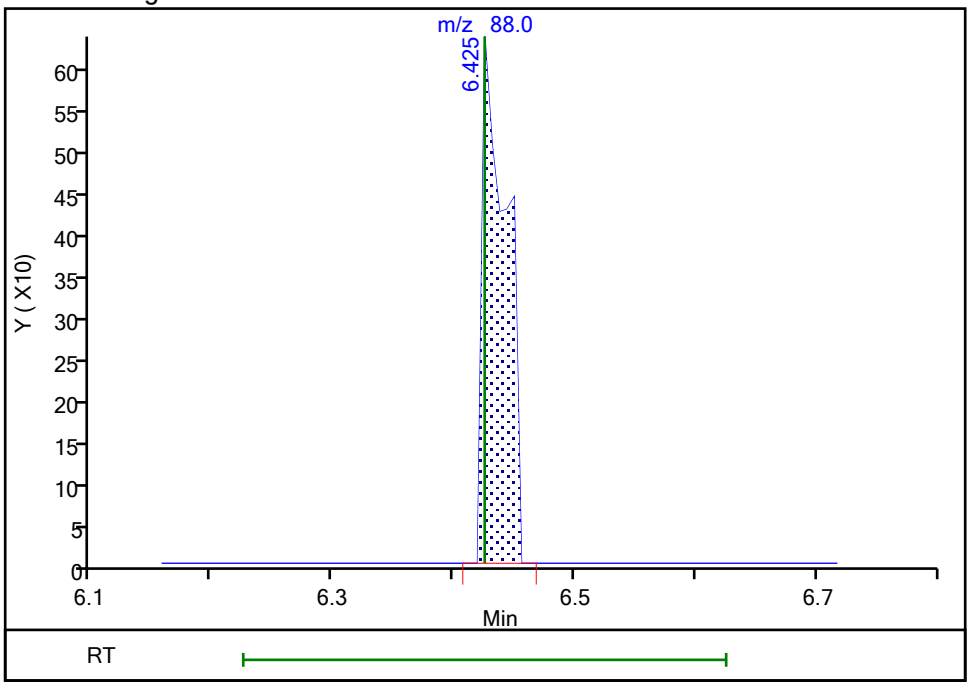
Not Detected
Expected RT: 6.43

Processing Integration Results



Manual Integration Results

RT: 6.43
Area: 895
Amount: 11.163787
Amount Units: ug/L



Reviewer: HillL, 10-Sep-2020 13:11:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

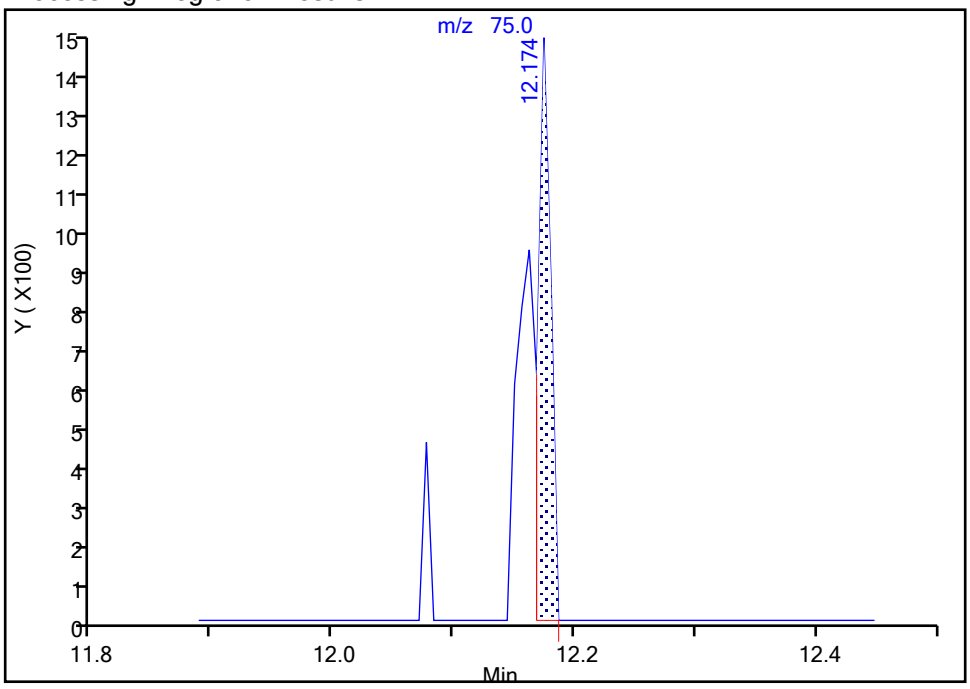
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5718.D
Injection Date: 09-Sep-2020 15:46:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

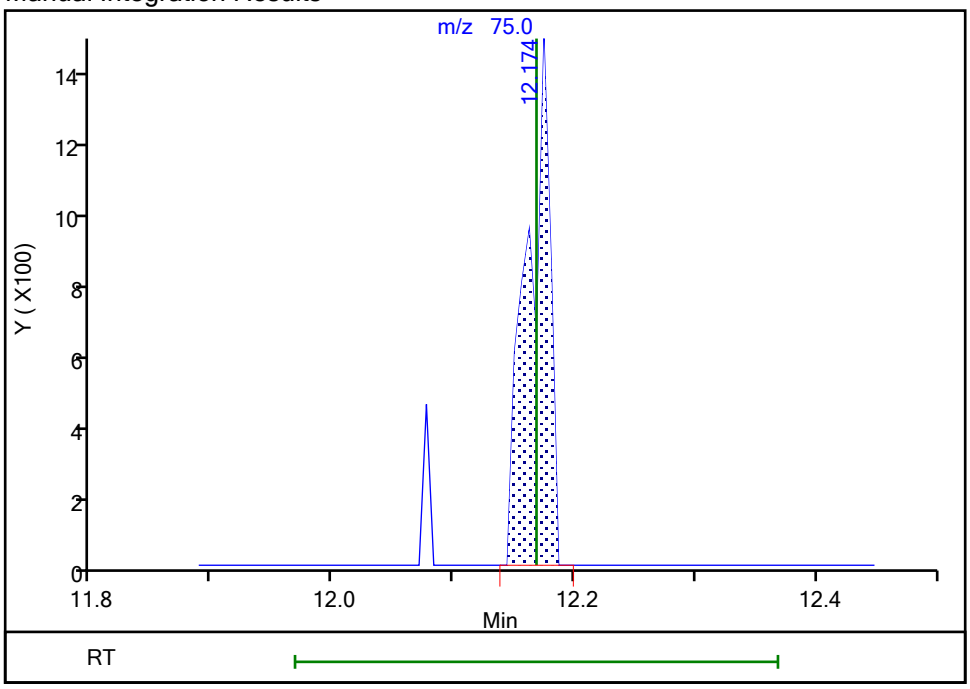
Processing Integration Results

RT: 12.17
Area: 1031
Amount: 0.799531
Amount Units: ug/L



Manual Integration Results

RT: 12.17
Area: 1850
Amount: 0.778170
Amount Units: ug/L



Reviewer: HillL, 10-Sep-2020 13:12:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5719.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 09-Sep-2020 16:10:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0093301-010
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2020 13:27:08 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1030

First Level Reviewer: moffata Date: 10-Sep-2020 11:15:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.695	5.695	0.000	98	174884	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	90	667237	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	96	364057	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.000	93	244784	25.0	25.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.422	5.421	0.001	95	336050	25.0	26.3	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	928486	25.0	25.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	89	283742	25.0	25.9	
11 Dichlorodifluoromethane	85	1.382	1.376	0.006	85	20883	2.00	2.25	
13 Chloromethane	50	1.571	1.564	0.007	99	40068	2.00	2.02	
14 Vinyl chloride	62	1.686	1.674	0.012	51	28631	2.00	2.20	
144 Butadiene	54	1.680	1.674	0.006	94	43010	2.00	2.26	
15 Bromomethane	94	2.009	1.996	0.013	87	16915	2.00	2.25	
16 Chloroethane	64	2.112	2.100	0.012	91	16506	2.00	2.07	
17 Dichlorofluoromethane	67	2.337	2.337	0.000	95	35224	2.00	2.17	
18 Trichlorofluoromethane	101	2.356	2.343	0.013	76	28015	2.00	2.15	
19 Ethyl ether	59	2.648	2.641	0.007	87	26502	2.00	2.01	
20 Acrolein	56	2.830	2.836	-0.006	91	19401	10.0	9.39	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.873	2.866	0.007	69	18398	2.00	2.40	
22 1,1-Dichloroethene	96	2.873	2.872	0.001	89	16524	2.00	2.05	
23 Acetone	43	3.000	2.994	0.006	97	66193	10.0	10.7	
24 Iodomethane	142	3.055	3.037	0.018	95	33083	2.00	2.10	
25 Carbon disulfide	76	3.079	3.073	0.006	99	61269	2.00	2.19	
27 3-Chloro-1-propene	41	3.256	3.256	0.000	85	60280	2.00	2.20	
28 Methyl acetate	43	3.305	3.304	0.001	100	75751	4.00	4.31	
30 Methylene Chloride	84	3.408	3.408	0.000	89	24652	2.00	2.31	M
31 2-Methyl-2-propanol	59	3.584	3.578	0.006	88	30498	20.0	21.3	
32 Methyl tert-butyl ether	73	3.627	3.621	0.006	94	59950	2.00	2.01	
33 trans-1,2-Dichloroethene	96	3.645	3.645	0.000	92	19530	2.00	2.02	
34 Acrylonitrile	53	3.700	3.700	0.000	99	171014	20.0	20.2	
35 Hexane	57	3.840	3.840	0.000	94	48573	2.00	2.57	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	4.071	4.071	0.000	97	43281	2.00	2.00	
39 Vinyl acetate	43	4.120	4.120	0.000	97	151700	4.00	3.93	
42 2,2-Dichloropropane	77	4.600	4.600	0.000	77	18044	2.00	2.12	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	87	21289	2.00	1.98	
44 2-Butanone (MEK)	43	4.673	4.667	0.006	96	110402	10.0	10.8	
47 Chlorobromomethane	128	4.880	4.874	0.006	86	11052	2.00	2.01	
49 Tetrahydrofuran	42	4.898	4.892	0.006	94	33080	4.00	4.48	
50 Chloroform	83	4.953	4.953	0.000	92	37870	2.00	2.10	
51 1,1,1-Trichloroethane	97	5.063	5.069	-0.006	93	30656	2.00	2.17	
52 Cyclohexane	56	5.075	5.075	0.000	95	54584	2.00	2.27	
53 Carbon tetrachloride	117	5.209	5.209	0.001	74	26609	2.00	2.22	
54 1,1-Dichloropropene	75	5.221	5.221	0.000	81	28296	2.00	2.25	
55 Benzene	78	5.428	5.428	0.000	73	83494	2.00	2.18	
56 Isobutyl alcohol	43	5.440	5.434	0.006	56	42298	50.0	50.6	
57 1,2-Dichloroethane	62	5.501	5.494	0.007	95	40921	2.00	2.16	
59 n-Heptane	43	5.598	5.598	0.000	95	59502	2.00	2.55	M
60 Trichloroethene	95	6.048	6.042	0.006	89	24258	2.00	2.40	
62 Methylcyclohexane	83	6.158	6.158	0.000	94	37139	2.00	2.42	
63 1,2-Dichloropropane	63	6.286	6.285	0.001	86	25937	2.00	2.18	
66 1,4-Dioxane	88	6.425	6.425	0.000	41	2464	40.0	31.4	
64 Dibromomethane	93	6.419	6.425	-0.006	90	12986	2.00	2.16	
67 Dichlorobromomethane	83	6.571	6.577	-0.006	95	26659	2.00	2.15	
69 2-Chloroethyl vinyl ether	63	6.845	6.845	0.000	81	16564	2.00	2.07	
71 cis-1,3-Dichloropropene	75	6.991	6.991	0.000	83	30068	2.00	2.06	
72 4-Methyl-2-pentanone (MIBK)	58	7.137	7.131	0.006	97	70679	10.0	9.74	
73 Toluene	92	7.283	7.283	0.000	97	52280	2.00	2.12	
75 trans-1,3-Dichloropropene	75	7.563	7.563	0.000	93	28068	2.00	2.02	
77 Ethyl methacrylate	69	7.600	7.599	0.001	88	25543	2.00	2.00	
78 1,1,2-Trichloroethane	83	7.758	7.751	0.007	93	15666	2.00	2.09	
79 Tetrachloroethene	166	7.819	7.818	0.001	92	22933	2.00	2.11	
80 1,3-Dichloropropane	76	7.916	7.916	0.000	88	32324	2.00	2.11	
82 2-Hexanone	43	7.977	7.977	0.000	97	163365	10.0	10.5	
83 Chlorodibromomethane	129	8.165	8.159	0.006	88	19712	2.00	2.07	
84 Ethylene Dibromide	107	8.263	8.269	-0.006	94	21442	2.00	2.17	
85 Chlorobenzene	112	8.737	8.743	-0.006	89	54634	2.00	1.94	
88 Ethylbenzene	91	8.828	8.828	0.000	97	90277	2.00	2.02	
89 1,1,1,2-Tetrachloroethane	131	8.841	8.840	0.001	45	20651	2.00	2.06	
90 m-Xylene & p-Xylene	106	8.950	8.950	0.000	96	37963	2.00	2.15	
91 o-Xylene	106	9.382	9.382	0.000	96	35973	2.00	2.03	
92 Styrene	104	9.412	9.412	0.000	94	59493	2.00	2.08	
93 Bromoform	173	9.662	9.662	0.000	93	10803	2.00	1.85	
95 Isopropylbenzene	105	9.753	9.753	0.000	96	94306	2.00	2.14	
97 Bromobenzene	156	10.100	10.106	-0.006	87	26512	2.00	2.23	
98 1,1,2,2-Tetrachloroethane	83	10.149	10.148	0.001	93	26860	2.00	1.99	
100 N-Propylbenzene	91	10.173	10.173	0.000	97	106092	2.00	2.09	
99 1,2,3-Trichloropropane	110	10.185	10.185	0.000	93	8199	2.00	1.93	
101 trans-1,4-Dichloro-2-butene	53	10.185	10.191	-0.006	67	7470	2.00	2.09	
102 2-Chlorotoluene	126	10.276	10.282	-0.006	95	23461	2.00	2.09	
104 1,3,5-Trimethylbenzene	105	10.349	10.343	0.006	96	79060	2.00	2.11	
105 4-Chlorotoluene	91	10.386	10.386	0.000	98	67207	2.00	2.07	
106 tert-Butylbenzene	134	10.660	10.659	0.001	93	17457	2.00	2.05	
108 1,2,4-Trimethylbenzene	105	10.714	10.714	0.000	98	78634	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.866	10.866	0.000	95	101312	2.00	2.19	
111 4-Isopropyltoluene	119	11.000	11.000	0.000	98	90147	2.00	2.11	
110 1,3-Dichlorobenzene	146	11.006	11.006	0.000	97	48741	2.00	2.09	
113 1,4-Dichlorobenzene	146	11.092	11.091	0.001	94	48613	2.00	2.05	
115 n-Butylbenzene	91	11.384	11.383	0.001	98	70215	2.00	2.04	
116 1,2-Dichlorobenzene	146	11.438	11.444	-0.006	93	47219	2.00	2.01	
117 1,2-Dibromo-3-Chloropropane	75	12.168	12.168	0.000	76	4661	2.00	2.00	M
119 1,2,4-Trichlorobenzene	180	12.838	12.837	0.001	93	27278	2.00	1.83	
120 Hexachlorobutadiene	225	12.947	12.947	0.000	91	13264	2.00	2.04	
121 Naphthalene	128	13.057	13.056	0.001	97	73768	2.00	1.75	
122 1,2,3-Trichlorobenzene	180	13.257	13.257	0.000	94	26589	2.00	1.92	
S 126 Xylenes, Total	1				0			4.18	
S 125 Total BTEX	1				0			10.5	
S 124 1,2-Dichloroethene, Total	1				0			4.00	
S 123 1,3-Dichloropropene, Total	1				0			4.08	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00190	Amount Added:	2.00	Units: uL	
GAS CORP mix_00417	Amount Added:	2.00	Units: uL	
N_8260_Surr_00399	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00193	Amount Added:	1.00	Units: uL	Run Reagent

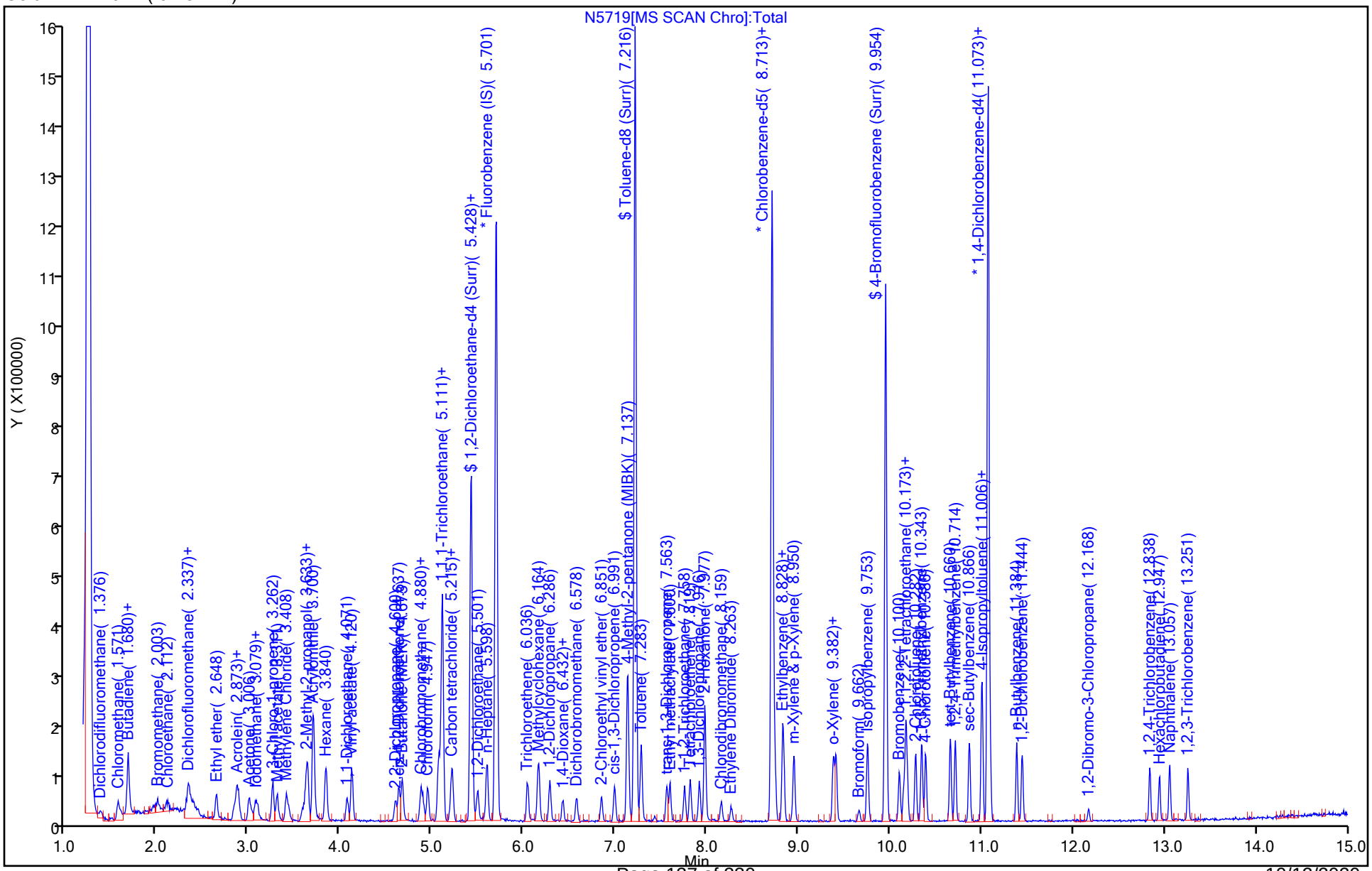
Report Date: 10-Sep-2020 13:27:09 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5719.D

Injection Date:	09-Sep-2020 16:10:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

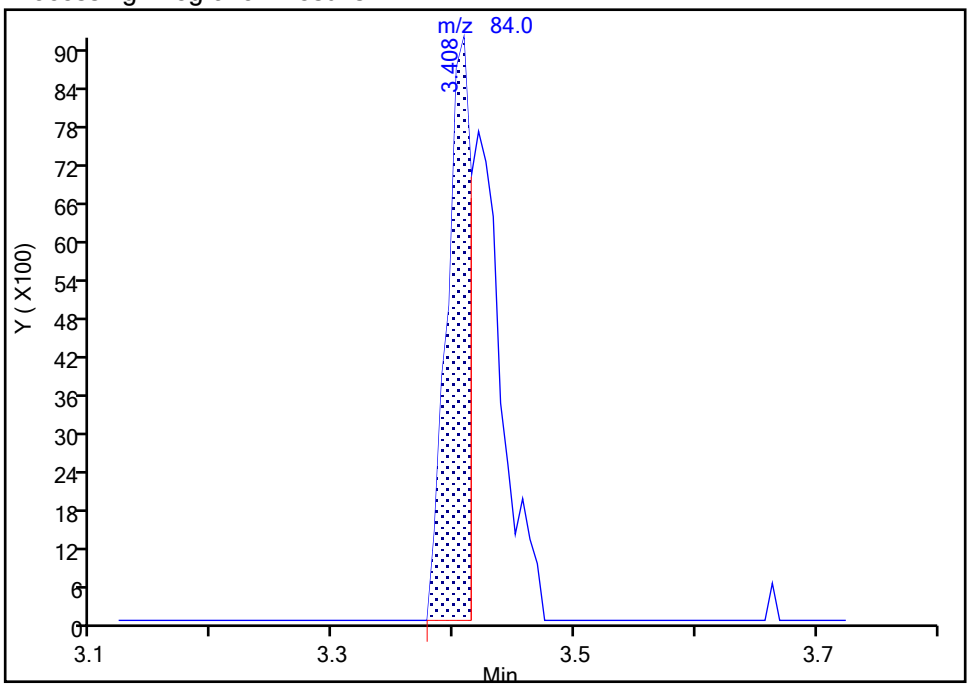
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5719.D
Injection Date: 09-Sep-2020 16:10:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

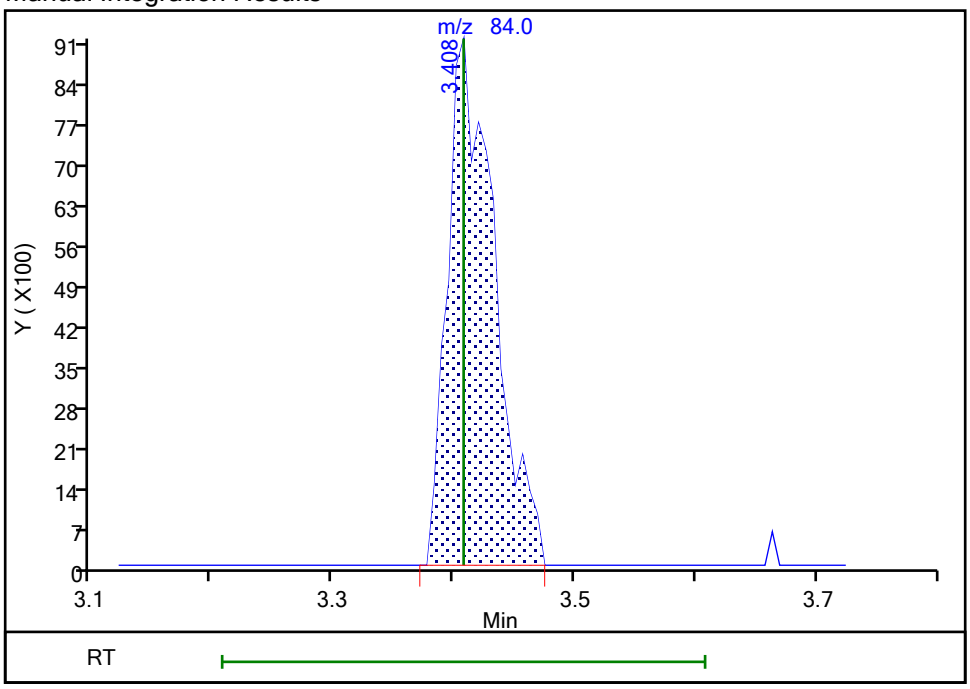
Processing Integration Results

RT: 3.41
Area: 12776
Amount: 1.190958
Amount Units: ug/L



Manual Integration Results

RT: 3.41
Area: 24652
Amount: 2.305558
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:15:06
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

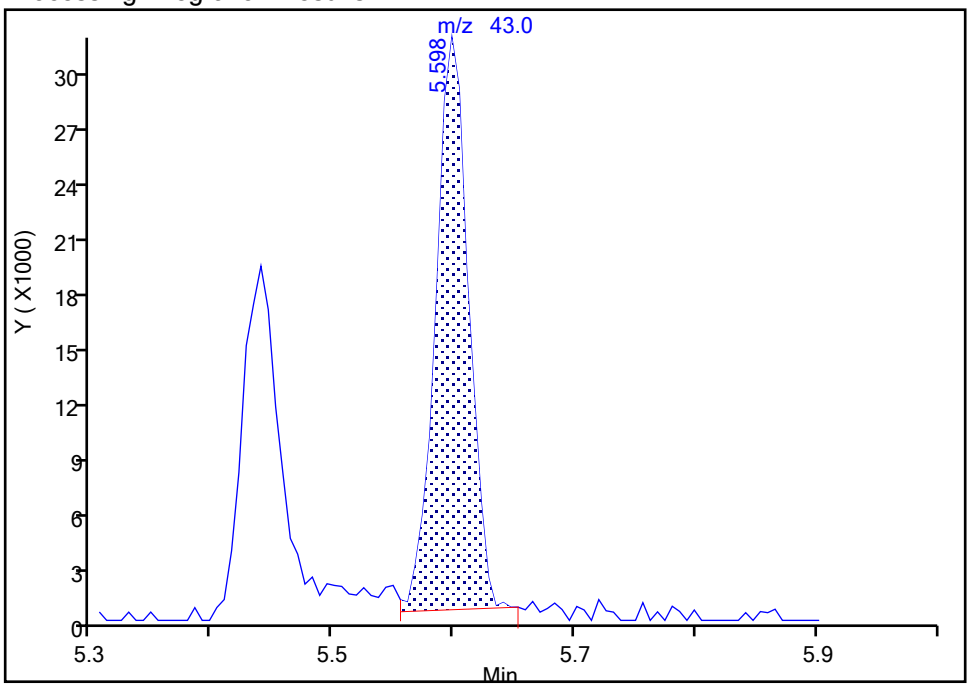
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5719.D
Injection Date: 09-Sep-2020 16:10:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

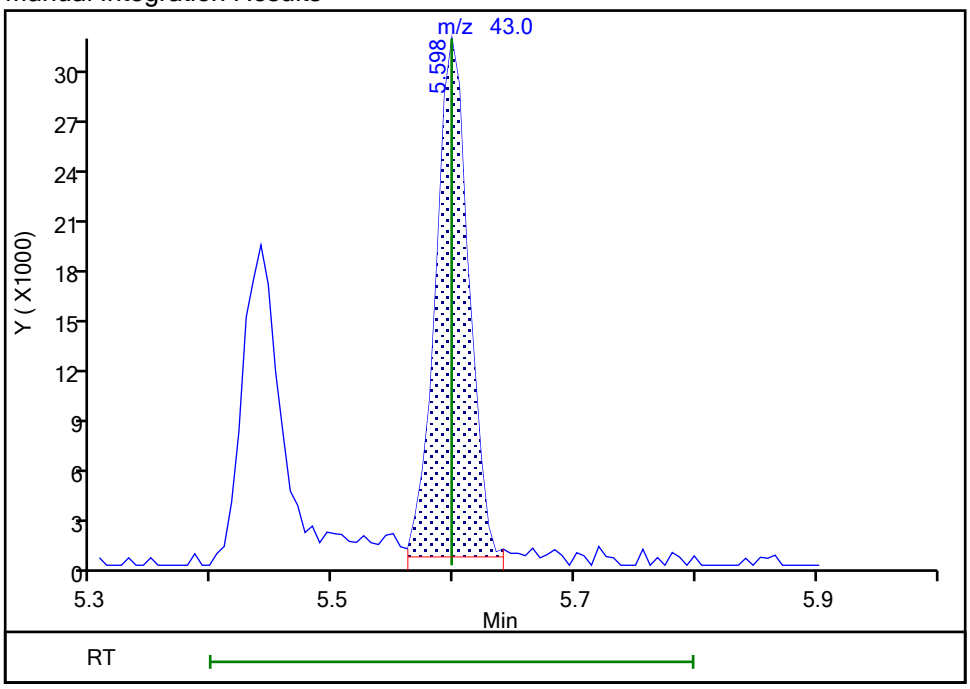
Processing Integration Results

RT: 5.60
Area: 59303
Amount: 2.468726
Amount Units: ug/L



Manual Integration Results

RT: 5.60
Area: 59502
Amount: 2.552397
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:15:42
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

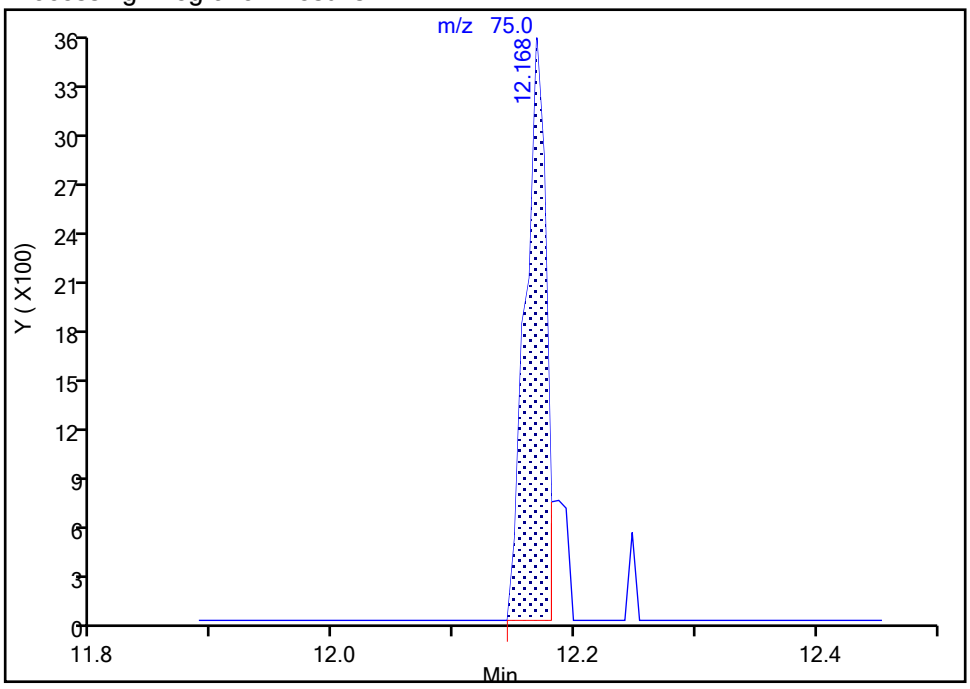
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5719.D
Injection Date: 09-Sep-2020 16:10:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

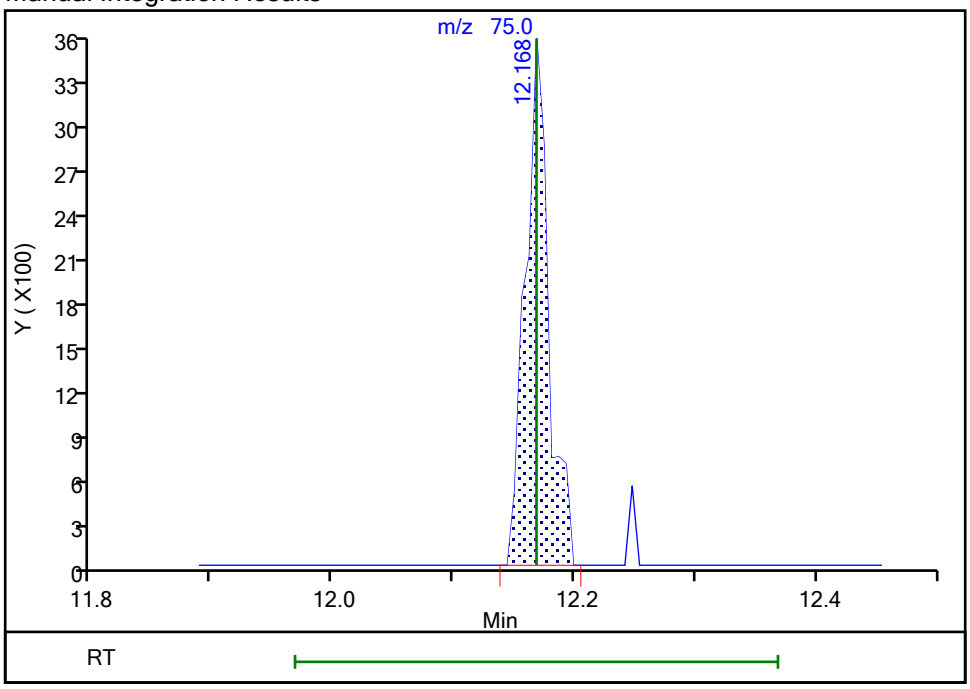
Processing Integration Results

RT: 12.17
Area: 4150
Amount: 1.964899
Amount Units: ug/L



Manual Integration Results

RT: 12.17
Area: 4661
Amount: 1.998706
Amount Units: ug/L



Reviewer: HillL, 10-Sep-2020 13:12:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5720.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 09-Sep-2020 16:34:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0093301-011
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2020 13:27:12 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1030

First Level Reviewer: moffata Date: 10-Sep-2020 11:16:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.695	5.695	0.000	98	178903	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	90	634741	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	95	353317	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.000	93	243961	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.421	5.421	0.000	93	325810	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	879226	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	89	260788	25.0	25.0	
11 Dichlorodifluoromethane	85	1.376	1.376	0.000	97	44569	5.00	4.69	
13 Chloromethane	50	1.571	1.571	0.000	99	100648	5.00	4.95	
14 Vinyl chloride	62	1.680	1.680	0.000	51	67273	5.00	5.06	
144 Butadiene	54	1.680	1.680	0.000	96	93033	5.00	4.79	
15 Bromomethane	94	2.002	2.002	0.000	87	34363	5.00	4.46	
16 Chloroethane	64	2.100	2.100	0.000	95	41772	5.00	5.12	
17 Dichlorofluoromethane	67	2.337	2.337	0.000	94	78228	5.00	4.71	
18 Trichlorofluoromethane	101	2.343	2.343	0.000	70	65697	5.00	4.92	
19 Ethyl ether	59	2.647	2.647	0.000	93	70400	5.00	5.23	
20 Acrolein	56	2.836	2.836	0.000	99	48760	25.0	23.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.866	2.866	0.000	67	40841	5.00	5.21	
22 1,1-Dichloroethene	96	2.878	2.878	0.000	91	40449	5.00	4.90	
23 Acetone	43	3.000	3.000	0.000	98	157012	25.0	24.7	
24 Iodomethane	142	3.043	3.043	0.000	99	79102	5.00	4.91	
25 Carbon disulfide	76	3.079	3.079	0.000	98	134168	5.00	4.68	
27 3-Chloro-1-propene	41	3.262	3.262	0.000	86	131769	5.00	4.70	
28 Methyl acetate	43	3.304	3.304	0.000	99	173564	10.0	9.65	
30 Methylene Chloride	84	3.414	3.414	0.000	88	51210	5.00	4.68	
31 2-Methyl-2-propanol	59	3.584	3.584	0.000	97	69139	50.0	47.2	
32 Methyl tert-butyl ether	73	3.627	3.627	0.000	95	151383	5.00	4.96	
33 trans-1,2-Dichloroethene	96	3.639	3.639	0.000	89	51673	5.00	5.23	
34 Acrylonitrile	53	3.700	3.700	0.000	98	434897	50.0	50.2	
35 Hexane	57	3.840	3.840	0.000	95	97456	5.00	5.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	4.071	4.071	0.000	96	108594	5.00	4.90	
39 Vinyl acetate	43	4.120	4.120	0.000	97	377024	10.0	9.54	
42 2,2-Dichloropropane	77	4.600	4.600	0.000	80	44921	5.00	5.15	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	85	54835	5.00	4.98	
44 2-Butanone (MEK)	43	4.667	4.667	0.000	96	258115	25.0	24.6	
47 Chlorobromomethane	128	4.880	4.880	0.000	85	28505	5.00	5.07	
49 Tetrahydrofuran	42	4.892	4.892	0.000	94	71634	10.0	9.48	
50 Chloroform	83	4.953	4.953	0.000	96	89691	5.00	4.86	
51 1,1,1-Trichloroethane	97	5.069	5.069	0.000	95	72148	5.00	4.98	
52 Cyclohexane	56	5.075	5.075	0.000	95	122892	5.00	4.99	
53 Carbon tetrachloride	117	5.208	5.208	0.000	94	59426	5.00	4.85	
54 1,1-Dichloropropene	75	5.221	5.221	0.000	86	67536	5.00	5.24	
55 Benzene	78	5.427	5.427	0.000	88	187847	5.00	4.79	
56 Isobutyl alcohol	43	5.440	5.440	0.000	93	99517	125.0	116.4	
57 1,2-Dichloroethane	62	5.494	5.494	0.000	95	94679	5.00	4.88	
59 n-Heptane	43	5.592	5.592	0.000	95	114672	5.00	4.81	M
60 Trichloroethene	95	6.042	6.042	0.000	94	51926	5.00	5.03	
62 Methylcyclohexane	83	6.164	6.164	0.000	94	80045	5.00	5.09	
63 1,2-Dichloropropane	63	6.285	6.285	0.000	84	57252	5.00	4.69	
66 1,4-Dioxane	88	6.425	6.425	0.000	38	6476	100.0	86.7	
64 Dibromomethane	93	6.425	6.425	0.000	90	29520	5.00	4.80	
67 Dichlorobromomethane	83	6.571	6.571	0.000	95	60603	5.00	4.79	
69 2-Chloroethyl vinyl ether	63	6.851	6.851	0.000	87	40840	5.00	5.00	
71 cis-1,3-Dichloropropene	75	6.991	6.991	0.000	84	76138	5.00	5.10	
72 4-Methyl-2-pentanone (MIBK)	58	7.137	7.137	0.000	98	175373	25.0	25.4	
73 Toluene	92	7.283	7.283	0.000	97	119582	5.00	5.11	
75 trans-1,3-Dichloropropene	75	7.563	7.563	0.000	93	63214	5.00	4.78	
77 Ethyl methacrylate	69	7.599	7.599	0.000	90	63264	5.00	5.20	
78 1,1,2-Trichloroethane	83	7.758	7.758	0.000	93	35809	5.00	5.02	
79 Tetrachloroethene	166	7.818	7.818	0.000	95	52591	5.00	5.09	
80 1,3-Dichloropropane	76	7.916	7.916	0.000	90	76804	5.00	5.27	
82 2-Hexanone	43	7.977	7.977	0.000	98	393806	25.0	26.5	
83 Chlorodibromomethane	129	8.159	8.159	0.000	90	45409	5.00	5.00	
84 Ethylene Dibromide	107	8.269	8.269	0.000	100	47161	5.00	5.01	
85 Chlorobenzene	112	8.743	8.743	0.000	92	132680	5.00	4.95	
88 Ethylbenzene	91	8.828	8.828	0.000	97	208098	5.00	4.90	
89 1,1,1,2-Tetrachloroethane	131	8.840	8.840	0.000	92	46272	5.00	4.86	
90 m-Xylene & p-Xylene	106	8.950	8.950	0.000	97	82849	5.00	4.94	
91 o-Xylene	106	9.382	9.382	0.000	98	84660	5.00	5.02	
92 Styrene	104	9.412	9.412	0.000	96	137345	5.00	5.05	
93 Bromoform	173	9.662	9.662	0.000	96	28973	5.00	5.21	
95 Isopropylbenzene	105	9.753	9.753	0.000	96	218139	5.00	5.09	
97 Bromobenzene	156	10.106	10.106	0.000	88	57843	5.00	5.02	
98 1,1,2,2-Tetrachloroethane	83	10.148	10.148	0.000	94	64869	5.00	4.96	
100 N-Propylbenzene	91	10.173	10.173	0.000	99	253049	5.00	5.13	
99 1,2,3-Trichloropropane	110	10.185	10.185	0.000	92	23043	5.00	5.60	
101 trans-1,4-Dichloro-2-butene	53	10.197	10.197	0.000	69	20261	5.00	4.49	
102 2-Chlorotoluene	126	10.282	10.282	0.000	96	54238	5.00	4.98	
104 1,3,5-Trimethylbenzene	105	10.349	10.349	0.000	97	176157	5.00	4.84	
105 4-Chlorotoluene	91	10.392	10.392	0.000	97	154153	5.00	4.90	
106 tert-Butylbenzene	134	10.659	10.659	0.000	94	38484	5.00	4.65	
108 1,2,4-Trimethylbenzene	105	10.714	10.714	0.000	98	183333	5.00	4.93	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.866	10.866	0.000	95	220069	5.00	4.89	
111 4-Isopropyltoluene	119	11.006	11.006	0.000	98	202090	5.00	4.87	
110 1,3-Dichlorobenzene	146	11.006	11.006	0.000	96	116984	5.00	5.16	
113 1,4-Dichlorobenzene	146	11.097	11.097	0.000	95	119926	5.00	5.21	
115 n-Butylbenzene	91	11.383	11.383	0.000	97	170903	5.00	5.12	
116 1,2-Dichlorobenzene	146	11.444	11.444	0.000	97	121060	5.00	5.31	
117 1,2-Dibromo-3-Chloropropane	75	12.168	12.168	0.000	77	11448	5.00	5.06	
119 1,2,4-Trichlorobenzene	180	12.837	12.837	0.000	93	72039	5.00	4.99	
120 Hexachlorobutadiene	225	12.947	12.947	0.000	95	33704	5.00	5.35	
121 Naphthalene	128	13.056	13.056	0.000	97	202905	5.00	4.97	
122 1,2,3-Trichlorobenzene	180	13.251	13.251	0.000	97	70251	5.00	5.23	
S 126 Xylenes, Total	1				0			9.96	
S 125 Total BTEX	1				0			24.8	
S 124 1,2-Dichloroethene, Total	1				0			10.2	
S 123 1,3-Dichloropropene, Total	1				0			9.88	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00190	Amount Added:	5.00	Units: uL	
GAS CORP mix_00417	Amount Added:	5.00	Units: uL	
N_8260_Surr_00399	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00193	Amount Added:	1.00	Units: uL	Run Reagent

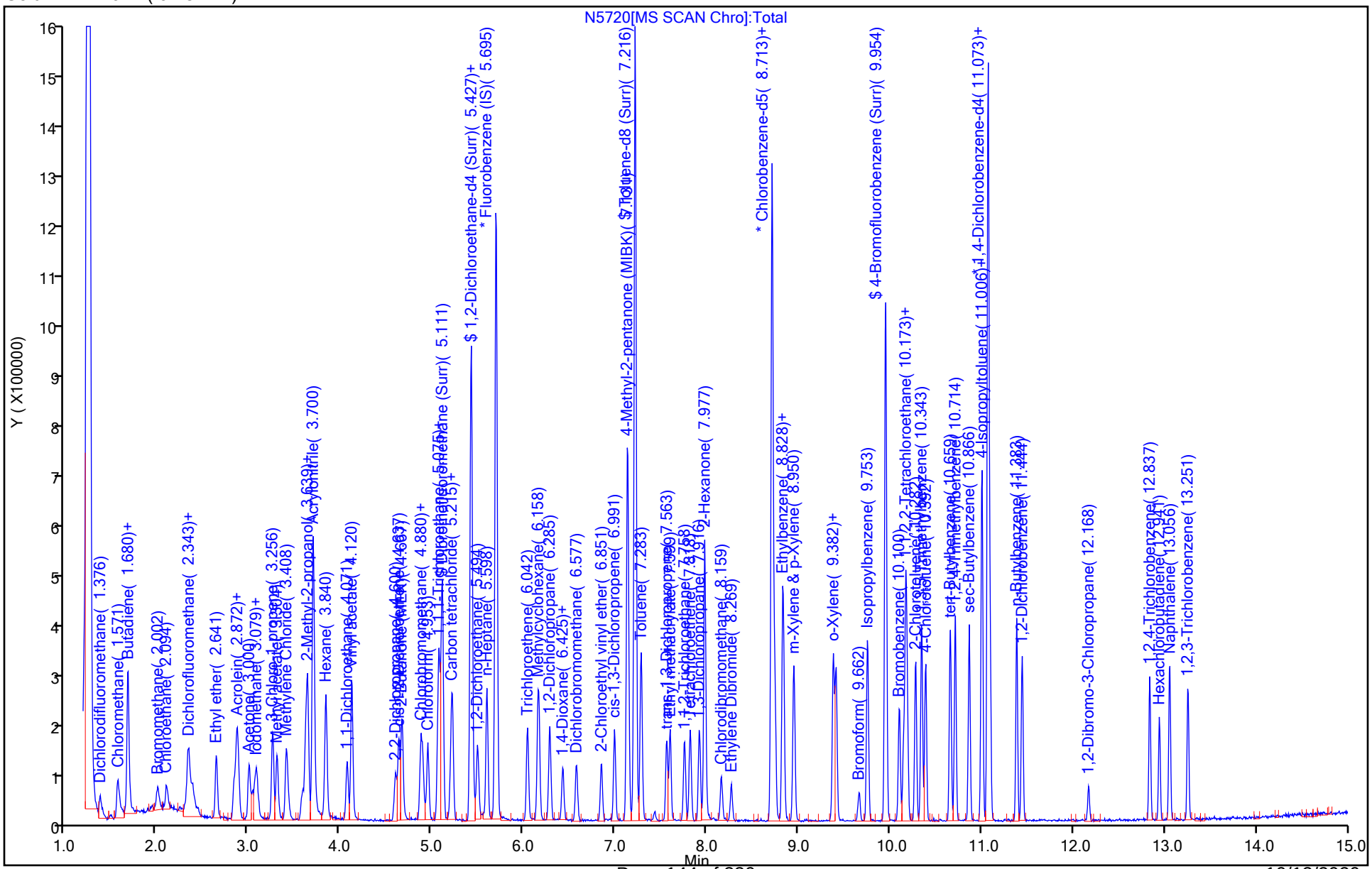
Report Date: 10-Sep-2020 13:27:14 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5720.D

Injection Date:	09-Sep-2020 16:34:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

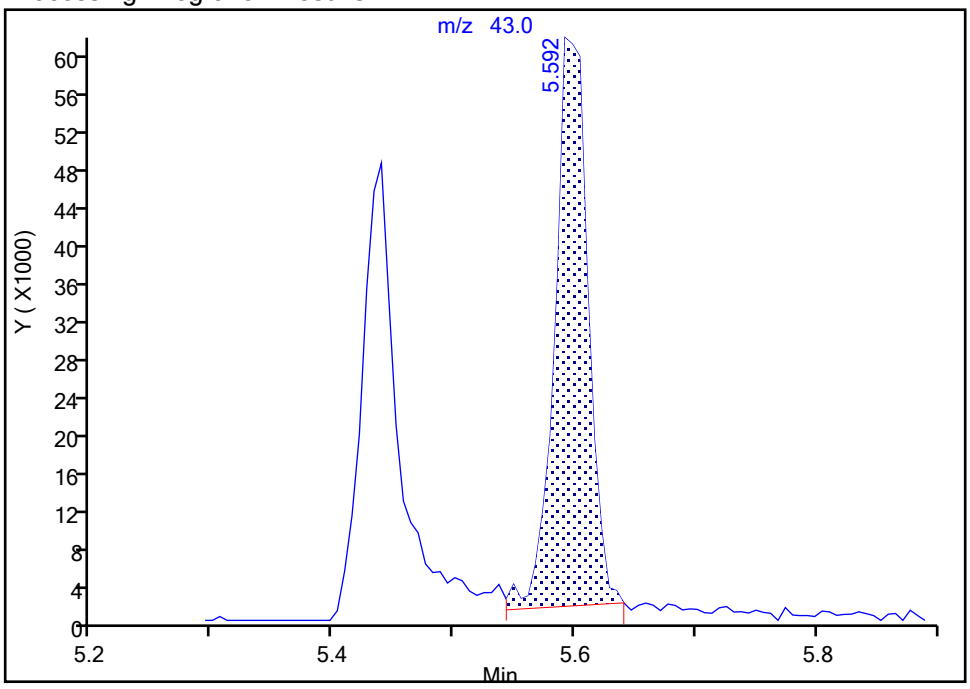
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5720.D
Injection Date: 09-Sep-2020 16:34:30 Instrument ID: HP5973N
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

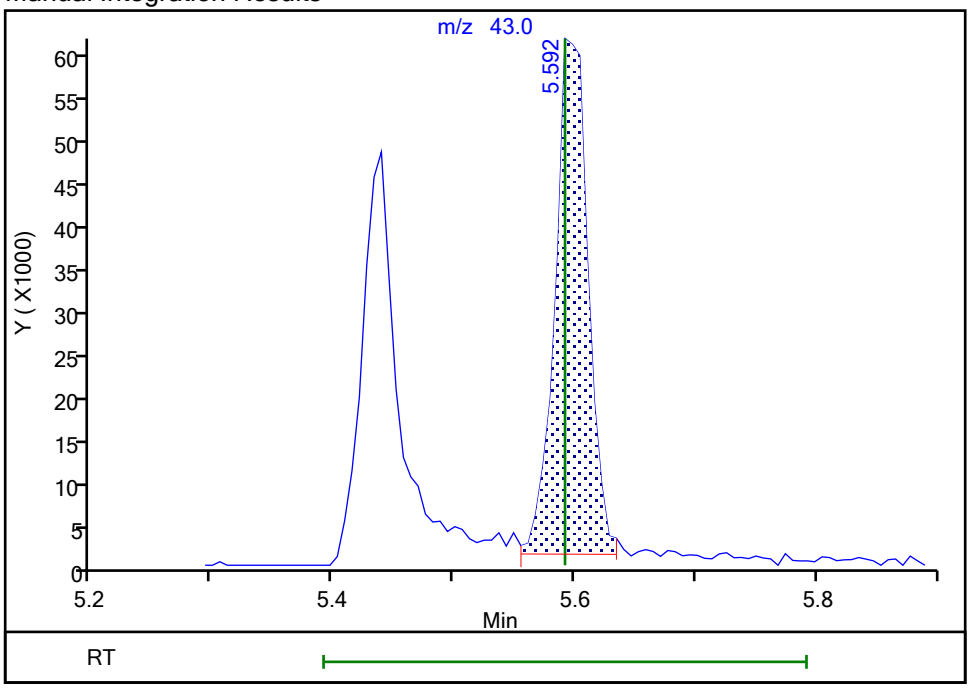
Processing Integration Results

RT: 5.59
Area: 114981
Amount: 4.676596
Amount Units: ug/L



Manual Integration Results

RT: 5.59
Area: 114672
Amount: 4.808466
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:16:24
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5721.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 09-Sep-2020 16:59:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0093301-012
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2020 13:27:17 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1030

First Level Reviewer: moffata Date: 10-Sep-2020 11:17:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.695	5.695	0.000	98	178411	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	90	663872	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	95	372903	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.000	93	245984	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.421	5.421	0.000	91	336468	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	95	931548	25.0	25.7	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	88	281846	25.0	25.9	
11 Dichlorodifluoromethane	85	1.370	1.376	-0.006	97	84214	10.0	8.88	
13 Chloromethane	50	1.571	1.571	0.001	99	191501	10.0	9.44	
14 Vinyl chloride	62	1.674	1.680	-0.006	52	122592	10.0	9.25	
144 Butadiene	54	1.680	1.680	0.000	95	174834	10.0	9.02	
15 Bromomethane	94	1.996	2.002	-0.006	91	70519	10.0	9.19	
16 Chloroethane	64	2.100	2.100	0.000	95	75719	10.0	9.30	
17 Dichlorofluoromethane	67	2.337	2.337	0.000	95	158185	10.0	9.55	
18 Trichlorofluoromethane	101	2.343	2.343	0.000	64	118379	10.0	8.90	
19 Ethyl ether	59	2.641	2.647	-0.006	94	125321	10.0	9.34	
20 Acrolein	56	2.830	2.836	-0.006	99	108460	50.0	51.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.860	2.866	-0.006	62	62898	10.0	8.05	
22 1,1-Dichloroethene	96	2.872	2.878	-0.006	91	71687	10.0	8.71	
23 Acetone	43	3.000	3.000	0.000	97	324617	50.0	51.3	
24 Iodomethane	142	3.049	3.043	0.006	99	145567	10.0	9.06	
25 Carbon disulfide	76	3.085	3.079	0.006	97	230013	10.0	8.05	
27 3-Chloro-1-propene	41	3.256	3.262	-0.006	86	253120	10.0	9.05	
28 Methyl acetate	43	3.304	3.304	0.000	99	343902	20.0	19.2	
30 Methylene Chloride	84	3.414	3.414	0.000	89	99389	10.0	9.11	
31 2-Methyl-2-propanol	59	3.578	3.584	-0.006	93	157187	100.0	107.5	
32 Methyl tert-butyl ether	73	3.621	3.627	-0.006	97	308469	10.0	10.1	
33 trans-1,2-Dichloroethene	96	3.645	3.639	0.006	91	90725	10.0	9.21	
34 Acrylonitrile	53	3.700	3.700	0.000	99	861255	100.0	99.8	
35 Hexane	57	3.840	3.840	0.000	93	144068	10.0	7.48	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	4.071	4.071	0.000	97	202998	10.0	9.18	
39 Vinyl acetate	43	4.120	4.120	0.000	97	788053	20.0	20.0	
42 2,2-Dichloropropane	77	4.594	4.600	-0.006	76	72717	10.0	8.36	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	85	104679	10.0	9.53	
44 2-Butanone (MEK)	43	4.667	4.667	0.000	96	544034	50.0	51.9	
47 Chlorobromomethane	128	4.874	4.880	-0.006	85	56026	10.0	10.0	
49 Tetrahydrofuran	42	4.892	4.892	0.000	92	151768	20.0	20.1	
50 Chloroform	83	4.953	4.953	0.000	96	171641	10.0	9.33	
51 1,1,1-Trichloroethane	97	5.069	5.069	0.000	95	121707	10.0	8.43	
52 Cyclohexane	56	5.075	5.075	0.000	93	196023	10.0	7.98	
53 Carbon tetrachloride	117	5.209	5.208	0.000	95	103276	10.0	8.45	
54 1,1-Dichloropropene	75	5.221	5.221	0.000	84	109807	10.0	8.55	
55 Benzene	78	5.428	5.427	0.001	90	370386	10.0	9.47	
56 Isobutyl alcohol	43	5.434	5.440	-0.006	93	221502	250.0	259.9	
57 1,2-Dichloroethane	62	5.501	5.494	0.007	94	186249	10.0	9.62	
59 n-Heptane	43	5.598	5.592	0.006	96	184575	10.0	7.76	
60 Trichloroethene	95	6.042	6.042	0.000	94	87770	10.0	8.52	
62 Methylcyclohexane	83	6.164	6.164	0.000	94	123641	10.0	7.89	
63 1,2-Dichloropropane	63	6.285	6.285	0.000	89	115408	10.0	9.49	
66 1,4-Dioxane	88	6.431	6.425	0.006	41	18862	200.0	241.4	M
64 Dibromomethane	93	6.425	6.425	0.000	94	63561	10.0	10.4	
67 Dichlorobromomethane	83	6.571	6.571	0.000	95	118809	10.0	9.41	
69 2-Chloroethyl vinyl ether	63	6.845	6.851	-0.006	85	84575	10.0	10.4	
71 cis-1,3-Dichloropropene	75	6.991	6.991	0.000	84	145186	10.0	9.74	
72 4-Methyl-2-pentanone (MIBK)	58	7.131	7.137	-0.006	98	365300	50.0	50.6	
73 Toluene	92	7.283	7.283	0.000	96	228958	10.0	9.35	
75 trans-1,3-Dichloropropene	75	7.563	7.563	0.000	94	140924	10.0	10.2	
77 Ethyl methacrylate	69	7.593	7.599	-0.006	90	127284	10.0	10.0	
78 1,1,2-Trichloroethane	83	7.758	7.758	0.000	93	73726	10.0	9.89	
79 Tetrachloroethene	166	7.818	7.818	0.000	95	94681	10.0	8.76	
80 1,3-Dichloropropane	76	7.922	7.916	0.006	89	146407	10.0	9.60	
82 2-Hexanone	43	7.977	7.977	0.001	97	813933	50.0	52.4	
83 Chlorodibromomethane	129	8.159	8.159	0.000	89	90922	10.0	9.58	
84 Ethylene Dibromide	107	8.269	8.269	0.000	96	98178	10.0	9.97	
85 Chlorobenzene	112	8.743	8.743	0.000	93	267133	10.0	9.52	
88 Ethylbenzene	91	8.828	8.828	0.000	98	411401	10.0	9.26	
89 1,1,1,2-Tetrachloroethane	131	8.834	8.840	-0.006	91	94185	10.0	9.45	
90 m-Xylene & p-Xylene	106	8.950	8.950	0.000	97	165050	10.0	9.41	
91 o-Xylene	106	9.382	9.382	0.000	96	167267	10.0	9.48	
92 Styrene	104	9.412	9.412	0.000	94	272133	10.0	9.56	
93 Bromoform	173	9.662	9.662	0.000	94	57302	10.0	9.85	
95 Isopropylbenzene	105	9.753	9.753	0.000	96	405588	10.0	8.97	
97 Bromobenzene	156	10.100	10.106	-0.006	88	118725	10.0	9.76	
98 1,1,2,2-Tetrachloroethane	83	10.148	10.148	0.000	94	129626	10.0	9.39	
100 N-Propylbenzene	91	10.173	10.173	0.000	99	466851	10.0	8.96	
99 1,2,3-Trichloropropane	110	10.185	10.185	0.000	92	42419	10.0	9.76	
101 trans-1,4-Dichloro-2-butene	53	10.197	10.197	0.000	76	48535	10.0	9.23	
102 2-Chlorotoluene	126	10.282	10.282	0.000	96	109472	10.0	9.51	
104 1,3,5-Trimethylbenzene	105	10.343	10.349	-0.006	96	356249	10.0	9.27	
105 4-Chlorotoluene	91	10.392	10.392	0.000	98	307734	10.0	9.27	
106 tert-Butylbenzene	134	10.659	10.659	0.000	95	78224	10.0	8.95	
108 1,2,4-Trimethylbenzene	105	10.714	10.714	0.000	97	354312	10.0	9.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.866	10.866	0.000	95	412504	10.0	8.69	
110 1,3-Dichlorobenzene	146	11.006	11.006	0.000	97	226395	10.0	9.46	
111 4-Isopropyltoluene	119	11.000	11.006	-0.006	98	394037	10.0	8.99	
113 1,4-Dichlorobenzene	146	11.097	11.097	0.000	94	231697	10.0	9.54	
115 n-Butylbenzene	91	11.383	11.383	0.000	97	311366	10.0	8.83	
116 1,2-Dichlorobenzene	146	11.444	11.444	0.000	97	228595	10.0	9.49	
117 1,2-Dibromo-3-Chloropropane	75	12.168	12.168	0.000	78	24095	10.0	10.1	
119 1,2,4-Trichlorobenzene	180	12.837	12.837	0.000	94	142255	10.0	9.33	
120 Hexachlorobutadiene	225	12.947	12.947	0.000	95	57046	10.0	8.58	
121 Naphthalene	128	13.056	13.056	0.000	97	426189	10.0	9.89	
122 1,2,3-Trichlorobenzene	180	13.257	13.251	0.006	94	130969	10.0	9.23	
S 126 Xylenes, Total	1				0			18.9	
S 125 Total BTEX	1				0			47.0	
S 124 1,2-Dichloroethene, Total	1				0			18.7	
S 123 1,3-Dichloropropene, Total	1				0			19.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00190	Amount Added:	5.00	Units: uL	
GAS CORP mix_00417	Amount Added:	5.00	Units: uL	
N_8260_Surr_00399	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00193	Amount Added:	1.00	Units: uL	Run Reagent

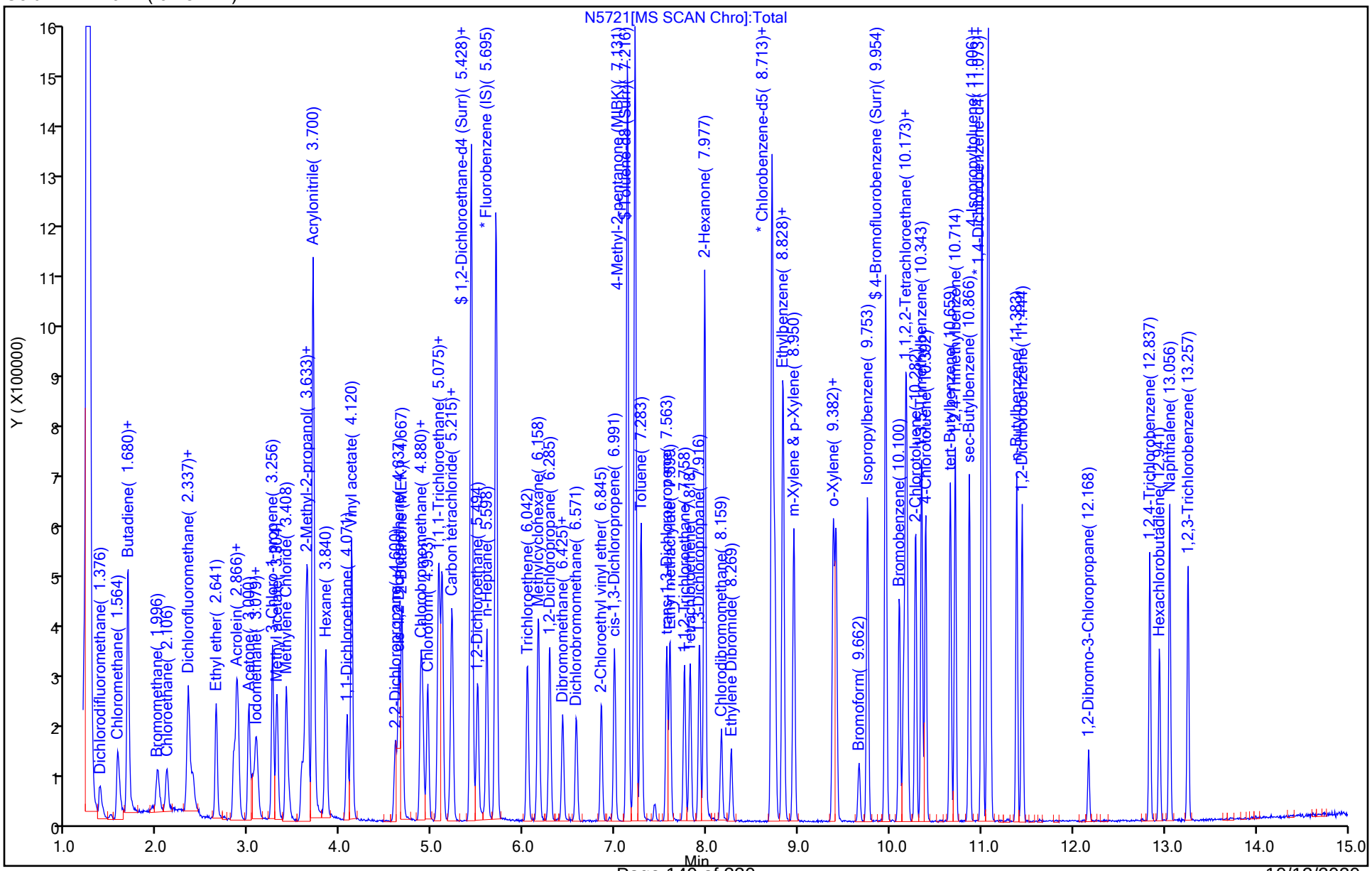
Report Date: 10-Sep-2020 13:27:19 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5721.D

Injection Date:	09-Sep-2020 16:59:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

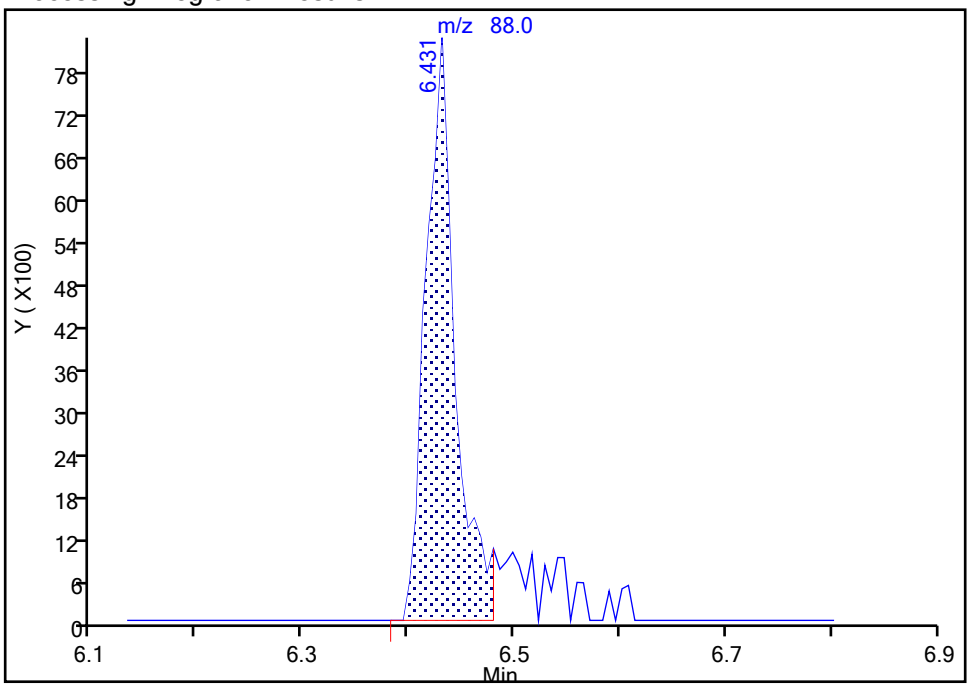
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5721.D
Injection Date: 09-Sep-2020 16:59:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

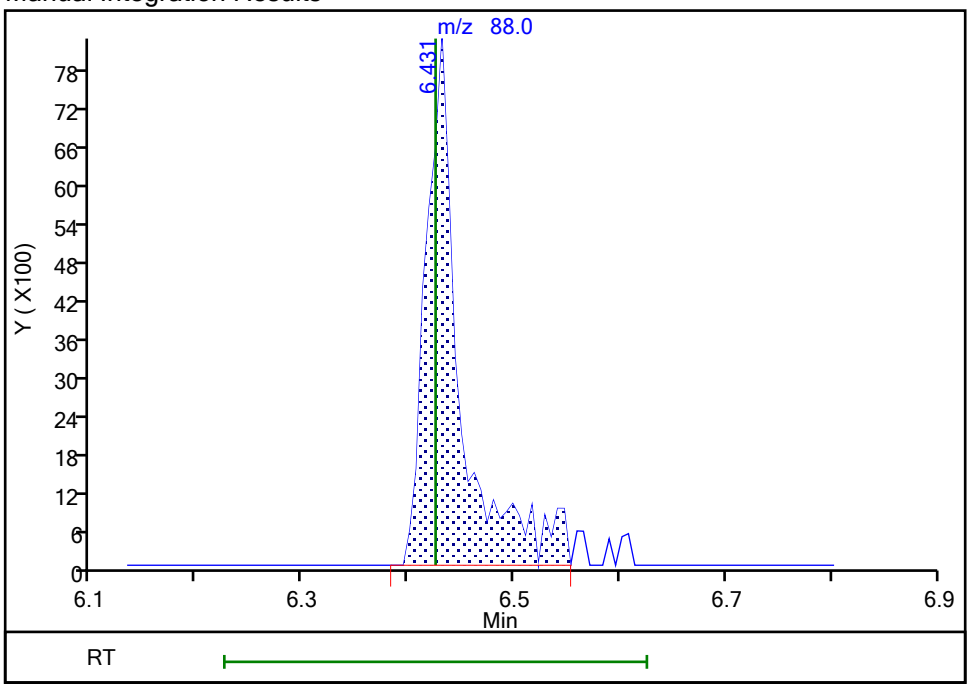
Processing Integration Results

RT: 6.43
Area: 16054
Amount: 224.0268
Amount Units: ug/L



Manual Integration Results

RT: 6.43
Area: 18862
Amount: 241.3627
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:17:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5722.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 09-Sep-2020 17:23:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0093301-013
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2020 13:27:23 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1030

First Level Reviewer: moffata Date: 10-Sep-2020 10:50:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.701	5.701	0.000	97	172372	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	89	600800	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	95	349055	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.000	93	249964	25.0	26.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.421	5.421	0.000	66	315935	25.0	25.1	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	843203	25.0	25.7	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	88	243727	25.0	24.7	
11 Dichlorodifluoromethane	85	1.376	1.376	0.000	98	248083	25.0	27.1	
13 Chloromethane	50	1.564	1.564	0.000	99	531912	25.0	27.2	
14 Vinyl chloride	62	1.674	1.674	0.000	50	344155	25.0	26.9	
144 Butadiene	54	1.674	1.674	0.000	97	473716	25.0	25.3	
15 Bromomethane	94	1.996	1.996	0.000	91	189952	25.0	25.6	
16 Chloroethane	64	2.100	2.100	0.000	95	213714	25.0	27.2	
17 Dichlorofluoromethane	67	2.337	2.337	0.000	94	422614	25.0	26.4	
18 Trichlorofluoromethane	101	2.343	2.343	0.000	68	346180	25.0	26.9	
19 Ethyl ether	59	2.641	2.641	0.000	92	326425	25.0	25.2	
20 Acrolein	56	2.836	2.836	0.000	99	253245	125.0	124.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.866	2.866	0.000	63	199841	25.0	26.5	
22 1,1-Dichloroethene	96	2.872	2.872	0.000	91	211961	25.0	26.7	
23 Acetone	43	2.994	2.994	0.000	97	707913	125.0	115.7	
24 Iodomethane	142	3.037	3.037	0.000	99	417436	25.0	26.9	
25 Carbon disulfide	76	3.073	3.073	0.000	98	710179	25.0	25.7	
27 3-Chloro-1-propene	41	3.256	3.256	0.000	87	711418	25.0	26.3	
28 Methyl acetate	43	3.304	3.304	0.000	99	794063	50.0	45.8	
30 Methylene Chloride	84	3.408	3.408	0.000	89	263549	25.0	25.0	
31 2-Methyl-2-propanol	59	3.578	3.578	0.000	94	299421	250.0	212.0	
32 Methyl tert-butyl ether	73	3.621	3.621	0.000	95	792206	25.0	26.9	
33 trans-1,2-Dichloroethene	96	3.645	3.645	0.000	90	256690	25.0	27.0	
34 Acrylonitrile	53	3.700	3.700	0.000	98	2062968	250.0	247.4	
35 Hexane	57	3.840	3.840	0.000	97	456824	25.0	24.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	4.071	4.071	0.000	96	568990	25.0	26.6	
39 Vinyl acetate	43	4.120	4.120	0.000	97	1823988	50.0	47.9	
42 2,2-Dichloropropane	77	4.600	4.600	0.000	81	229061	25.0	27.3	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	85	279023	25.0	26.3	
44 2-Butanone (MEK)	43	4.667	4.667	0.000	96	1137713	125.0	112.4	
47 Chlorobromomethane	128	4.874	4.874	0.000	87	150967	25.0	27.9	
49 Tetrahydrofuran	42	4.892	4.892	0.000	92	335490	50.0	46.1	
50 Chloroform	83	4.953	4.953	0.000	95	445520	25.0	25.1	
51 1,1,1-Trichloroethane	97	5.069	5.069	0.000	97	361075	25.0	25.9	
52 Cyclohexane	56	5.075	5.075	0.000	95	615863	25.0	26.0	
53 Carbon tetrachloride	117	5.209	5.209	0.000	95	308327	25.0	26.1	
54 1,1-Dichloropropene	75	5.221	5.221	0.000	84	304614	25.0	24.5	
55 Benzene	78	5.428	5.428	0.000	90	934842	25.0	24.7	
56 Isobutyl alcohol	43	5.434	5.434	0.000	92	499935	625.0	607.1	
57 1,2-Dichloroethane	62	5.494	5.494	0.000	95	427164	25.0	22.8	
59 n-Heptane	43	5.598	5.598	0.000	94	493214	25.0	21.5	
60 Trichloroethene	95	6.042	6.042	0.000	93	233784	25.0	23.5	
62 Methylcyclohexane	83	6.158	6.158	0.000	94	394171	25.0	26.0	
63 1,2-Dichloropropane	63	6.285	6.285	0.000	87	276022	25.0	23.5	
66 1,4-Dioxane	88	6.425	6.425	0.000	37	35645	500.0	504.0	
64 Dibromomethane	93	6.425	6.425	0.000	94	149353	25.0	25.2	
67 Dichlorobromomethane	83	6.577	6.577	0.000	96	293253	25.0	24.0	
69 2-Chloroethyl vinyl ether	63	6.845	6.845	0.000	86	166732	25.0	21.2	
71 cis-1,3-Dichloropropene	75	6.991	6.991	0.000	85	334275	25.0	23.2	
72 4-Methyl-2-pentanone (MIBK)	58	7.131	7.131	0.000	97	849110	125.0	130.0	
73 Toluene	92	7.283	7.283	0.000	96	557558	25.0	25.2	
75 trans-1,3-Dichloropropene	75	7.563	7.563	0.000	92	293300	25.0	23.4	
77 Ethyl methacrylate	69	7.599	7.599	0.000	90	298543	25.0	25.9	
78 1,1,2-Trichloroethane	83	7.751	7.751	0.000	96	162340	25.0	24.1	
79 Tetrachloroethene	166	7.818	7.818	0.000	95	239537	25.0	24.5	
80 1,3-Dichloropropane	76	7.916	7.916	0.000	90	331833	25.0	24.0	
82 2-Hexanone	43	7.977	7.977	0.000	98	1754875	125.0	124.7	
83 Chlorodibromomethane	129	8.159	8.159	0.000	90	218305	25.0	25.4	
84 Ethylene Dibromide	107	8.269	8.269	0.000	99	215334	25.0	24.2	
85 Chlorobenzene	112	8.743	8.743	0.000	93	621760	25.0	24.5	
88 Ethylbenzene	91	8.828	8.828	0.000	98	1040955	25.0	25.9	
89 1,1,1,2-Tetrachloroethane	131	8.840	8.840	0.000	94	241069	25.0	26.7	
90 m-Xylene & p-Xylene	106	8.950	8.950	0.000	98	410211	25.0	25.9	
91 o-Xylene	106	9.382	9.382	0.000	96	429878	25.0	26.9	
92 Styrene	104	9.412	9.412	0.000	94	659795	25.0	25.6	
93 Bromoform	173	9.662	9.662	0.000	96	133041	25.0	25.3	
95 Isopropylbenzene	105	9.753	9.753	0.000	96	1083245	25.0	25.6	
97 Bromobenzene	156	10.106	10.106	0.000	89	262405	25.0	23.0	
98 1,1,2,2-Tetrachloroethane	83	10.148	10.148	0.000	94	307584	25.0	23.8	
100 N-Propylbenzene	91	10.173	10.173	0.000	98	1219001	25.0	25.0	
99 1,2,3-Trichloropropane	110	10.185	10.185	0.000	93	95799	25.0	23.6	
101 trans-1,4-Dichloro-2-butene	53	10.191	10.191	0.000	78	121451	25.0	23.4	
102 2-Chlorotoluene	126	10.282	10.282	0.000	96	267694	25.0	24.9	
104 1,3,5-Trimethylbenzene	105	10.343	10.343	0.000	97	932086	25.0	25.9	
105 4-Chlorotoluene	91	10.386	10.386	0.000	98	759831	25.0	24.5	
106 tert-Butylbenzene	134	10.659	10.659	0.000	94	200753	25.0	24.5	
108 1,2,4-Trimethylbenzene	105	10.714	10.714	0.000	97	946630	25.0	25.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.866	10.866	0.000	95	1143679	25.0	25.7	
110 1,3-Dichlorobenzene	146	11.006	11.006	0.000	99	547552	25.0	24.4	
111 4-Isopropyltoluene	119	11.000	11.000	0.000	98	1092640	25.0	26.6	
113 1,4-Dichlorobenzene	146	11.091	11.091	0.000	94	555307	25.0	24.4	
115 n-Butylbenzene	91	11.383	11.383	0.000	98	858917	25.0	26.0	
116 1,2-Dichlorobenzene	146	11.444	11.444	0.000	98	562013	25.0	24.9	
117 1,2-Dibromo-3-Chloropropane	75	12.168	12.168	0.000	78	57389	25.0	25.7	
119 1,2,4-Trichlorobenzene	180	12.837	12.837	0.000	95	359838	25.0	25.2	
120 Hexachlorobutadiene	225	12.947	12.947	0.000	97	149528	25.0	24.0	
121 Naphthalene	128	13.056	13.056	0.000	97	1102311	25.0	27.3	
122 1,2,3-Trichlorobenzene	180	13.257	13.257	0.000	96	352278	25.0	26.5	

Reagents:

8260 CORP mix_00190	Amount Added: 12.50	Units: uL	
GAS CORP mix_00417	Amount Added: 12.50	Units: uL	
N_8260_Surr_00399	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00193	Amount Added: 1.00	Units: uL	Run Reagent

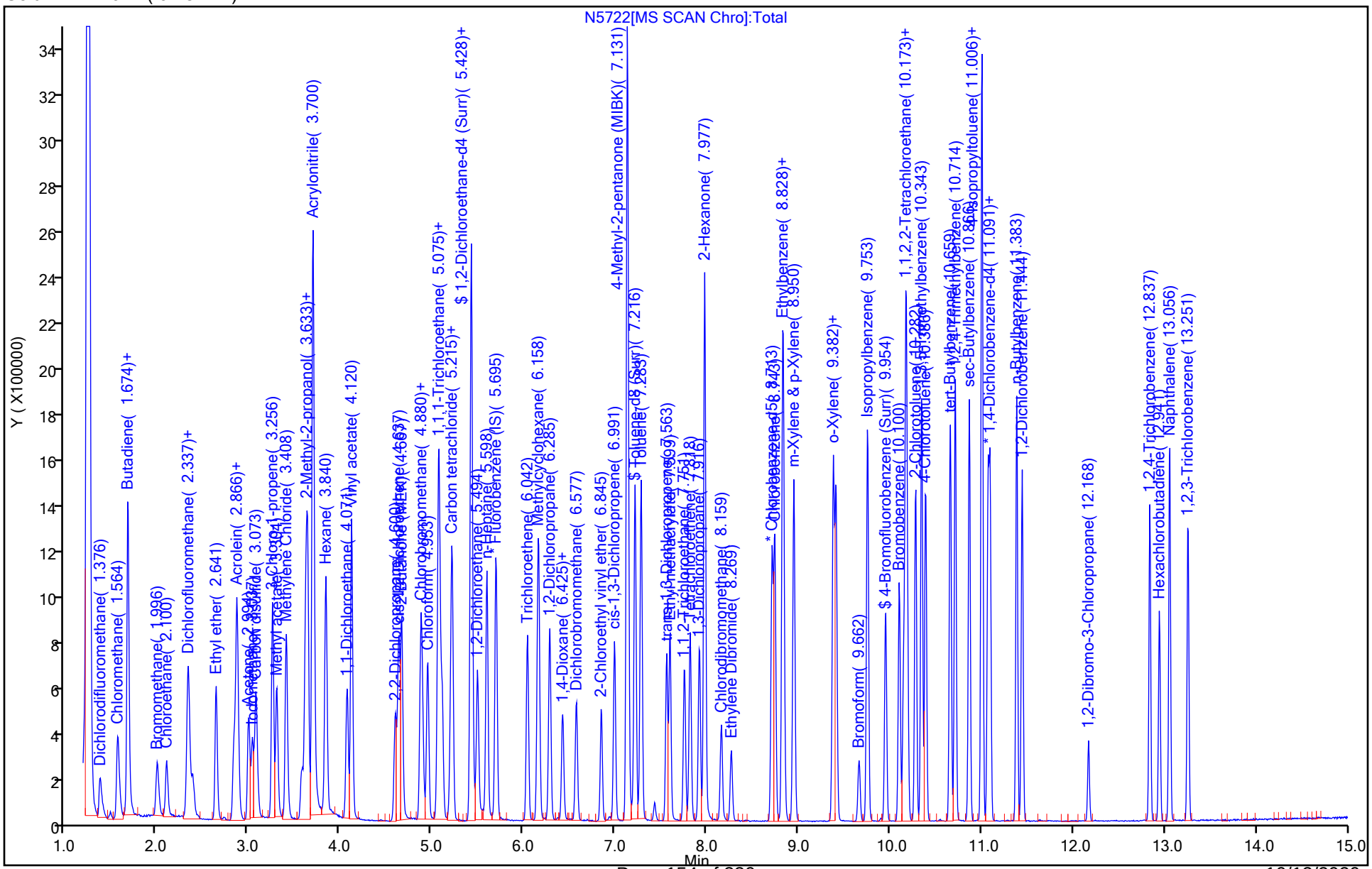
Report Date: 10-Sep-2020 13:27:25 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5722.D

Injection Date:	09-Sep-2020 17:23:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5723.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 09-Sep-2020 17:47:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0093301-014
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2020 13:27:28 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1030

First Level Reviewer: moffata Date: 10-Sep-2020 10:52:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.701	5.701	0.000	98	183798	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	89	666430	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	94	372401	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.105	5.111	-0.006	92	247034	25.0	24.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.422	5.421	0.001	52	319947	25.0	23.9	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	898966	25.0	24.7	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	90	279975	25.0	25.6	
11 Dichlorodifluoromethane	85	1.376	1.376	0.000	98	542229	50.0	55.5	
13 Chloromethane	50	1.565	1.564	0.001	99	1076323	50.0	51.5	
14 Vinyl chloride	62	1.674	1.674	0.000	49	729608	50.0	53.5	
144 Butadiene	54	1.674	1.674	0.000	96	1007006	50.0	50.4	
15 Bromomethane	94	1.996	1.996	0.000	91	397188	50.0	50.2	
16 Chloroethane	64	2.100	2.100	0.000	96	430116	50.0	51.3	
17 Dichlorofluoromethane	67	2.331	2.337	-0.006	95	875031	50.0	51.3	
18 Trichlorofluoromethane	101	2.343	2.343	0.000	63	753077	50.0	54.9	
19 Ethyl ether	59	2.641	2.641	0.000	94	698017	50.0	50.5	
20 Acrolein	56	2.830	2.836	-0.006	100	545306	250.0	251.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.866	2.866	0.000	92	444083	50.0	55.2	
22 1,1-Dichloroethene	96	2.873	2.872	0.000	90	463482	50.0	54.7	
23 Acetone	43	2.994	2.994	0.000	97	1579347	250.0	242.1	
24 Iodomethane	142	3.037	3.037	0.000	98	872388	50.0	52.7	
25 Carbon disulfide	76	3.079	3.073	0.006	98	1568703	50.0	53.3	
27 3-Chloro-1-propene	41	3.256	3.256	0.000	87	1460316	50.0	50.7	
28 Methyl acetate	43	3.304	3.304	0.000	99	1835722	100.0	99.3	
30 Methylene Chloride	84	3.408	3.408	0.000	89	549353	50.0	48.9	
31 2-Methyl-2-propanol	59	3.578	3.578	0.000	97	734942	500.0	488.0	
32 Methyl tert-butyl ether	73	3.621	3.621	0.000	96	1652516	50.0	52.7	
33 trans-1,2-Dichloroethene	96	3.639	3.645	-0.006	90	544070	50.0	53.6	
34 Acrylonitrile	53	3.700	3.700	0.000	100	4555113	500.0	512.3	
35 Hexane	57	3.840	3.840	0.000	96	1054910	50.0	53.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	4.071	4.071	0.000	96	1203530	50.0	52.8	
39 Vinyl acetate	43	4.120	4.120	0.000	96	4354254	100.0	107.3	
42 2,2-Dichloropropane	77	4.600	4.600	0.000	85	475924	50.0	53.1	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	85	598392	50.0	52.9	
44 2-Butanone (MEK)	43	4.667	4.667	0.000	96	2623271	250.0	243.1	
47 Chlorobromomethane	128	4.874	4.874	0.000	86	316555	50.0	54.9	
49 Tetrahydrofuran	42	4.892	4.892	0.000	92	727370	100.0	93.7	
50 Chloroform	83	4.953	4.953	0.000	96	949923	50.0	50.1	
51 1,1,1-Trichloroethane	97	5.069	5.069	0.000	95	783367	50.0	52.6	
52 Cyclohexane	56	5.075	5.075	0.000	93	1411395	50.0	55.8	
53 Carbon tetrachloride	117	5.209	5.209	0.001	95	693783	50.0	55.1	
54 1,1-Dichloropropene	75	5.221	5.221	0.000	84	695039	50.0	52.5	
55 Benzene	78	5.428	5.428	0.000	92	2071316	50.0	51.4	
56 Isobutyl alcohol	43	5.434	5.434	0.000	93	1109185	1250.0	1263.2	
57 1,2-Dichloroethane	62	5.495	5.494	0.001	94	961455	50.0	48.2	
59 n-Heptane	43	5.598	5.598	0.000	96	1269296	50.0	51.8	
60 Trichloroethene	95	6.042	6.042	0.000	93	530095	50.0	50.0	
62 Methylcyclohexane	83	6.164	6.158	0.006	95	897298	50.0	55.6	
63 1,2-Dichloropropane	63	6.285	6.285	0.000	87	628348	50.0	50.1	
66 1,4-Dioxane	88	6.425	6.425	0.000	39	83594	1000.0	1065.6	M
64 Dibromomethane	93	6.425	6.425	0.000	95	323562	50.0	51.2	
67 Dichlorobromomethane	83	6.577	6.577	0.000	95	659783	50.0	50.7	
69 2-Chloroethyl vinyl ether	63	6.845	6.845	0.000	86	419395	50.0	50.0	
71 cis-1,3-Dichloropropene	75	6.991	6.991	0.000	85	785837	50.0	51.2	
72 4-Methyl-2-pentanone (MIBK)	58	7.131	7.131	0.000	97	1873887	250.0	258.6	
73 Toluene	92	7.283	7.283	0.000	97	1255423	50.0	51.1	
75 trans-1,3-Dichloropropene	75	7.563	7.563	0.000	95	733121	50.0	52.8	
77 Ethyl methacrylate	69	7.599	7.599	0.000	91	670167	50.0	52.4	
78 1,1,2-Trichloroethane	83	7.758	7.751	0.007	95	375115	50.0	50.1	
79 Tetrachloroethene	166	7.818	7.818	0.000	94	546208	50.0	50.3	
80 1,3-Dichloropropane	76	7.916	7.916	0.000	89	747455	50.0	48.8	
82 2-Hexanone	43	7.977	7.977	0.000	97	3925760	250.0	251.5	
83 Chlorodibromomethane	129	8.159	8.159	0.000	90	510918	50.0	53.6	
84 Ethylene Dibromide	107	8.269	8.269	0.000	98	490686	50.0	49.6	
85 Chlorobenzene	112	8.743	8.743	0.000	93	1451117	50.0	51.5	
88 Ethylbenzene	91	8.828	8.828	0.000	98	2382086	50.0	53.4	
89 1,1,1,2-Tetrachloroethane	131	8.840	8.840	0.000	93	560630	50.0	56.0	
90 m-Xylene & p-Xylene	106	8.950	8.950	0.000	98	953527	50.0	54.2	
91 o-Xylene	106	9.382	9.382	0.000	97	957756	50.0	54.1	
92 Styrene	104	9.412	9.412	0.000	94	1541817	50.0	54.0	
93 Bromoform	173	9.662	9.662	0.000	96	319410	50.0	54.7	
95 Isopropylbenzene	105	9.753	9.753	0.000	96	2497455	50.0	55.3	
97 Bromobenzene	156	10.106	10.106	0.000	89	615000	50.0	50.6	
98 1,1,2,2-Tetrachloroethane	83	10.148	10.148	0.000	93	678574	50.0	49.2	
100 N-Propylbenzene	91	10.173	10.173	0.000	99	2850089	50.0	54.8	
99 1,2,3-Trichloropropane	110	10.185	10.185	0.000	94	216690	50.0	49.9	
101 trans-1,4-Dichloro-2-butene	53	10.191	10.191	0.000	75	275634	50.0	48.9	
102 2-Chlorotoluene	126	10.282	10.282	0.000	96	615884	50.0	53.6	
104 1,3,5-Trimethylbenzene	105	10.343	10.343	0.000	96	2124637	50.0	55.3	
105 4-Chlorotoluene	91	10.392	10.386	0.006	98	1710809	50.0	51.6	
106 tert-Butylbenzene	134	10.659	10.659	0.000	94	477641	50.0	54.7	
108 1,2,4-Trimethylbenzene	105	10.714	10.714	0.000	97	2145403	50.0	54.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.866	10.866	0.000	95	2675732	50.0	56.4	
111 4-Isopropyltoluene	119	11.000	11.000	0.000	98	2504321	50.0	57.2	
110 1,3-Dichlorobenzene	146	11.006	11.006	0.000	99	1251001	50.0	52.3	
113 1,4-Dichlorobenzene	146	11.091	11.091	0.000	94	1252764	50.0	51.6	
115 n-Butylbenzene	91	11.383	11.383	0.000	98	1992525	50.0	56.6	
116 1,2-Dichlorobenzene	146	11.444	11.444	0.000	98	1269556	50.0	52.8	
117 1,2-Dibromo-3-Chloropropane	75	12.168	12.168	0.000	79	132502	50.0	55.5	
119 1,2,4-Trichlorobenzene	180	12.837	12.837	0.000	94	841427	50.0	55.3	
120 Hexachlorobutadiene	225	12.941	12.947	-0.006	97	367353	50.0	55.3	
121 Naphthalene	128	13.056	13.056	0.000	97	2545492	50.0	59.2	
122 1,2,3-Trichlorobenzene	180	13.257	13.257	0.000	95	799135	50.0	56.4	
S 126 Xylenes, Total	1				0			108.3	
S 125 Total BTEX	1				0			264.1	
S 124 1,2-Dichloroethene, Total	1				0			106.5	
S 123 1,3-Dichloropropene, Total	1				0			104.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00190	Amount Added:	25.00	Units: uL	
GAS CORP mix_00417	Amount Added:	25.00	Units: uL	
N_8260_Surr_00399	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00193	Amount Added:	1.00	Units: uL	Run Reagent

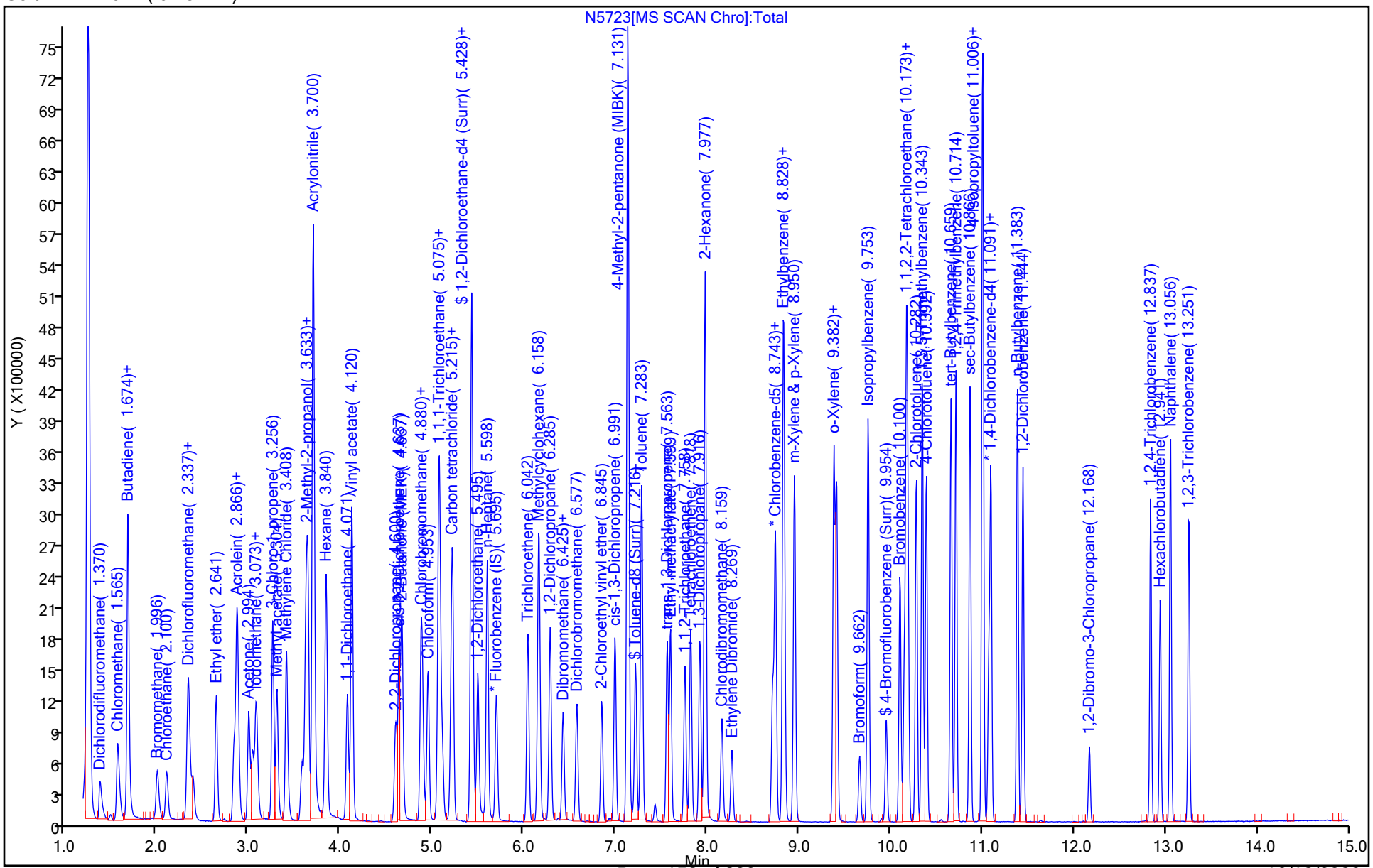
Report Date: 10-Sep-2020 13:27:30 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5723.D

Injection Date:	09-Sep-2020 17:47:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

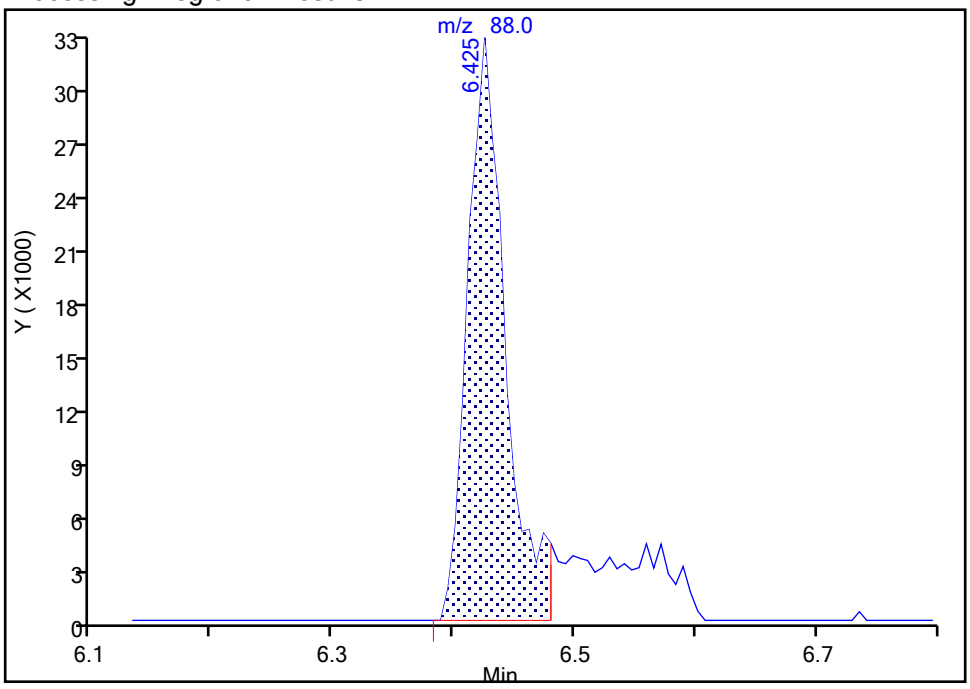
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5723.D
Injection Date: 09-Sep-2020 17:47:30 Instrument ID: HP5973N
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

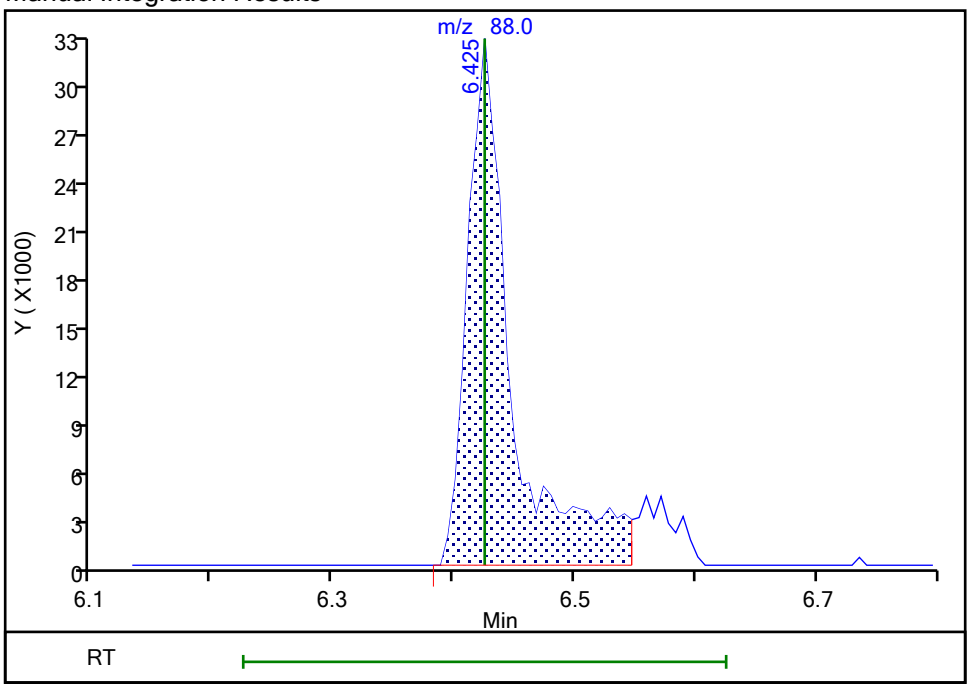
Processing Integration Results

RT: 6.43
Area: 70891
Amount: 957.1554
Amount Units: ug/L



Manual Integration Results

RT: 6.43
Area: 83594
Amount: 1065.5833
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:17:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5724.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 09-Sep-2020 18:11:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0093301-015
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2020 13:27:33 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1030

First Level Reviewer: moffata Date: 10-Sep-2020 11:19:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.701	5.701	0.000	98	201823	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	89	764110	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	94	411662	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.000	93	269067	25.0	24.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.422	5.421	0.001	94	345383	25.0	23.5	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	97	994693	25.0	23.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	90	308647	25.0	24.6	
11 Dichlorodifluoromethane	85	1.376	1.376	0.000	98	1045511	100.0	97.4	
13 Chloromethane	50	1.571	1.564	0.007	99	2213297	100.0	96.5	
14 Vinyl chloride	62	1.680	1.674	0.006	50	1421144	100.0	94.8	
144 Butadiene	54	1.680	1.674	0.006	95	2003239	100.0	91.4	
15 Bromomethane	94	2.003	1.996	0.007	91	815148	100.0	93.9	
16 Chloroethane	64	2.100	2.100	0.000	95	870359	100.0	94.5	
17 Dichlorofluoromethane	67	2.337	2.337	0.000	97	1808677	100.0	96.5	
18 Trichlorofluoromethane	101	2.343	2.343	0.000	98	1502986	100.0	99.9	
19 Ethyl ether	59	2.641	2.641	0.000	94	1453282	100.0	95.7	
20 Acrolein	56	2.836	2.836	0.000	100	1192561	500.0	500.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.866	2.866	0.000	92	844265	100.0	95.6	
22 1,1-Dichloroethene	96	2.873	2.872	0.001	90	895752	100.0	96.2	
23 Acetone	43	2.994	2.994	0.000	97	3578404	500.0	499.5	
24 Iodomethane	142	3.043	3.037	0.006	98	1780783	100.0	98.0	
25 Carbon disulfide	76	3.079	3.073	0.006	98	3073652	100.0	95.1	
27 3-Chloro-1-propene	41	3.256	3.256	0.000	87	3173239	100.0	100.3	
28 Methyl acetate	43	3.304	3.304	0.000	99	3760812	200.0	185.4	
30 Methylene Chloride	84	3.408	3.408	0.000	89	1100804	100.0	89.2	
31 2-Methyl-2-propanol	59	3.578	3.578	0.000	96	1774208	1000.0	1072.9	
32 Methyl tert-butyl ether	73	3.621	3.621	0.000	96	3499470	100.0	101.7	
33 trans-1,2-Dichloroethene	96	3.645	3.645	0.000	89	1079487	100.0	96.9	
34 Acrylonitrile	53	3.700	3.700	0.000	99	9992304	1000.0	1023.4	
35 Hexane	57	3.840	3.840	0.000	96	2104739	100.0	96.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	4.071	4.071	0.000	96	2457106	100.0	98.2	
39 Vinyl acetate	43	4.120	4.120	0.000	96	10163841	200.0	228.0	
42 2,2-Dichloropropane	77	4.600	4.600	0.000	85	899768	100.0	91.5	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	85	1216047	100.0	97.9	
44 2-Butanone (MEK)	43	4.667	4.667	0.000	96	5917814	500.0	499.3	
47 Chlorobromomethane	128	4.874	4.874	0.000	86	653628	100.0	103.1	
49 Tetrahydrofuran	42	4.892	4.892	0.000	92	1602304	200.0	188.0	
50 Chloroform	83	4.953	4.953	0.000	96	1955470	100.0	94.0	
51 1,1,1-Trichloroethane	97	5.069	5.069	0.000	96	1580913	100.0	96.8	
52 Cyclohexane	56	5.075	5.075	0.000	93	2806746	100.0	101.0	
53 Carbon tetrachloride	117	5.209	5.209	0.001	95	1404009	100.0	101.6	
54 1,1-Dichloropropene	75	5.221	5.221	0.000	88	1417148	100.0	97.5	
55 Benzene	78	5.428	5.428	0.000	95	4433359	100.0	100.2	
56 Isobutyl alcohol	43	5.434	5.434	0.000	96	2625869	2500.0	2723.3	
57 1,2-Dichloroethane	62	5.495	5.494	0.001	95	2070522	100.0	94.5	
59 n-Heptane	43	5.598	5.598	0.000	96	2617209	100.0	97.3	
60 Trichloroethene	95	6.042	6.042	0.000	94	1111635	100.0	95.4	
62 Methylcyclohexane	83	6.164	6.158	0.006	94	1808569	100.0	102.0	
63 1,2-Dichloropropane	63	6.285	6.285	0.000	89	1369383	100.0	99.5	
66 1,4-Dioxane	88	6.425	6.425	0.000	40	192236	2000.0	2137.2	M
64 Dibromomethane	93	6.425	6.425	0.000	93	694153	100.0	100.0	
67 Dichlorobromomethane	83	6.577	6.577	0.000	96	1476182	100.0	103.4	
69 2-Chloroethyl vinyl ether	63	6.851	6.845	0.006	86	987371	100.0	107.1	
71 cis-1,3-Dichloropropene	75	6.991	6.991	0.000	85	1807195	100.0	107.2	
72 4-Methyl-2-pentanone (MIBK)	58	7.131	7.131	0.000	98	4096660	500.0	493.1	
73 Toluene	92	7.283	7.283	0.000	97	2743986	100.0	97.3	
75 trans-1,3-Dichloropropene	75	7.563	7.563	0.000	97	1718683	100.0	108.0	
77 Ethyl methacrylate	69	7.599	7.599	0.000	90	1525587	100.0	104.1	
78 1,1,2-Trichloroethane	83	7.758	7.751	0.007	94	839850	100.0	97.9	
79 Tetrachloroethene	166	7.818	7.818	0.000	96	1178557	100.0	94.7	
80 1,3-Dichloropropane	76	7.922	7.916	0.006	89	1687673	100.0	96.2	
82 2-Hexanone	43	7.977	7.977	0.000	97	8607122	500.0	481.0	
83 Chlorodibromomethane	129	8.159	8.159	0.000	90	1179919	100.0	108.0	
84 Ethylene Dibromide	107	8.269	8.269	0.000	98	1119264	100.0	98.7	
85 Chlorobenzene	112	8.743	8.743	0.000	93	3217492	100.0	99.6	
88 Ethylbenzene	91	8.828	8.828	0.000	98	5217806	100.0	102.0	
89 1,1,1,2-Tetrachloroethane	131	8.841	8.840	0.001	93	1188330	100.0	103.6	
90 m-Xylene & p-Xylene	106	8.950	8.950	0.000	98	2087691	100.0	103.5	
91 o-Xylene	106	9.382	9.382	0.000	97	2088866	100.0	102.9	
92 Styrene	104	9.412	9.412	0.000	94	3453522	100.0	105.4	
93 Bromoform	173	9.662	9.662	0.000	97	749935	100.0	112.0	
95 Isopropylbenzene	105	9.753	9.753	0.000	96	5362933	100.0	107.5	
97 Bromobenzene	156	10.100	10.106	-0.006	89	1384101	100.0	103.1	
98 1,1,2,2-Tetrachloroethane	83	10.149	10.148	0.000	93	1461256	100.0	95.9	
100 N-Propylbenzene	91	10.173	10.173	0.000	99	6218687	100.0	108.1	
99 1,2,3-Trichloropropane	110	10.185	10.185	0.000	91	465383	100.0	97.0	
101 trans-1,4-Dichloro-2-butene	53	10.197	10.191	0.006	77	650579	100.0	103.7	
102 2-Chlorotoluene	126	10.282	10.282	0.000	96	1314410	100.0	103.5	
104 1,3,5-Trimethylbenzene	105	10.349	10.343	0.006	96	4604260	100.0	108.5	
105 4-Chlorotoluene	91	10.392	10.386	0.006	97	3824451	100.0	104.4	
106 tert-Butylbenzene	134	10.660	10.659	0.001	94	1024888	100.0	106.2	
108 1,2,4-Trimethylbenzene	105	10.714	10.714	0.000	98	4679192	100.0	108.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.866	10.866	0.000	94	5683448	100.0	108.4	
111 4-Isopropyltoluene	119	11.000	11.000	0.000	98	5442277	100.0	112.5	
110 1,3-Dichlorobenzene	146	11.006	11.006	0.000	99	2736638	100.0	103.6	
113 1,4-Dichlorobenzene	146	11.098	11.091	0.007	95	2733563	100.0	101.9	
115 n-Butylbenzene	91	11.383	11.383	0.000	98	4243078	100.0	109.0	
116 1,2-Dichlorobenzene	146	11.444	11.444	0.000	98	2780855	100.0	104.6	
117 1,2-Dibromo-3-Chloropropane	75	12.168	12.168	0.000	81	280705	100.0	106.5	
119 1,2,4-Trichlorobenzene	180	12.837	12.837	0.000	95	1761834	100.0	104.7	
120 Hexachlorobutadiene	225	12.947	12.947	0.000	96	745329	100.0	101.5	
121 Naphthalene	128	13.056	13.056	0.000	97	5632822	100.0	118.5	
122 1,2,3-Trichlorobenzene	180	13.257	13.257	0.000	96	1728948	100.0	110.4	
S 126 Xylenes, Total	1				0			206.3	
S 125 Total BTEX	1				0			505.9	
S 124 1,2-Dichloroethene, Total	1				0			194.8	
S 123 1,3-Dichloropropene, Total	1				0			215.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00190	Amount Added:	50.00	Units: uL	
GAS CORP mix_00417	Amount Added:	50.00	Units: uL	
N_8260_Surr_00399	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00193	Amount Added:	1.00	Units: uL	Run Reagent

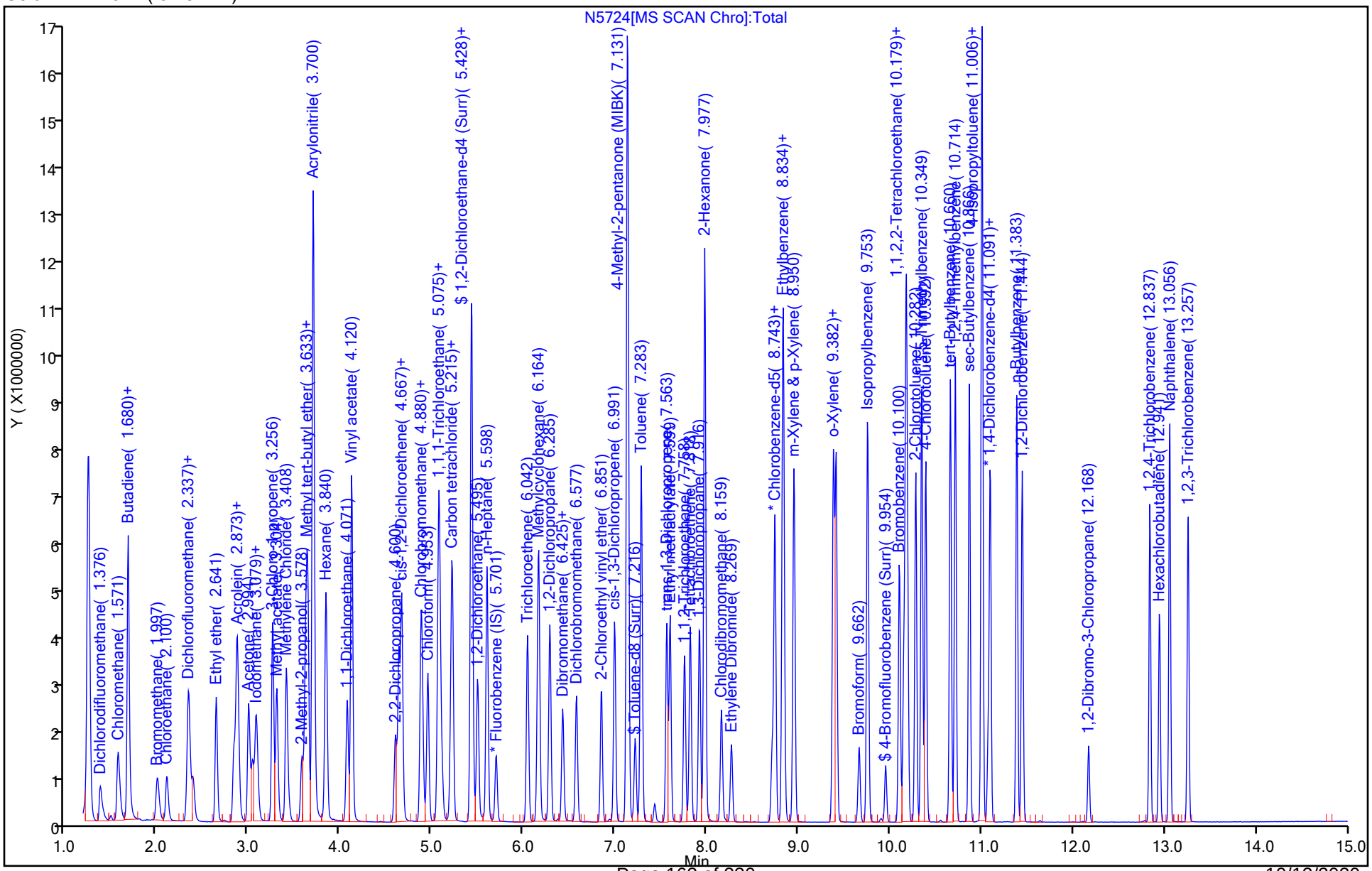
Report Date: 10-Sep-2020 13:27:35 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5724.D

Injection Date:	09-Sep-2020 18:11:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

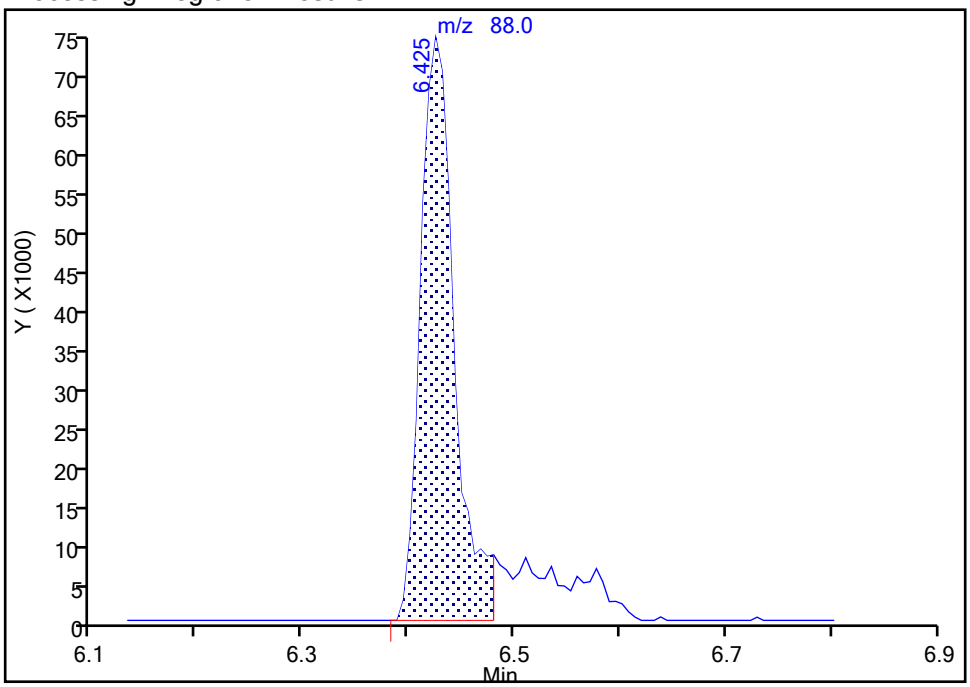
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5724.D
Injection Date: 09-Sep-2020 18:11:30 Instrument ID: HP5973N
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

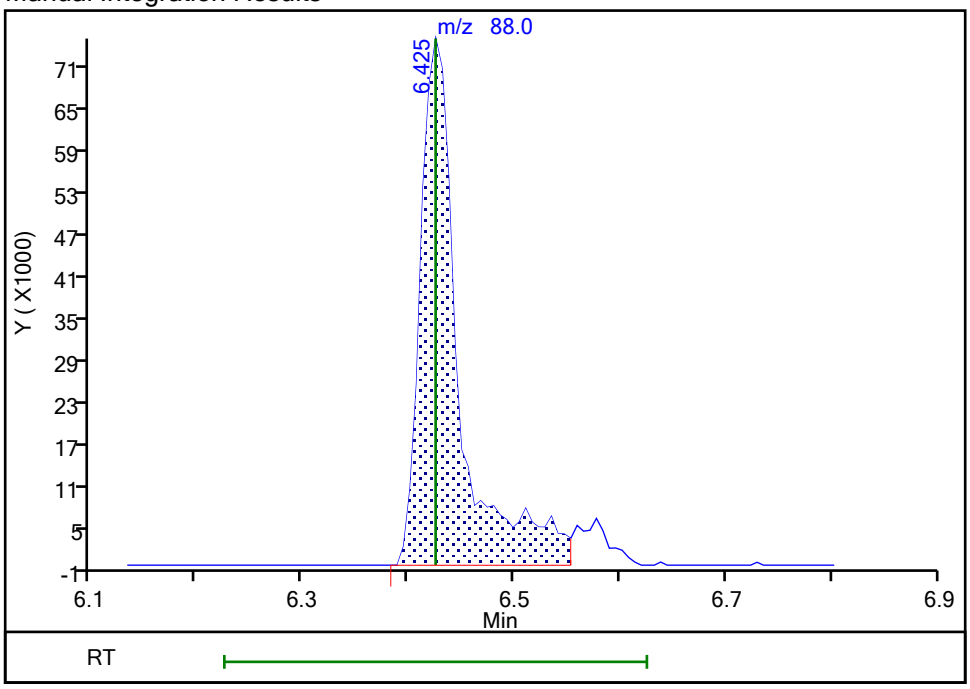
Processing Integration Results

RT: 6.43
Area: 166747
Amount: 1872.0977
Amount Units: ug/L



Manual Integration Results

RT: 6.43
Area: 192236
Amount: 2137.2026
Amount Units: ug/L



Reviewer: moffata, 10-Sep-2020 11:18:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 545200

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2020 13:35 Calibration End Date: 08/14/2020 16:18 Calibration ID: 40101

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-545200/7	S0622.D
Level 2	IC 480-545200/8	S0623.D
Level 3	IC 480-545200/9	S0624.D
Level 4	IC 480-545200/10	S0625.D
Level 5	IC 480-545200/11	S0626.D
Level 6	ICIS 480-545200/12	S0627.D
Level 7	IC 480-545200/13	S0628.D
Level 8	IC 480-545200/14	S0629.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.8216 1.7161	1.3642 1.8274	1.7850 1.6752	1.7907	1.8691	Ave		1.7311			0.1000	9.3		20.0			
Chloromethane	1.9419 1.9637	1.9407 1.8907	2.0515 1.8003	2.0427	1.9702	Ave		1.9502			0.1000	4.1		20.0			
Butadiene	1.8695 1.7877	1.8005 1.8404	2.1408 1.6896	1.8275	1.9116	Ave		1.8584				7.1		20.0			
Vinyl chloride	1.7489 1.8013	1.4162 1.7499	1.8418 1.6681	1.7949	1.8565	Ave		1.7347			0.1000	8.2		20.0			
Bromomethane	+++++ 1.1188	1.2106 1.0797	1.2606 1.0133	1.1628	1.2617	Ave		1.1582			0.1000	8.1		20.0			
Chloroethane	+++++ 1.1321	1.1544 1.0685	1.2981 1.0263	1.1869	1.1727	Ave		1.1484			0.1000	7.6		20.0			
Dichlorofluoromethane	2.6629 2.4601	2.1665 2.4204	2.5278 2.3054	2.5227	2.6052	Ave		2.4589				6.6		20.0			
Trichlorofluoromethane	2.2952 2.2589	2.0123 2.2385	2.4402 2.0506	2.2656	2.3420	Ave		2.2379			0.1000	6.4		20.0			
Ethyl ether	1.4997 1.4256	1.2165 1.4269	1.4741 1.3628	1.4446	1.5428	Ave		1.4241				7.0		20.0			
Acrolein	0.3054 0.2616	0.2703 0.2574	0.2736 0.2553	0.2478	0.2887	Ave		0.2700				7.1		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.1905	1.0296 1.2707	1.2853 1.0615	1.2921	1.1335	Ave		1.1804			0.1000	9.2		20.0			
1,1-Dichloroethene	+++++ 1.1495	1.0525 1.2259	1.3471 1.0529	1.2042	1.1981	Ave		1.1757			0.1000	8.8		20.0			
Acetone	0.8425 0.6694	0.7515 0.6730	0.7064 0.6521	0.7370	0.7394	Ave		0.7214			0.1000	8.5		20.0			
Iodomethane	2.5407 2.0400	2.0846 2.1006	2.2015 1.9396	2.1520	2.1565	Ave		2.1520				8.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 545200

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2020 13:35 Calibration End Date: 08/14/2020 16:18 Calibration ID: 40101

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.5116 3.9954	3.7072 4.2579	4.4743 3.7195	4.1168	3.9665	Ave		4.0937			0.1000	7.5		20.0			
Allyl chloride	2.7691 2.3361	2.4489 2.4284	2.5670 2.1970	2.4319	2.4073	Ave		2.4482				6.8		20.0			
Methyl acetate	1.6815 1.5178	1.7466 1.5179	1.5516 1.4845	1.6195	1.6542	Ave		1.5967			0.1000	5.8		20.0			
Methylene Chloride	3.7651 1.4665	2.0309 1.4405	1.9392 1.3502	1.6415	1.5046	Lin1	1.0678	1.3757			0.1000				0.9980		0.9900
2-Methyl-2-propanol	0.2487 0.2207	0.2517 0.2395	0.2298 0.2368	0.2321	0.2402	Ave		0.2374				4.2		20.0			
Methyl tert-butyl ether	4.7674 4.5320	4.7654 4.6294	4.7552 4.4308	4.6003	5.0189	Ave		4.6874			0.1000	3.8		20.0			
trans-1,2-Dichloroethene	+++++ 1.3504	1.4391 1.4300	1.4950 1.2953	1.4563	1.3406	Ave		1.4010			0.1000	5.2		20.0			
Acrylonitrile	0.8323 0.7741	0.7970 0.7869	0.8130 0.7722	0.8150	0.8535	Ave		0.8055				3.5		20.0			
Hexane	+++++ 2.1375	2.1034 2.4015	2.7614 1.9541	2.2814	1.9135	Ave		2.2218				13.2		20.0			
1,1-Dichloroethane	2.9637 2.4719	2.4626 2.5971	2.7811 2.3848	2.5962	2.5107	Ave		2.5960			0.2000	7.3		20.0			
Vinyl acetate	3.2531 3.3688	2.9990 3.7322	2.9011 3.8527	2.9213	3.2730	Ave		3.2876				10.9		20.0			
2,2-Dichloropropane	+++++ 1.5091	1.4406 1.5225	1.6136 1.2738	1.3192	1.4437	Ave		1.4461				8.2		20.0			
cis-1,2-Dichloroethene	1.6347 1.5451	1.4348 1.5963	1.7612 1.4911	1.6248	1.5677	Ave		1.5820			0.1000	6.3		20.0			
2-Butanone (MEK)	1.1474 1.0048	1.0456 1.0433	1.0339 1.0356	1.1082	1.1193	Ave		1.0673			0.1000	4.7		20.0			
Chlorobromomethane	0.8067 0.7873	0.8209 0.8305	0.8585 0.7808	0.8108	0.8450	Ave		0.8176				3.3		20.0			
Tetrahydrofuran	+++++ 0.6845	0.9256 0.7041	0.7998 0.6781	0.7267	0.7934	Ave		0.7589				11.6		20.0			
Chloroform	+++++ 2.4599	2.8384 2.5729	2.7999 2.3958	2.5763	2.5858	Ave		2.6041			0.2000	6.3		20.0			
1,1,1-Trichloroethane	2.2664 1.9992	1.8701 2.1537	2.2558 1.9161	2.0186	1.9258	Ave		2.0507			0.1000	7.6		20.0			
Cyclohexane	2.8615 2.4517	2.1276 2.7374	2.8561 2.2772	2.6368	2.2840	Ave		2.5290			0.1000	11.2		20.0			
Carbon tetrachloride	1.9049 1.6016	1.3667 1.8153	1.7130 1.6266	1.7217	1.6040	Ave		1.6692			0.1000	9.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 545200

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2020 13:35 Calibration End Date: 08/14/2020 16:18 Calibration ID: 40101

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	2.1442 1.9034	1.7110 2.0679	2.0939 1.8138	1.9978	1.8613	Ave		1.9492				7.8		20.0			
Benzene	6.4961 5.7572	5.2982 6.1744	6.4476 5.7334	6.1481	6.0642	Ave		6.0149			0.5000	6.7		20.0			
Isobutyl alcohol	0.0779 0.0808	0.0771 0.0918	0.0780 0.1003	0.0755	0.0792	Ave		0.0826				10.6		20.0			
1,2-Dichloroethane	2.4081 2.1130	2.3477 2.2085	2.4395 2.1243	2.2202	2.2941	Ave		2.2694			0.1000	5.4		20.0			
n-Heptane	+++++ 2.2350	2.4250 2.5419	2.8751 2.0668	2.4278	2.1675	Ave		2.3913				11.3		20.0			
Trichloroethene	1.7436 1.4746	1.2989 1.5437	1.5586 1.4115	1.5419	1.4363	Ave		1.5011			0.2000	8.7		20.0			
Methylcyclohexane	2.5348 2.4702	2.1383 2.7618	2.8225 2.2564	2.5995	2.2464	Ave		2.4787			0.1000	10.1		20.0			
1,2-Dichloropropane	1.4946 1.4104	1.4007 1.5211	1.5959 1.4424	1.5624	1.4415	Ave		1.4836			0.1000	4.8		20.0			
Dibromomethane	1.0010 0.9298	0.8972 0.9760	0.9334 0.9343	0.9320	0.9928	Ave		0.9496			0.1000	3.8		20.0			
1,4-Dioxane	0.0107 0.0109	0.0111 0.0120	0.0122 0.0107	0.0124	0.0114	Ave		0.0114				6.0		20.0			
Bromodichloromethane	1.8458 1.8283	1.9032 1.9434	1.7584 1.8827	1.9293	1.8991	Ave		1.8738			0.2000	3.2		20.0			
2-Chloroethyl vinyl ether	1.0660 1.0960	1.0122 1.1853	1.1556 1.1782	1.0773	1.1137	Ave		1.1105				5.4		20.0			
cis-1,3-Dichloropropene	2.5329 2.3528	2.1698 2.4881	2.2508 2.4135	2.3418	2.3927	Ave		2.3678			0.2000	5.0		20.0			
4-Methyl-2-pentanone (MIBK)	1.0155 1.0137	0.9561 1.0760	1.0145 1.0365	1.0887	1.0591	Ave		1.0325			0.1000	4.1		20.0			
Toluene	1.9585 1.8076	1.6983 1.9294	1.9251 1.7668	1.8705	1.7828	Ave		1.8424			0.4000	5.0		20.0			
trans-1,3-Dichloropropene	1.1262 1.0757	1.0411 1.1836	1.0438 1.1335	1.0748	1.0690	Ave		1.0935			0.1000	4.5		20.0			
Ethyl methacrylate	0.9239 0.9946	0.8503 1.0988	0.9298 1.1038	0.9765	0.9647	Ave		0.9803				8.8		20.0			
1,1,2-Trichloroethane	0.6540 0.5625	0.5887 0.5789	0.6205 0.5520	0.5934	0.5561	Ave		0.5882			0.1000	5.9		20.0			
Tetrachloroethene	0.7689 0.7146	0.7145 0.7906	0.8065 0.6801	0.7892	0.6926	Ave		0.7446			0.2000	6.7		20.0			
1,3-Dichloropropane	1.1444 1.1826	1.2048 1.2244	1.1976 1.1647	1.2370	1.1900	Ave		1.1932				2.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 545200

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2020 13:35 Calibration End Date: 08/14/2020 16:18 Calibration ID: 40101

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.6377 0.7094	0.6727 0.7528	0.6918 0.7307	0.7677	0.7365	Ave		0.7124			0.1000	6.1		20.0			
Dibromochloromethane	0.7048 0.6380	0.5274 0.6936	0.6639 0.6962	0.6496	0.6595	Ave		0.6541			0.1000	8.6		20.0			
1,2-Dibromoethane	0.6903 0.7110	0.7013 0.7360	0.7481 0.7106	0.7226	0.7063	Ave		0.7158				2.6		20.0			
Chlorobenzene	2.1381 1.9988	1.8040 2.1252	2.0514 1.9558	2.0994	1.9715	Ave		2.0180			0.5000	5.5		20.0			
Ethylbenzene	3.7384 3.3641	3.0725 3.6895	3.5718 3.3810	3.4870	3.3021	Ave		3.4508			0.1000	6.3		20.0			
1,1,1,2-Tetrachloroethane	0.6598 0.6371	0.6205 0.6764	0.6190 0.6524	0.6348	0.6227	Ave		0.6403				3.2		20.0			
m,p-Xylene	1.2841 1.3046	1.0641 1.4383	1.3950 1.3135	1.3765	1.3312	Ave		1.3134			0.1000	8.6		20.0			
o-Xylene	1.4484 1.3140	1.1288 1.4049	1.3414 1.2815	1.3845	1.3409	Ave		1.3305			0.3000	7.3		20.0			
Styrene	2.2482 2.2219	1.9628 2.3505	2.2209 2.2358	2.2431	2.1375	Ave		2.2026			0.3000	5.1		20.0			
Bromoform	0.4237 0.3985	0.3864 0.4548	0.4209 0.4655	0.3980	0.3960	Ave		0.4180			0.1000	7.0		20.0			
Isopropylbenzene	3.7312 3.6411	3.0439 3.9270	3.7460 3.5677	3.8118	3.4220	Ave		3.6113			0.1000	7.6		20.0			
Bromobenzene	0.7866 0.8880	0.8490 0.9354	0.8910 0.8918	0.9252	0.8705	Ave		0.8797				5.3		20.0			
1,1,2,2-Tetrachloroethane	1.0249 1.0166	0.9543 1.0445	1.0574 1.0220	1.0848	1.0291	Ave		1.0292			0.3000	3.7		20.0			
N-Propylbenzene	4.3727 4.3960	3.7839 4.6816	4.4146 4.3112	4.5387	4.1287	Ave		4.3284				6.3		20.0			
1,2,3-Trichloropropane	0.4095 0.3424	0.3461 0.3470	0.3411 0.3372	0.3630	0.3451	Ave		0.3539				6.7		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.3634	0.3580 0.3791	0.3165 0.3778	0.3416	0.3529	Ave		0.3556				6.1		20.0			
2-Chlorotoluene	0.9611 0.8710	0.7749 0.9022	0.8729 0.8249	0.8992	0.8395	Ave		0.8682				6.5		20.0			
1,3,5-Trimethylbenzene	3.2557 3.1066	2.7593 3.3425	3.0967 3.1327	3.1920	2.9742	Ave		3.1075				5.8		20.0			
4-Chlorotoluene	0.9117 0.8905	0.7711 0.9295	0.9144 0.8837	0.9638	0.8446	Ave		0.8887				6.6		20.0			
tert-Butylbenzene	0.6591 0.6772	0.5515 0.7089	0.7224 0.6456	0.7340	0.6208	Ave		0.6649				9.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 545200

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2020 13:35 Calibration End Date: 08/14/2020 16:18 Calibration ID: 40101

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	3.0907 3.1910	2.5561 3.3747	3.2192 3.1804	3.1817	3.0472	Ave		3.1051				7.8		20.0			
sec-Butylbenzene	3.8544 3.9741	3.4042 4.3276	4.0829 3.9197	4.0915	3.6681	Ave		3.9153				7.2		20.0			
1,3-Dichlorobenzene	1.8291 1.7341	1.5003 1.8222	1.9248 1.7269	1.8512	1.6673	Ave		1.7570			0.6000	7.5		20.0			
4-Isopropyltoluene	3.2293 3.4540	2.9218 3.8151	3.6274 3.4559	3.4995	3.2305	Ave		3.4042				8.1		20.0			
1,4-Dichlorobenzene	1.9375 1.7888	1.6942 1.8319	1.8158 1.7589	1.8694	1.7807	Ave		1.8096			0.5000	4.1		20.0			
n-Butylbenzene	2.9975 3.1241	2.6233 3.4502	3.2073 3.0784	3.1673	2.8890	Ave		3.0671				7.9		20.0			
1,2-Dichlorobenzene	1.7475 1.7474	1.5544 1.8059	1.8044 1.7151	1.8256	1.7192	Ave		1.7399			0.4000	4.9		20.0			
1,2-Dibromo-3-Chloropropane	0.1974 0.2024	0.2037 0.2099	0.1915 0.2142	0.2061	0.2017	Ave		0.2034			0.0500	3.5		20.0			
1,2,4-Trichlorobenzene	1.3278 1.2804	1.1119 1.3499	1.2827 1.2596	1.2824	1.2196	Ave		1.2643			0.2000	5.8		20.0			
Hexachlorobutadiene	+++++ 0.5245	0.4235 0.5537	0.5990 0.4907	0.5056	0.4832	Ave		0.5115				10.9		20.0			
Naphthalene	3.6314 3.9129	3.4372 4.0465	3.7066 3.9058	3.8019	3.7791	Ave		3.7777				5.0		20.0			
1,2,3-Trichlorobenzene	1.2484 1.2448	1.1135 1.2935	1.3007 1.1940	1.2698	1.1835	Ave		1.2310				5.2		20.0			
Dibromofluoromethane (Surr)	1.2375 1.2142	1.2359 1.1891	1.2221 1.1707	1.2023	1.2483	Ave		1.2150				2.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8415 0.8166	0.8466 0.8044	0.8129 0.7956	0.8063	0.8193	Ave		0.8179				2.2		20.0			
Toluene-d8 (Surr)	2.4182 2.3616	2.3689 2.3900	2.3312 2.3458	2.3442	2.3583	Ave		2.3648				1.2		20.0			
4-Bromofluorobenzene (Surr)	0.7477 0.7371	0.7573 0.7619	0.7484 0.7368	0.7341	0.7469	Ave		0.7463				1.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 545200

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2020 13:35 Calibration End Date: 08/14/2020 16:18 Calibration ID: 40101

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-545200/7	S0622.D
Level 2	IC 480-545200/8	S0623.D
Level 3	IC 480-545200/9	S0624.D
Level 4	IC 480-545200/10	S0625.D
Level 5	IC 480-545200/11	S0626.D
Level 6	ICIS 480-545200/12	S0627.D
Level 7	IC 480-545200/13	S0628.D
Level 8	IC 480-545200/14	S0629.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	6842 314775	10160 682611	26803 1269404	69099	133601	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	7294 360196	14454 706241	30804 1364240	78824	140833	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	7022 327911	13410 687458	32145 1280322	70517	136642	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	6569 330408	10548 653643	27656 1264056	69260	132704	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 205214	9016 403318	18929 767846	44868	90188	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 207662	8598 399135	19492 777727	45801	83822	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	10002 451247	16136 904119	37956 1746983	97345	186222	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	8621 414337	14987 836161	36641 1553903	87423	167409	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5633 261503	9060 532982	22135 1032697	55745	110276	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	5736 239891	10064 480788	20544 967281	47810	103182	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	+++++ 218369	7668 474658	19299 804379	49859	81021	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	+++++ 210842	7839 457925	20228 797836	46467	85638	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	15822 613944	27984 1256902	53033 2470776	142199	264271	2.50 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	9543 374202	15526 784664	33057 1469813	83041	154147	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	16946 732874	27611 1590472	67185 2818535	158857	283526	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 545200

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2020 13:35 Calibration End Date: 08/14/2020 16:18 Calibration ID: 40101

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	10401 428510	18239 907084	38546 1664864	93840	172077	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	12632 556832	26017 1133968	46597 2249823	124982	236487	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	14142 268997	15126 538088	29118 1023113	63341	107549	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	9340 404832	18745 894454	34509 1794604	89563	171715	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	17907 831298	35492 1729252	71402 3357573	177514	358753	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 247701	10718 534137	22449 981522	56197	95829	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	31263 1419915	59363 2939169	122079 5851641	314472	610095	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	+++++ 392074	15666 897057	41464 1480794	88034	136776	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	11132 453423	18341 970096	41760 1807109	100180	179464	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	24438 1235866	44672 2788230	87123 5838935	225451	467910	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 276818	10729 568720	24229 965241	50905	103198	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	6140 283418	10686 596284	26446 1129888	62697	112057	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	21548 921524	38938 1948472	77623 3923889	213823	400026	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	3030 144412	6114 310221	12891 591667	31286	60400	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 251100	13787 525989	24019 1027649	56081	113422	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 451208	21140 961056	42042 1815505	99413	184835	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	8513 366707	13928 804498	33872 1451968	77891	137659	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	10748 449706	15846 1022511	42886 1725587	101748	163258	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	7155 293776	10179 678069	25722 1232612	66435	114655	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	8054 349146	12743 772425	31442 1374432	77089	133045	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	24400 1056027	39460 2306341	96815 4344603	237242	433467	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 545200

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2020 13:35 Calibration End Date: 08/14/2020 16:18 Calibration ID: 40101

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	7317 370731	14359 857539	29264 1900194	72857	141445	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	9045 387583	17485 824961	36631 1609706	85671	163979	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 409956	18061 949473	43171 1566169	93684	154934	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	6549 270487	9674 576628	23403 1069638	59498	102668	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	9521 453101	15926 1031619	42382 1709840	100308	160573	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	5614 258712	10432 568199	23963 1093004	60290	103038	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	3760 170555	6682 364584	14016 708003	35965	70967	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	1636 82757	3486 184721	7633 342266	19529	34577	10.0 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	6933 335366	14175 725926	26404 1426662	74447	135745	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	4004 201043	7539 442760	17352 892785	41572	79604	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	9514 431563	16160 929387	33798 1828887	90363	171027	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	38866 1923739	74990 4147570	158896 8273418	427100	802783	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	14992 686058	26640 1487393	60306 2820456	146756	270263	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	8621 408271	16331 912439	32699 1809401	84330	162053	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	7072 377503	13338 847070	29126 1762023	76613	146237	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	5006 213472	9234 446253	19437 881165	46557	84301	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	5886 271227	11207 609481	25264 1085652	61922	104993	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	8760 448835	18899 943914	37517 1859241	97049	180388	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	24407 1346158	52763 2901874	108356 5832336	301152	558222	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	5395 242139	8273 534730	20798 1111434	50965	99970	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	5284 269841	11001 567422	23436 1134316	56693	107063	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 545200

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2020 13:35 Calibration End Date: 08/14/2020 16:18 Calibration ID: 40101

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	16367 758614	28298 1638350	64261 3122196	164712	298860	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	28617 1276811	48196 2844287	111890 5397317	273586	500573	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5051 241787	9733 521438	19392 1041524	49808	94390	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	9830 495155	16691 1108822	43701 2096801	107997	201804	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	11087 498696	17707 1083037	42021 2045790	108627	203273	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	17210 843283	30789 1812011	69571 3569122	175987	324025	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	3243 151232	6061 350607	13184 743164	31230	60033	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	28182 1313915	46376 2911734	113677 5367336	281916	505607	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	5941 320459	12936 693527	27038 1341652	68427	128620	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7741 366849	14540 774477	32087 1537540	80228	152056	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	33027 1586332	57651 3471245	133968 6485930	335675	610025	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	3093 123572	5273 257260	10350 507228	26850	50986	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 131133	5454 281084	9605 568353	25266	52141	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	7259 314318	11806 668941	26489 1241009	66502	124042	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	24590 1121027	42041 2478356	93972 4713019	236078	439452	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	6886 321345	11749 689172	27749 1329493	71280	124794	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	4978 244371	8403 525613	21922 971327	54287	91720	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	23344 1151477	38945 2502167	97692 4784673	235319	450229	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	29112 1434074	51866 3208732	123900 5897038	302602	541981	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	13815 625776	22858 1351059	58409 2598033	136910	246349	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	24391 1246397	44517 2828708	110078 5199241	258818	477321	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1 Analy Batch No.: 545200

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2020 13:35 Calibration End Date: 08/14/2020 16:18 Calibration ID: 40101

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	14634 645492	25813 1358257	55102 2646212	138259	263107	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	22640 1127347	39969 2558209	97329 4631243	234249	426855	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	13199 630555	23683 1339029	54757 2580226	135019	254014	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1491 73025	3103 155603	5810 322309	15246	29807	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	10029 462054	16941 1000919	38924 1895010	94843	180194	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 189255	6453 410573	18177 738162	37397	71396	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	27428 1411981	52369 3000277	112482 5876002	281184	558378	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	9429 449202	16965 959067	39472 1796326	93916	174869	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	232416 222726	230122 222089	229383 221777	231964	223077	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	158044 149784	157631 150228	152581 150729	155575	146407	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	925558 896312	928975 921240	912859 936172	919626	893742	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	286178 279740	296965 293662	293059 294059	287969	283045	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Aug-2020 13:35:30 ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0092768-007
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:28:42 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:11:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	187805	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	87	382745	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	95	377650	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	55	232416	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	92	158044	25.0	25.7	
$ 5 Toluene-d8 (Surr)	98	6.860	6.854	0.006	93	925558	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	286178	25.0	25.0	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	30	6842	0.5000	0.5261	
12 Chloromethane	50	1.428	1.410	0.018	41	7294	0.5000	0.4979	
151 Butadiene	54	1.495	1.489	0.006	77	7022	0.5000	0.5030	
13 Vinyl chloride	62	1.513	1.501	0.012	34	6569	0.5000	0.5041	
14 Bromomethane	94	1.781	1.775	0.006	71	6324	0.5000	0.7268	
15 Chloroethane	64	1.866	1.854	0.012	20	5683	0.5000	0.6587	
16 Dichlorofluoromethane	67	2.091	2.079	0.012	62	10002	0.5000	0.5415	
17 Trichlorofluoromethane	101	2.109	2.091	0.018	47	8621	0.5000	0.5128	
18 Ethyl ether	59	2.365	2.365	0.000	65	5633	0.5000	0.5265	
20 Acrolein	56	2.547	2.547	0.000	69	5736	2.50	2.83	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.578	2.572	0.006	8	5594	0.5000	0.6308	
22 1,1-Dichloroethene	96	2.571	2.578	-0.007	72	5729	0.5000	0.6486	
23 Acetone	43	2.711	2.705	0.006	91	15822	2.50	2.92	a
25 Iodomethane	142	2.742	2.736	0.006	73	9543	0.5000	0.5903	
26 Carbon disulfide	76	2.772	2.766	0.006	96	16946	0.5000	0.5510	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	69	10401	0.5000	0.5655	
27 Methyl acetate	43	3.010	3.003	0.007	84	12632	1.00	1.05	a
30 Methylene Chloride	84	3.101	3.101	0.000	79	14142	0.5000	0.5922	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	80	9340	5.00	5.24	
32 Methyl tert-butyl ether	73	3.314	3.308	0.006	80	17907	0.5000	0.5085	
34 trans-1,2-Dichloroethene	96	3.332	3.326	0.006	44	6248	0.5000	0.5937	
33 Acrylonitrile	53	3.393	3.387	0.006	99	31263	5.00	5.17	
35 Hexane	57	3.514	3.514	0.000	85	10227	0.5000	0.6127	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	60	11132	0.5000	0.5708	
37 Vinyl acetate	43	3.806	3.800	0.006	94	24438	1.00	0.9895	
44 2,2-Dichloropropane	77	4.269	4.263	0.006	39	6700	0.5000	0.6168	
45 cis-1,2-Dichloroethene	96	4.293	4.299	-0.006	13	6140	0.5000	0.5167	a
43 2-Butanone (MEK)	43	4.354	4.336	0.018	91	21548	2.50	2.69	
48 Chlorobromomethane	128	4.536	4.537	-0.001	76	3030	0.5000	0.4934	
49 Tetrahydrofuran	42	4.561	4.555	0.006	77	7974	1.00	1.40	
50 Chloroform	83	4.609	4.616	-0.007	74	11921	0.5000	0.6094	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	51	8513	0.5000	0.5526	
52 Cyclohexane	56	4.725	4.725	0.000	63	10748	0.5000	0.5657	
55 Carbon tetrachloride	117	4.853	4.859	-0.006	61	7155	0.5000	0.5706	
54 1,1-Dichloropropene	75	4.877	4.871	0.006	56	8054	0.5000	0.5500	
57 Benzene	78	5.078	5.078	0.000	39	24400	0.5000	0.5400	
53 Isobutyl alcohol	43	5.121	5.108	0.012	33	7317	12.5	11.8	
58 1,2-Dichloroethane	62	5.157	5.151	0.006	50	9045	0.5000	0.5306	
59 n-Heptane	43	5.254	5.254	0.000	74	10678	0.5000	0.5944	
62 Trichloroethene	95	5.692	5.686	0.006	56	6549	0.5000	0.5807	
64 Methylcyclohexane	83	5.802	5.802	0.000	67	9521	0.5000	0.5113	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	59	5614	0.5000	0.5037	
67 Dibromomethane	93	6.070	6.070	0.000	65	3760	0.5000	0.5271	
66 1,4-Dioxane	88	6.100	6.076	0.024	0	1636	10.0	9.35	M
68 Dichlorobromomethane	83	6.222	6.222	0.000	54	6933	0.5000	0.4925	
69 2-Chloroethyl vinyl ether	63	6.501	6.508	-0.007	29	4004	0.5000	0.4799	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	51	9514	0.5000	0.5349	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	93	38866	2.50	2.46	
74 Toluene	92	6.927	6.921	0.006	84	14992	0.5000	0.5315	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	68	8621	0.5000	0.5150	a
75 Ethyl methacrylate	69	7.256	7.256	0.000	31	7072	0.5000	0.4712	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	36	5006	0.5000	0.5559	
81 Tetrachloroethene	166	7.451	7.451	-0.001	69	5886	0.5000	0.5163	
82 1,3-Dichloropropane	76	7.566	7.560	0.006	60	8760	0.5000	0.4795	
80 2-Hexanone	43	7.633	7.627	0.006	87	24407	2.50	2.24	
83 Chlorodibromomethane	129	7.791	7.797	-0.006	25	5395	0.5000	0.5387	
84 Ethylene Dibromide	107	7.895	7.895	0.000	61	5284	0.5000	0.4822	
87 Chlorobenzene	112	8.369	8.369	0.000	21	16367	0.5000	0.5298	
88 Ethylbenzene	91	8.460	8.460	0.000	86	28617	0.5000	0.5417	
89 1,1,1,2-Tetrachloroethane	131	8.473	8.467	0.007	21	5051	0.5000	0.5152	
90 m-Xylene & p-Xylene	106	8.588	8.582	0.006	80	9830	0.5000	0.4889	
91 o-Xylene	106	9.008	9.008	0.000	76	11087	0.5000	0.5443	
92 Styrene	104	9.044	9.038	0.006	74	17210	0.5000	0.5104	
95 Bromoform	173	9.300	9.288	0.012	11	3243	0.5000	0.5068	
94 Isopropylbenzene	105	9.397	9.391	0.006	77	28182	0.5000	0.5166	
101 Bromobenzene	156	9.738	9.744	-0.006	72	5941	0.5000	0.4471	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	24	7741	0.5000	0.4979	
99 N-Propylbenzene	91	9.823	9.823	0.000	91	33027	0.5000	0.5051	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	16	3093	0.5000	0.5785	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	15	2152	0.5000	0.4006	
103 2-Chlorotoluene	126	9.927	9.927	0.000	86	7259	0.5000	0.5535	
102 1,3,5-Trimethylbenzene	105	10.000	10.006	-0.006	70	24590	0.5000	0.5238	
105 4-Chlorotoluene	126	10.042	10.036	0.006	54	6886	0.5000	0.5130	
106 tert-Butylbenzene	134	10.316	10.322	-0.006	72	4978	0.5000	0.4956	
107 1,2,4-Trimethylbenzene	105	10.371	10.377	-0.006	74	23344	0.5000	0.4977	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	78	29112	0.5000	0.4922	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	53	13815	0.5000	0.5205	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	84	24391	0.5000	0.4743	
113 1,4-Dichlorobenzene	146	10.760	10.754	0.006	13	14634	0.5000	0.5353	
115 n-Butylbenzene	91	11.058	11.058	0.000	82	22640	0.5000	0.4886	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	67	13199	0.5000	0.5022	
117 1,2-Dibromo-3-Chloropropane	75	11.837	11.843	-0.006	1	1491	0.5000	0.4854	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	61	10029	0.5000	0.5251	
120 Hexachlorobutadiene	225	12.615	12.622	-0.007	44	4667	0.5000	0.6041	
121 Naphthalene	128	12.725	12.725	0.000	85	27428	0.5000	0.4806	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	63	9429	0.5000	0.5070	
S 126 1,3-Dichloropropene, Total	1				0			1.05	
S 124 Xylenes, Total	1				0			1.03	
S 125 1,2-Dichloroethene, Total	1				0			1.11	
S 123 Total BTEX	1				0			2.65	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00413	Amount Added:	0.50	Units: uL	
8260 CORP mix_00191	Amount Added:	0.50	Units: uL	
S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 16-Aug-2020 16:28:43 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D

Injection Date: 14-Aug-2020 13:35:30 Instrument ID: HP5973S Operator ID: LH

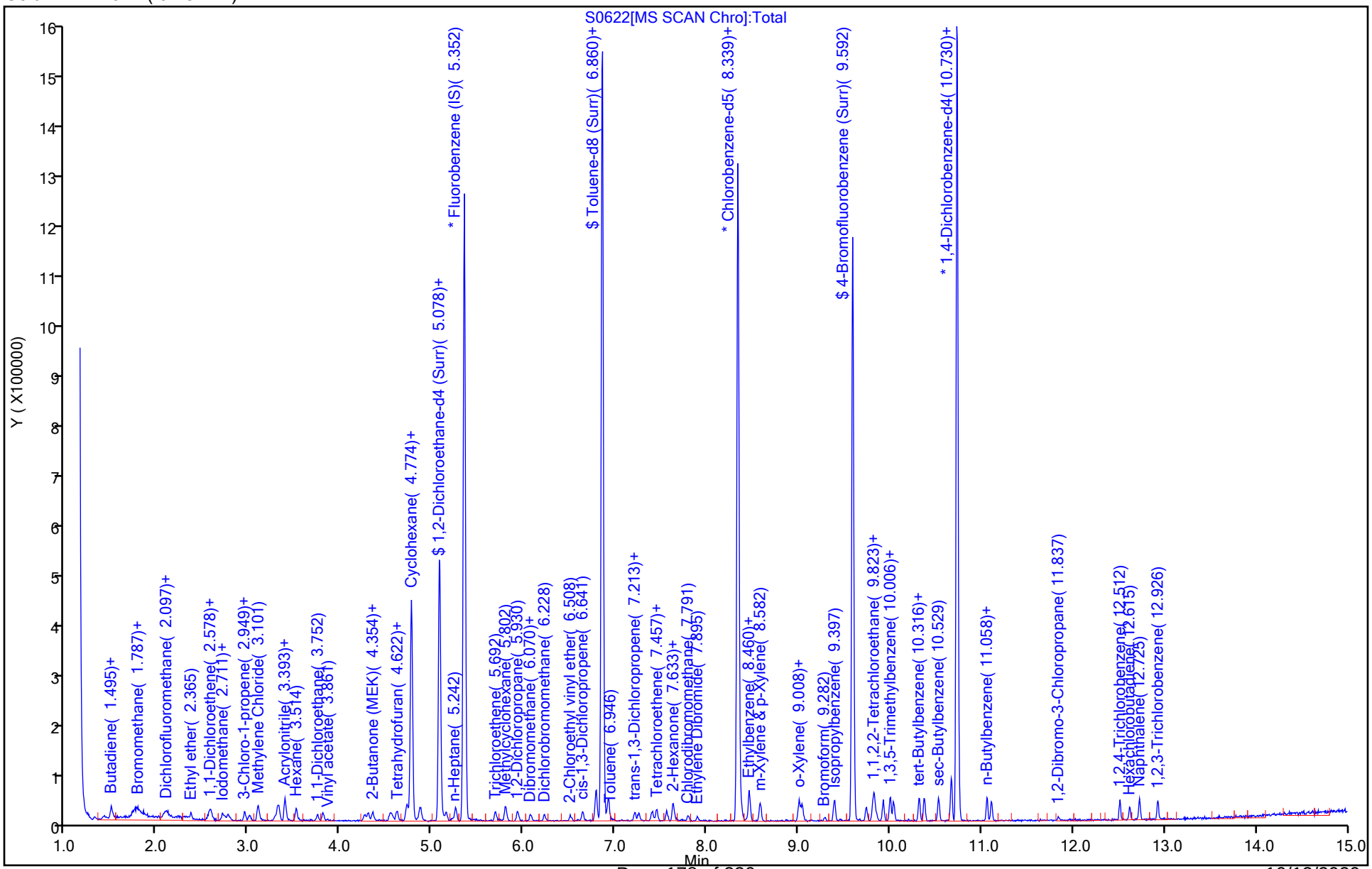
Lims ID: IC 0.5 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

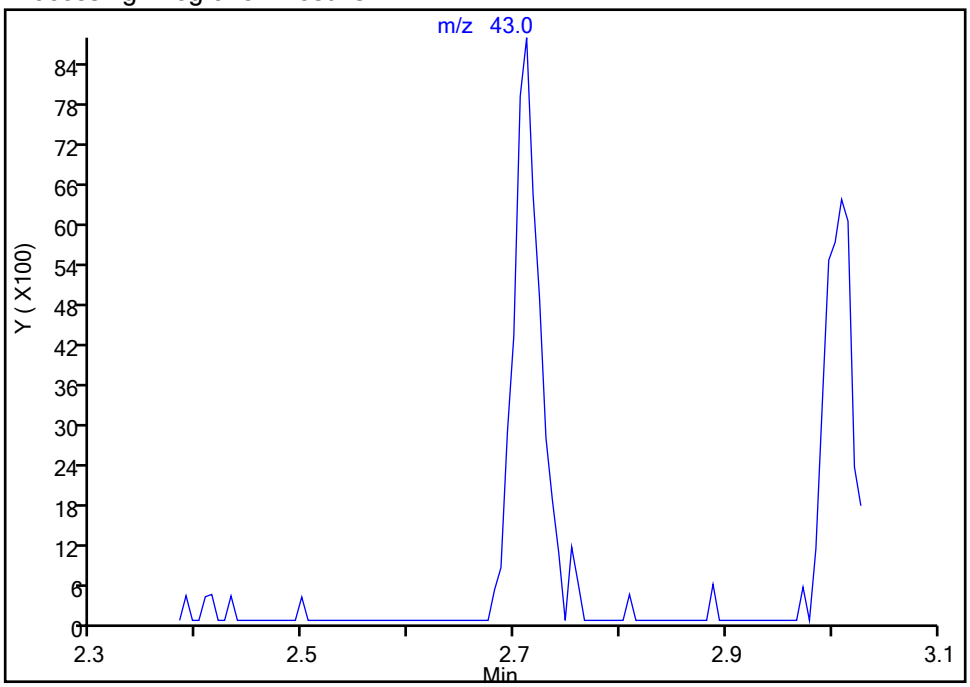
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D
Injection Date: 14-Aug-2020 13:35:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

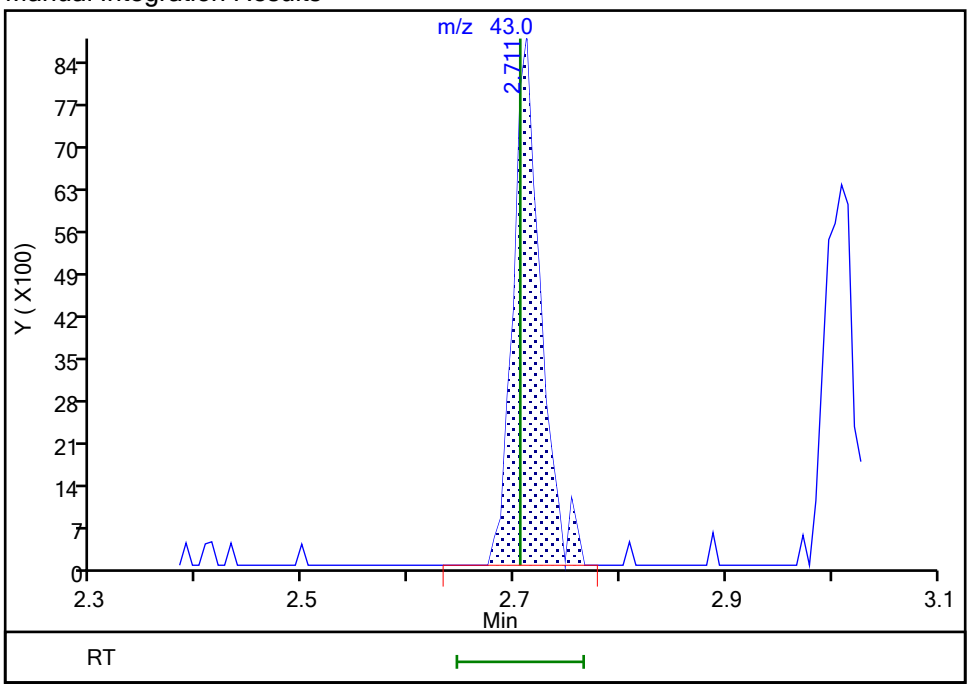
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.71
Area: 15822
Amount: 2.919538
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:10:17
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

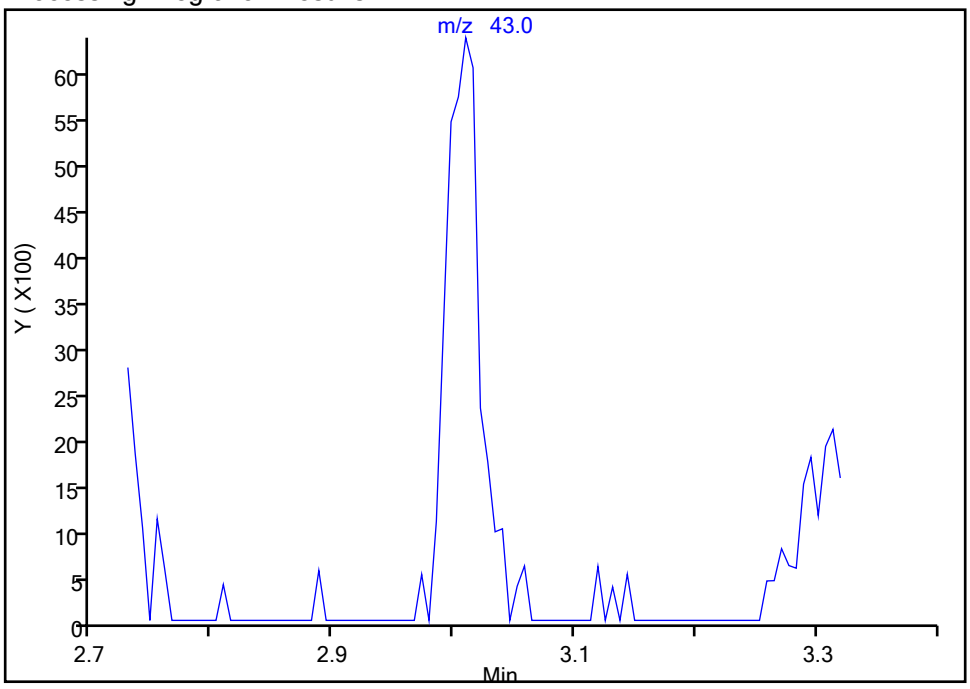
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D
Injection Date: 14-Aug-2020 13:35:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

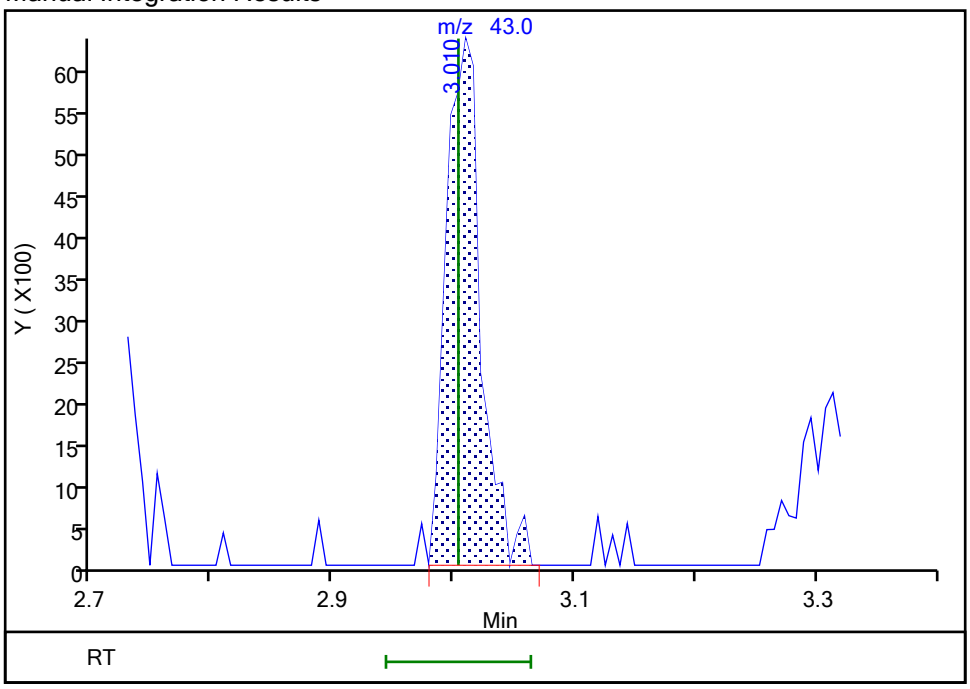
Not Detected
Expected RT: 3.00

Processing Integration Results



Manual Integration Results

RT: 3.01
Area: 12632
Amount: 1.053124
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:10:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

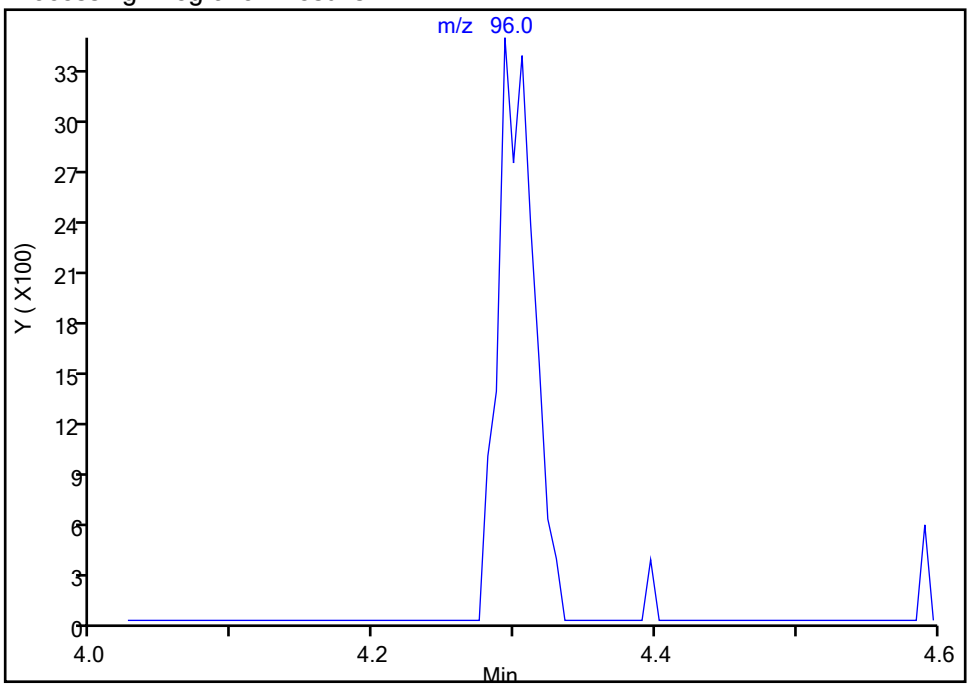
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D
Injection Date: 14-Aug-2020 13:35:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

45 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

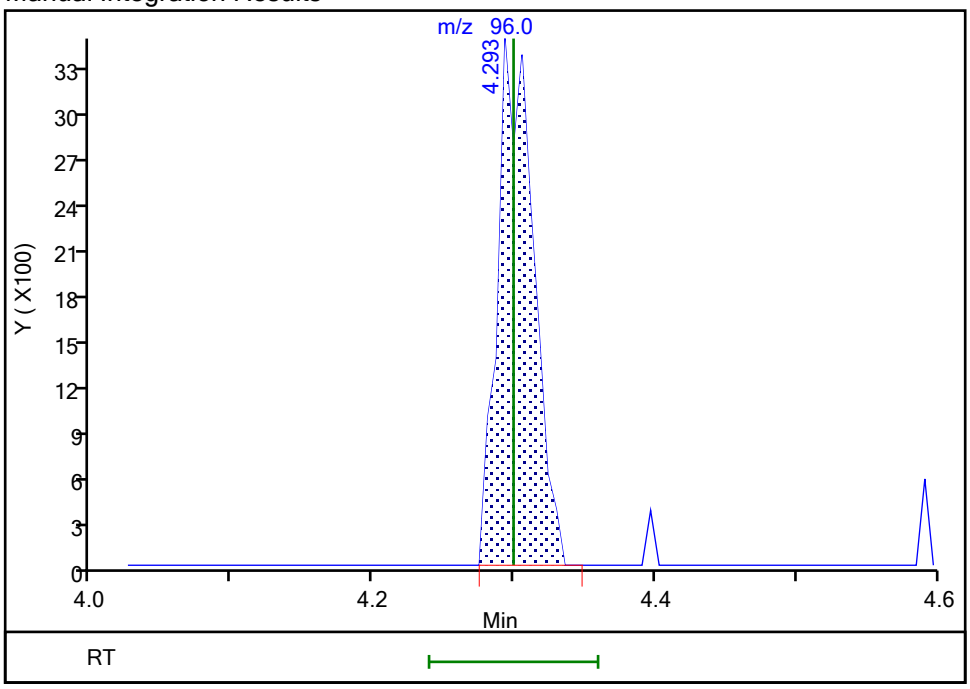
Not Detected
Expected RT: 4.30

Processing Integration Results



Manual Integration Results

RT: 4.29
Area: 6140
Amount: 0.516662
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:10:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

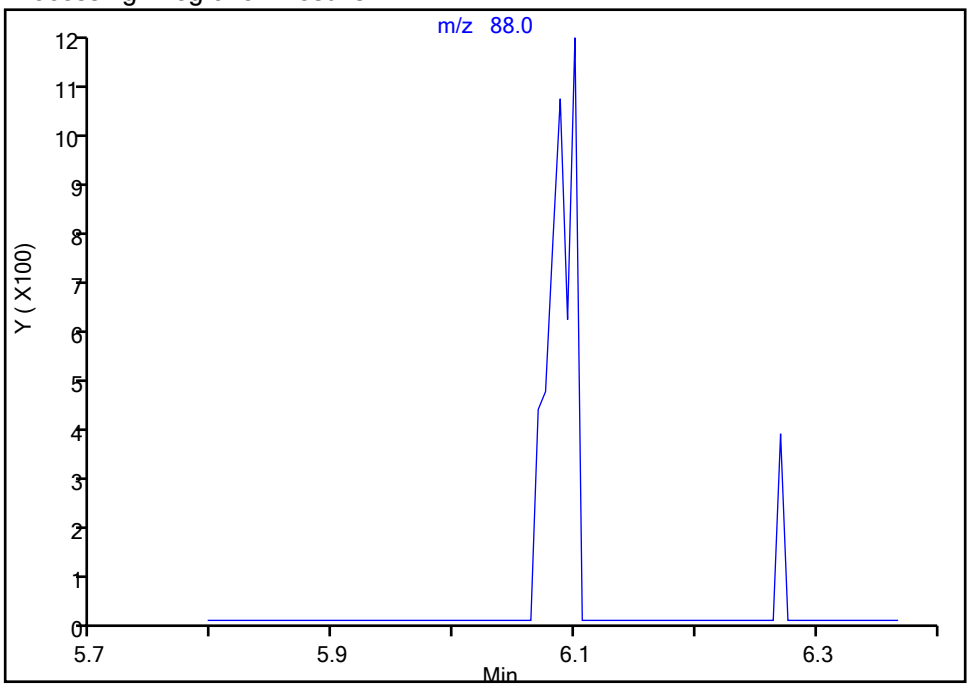
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D
Injection Date: 14-Aug-2020 13:35:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

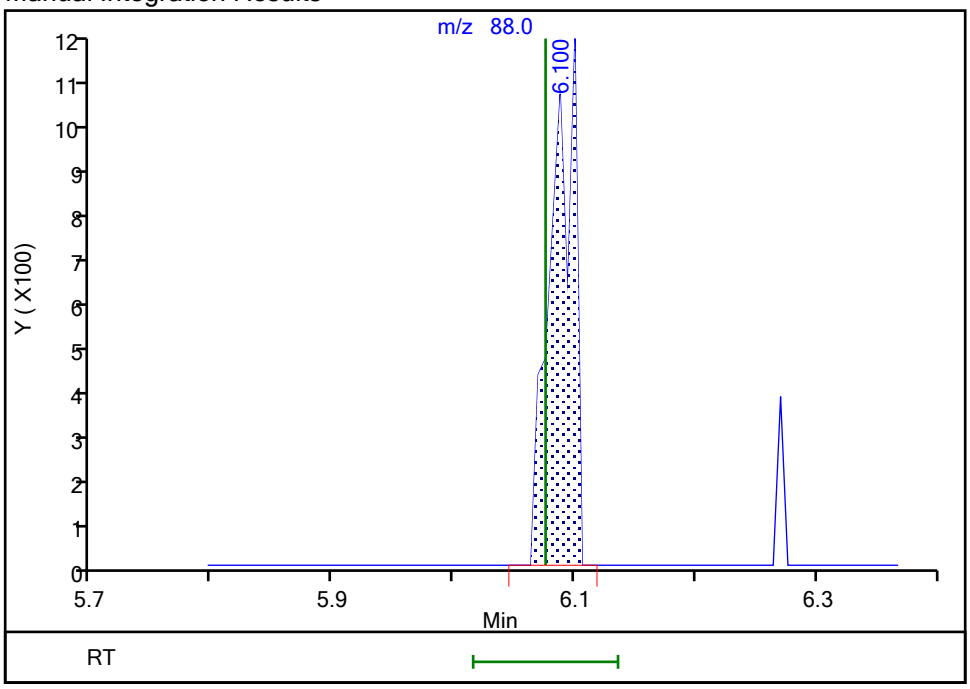
Not Detected
Expected RT: 6.08

Processing Integration Results



Manual Integration Results

RT: 6.10
Area: 1636
Amount: 9.349658
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:11:02
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

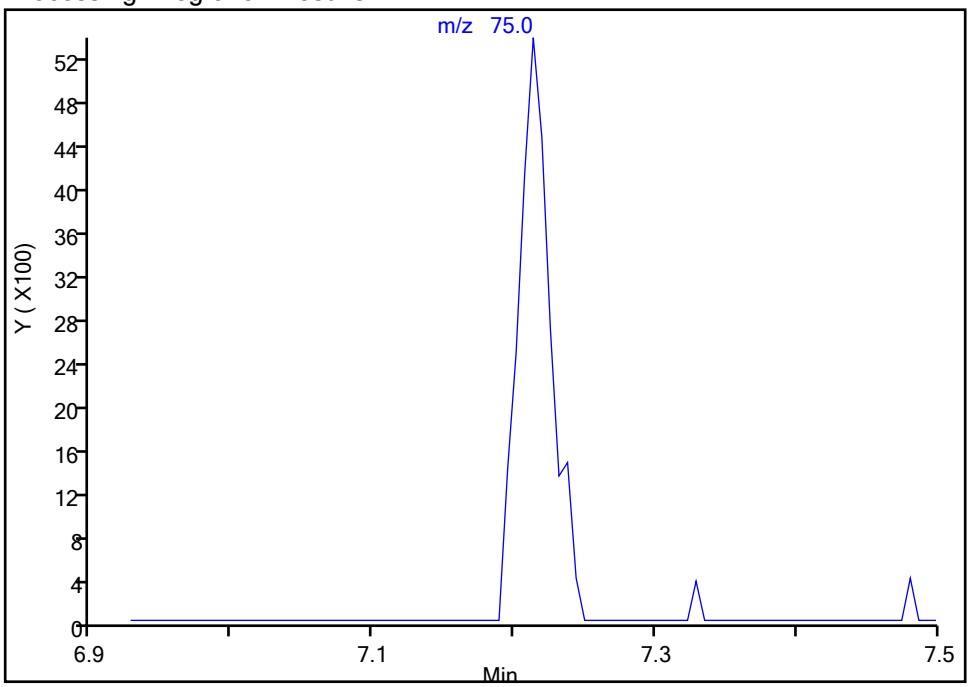
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D
Injection Date: 14-Aug-2020 13:35:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

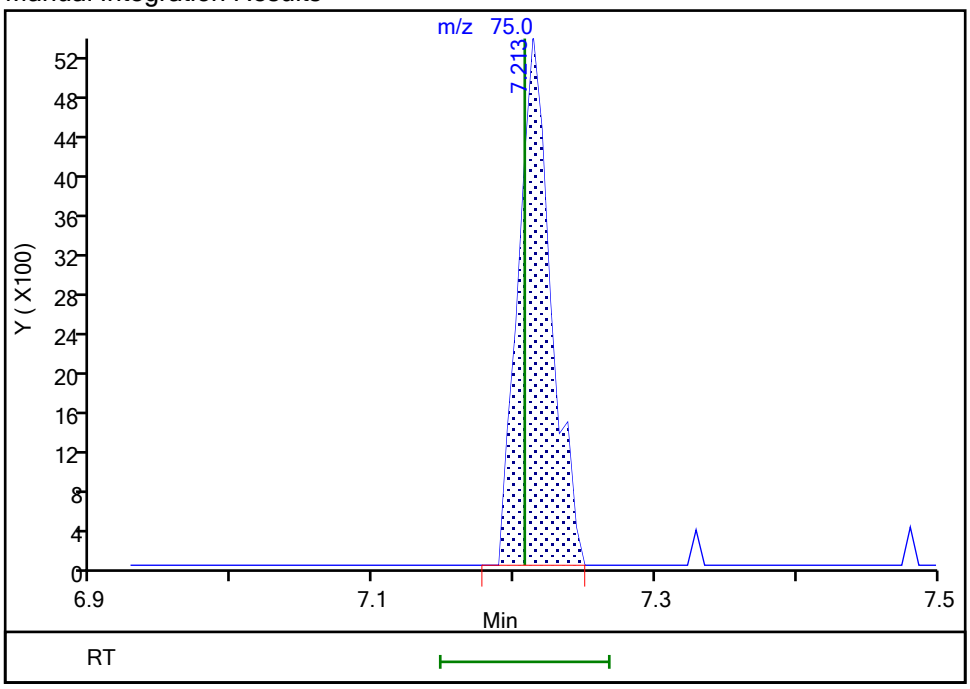
Not Detected
Expected RT: 7.21

Processing Integration Results



Manual Integration Results

RT: 7.21
Area: 8621
Amount: 0.514971
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:11:14
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0623.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Aug-2020 13:58:30 ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0092768-008
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:28:47 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:13:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	186196	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	392152	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	94	380898	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	67	230122	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	97	157631	25.0	25.9	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	93	928975	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	88	296965	25.0	25.4	
10 Dichlorodifluoromethane	85	1.227	1.233	-0.006	55	10160	1.00	0.7880	
12 Chloromethane	50	1.409	1.410	-0.001	76	14454	1.00	1.00	
151 Butadiene	54	1.495	1.489	0.006	84	13410	1.00	0.9688	
13 Vinyl chloride	62	1.507	1.501	0.006	73	10548	1.00	0.8164	
14 Bromomethane	94	1.768	1.775	-0.007	69	9016	1.00	1.05	
15 Chloroethane	64	1.860	1.854	0.006	43	8598	1.00	1.01	M
16 Dichlorofluoromethane	67	2.085	2.079	0.006	53	16136	1.00	0.8811	
17 Trichlorofluoromethane	101	2.091	2.091	0.000	58	14987	1.00	0.8992	
18 Ethyl ether	59	2.365	2.365	0.000	72	9060	1.00	0.8542	
20 Acrolein	56	2.553	2.547	0.006	70	10064	5.00	5.00	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.577	2.572	0.005	16	7668	1.00	0.8722	
22 1,1-Dichloroethene	96	2.571	2.578	-0.007	76	7839	1.00	0.8952	
23 Acetone	43	2.705	2.705	0.000	90	27984	5.00	5.21	a
25 Iodomethane	142	2.754	2.736	0.018	78	15526	1.00	0.9687	
26 Carbon disulfide	76	2.772	2.766	0.006	93	27611	1.00	0.9056	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	77	18239	1.00	1.00	
27 Methyl acetate	43	3.003	3.003	0.000	93	26017	2.00	2.19	
30 Methylene Chloride	84	3.101	3.101	0.000	77	15126	1.00	0.7001	M
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	88	18745	10.0	10.6	
32 Methyl tert-butyl ether	73	3.314	3.308	0.006	89	35492	1.00	1.02	
34 trans-1,2-Dichloroethene	96	3.320	3.326	-0.006	78	10718	1.00	1.03	
33 Acrylonitrile	53	3.393	3.387	0.006	96	59363	10.0	9.90	
35 Hexane	57	3.514	3.514	0.000	84	15666	1.00	0.9467	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.739	3.746	-0.007	44	18341	1.00	0.9486	
37 Vinyl acetate	43	3.806	3.800	0.006	95	44672	2.00	1.82	
44 2,2-Dichloropropane	77	4.269	4.263	0.006	56	10729	1.00	1.00	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	69	10686	1.00	0.9070	
43 2-Butanone (MEK)	43	4.348	4.336	0.012	98	38938	5.00	4.90	
48 Chlorobromomethane	128	4.536	4.537	-0.001	81	6114	1.00	1.00	
49 Tetrahydrofuran	42	4.561	4.555	0.006	89	13787	2.00	2.44	
50 Chloroform	83	4.615	4.616	-0.001	87	21140	1.00	1.09	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	73	13928	1.00	0.9119	
52 Cyclohexane	56	4.725	4.725	0.000	74	15846	1.00	0.8413	
55 Carbon tetrachloride	117	4.859	4.859	0.000	61	10179	1.00	0.8188	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	63	12743	1.00	0.8778	
57 Benzene	78	5.084	5.078	0.006	44	39460	1.00	0.8808	
53 Isobutyl alcohol	43	5.114	5.108	0.006	48	14359	25.0	23.3	
58 1,2-Dichloroethane	62	5.157	5.151	0.006	9	17485	1.00	1.03	
59 n-Heptane	43	5.254	5.254	0.000	86	18061	1.00	1.01	
62 Trichloroethene	95	5.692	5.686	0.006	74	9674	1.00	0.8653	
64 Methylcyclohexane	83	5.802	5.802	0.000	80	15926	1.00	0.8627	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	76	10432	1.00	0.9441	
67 Dibromomethane	93	6.069	6.070	-0.001	76	6682	1.00	0.9448	
66 1,4-Dioxane	88	6.082	6.076	0.006	5	3486	20.0	19.4	
68 Dichlorobromomethane	83	6.222	6.222	0.000	65	14175	1.00	1.02	
69 2-Chloroethyl vinyl ether	63	6.507	6.508	-0.001	76	7539	1.00	0.9115	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	57	16160	1.00	0.9164	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	96	74990	5.00	4.63	
74 Toluene	92	6.921	6.921	0.000	82	26640	1.00	0.9218	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	81	16331	1.00	0.9521	
75 Ethyl methacrylate	69	7.256	7.256	0.000	65	13338	1.00	0.8674	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	69	9234	1.00	1.00	
81 Tetrachloroethene	166	7.450	7.451	-0.001	79	11207	1.00	0.9595	
82 1,3-Dichloropropane	76	7.566	7.560	0.006	72	18899	1.00	1.01	
80 2-Hexanone	43	7.633	7.627	0.006	93	52763	5.00	4.72	
83 Chlorodibromomethane	129	7.797	7.797	0.000	37	8273	1.00	0.8063	
84 Ethylene Dibromide	107	7.901	7.895	0.006	54	11001	1.00	0.9798	
87 Chlorobenzene	112	8.369	8.369	0.000	81	28298	1.00	0.8940	
88 Ethylbenzene	91	8.460	8.460	0.000	89	48196	1.00	0.8904	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.467	0.000	24	9733	1.00	0.9690	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	96	16691	1.00	0.8101	
91 o-Xylene	106	9.008	9.008	0.000	94	17707	1.00	0.8484	
92 Styrene	104	9.038	9.038	0.000	85	30789	1.00	0.8912	
95 Bromoform	173	9.288	9.288	0.000	45	6061	1.00	0.9245	
94 Isopropylbenzene	105	9.391	9.391	0.000	87	46376	1.00	0.8429	
101 Bromobenzene	156	9.744	9.744	0.000	89	12936	1.00	0.9652	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	81	14540	1.00	0.9272	
99 N-Propylbenzene	91	9.823	9.823	0.000	94	57651	1.00	0.8742	
100 1,2,3-Trichloropropane	110	9.841	9.835	0.006	56	5273	1.00	0.9779	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.854	-0.001	39	5454	1.00	1.01	
103 2-Chlorotoluene	126	9.926	9.927	-0.001	85	11806	1.00	0.8925	
102 1,3,5-Trimethylbenzene	105	10.006	10.006	0.000	84	42041	1.00	0.8880	
105 4-Chlorotoluene	126	10.042	10.036	0.006	69	11749	1.00	0.8677	
106 tert-Butylbenzene	134	10.322	10.322	0.000	85	8403	1.00	0.8294	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	7	38945	1.00	0.8232	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	75	51866	1.00	0.8695	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	70	22858	1.00	0.8539	
110 4-Isopropyltoluene	119	10.675	10.669	0.006	91	44517	1.00	0.8583	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	63	25813	1.00	0.9362	a
115 n-Butylbenzene	91	11.058	11.058	0.000	88	39969	1.00	0.8553	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	84	23683	1.00	0.8934	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	18	3103	1.00	1.00	
119 1,2,4-Trichlorobenzene	180	12.506	12.512	-0.006	76	16941	1.00	0.8795	
120 Hexachlorobutadiene	225	12.615	12.622	-0.007	58	6453	1.00	0.8281	
121 Naphthalene	128	12.725	12.725	0.000	93	52369	1.00	0.9099	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	79	16965	1.00	0.9045	
S 126 1,3-Dichloropropene, Total	1				0			1.87	
S 124 Xylenes, Total	1				0			1.66	
S 125 1,2-Dichloroethene, Total	1				0			1.93	
S 123 Total BTEX	1				0			4.35	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00413	Amount Added:	1.00	Units: uL	
8260 CORP mix_00191	Amount Added:	1.00	Units: uL	
S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

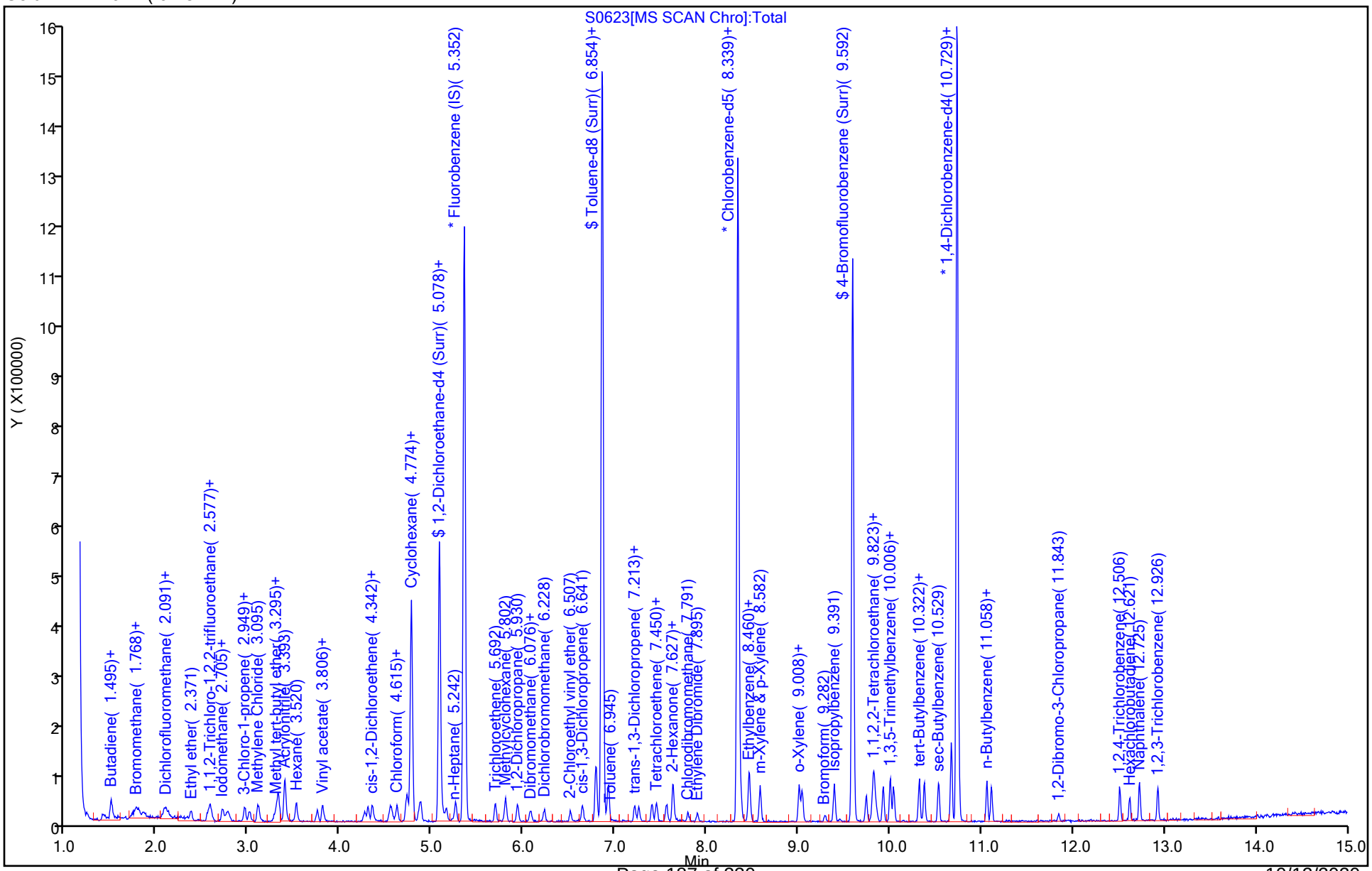
Report Date: 16-Aug-2020 16:28:48 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0623.D

Injection Date:	14-Aug-2020 13:58:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

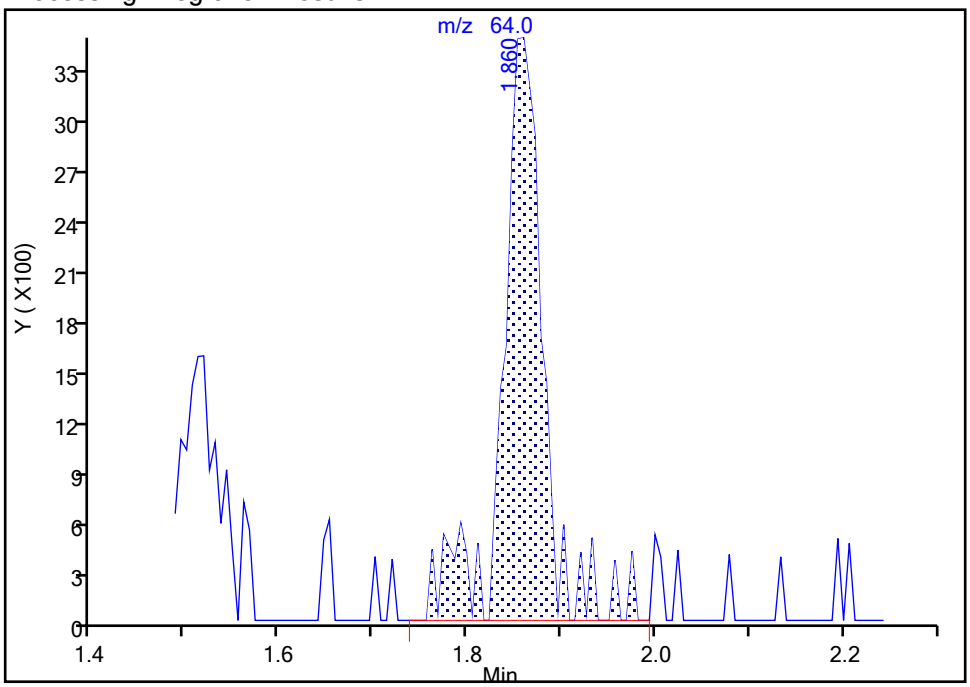
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0623.D
Injection Date: 14-Aug-2020 13:58:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

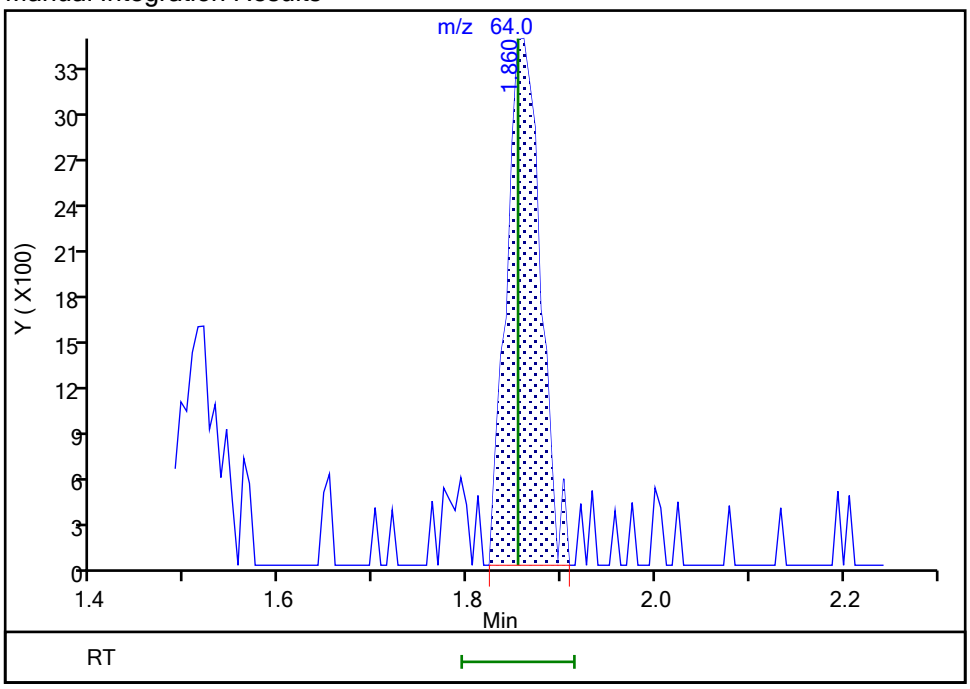
Processing Integration Results

RT: 1.86
Area: 10340
Amount: 1.134943
Amount Units: ug/L



Manual Integration Results

RT: 1.86
Area: 8598
Amount: 1.005210
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:12:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

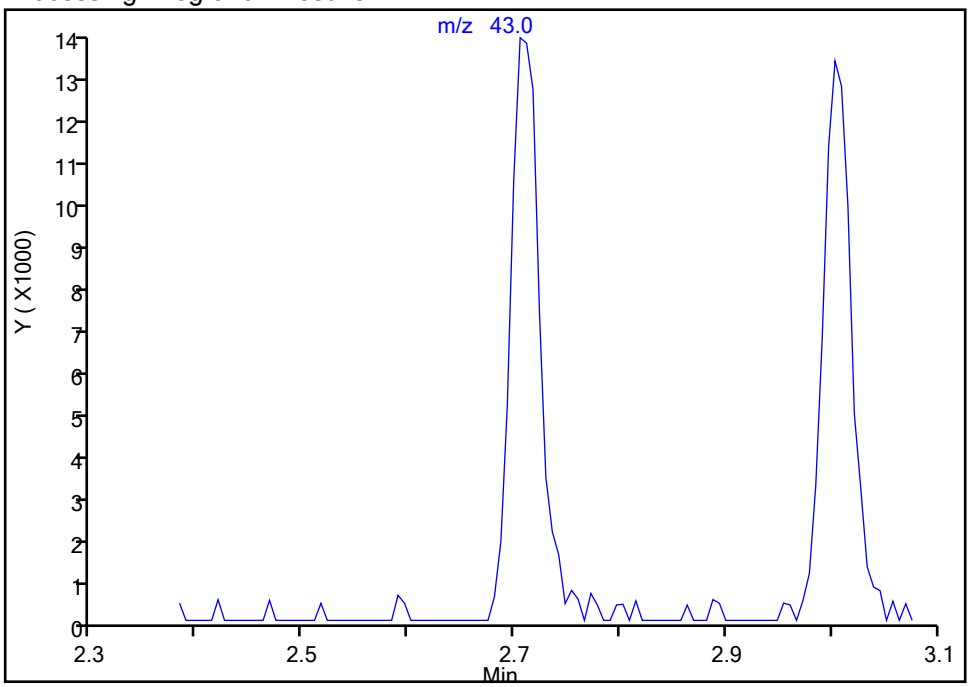
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0623.D
Injection Date: 14-Aug-2020 13:58:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

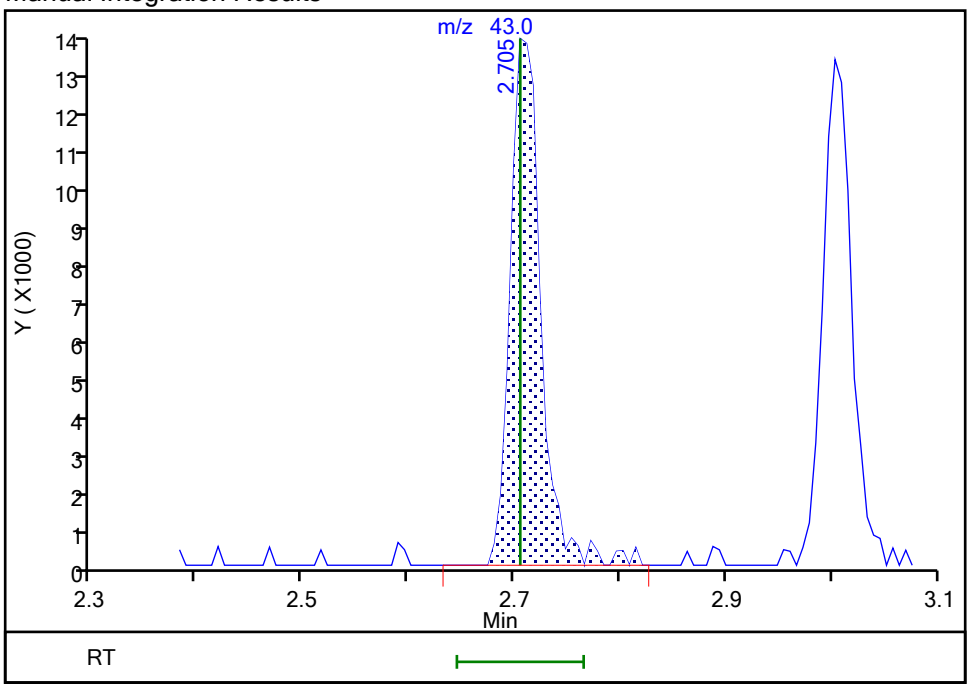
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.71
Area: 27984
Amount: 5.208341
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:12:27
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

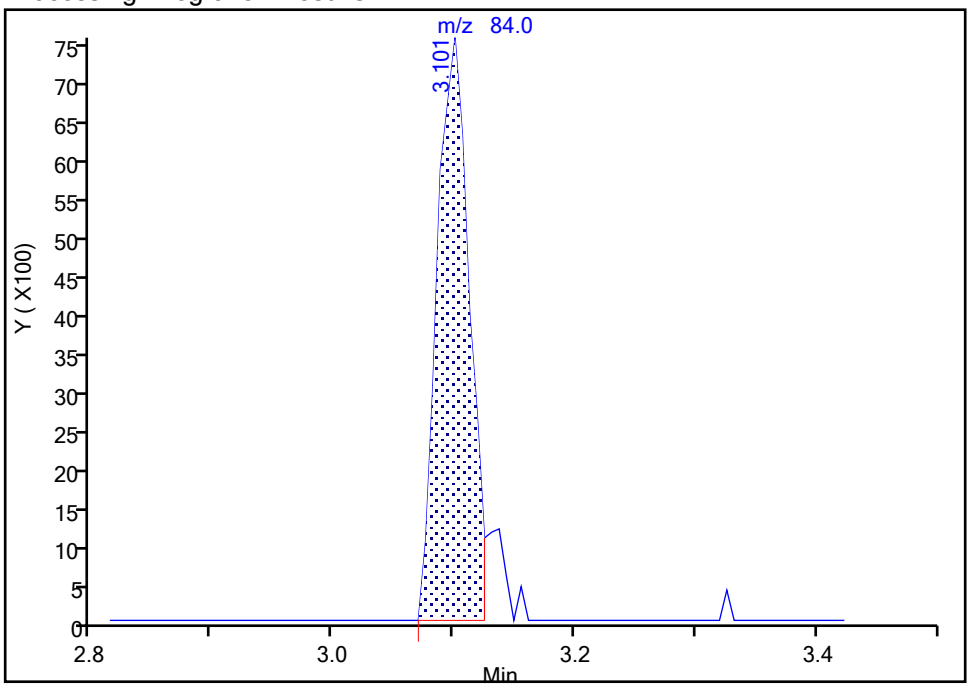
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0623.D
Injection Date: 14-Aug-2020 13:58:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

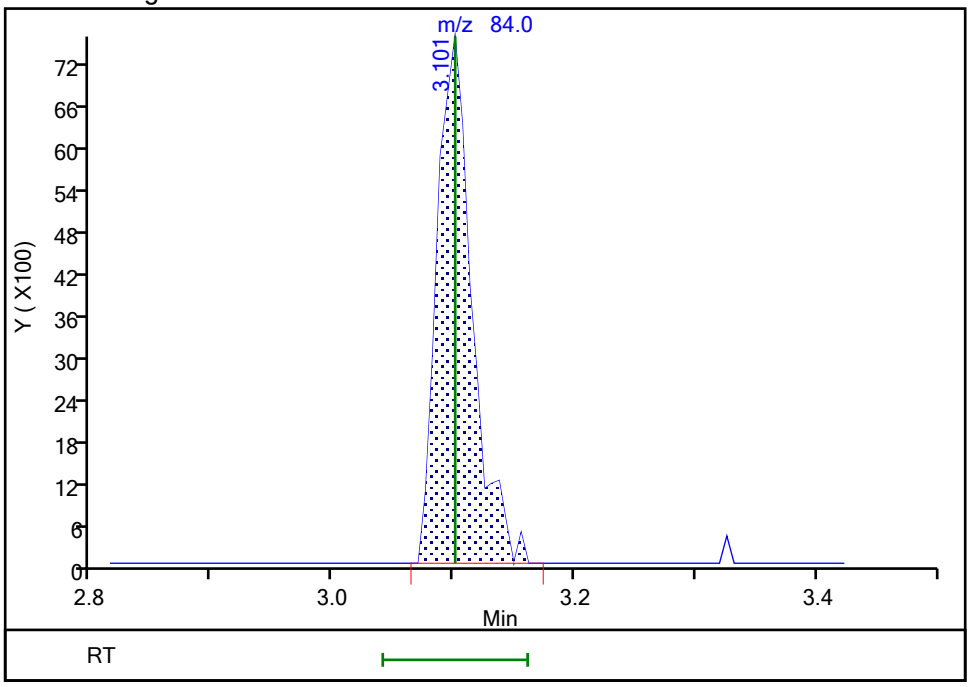
Processing Integration Results

RT: 3.10
Area: 13916
Amount: 0.998111
Amount Units: ug/L



Manual Integration Results

RT: 3.10
Area: 15126
Amount: 0.700058
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:12:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

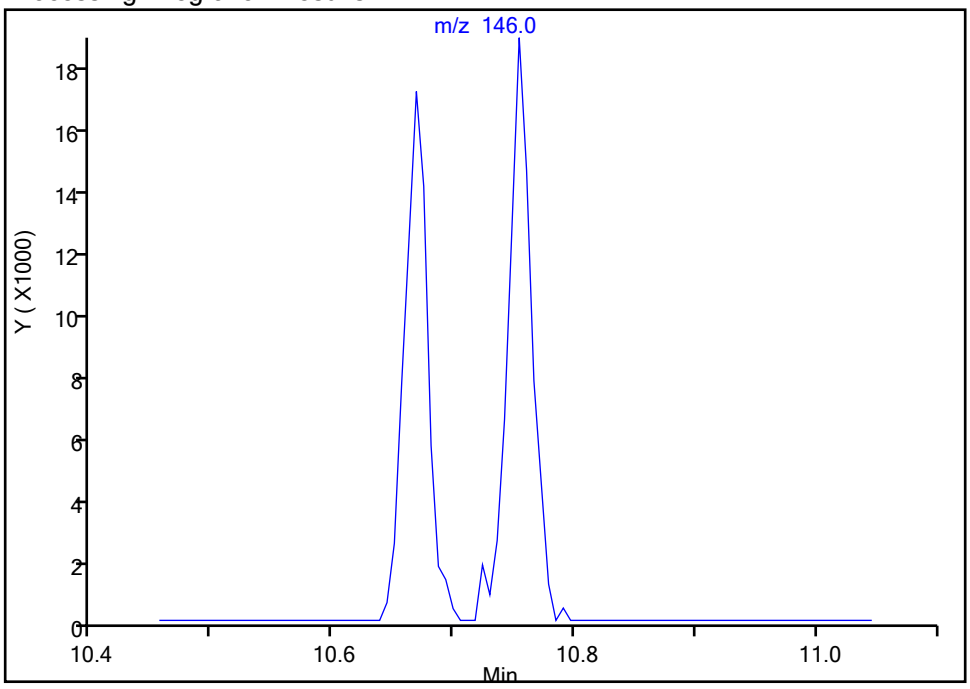
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0623.D
Injection Date: 14-Aug-2020 13:58:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

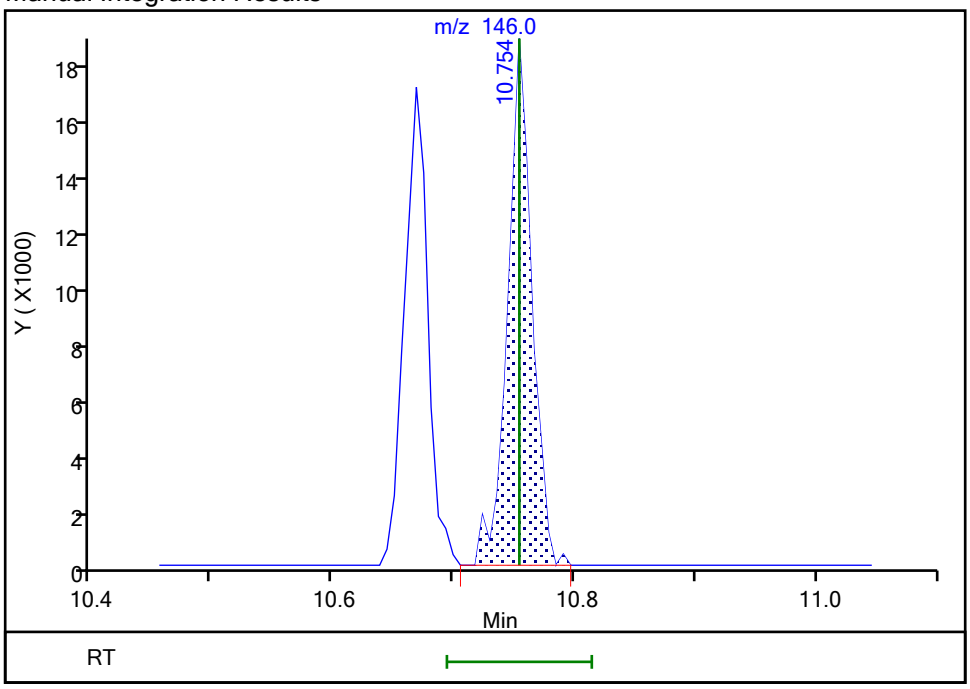
Not Detected
Expected RT: 10.75

Processing Integration Results



Manual Integration Results

RT: 10.75
Area: 25813
Amount: 0.936215
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:13:06
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0624.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Aug-2020 14:21:30 ALS Bottle#: 5 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0092768-009
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:28:52 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:14:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	187696	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	391577	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	94	379328	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	57	229383	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	91	152581	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.860	6.854	0.006	92	912859	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	293059	25.0	25.1	
10 Dichlorodifluoromethane	85	1.239	1.233	0.006	77	26803	2.00	2.06	
12 Chloromethane	50	1.409	1.410	-0.001	83	30804	2.00	2.10	
151 Butadiene	54	1.495	1.489	0.006	96	32145	2.00	2.30	
13 Vinyl chloride	62	1.507	1.501	0.006	70	27656	2.00	2.12	
14 Bromomethane	94	1.768	1.775	-0.007	82	18929	2.00	2.18	
15 Chloroethane	64	1.860	1.854	0.006	77	19492	2.00	2.26	
16 Dichlorofluoromethane	67	2.091	2.079	0.012	73	37956	2.00	2.06	
17 Trichlorofluoromethane	101	2.091	2.091	0.000	42	36641	2.00	2.18	
18 Ethyl ether	59	2.365	2.365	0.000	84	22135	2.00	2.07	
20 Acrolein	56	2.547	2.547	0.000	82	20544	10.0	10.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.577	2.572	0.005	52	19299	2.00	2.18	
22 1,1-Dichloroethene	96	2.577	2.578	-0.001	84	20228	2.00	2.29	
23 Acetone	43	2.705	2.705	0.000	95	53033	10.0	9.79	
25 Iodomethane	142	2.736	2.736	0.000	83	33057	2.00	2.05	
26 Carbon disulfide	76	2.766	2.766	0.000	87	67185	2.00	2.19	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	85	38546	2.00	2.10	
27 Methyl acetate	43	3.003	3.003	0.000	95	46597	4.00	3.89	
30 Methylene Chloride	84	3.101	3.101	0.000	85	29118	2.00	2.04	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	93	34509	20.0	19.4	
32 Methyl tert-butyl ether	73	3.314	3.308	0.006	90	71402	2.00	2.03	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	93	22449	2.00	2.13	
33 Acrylonitrile	53	3.393	3.387	0.006	98	122079	20.0	20.2	
35 Hexane	57	3.514	3.514	0.000	86	41464	2.00	2.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	76	41760	2.00	2.14	
37 Vinyl acetate	43	3.800	3.800	0.000	97	87123	4.00	3.53	
44 2,2-Dichloropropane	77	4.257	4.263	-0.006	81	24229	2.00	2.23	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	57	26446	2.00	2.23	
43 2-Butanone (MEK)	43	4.348	4.336	0.012	98	77623	10.0	9.69	
48 Chlorobromomethane	128	4.542	4.537	0.005	77	12891	2.00	2.10	
49 Tetrahydrofuran	42	4.561	4.555	0.006	91	24019	4.00	4.22	
50 Chloroform	83	4.615	4.616	-0.001	77	42042	2.00	2.15	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	81	33872	2.00	2.20	
52 Cyclohexane	56	4.725	4.725	0.000	88	42886	2.00	2.26	
55 Carbon tetrachloride	117	4.865	4.859	0.006	76	25722	2.00	2.05	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	75	31442	2.00	2.15	
57 Benzene	78	5.078	5.078	0.000	56	96815	2.00	2.14	
53 Isobutyl alcohol	43	5.108	5.108	0.000	46	29264	50.0	47.2	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	51	36631	2.00	2.15	
59 n-Heptane	43	5.260	5.254	0.006	88	43171	2.00	2.40	
62 Trichloroethene	95	5.692	5.686	0.006	88	23403	2.00	2.08	
64 Methylcyclohexane	83	5.802	5.802	0.000	88	42382	2.00	2.28	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	84	23963	2.00	2.15	
67 Dibromomethane	93	6.069	6.070	-0.001	81	14016	2.00	1.97	
66 1,4-Dioxane	88	6.076	6.076	0.000	33	7633	40.0	42.6	a
68 Dichlorobromomethane	83	6.228	6.222	0.006	81	26404	2.00	1.88	
69 2-Chloroethyl vinyl ether	63	6.514	6.508	0.006	75	17352	2.00	2.08	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	73	33798	2.00	1.90	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	97	158896	10.0	9.83	
74 Toluene	92	6.927	6.921	0.006	79	60306	2.00	2.09	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	90	32699	2.00	1.91	
75 Ethyl methacrylate	69	7.256	7.256	0.000	78	29126	2.00	1.90	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	77	19437	2.00	2.11	
81 Tetrachloroethene	166	7.457	7.451	0.006	77	25264	2.00	2.17	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	88	37517	2.00	2.01	
80 2-Hexanone	43	7.627	7.627	0.000	95	108356	10.0	9.71	
83 Chlorodibromomethane	129	7.797	7.797	0.000	79	20798	2.00	2.03	
84 Ethylene Dibromide	107	7.895	7.895	0.000	81	23436	2.00	2.09	
87 Chlorobenzene	112	8.369	8.369	0.000	88	64261	2.00	2.03	
88 Ethylbenzene	91	8.460	8.460	0.000	98	111890	2.00	2.07	
89 1,1,1,2-Tetrachloroethane	131	8.472	8.467	0.006	37	19392	2.00	1.93	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	98	43701	2.00	2.12	
91 o-Xylene	106	9.008	9.008	0.000	94	42021	2.00	2.02	
92 Styrene	104	9.038	9.038	0.000	90	69571	2.00	2.02	
95 Bromoform	173	9.288	9.288	0.000	71	13184	2.00	2.01	
94 Isopropylbenzene	105	9.391	9.391	0.000	92	113677	2.00	2.07	
101 Bromobenzene	156	9.744	9.744	0.000	92	27038	2.00	2.03	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	84	32087	2.00	2.05	
99 N-Propylbenzene	91	9.823	9.823	0.000	97	133968	2.00	2.04	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	45	10350	2.00	1.93	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.854	-0.001	65	9605	2.00	1.78	
103 2-Chlorotoluene	126	9.926	9.927	-0.001	92	26489	2.00	2.01	
102 1,3,5-Trimethylbenzene	105	9.999	10.006	-0.007	92	93972	2.00	1.99	
105 4-Chlorotoluene	126	10.036	10.036	0.000	72	27749	2.00	2.06	
106 tert-Butylbenzene	134	10.322	10.322	0.000	88	21922	2.00	2.17	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	83	97692	2.00	2.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	90	123900	2.00	2.09	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	67	58409	2.00	2.19	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	96	110078	2.00	2.13	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	76	55102	2.00	2.01	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	97329	2.00	2.09	
116 1,2-Dichlorobenzene	146	11.113	11.107	0.006	90	54757	2.00	2.07	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	42	5810	2.00	1.88	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	86	38924	2.00	2.03	
120 Hexachlorobutadiene	225	12.621	12.622	-0.001	82	18177	2.00	2.34	
121 Naphthalene	128	12.725	12.725	0.000	96	112482	2.00	1.96	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	88	39472	2.00	2.11	
S 126 1,3-Dichloropropene, Total	1				0			3.81	
S 124 Xylenes, Total	1				0			4.14	
S 125 1,2-Dichloroethene, Total	1				0			4.36	
S 123 Total BTEX	1				0			10.4	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GAS CORP mix_00413	Amount Added:	2.00	Units: uL	
8260 CORP mix_00191	Amount Added:	2.00	Units: uL	
S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

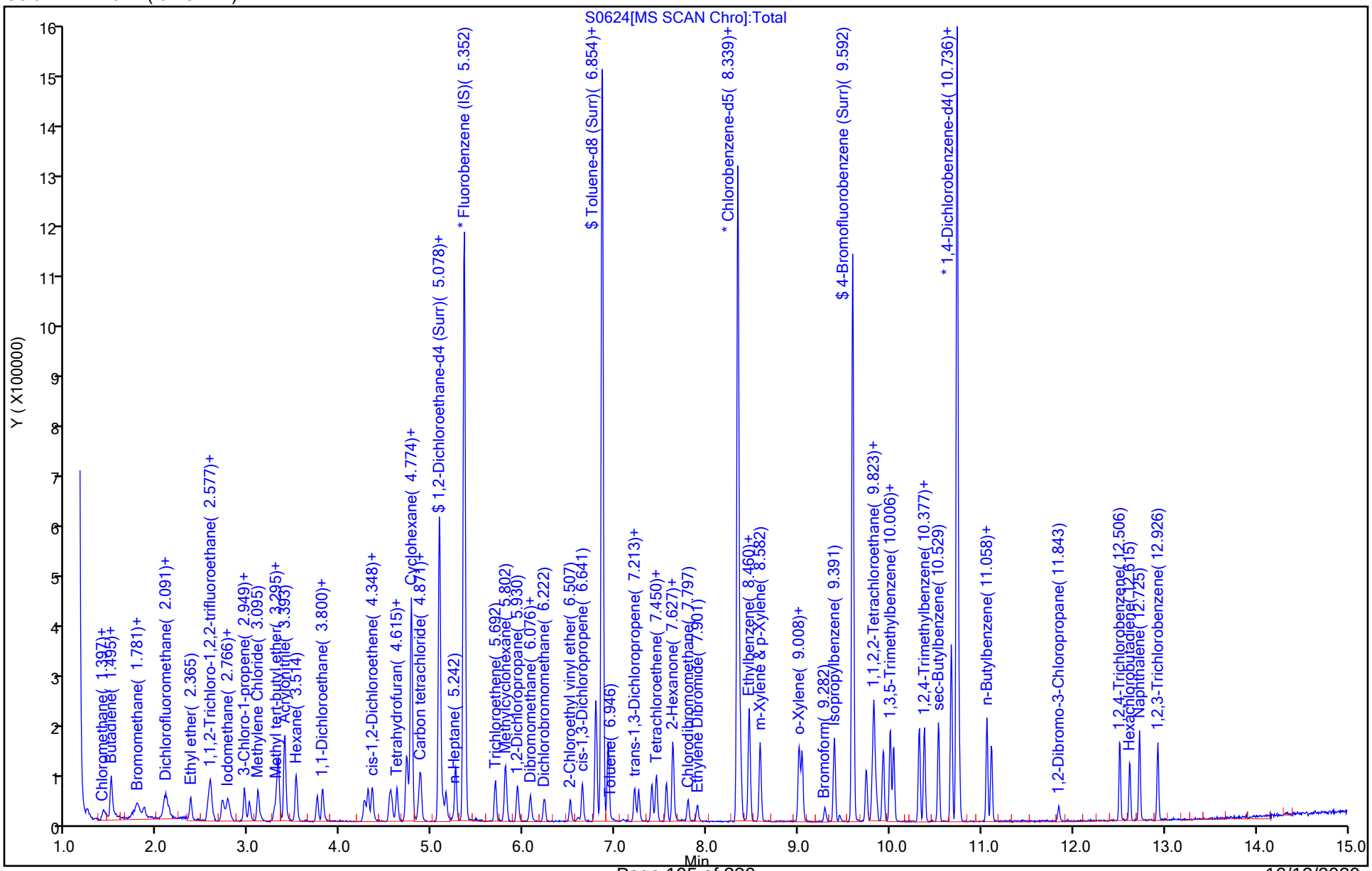
Report Date: 16-Aug-2020 16:28:52 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0624.D

Injection Date:	14-Aug-2020 14:21:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

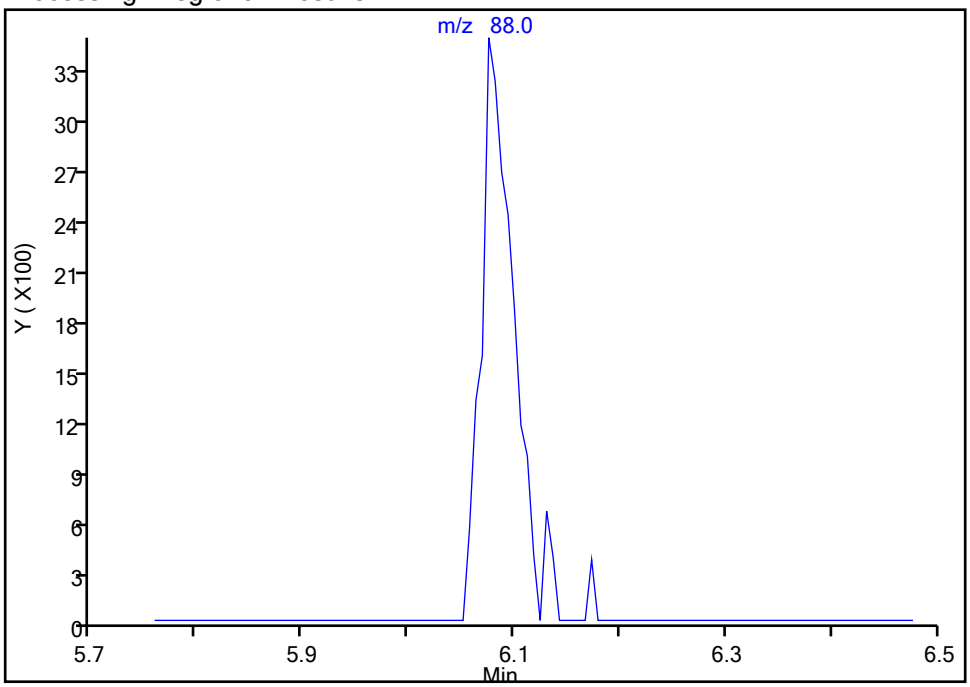
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0624.D
Injection Date: 14-Aug-2020 14:21:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

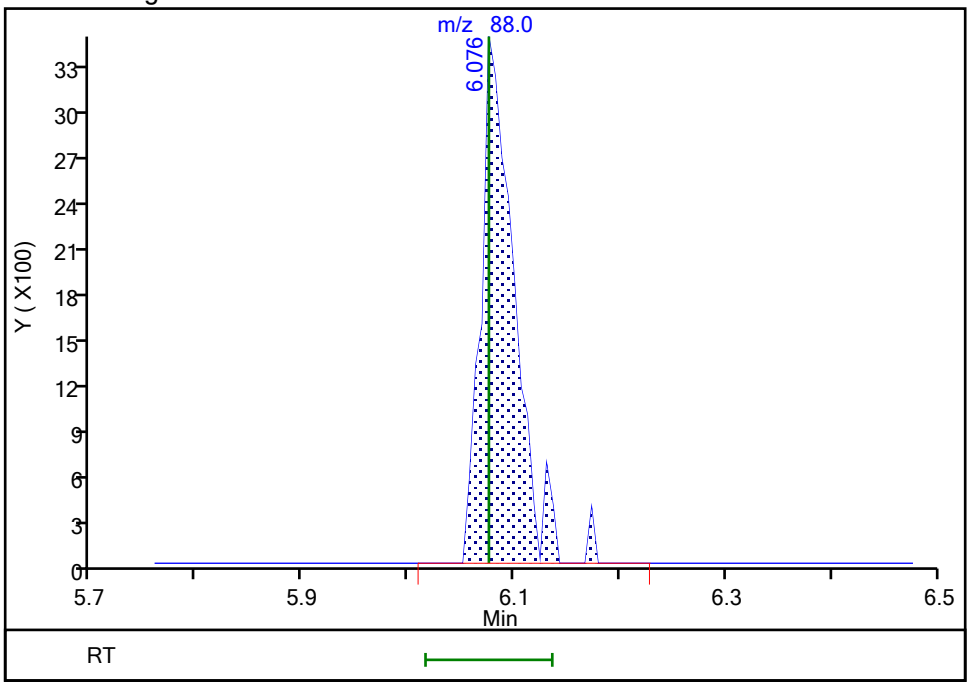
Not Detected
Expected RT: 6.08

Processing Integration Results



Manual Integration Results

RT: 6.08
Area: 7633
Amount: 42.638315
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:14:39
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0625.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Aug-2020 14:46:30 ALS Bottle#: 6 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0092768-010
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:28:57 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:15:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	192938	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	87	392291	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	92	369796	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	56	231964	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.084	5.078	0.006	90	155575	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	93	919626	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	88	287969	25.0	24.6	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	93	69099	5.00	5.17	
12 Chloromethane	50	1.422	1.410	0.012	98	78824	5.00	5.24	
151 Butadiene	54	1.501	1.489	0.012	92	70517	5.00	4.92	
13 Vinyl chloride	62	1.519	1.501	0.018	96	69260	5.00	5.17	
14 Bromomethane	94	1.793	1.775	0.018	84	44868	5.00	5.02	
15 Chloroethane	64	1.866	1.854	0.012	93	45801	5.00	5.17	
16 Dichlorofluoromethane	67	2.091	2.079	0.012	95	97345	5.00	5.13	
17 Trichlorofluoromethane	101	2.109	2.091	0.018	62	87423	5.00	5.06	
18 Ethyl ether	59	2.365	2.365	0.000	91	55745	5.00	5.07	
20 Acrolein	56	2.547	2.547	0.000	94	47810	25.0	22.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.584	2.572	0.012	79	49859	5.00	5.47	
22 1,1-Dichloroethene	96	2.596	2.578	0.018	85	46467	5.00	5.12	
23 Acetone	43	2.705	2.705	0.000	96	142199	25.0	25.5	
25 Iodomethane	142	2.766	2.736	0.030	90	83041	5.00	5.00	
26 Carbon disulfide	76	2.797	2.766	0.031	98	158857	5.00	5.03	
28 3-Chloro-1-propene	41	2.955	2.949	0.006	84	93840	5.00	4.97	
27 Methyl acetate	43	3.003	3.003	0.000	95	124982	10.0	10.1	
30 Methylene Chloride	84	3.101	3.101	0.000	95	63341	5.00	5.19	
31 2-Methyl-2-propanol	59	3.283	3.277	0.006	90	89563	50.0	48.9	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	92	177514	5.00	4.91	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	95	56197	5.00	5.20	
33 Acrylonitrile	53	3.387	3.387	0.000	100	314472	50.0	50.6	
35 Hexane	57	3.514	3.514	0.000	94	88034	5.00	5.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	84	100180	5.00	5.00	
37 Vinyl acetate	43	3.800	3.800	0.000	98	225451	10.0	8.89	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	86	50905	5.00	4.56	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	65	62697	5.00	5.14	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	100	213823	25.0	26.0	
48 Chlorobromomethane	128	4.536	4.537	-0.001	93	31286	5.00	4.96	
49 Tetrahydrofuran	42	4.555	4.555	0.000	90	56081	10.0	9.58	
50 Chloroform	83	4.616	4.616	0.000	81	99413	5.00	4.95	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	79	77891	5.00	4.92	
52 Cyclohexane	56	4.725	4.725	0.000	91	101748	5.00	5.21	
55 Carbon tetrachloride	117	4.859	4.859	0.000	89	66435	5.00	5.16	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	85	77089	5.00	5.12	
57 Benzene	78	5.078	5.078	0.000	77	237242	5.00	5.11	
53 Isobutyl alcohol	43	5.108	5.108	0.000	93	72857	125.0	114.3	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	68	85671	5.00	4.89	
59 n-Heptane	43	5.254	5.254	0.000	92	93684	5.00	5.08	
62 Trichloroethene	95	5.686	5.686	0.000	89	59498	5.00	5.14	
64 Methylcyclohexane	83	5.802	5.802	0.000	89	100308	5.00	5.24	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	86	60290	5.00	5.27	
67 Dibromomethane	93	6.070	6.070	0.000	87	35965	5.00	4.91	
66 1,4-Dioxane	88	6.082	6.076	0.006	60	19529	100.0	108.9	
68 Dichlorobromomethane	83	6.222	6.222	0.000	88	74447	5.00	5.15	
69 2-Chloroethyl vinyl ether	63	6.508	6.508	0.000	91	41572	5.00	4.85	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	87	90363	5.00	4.95	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	97	427100	25.0	26.4	
74 Toluene	92	6.921	6.921	0.000	85	146756	5.00	5.08	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	96	84330	5.00	4.91	
75 Ethyl methacrylate	69	7.256	7.256	0.000	83	76613	5.00	4.98	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	91	46557	5.00	5.04	
81 Tetrachloroethene	166	7.450	7.451	-0.001	79	61922	5.00	5.30	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	94	97049	5.00	5.18	
80 2-Hexanone	43	7.627	7.627	0.000	97	301152	25.0	26.9	
83 Chlorodibromomethane	129	7.791	7.797	-0.006	87	50965	5.00	4.97	
84 Ethylene Dibromide	107	7.895	7.895	0.000	94	56693	5.00	5.05	
87 Chlorobenzene	112	8.369	8.369	0.000	92	164712	5.00	5.20	
88 Ethylbenzene	91	8.460	8.460	0.000	99	273586	5.00	5.05	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.467	0.000	45	49808	5.00	4.96	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	98	107997	5.00	5.24	
91 o-Xylene	106	9.008	9.008	0.000	96	108627	5.00	5.20	
92 Styrene	104	9.038	9.038	0.000	94	175987	5.00	5.09	
95 Bromoform	173	9.288	9.288	0.000	83	31230	5.00	4.76	
94 Isopropylbenzene	105	9.391	9.391	0.000	95	281916	5.00	5.28	
101 Bromobenzene	156	9.738	9.744	-0.006	95	68427	5.00	5.26	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	84	80228	5.00	5.27	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	335675	5.00	5.24	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	59	26850	5.00	5.13	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	81	25266	5.00	4.80	
103 2-Chlorotoluene	126	9.927	9.927	-0.001	96	66502	5.00	5.18	
102 1,3,5-Trimethylbenzene	105	10.000	10.006	-0.006	93	236078	5.00	5.14	
105 4-Chlorotoluene	126	10.036	10.036	0.000	95	71280	5.00	5.42	
106 tert-Butylbenzene	134	10.322	10.322	0.000	91	54287	5.00	5.52	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	34	235319	5.00	5.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	302602	5.00	5.22	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	73	136910	5.00	5.27	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	95	258818	5.00	5.14	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	79	138259	5.00	5.17	
115 n-Butylbenzene	91	11.058	11.058	0.000	97	234249	5.00	5.16	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	92	135019	5.00	5.25	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	57	15246	5.00	5.07	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	92	94843	5.00	5.07	
120 Hexachlorobutadiene	225	12.622	12.622	0.000	90	37397	5.00	4.94	
121 Naphthalene	128	12.725	12.725	0.000	97	281184	5.00	5.03	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	94	93916	5.00	5.16	
S 126 1,3-Dichloropropene, Total	1				0			9.86	
S 124 Xylenes, Total	1				0			10.4	
S 125 1,2-Dichloroethene, Total	1				0			10.3	
S 123 Total BTEX	1				0			25.7	

Reagents:

GAS CORP mix_00413	Amount Added:	5.00	Units: uL	
8260 CORP mix_00191	Amount Added:	5.00	Units: uL	
S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

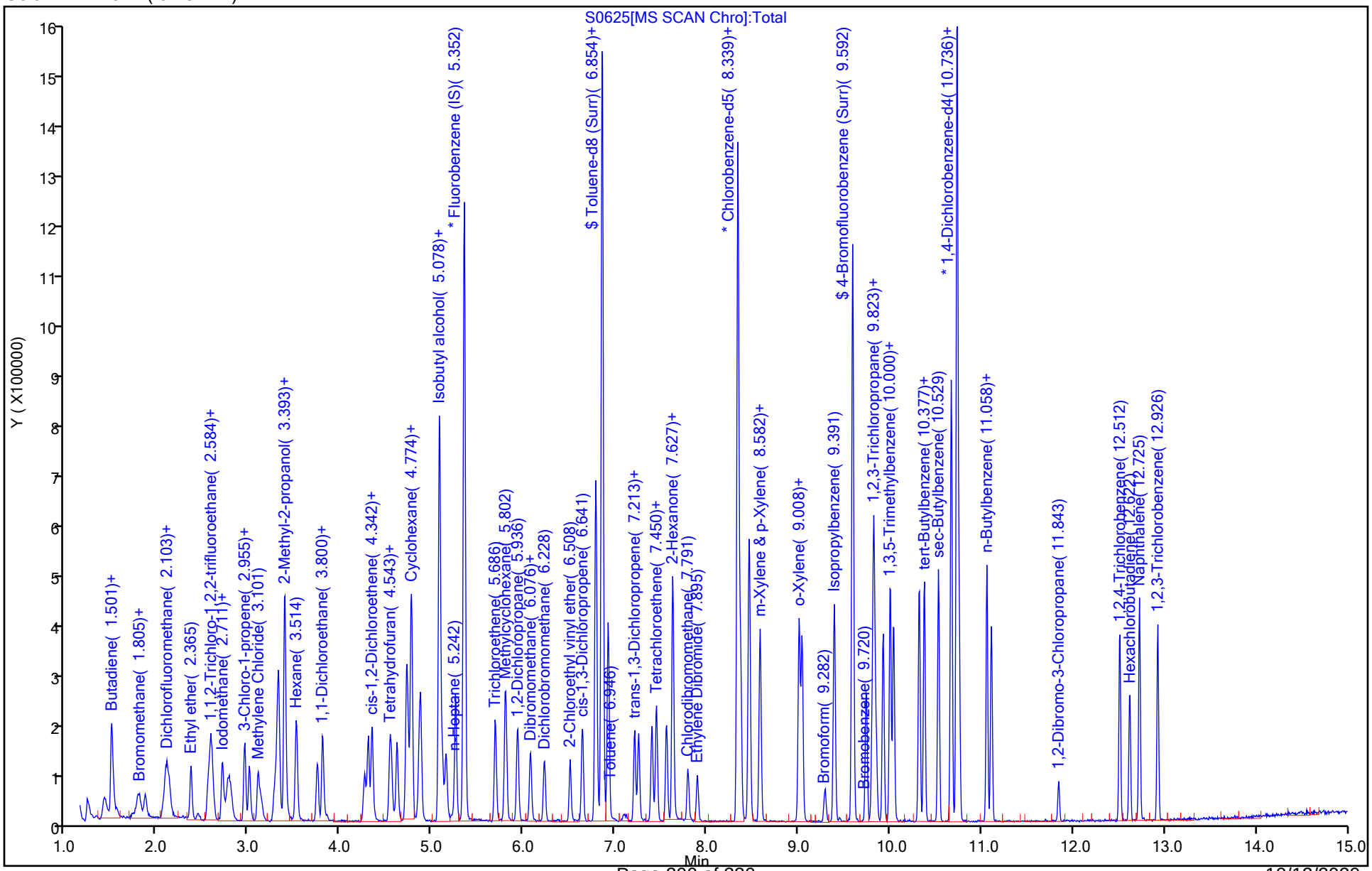
Report Date: 16-Aug-2020 16:28:58 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0625.D

Injection Date:	14-Aug-2020 14:46:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0626.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Aug-2020 15:09:30 ALS Bottle#: 7 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0092768-011
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:29:02 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:23:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.352	-0.006	98	178700	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	378981	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	84	369385	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	64	223077	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	78	146407	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.860	6.854	0.006	92	893742	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	283045	25.0	25.0	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	85	133601	10.0	10.8	
12 Chloromethane	50	1.410	1.410	0.000	88	140833	10.0	10.1	
151 Butadiene	54	1.495	1.489	0.006	92	136642	10.0	10.3	
13 Vinyl chloride	62	1.501	1.501	0.000	50	132704	10.0	10.7	
14 Bromomethane	94	1.775	1.775	0.000	90	90188	10.0	10.9	
15 Chloroethane	64	1.860	1.854	0.006	94	83822	10.0	10.2	
16 Dichlorofluoromethane	67	2.085	2.079	0.006	81	186222	10.0	10.6	
17 Trichlorofluoromethane	101	2.079	2.091	-0.012	55	167409	10.0	10.5	
18 Ethyl ether	59	2.365	2.365	0.000	93	110276	10.0	10.8	
20 Acrolein	56	2.547	2.547	0.000	94	103182	50.0	53.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.571	2.572	-0.001	65	81021	10.0	9.60	
22 1,1-Dichloroethene	96	2.578	2.578	0.000	97	85638	10.0	10.2	
23 Acetone	43	2.705	2.705	0.000	97	264271	50.0	51.2	
25 Iodomethane	142	2.736	2.736	0.000	98	154147	10.0	10.0	
26 Carbon disulfide	76	2.772	2.766	0.006	98	283526	10.0	9.69	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	85	172077	10.0	9.83	
27 Methyl acetate	43	3.003	3.003	0.000	96	236487	20.0	20.7	
30 Methylene Chloride	84	3.095	3.101	-0.006	92	107549	10.0	10.2	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	94	171715	100.0	101.2	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	92	358753	10.0	10.7	
34 trans-1,2-Dichloroethene	96	3.320	3.326	-0.006	77	95829	10.0	9.57	
33 Acrylonitrile	53	3.387	3.387	0.000	99	610095	100.0	106.0	
35 Hexane	57	3.514	3.514	0.000	93	136776	10.0	8.61	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	86	179464	10.0	9.67	
37 Vinyl acetate	43	3.800	3.800	0.000	98	467910	20.0	19.9	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	90	103198	10.0	9.98	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	67	112057	10.0	9.91	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	98	400026	50.0	52.4	
48 Chlorobromomethane	128	4.536	4.537	-0.001	93	60400	10.0	10.3	
49 Tetrahydrofuran	42	4.555	4.555	0.000	91	113422	20.0	20.9	
50 Chloroform	83	4.616	4.616	0.000	80	184835	10.0	9.93	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	89	137659	10.0	9.39	
52 Cyclohexane	56	4.725	4.725	0.000	92	163258	10.0	9.03	
55 Carbon tetrachloride	117	4.859	4.859	0.000	81	114655	10.0	9.61	
54 1,1-Dichloropropene	75	4.877	4.871	0.006	92	133045	10.0	9.55	
57 Benzene	78	5.078	5.078	0.000	94	433467	10.0	10.1	
53 Isobutyl alcohol	43	5.108	5.108	0.000	91	141445	250.0	239.6	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	68	163979	10.0	10.1	
59 n-Heptane	43	5.254	5.254	0.000	92	154934	10.0	9.06	
62 Trichloroethene	95	5.692	5.686	0.006	91	102668	10.0	9.57	
64 Methylcyclohexane	83	5.802	5.802	0.000	91	160573	10.0	9.06	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	84	103038	10.0	9.72	
67 Dibromomethane	93	6.070	6.070	0.000	91	70967	10.0	10.5	
66 1,4-Dioxane	88	6.076	6.076	0.000	51	34577	200.0	199.6	
68 Dichlorobromomethane	83	6.222	6.222	0.000	97	135745	10.0	10.1	
69 2-Chloroethyl vinyl ether	63	6.501	6.508	-0.007	94	79604	10.0	10.0	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	86	171027	10.0	10.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	802783	50.0	51.3	
74 Toluene	92	6.921	6.921	0.000	89	270263	10.0	9.68	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	93	162053	10.0	9.78	
75 Ethyl methacrylate	69	7.256	7.256	0.000	72	146237	10.0	9.84	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	87	84301	10.0	9.45	
81 Tetrachloroethene	166	7.451	7.451	0.000	76	104993	10.0	9.30	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	94	180388	10.0	9.97	
80 2-Hexanone	43	7.627	7.627	0.000	97	558222	50.0	51.7	
83 Chlorodibromomethane	129	7.791	7.797	-0.006	87	99970	10.0	10.1	
84 Ethylene Dibromide	107	7.895	7.895	0.000	97	107063	10.0	9.87	
87 Chlorobenzene	112	8.369	8.369	0.000	93	298860	10.0	9.77	
88 Ethylbenzene	91	8.460	8.460	0.000	99	500573	10.0	9.57	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.467	0.000	41	94390	10.0	9.72	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	99	201804	10.0	10.1	
91 o-Xylene	106	9.008	9.008	0.000	97	203273	10.0	10.1	
92 Styrene	104	9.038	9.038	0.000	94	324025	10.0	9.70	
95 Bromoform	173	9.288	9.288	0.000	92	60033	10.0	9.47	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	505607	10.0	9.48	
101 Bromobenzene	156	9.744	9.744	0.000	94	128620	10.0	9.90	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	89	152056	10.0	10.0	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	610025	10.0	9.54	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	64	50986	10.0	9.75	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	84	52141	10.0	9.92	
103 2-Chlorotoluene	126	9.927	9.927	0.000	95	124042	10.0	9.67	
102 1,3,5-Trimethylbenzene	105	10.000	10.006	-0.006	83	439452	10.0	9.57	
105 4-Chlorotoluene	126	10.042	10.036	0.006	95	124794	10.0	9.50	
106 tert-Butylbenzene	134	10.316	10.322	-0.006	87	91720	10.0	9.34	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	60	450229	10.0	9.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	541981	10.0	9.37	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	73	246349	10.0	9.49	
110 4-Isopropyltoluene	119	10.675	10.669	0.006	96	477321	10.0	9.49	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	92	263107	10.0	9.84	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	426855	10.0	9.42	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	92	254014	10.0	9.88	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	70	29807	10.0	9.92	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	93	180194	10.0	9.65	
120 Hexachlorobutadiene	225	12.622	12.622	0.000	92	71396	10.0	9.45	
121 Naphthalene	128	12.725	12.725	0.000	97	558378	10.0	10.0	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	95	174869	10.0	9.61	
S 126 1,3-Dichloropropene, Total	1				0			19.9	
S 124 Xylenes, Total	1				0			20.2	
S 125 1,2-Dichloroethene, Total	1				0			19.5	
S 123 Total BTEX	1				0			49.5	

Reagents:

GAS CORP mix_00413	Amount Added: 5.00	Units: uL		
8260 CORP mix_00191	Amount Added: 5.00	Units: uL		
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent	
S_8260_Surr_00365	Amount Added: 1.00	Units: uL	Run Reagent	

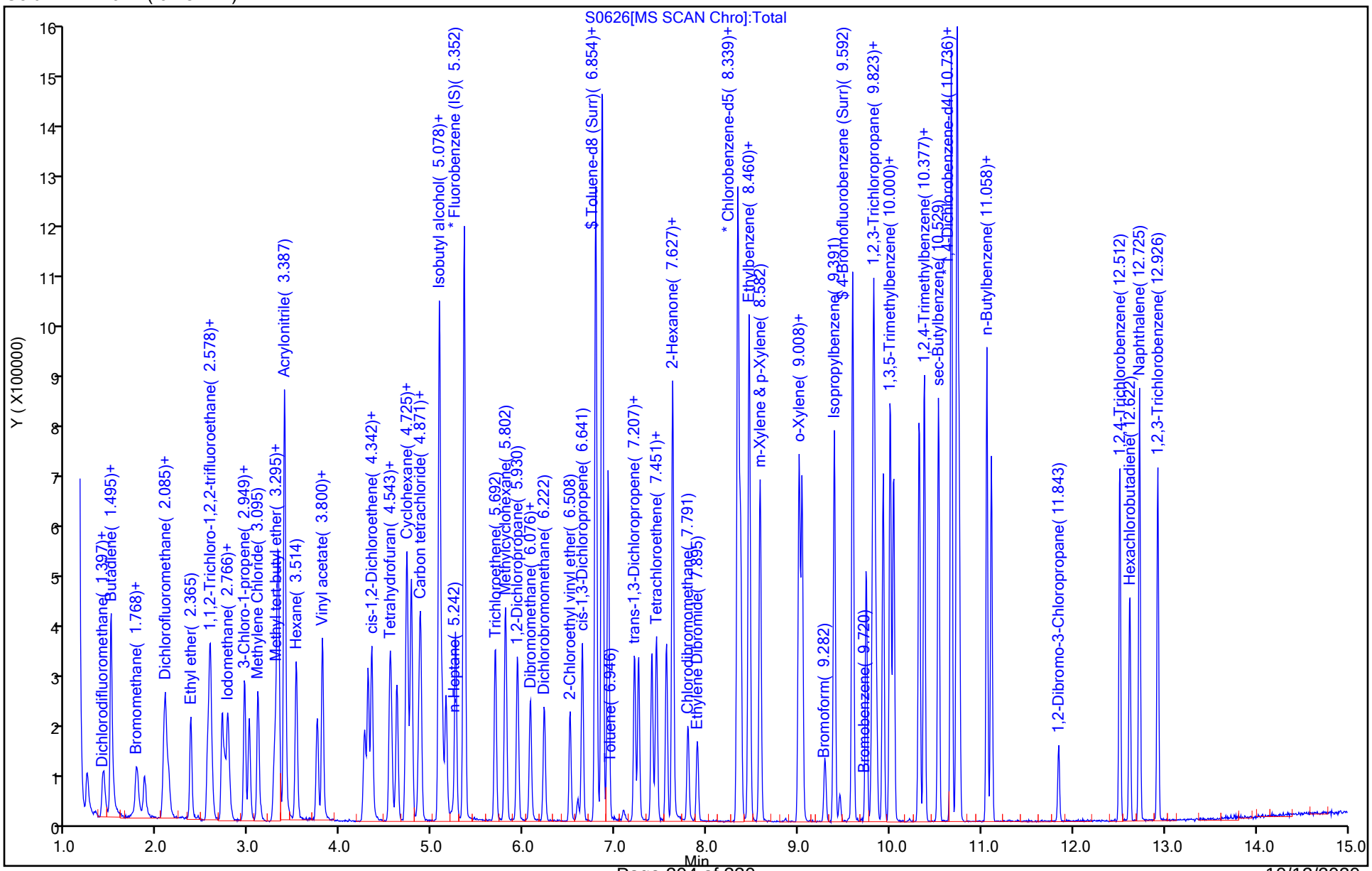
Report Date: 16-Aug-2020 16:29:03 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0626.D

Injection Date:	14-Aug-2020 15:09:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0627.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 14-Aug-2020 15:32:30 ALS Bottle#: 8 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0092768-012
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:29:08 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:09:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	183428	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	379538	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	61	360857	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	55	222726	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	50	149784	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	85	896312	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	279740	25.0	24.7	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	88	314775	25.0	24.8	
12 Chloromethane	50	1.410	1.410	0.000	100	360196	25.0	25.2	
151 Butadiene	54	1.489	1.489	0.000	68	327911	25.0	24.0	
13 Vinyl chloride	62	1.501	1.501	0.000	67	330408	25.0	26.0	
14 Bromomethane	94	1.775	1.775	0.000	91	205214	25.0	24.1	
15 Chloroethane	64	1.854	1.854	0.000	95	207662	25.0	24.6	
16 Dichlorofluoromethane	67	2.079	2.079	0.000	81	451247	25.0	25.0	
17 Trichlorofluoromethane	101	2.091	2.091	0.000	61	414337	25.0	25.2	
18 Ethyl ether	59	2.365	2.365	0.000	91	261503	25.0	25.0	
20 Acrolein	56	2.547	2.547	0.000	96	239891	125.0	121.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.572	2.572	0.000	58	218369	25.0	25.2	
22 1,1-Dichloroethene	96	2.578	2.578	0.000	88	210842	25.0	24.4	
23 Acetone	43	2.705	2.705	0.000	99	613944	125.0	116.0	
25 Iodomethane	142	2.736	2.736	0.000	99	374202	25.0	23.7	
26 Carbon disulfide	76	2.766	2.766	0.000	98	732874	25.0	24.4	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	87	428510	25.0	23.9	
27 Methyl acetate	43	3.003	3.003	0.000	95	556832	50.0	47.5	
30 Methylene Chloride	84	3.101	3.101	0.000	89	268997	25.0	25.9	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	94	404832	250.0	232.4	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	93	831298	25.0	24.2	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	92	247701	25.0	24.1	
33 Acrylonitrile	53	3.387	3.387	0.000	99	1419915	250.0	240.3	
35 Hexane	57	3.514	3.514	0.000	94	392074	25.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	85	453423	25.0	23.8	
37 Vinyl acetate	43	3.800	3.800	0.000	97	1235866	50.0	51.2	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	91	276818	25.0	26.1	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	80	283418	25.0	24.4	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	98	921524	125.0	117.7	
48 Chlorobromomethane	128	4.537	4.537	0.000	96	144412	25.0	24.1	
49 Tetrahydrofuran	42	4.555	4.555	0.000	88	251100	50.0	45.1	
50 Chloroform	83	4.616	4.616	0.000	80	451208	25.0	23.6	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	88	366707	25.0	24.4	
52 Cyclohexane	56	4.725	4.725	0.000	92	449706	25.0	24.2	
55 Carbon tetrachloride	117	4.859	4.859	0.000	77	293776	25.0	24.0	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	90	349146	25.0	24.4	
57 Benzene	78	5.078	5.078	0.000	97	1056027	25.0	23.9	
53 Isobutyl alcohol	43	5.108	5.108	0.000	91	370731	625.0	611.9	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	74	387583	25.0	23.3	
59 n-Heptane	43	5.254	5.254	0.000	93	409956	25.0	23.4	
62 Trichloroethene	95	5.686	5.686	0.000	93	270487	25.0	24.6	
64 Methylcyclohexane	83	5.802	5.802	0.000	91	453101	25.0	24.9	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	88	258712	25.0	23.8	
67 Dibromomethane	93	6.070	6.070	0.000	94	170555	25.0	24.5	
66 1,4-Dioxane	88	6.076	6.076	0.000	51	82757	500.0	476.9	
68 Dichlorobromomethane	83	6.222	6.222	0.000	92	335366	25.0	24.4	
69 2-Chloroethyl vinyl ether	63	6.508	6.508	0.000	93	201043	25.0	24.7	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	87	431563	25.0	24.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	1923739	125.0	122.7	
74 Toluene	92	6.921	6.921	0.000	88	686058	25.0	24.5	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	93	408271	25.0	24.6	
75 Ethyl methacrylate	69	7.256	7.256	0.000	74	377503	25.0	25.4	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	88	213472	25.0	23.9	
81 Tetrachloroethene	166	7.451	7.451	0.000	77	271227	25.0	24.0	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	94	448835	25.0	24.8	
80 2-Hexanone	43	7.627	7.627	0.000	97	1346158	125.0	124.5	
83 Chlorodibromomethane	129	7.797	7.797	0.000	87	242139	25.0	24.4	
84 Ethylene Dibromide	107	7.895	7.895	0.000	98	269841	25.0	24.8	
87 Chlorobenzene	112	8.369	8.369	0.000	93	758614	25.0	24.8	
88 Ethylbenzene	91	8.460	8.460	0.000	99	1276811	25.0	24.4	
89 1,1,1,2-Tetrachloroethane	131	8.467	8.467	0.000	42	241787	25.0	24.9	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	98	495155	25.0	24.8	
91 o-Xylene	106	9.008	9.008	0.000	97	498696	25.0	24.7	
92 Styrene	104	9.038	9.038	0.000	93	843283	25.0	25.2	
95 Bromoform	173	9.288	9.288	0.000	94	151232	25.0	23.8	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1313915	25.0	25.2	
101 Bromobenzene	156	9.744	9.744	0.000	94	320459	25.0	25.2	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	92	366849	25.0	24.7	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	1586332	25.0	25.4	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	64	123572	25.0	24.2	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	85	131133	25.0	25.5	
103 2-Chlorotoluene	126	9.927	9.927	0.000	95	314318	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	10.006	10.006	0.000	94	1121027	25.0	25.0	
105 4-Chlorotoluene	126	10.036	10.036	0.000	98	321345	25.0	25.1	
106 tert-Butylbenzene	134	10.322	10.322	0.000	91	244371	25.0	25.5	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	39	1151477	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	95	1434074	25.0	25.4	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	70	625776	25.0	24.7	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	97	1246397	25.0	25.4	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	645492	25.0	24.7	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	1127347	25.0	25.5	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	91	630555	25.0	25.1	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	71	73025	25.0	24.9	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	93	462054	25.0	25.3	
120 Hexachlorobutadiene	225	12.622	12.622	0.000	97	189255	25.0	25.6	
121 Naphthalene	128	12.725	12.725	0.000	97	1411981	25.0	25.9	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	94	449202	25.0	25.3	

Reagents:

GAS CORP mix_00413	Amount Added: 12.50	Units: uL	
8260 CORP mix_00191	Amount Added: 12.50	Units: uL	
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added: 1.00	Units: uL	Run Reagent

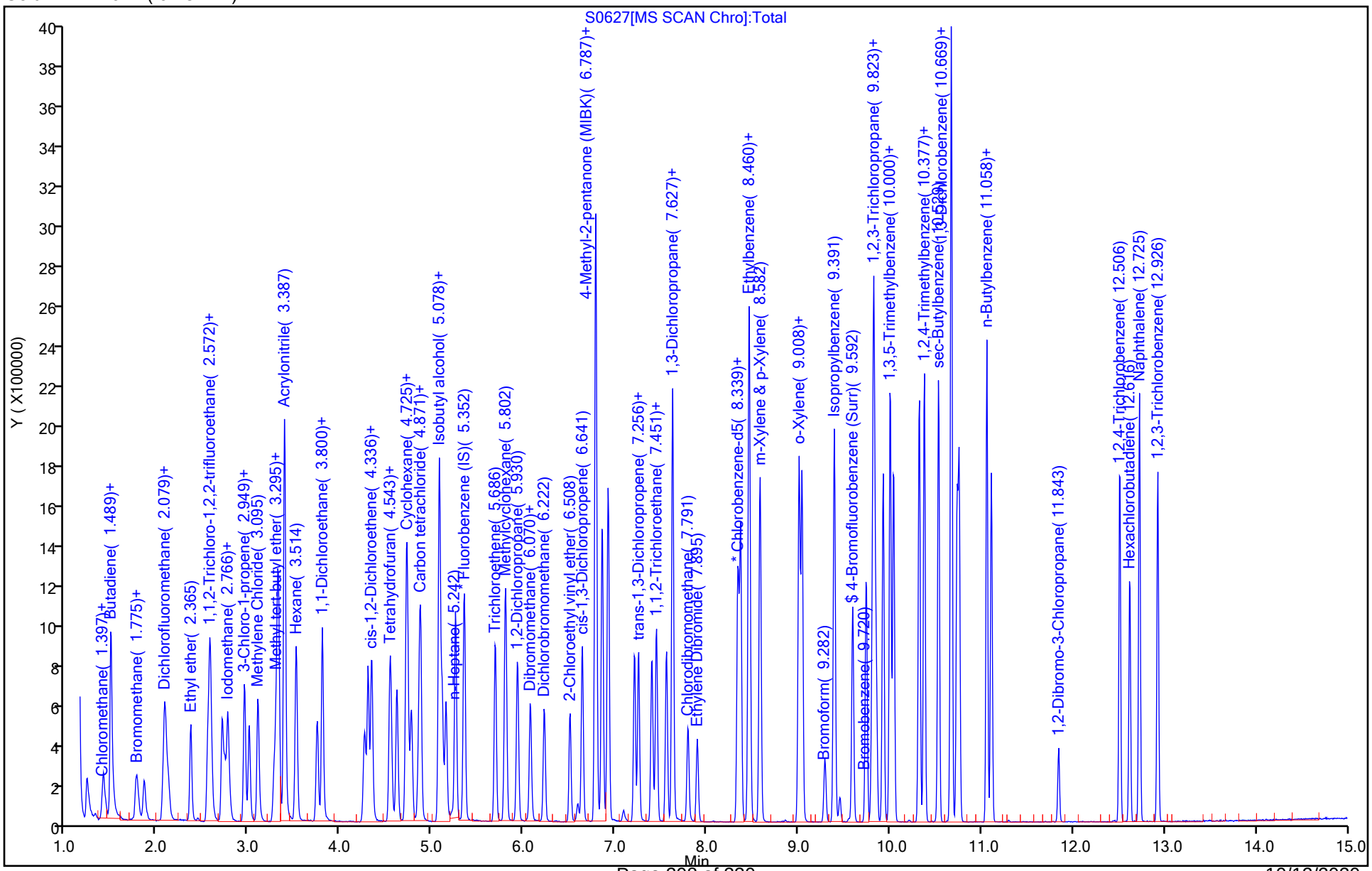
Report Date: 16-Aug-2020 16:29:10 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0627.D

Injection Date:	14-Aug-2020 15:32:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0628.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Aug-2020 15:55:30 ALS Bottle#: 9 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0092768-013
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:29:14 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:25:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	186767	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	84	385457	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	49	370729	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	57	222089	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	45	150228	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.860	6.854	0.006	53	921240	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	293662	25.0	25.5	
10 Dichlorodifluoromethane	85	1.239	1.233	0.006	99	682611	50.0	52.8	
12 Chloromethane	50	1.416	1.410	0.006	82	706241	50.0	48.5	
151 Butadiene	54	1.495	1.489	0.006	92	687458	50.0	49.5	
13 Vinyl chloride	62	1.507	1.501	0.006	60	653643	50.0	50.4	
14 Bromomethane	94	1.781	1.775	0.006	91	403318	50.0	46.6	
15 Chloroethane	64	1.860	1.854	0.006	94	399135	50.0	46.5	
16 Dichlorofluoromethane	67	2.085	2.079	0.006	82	904119	50.0	49.2	
17 Trichlorofluoromethane	101	2.097	2.091	0.006	62	836161	50.0	50.0	
18 Ethyl ether	59	2.365	2.365	0.000	91	532982	50.0	50.1	
20 Acrolein	56	2.547	2.547	0.000	99	480788	250.0	238.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.578	2.572	0.006	59	474658	50.0	53.8	
22 1,1-Dichloroethene	96	2.578	2.578	0.000	87	457925	50.0	52.1	
23 Acetone	43	2.711	2.705	0.006	98	1256902	250.0	233.2	
25 Iodomethane	142	2.742	2.736	0.006	99	784664	50.0	48.8	
26 Carbon disulfide	76	2.772	2.766	0.006	98	1590472	50.0	52.0	
28 3-Chloro-1-propene	41	2.955	2.949	0.006	87	907084	50.0	49.6	
27 Methyl acetate	43	3.003	3.003	0.000	96	1133968	100.0	95.1	
30 Methylene Chloride	84	3.101	3.101	0.000	91	538088	50.0	51.6	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	96	894454	500.0	504.3	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	93	1729252	50.0	49.4	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	93	534137	50.0	51.0	
33 Acrylonitrile	53	3.387	3.387	0.000	99	2939169	500.0	488.4	
35 Hexane	57	3.514	3.514	0.000	94	897057	50.0	54.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	85	970096	50.0	50.0	
37 Vinyl acetate	43	3.800	3.800	0.000	97	2788230	100.0	113.5	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	92	568720	50.0	52.6	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	80	596284	50.0	50.5	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	94	1948472	250.0	244.4	
48 Chlorobromomethane	128	4.536	4.537	-0.001	94	310221	50.0	50.8	
49 Tetrahydrofuran	42	4.549	4.555	-0.006	86	525989	100.0	92.8	
50 Chloroform	83	4.616	4.616	0.000	80	961056	50.0	49.4	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	81	804498	50.0	52.5	
52 Cyclohexane	56	4.725	4.725	0.000	93	1022511	50.0	54.1	
55 Carbon tetrachloride	117	4.859	4.859	0.000	81	678069	50.0	54.4	
54 1,1-Dichloropropene	75	4.877	4.871	0.006	92	772425	50.0	53.0	
57 Benzene	78	5.078	5.078	0.000	98	2306341	50.0	51.3	
53 Isobutyl alcohol	43	5.108	5.108	0.000	92	857539	1250.0	1390.0	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	73	824961	50.0	48.7	
59 n-Heptane	43	5.254	5.254	0.000	95	949473	50.0	53.1	
62 Trichloroethene	95	5.686	5.686	0.000	93	576628	50.0	51.4	
64 Methylcyclohexane	83	5.802	5.802	0.000	92	1031619	50.0	55.7	
65 1,2-Dichloropropane	63	5.936	5.930	0.006	89	568199	50.0	51.3	
67 Dibromomethane	93	6.069	6.070	-0.001	93	364584	50.0	51.4	
66 1,4-Dioxane	88	6.076	6.076	0.000	53	184721	1000.0	1048.2	
68 Dichlorobromomethane	83	6.222	6.222	0.000	92	725926	50.0	51.9	
69 2-Chloroethyl vinyl ether	63	6.507	6.508	-0.001	92	442760	50.0	53.4	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	87	929387	50.0	52.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	4147570	250.0	260.5	
74 Toluene	92	6.921	6.921	0.000	90	1487393	50.0	52.4	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	94	912439	50.0	54.1	
75 Ethyl methacrylate	69	7.256	7.256	0.000	73	847070	50.0	56.0	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	87	446253	50.0	49.2	
81 Tetrachloroethene	166	7.450	7.451	-0.001	78	609481	50.0	53.1	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	95	943914	50.0	51.3	
80 2-Hexanone	43	7.627	7.627	0.000	97	2901874	250.0	264.2	
83 Chlorodibromomethane	129	7.797	7.797	0.000	85	534730	50.0	53.0	
84 Ethylene Dibromide	107	7.895	7.895	0.000	99	567422	50.0	51.4	
87 Chlorobenzene	112	8.369	8.369	0.000	93	1638350	50.0	52.7	
88 Ethylbenzene	91	8.460	8.460	0.000	98	2844287	50.0	53.5	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.467	0.000	40	521438	50.0	52.8	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	99	1108822	50.0	54.8	
91 o-Xylene	106	9.008	9.008	0.000	98	1083037	50.0	52.8	
92 Styrene	104	9.038	9.038	0.000	94	1812011	50.0	53.4	
95 Bromoform	173	9.288	9.288	0.000	93	350607	50.0	54.4	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	2911734	50.0	54.4	
101 Bromobenzene	156	9.738	9.744	-0.006	96	693527	50.0	53.2	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	82	774477	50.0	50.7	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	3471245	50.0	54.1	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	62	257260	50.0	49.0	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.854	-0.001	85	281084	50.0	53.3	
103 2-Chlorotoluene	126	9.926	9.927	-0.001	96	668941	50.0	52.0	
102 1,3,5-Trimethylbenzene	105	10.006	10.006	0.000	94	2478356	50.0	53.8	
105 4-Chlorotoluene	126	10.042	10.036	0.006	98	689172	50.0	52.3	
106 tert-Butylbenzene	134	10.322	10.322	0.000	91	525613	50.0	53.3	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	39	2502167	50.0	54.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	3208732	50.0	55.3	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	70	1351059	50.0	51.9	
110 4-Isopropyltoluene	119	10.675	10.669	0.006	97	2828708	50.0	56.0	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	92	1358257	50.0	50.6	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	2558209	50.0	56.2	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	91	1339029	50.0	51.9	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	79	155603	50.0	51.6	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	92	1000919	50.0	53.4	
120 Hexachlorobutadiene	225	12.621	12.622	-0.001	95	410573	50.0	54.1	
121 Naphthalene	128	12.725	12.725	0.000	97	3000277	50.0	53.6	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	96	959067	50.0	52.5	
S 126 1,3-Dichloropropene, Total	1				0			106.7	
S 124 Xylenes, Total	1				0			107.5	
S 125 1,2-Dichloroethene, Total	1				0			101.5	
S 123 Total BTEX	1				0			264.7	

Reagents:

GAS CORP mix_00413	Amount Added: 25.00	Units: uL	
8260 CORP mix_00191	Amount Added: 25.00	Units: uL	
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 16-Aug-2020 16:29:15 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0628.D

Injection Date: 14-Aug-2020 15:55:30 Instrument ID: HP5973S Operator ID: LH

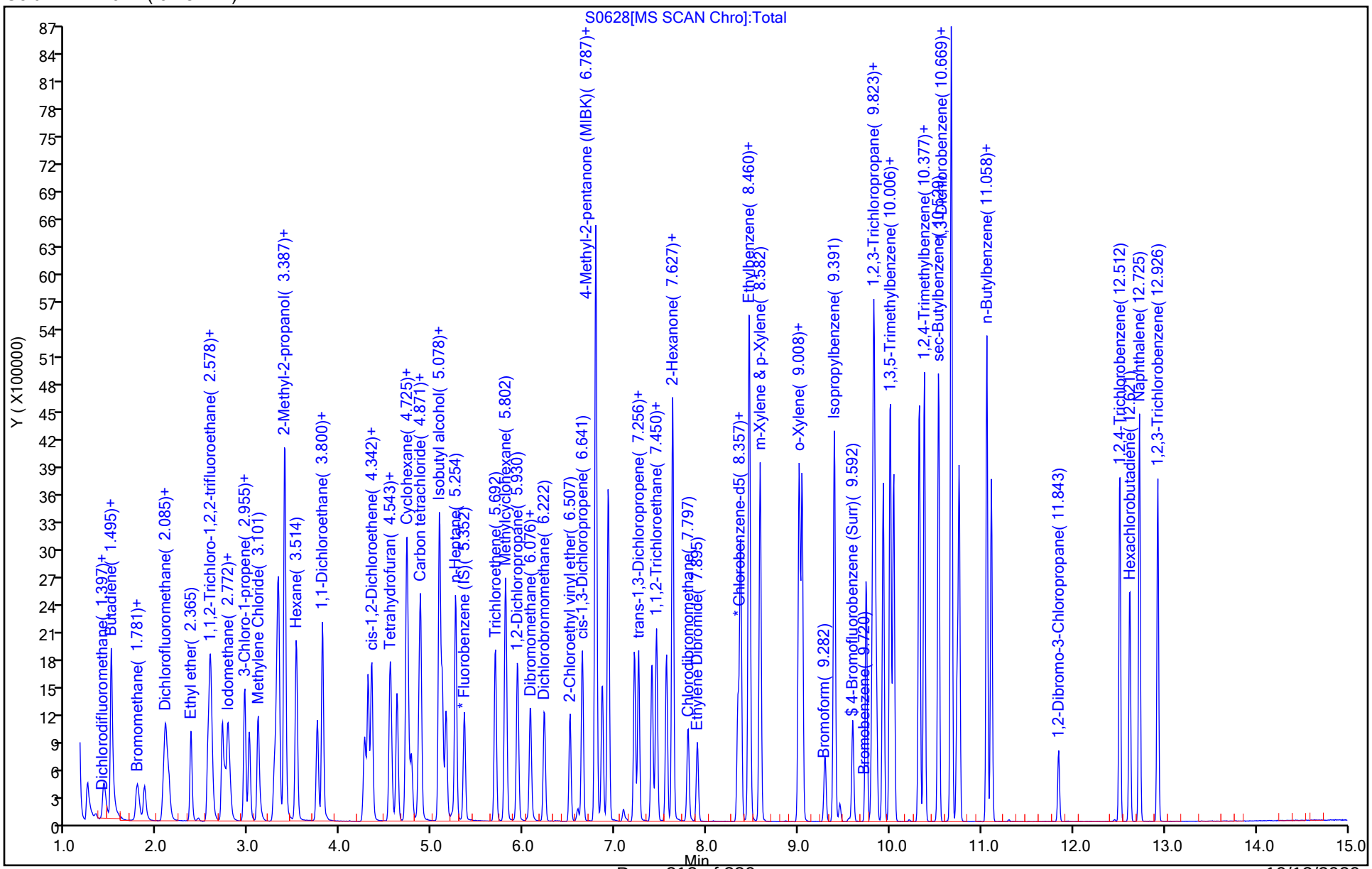
Lims ID: IC 6 Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 9

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0629.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 14-Aug-2020 16:18:30 ALS Bottle#: 10 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0092768-014
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:29:20 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:25:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	189444	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	88	399091	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	32	376111	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	56	221777	25.0	24.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	35	150729	25.0	24.3	
$ 5 Toluene-d8 (Surr)	98	6.860	6.854	0.006	29	936172	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	294059	25.0	24.7	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	88	1269404	100.0	96.8	
12 Chloromethane	50	1.410	1.410	0.000	88	1364240	100.0	92.3	
151 Butadiene	54	1.495	1.489	0.006	65	1280322	100.0	90.9	
13 Vinyl chloride	62	1.507	1.501	0.006	72	1264056	100.0	96.2	
14 Bromomethane	94	1.781	1.775	0.006	92	767846	100.0	87.5	
15 Chloroethane	64	1.860	1.854	0.006	95	777727	100.0	89.4	
16 Dichlorofluoromethane	67	2.085	2.079	0.006	82	1746983	100.0	93.8	
17 Trichlorofluoromethane	101	2.103	2.091	0.012	76	1553903	100.0	91.6	
18 Ethyl ether	59	2.365	2.365	0.000	92	1032697	100.0	95.7	
20 Acrolein	56	2.547	2.547	0.000	97	967281	500.0	472.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.571	2.572	-0.001	64	804379	100.0	89.9	
22 1,1-Dichloroethene	96	2.578	2.578	0.000	88	797836	100.0	89.5	
23 Acetone	43	2.705	2.705	0.000	98	2470776	500.0	452.0	
25 Iodomethane	142	2.736	2.736	0.000	100	1469813	100.0	90.1	
26 Carbon disulfide	76	2.772	2.766	0.006	98	2818535	100.0	90.9	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	86	1664864	100.0	89.7	
27 Methyl acetate	43	3.003	3.003	0.000	96	2249823	200.0	185.9	
30 Methylene Chloride	84	3.101	3.101	0.000	91	1023113	100.0	97.4	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	96	1794604	1000.0	997.4	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	92	3357573	100.0	94.5	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	93	981522	100.0	92.5	
33 Acrylonitrile	53	3.387	3.387	0.000	99	5851641	1000.0	958.7	
35 Hexane	57	3.514	3.514	0.000	93	1480794	100.0	88.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	85	1807109	100.0	91.9	
37 Vinyl acetate	43	3.800	3.800	0.000	97	5838935	200.0	234.4	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	91	965241	100.0	88.1	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	67	1129888	100.0	94.3	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	98	3923889	500.0	485.2	
48 Chlorobromomethane	128	4.536	4.537	-0.001	93	591667	100.0	95.5	
49 Tetrahydrofuran	42	4.549	4.555	-0.006	86	1027649	200.0	178.7	
50 Chloroform	83	4.616	4.616	0.000	81	1815505	100.0	92.0	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	93	1451968	100.0	93.4	
52 Cyclohexane	56	4.725	4.725	0.000	92	1725587	100.0	90.0	
55 Carbon tetrachloride	117	4.859	4.859	0.000	79	1232612	100.0	97.4	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	92	1374432	100.0	93.1	
57 Benzene	78	5.078	5.078	0.000	97	4344603	100.0	95.3	
53 Isobutyl alcohol	43	5.108	5.108	0.000	93	1900194	2500.0	3036.5	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	73	1609706	100.0	93.6	
59 n-Heptane	43	5.254	5.254	0.000	93	1566169	100.0	86.4	
62 Trichloroethene	95	5.686	5.686	0.000	92	1069638	100.0	94.0	
64 Methylcyclohexane	83	5.802	5.802	0.000	93	1709840	100.0	91.0	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	89	1093004	100.0	97.2	
67 Dibromomethane	93	6.070	6.070	0.000	91	708003	100.0	98.4	
66 1,4-Dioxane	88	6.082	6.076	0.006	61	342266	2000.0	1875.9	
68 Dichlorobromomethane	83	6.222	6.222	0.000	93	1426662	100.0	100.5	
69 2-Chloroethyl vinyl ether	63	6.508	6.508	0.000	94	892785	100.0	106.1	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	88	1828887	100.0	101.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	8273418	500.0	501.9	
74 Toluene	92	6.921	6.921	0.000	98	2820456	100.0	95.9	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	94	1809401	100.0	103.7	
75 Ethyl methacrylate	69	7.256	7.256	0.000	73	1762023	100.0	112.6	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	87	881165	100.0	93.8	
81 Tetrachloroethene	166	7.451	7.451	-0.001	78	1085652	100.0	91.3	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	95	1859241	100.0	97.6	
80 2-Hexanone	43	7.627	7.627	0.000	98	5832336	500.0	512.8	
83 Chlorodibromomethane	129	7.797	7.797	0.000	87	1111434	100.0	106.4	
84 Ethylene Dibromide	107	7.895	7.895	0.000	99	1134316	100.0	99.3	
87 Chlorobenzene	112	8.369	8.369	0.000	93	3122196	100.0	96.9	
88 Ethylbenzene	91	8.460	8.460	0.000	99	5397317	100.0	98.0	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.467	0.000	41	1041524	100.0	101.9	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	99	2096801	100.0	100.0	
91 o-Xylene	106	9.008	9.008	0.000	98	2045790	100.0	96.3	
92 Styrene	104	9.038	9.038	0.000	94	3569122	100.0	101.5	
95 Bromoform	173	9.288	9.288	0.000	94	743164	100.0	111.4	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	5367336	100.0	98.8	
101 Bromobenzene	156	9.744	9.744	0.000	94	1341652	100.0	101.4	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	82	1537540	100.0	99.3	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	6485930	100.0	99.6	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	60	507228	100.0	95.3	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	69	568353	100.0	106.2	
103 2-Chlorotoluene	126	9.927	9.927	0.000	93	1241009	100.0	95.0	
102 1,3,5-Trimethylbenzene	105	10.006	10.006	0.000	93	4713019	100.0	100.8	
105 4-Chlorotoluene	126	10.042	10.036	0.006	80	1329493	100.0	99.4	
106 tert-Butylbenzene	134	10.322	10.322	0.000	90	971327	100.0	97.1	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	41	4784673	100.0	102.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	5897038	100.0	100.1	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	71	2598033	100.0	98.3	
110 4-Isopropyltoluene	119	10.675	10.669	0.006	97	5199241	100.0	101.5	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	2646212	100.0	97.2	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	4631243	100.0	100.4	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	91	2580226	100.0	98.6	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	84	322309	100.0	105.4	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	93	1895010	100.0	99.6	
120 Hexachlorobutadiene	225	12.622	12.622	0.000	96	738162	100.0	95.9	
121 Naphthalene	128	12.725	12.725	0.000	97	5876002	100.0	103.4	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	92	1796326	100.0	97.0	
S 126 1,3-Dichloropropene, Total	1				0			205.6	
S 124 Xylenes, Total	1				0			196.3	
S 125 1,2-Dichloroethene, Total	1				0			186.7	
S 123 Total BTEX	1				0			485.5	

Reagents:

GAS CORP mix_00413	Amount Added: 50.00	Units: uL	
8260 CORP mix_00191	Amount Added: 50.00	Units: uL	
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added: 1.00	Units: uL	Run Reagent

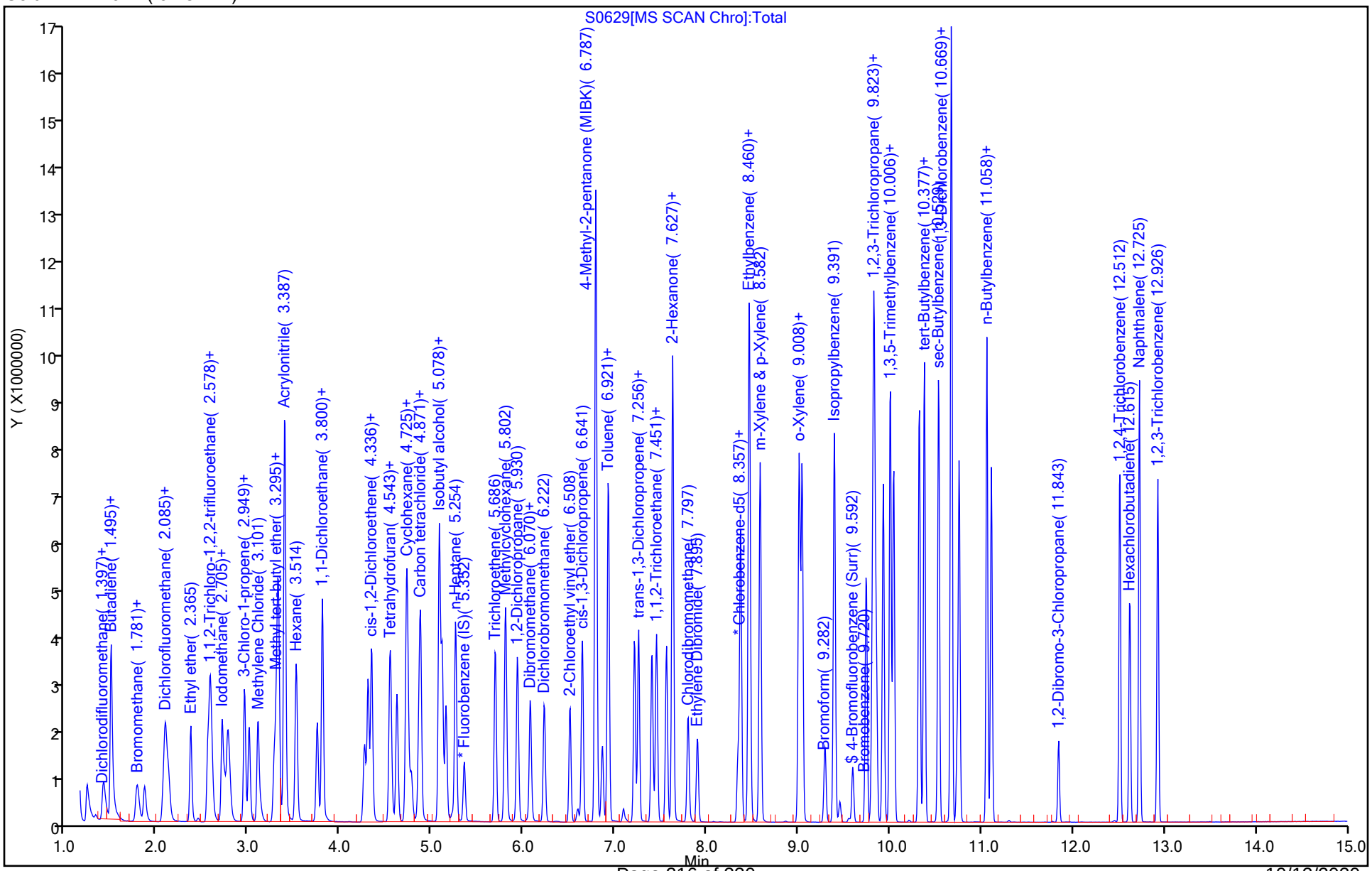
Report Date: 16-Aug-2020 16:29:22 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0629.D

Injection Date:	14-Aug-2020 16:18:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab Sample ID: ICV 480-548703/29 Calibration Date: 09/09/2020 23:47

Instrument ID: HP5973N Calib Start Date: 09/09/2020 15:22

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/09/2020 18:11

Lab File ID: N5738.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.329	1.424	0.1000	26.8	25.0	7.1	50.0
Chloromethane	Ave	2.841	2.779	0.1000	24.4	25.0	-2.2	30.0
Vinyl chloride	Ave	1.857	1.860	0.1000	25.0	25.0	0.2	30.0
Butadiene	Ave	2.716	2.547		23.4	25.0	-6.2	30.0
Bromomethane	Ave	1.076	1.033	0.1000	24.0	25.0	-4.0	50.0
Chloroethane	Ave	1.141	1.113	0.1000	24.4	25.0	-2.4	50.0
Dichlorofluoromethane	Ave	2.321	2.231		24.0	25.0	-3.9	30.0
Trichlorofluoromethane	Ave	1.864	1.940	0.1000	26.0	25.0	4.1	30.0
Ethyl ether	Ave	1.880	1.857		24.7	25.0	-1.2	30.0
Acrolein	Ave	0.2954	0.1552		65.7	125	-47.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.094	1.058	0.1000	24.2	25.0	-3.4	30.0
1,1-Dichloroethene	Ave	1.153	1.123	0.1000	24.4	25.0	-2.6	30.0
Acetone	Ave	0.8874	0.9126	0.1000	129	125	2.8	50.0
Iodomethane	Ave	2.252	2.190		24.3	25.0	-2.7	30.0
Carbon disulfide	Ave	4.005	3.743	0.1000	23.4	25.0	-6.5	30.0
Allyl chloride	Ave	3.920	3.682		23.5	25.0	-6.1	30.0
Methyl acetate	Ave	2.513	2.309	0.1000	45.9	50.0	-8.2	50.0
Methylene Chloride	Ave	1.529	1.444	0.1000	23.6	25.0	-5.5	30.0
2-Methyl-2-propanol	Ave	0.2048	0.1866		228	250	-8.9	50.0
Methyl tert-butyl ether	Ave	4.264	4.234	0.1000	24.8	25.0	-0.7	30.0
trans-1,2-Dichloroethene	Ave	1.380	1.356	0.1000	24.6	25.0	-1.7	30.0
Acrylonitrile	Ave	1.209	1.154		238	250	-4.6	30.0
Hexane	Ave	2.700	2.424		22.4	25.0	-10.2	30.0
1,1-Dichloroethane	Ave	3.100	2.960	0.2000	23.9	25.0	-4.5	30.0
Vinyl acetate	Ave	5.522	5.084		46.0	50.0	-7.9	30.0
2,2-Dichloropropane	Ave	1.218	1.072		22.0	25.0	-12.0	30.0
cis-1,2-Dichloroethene	Ave	1.539	1.501	0.1000	24.4	25.0	-2.4	30.0
2-Butanone (MEK)	Ave	1.468	1.410	0.1000	120	125	-4.0	30.0
Chlorobromomethane	Ave	0.7850	0.7942		25.3	25.0	1.2	30.0
Tetrahydrofuran	Ave	1.056	0.9553		45.2	50.0	-9.5	30.0
Chloroform	Ave	2.578	2.368	0.2000	23.0	25.0	-8.1	30.0
1,1,1-Trichloroethane	Ave	2.024	1.907	0.1000	23.6	25.0	-5.8	30.0
Cyclohexane	Ave	3.441	3.281	0.1000	23.8	25.0	-4.7	30.0
Carbon tetrachloride	Ave	1.713	1.636	0.1000	23.9	25.0	-4.5	30.0
1,1-Dichloropropene	Ave	1.800	1.626		22.6	25.0	-9.7	30.0
Benzene	Ave	5.480	5.149	0.5000	23.5	25.0	-6.0	30.0
Isobutyl alcohol	Ave	0.1194	0.1055		552	625	-11.7	50.0
1,2-Dichloroethane	Ave	2.713	2.507	0.1000	23.1	25.0	-7.6	30.0
n-Heptane	Ave	3.333	2.832		21.2	25.0	-15.0	30.0
Trichloroethene	Ave	1.443	1.329	0.2000	23.0	25.0	-7.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab Sample ID: ICV 480-548703/29 Calibration Date: 09/09/2020 23:47

Instrument ID: HP5973N Calib Start Date: 09/09/2020 15:22

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/09/2020 18:11

Lab File ID: N5738.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.197	2.004	0.1000	22.8	25.0	-8.8	30.0
1,2-Dichloropropane	Ave	1.704	1.649	0.1000	24.2	25.0	-3.2	30.0
1,4-Dioxane	Ave	0.0029	0.0024		414	500	-17.3	50.0
Dibromomethane	Ave	0.8601	0.8587	0.1000	25.0	25.0	-0.2	30.0
Bromodichloromethane	Ave	1.769	1.737	0.2000	24.5	25.0	-1.8	30.0
2-Chloroethyl vinyl ether	Ave	1.142	1.096		24.0	25.0	-4.0	30.0
cis-1,3-Dichloropropene	Ave	2.088	2.026	0.2000	24.3	25.0	-3.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2718	0.2733	0.1000	126	125	0.5	30.0
Toluene	Ave	0.9223	0.9078	0.4000	24.6	25.0	-1.6	30.0
trans-1,3-Dichloropropene	Ave	0.5207	0.4931	0.1000	23.7	25.0	-5.3	30.0
Ethyl methacrylate	Ave	0.4796	0.4926		25.7	25.0	2.7	30.0
1,1,2-Trichloroethane	Ave	0.2807	0.2733	0.1000	24.3	25.0	-2.6	30.0
Tetrachloroethene	Ave	0.4072	0.3779	0.2000	23.2	25.0	-7.2	30.0
1,3-Dichloropropane	Ave	0.5742	0.5521		24.0	25.0	-3.8	30.0
2-Hexanone	Ave	0.5855	0.5861	0.1000	125	125	0.1	30.0
Dibromochloromethane	Ave	0.3574	0.3731	0.1000	26.1	25.0	4.4	30.0
1,2-Dibromoethane	Ave	0.3709	0.3695		24.9	25.0	-0.4	30.0
Chlorobenzene	Ave	1.056	1.024	0.5000	24.2	25.0	-3.1	30.0
Ethylbenzene	Ave	1.673	1.637	0.1000	24.5	25.0	-2.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3753	0.3809		25.4	25.0	1.5	30.0
m,p-Xylene	Ave	0.6602	0.6602	0.1000	25.0	25.0	0.0	30.0
o-Xylene	Ave	0.6644	0.6651	0.3000	25.0	25.0	0.1	30.0
Styrene	Ave	1.072	1.079	0.3000	25.2	25.0	0.6	30.0
Bromoform	Ave	0.2190	0.2221	0.1000	25.4	25.0	1.4	50.0
Isopropylbenzene	Ave	3.031	3.214	0.1000	26.5	25.0	6.1	30.0
Bromobenzene	Ave	0.8157	0.8319		25.5	25.0	2.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9258	0.9226	0.3000	24.9	25.0	-0.3	30.0
N-Propylbenzene	Ave	3.494	3.547		25.4	25.0	1.5	30.0
1,2,3-Trichloropropane	Ave	0.2913	0.3036		26.1	25.0	4.2	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.3741		25.1	25.0	0.4	50.0
2-Chlorotoluene	Ave	0.7714	0.7773		25.2	25.0	0.8	30.0
1,3,5-Trimethylbenzene	Ave	2.577	2.679		26.0	25.0	4.0	30.0
4-Chlorotoluene	Ave	2.224	2.280		25.6	25.0	2.5	30.0
tert-Butylbenzene	Ave	0.5861	0.5950		25.4	25.0	1.5	30.0
1,2,4-Trimethylbenzene	Ave	2.631	2.790		26.5	25.0	6.0	30.0
sec-Butylbenzene	Ave	3.184	3.291		25.8	25.0	3.4	30.0
4-Isopropyltoluene	Ave	2.937	3.105		26.4	25.0	5.7	30.0
1,3-Dichlorobenzene	Ave	1.605	1.583	0.6000	24.7	25.0	-1.4	30.0
1,4-Dichlorobenzene	Ave	1.629	1.671	0.5000	25.6	25.0	2.6	30.0
n-Butylbenzene	Ave	2.363	2.425		25.7	25.0	2.6	30.0
1,2-Dichlorobenzene	Ave	1.615	1.627	0.4000	25.2	25.0	0.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab Sample ID: ICV 480-548703/29 Calibration Date: 09/09/2020 23:47

Instrument ID: HP5973N Calib Start Date: 09/09/2020 15:22

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/09/2020 18:11

Lab File ID: N5738.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1601	0.1651	0.0500	25.8	25.0	3.1	50.0
1,2,4-Trichlorobenzene	Ave	1.022	1.039	0.2000	25.4	25.0	1.7	30.0
Hexachlorobutadiene	Ave	0.4458	0.4526		25.4	25.0	1.5	30.0
Naphthalene	Ave	2.888	3.190		27.6	25.0	10.5	30.0
1,2,3-Trichlorobenzene	Ave	0.9513	1.040		27.3	25.0	9.3	30.0
Dibromofluoromethane (Surr)	Ave	1.362	1.315		24.1	25.0	-3.5	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.823	1.736		23.8	25.0	-4.8	30.0
Toluene-d8 (Surr)	Ave	1.367	1.358		24.8	25.0	-0.7	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4102	0.3977		24.2	25.0	-3.1	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5738.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 09-Sep-2020 23:47:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0093301-029
Operator ID: LH Instrument ID: HP5973N
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Sep-2020 13:25:54 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1030

First Level Reviewer: moffata Date: 10-Sep-2020 11:57:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.695	5.695	0.000	97	192252	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	90	677454	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	95	359397	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.000	94	252758	25.0	24.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.422	5.421	0.001	96	333809	25.0	23.8	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	919680	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	88	269393	25.0	24.2	
11 Dichlorodifluoromethane	85	1.376	1.376	0.000	97	273691	25.0	26.8	
13 Chloromethane	50	1.565	1.564	0.001	99	534226	25.0	24.4	
14 Vinyl chloride	62	1.674	1.674	0.000	52	357534	25.0	25.0	
144 Butadiene	54	1.680	1.674	0.006	94	489707	25.0	23.4	
15 Bromomethane	94	2.003	1.996	0.007	91	198506	25.0	24.0	
16 Chloroethane	64	2.100	2.100	0.000	95	213921	25.0	24.4	
17 Dichlorofluoromethane	67	2.337	2.337	0.000	95	428820	25.0	24.0	
18 Trichlorofluoromethane	101	2.343	2.343	0.000	65	373022	25.0	26.0	
19 Ethyl ether	59	2.641	2.641	0.000	93	356988	25.0	24.7	
20 Acrolein	56	2.830	2.836	-0.006	99	149217	125.0	65.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.866	2.866	0.000	90	203322	25.0	24.2	
22 1,1-Dichloroethene	96	2.873	2.872	0.000	91	215968	25.0	24.4	
23 Acetone	43	3.000	2.994	0.006	97	877210	125.0	128.5	
24 Iodomethane	142	3.037	3.037	0.000	99	421062	25.0	24.3	
25 Carbon disulfide	76	3.079	3.073	0.006	98	719669	25.0	23.4	
27 3-Chloro-1-propene	41	3.256	3.256	0.000	87	707859	25.0	23.5	
28 Methyl acetate	43	3.304	3.304	0.000	99	887628	50.0	45.9	
30 Methylene Chloride	84	3.408	3.408	0.000	89	277663	25.0	23.6	
31 2-Methyl-2-propanol	59	3.578	3.578	0.000	94	358696	250.0	227.7	
32 Methyl tert-butyl ether	73	3.621	3.621	0.000	95	814085	25.0	24.8	
33 trans-1,2-Dichloroethene	96	3.645	3.645	0.000	90	260736	25.0	24.6	
34 Acrylonitrile	53	3.700	3.700	0.000	99	2217679	250.0	238.4	
35 Hexane	57	3.840	3.840	0.000	95	465944	25.0	22.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	4.071	4.071	0.000	96	569103	25.0	23.9	
39 Vinyl acetate	43	4.120	4.120	0.000	96	1954753	50.0	46.0	
42 2,2-Dichloropropane	77	4.600	4.600	0.000	83	206124	25.0	22.0	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	86	288613	25.0	24.4	
44 2-Butanone (MEK)	43	4.667	4.667	0.000	96	1355034	125.0	120.0	
47 Chlorobromomethane	128	4.874	4.874	0.000	86	152691	25.0	25.3	
49 Tetrahydrofuran	42	4.892	4.892	0.000	92	367300	50.0	45.2	
50 Chloroform	83	4.953	4.953	0.000	96	455342	25.0	23.0	
51 1,1,1-Trichloroethane	97	5.069	5.069	0.000	96	366667	25.0	23.6	
52 Cyclohexane	56	5.075	5.075	0.000	93	630856	25.0	23.8	
53 Carbon tetrachloride	117	5.209	5.209	0.001	93	314450	25.0	23.9	
54 1,1-Dichloropropene	75	5.221	5.221	0.000	83	312534	25.0	22.6	
55 Benzene	78	5.428	5.428	0.000	93	989966	25.0	23.5	
56 Isobutyl alcohol	43	5.434	5.434	0.000	92	507150	625.0	552.2	
57 1,2-Dichloroethane	62	5.495	5.494	0.001	95	481929	25.0	23.1	
59 n-Heptane	43	5.598	5.598	0.000	95	544539	25.0	21.2	
60 Trichloroethene	95	6.042	6.042	0.000	94	255570	25.0	23.0	
62 Methylcyclohexane	83	6.164	6.158	0.006	93	385332	25.0	22.8	
63 1,2-Dichloropropane	63	6.285	6.285	0.000	88	317041	25.0	24.2	
66 1,4-Dioxane	88	6.425	6.425	0.000	36	32992	500.0	413.7	
64 Dibromomethane	93	6.425	6.425	0.000	93	165092	25.0	25.0	
67 Dichlorobromomethane	83	6.571	6.577	-0.006	96	333915	25.0	24.5	
69 2-Chloroethyl vinyl ether	63	6.851	6.845	0.006	84	210747	25.0	24.0	
71 cis-1,3-Dichloropropene	75	6.991	6.991	0.000	84	389479	25.0	24.3	
72 4-Methyl-2-pentanone (MIBK)	58	7.131	7.131	0.000	98	925598	125.0	125.7	
73 Toluene	92	7.283	7.283	0.000	97	614989	25.0	24.6	
75 trans-1,3-Dichloropropene	75	7.563	7.563	0.000	96	334020	25.0	23.7	
77 Ethyl methacrylate	69	7.599	7.599	0.000	90	333683	25.0	25.7	
78 1,1,2-Trichloroethane	83	7.758	7.751	0.007	94	185117	25.0	24.3	
79 Tetrachloroethene	166	7.818	7.818	0.000	92	256039	25.0	23.2	
80 1,3-Dichloropropane	76	7.922	7.916	0.006	90	374045	25.0	24.0	
82 2-Hexanone	43	7.977	7.977	0.000	97	1985183	125.0	125.1	
83 Chlorodibromomethane	129	8.159	8.159	0.000	90	252734	25.0	26.1	
84 Ethylene Dibromide	107	8.269	8.269	0.000	97	250293	25.0	24.9	
85 Chlorobenzene	112	8.743	8.743	0.000	92	693650	25.0	24.2	
88 Ethylbenzene	91	8.828	8.828	0.000	98	1109096	25.0	24.5	
89 1,1,1,2-Tetrachloroethane	131	8.834	8.840	-0.006	92	258056	25.0	25.4	
90 m-Xylene & p-Xylene	106	8.950	8.950	0.000	97	447255	25.0	25.0	
91 o-Xylene	106	9.382	9.382	0.000	96	450545	25.0	25.0	
92 Styrene	104	9.412	9.412	0.000	93	730753	25.0	25.2	
93 Bromoform	173	9.662	9.662	0.000	96	150463	25.0	25.4	
95 Isopropylbenzene	105	9.753	9.753	0.000	96	1155233	25.0	26.5	
97 Bromobenzene	156	10.100	10.106	-0.006	89	298974	25.0	25.5	
98 1,1,2,2-Tetrachloroethane	83	10.148	10.148	0.000	93	331582	25.0	24.9	
100 N-Propylbenzene	91	10.173	10.173	0.000	98	1274632	25.0	25.4	
99 1,2,3-Trichloropropane	110	10.185	10.185	0.000	93	109115	25.0	26.1	
101 trans-1,4-Dichloro-2-butene	53	10.191	10.191	0.000	77	134442	25.0	25.1	
102 2-Chlorotoluene	126	10.282	10.282	0.000	96	279363	25.0	25.2	
104 1,3,5-Trimethylbenzene	105	10.343	10.343	0.000	96	962911	25.0	26.0	
105 4-Chlorotoluene	91	10.392	10.386	0.006	97	819595	25.0	25.6	
106 tert-Butylbenzene	134	10.659	10.659	0.000	95	213836	25.0	25.4	
108 1,2,4-Trimethylbenzene	105	10.714	10.714	0.000	98	1002626	25.0	26.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.866	10.866	0.000	95	1182635	25.0	25.8	
111 4-Isopropyltoluene	119	11.000	11.000	0.000	98	1116067	25.0	26.4	
110 1,3-Dichlorobenzene	146	11.006	11.006	0.000	99	568872	25.0	24.7	
113 1,4-Dichlorobenzene	146	11.091	11.091	0.000	95	600467	25.0	25.6	
115 n-Butylbenzene	91	11.383	11.383	0.000	97	871527	25.0	25.7	
116 1,2-Dichlorobenzene	146	11.444	11.444	0.000	97	584768	25.0	25.2	
117 1,2-Dibromo-3-Chloropropane	75	12.168	12.168	0.000	79	59341	25.0	25.8	
119 1,2,4-Trichlorobenzene	180	12.837	12.837	0.000	95	373565	25.0	25.4	
120 Hexachlorobutadiene	225	12.947	12.947	0.000	97	162674	25.0	25.4	
121 Naphthalene	128	13.056	13.056	0.000	97	1146603	25.0	27.6	
122 1,2,3-Trichlorobenzene	180	13.257	13.257	0.000	96	373770	25.0	27.3	

Reagents:

SS 8260 CORP_00086	Amount Added: 12.50	Units: uL	
SS GAS CORP_00367	Amount Added: 12.50	Units: uL	
N_8260_Surr_00399	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00193	Amount Added: 1.00	Units: uL	Run Reagent

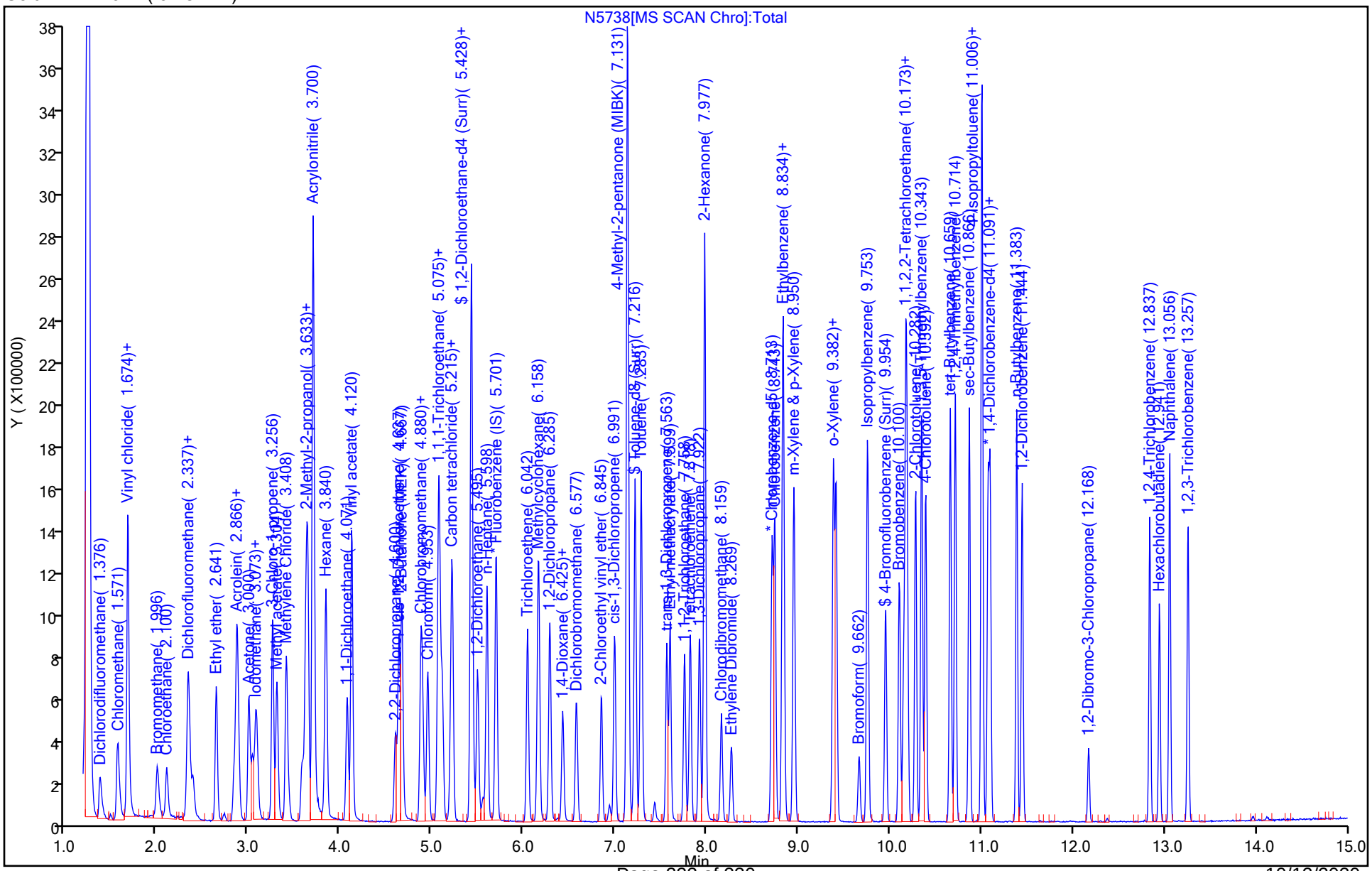
Report Date: 10-Sep-2020 13:26:27 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5738.D

Injection Date:	09-Sep-2020 23:47:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	ICV			Worklist Smp#:	29
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab Sample ID: CCVIS 480-552406/3 Calibration Date: 10/05/2020 08:47

Instrument ID: HP5973N Calib Start Date: 09/09/2020 15:22

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/09/2020 18:11

Lab File ID: N6490.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.329	1.355	0.1000	25.5	25.0	1.9	50.0
Chloromethane	Ave	2.841	2.442	0.1000	21.5	25.0	-14.1	20.0
Vinyl chloride	Ave	1.857	1.592	0.1000	21.4	25.0	-14.2	20.0
Butadiene	Ave	2.716	2.328		21.4	25.0	-14.3	20.0
Bromomethane	Ave	1.076	0.9304	0.1000	21.6	25.0	-13.5	50.0
Chloroethane	Ave	1.141	1.019	0.1000	22.3	25.0	-10.6	50.0
Dichlorofluoromethane	Ave	2.321	2.065		22.2	25.0	-11.0	20.0
Trichlorofluoromethane	Ave	1.864	1.785	0.1000	23.9	25.0	-4.3	20.0
Ethyl ether	Ave	1.880	1.694		22.5	25.0	-9.9	20.0
Acrolein	Ave	0.2954	0.2431		103	125	-17.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.094	1.147	0.1000	26.2	25.0	4.8	20.0
1,1-Dichloroethene	Ave	1.153	1.091	0.1000	23.6	25.0	-5.4	20.0
Acetone	Ave	0.8874	0.9913	0.1000	140	125	11.7	50.0
Iodomethane	Ave	2.252	2.048		22.7	25.0	-9.1	20.0
Carbon disulfide	Ave	4.005	3.616	0.1000	22.6	25.0	-9.7	20.0
Allyl chloride	Ave	3.920	3.609		23.0	25.0	-7.9	20.0
Methyl acetate	Ave	2.513	2.182	0.1000	43.4	50.0	-13.2	50.0
Methylene Chloride	Ave	1.529	1.321	0.1000	21.6	25.0	-13.5	20.0
2-Methyl-2-propanol	Ave	0.2048	0.2466		301	250	20.4	50.0
Methyl tert-butyl ether	Ave	4.264	4.030	0.1000	23.6	25.0	-5.5	20.0
trans-1,2-Dichloroethene	Ave	1.380	1.267	0.1000	23.0	25.0	-8.1	20.0
Acrylonitrile	Ave	1.209	1.092		226	250	-9.7	20.0
Hexane	Ave	2.700	2.951		27.3	25.0	9.3	20.0
1,1-Dichloroethane	Ave	3.100	2.868	0.2000	23.1	25.0	-7.5	20.0
Vinyl acetate	Ave	5.522	5.892		53.4	50.0	6.7	20.0
2,2-Dichloropropane	Ave	1.218	1.081		22.2	25.0	-11.2	20.0
cis-1,2-Dichloroethene	Ave	1.539	1.386	0.1000	22.5	25.0	-9.9	20.0
2-Butanone (MEK)	Ave	1.468	1.539	0.1000	131	125	4.8	20.0
Chlorobromomethane	Ave	0.7850	0.7893		25.1	25.0	0.6	20.0
Tetrahydrofuran	Ave	1.056	0.9870		46.7	50.0	-6.5	20.0
Chloroform	Ave	2.578	2.382	0.2000	23.1	25.0	-7.6	20.0
1,1,1-Trichloroethane	Ave	2.024	1.885	0.1000	23.3	25.0	-6.9	20.0
Cyclohexane	Ave	3.441	3.408	0.1000	24.8	25.0	-1.0	20.0
Carbon tetrachloride	Ave	1.713	1.785	0.1000	26.1	25.0	4.3	20.0
1,1-Dichloropropene	Ave	1.800	1.740		24.2	25.0	-3.3	20.0
Benzene	Ave	5.480	5.319	0.5000	24.3	25.0	-2.9	20.0
Isobutyl alcohol	Ave	0.1194	0.1349		706	625	12.9	50.0
1,2-Dichloroethane	Ave	2.713	2.616	0.1000	24.1	25.0	-3.6	20.0
n-Heptane	Ave	3.333	3.632		27.2	25.0	9.0	20.0
Trichloroethene	Ave	1.443	1.436	0.2000	24.9	25.0	-0.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab Sample ID: CCVIS 480-552406/3 Calibration Date: 10/05/2020 08:47

Instrument ID: HP5973N Calib Start Date: 09/09/2020 15:22

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/09/2020 18:11

Lab File ID: N6490.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.197	2.323	0.1000	26.4	25.0	5.8	20.0
1,2-Dichloropropane	Ave	1.704	1.672	0.1000	24.5	25.0	-1.9	20.0
1,4-Dioxane	Ave	0.0029	0.0041		689	500	37.9	50.0
Dibromomethane	Ave	0.8601	0.8390	0.1000	24.4	25.0	-2.4	20.0
Bromodichloromethane	Ave	1.769	1.710	0.2000	24.2	25.0	-3.3	20.0
2-Chloroethyl vinyl ether	Ave	1.142	1.124		24.6	25.0	-1.6	20.0
cis-1,3-Dichloropropene	Ave	2.088	2.165	0.2000	25.9	25.0	3.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2718	0.2599	0.1000	120	125	-4.4	20.0
Toluene	Ave	0.9223	0.8933	0.4000	24.2	25.0	-3.1	20.0
trans-1,3-Dichloropropene	Ave	0.5207	0.5257	0.1000	25.2	25.0	1.0	20.0
Ethyl methacrylate	Ave	0.4796	0.4933		25.7	25.0	2.9	20.0
1,1,2-Trichloroethane	Ave	0.2807	0.2760	0.1000	24.6	25.0	-1.7	20.0
Tetrachloroethene	Ave	0.4072	0.4011	0.2000	24.6	25.0	-1.5	20.0
1,3-Dichloropropane	Ave	0.5742	0.5604		24.4	25.0	-2.4	20.0
2-Hexanone	Ave	0.5855	0.6033	0.1000	129	125	3.1	20.0
Dibromochloromethane	Ave	0.3574	0.3752	0.1000	26.2	25.0	5.0	20.0
1,2-Dibromoethane	Ave	0.3709	0.3606		24.3	25.0	-2.8	20.0
Chlorobenzene	Ave	1.056	1.022	0.5000	24.2	25.0	-3.3	20.0
Ethylbenzene	Ave	1.673	1.628	0.1000	24.3	25.0	-2.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3753	0.3723		24.8	25.0	-0.8	20.0
m,p-Xylene	Ave	0.6602	0.6524	0.1000	24.7	25.0	-1.2	20.0
o-Xylene	Ave	0.6644	0.6306	0.3000	23.7	25.0	-5.1	20.0
Styrene	Ave	1.072	1.077	0.3000	25.1	25.0	0.5	20.0
Bromoform	Ave	0.2190	0.2436	0.1000	27.8	25.0	11.2	50.0
Isopropylbenzene	Ave	3.031	2.809	0.1000	23.2	25.0	-7.3	20.0
Bromobenzene	Ave	0.8157	0.7751		23.8	25.0	-5.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9258	0.7980	0.3000	21.5	25.0	-13.8	20.0
N-Propylbenzene	Ave	3.494	3.338		23.9	25.0	-4.5	20.0
1,2,3-Trichloropropane	Ave	0.2913	0.2643		22.7	25.0	-9.2	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.3078		20.8	25.0	-16.8	50.0
2-Chlorotoluene	Ave	0.7714	0.7050		22.8	25.0	-8.6	20.0
1,3,5-Trimethylbenzene	Ave	2.577	2.412		23.4	25.0	-6.4	20.0
4-Chlorotoluene	Ave	2.224	2.099		23.6	25.0	-5.6	20.0
tert-Butylbenzene	Ave	0.5861	0.5435		23.2	25.0	-7.3	20.0
1,2,4-Trimethylbenzene	Ave	2.631	2.452		23.3	25.0	-6.8	20.0
sec-Butylbenzene	Ave	3.184	3.007		23.6	25.0	-5.5	20.0
4-Isopropyltoluene	Ave	2.937	2.800		23.8	25.0	-4.7	20.0
1,3-Dichlorobenzene	Ave	1.605	1.520	0.6000	23.7	25.0	-5.3	20.0
1,4-Dichlorobenzene	Ave	1.629	1.547	0.5000	23.7	25.0	-5.0	20.0
n-Butylbenzene	Ave	2.363	2.238		23.7	25.0	-5.3	20.0
1,2-Dichlorobenzene	Ave	1.615	1.472	0.4000	22.8	25.0	-8.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab Sample ID: CCVIS 480-552406/3 Calibration Date: 10/05/2020 08:47

Instrument ID: HP5973N Calib Start Date: 09/09/2020 15:22

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 09/09/2020 18:11

Lab File ID: N6490.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1601	0.1378	0.0500	21.5	25.0	-13.9	50.0
1,2,4-Trichlorobenzene	Ave	1.022	0.8535	0.2000	20.9	25.0	-16.5	20.0
Hexachlorobutadiene	Ave	0.4458	0.4005		22.5	25.0	-10.2	20.0
Naphthalene	Ave	2.888	2.361		20.4	25.0	-18.2	20.0
1,2,3-Trichlorobenzene	Ave	0.9513	0.7735		20.3	25.0	-18.7	20.0
Dibromofluoromethane (Surr)	Ave	1.362	1.325		24.3	25.0	-2.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.823	1.862		25.5	25.0	2.1	20.0
Toluene-d8 (Surr)	Ave	1.367	1.330		24.3	25.0	-2.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4102	0.4256		25.9	25.0	3.7	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6490.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 05-Oct-2020 08:47:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0093886-003
Operator ID: AM Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 05-Oct-2020 09:28:20 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: moffata Date: 05-Oct-2020 09:28:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.701	5.701	0.000	97	154738	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	89	589332	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	94	348344	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.000	92	205088	25.0	24.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.421	5.421	0.000	74	288057	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	783970	25.0	24.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	90	250791	25.0	25.9	
11 Dichlorodifluoromethane	85	1.370	1.370	0.000	98	209667	25.0	25.5	
13 Chloromethane	50	1.571	1.571	0.000	99	377842	25.0	21.5	
14 Vinyl chloride	62	1.674	1.674	0.000	52	246393	25.0	21.4	
144 Butadiene	54	1.680	1.680	0.000	96	360169	25.0	21.4	
15 Bromomethane	94	2.009	2.009	0.000	92	143964	25.0	21.6	
16 Chloroethane	64	2.112	2.112	0.000	95	157711	25.0	22.3	
17 Dichlorofluoromethane	67	2.343	2.343	0.000	95	319547	25.0	22.2	
18 Trichlorofluoromethane	101	2.355	2.355	0.000	71	276184	25.0	23.9	
19 Ethyl ether	59	2.641	2.641	0.000	94	262102	25.0	22.5	
20 Acrolein	56	2.836	2.836	0.000	98	188059	125.0	102.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.879	2.879	0.000	91	177551	25.0	26.2	
22 1,1-Dichloroethene	96	2.879	2.879	0.000	91	168760	25.0	23.6	
23 Acetone	43	3.000	3.000	0.000	97	766953	125.0	139.6	
24 Iodomethane	142	3.067	3.067	0.000	98	316855	25.0	22.7	
25 Carbon disulfide	76	3.091	3.091	0.000	98	559469	25.0	22.6	
27 3-Chloro-1-propene	41	3.256	3.256	0.000	86	558472	25.0	23.0	
28 Methyl acetate	43	3.304	3.304	0.000	100	675358	50.0	43.4	
30 Methylene Chloride	84	3.408	3.408	0.000	89	204470	25.0	21.6	
31 2-Methyl-2-propanol	59	3.584	3.584	0.000	97	381564	250.0	300.9	
32 Methyl tert-butyl ether	73	3.621	3.621	0.000	98	623602	25.0	23.6	
33 trans-1,2-Dichloroethene	96	3.645	3.645	0.000	89	196115	25.0	23.0	
34 Acrylonitrile	53	3.700	3.700	0.000	98	1689922	250.0	225.7	
35 Hexane	57	3.840	3.840	0.000	95	456605	25.0	27.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	4.071	4.071	0.000	97	443722	25.0	23.1	
39 Vinyl acetate	43	4.120	4.120	0.000	97	1823573	50.0	53.4	
42 2,2-Dichloropropane	77	4.600	4.600	0.000	83	167339	25.0	22.2	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	86	214482	25.0	22.5	
44 2-Butanone (MEK)	43	4.667	4.667	0.000	96	1190715	125.0	131.0	
47 Chlorobromomethane	128	4.874	4.874	0.000	86	122139	25.0	25.1	
49 Tetrahydrofuran	42	4.892	4.892	0.000	92	305456	50.0	46.7	
50 Chloroform	83	4.953	4.953	0.000	95	368654	25.0	23.1	
51 1,1,1-Trichloroethane	97	5.069	5.069	0.000	96	291607	25.0	23.3	
52 Cyclohexane	56	5.075	5.075	0.000	96	527349	25.0	24.8	
53 Carbon tetrachloride	117	5.209	5.209	0.000	94	276284	25.0	26.1	
54 1,1-Dichloropropene	75	5.221	5.221	0.000	82	269269	25.0	24.2	
55 Benzene	78	5.428	5.428	0.000	90	823076	25.0	24.3	
56 Isobutyl alcohol	43	5.434	5.434	0.000	92	521821	625.0	705.9	
57 1,2-Dichloroethane	62	5.494	5.494	0.000	95	404801	25.0	24.1	
59 n-Heptane	43	5.598	5.598	0.000	96	561959	25.0	27.2	
60 Trichloroethene	95	6.036	6.036	0.000	94	222137	25.0	24.9	
62 Methylcyclohexane	83	6.158	6.158	0.000	93	359526	25.0	26.4	
63 1,2-Dichloropropane	63	6.285	6.285	0.000	86	258796	25.0	24.5	
66 1,4-Dioxane	88	6.425	6.425	0.000	51	47831	500.0	689.5	
64 Dibromomethane	93	6.425	6.425	0.000	95	129828	25.0	24.4	
67 Dichlorobromomethane	83	6.577	6.577	0.000	94	264623	25.0	24.2	
69 2-Chloroethyl vinyl ether	63	6.845	6.845	0.000	86	173923	25.0	24.6	
71 cis-1,3-Dichloropropene	75	6.991	6.991	0.000	83	335067	25.0	25.9	
72 4-Methyl-2-pentanone (MIBK)	58	7.131	7.131	0.000	98	765889	125.0	119.5	
73 Toluene	92	7.283	7.283	0.000	97	526449	25.0	24.2	
75 trans-1,3-Dichloropropene	75	7.563	7.563	0.000	95	309797	25.0	25.2	
77 Ethyl methacrylate	69	7.599	7.599	0.000	89	290730	25.0	25.7	
78 1,1,2-Trichloroethane	83	7.758	7.758	0.000	95	162683	25.0	24.6	
79 Tetrachloroethene	166	7.818	7.818	0.000	96	236400	25.0	24.6	
80 1,3-Dichloropropane	76	7.916	7.916	0.000	89	330236	25.0	24.4	
82 2-Hexanone	43	7.977	7.977	0.000	97	1777830	125.0	128.8	
83 Chlorodibromomethane	129	8.159	8.159	0.000	89	221098	25.0	26.2	
84 Ethylene Dibromide	107	8.269	8.269	0.000	98	212496	25.0	24.3	
85 Chlorobenzene	112	8.743	8.743	0.000	93	602309	25.0	24.2	
88 Ethylbenzene	91	8.828	8.828	0.000	98	959487	25.0	24.3	
89 1,1,1,2-Tetrachloroethane	131	8.840	8.840	0.000	93	219429	25.0	24.8	
90 m-Xylene & p-Xylene	106	8.950	8.950	0.000	97	384507	25.0	24.7	
91 o-Xylene	106	9.382	9.382	0.000	97	371631	25.0	23.7	
92 Styrene	104	9.412	9.412	0.000	93	634569	25.0	25.1	
93 Bromoform	173	9.662	9.662	0.000	96	143554	25.0	27.8	
95 Isopropylbenzene	105	9.753	9.753	0.000	97	978374	25.0	23.2	
97 Bromobenzene	156	10.106	10.106	0.000	87	270010	25.0	23.8	
98 1,1,2,2-Tetrachloroethane	83	10.148	10.148	0.000	94	277969	25.0	21.5	
100 N-Propylbenzene	91	10.173	10.173	0.000	99	1162645	25.0	23.9	
99 1,2,3-Trichloropropane	110	10.185	10.185	0.000	92	92081	25.0	22.7	
101 trans-1,4-Dichloro-2-butene	53	10.191	10.191	0.000	75	107232	25.0	20.8	
102 2-Chlorotoluene	126	10.282	10.282	0.000	96	245571	25.0	22.8	
104 1,3,5-Trimethylbenzene	105	10.343	10.343	0.000	96	840185	25.0	23.4	
105 4-Chlorotoluene	91	10.392	10.392	0.000	98	731338	25.0	23.6	
106 tert-Butylbenzene	134	10.659	10.659	0.000	95	189317	25.0	23.2	
108 1,2,4-Trimethylbenzene	105	10.714	10.714	0.000	97	854313	25.0	23.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.866	10.866	0.000	95	1047516	25.0	23.6	
111 4-Isopropyltoluene	119	11.000	11.000	0.000	98	975404	25.0	23.8	
110 1,3-Dichlorobenzene	146	11.006	11.006	0.000	99	529653	25.0	23.7	
113 1,4-Dichlorobenzene	146	11.097	11.097	0.000	95	538791	25.0	23.7	
115 n-Butylbenzene	91	11.383	11.383	0.000	98	779693	25.0	23.7	
116 1,2-Dichlorobenzene	146	11.444	11.444	0.000	97	512745	25.0	22.8	
117 1,2-Dibromo-3-Chloropropane	75	12.168	12.168	0.000	78	48005	25.0	21.5	
119 1,2,4-Trichlorobenzene	180	12.837	12.837	0.000	95	297318	25.0	20.9	
120 Hexachlorobutadiene	225	12.947	12.947	0.000	96	139513	25.0	22.5	
121 Naphthalene	128	13.056	13.056	0.000	97	822441	25.0	20.4	
122 1,2,3-Trichlorobenzene	180	13.257	13.257	0.000	95	269444	25.0	20.3	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00420	Amount Added: 12.50	Units: uL	
8260 CORP mix_00194	Amount Added: 12.50	Units: uL	
N 8260 IS_00199	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00401	Amount Added: 1.00	Units: uL	Run Reagent

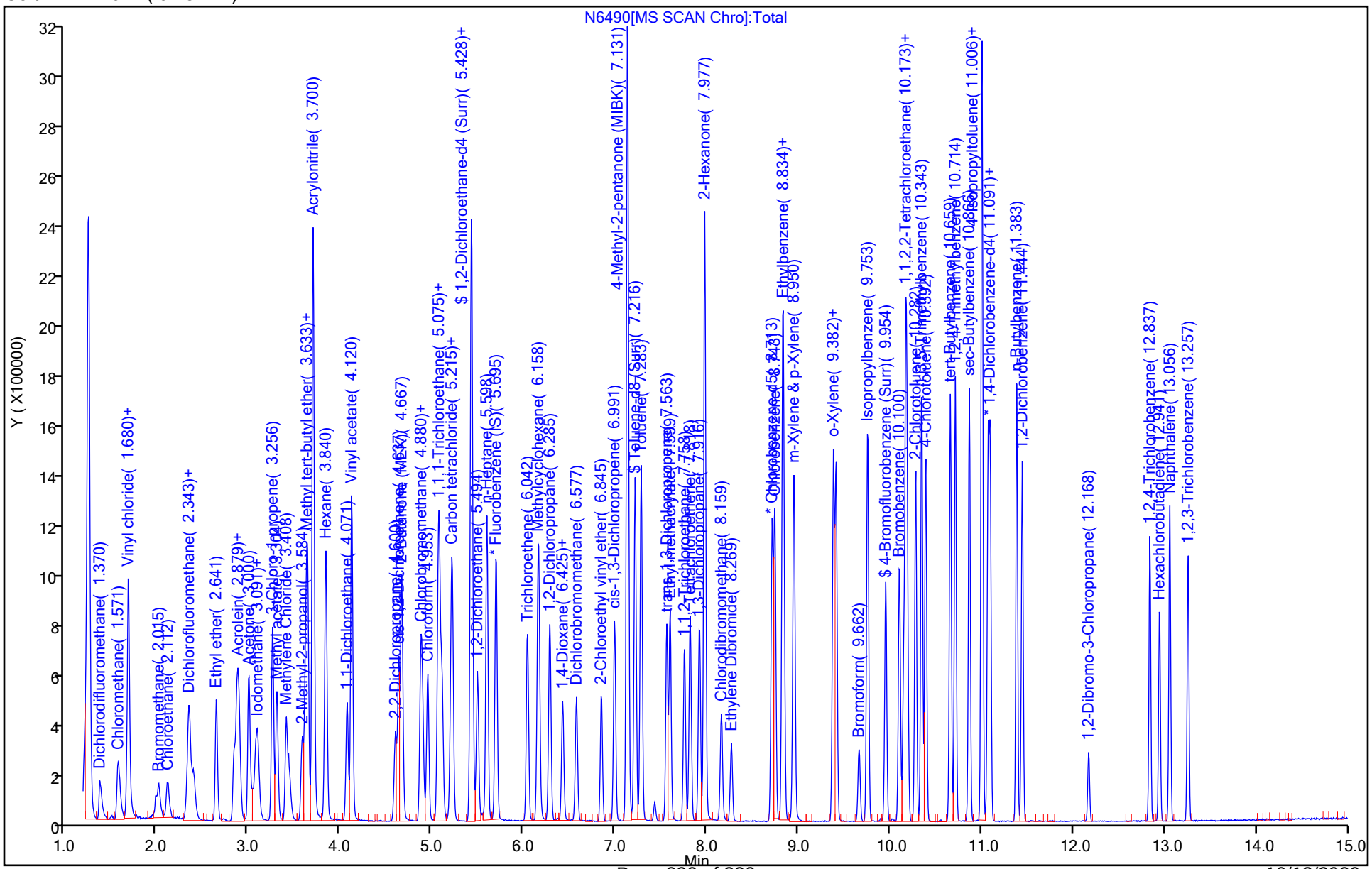
Report Date: 05-Oct-2020 09:28:20 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6490.D

Injection Date:	05-Oct-2020 08:47:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab Sample ID: ICV 480-545354/8 Calibration Date: 08/16/2020 21:31

Instrument ID: HP5973S Calib Start Date: 08/14/2020 13:35

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 08/14/2020 16:18

Lab File ID: S0655.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.731	1.645	0.1000	23.8	25.0	-5.0	50.0
Chloromethane	Ave	1.950	1.794	0.1000	23.0	25.0	-8.0	30.0
Butadiene	Ave	1.858	1.789		24.1	25.0	-3.7	30.0
Vinyl chloride	Ave	1.735	1.826	0.1000	26.3	25.0	5.3	30.0
Bromomethane	Ave	1.158	1.028	0.1000	22.2	25.0	-11.2	50.0
Chloroethane	Ave	1.148	1.067	0.1000	23.2	25.0	-7.1	50.0
Dichlorofluoromethane	Ave	2.459	2.489		25.3	25.0	1.2	30.0
Trichlorofluoromethane	Ave	2.238	2.359	0.1000	26.4	25.0	5.4	30.0
Ethyl ether	Ave	1.424	1.556		27.3	25.0	9.2	30.0
Acrolein	Ave	0.2700	0.1601		74.1	125	-40.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.180	1.480	0.1000	31.3	25.0	25.4	30.0
1,1-Dichloroethene	Ave	1.176	1.391	0.1000	29.6	25.0	18.3	30.0
Acetone	Ave	0.7214	0.6673	0.1000	116	125	-7.5	50.0
Iodomethane	Ave	2.152	2.261		26.3	25.0	5.0	30.0
Carbon disulfide	Ave	4.094	4.599	0.1000	28.1	25.0	12.3	30.0
Allyl chloride	Ave	2.448	2.552		26.1	25.0	4.3	30.0
Methyl acetate	Ave	1.597	1.568	0.1000	49.1	50.0	-1.8	50.0
Methylene Chloride	Lin1		1.560	0.1000	27.6	25.0	10.3	30.0
2-Methyl-2-propanol	Ave	0.2374	0.1926		203	250	-18.9	50.0
Methyl tert-butyl ether	Ave	4.687	4.774	0.1000	25.5	25.0	1.8	30.0
trans-1,2-Dichloroethene	Ave	1.401	1.525	0.1000	27.2	25.0	8.8	30.0
Acrylonitrile	Ave	0.8055	0.7962		247	250	-1.2	30.0
Hexane	Ave	2.222	2.841		32.0	25.0	27.9	30.0
1,1-Dichloroethane	Ave	2.596	2.645	0.2000	25.5	25.0	1.9	30.0
Vinyl acetate	Ave	3.288	3.253		49.5	50.0	-1.0	30.0
2,2-Dichloropropane	Ave	1.446	1.623		28.1	25.0	12.2	30.0
cis-1,2-Dichloroethene	Ave	1.582	1.691	0.1000	26.7	25.0	6.9	30.0
2-Butanone (MEK)	Ave	1.067	1.050	0.1000	123	125	-1.6	30.0
Chlorobromomethane	Ave	0.8176	0.8192		25.0	25.0	0.2	30.0
Tetrahydrofuran	Ave	0.7589	0.7057		46.5	50.0	-7.0	30.0
Chloroform	Ave	2.604	2.631	0.2000	25.3	25.0	1.0	30.0
1,1,1-Trichloroethane	Ave	2.051	2.260	0.1000	27.5	25.0	10.2	30.0
Cyclohexane	Ave	2.529	3.021	0.1000	29.9	25.0	19.5	30.0
Carbon tetrachloride	Ave	1.669	1.833	0.1000	27.5	25.0	9.8	30.0
1,1-Dichloropropene	Ave	1.949	2.175		27.9	25.0	11.6	30.0
Benzene	Ave	6.015	6.291	0.5000	26.1	25.0	4.6	30.0
Isobutyl alcohol	Ave	0.0826	0.0752		569	625	-8.9	50.0
1,2-Dichloroethane	Ave	2.269	2.273	0.1000	25.0	25.0	0.2	30.0
n-Heptane	Ave	2.391	2.953		30.9	25.0	23.5	30.0
Trichloroethene	Ave	1.501	1.588	0.2000	26.4	25.0	5.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab Sample ID: ICV 480-545354/8 Calibration Date: 08/16/2020 21:31

Instrument ID: HP5973S Calib Start Date: 08/14/2020 13:35

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 08/14/2020 16:18

Lab File ID: S0655.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.479	3.024	0.1000	30.5	25.0	22.0	30.0
1,2-Dichloropropane	Ave	1.484	1.566	0.1000	26.4	25.0	5.6	30.0
Dibromomethane	Ave	0.9496	0.9935	0.1000	26.2	25.0	4.6	30.0
1,4-Dioxane	Ave	0.0114	0.0118		514	500	2.8	50.0
Bromodichloromethane	Ave	1.874	1.943	0.2000	25.9	25.0	3.7	30.0
2-Chloroethyl vinyl ether	Ave	1.111	1.195		26.9	25.0	7.6	30.0
cis-1,3-Dichloropropene	Ave	2.368	2.527	0.2000	26.7	25.0	6.7	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.033	1.088	0.1000	132	125	5.3	30.0
Toluene	Ave	1.842	1.953	0.4000	26.5	25.0	6.0	30.0
trans-1,3-Dichloropropene	Ave	1.093	1.102	0.1000	25.2	25.0	0.8	30.0
Ethyl methacrylate	Ave	0.9803	1.041		26.5	25.0	6.2	30.0
1,1,2-Trichloroethane	Ave	0.5882	0.5996	0.1000	25.5	25.0	1.9	30.0
Tetrachloroethene	Ave	0.7446	0.8492	0.2000	28.5	25.0	14.0	30.0
1,3-Dichloropropane	Ave	1.193	1.234		25.9	25.0	3.4	30.0
2-Hexanone	Ave	0.7124	0.7940	0.1000	139	125	11.4	30.0
Dibromochloromethane	Ave	0.6541	0.6823	0.1000	26.1	25.0	4.3	30.0
1,2-Dibromoethane	Ave	0.7158	0.7449		26.0	25.0	4.1	30.0
Chlorobenzene	Ave	2.018	2.188	0.5000	27.1	25.0	8.4	30.0
Ethylbenzene	Ave	3.451	3.867	0.1000	28.0	25.0	12.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.6403	0.6683		26.1	25.0	4.4	30.0
m,p-Xylene	Ave	1.313	1.488	0.1000	28.3	25.0	13.3	30.0
o-Xylene	Ave	1.331	1.456	0.3000	27.4	25.0	9.5	30.0
Styrene	Ave	2.203	2.460	0.3000	27.9	25.0	11.7	30.0
Bromoform	Ave	0.4180	0.4213	0.1000	25.2	25.0	0.8	50.0
Isopropylbenzene	Ave	3.611	4.026	0.1000	27.9	25.0	11.5	30.0
Bromobenzene	Ave	0.8797	0.9482		26.9	25.0	7.8	30.0
1,1,2,2-Tetrachloroethane	Ave	1.029	1.064	0.3000	25.8	25.0	3.4	30.0
N-Propylbenzene	Ave	4.328	4.755		27.5	25.0	9.8	30.0
1,2,3-Trichloropropane	Ave	0.3539	0.3460		24.4	25.0	-2.2	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3556	0.3892		27.4	25.0	9.5	50.0
2-Chlorotoluene	Ave	0.8682	0.9138		26.3	25.0	5.2	30.0
1,3,5-Trimethylbenzene	Ave	3.107	3.374		27.1	25.0	8.6	30.0
4-Chlorotoluene	Ave	0.8887	0.9449		26.6	25.0	6.3	30.0
tert-Butylbenzene	Ave	0.6649	0.7258		27.3	25.0	9.2	30.0
1,2,4-Trimethylbenzene	Ave	3.105	3.445		27.7	25.0	10.9	30.0
sec-Butylbenzene	Ave	3.915	4.419		28.2	25.0	12.9	30.0
1,3-Dichlorobenzene	Ave	1.757	1.839	0.6000	26.2	25.0	4.7	30.0
4-Isopropyltoluene	Ave	3.404	3.861		28.4	25.0	13.4	30.0
1,4-Dichlorobenzene	Ave	1.810	1.901	0.5000	26.3	25.0	5.1	30.0
n-Butylbenzene	Ave	3.067	3.520		28.7	25.0	14.8	30.0
1,2-Dichlorobenzene	Ave	1.740	1.779	0.4000	25.6	25.0	2.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab Sample ID: ICV 480-545354/8 Calibration Date: 08/16/2020 21:31

Instrument ID: HP5973S Calib Start Date: 08/14/2020 13:35

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 08/14/2020 16:18

Lab File ID: S0655.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2034	0.1973	0.0500	24.3	25.0	-3.0	50.0
1,2,4-Trichlorobenzene	Ave	1.264	1.368	0.2000	27.0	25.0	8.2	30.0
Hexachlorobutadiene	Ave	0.5115	0.5835		28.5	25.0	14.1	30.0
Naphthalene	Ave	3.778	3.974		26.3	25.0	5.2	30.0
1,2,3-Trichlorobenzene	Ave	1.231	1.261		25.6	25.0	2.4	30.0
Dibromofluoromethane (Surr)	Ave	1.215	1.170		24.1	25.0	-3.7	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8179	0.8124		24.8	25.0	-0.7	30.0
Toluene-d8 (Surr)	Ave	2.365	2.400		25.4	25.0	1.5	30.0
4-Bromofluorobenzene (Surr)	Ave	0.7463	0.7539		25.3	25.0	1.0	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200816-92788.b\S0655.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Aug-2020 21:31:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0092788-008
Operator ID: CDC Instrument ID: HP5973S
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200816-92788.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 20:11:14 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1069

First Level Reviewer: cwiklinc Date: 16-Aug-2020 22:17:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	183285	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	87	373405	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.735	10.736	-0.001	55	368789	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	57	214516	25.0	24.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	54	148894	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.860	6.860	0.000	90	896173	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	281499	25.0	25.3	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	97	301541	25.0	23.8	
12 Chloromethane	50	1.415	1.416	-0.001	89	328880	25.0	23.0	
151 Butadiene	54	1.495	1.495	0.000	90	327981	25.0	24.1	
13 Vinyl chloride	62	1.507	1.507	0.000	74	334644	25.0	26.3	
14 Bromomethane	94	1.774	1.787	-0.013	92	188418	25.0	22.2	
15 Chloroethane	64	1.853	1.854	-0.001	95	195575	25.0	23.2	
16 Dichlorofluoromethane	67	2.085	2.085	0.000	82	456116	25.0	25.3	
17 Trichlorofluoromethane	101	2.097	2.091	0.006	67	432411	25.0	26.4	
18 Ethyl ether	59	2.364	2.365	-0.001	91	285149	25.0	27.3	
20 Acrolein	56	2.553	2.547	0.006	97	146748	125.0	74.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.571	2.571	0.000	67	271217	25.0	31.3	
22 1,1-Dichloroethene	96	2.583	2.578	0.005	88	255017	25.0	29.6	
23 Acetone	43	2.705	2.705	0.000	99	611560	125.0	115.6	
25 Iodomethane	142	2.754	2.736	0.018	98	414322	25.0	26.3	
26 Carbon disulfide	76	2.778	2.766	0.012	98	842899	25.0	28.1	
28 3-Chloro-1-propene	41	2.948	2.955	-0.007	85	467821	25.0	26.1	
27 Methyl acetate	43	3.003	2.997	0.006	96	574633	50.0	49.1	
30 Methylene Chloride	84	3.101	3.095	0.006	91	285924	25.0	27.6	
31 2-Methyl-2-propanol	59	3.283	3.271	0.012	90	353064	250.0	202.8	
32 Methyl tert-butyl ether	73	3.314	3.308	0.006	91	875003	25.0	25.5	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	92	279499	25.0	27.2	
33 Acrylonitrile	53	3.387	3.387	-0.001	100	1459243	250.0	247.1	
35 Hexane	57	3.514	3.514	0.000	94	520737	25.0	32.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.745	3.746	-0.001	85	484779	25.0	25.5	
37 Vinyl acetate	43	3.800	3.800	0.000	97	1192579	50.0	49.5	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	92	297424	25.0	28.1	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	67	309907	25.0	26.7	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	94	962184	125.0	123.0	
48 Chlorobromomethane	128	4.536	4.536	0.000	95	150141	25.0	25.0	
49 Tetrahydrofuran	42	4.555	4.549	0.006	86	258678	50.0	46.5	
50 Chloroform	83	4.615	4.616	-0.001	80	482173	25.0	25.3	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	81	414195	25.0	27.5	
52 Cyclohexane	56	4.725	4.725	0.000	92	553711	25.0	29.9	
55 Carbon tetrachloride	117	4.859	4.859	0.000	79	335946	25.0	27.5	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	91	398656	25.0	27.9	
57 Benzene	78	5.078	5.078	0.000	97	1153051	25.0	26.1	
53 Isobutyl alcohol	43	5.114	5.108	0.006	93	344546	625.0	569.1	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	73	416686	25.0	25.0	
59 n-Heptane	43	5.254	5.254	0.000	94	541228	25.0	30.9	
62 Trichloroethene	95	5.692	5.686	0.006	93	291001	25.0	26.4	
64 Methylcyclohexane	83	5.802	5.802	0.000	92	554274	25.0	30.5	
65 1,2-Dichloropropane	63	5.936	5.930	0.006	90	287107	25.0	26.4	
67 Dibromomethane	93	6.069	6.070	-0.001	92	182087	25.0	26.2	
66 1,4-Dioxane	88	6.075	6.076	-0.001	51	87758	500.0	514.1	
68 Dichlorobromomethane	83	6.228	6.222	0.006	92	356159	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	6.507	6.508	-0.001	92	219011	25.0	26.9	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	85	463195	25.0	26.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	97	2030773	125.0	131.7	
74 Toluene	92	6.921	6.921	0.000	94	729428	25.0	26.5	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	94	411612	25.0	25.2	
75 Ethyl methacrylate	69	7.256	7.256	0.000	84	388681	25.0	26.5	
79 1,1,2-Trichloroethane	83	7.402	7.402	0.000	88	223876	25.0	25.5	
81 Tetrachloroethene	166	7.450	7.450	0.000	80	317080	25.0	28.5	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	94	460714	25.0	25.9	
80 2-Hexanone	43	7.627	7.627	0.000	97	1482356	125.0	139.3	
83 Chlorodibromomethane	129	7.797	7.797	0.000	85	254760	25.0	26.1	
84 Ethylene Dibromide	107	7.894	7.895	-0.001	97	278136	25.0	26.0	
87 Chlorobenzene	112	8.369	8.369	0.000	92	817062	25.0	27.1	
88 Ethylbenzene	91	8.460	8.460	0.000	98	1443772	25.0	28.0	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	44	249541	25.0	26.1	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	99	555443	25.0	28.3	
91 o-Xylene	106	9.008	9.008	0.000	98	543820	25.0	27.4	
92 Styrene	104	9.038	9.038	0.000	93	918564	25.0	27.9	
95 Bromoform	173	9.288	9.294	-0.006	95	157303	25.0	25.2	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1484702	25.0	27.9	
101 Bromobenzene	156	9.744	9.744	0.000	94	349694	25.0	26.9	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	82	392287	25.0	25.8	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	1753455	25.0	27.5	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	63	127598	25.0	24.4	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.853	0.000	87	143540	25.0	27.4	
103 2-Chlorotoluene	126	9.926	9.926	0.000	95	336993	25.0	26.3	
102 1,3,5-Trimethylbenzene	105	10.005	10.000	0.005	84	1244139	25.0	27.1	
105 4-Chlorotoluene	126	10.042	10.042	0.000	96	348455	25.0	26.6	
106 tert-Butylbenzene	134	10.322	10.322	0.000	91	267664	25.0	27.3	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	48	1270437	25.0	27.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	1629812	25.0	28.2	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	73	678285	25.0	26.2	
110 4-Isopropyltoluene	119	10.675	10.675	0.000	97	1423814	25.0	28.4	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	701160	25.0	26.3	
115 n-Butylbenzene	91	11.058	11.058	0.000	96	1297992	25.0	28.7	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	92	656202	25.0	25.6	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	76	72764	25.0	24.3	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	90	504391	25.0	27.0	
120 Hexachlorobutadiene	225	12.621	12.622	-0.001	94	215199	25.0	28.5	
121 Naphthalene	128	12.725	12.725	0.000	97	1465495	25.0	26.3	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	94	465054	25.0	25.6	

Reagents:

SS 8260 CORP_00086	Amount Added: 12.50	Units: uL	
SS GAS CORP_00363	Amount Added: 12.50	Units: uL	
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added: 1.00	Units: uL	Run Reagent

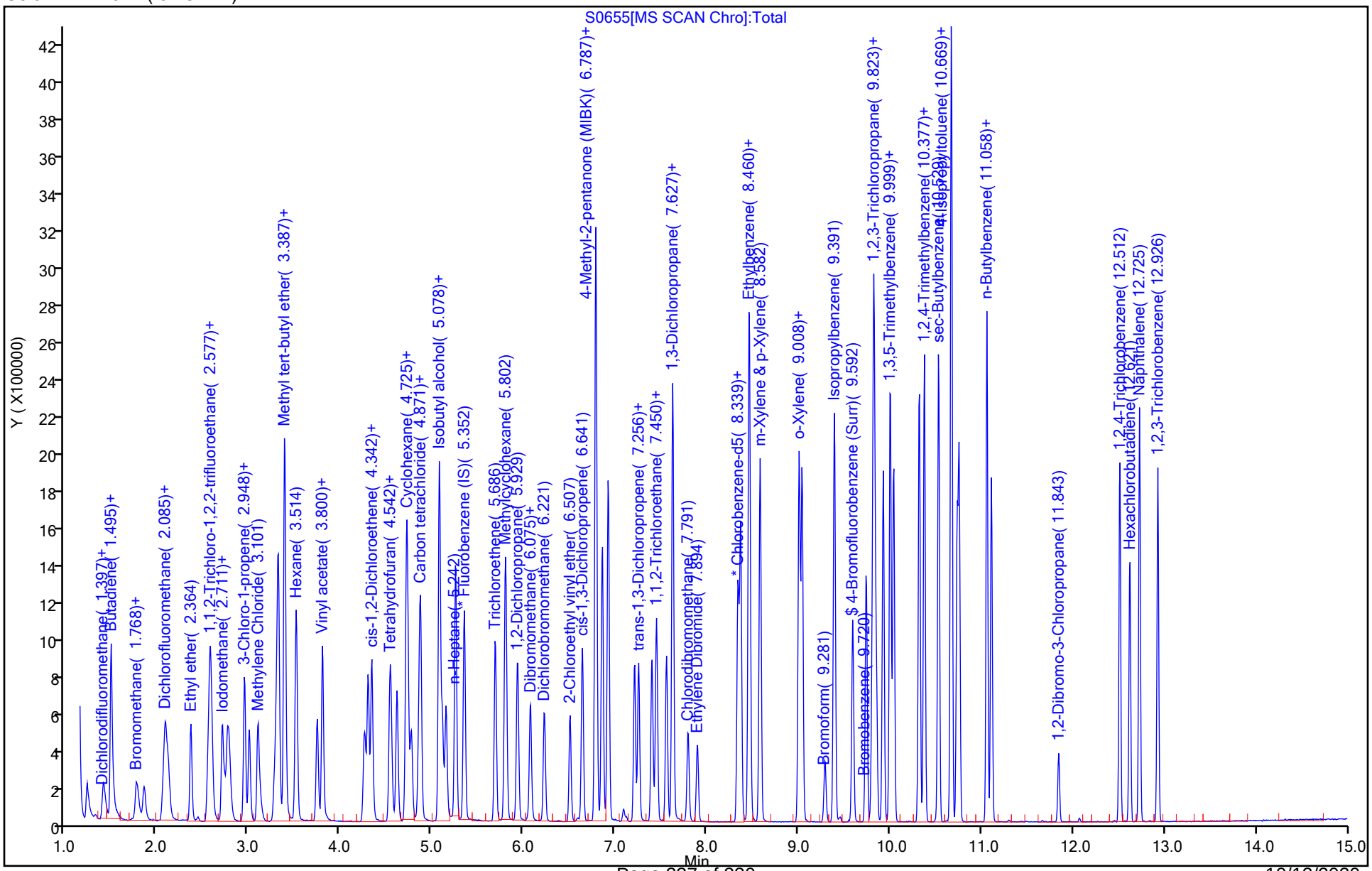
Report Date: 16-Aug-2020 22:17:12 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200816-92788.b\S0655.D

Injection Date:	16-Aug-2020 21:31:30	Instrument ID:	HP5973S	Operator ID:	CDC
Lims ID:	ICV			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab Sample ID: CCVIS 480-552557/3 Calibration Date: 10/06/2020 08:26

Instrument ID: HP5973S Calib Start Date: 08/14/2020 13:35

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 08/14/2020 16:18

Lab File ID: S2373.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.731	1.851	0.1000	26.7	25.0	6.9	50.0
Chloromethane	Ave	1.950	1.445	0.1000	18.5	25.0	-25.9*	20.0
Butadiene	Ave	1.858	1.511		20.3	25.0	-18.7	20.0
Vinyl chloride	Ave	1.735	1.501	0.1000	21.6	25.0	-13.4	20.0
Bromomethane	Ave	1.158	1.082	0.1000	23.4	25.0	-6.5	50.0
Chloroethane	Ave	1.148	0.9732	0.1000	21.2	25.0	-15.3	50.0
Dichlorofluoromethane	Ave	2.459	2.358		24.0	25.0	-4.1	20.0
Trichlorofluoromethane	Ave	2.238	2.388	0.1000	26.7	25.0	6.7	20.0
Ethyl ether	Ave	1.424	1.287		22.6	25.0	-9.6	20.0
Acrolein	Ave	0.2700	0.1553		71.9	125	-42.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.180	1.390	0.1000	29.4	25.0	17.8	20.0
1,1-Dichloroethene	Ave	1.176	1.254	0.1000	26.7	25.0	6.7	20.0
Acetone	Ave	0.7214	0.6132	0.1000	106	125	-15.0	50.0
Iodomethane	Ave	2.152	2.364		27.5	25.0	9.9	20.0
Carbon disulfide	Ave	4.094	3.935	0.1000	24.0	25.0	-3.9	20.0
Allyl chloride	Ave	2.448	2.056		21.0	25.0	-16.0	20.0
Methyl acetate	Ave	1.597	1.262	0.1000	39.5	50.0	-20.9	50.0
Methylene Chloride	Lin1		1.526	0.1000	27.0	25.0	7.8	20.0
2-Methyl-2-propanol	Ave	0.2374	0.1891		199	250	-20.4	50.0
Methyl tert-butyl ether	Ave	4.687	4.720	0.1000	25.2	25.0	0.7	20.0
trans-1,2-Dichloroethene	Ave	1.401	1.441	0.1000	25.7	25.0	2.9	20.0
Acrylonitrile	Ave	0.8055	0.6548		203	250	-18.7	20.0
Hexane	Ave	2.222	2.146		24.1	25.0	-3.4	20.0
1,1-Dichloroethane	Ave	2.596	2.456	0.2000	23.7	25.0	-5.4	20.0
Vinyl acetate	Ave	3.288	2.969		45.2	50.0	-9.7	20.0
2,2-Dichloropropane	Ave	1.446	1.489		25.7	25.0	3.0	20.0
cis-1,2-Dichloroethene	Ave	1.582	1.671	0.1000	26.4	25.0	5.6	20.0
2-Butanone (MEK)	Ave	1.067	0.8630	0.1000	101	125	-19.1	20.0
Chlorobromomethane	Ave	0.8176	0.8931		27.3	25.0	9.2	20.0
Tetrahydrofuran	Ave	0.7589	0.5485		36.1	50.0	-27.7*	20.0
Chloroform	Ave	2.604	2.650	0.2000	25.4	25.0	1.8	20.0
1,1,1-Trichloroethane	Ave	2.051	2.314	0.1000	28.2	25.0	12.8	20.0
Cyclohexane	Ave	2.529	2.388	0.1000	23.6	25.0	-5.6	20.0
Carbon tetrachloride	Ave	1.669	2.017	0.1000	30.2	25.0	20.8*	20.0
1,1-Dichloropropene	Ave	1.949	1.955		25.1	25.0	0.3	20.0
Benzene	Ave	6.015	5.801	0.5000	24.1	25.0	-3.6	20.0
Isobutyl alcohol	Ave	0.0826	0.0662		501	625	-19.9	50.0
1,2-Dichloroethane	Ave	2.269	2.309	0.1000	25.4	25.0	1.8	20.0
n-Heptane	Ave	2.391	2.109		22.0	25.0	-11.8	20.0
Trichloroethene	Ave	1.501	1.525	0.2000	25.4	25.0	1.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab Sample ID: CCVIS 480-552557/3 Calibration Date: 10/06/2020 08:26

Instrument ID: HP5973S Calib Start Date: 08/14/2020 13:35

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 08/14/2020 16:18

Lab File ID: S2373.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.479	2.607	0.1000	26.3	25.0	5.2	20.0
1,2-Dichloropropane	Ave	1.484	1.384	0.1000	23.3	25.0	-6.7	20.0
Dibromomethane	Ave	0.9496	1.029	0.1000	27.1	25.0	8.4	20.0
1,4-Dioxane	Ave	0.0114	0.0093		405	500	-19.0	50.0
Bromodichloromethane	Ave	1.874	2.019	0.2000	26.9	25.0	7.8	20.0
2-Chloroethyl vinyl ether	Ave	1.111	1.052		23.7	25.0	-5.2	20.0
cis-1,3-Dichloropropene	Ave	2.368	2.382	0.2000	25.1	25.0	0.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.033	0.8027	0.1000	97.2	125	-22.3*	20.0
Toluene	Ave	1.842	1.723	0.4000	23.4	25.0	-6.5	20.0
trans-1,3-Dichloropropene	Ave	1.093	1.039	0.1000	23.7	25.0	-5.0	20.0
Ethyl methacrylate	Ave	0.9803	0.9015		23.0	25.0	-8.0	20.0
1,1,2-Trichloroethane	Ave	0.5882	0.5250	0.1000	22.3	25.0	-10.7	20.0
Tetrachloroethene	Ave	0.7446	0.7354	0.2000	24.7	25.0	-1.2	20.0
1,3-Dichloropropane	Ave	1.193	1.087		22.8	25.0	-8.9	20.0
2-Hexanone	Ave	0.7124	0.5730	0.1000	101	125	-19.6	20.0
Dibromochloromethane	Ave	0.6541	0.6808	0.1000	26.0	25.0	4.1	20.0
1,2-Dibromoethane	Ave	0.7158	0.6840		23.9	25.0	-4.4	20.0
Chlorobenzene	Ave	2.018	1.969	0.5000	24.4	25.0	-2.4	20.0
Ethylbenzene	Ave	3.451	3.242	0.1000	23.5	25.0	-6.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6403	0.6733		26.3	25.0	5.2	20.0
m,p-Xylene	Ave	1.313	1.318	0.1000	25.1	25.0	0.4	20.0
o-Xylene	Ave	1.331	1.293	0.3000	24.3	25.0	-2.8	20.0
Styrene	Ave	2.203	2.190	0.3000	24.9	25.0	-0.6	20.0
Bromoform	Ave	0.4180	0.4284	0.1000	25.6	25.0	2.5	50.0
Isopropylbenzene	Ave	3.611	3.233	0.1000	22.4	25.0	-10.5	20.0
Bromobenzene	Ave	0.8797	0.8355		23.7	25.0	-5.0	20.0
1,1,2,2-Tetrachloroethane	Ave	1.029	0.8341	0.3000	20.3	25.0	-19.0	20.0
N-Propylbenzene	Ave	4.328	3.882		22.4	25.0	-10.3	20.0
1,2,3-Trichloropropane	Ave	0.3539	0.3044		21.5	25.0	-14.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3556	0.2773		19.5	25.0	-22.0	50.0
2-Chlorotoluene	Ave	0.8682	0.8058		23.2	25.0	-7.2	20.0
1,3,5-Trimethylbenzene	Ave	3.107	2.796		22.5	25.0	-10.0	20.0
4-Chlorotoluene	Ave	0.8887	0.8514		24.0	25.0	-4.2	20.0
tert-Butylbenzene	Ave	0.6649	0.6114		23.0	25.0	-8.1	20.0
1,2,4-Trimethylbenzene	Ave	3.105	2.854		23.0	25.0	-8.1	20.0
sec-Butylbenzene	Ave	3.915	3.503		22.4	25.0	-10.5	20.0
1,3-Dichlorobenzene	Ave	1.757	1.658	0.6000	23.6	25.0	-5.6	20.0
4-Isopropyltoluene	Ave	3.404	3.085		22.7	25.0	-9.4	20.0
1,4-Dichlorobenzene	Ave	1.810	1.680	0.5000	23.2	25.0	-7.2	20.0
n-Butylbenzene	Ave	3.067	2.752		22.4	25.0	-10.3	20.0
1,2-Dichlorobenzene	Ave	1.740	1.630	0.4000	23.4	25.0	-6.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Lab Sample ID: CCVIS 480-552557/3 Calibration Date: 10/06/2020 08:26

Instrument ID: HP5973S Calib Start Date: 08/14/2020 13:35

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 08/14/2020 16:18

Lab File ID: S2373.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2034	0.1465	0.0500	18.0	25.0	-27.9	50.0
1,2,4-Trichlorobenzene	Ave	1.264	1.093	0.2000	21.6	25.0	-13.5	20.0
Hexachlorobutadiene	Ave	0.5115	0.4655		22.8	25.0	-9.0	20.0
Naphthalene	Ave	3.778	2.689		17.8	25.0	-28.8*	20.0
1,2,3-Trichlorobenzene	Ave	1.231	0.9550		19.4	25.0	-22.4*	20.0
Dibromofluoromethane (Surr)	Ave	1.215	1.347		27.7	25.0	10.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8179	0.8275		25.3	25.0	1.2	20.0
Toluene-d8 (Surr)	Ave	2.365	2.354		24.9	25.0	-0.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7463	0.7755		26.0	25.0	3.9	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2373.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Oct-2020 08:26:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0093912-003
Operator ID: AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Oct-2020 08:56:48 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1639

First Level Reviewer: moffata Date: 06-Oct-2020 08:55:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	119353	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	85	269259	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.730	10.730	0.000	95	281703	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	59	160738	25.0	27.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	51	98769	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	85	633739	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	90	208823	25.0	26.0	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	98	220960	25.0	26.7	
12 Chloromethane	50	1.422	1.422	0.000	87	172434	25.0	18.5	
13 Vinyl chloride	62	1.501	1.501	0.000	60	179200	25.0	21.6	
151 Butadiene	54	1.501	1.501	0.000	86	180356	25.0	20.3	
14 Bromomethane	94	1.799	1.799	0.000	93	129196	25.0	23.4	
15 Chloroethane	64	1.866	1.866	0.000	94	116150	25.0	21.2	
16 Dichlorofluoromethane	67	2.091	2.091	0.000	80	281375	25.0	24.0	
17 Trichlorofluoromethane	101	2.091	2.091	0.000	65	285049	25.0	26.7	
18 Ethyl ether	59	2.365	2.365	0.000	91	153607	25.0	22.6	
20 Acrolein	56	2.547	2.547	0.000	94	92696	125.0	71.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.578	2.578	0.000	66	165910	25.0	29.4	
22 1,1-Dichloroethene	96	2.584	2.584	0.000	97	149712	25.0	26.7	
23 Acetone	43	2.705	2.705	0.000	98	365931	125.0	106.2	
25 Iodomethane	142	2.736	2.736	0.000	98	282171	25.0	27.5	
26 Carbon disulfide	76	2.778	2.778	0.000	99	469642	25.0	24.0	
28 3-Chloro-1-propene	41	2.955	2.955	0.000	84	245343	25.0	21.0	
27 Methyl acetate	43	3.003	3.003	0.000	95	301318	50.0	39.5	
30 Methylene Chloride	84	3.101	3.101	0.000	88	182153	25.0	27.0	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	93	225643	250.0	199.1	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	92	563322	25.0	25.2	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	92	172046	25.0	25.7	
33 Acrylonitrile	53	3.387	3.387	0.000	99	781470	250.0	203.2	
35 Hexane	57	3.514	3.514	0.000	92	256118	25.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	86	293138	25.0	23.7	
37 Vinyl acetate	43	3.800	3.800	0.000	98	708816	50.0	45.2	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	91	177741	25.0	25.7	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	66	199400	25.0	26.4	
43 2-Butanone (MEK)	43	4.342	4.342	0.000	98	515012	125.0	101.1	
48 Chlorobromomethane	128	4.536	4.536	0.000	88	106597	25.0	27.3	
49 Tetrahydrofuran	42	4.549	4.549	0.000	86	130925	50.0	36.1	
50 Chloroform	83	4.616	4.616	0.000	81	316278	25.0	25.4	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	95	276154	25.0	28.2	
52 Cyclohexane	56	4.725	4.725	0.000	87	285049	25.0	23.6	
55 Carbon tetrachloride	117	4.859	4.859	0.000	80	240683	25.0	30.2	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	90	233341	25.0	25.1	
57 Benzene	78	5.078	5.078	0.000	96	692356	25.0	24.1	
53 Isobutyl alcohol	43	5.108	5.108	0.000	93	197413	625.0	500.7	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	79	275619	25.0	25.4	
59 n-Heptane	43	5.254	5.254	0.000	89	251666	25.0	22.0	
62 Trichloroethene	95	5.686	5.686	0.000	96	182067	25.0	25.4	
64 Methylcyclohexane	83	5.802	5.802	0.000	88	311192	25.0	26.3	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	87	165199	25.0	23.3	
67 Dibromomethane	93	6.070	6.070	0.000	91	122808	25.0	27.1	
66 1,4-Dioxane	88	6.076	6.076	0.000	46	49868	500.0	405.1	
68 Dichlorobromomethane	83	6.222	6.222	0.000	92	240999	25.0	26.9	
69 2-Chloroethyl vinyl ether	63	6.501	6.501	0.000	93	125589	25.0	23.7	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	87	284252	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	96	1080735	125.0	97.2	
74 Toluene	92	6.921	6.921	0.000	94	463954	25.0	23.4	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	93	279661	25.0	23.7	
75 Ethyl methacrylate	69	7.256	7.256	0.000	72	242731	25.0	23.0	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	89	141365	25.0	22.3	
81 Tetrachloroethene	166	7.450	7.450	0.000	79	198017	25.0	24.7	
82 1,3-Dichloropropane	76	7.554	7.554	0.000	94	292774	25.0	22.8	
80 2-Hexanone	43	7.627	7.627	0.000	97	771467	125.0	100.5	
83 Chlorodibromomethane	129	7.791	7.791	0.000	89	183322	25.0	26.0	
84 Ethylene Dibromide	107	7.895	7.895	0.000	98	184162	25.0	23.9	
87 Chlorobenzene	112	8.369	8.369	0.000	94	530300	25.0	24.4	
88 Ethylbenzene	91	8.460	8.460	0.000	98	873028	25.0	23.5	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	43	181305	25.0	26.3	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	99	354928	25.0	25.1	
91 o-Xylene	106	9.008	9.008	0.000	97	348274	25.0	24.3	
92 Styrene	104	9.038	9.038	0.000	93	589653	25.0	24.9	
95 Bromoform	173	9.288	9.288	0.000	94	115354	25.0	25.6	
94 Isopropylbenzene	105	9.391	9.391	0.000	95	910834	25.0	22.4	
101 Bromobenzene	156	9.738	9.738	0.000	94	235359	25.0	23.7	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	81	234962	25.0	20.3	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	1093615	25.0	22.4	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	64	85755	25.0	21.5	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	69	78128	25.0	19.5	
103 2-Chlorotoluene	126	9.927	9.927	0.000	96	226983	25.0	23.2	
102 1,3,5-Trimethylbenzene	105	10.000	10.000	0.000	85	787606	25.0	22.5	
105 4-Chlorotoluene	126	10.042	10.042	0.000	95	239848	25.0	24.0	
106 tert-Butylbenzene	134	10.322	10.322	0.000	86	172233	25.0	23.0	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	44	803996	25.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	986860	25.0	22.4	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	72	467116	25.0	23.6	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	96	869143	25.0	22.7	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	473314	25.0	23.2	
115 n-Butylbenzene	91	11.058	11.058	0.000	94	775350	25.0	22.4	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	92	459038	25.0	23.4	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	75	41275	25.0	18.0	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	93	307963	25.0	21.6	
120 Hexachlorobutadiene	225	12.615	12.615	0.000	93	131131	25.0	22.8	
121 Naphthalene	128	12.725	12.725	0.000	97	757437	25.0	17.8	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	95	269036	25.0	19.4	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00194	Amount Added: 12.50	Units: uL	
GAS CORP mix_00421	Amount Added: 12.50	Units: uL	
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00370	Amount Added: 1.00	Units: uL	Run Reagent

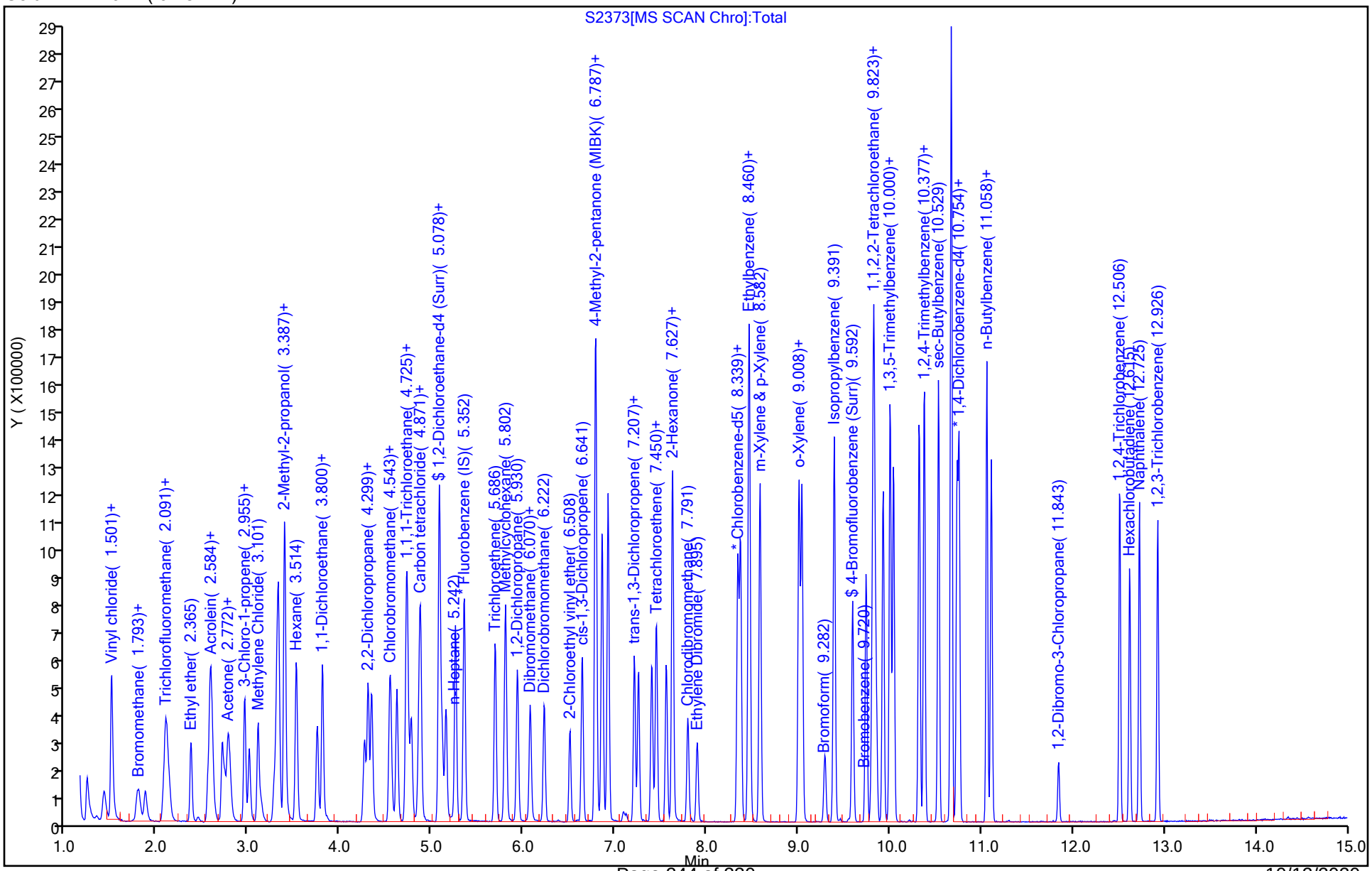
Report Date: 06-Oct-2020 08:56:49 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2373.D

Injection Date:	06-Oct-2020 08:26:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5715.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	09-Sep-2020 13:42:30	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0093301-006				
Operator ID:	LH	Instrument ID:	HP5973N		
Method:	\\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	10-Sep-2020 13:27:38	Calib Date:	09-Sep-2020 22:36:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1030				
First Level Reviewer: HillL		Date:	09-Sep-2020 13:53:27		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	5.264	5.264	0.000	86	268361	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

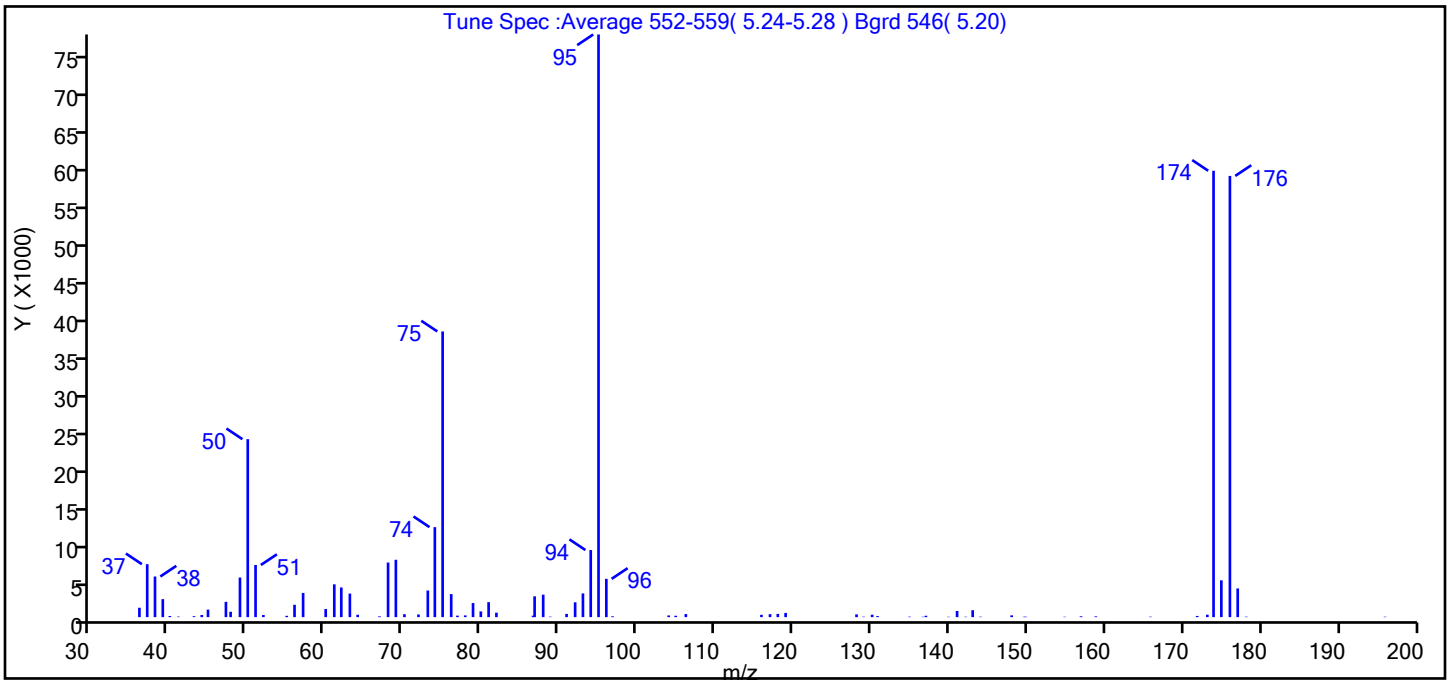
BFB_WRK_00109 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5715.D
Injection Date: 09-Sep-2020 13:42:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	30.5
75	30 to 60% of m/z 95	49.0
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.4 (0.6)
174	50 to 120% of m/z 95	76.6
175	5 to 9% of m/z 174	6.3 (8.2)
176	Greater than 95% but less than 101% of m/z 174	75.7 (98.8)
177	5 to 9% of m/z 176	4.9 (6.5)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5715.D\N-8260.rslt\spectra.d
Injection Date: 09-Sep-2020 13:42:30
Spectrum: Tune Spec :Average 552-559(5.24-5.28) Bgrd 546(5.20)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 83

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1254	63.00	3142	91.00	430	140.00	51
37.00	7064	64.00	317	92.00	1982	141.00	821
38.00	5419	67.00	107	93.00	3167	142.00	54
39.00	2403	68.00	7285	94.00	8951	143.00	928
40.00	147	69.00	7653	95.00	77712	144.00	61
41.00	74	70.00	390	96.00	5109	148.00	240
43.00	125	72.00	358	97.00	115	150.00	50
44.00	284	73.00	3551	104.00	227	150.00	54
45.00	1006	74.00	12005	105.00	188	155.00	51
47.00	2042	75.00	38104	106.00	408	157.00	114
48.00	719	76.00	3073	116.00	312	159.00	105
49.00	5282	77.00	202	117.00	396	166.00	62
50.00	23736	78.00	233	118.00	433	172.00	160
51.00	6958	79.00	1880	119.00	559	173.00	328
52.00	286	80.00	765	128.00	370	174.00	59536
55.00	177	81.00	2002	129.00	59	175.00	4909
56.00	1647	82.00	596	130.00	322	176.00	58848
57.00	3228	87.00	194	131.00	137	177.00	3827
60.00	1081	87.00	2776	135.00	66	178.00	62
61.00	4376	88.00	2998	137.00	50	196.00	57
62.00	3958	89.00	65	137.00	186		

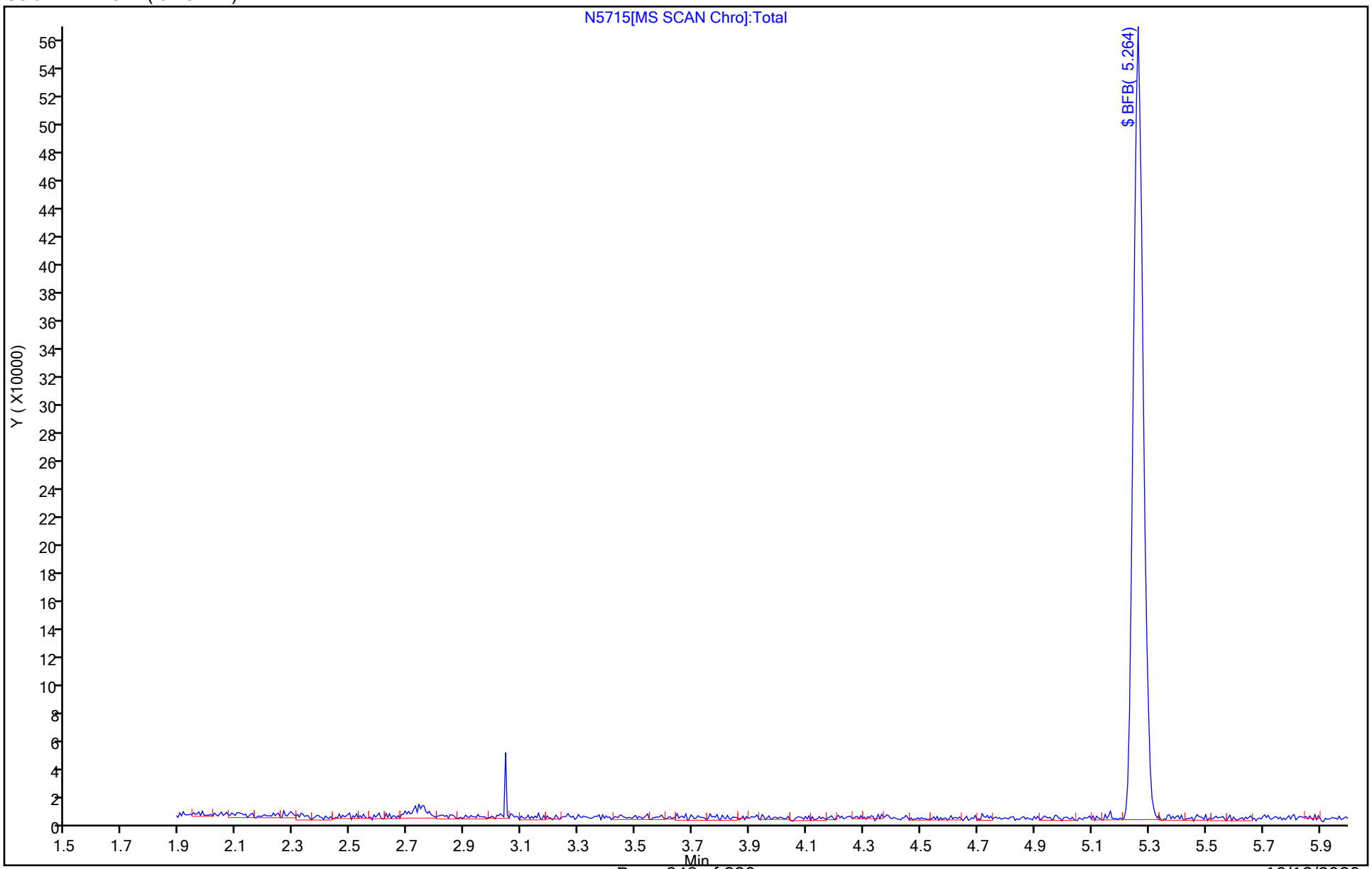
Report Date: 10-Sep-2020 13:27:39 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5715.D

Injection Date:	09-Sep-2020 13:42:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6489.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 05-Oct-2020 08:17:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0093886-002
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 05-Oct-2020 08:31:29 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: moffata Date: 05-Oct-2020 08:31:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	5.239	5.239	0.000	83	141831	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

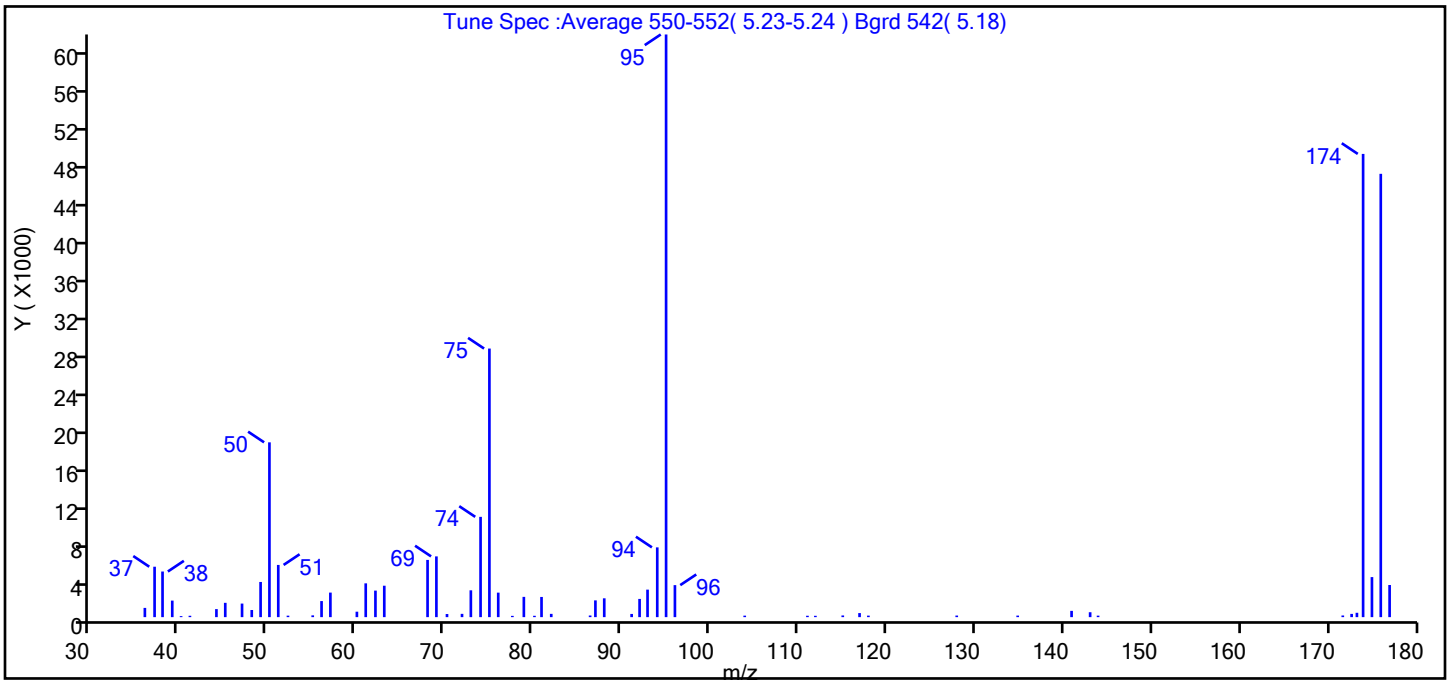
BFB_WRK_00110 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6489.D
Injection Date: 05-Oct-2020 08:17:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	30.0
75	30 to 60% of m/z 95	46.1
96	5 to 9% of m/z 95	5.5
173	Less than 2% of m/z 174	1.3 (1.6)
174	50 to 120% of m/z 95	79.5
175	5 to 9% of m/z 174	6.9 (8.6)
176	Greater than 95% but less than 101% of m/z 174	76.1 (95.7)
177	5 to 9% of m/z 176	5.5 (7.2)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6489.D\N-8260.rslt\spectra.d
Injection Date: 05-Oct-2020 08:17:30
Spectrum: Tune Spec :Average 550-552(5.23-5.24) Bgrd 542(5.18)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	980	57.00	2603	81.00	2141	118.00	162
37.00	5347	60.00	578	82.00	348	128.00	169
38.00	4838	61.00	3584	86.00	173	135.00	164
39.00	1754	62.00	2814	87.00	1777	141.00	666
40.00	108	63.00	3332	88.00	1997	143.00	521
41.00	146	68.00	6067	91.00	340	144.00	159
44.00	852	69.00	6442	92.00	1932	172.00	176
45.00	1518	70.00	331	93.00	2918	173.00	344
47.00	1439	72.00	349	94.00	7399	173.00	462
48.00	757	73.00	2845	95.00	61784	174.00	49120
49.00	3730	74.00	10634	96.00	3395	175.00	4246
50.00	18536	75.00	28480	104.00	159	176.00	47008
51.00	5536	76.00	2598	111.00	147	177.00	3408
52.00	157	78.00	136	112.00	143		
55.00	189	79.00	2150	115.00	179		
56.00	1705	80.00	144	117.00	432		

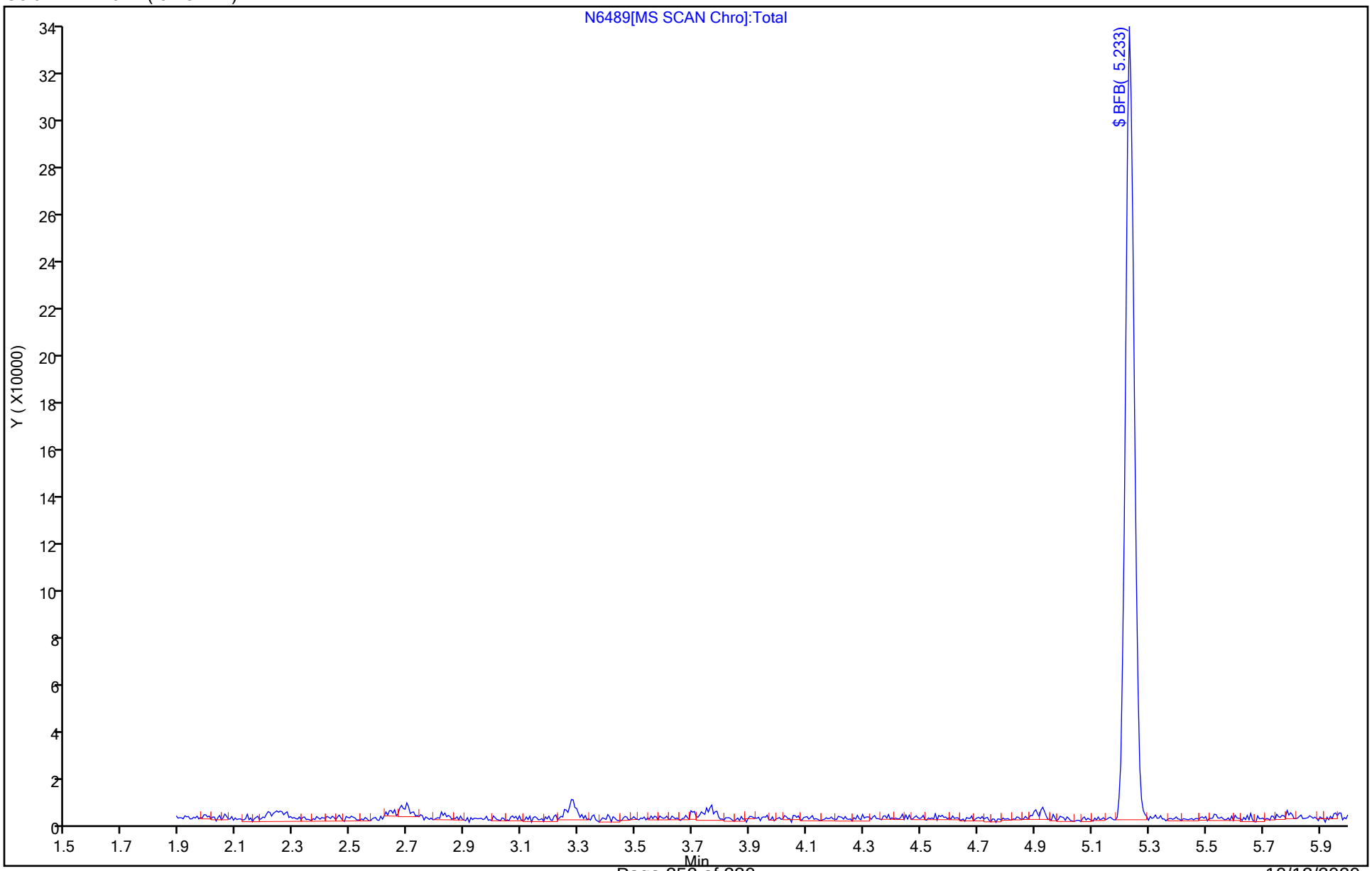
Report Date: 05-Oct-2020 08:31:29 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6489.D

Injection Date:	05-Oct-2020 08:17:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0620.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Aug-2020 12:26:30 ALS Bottle#: 1 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0092768-005
Operator ID: LH Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:28:41 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 14-Aug-2020 12:34:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.705	3.705	0.000	0	383380	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

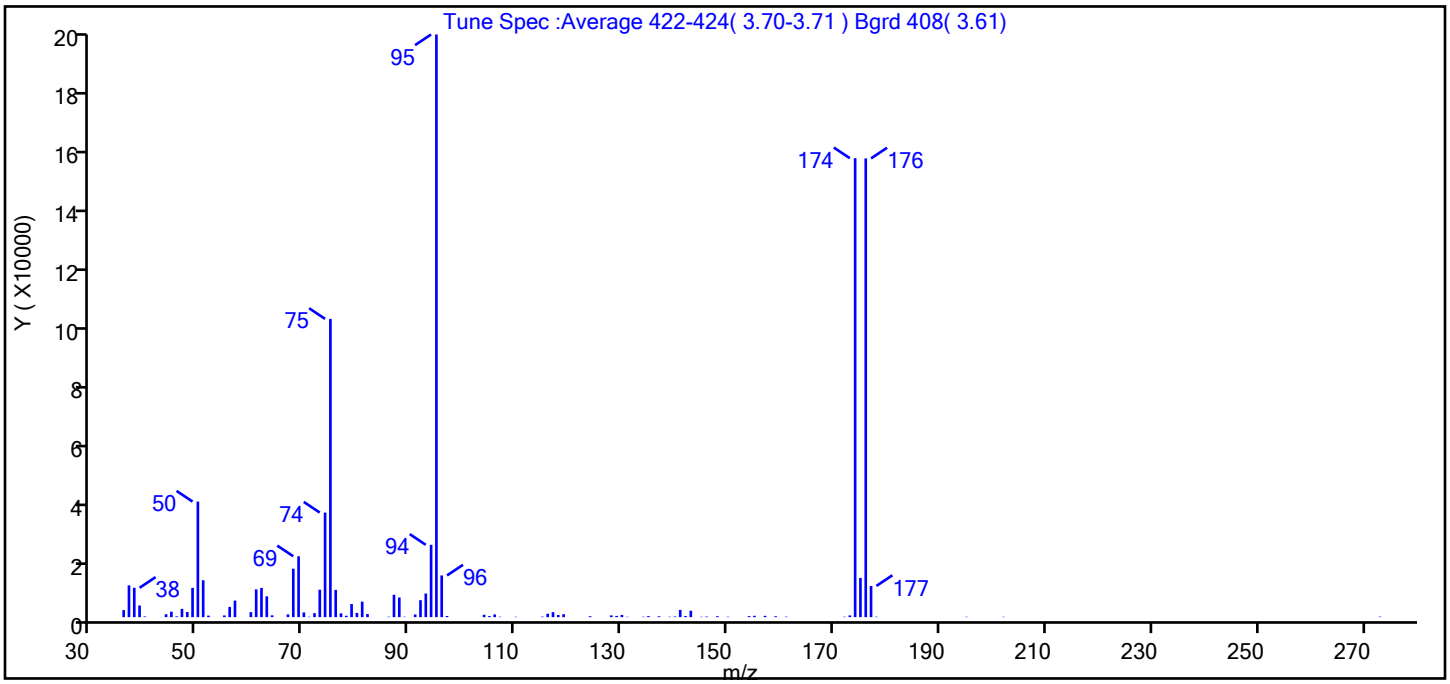
BFB_WRK_00109 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0620.D
Injection Date: 14-Aug-2020 12:26:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 1 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.8
75	30 to 60% of m/z 95	51.2
96	5 to 9% of m/z 95	7.2
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	78.8
175	5 to 9% of m/z 174	6.7 (8.5)
176	Greater than 95% but less than 101% of m/z 174	78.7 (100.0)
177	5 to 9% of m/z 176	5.4 (6.8)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0620.D\S-8260.rslt\spectra.d
Injection Date: 14-Aug-2020 12:26:30
Spectrum: Tune Spec :Average 422-424(3.70-3.71) Bgrd 408(3.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2306	68.00	15852	95.00	190784	141.00	2368
37.00	10412	69.00	19936	96.00	13652	142.00	370
38.00	9613	70.00	1541	97.00	386	143.00	2103
39.00	3816	71.00	128	104.00	775	145.00	117
40.00	217	72.00	1300	105.00	346	146.00	196
44.00	955	73.00	8982	106.00	893	148.00	309
45.00	1795	74.00	34240	107.00	135	150.00	135
46.00	254	75.00	97664	110.00	117	154.00	335
47.00	2712	76.00	8924	115.00	171	155.00	444
48.00	1686	77.00	1243	116.00	1119	157.00	424
49.00	9586	78.00	457	117.00	1633	159.00	300
50.00	37840	79.00	4289	118.00	697	161.00	159
51.00	12076	80.00	1386	119.00	968	172.00	132
52.00	502	81.00	5079	124.00	303	173.00	569
55.00	559	82.00	1025	128.00	573	174.00	150272
56.00	3351	86.00	139	129.00	402	175.00	12848
57.00	5431	87.00	7325	130.00	722	176.00	150208
60.00	1641	88.00	6430	131.00	117	177.00	10213
61.00	9101	89.00	132	134.00	130	178.00	141
62.00	9569	91.00	871	135.00	332	195.00	122
63.00	6812	92.00	5554	137.00	282	202.00	117
64.00	592	93.00	7743	139.00	127	273.00	159
67.00	901	94.00	23688	140.00	215		

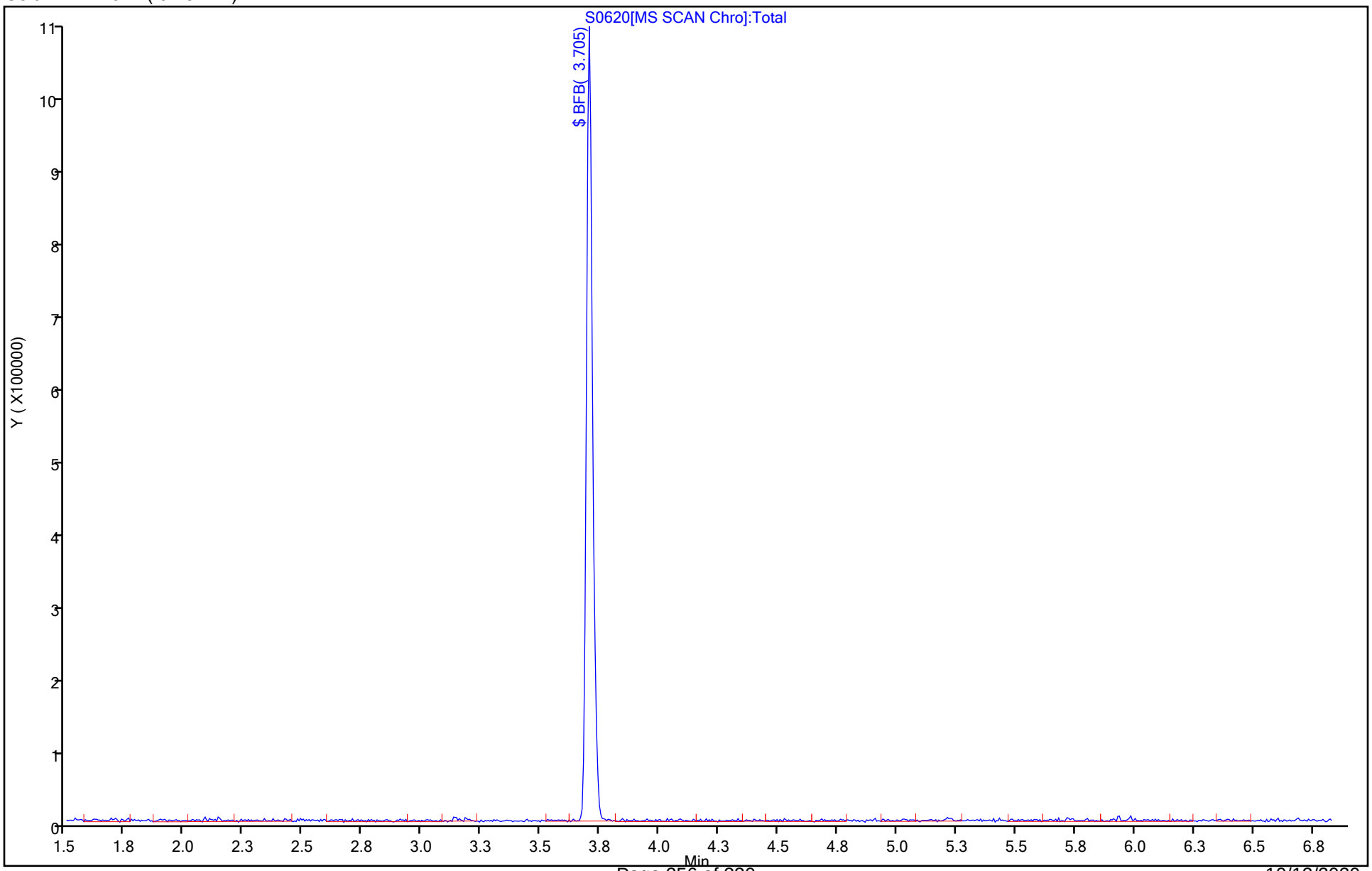
Report Date: 16-Aug-2020 16:28:41 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0620.D

Injection Date:	14-Aug-2020 12:26:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200816-92788.b\S0649.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 16-Aug-2020 19:08:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0092788-002
Operator ID: CDC Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200816-92788.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 19:44:14 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1069

First Level Reviewer: cwiklinc Date: 16-Aug-2020 19:44:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.656	3.656	0.000	0	216234	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

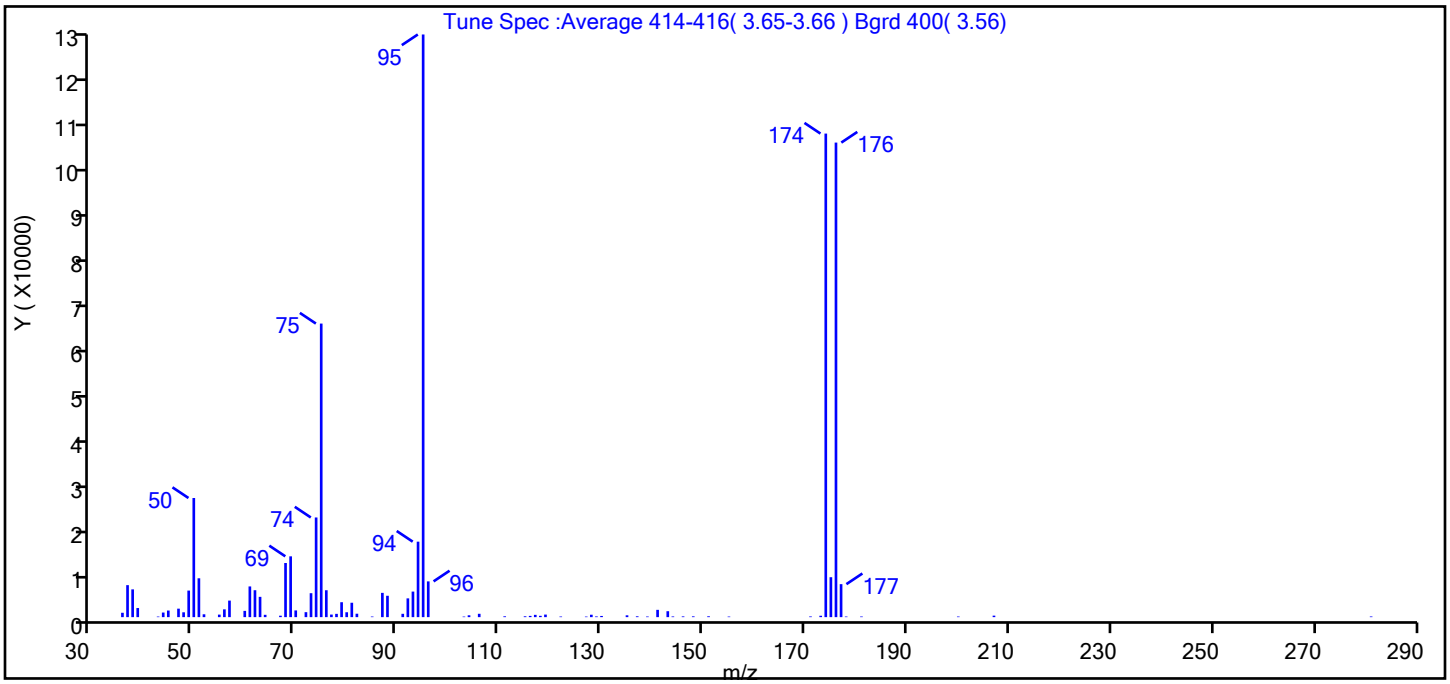
BFB_WRK_00109 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200816-92788.b\S0649.D
Injection Date: 16-Aug-2020 19:08:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.4
75	30 to 60% of m/z 95	50.4
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	0.2 (0.3)
174	50 to 120% of m/z 95	83.0
175	5 to 9% of m/z 174	6.9 (8.3)
176	Greater than 95% but less than 101% of m/z 174	81.4 (98.1)
177	5 to 9% of m/z 176	5.7 (7.0)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200816-92788.b\S0649.D\S-8260.rslt\spectra.d
Injection Date: 16-Aug-2020 19:08:30
Spectrum: Tune Spec :Average 414-416(3.65-3.66) Bgrd 400(3.56)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 80

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	920	64.00	490	92.00	3951	137.00	179
37.00	6734	67.00	301	93.00	5380	139.00	134
38.00	5845	68.00	11394	94.00	15884	141.00	1536
39.00	1919	69.00	12798	95.00	122624	143.00	1249
43.00	123	70.00	1414	96.00	7526	144.00	146
44.00	969	72.00	1048	103.00	118	146.00	156
45.00	1389	73.00	5041	104.00	390	148.00	167
47.00	1785	74.00	20976	106.00	707	151.00	178
48.00	1021	75.00	61784	111.00	175	155.00	123
49.00	5590	76.00	5663	115.00	179	171.00	147
50.00	25072	77.00	544	116.00	262	173.00	291
51.00	8177	78.00	693	117.00	482	174.00	101768
52.00	603	79.00	3141	118.00	277	175.00	8404
55.00	533	80.00	1028	119.00	540	176.00	99872
56.00	1641	81.00	3030	122.00	132	177.00	6944
57.00	3483	82.00	720	127.00	122	178.00	129
60.00	1317	85.00	129	128.00	509	181.00	133
61.00	6463	87.00	5109	129.00	149	200.00	129
62.00	5667	88.00	4497	130.00	251	207.00	315
63.00	4272	91.00	702	135.00	384	281.00	141

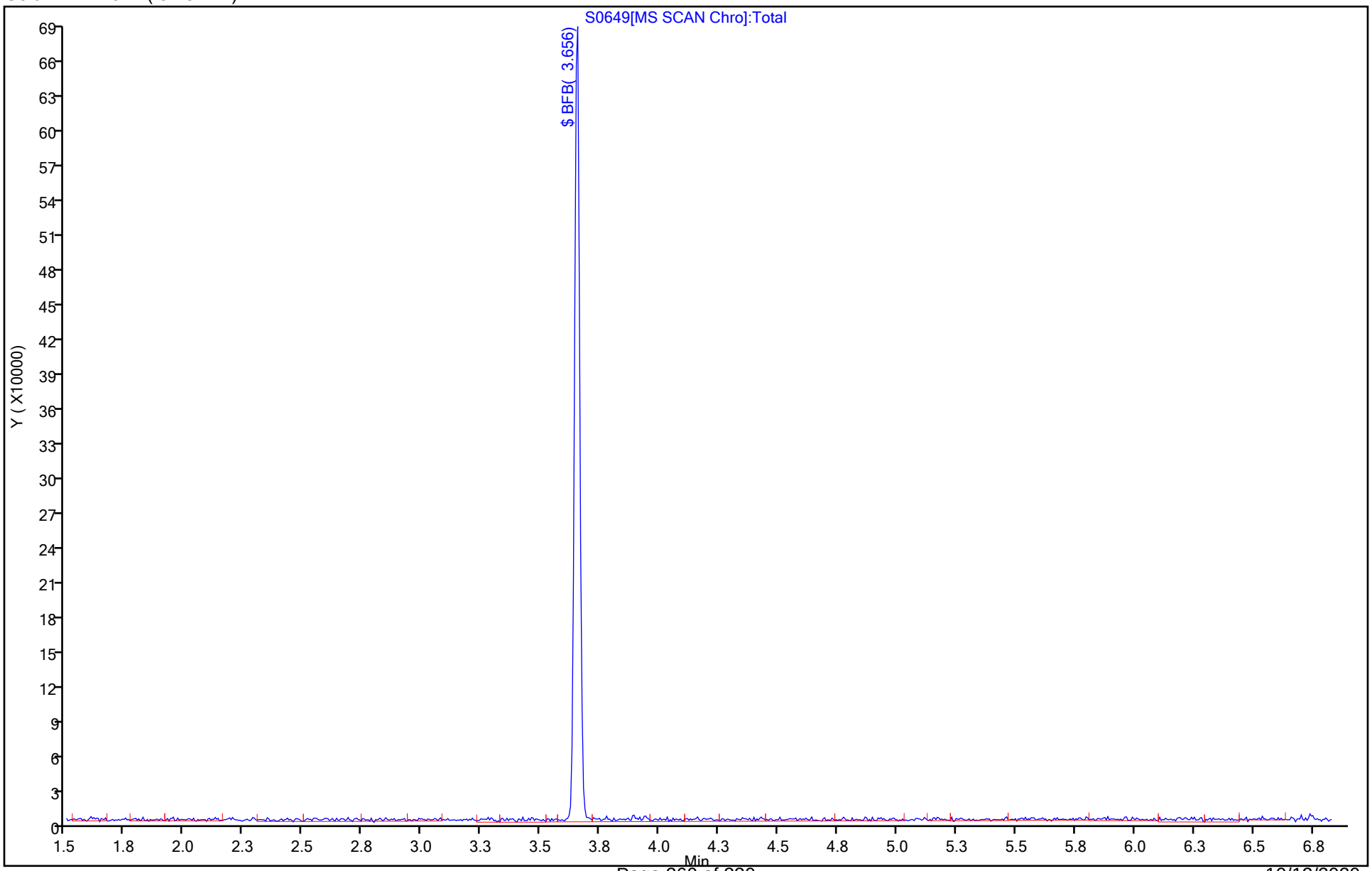
Report Date: 16-Aug-2020 19:44:14 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200816-92788.b\S0649.D

Injection Date:	16-Aug-2020 19:08:30	Instrument ID:	HP5973S	Operator ID:	CDC
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2372.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	06-Oct-2020 08:01:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0093912-002				
Operator ID:	AM	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	06-Oct-2020 08:09:51	Calib Date:	15-Aug-2020 12:16:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1639				
First Level Reviewer: moffata		Date:	06-Oct-2020 08:09:51		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.668	3.668	0.000	0	313186	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

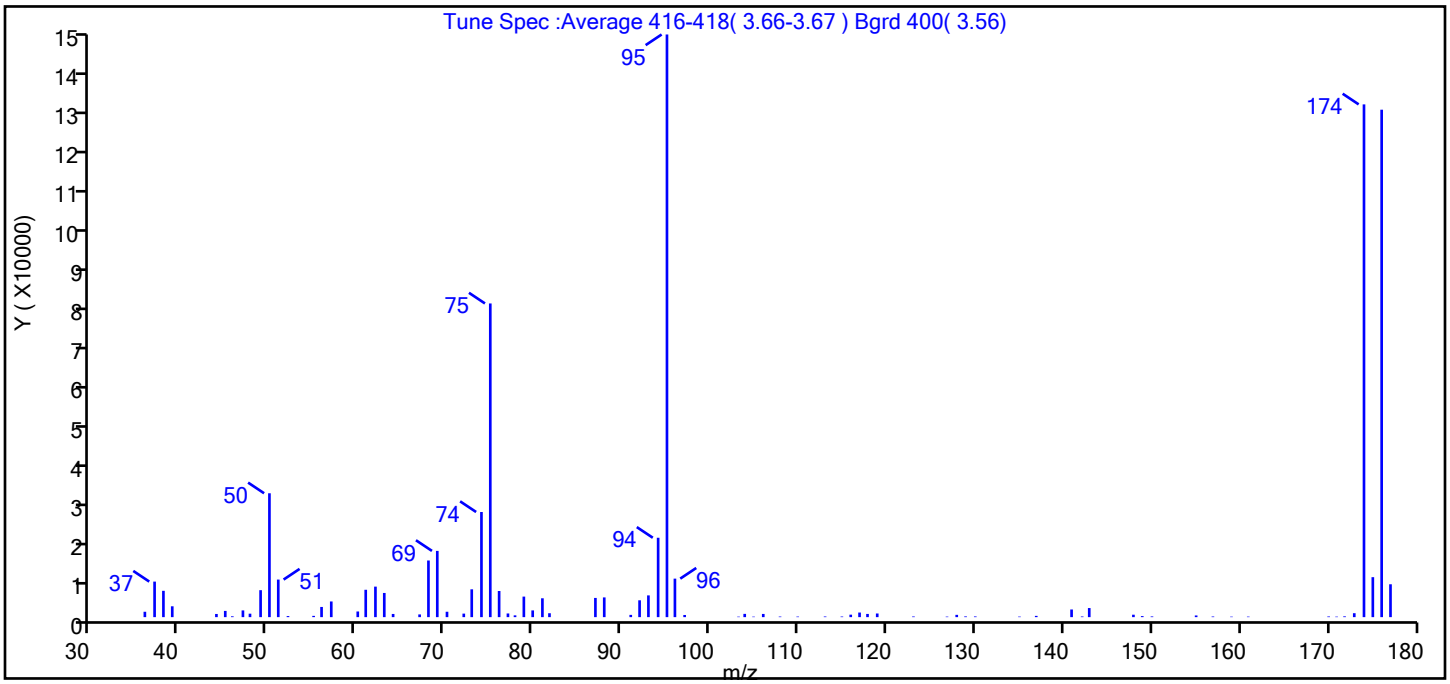
BFB_WRK_00110 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2372.D
Injection Date: 06-Oct-2020 08:01:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.3
75	30 to 60% of m/z 95	53.8
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.7 (0.8)
174	50 to 120% of m/z 95	88.0
175	5 to 9% of m/z 174	6.9 (7.8)
176	Greater than 95% but less than 101% of m/z 174	87.1 (99.0)
177	5 to 9% of m/z 176	5.6 (6.5)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2372.D\S-8260.rslt\spectra.d
Injection Date: 06-Oct-2020 08:01:30
Spectrum: Tune Spec :Average 416-418(3.66-3.67) Bgrd 400(3.56)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1294	67.00	655	95.00	140096	137.00	305
37.00	8546	68.00	13620	96.00	9258	141.00	1842
38.00	6330	69.00	15926	97.00	518	142.00	158
39.00	2609	70.00	1298	103.00	119	143.00	2185
44.00	764	72.00	849	104.00	787	148.00	586
45.00	1498	73.00	6690	105.00	121	149.00	248
46.00	199	74.00	25280	106.00	771	150.00	169
47.00	1620	75.00	75424	108.00	142	155.00	405
48.00	833	76.00	6285	110.00	136	157.00	154
49.00	6484	77.00	884	113.00	157	159.00	119
50.00	29784	78.00	430	115.00	148	161.00	128
51.00	9033	79.00	4940	116.00	595	170.00	160
52.00	258	80.00	1621	117.00	1106	171.00	124
55.00	306	81.00	4535	118.00	773	172.00	188
56.00	2450	82.00	941	119.00	877	173.00	948
57.00	3770	87.00	4619	123.00	158	174.00	123288
60.00	1361	88.00	4744	127.00	129	175.00	9611
61.00	6579	91.00	546	128.00	552	176.00	122008
62.00	7338	92.00	4052	129.00	177	177.00	7905
63.00	5815	93.00	5230	130.00	168		
64.00	766	94.00	19088	135.00	132		

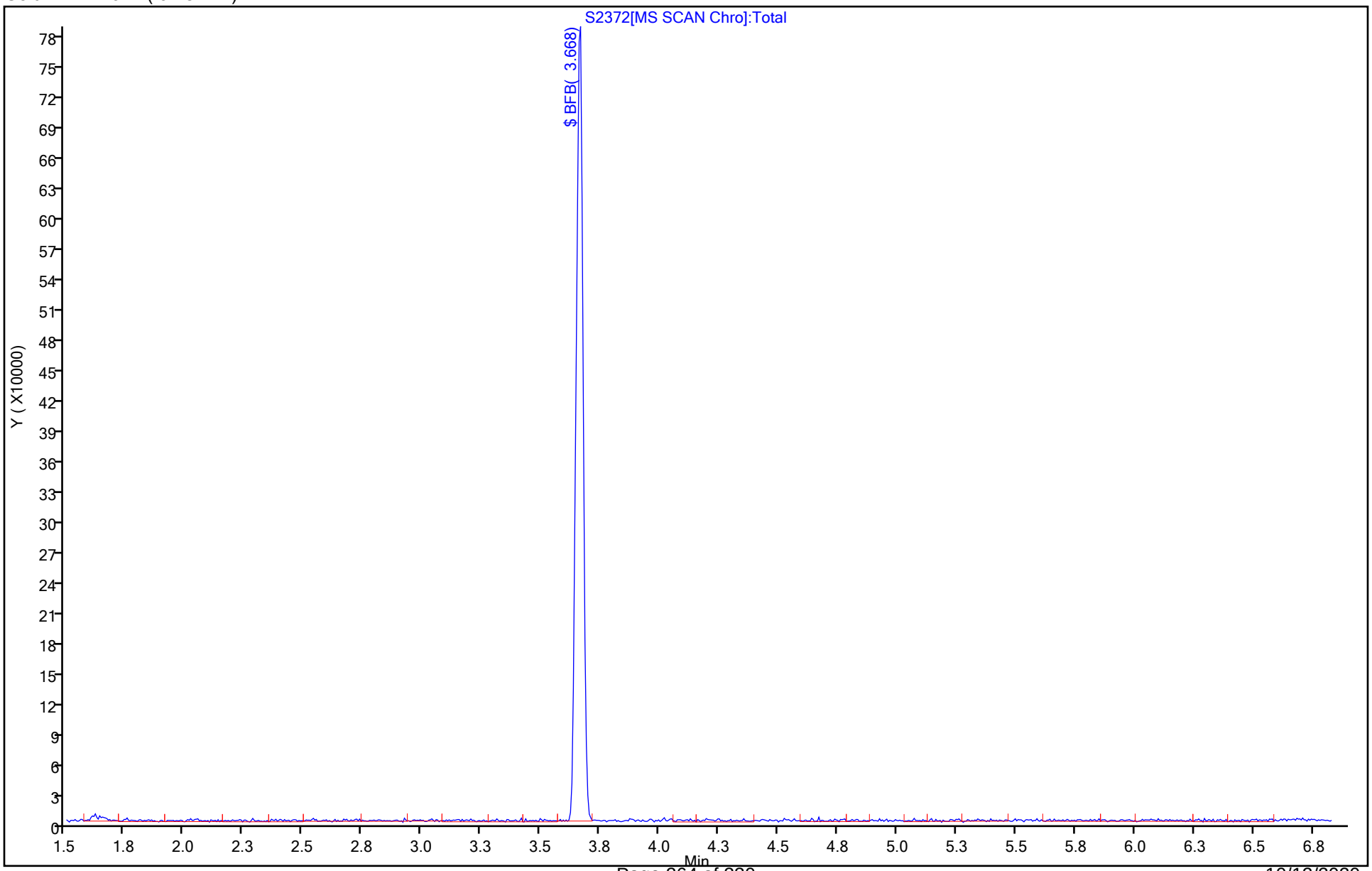
Report Date: 06-Oct-2020 08:09:51 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2372.D

Injection Date:	06-Oct-2020 08:01:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-552406/7

Matrix: Water Lab File ID: N6494.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 10:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-552406/7

Matrix: Water Lab File ID: N6494.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 10:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6494.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 05-Oct-2020 10:22:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0093886-007
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 05-Oct-2020 10:41:17 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: moffata Date: 05-Oct-2020 10:41:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.701	5.695	0.006	97	145569	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	91	515608	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	95	283737	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.006	92	192294	25.0	24.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.428	5.421	0.007	97	265716	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	710130	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	91	222810	25.0	26.3	
11 Dichlorodifluoromethane	85		1.370					ND	
12 Chlorodifluoromethane	51		1.400					ND	
13 Chloromethane	50		1.571					ND	
14 Vinyl chloride	62		1.674					ND	
144 Butadiene	54		1.680					ND	
15 Bromomethane	94		2.009					ND	
16 Chloroethane	64		2.112					ND	
17 Dichlorofluoromethane	67		2.343					ND	
18 Trichlorofluoromethane	101		2.355					ND	
19 Ethyl ether	59		2.641					ND	
141 Ethanol	45		2.660					ND	
81 Propene oxide	58		2.739					ND	
20 Acrolein	56		2.836					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.879					ND	
22 1,1-Dichloroethene	96		2.879					ND	
23 Acetone	43		3.000					ND	
24 Iodomethane	142		3.067					ND	
25 Carbon disulfide	76		3.091					ND	
26 Isopropyl alcohol	45		3.189					ND	
27 3-Chloro-1-propene	41		3.256					ND	
28 Methyl acetate	43		3.304					ND	
29 Acetonitrile	40		3.317					ND	
30 Methylene Chloride	84	3.408	3.408	0.000	86	1225		0.1376	
31 2-Methyl-2-propanol	59		3.584					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.621					ND	
33 trans-1,2-Dichloroethene	96		3.645					ND	
34 Acrylonitrile	53		3.700					ND	
35 Hexane	57		3.840					ND	
36 1,1-Dichloroethane	63		4.071					ND	
37 Isopropyl ether	45		4.077					ND	
39 Vinyl acetate	43		4.120					ND	
38 2-Chloro-1,3-butadiene	53		4.132					ND	
40 1,1-Dimethoxyethane	75		4.156					ND	
41 Tert-butyl ethyl ether	59		4.424					ND	
42 2,2-Dichloropropane	77		4.600					ND	
43 cis-1,2-Dichloroethene	96		4.637					ND	
44 2-Butanone (MEK)	43		4.667					ND	
45 Ethyl acetate	43		4.698					ND	
46 Propionitrile	54		4.777					ND	
47 Chlorobromomethane	128		4.874					ND	
48 Methacrylonitrile	67		4.886					ND	
49 Tetrahydrofuran	42		4.892					ND	
50 Chloroform	83		4.953					ND	
51 1,1,1-Trichloroethane	97		5.069					ND	
52 Cyclohexane	56		5.075					ND	
53 Carbon tetrachloride	117		5.209					ND	
54 1,1-Dichloropropene	75		5.221					ND	
146 Isooctane	57		5.415					ND	
55 Benzene	78		5.428					ND	
56 Isobutyl alcohol	43		5.434					ND	
140 t-Amyl alcohol	59		5.494					ND	
58 Tert-amyl methyl ether	73		5.494					ND	
57 1,2-Dichloroethane	62		5.494					ND	
59 n-Heptane	43		5.598					ND	
1 1,4-Difluorobenzene	114		5.805					ND	
60 Trichloroethene	95		6.036					ND	
61 n-Butanol	56		6.060					ND	
62 Methylcyclohexane	83		6.158					ND	
145 Ethyl acrylate	55		6.158					ND	
63 1,2-Dichloropropane	63		6.285					ND	
65 Methyl methacrylate	41		6.371					ND	
66 1,4-Dioxane	88		6.425					ND	
64 Dibromomethane	93		6.425					ND	
67 Dichlorobromomethane	83		6.577					ND	
68 2-Nitropropane	43		6.827					ND	
69 2-Chloroethyl vinyl ether	63		6.845					ND	
70 Epichlorohydrin	57		6.948					ND	
71 cis-1,3-Dichloropropene	75		6.991					ND	
72 4-Methyl-2-pentanone (MIBK)	58		7.131					ND	
73 Toluene	92		7.283					ND	
74 2-Methylthiophene	97		7.423					ND	
75 trans-1,3-Dichloropropene	75		7.563					ND	
76 3-Methylthiophene	97		7.587					ND	
77 Ethyl methacrylate	69		7.599					ND	
78 1,1,2-Trichloroethane	83		7.758					ND	
79 Tetrachloroethene	166		7.818					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.916					ND	
82 2-Hexanone	43		7.977					ND	
149 n-Butyl acetate	43		8.080					ND	
83 Chlorodibromomethane	129		8.159					ND	
84 Ethylene Dibromide	107		8.269					ND	
139 1-Chlorohexane	55		8.682					ND	U
86 3-Chlorobenzotrifluoride	180		8.701					ND	
85 Chlorobenzene	112		8.743					ND	
87 4-Chlorobenzotrifluoride	180		8.761					ND	
88 Ethylbenzene	91		8.828					ND	
89 1,1,1,2-Tetrachloroethane	131		8.840					ND	
90 m-Xylene & p-Xylene	106		8.950					ND	
91 o-Xylene	106		9.382					ND	
92 Styrene	104		9.412					ND	
93 Bromoform	173		9.662					ND	
94 2-Chlorobenzotrifluoride	180		9.680					ND	
95 Isopropylbenzene	105		9.753					ND	
96 Cyclohexanone	55		9.936					ND	U
97 Bromobenzene	156		10.106					ND	
98 1,1,2,2-Tetrachloroethane	83		10.148					ND	
100 N-Propylbenzene	91		10.173					ND	
99 1,2,3-Trichloropropane	110		10.185					ND	
101 trans-1,4-Dichloro-2-butene	53		10.191					ND	
102 2-Chlorotoluene	126		10.282					ND	
104 1,3,5-Trimethylbenzene	105		10.343					ND	
103 3-Chlorotoluene	126		10.343					ND	
105 4-Chlorotoluene	91		10.392					ND	
106 tert-Butylbenzene	134		10.659					ND	
108 1,2,4-Trimethylbenzene	105		10.714					ND	
107 Pentachloroethane	167		10.720					ND	
109 sec-Butylbenzene	105		10.866					ND	
111 4-Isopropyltoluene	119		11.000					ND	
110 1,3-Dichlorobenzene	146		11.006					ND	
112 Dicyclopentadiene	66		11.073					ND	
113 1,4-Dichlorobenzene	146		11.097					ND	
114 1,2,3-Trimethylbenzene	105		11.116					ND	
143 Benzyl chloride	126		11.237					ND	
115 n-Butylbenzene	91		11.383					ND	
116 1,2-Dichlorobenzene	146		11.444					ND	
117 1,2-Dibromo-3-Chloropropane	75		12.168					ND	
118 1,3,5-Trichlorobenzene	180		12.296					ND	
119 1,2,4-Trichlorobenzene	180		12.837					ND	
120 Hexachlorobutadiene	225		12.947					ND	
121 Naphthalene	128		13.056					ND	
122 1,2,3-Trichlorobenzene	180		13.257					ND	
142 2-Methylnaphthalene	142		13.963					ND	
138 1-Bromopropane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
133 Halothane	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 126 Xylenes, Total	1		30.000					ND	7
S 125 Total BTEX	1		30.000					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 124 1,2-Dichloroethene, Total	1		30.000					ND	7
S 123 1,3-Dichloropropene, Total	1		30.000					ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00199	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00401	Amount Added:	1.00	Units: uL	Run Reagent

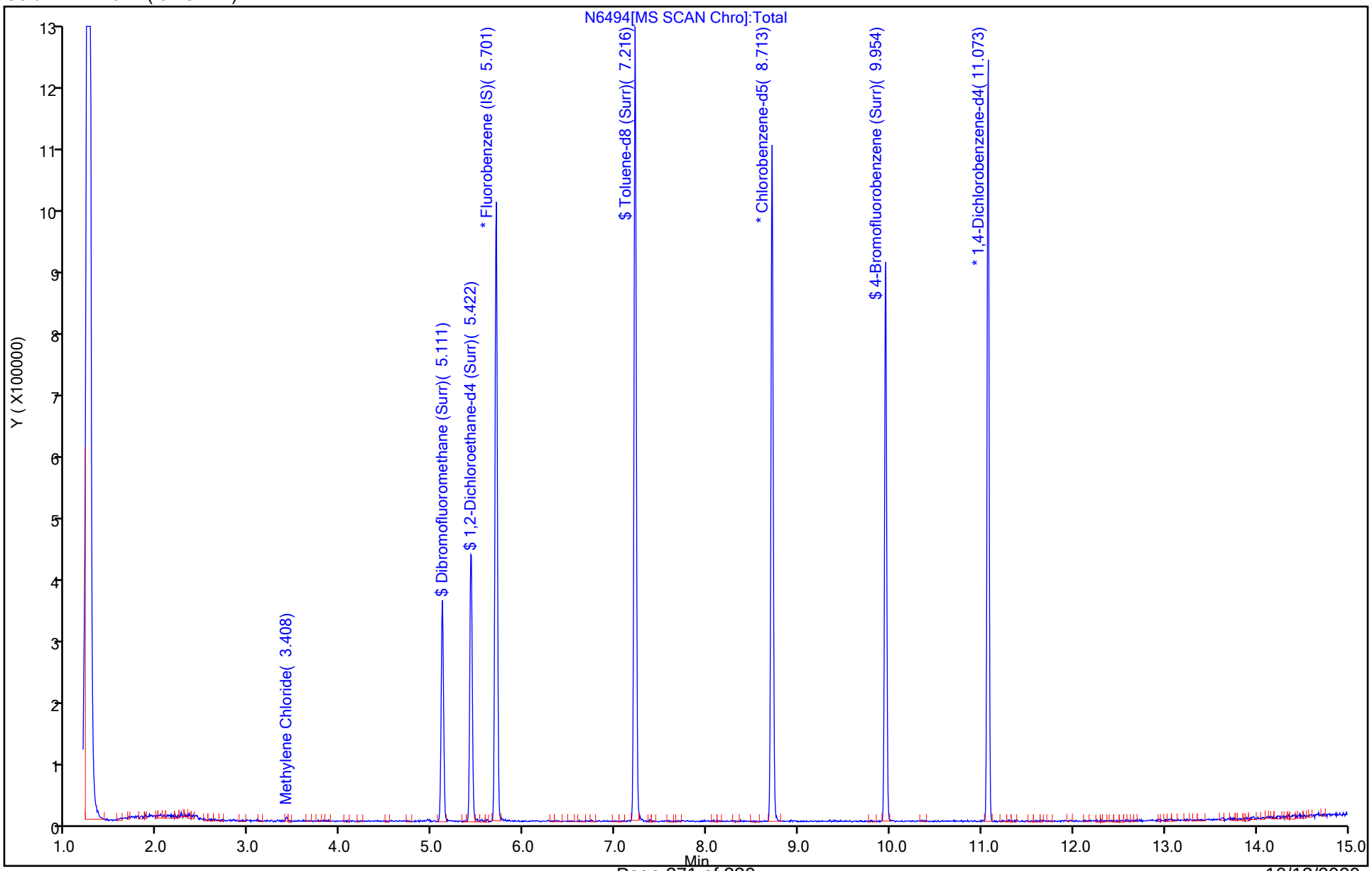
Report Date: 05-Oct-2020 10:41:17 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6494.D

Injection Date:	05-Oct-2020 10:22:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-552557/7

Matrix: Water Lab File ID: S2377.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/06/2020 09:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552557 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-552557/7

Matrix: Water Lab File ID: S2377.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/06/2020 09:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552557 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	114		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2377.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 06-Oct-2020 09:59:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0093912-007
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Oct-2020 10:30:21 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1639

First Level Reviewer: moffata Date: 06-Oct-2020 10:30:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	122970	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	84	258878	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.729	10.729	0.000	95	275866	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	62	171064	25.0	28.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	91	104679	25.0	26.0	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	94	631908	25.0	25.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	205871	25.0	26.6	
10 Dichlorodifluoromethane	85		1.233					ND	
11 Chlorodifluoromethane	51		1.251					ND	
12 Chloromethane	50		1.422					ND	
151 Butadiene	54		1.501					ND	
13 Vinyl chloride	62		1.501					ND	
14 Bromomethane	94		1.799					ND	
15 Chloroethane	64		1.866					ND	
16 Dichlorofluoromethane	67		2.091					ND	
17 Trichlorofluoromethane	101		2.091					ND	
18 Ethyl ether	59		2.365					ND	
148 Ethanol	45		2.383					ND	
19 Propene oxide	58		2.456					ND	
20 Acrolein	56		2.547					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.578					ND	
22 1,1-Dichloroethene	96		2.584					ND	
23 Acetone	43		2.705					ND	
25 Iodomethane	142		2.736					ND	
26 Carbon disulfide	76		2.778					ND	
24 Isopropyl alcohol	45		2.900					ND	
28 3-Chloro-1-propene	41		2.955					ND	
27 Methyl acetate	43		3.003					ND	
29 Acetonitrile	40		3.022					ND	U
30 Methylene Chloride	84		3.101					ND	7
31 2-Methyl-2-propanol	59		3.277					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.308					ND	
34 trans-1,2-Dichloroethene	96		3.326					ND	
33 Acrylonitrile	53		3.387					ND	
35 Hexane	57		3.514					ND	
39 1,1-Dichloroethane	63		3.746					ND	
36 Isopropyl ether	45		3.752					ND	
40 2-Chloro-1,3-butadiene	53		3.800					ND	
37 Vinyl acetate	43		3.800					ND	
139 Halothane	117		3.822					ND	
38 1,1-Dimethoxyethane	75		3.831					ND	
41 Tert-butyl ethyl ether	59		4.098					ND	
44 2,2-Dichloropropane	77		4.263					ND	
45 cis-1,2-Dichloroethene	96		4.299					ND	
43 2-Butanone (MEK)	43		4.342					ND	
42 Ethyl acetate	43		4.372					ND	
46 Propionitrile	54		4.445					ND	
48 Chlorobromomethane	128		4.536					ND	
49 Tetrahydrofuran	42		4.549					ND	
47 Methacrylonitrile	41		4.555					ND	
50 Chloroform	83		4.616					ND	U
51 1,1,1-Trichloroethane	97		4.719					ND	
52 Cyclohexane	56		4.725					ND	
55 Carbon tetrachloride	117		4.859					ND	
54 1,1-Dichloropropene	75		4.871					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.877					ND	
152 Isooctane	57		5.072					ND	
57 Benzene	78		5.078					ND	
53 Isobutyl alcohol	43		5.108					ND	
58 1,2-Dichloroethane	62		5.151					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
56 Tert-amyl methyl ether	73		5.157					ND	
147 t-Amyl alcohol	59		5.163					ND	
59 n-Heptane	43		5.254					ND	
1 1,4-Difluorobenzene	114		5.461					ND	
62 Trichloroethene	95		5.686					ND	
60 n-Butanol	56		5.729					ND	
64 Methylcyclohexane	83		5.802					ND	
142 Ethyl acrylate	55		5.820					ND	
65 1,2-Dichloropropane	63		5.930					ND	
63 Methyl methacrylate	41		6.033					ND	
67 Dibromomethane	93		6.070					ND	
66 1,4-Dioxane	88		6.076					ND	
68 Dichlorobromomethane	83		6.222					ND	
70 2-Nitropropane	43		6.477					ND	
69 2-Chloroethyl vinyl ether	63		6.501					ND	
71 Epichlorohydrin	57		6.599					ND	
72 cis-1,3-Dichloropropene	75		6.641					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787					ND	
74 Toluene	92		6.921					ND	
76 2-Methylthiophene	97		7.061					ND	
77 trans-1,3-Dichloropropene	75		7.207					ND	
78 3-Methylthiophene	97		7.225					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.256					ND	
79 1,1,2-Trichloroethane	83		7.396					ND	
81 Tetrachloroethene	166		7.450					ND	
82 1,3-Dichloropropane	76		7.554					ND	
80 2-Hexanone	43		7.627					ND	
155 n-Butyl acetate	43		7.736					ND	
83 Chlorodibromomethane	129		7.791					ND	
84 Ethylene Dibromide	107		7.895					ND	
146 1-Chlorohexane	55		8.320					ND	U
85 3-Chlorobenzotrifluoride	180		8.339					ND	
87 Chlorobenzene	112		8.369					ND	
86 4-Chlorobenzotrifluoride	180		8.406					ND	
88 Ethylbenzene	91		8.460					ND	
89 1,1,1,2-Tetrachloroethane	131		8.466					ND	
90 m-Xylene & p-Xylene	106		8.582					ND	
91 o-Xylene	106		9.008					ND	
92 Styrene	104		9.038					ND	
95 Bromoform	173		9.288					ND	
93 2-Chlorobenzotrifluoride	180		9.324					ND	
94 Isopropylbenzene	105		9.391					ND	
96 Cyclohexanone	55		9.568					ND	
101 Bromobenzene	156		9.738					ND	
97 1,1,2,2-Tetrachloroethane	83		9.805					ND	
99 N-Propylbenzene	91		9.823					ND	
100 1,2,3-Trichloropropane	110		9.835					ND	
98 trans-1,4-Dichloro-2-butene	53		9.854					ND	
103 2-Chlorotoluene	126		9.927					ND	
104 3-Chlorotoluene	126		9.993					ND	
102 1,3,5-Trimethylbenzene	105		10.000					ND	
105 4-Chlorotoluene	126		10.042					ND	
106 tert-Butylbenzene	134		10.322					ND	
107 1,2,4-Trimethylbenzene	105		10.377					ND	
108 Pentachloroethane	167		10.383					ND	
109 sec-Butylbenzene	105		10.529					ND	
111 1,3-Dichlorobenzene	146		10.669					ND	
110 4-Isopropyltoluene	119		10.669					ND	
114 Dicyclopentadiene	66		10.729					ND	
113 1,4-Dichlorobenzene	146		10.754					ND	
112 1,2,3-Trimethylbenzene	105		10.784					ND	
150 Benzyl chloride	126		10.906					ND	
115 n-Butylbenzene	91		11.058					ND	U
116 1,2-Dichlorobenzene	146		11.107					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.843					ND	
118 1,3,5-Trichlorobenzene	180		11.971					ND	
119 1,2,4-Trichlorobenzene	180		12.512					ND	U
120 Hexachlorobutadiene	225		12.615					ND	
121 Naphthalene	128		12.725					ND	U
122 1,2,3-Trichlorobenzene	180		12.926					ND	
149 2-Methylnaphthalene	142		13.631					ND	U
135 Hexachloroethane	117		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00370	Amount Added:	1.00	Units: uL	Run Reagent

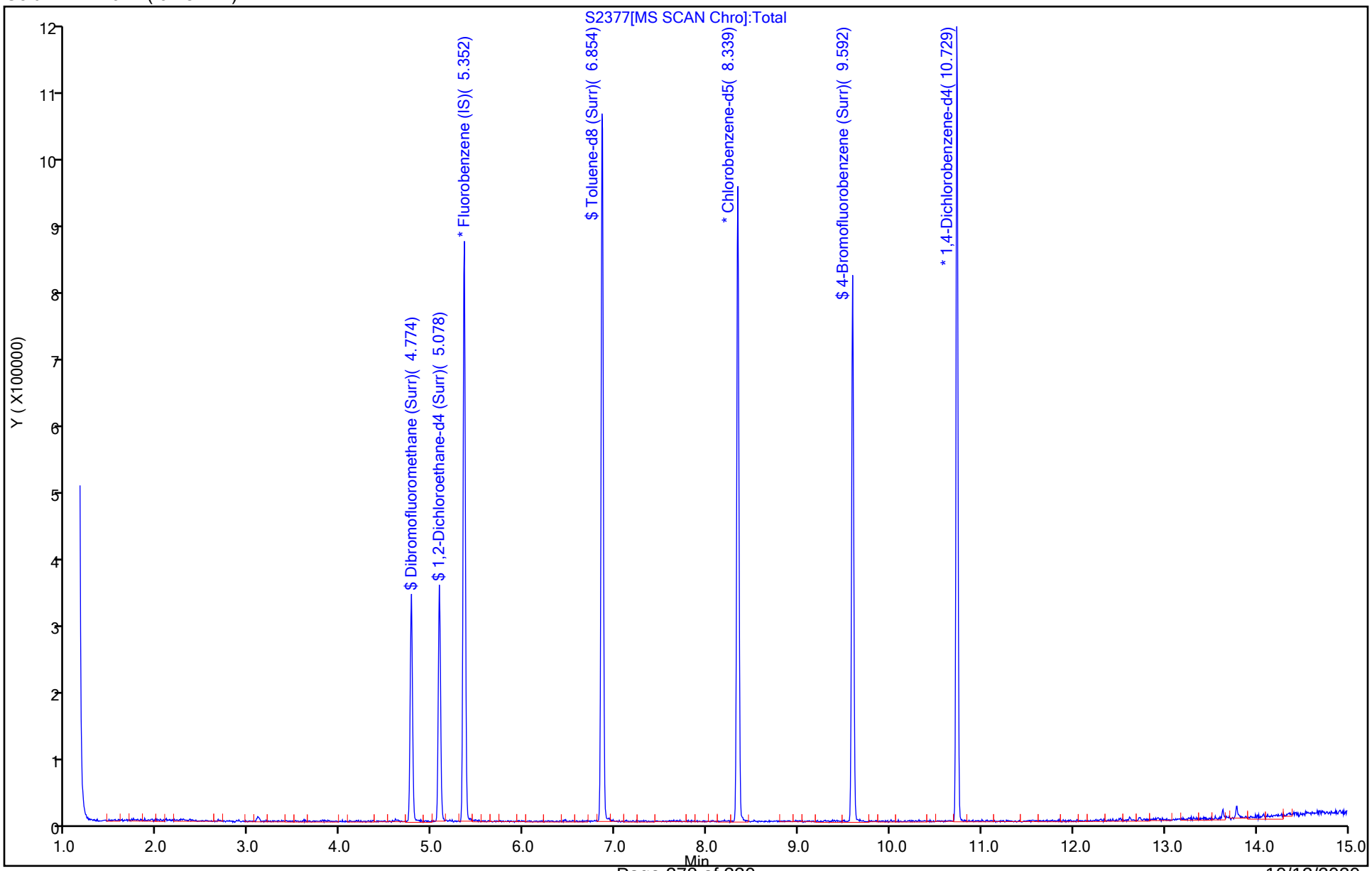
Report Date: 06-Oct-2020 10:30:21 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2377.D

Injection Date:	06-Oct-2020 09:59:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



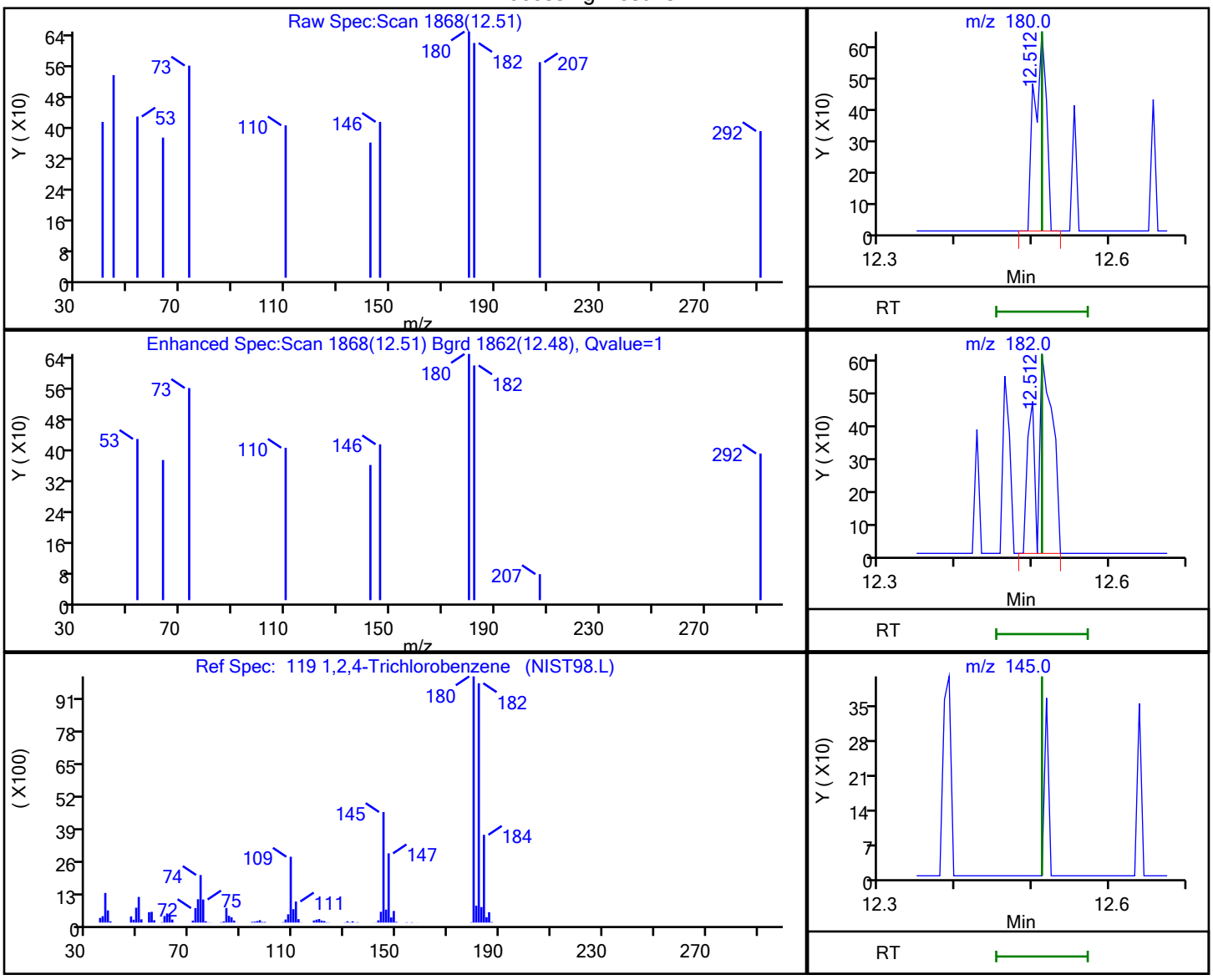
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2377.D				
Injection Date:	06-Oct-2020 09:59:30	Instrument ID:	HP5973S		
Lims ID:	MB				
Client ID:					
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

119 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results



RT	Mass	Response	Amount
12.51	180.00	689	0.049387
12.51	182.00	998	
12.51	145.00	0	

Reviewer: moffata, 06-Oct-2020 10:30:11

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

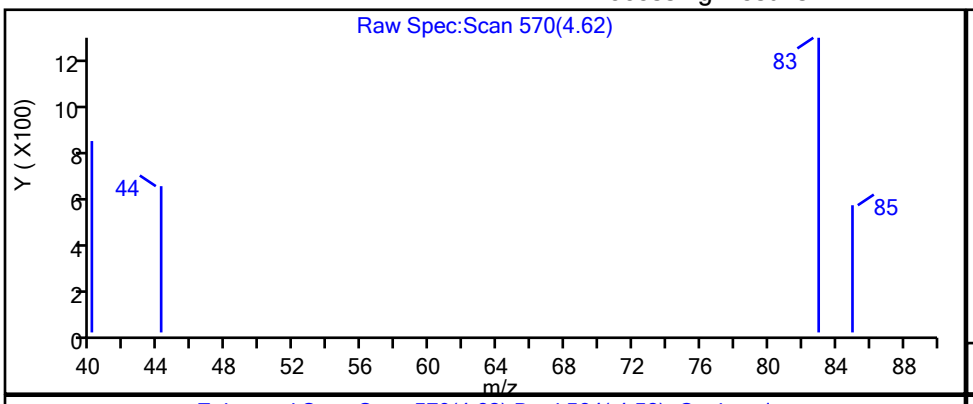
User Disabled Compound Report

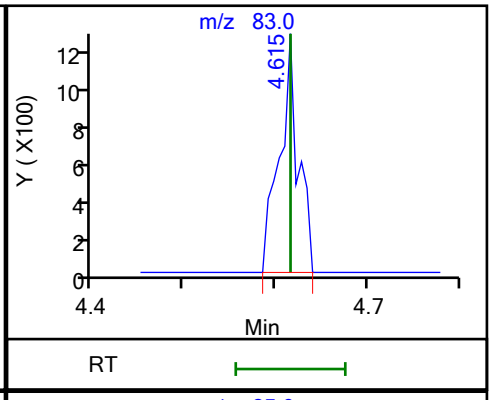
Eurofins TestAmerica, Buffalo

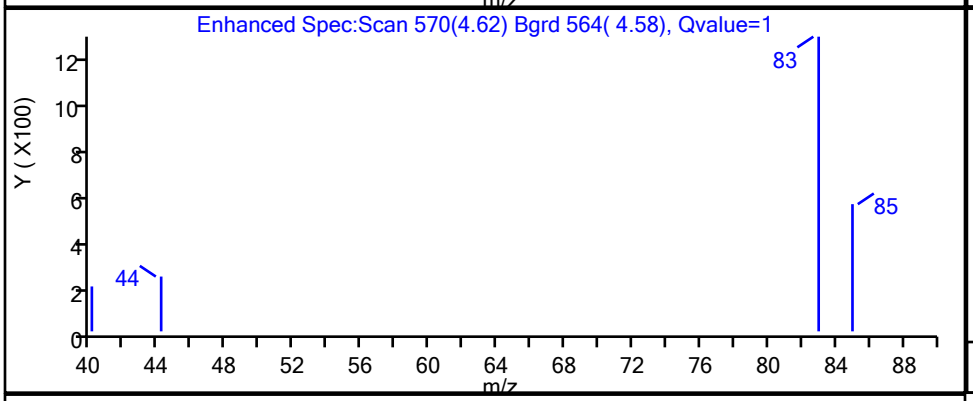
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2377.D
Injection Date: 06-Oct-2020 09:59:30 Instrument ID: HP5973S
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

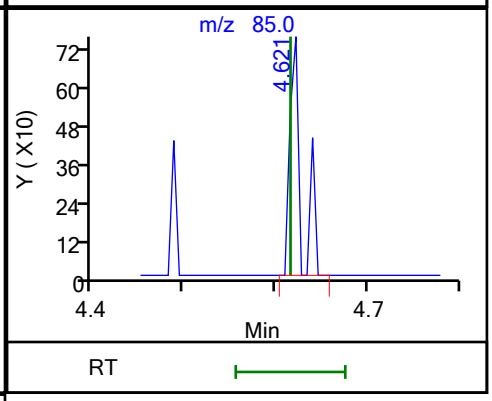
50 Chloroform, CAS: 67-66-3

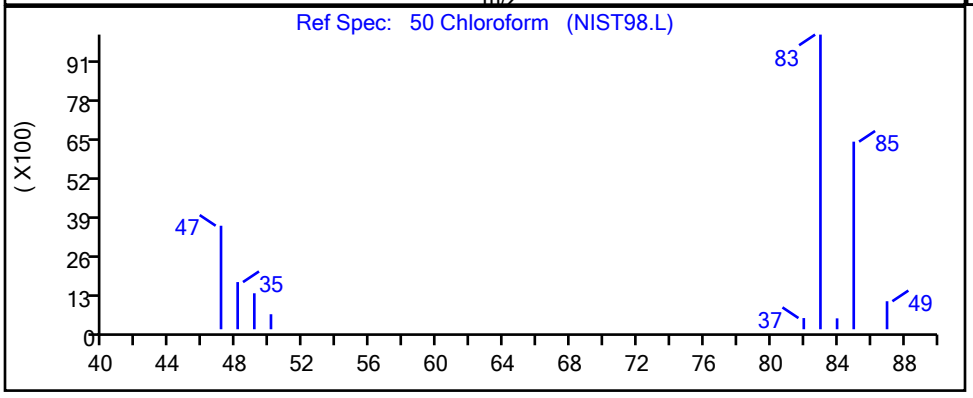
Processing Results











RT	Mass	Response	Amount
4.62	83.00	1732	0.135215
4.62	85.00	629	

Reviewer: moffata, 06-Oct-2020 10:29:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-552406/5

Matrix: Water Lab File ID: N6492.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 09:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.6		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.0		1.0	0.21
79-00-5	1,1,2-Trichloroethane	24.5		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29.0		1.0	0.31
75-34-3	1,1-Dichloroethane	25.9		1.0	0.38
75-35-4	1,1-Dichloroethene	26.3		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	25.5		1.0	0.39
95-50-1	1,2-Dichlorobenzene	25.3		1.0	0.79
107-06-2	1,2-Dichloroethane	24.9		1.0	0.21
78-87-5	1,2-Dichloropropane	24.1		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.7		1.0	0.84
78-93-3	2-Butanone (MEK)	126		10	1.3
591-78-6	2-Hexanone	135		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	128		5.0	2.1
67-64-1	Acetone	140		10	3.0
71-43-2	Benzene	24.9		1.0	0.41
75-27-4	Bromodichloromethane	25.6		1.0	0.39
75-25-2	Bromoform	25.4		1.0	0.26
74-83-9	Bromomethane	24.1		1.0	0.69
75-15-0	Carbon disulfide	25.7		1.0	0.19
56-23-5	Carbon tetrachloride	27.6		1.0	0.27
108-90-7	Chlorobenzene	25.1		1.0	0.75
124-48-1	Dibromochloromethane	27.0		1.0	0.32
75-00-3	Chloroethane	24.1		1.0	0.32
67-66-3	Chloroform	24.8		1.0	0.34
74-87-3	Chloromethane	24.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.2		1.0	0.36
110-82-7	Cyclohexane	27.4		1.0	0.18
75-71-8	Dichlorodifluoromethane	29.2		1.0	0.68
100-41-4	Ethylbenzene	25.8		1.0	0.74
106-93-4	1,2-Dibromoethane	24.5		1.0	0.73
98-82-8	Isopropylbenzene	25.8		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-552406/5

Matrix: Water Lab File ID: N6492.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/05/2020 09:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	45.3		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.9		1.0	0.16
108-87-2	Methylcyclohexane	28.0		1.0	0.16
75-09-2	Methylene Chloride	24.1		1.0	0.44
100-42-5	Styrene	25.6		1.0	0.73
127-18-4	Tetrachloroethene	26.5		1.0	0.36
108-88-3	Toluene	25.7		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.8		1.0	0.37
79-01-6	Trichloroethene	24.7		1.0	0.46
75-69-4	Trichlorofluoromethane	28.5		1.0	0.88
75-01-4	Vinyl chloride	24.9		1.0	0.90
1330-20-7	Xylenes, Total	52.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6492.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 05-Oct-2020 09:35:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0093886-005
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 05-Oct-2020 08:15:26 Calib Date: 09-Sep-2020 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20200909-93301.b\N5735.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1617

First Level Reviewer: moffata Date: 05-Oct-2020 10:34:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.701	5.695	0.006	97	140818	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.713	8.713	0.000	90	501807	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.073	11.073	0.000	95	289581	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	5.111	5.111	0.006	93	201982	25.0	26.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.421	5.421	0.000	88	269706	25.0	26.3	
$ 6 Toluene-d8 (Surr)	98	7.216	7.216	0.000	96	689397	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.954	9.954	0.000	89	212705	25.0	25.8	
11 Dichlorodifluoromethane	85	1.376	1.370	0.006	97	218294	25.0	29.2	
13 Chloromethane	50	1.564	1.571	-0.007	99	393611	25.0	24.6	
14 Vinyl chloride	62	1.674	1.674	0.000	52	260544	25.0	24.9	
144 Butadiene	54	1.674	1.682	-0.006	96	439156	25.0	28.7	
15 Bromomethane	94	2.002	2.009	-0.007	92	146157	25.0	24.1	
16 Chloroethane	64	2.094	2.112	-0.018	93	154823	25.0	24.1	
17 Dichlorofluoromethane	67	2.337	2.343	-0.006	93	330162	25.0	25.3	
18 Trichlorofluoromethane	101	2.343	2.355	-0.012	73	299677	25.0	28.5	
19 Ethyl ether	59	2.641	2.641	0.000	93	264689	25.0	25.0	
20 Acrolein	56	2.836	2.836	0.000	98	185480	125.0	111.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.866	2.879	-0.013	91	178797	25.0	29.0	
22 1,1-Dichloroethene	96	2.872	2.879	-0.007	90	171150	25.0	26.3	
23 Acetone	43	3.000	3.000	0.000	97	698335	125.0	139.7	
24 Iodomethane	142	3.037	3.067	-0.030	100	338936	25.0	26.7	
25 Carbon disulfide	76	3.079	3.091	-0.012	97	580137	25.0	25.7	
27 3-Chloro-1-propene	41	3.256	3.256	0.000	86	565922	25.0	25.6	
28 Methyl acetate	43	3.304	3.304	0.000	99	641098	50.0	45.3	
30 Methylene Chloride	84	3.408	3.408	0.000	89	207888	25.0	24.1	
31 2-Methyl-2-propanol	59	3.578	3.584	-0.006	96	342123	250.0	296.5	
32 Methyl tert-butyl ether	73	3.627	3.621	0.006	95	621080	25.0	25.9	
33 trans-1,2-Dichloroethene	96	3.645	3.645	0.000	89	206576	25.0	26.6	
34 Acrylonitrile	53	3.700	3.700	0.000	99	1651269	250.0	242.4	
35 Hexane	57	3.840	3.840	0.000	96	410740	25.0	27.0	
36 1,1-Dichloroethane	63	4.071	4.071	0.000	96	451375	25.0	25.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	4.120	4.120	0.000	97	1585616	50.0	51.0	
42 2,2-Dichloropropane	77	4.600	4.600	0.000	82	202726	25.0	29.5	
43 cis-1,2-Dichloroethene	96	4.637	4.637	0.000	86	216602	25.0	25.0	
44 2-Butanone (MEK)	43	4.667	4.667	0.000	96	1041016	125.0	125.9	
47 Chlorobromomethane	128	4.880	4.874	0.006	86	120460	25.0	27.2	
49 Tetrahydrofuran	42	4.892	4.892	0.000	91	272990	50.0	45.9	
50 Chloroform	83	4.953	4.953	0.000	95	360065	25.0	24.8	
51 1,1,1-Trichloroethane	97	5.069	5.069	0.000	95	315159	25.0	27.6	
52 Cyclohexane	56	5.075	5.075	0.000	95	531932	25.0	27.4	
53 Carbon tetrachloride	117	5.209	5.209	-0.001	93	266208	25.0	27.6	
54 1,1-Dichloropropene	75	5.221	5.221	0.000	83	267560	25.0	26.4	
55 Benzene	78	5.428	5.428	0.000	89	767104	25.0	24.9	
56 Isobutyl alcohol	43	5.434	5.434	0.000	92	510178	625.0	758.3	
57 1,2-Dichloroethane	62	5.494	5.494	0.000	95	379940	25.0	24.9	
59 n-Heptane	43	5.598	5.598	0.000	95	490241	25.0	26.1	
60 Trichloroethene	95	6.042	6.036	0.006	94	200341	25.0	24.7	
62 Methylcyclohexane	83	6.164	6.158	0.006	95	346952	25.0	28.0	
63 1,2-Dichloropropane	63	6.285	6.285	0.000	86	231019	25.0	24.1	
66 1,4-Dioxane	88	6.431	6.425	0.006	46	39590	500.0	670.2	
64 Dibromomethane	93	6.425	6.425	0.000	95	123015	25.0	25.4	
67 Dichlorobromomethane	83	6.577	6.577	0.000	94	255318	25.0	25.6	
69 2-Chloroethyl vinyl ether	63	6.845	6.845	0.000	86	141211	25.0	22.0	
71 cis-1,3-Dichloropropene	75	6.991	6.991	0.000	84	284756	25.0	24.2	
72 4-Methyl-2-pentanone (MIBK)	58	7.131	7.131	0.000	98	696783	125.0	127.7	
73 Toluene	92	7.283	7.283	0.000	96	475157	25.0	25.7	
75 trans-1,3-Dichloropropene	75	7.563	7.563	0.000	95	259239	25.0	24.8	
77 Ethyl methacrylate	69	7.599	7.599	0.000	88	240174	25.0	25.0	
78 1,1,2-Trichloroethane	83	7.758	7.758	0.000	95	138208	25.0	24.5	
79 Tetrachloroethene	166	7.818	7.818	0.000	94	216478	25.0	26.5	
80 1,3-Dichloropropane	76	7.922	7.916	0.006	88	270044	25.0	23.4	
82 2-Hexanone	43	7.977	7.977	0.000	97	1582734	125.0	134.7	
83 Chlorodibromomethane	129	8.159	8.159	0.000	89	193761	25.0	27.0	
84 Ethylene Dibromide	107	8.269	8.269	0.000	99	182186	25.0	24.5	
85 Chlorobenzene	112	8.743	8.743	0.000	93	532655	25.0	25.1	
88 Ethylbenzene	91	8.828	8.828	0.000	97	867173	25.0	25.8	
89 1,1,1,2-Tetrachloroethane	131	8.834	8.840	-0.006	93	206289	25.0	27.4	
90 m-Xylene & p-Xylene	106	8.950	8.950	0.000	98	350530	25.0	26.5	
91 o-Xylene	106	9.382	9.382	0.000	97	352197	25.0	26.4	
92 Styrene	104	9.412	9.412	0.000	93	551451	25.0	25.6	
93 Bromoform	173	9.662	9.662	0.000	95	111804	25.0	25.4	
95 Isopropylbenzene	105	9.753	9.753	0.000	97	904803	25.0	25.8	
97 Bromobenzene	156	10.100	10.106	-0.006	88	234291	25.0	24.8	
98 1,1,2,2-Tetrachloroethane	83	10.148	10.148	0.000	94	246171	25.0	23.0	
100 N-Propylbenzene	91	10.173	10.173	0.000	98	1036208	25.0	25.6	
99 1,2,3-Trichloropropane	110	10.185	10.185	0.000	94	83261	25.0	24.7	
101 trans-1,4-Dichloro-2-butene	53	10.191	10.191	0.000	63	29065	25.0	7.29	
102 2-Chlorotoluene	126	10.282	10.282	0.000	96	232248	25.0	26.0	
104 1,3,5-Trimethylbenzene	105	10.343	10.343	0.000	97	774189	25.0	25.9	
105 4-Chlorotoluene	91	10.392	10.392	0.000	97	637609	25.0	24.7	
106 tert-Butylbenzene	134	10.659	10.659	0.000	94	178367	25.0	26.3	
108 1,2,4-Trimethylbenzene	105	10.714	10.714	0.000	98	783729	25.0	25.7	
109 sec-Butylbenzene	105	10.866	10.866	0.000	95	1000612	25.0	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 4-Isopropyltoluene	119	11.000	11.000	0.000	98	932087	25.0	27.4	
110 1,3-Dichlorobenzene	146	11.006	11.006	0.000	98	472127	25.0	25.4	
113 1,4-Dichlorobenzene	146	11.091	11.097	-0.006	95	484990	25.0	25.7	
115 n-Butylbenzene	91	11.383	11.383	0.000	98	752464	25.0	27.5	
116 1,2-Dichlorobenzene	146	11.444	11.444	0.000	97	473231	25.0	25.3	
117 1,2-Dibromo-3-Chloropropane	75	12.168	12.168	0.000	80	47209	25.0	25.5	
119 1,2,4-Trichlorobenzene	180	12.837	12.837	0.000	95	305692	25.0	25.8	
120 Hexachlorobutadiene	225	12.941	12.947	-0.006	96	143619	25.0	27.8	
121 Naphthalene	128	13.056	13.056	0.000	97	882218	25.0	26.4	
122 1,2,3-Trichlorobenzene	180	13.257	13.257	0.000	96	284443	25.0	25.8	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00420	Amount Added: 12.50	Units: uL	
8260 CORP mix_00194	Amount Added: 12.50	Units: uL	
N 8260 IS_00199	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00401	Amount Added: 1.00	Units: uL	Run Reagent

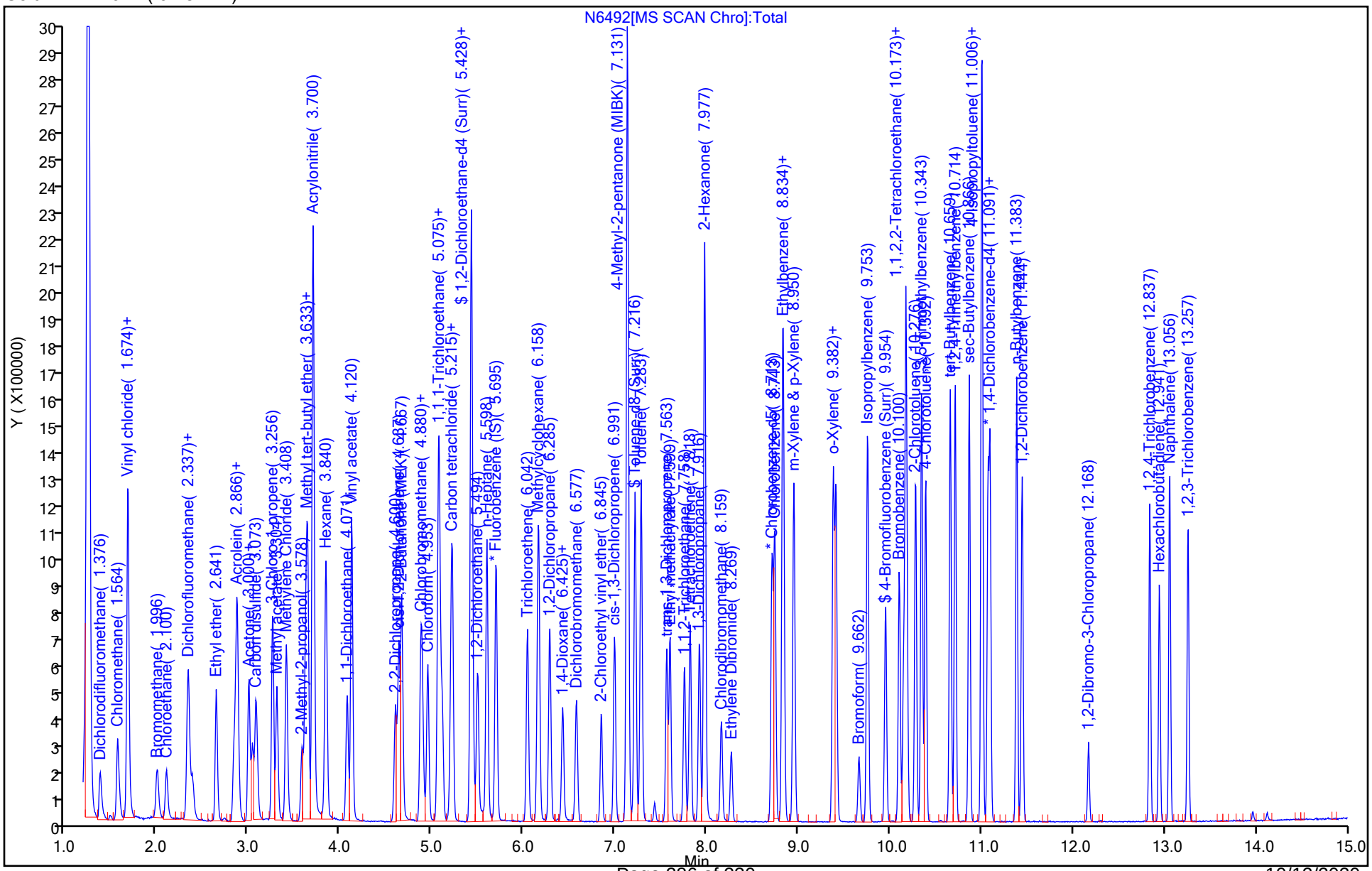
Report Date: 05-Oct-2020 10:34:01 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201005-93886.b\N6492.D

Injection Date:	05-Oct-2020 09:35:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-552557/5

Matrix: Water Lab File ID: S2375.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/06/2020 09:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552557 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.8		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	19.5		1.0	0.21
79-00-5	1,1,2-Trichloroethane	21.5		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27.3		1.0	0.31
75-34-3	1,1-Dichloroethane	21.8		1.0	0.38
75-35-4	1,1-Dichloroethene	23.9		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	20.6		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		1.0	0.39
95-50-1	1,2-Dichlorobenzene	22.5		1.0	0.79
107-06-2	1,2-Dichloroethane	23.6		1.0	0.21
78-87-5	1,2-Dichloropropane	21.4		1.0	0.72
541-73-1	1,3-Dichlorobenzene	22.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	22.0		1.0	0.84
78-93-3	2-Butanone (MEK)	94.4		10	1.3
591-78-6	2-Hexanone	99.4		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	94.3		5.0	2.1
67-64-1	Acetone	99.1		10	3.0
71-43-2	Benzene	22.8		1.0	0.41
75-27-4	Bromodichloromethane	24.7		1.0	0.39
75-25-2	Bromoform	26.2		1.0	0.26
74-83-9	Bromomethane	21.6		1.0	0.69
75-15-0	Carbon disulfide	21.6		1.0	0.19
56-23-5	Carbon tetrachloride	28.3		1.0	0.27
108-90-7	Chlorobenzene	23.8		1.0	0.75
124-48-1	Dibromochloromethane	25.7		1.0	0.32
75-00-3	Chloroethane	18.8		1.0	0.32
67-66-3	Chloroform	23.2		1.0	0.34
74-87-3	Chloromethane	18.3		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	22.8		1.0	0.36
110-82-7	Cyclohexane	21.8		1.0	0.18
75-71-8	Dichlorodifluoromethane	25.8		1.0	0.68
100-41-4	Ethylbenzene	22.7		1.0	0.74
106-93-4	1,2-Dibromoethane	23.7		1.0	0.73
98-82-8	Isopropylbenzene	21.0		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-552557/5

Matrix: Water Lab File ID: S2375.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/06/2020 09:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 552557 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	36.3		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.7		1.0	0.16
108-87-2	Methylcyclohexane	23.9		1.0	0.16
75-09-2	Methylene Chloride	24.9		1.0	0.44
100-42-5	Styrene	23.8		1.0	0.73
127-18-4	Tetrachloroethene	23.9		1.0	0.36
108-88-3	Toluene	22.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.0		1.0	0.37
79-01-6	Trichloroethene	23.7		1.0	0.46
75-69-4	Trichlorofluoromethane	25.1		1.0	0.88
75-01-4	Vinyl chloride	19.2		1.0	0.90
1330-20-7	Xylenes, Total	47.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2375.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Oct-2020 09:13:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0093912-005
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Oct-2020 09:52:25 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1639

First Level Reviewer: moffata Date: 06-Oct-2020 09:52:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	119835	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	85	261214	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.729	0.007	51	278709	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	56	163536	25.0	28.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	52	101943	25.0	26.0	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	88	630907	25.0	25.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	89	207942	25.0	26.7	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	99	213681	25.0	25.8	
12 Chloromethane	50	1.410	1.422	-0.012	88	171363	25.0	18.3	
13 Vinyl chloride	62	1.495	1.501	-0.006	60	159509	25.0	19.2	
151 Butadiene	54	1.495	1.501	-0.006	88	170844	25.0	19.2	
14 Bromomethane	94	1.787	1.799	-0.012	93	119655	25.0	21.6	
15 Chloroethane	64	1.860	1.866	-0.006	94	103337	25.0	18.8	
16 Dichlorofluoromethane	67	2.085	2.091	-0.006	79	253243	25.0	21.5	
17 Trichlorofluoromethane	101	2.091	2.091	0.000	78	269651	25.0	25.1	
18 Ethyl ether	59	2.365	2.365	0.000	90	139337	25.0	20.4	
20 Acrolein	56	2.547	2.547	0.000	97	88060	125.0	68.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.578	2.578	0.000	75	154237	25.0	27.3	
22 1,1-Dichloroethene	96	2.578	2.584	-0.006	97	134811	25.0	23.9	
23 Acetone	43	2.705	2.705	0.000	97	342517	125.0	99.1	
25 Iodomethane	142	2.742	2.736	0.006	99	257279	25.0	24.9	
26 Carbon disulfide	76	2.772	2.778	-0.006	99	423662	25.0	21.6	
28 3-Chloro-1-propene	41	2.949	2.955	-0.006	83	220871	25.0	18.8	
27 Methyl acetate	43	3.003	3.003	0.000	95	277879	50.0	36.3	
30 Methylene Chloride	84	3.101	3.101	0.000	85	168995	25.0	24.9	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	94	220407	250.0	193.7	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	90	532519	25.0	23.7	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	93	158317	25.0	23.6	
33 Acrylonitrile	53	3.387	3.387	0.000	99	740383	250.0	191.8	
35 Hexane	57	3.514	3.514	0.000	91	235627	25.0	22.1	
39 1,1-Dichloroethane	63	3.746	3.746	0.000	85	270887	25.0	21.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.800	3.800	0.000	98	668906	50.0	42.4	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	90	166366	25.0	24.0	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	79	182587	25.0	24.1	
43 2-Butanone (MEK)	43	4.336	4.342	-0.006	98	482905	125.0	94.4	
48 Chlorobromomethane	128	4.537	4.536	0.001	88	97784	25.0	25.0	
49 Tetrahydrofuran	42	4.549	4.549	0.000	84	124304	50.0	34.2	
50 Chloroform	83	4.616	4.616	0.000	80	289994	25.0	23.2	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	94	253222	25.0	25.8	
52 Cyclohexane	56	4.725	4.725	0.000	91	264011	25.0	21.8	
55 Carbon tetrachloride	117	4.859	4.859	0.000	87	226243	25.0	28.3	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	89	214643	25.0	23.0	
57 Benzene	78	5.078	5.078	0.000	96	656481	25.0	22.8	
53 Isobutyl alcohol	43	5.108	5.108	0.000	92	188694	625.0	476.7	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	79	256196	25.0	23.6	
59 n-Heptane	43	5.254	5.254	0.000	90	230288	25.0	20.1	
62 Trichloroethene	95	5.686	5.686	0.000	95	170842	25.0	23.7	
64 Methylcyclohexane	83	5.802	5.802	0.000	89	284309	25.0	23.9	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	83	152452	25.0	21.4	
67 Dibromomethane	93	6.070	6.070	0.000	89	116164	25.0	25.5	
66 1,4-Dioxane	88	6.076	6.076	0.000	48	46155	500.0	386.5	
68 Dichlorobromomethane	83	6.222	6.222	0.000	98	221678	25.0	24.7	
69 2-Chloroethyl vinyl ether	63	6.508	6.501	0.007	93	115297	25.0	21.7	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	86	259180	25.0	22.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	96	1017096	125.0	94.3	
74 Toluene	92	6.921	6.921	0.000	93	430193	25.0	22.3	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	92	262764	25.0	23.0	
75 Ethyl methacrylate	69	7.256	7.256	0.000	70	233063	25.0	22.8	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	93	132040	25.0	21.5	
81 Tetrachloroethene	166	7.451	7.451	0.001	77	185706	25.0	23.9	
82 1,3-Dichloropropane	76	7.560	7.554	0.006	93	272558	25.0	21.9	
80 2-Hexanone	43	7.627	7.627	0.000	97	739663	125.0	99.4	
83 Chlorodibromomethane	129	7.791	7.791	0.000	89	175906	25.0	25.7	
84 Ethylene Dibromide	107	7.895	7.895	0.000	97	177351	25.0	23.7	
87 Chlorobenzene	112	8.369	8.369	0.000	93	500966	25.0	23.8	
88 Ethylbenzene	91	8.460	8.460	0.000	98	818678	25.0	22.7	
89 1,1,1,2-Tetrachloroethane	131	8.467	8.467	0.000	43	169269	25.0	25.3	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	98	341994	25.0	24.9	
91 o-Xylene	106	9.008	9.008	0.000	97	316598	25.0	22.8	
92 Styrene	104	9.038	9.038	0.000	92	548290	25.0	23.8	
95 Bromoform	173	9.288	9.288	0.000	94	114418	25.0	26.2	
94 Isopropylbenzene	105	9.391	9.397	0.000	96	846103	25.0	21.0	
101 Bromobenzene	156	9.744	9.744	0.006	91	227043	25.0	23.2	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.810	0.000	82	224101	25.0	19.5	
99 N-Propylbenzene	91	9.823	9.829	0.000	99	1019328	25.0	21.1	
100 1,2,3-Trichloropropane	110	9.835	9.841	0.000	60	82577	25.0	20.9	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.859	0.000	88	71959	25.0	18.2	
103 2-Chlorotoluene	126	9.927	9.932	0.001	96	211026	25.0	21.8	
102 1,3,5-Trimethylbenzene	105	10.000	10.005	0.000	93	729704	25.0	21.1	
105 4-Chlorotoluene	126	10.042	10.048	0.000	87	217183	25.0	21.9	
106 tert-Butylbenzene	134	10.322	10.328	0.000	90	158797	25.0	21.4	
107 1,2,4-Trimethylbenzene	105	10.377	10.383	0.000	67	748498	25.0	21.6	
109 sec-Butylbenzene	105	10.529	10.535	0.000	94	924421	25.0	21.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.669	10.675	0.000	73	439466	25.0	22.4	
110 4-Isopropyltoluene	119	10.669	10.675	0.000	95	824905	25.0	21.7	
113 1,4-Dichlorobenzene	146	10.754	10.760	0.000	94	443178	25.0	22.0	
115 n-Butylbenzene	91	11.058	11.064	0.000	95	723061	25.0	21.1	
116 1,2-Dichlorobenzene	146	11.107	11.113	0.000	92	436433	25.0	22.5	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.850	0.000	76	38670	25.0	17.1	
119 1,2,4-Trichlorobenzene	180	12.512	12.519	0.000	93	290284	25.0	20.6	
120 Hexachlorobutadiene	225	12.616	12.615	0.001	93	127770	25.0	22.4	
121 Naphthalene	128	12.725	12.725	0.000	97	731511	25.0	17.4	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	93	263702	25.0	19.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00194	Amount Added: 12.50	Units: uL	
GAS CORP mix_00421	Amount Added: 12.50	Units: uL	
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00370	Amount Added: 1.00	Units: uL	Run Reagent

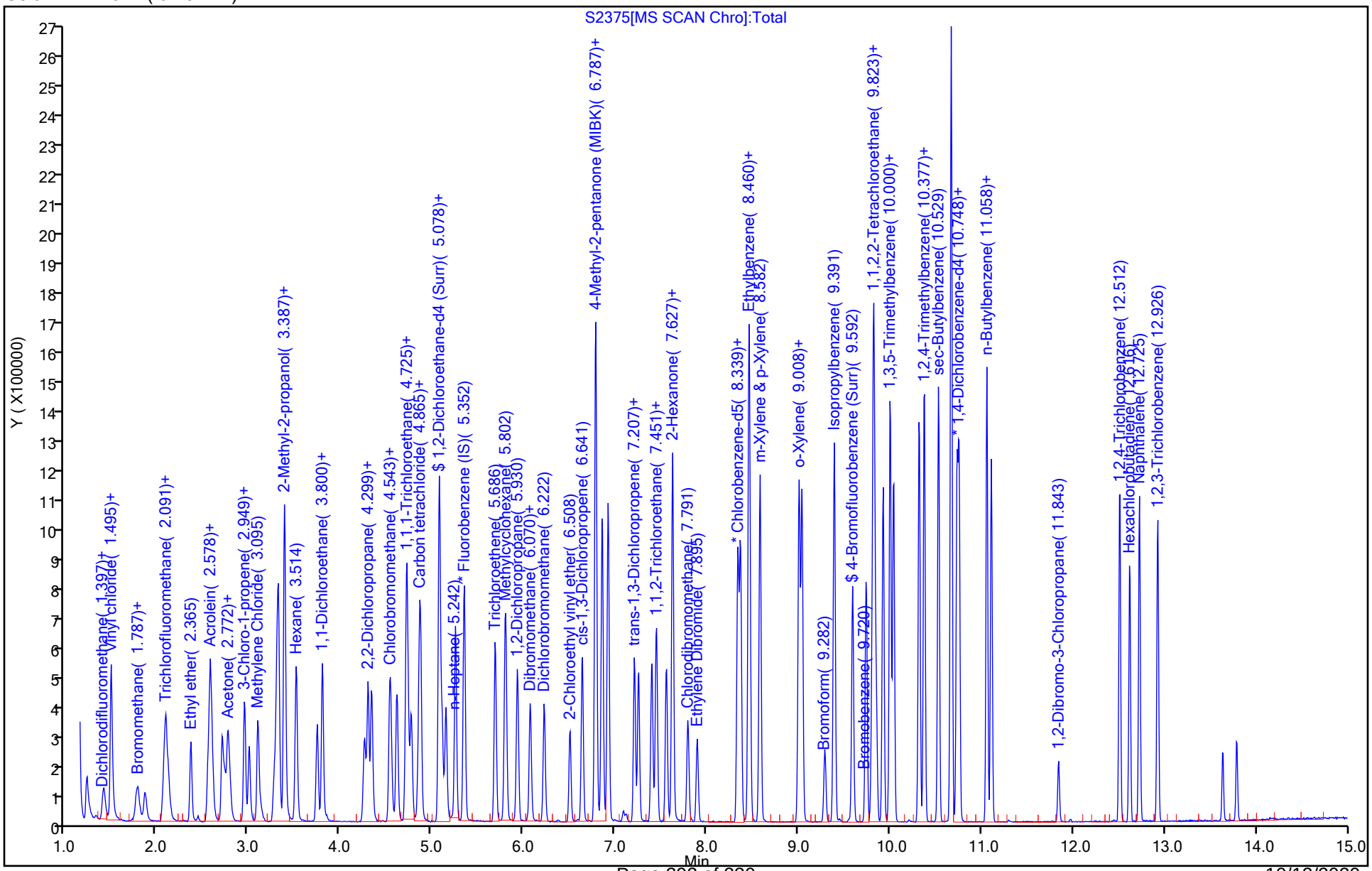
Report Date: 06-Oct-2020 09:52:36 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201006-93912.b\S2375.D

Injection Date:	06-Oct-2020 09:13:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Instrument ID: HP5973N Start Date: 09/09/2020 13:42

Analysis Batch Number: 548703 End Date: 09/10/2020 00:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-548703/6		09/09/2020 13:42	1	N5715.D	ZB-624 (20) 0.18(mm)
IC 480-548703/8		09/09/2020 15:22	1	N5717.D	ZB-624 (20) 0.18(mm)
IC 480-548703/9		09/09/2020 15:46	1	N5718.D	ZB-624 (20) 0.18(mm)
IC 480-548703/10		09/09/2020 16:10	1	N5719.D	ZB-624 (20) 0.18(mm)
IC 480-548703/11		09/09/2020 16:34	1	N5720.D	ZB-624 (20) 0.18(mm)
IC 480-548703/12		09/09/2020 16:59	1	N5721.D	ZB-624 (20) 0.18(mm)
ICIS 480-548703/13		09/09/2020 17:23	1	N5722.D	ZB-624 (20) 0.18(mm)
IC 480-548703/14		09/09/2020 17:47	1	N5723.D	ZB-624 (20) 0.18(mm)
IC 480-548703/15		09/09/2020 18:11	1	N5724.D	ZB-624 (20) 0.18(mm)
MDLV 480-548703/17		09/09/2020 18:59	1		ZB-624 (20) 0.18(mm)
MDLV 480-548703/18		09/09/2020 19:24	1		ZB-624 (20) 0.18(mm)
IC 480-548703/20		09/09/2020 20:12	1		ZB-624 (20) 0.18(mm)
IC 480-548703/21		09/09/2020 20:36	1		ZB-624 (20) 0.18(mm)
IC 480-548703/22		09/09/2020 21:00	1		ZB-624 (20) 0.18(mm)
IC 480-548703/23		09/09/2020 21:24	1		ZB-624 (20) 0.18(mm)
IC 480-548703/24		09/09/2020 21:48	1		ZB-624 (20) 0.18(mm)
IC 480-548703/25		09/09/2020 22:12	1		ZB-624 (20) 0.18(mm)
IC 480-548703/26		09/09/2020 22:36	1		ZB-624 (20) 0.18(mm)
MDLV 480-548703/28		09/09/2020 23:23	1		ZB-624 (20) 0.18(mm)
ICV 480-548703/29		09/09/2020 23:47	1	N5738.D	ZB-624 (20) 0.18(mm)
ICV 480-548703/30		09/10/2020 00:11	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Instrument ID: HP5973N Start Date: 10/05/2020 08:17

Analysis Batch Number: 552406 End Date: 10/05/2020 19:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-552406/2		10/05/2020 08:17	1	N6489.D	ZB-624 (20) 0.18(mm)
CCVIS 480-552406/3		10/05/2020 08:47	1	N6490.D	ZB-624 (20) 0.18(mm)
CCV 480-552406/4		10/05/2020 09:11	1		ZB-624 (20) 0.18(mm)
LCS 480-552406/5		10/05/2020 09:35	1	N6492.D	ZB-624 (20) 0.18(mm)
RL 480-552406/6		10/05/2020 09:58	1		ZB-624 (20) 0.18(mm)
MB 480-552406/7		10/05/2020 10:22	1	N6494.D	ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 10:59	200		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 11:24	40		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 11:48	40		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 12:12	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 12:36	1		ZB-624 (20) 0.18(mm)
480-175955-1	RW-1	10/05/2020 13:00	5	N6500.D	ZB-624 (20) 0.18(mm)
480-175955-2	RW-2	10/05/2020 13:24	1	N6501.D	ZB-624 (20) 0.18(mm)
480-175955-3	RW-3	10/05/2020 13:48	4	N6502.D	ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 14:12	5		ZB-624 (20) 0.18(mm)
480-175955-5	EFFLUENT	10/05/2020 14:36	1	N6504.D	ZB-624 (20) 0.18(mm)
480-175955-6	TRIP BLANK	10/05/2020 15:01	1	N6505.D	ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 15:25	10		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 15:49	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 16:13	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 16:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 17:02	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 17:26	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 17:50	10		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 18:14	2		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 18:38	2		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 19:02	200		ZB-624 (20) 0.18(mm)
ZZZZZ		10/05/2020 19:26	200		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Instrument ID: HP5973S Start Date: 08/14/2020 12:26

Analysis Batch Number: 545200 End Date: 08/15/2020 12:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-545200/5		08/14/2020 12:26	1	S0620.D	ZB-624 (20) 0.18(mm)
IC 480-545200/7		08/14/2020 13:35	1	S0622.D	ZB-624 (20) 0.18(mm)
IC 480-545200/8		08/14/2020 13:58	1	S0623.D	ZB-624 (20) 0.18(mm)
IC 480-545200/9		08/14/2020 14:21	1	S0624.D	ZB-624 (20) 0.18(mm)
IC 480-545200/10		08/14/2020 14:46	1	S0625.D	ZB-624 (20) 0.18(mm)
IC 480-545200/11		08/14/2020 15:09	1	S0626.D	ZB-624 (20) 0.18(mm)
ICIS 480-545200/12		08/14/2020 15:32	1	S0627.D	ZB-624 (20) 0.18(mm)
IC 480-545200/13		08/14/2020 15:55	1	S0628.D	ZB-624 (20) 0.18(mm)
IC 480-545200/14		08/14/2020 16:18	1	S0629.D	ZB-624 (20) 0.18(mm)
MDLV 480-545200/16		08/14/2020 17:05	1		ZB-624 (20) 0.18(mm)
IC 480-545200/19		08/14/2020 18:14	1		ZB-624 (20) 0.18(mm)
IC 480-545200/20		08/14/2020 18:37	1		ZB-624 (20) 0.18(mm)
IC 480-545200/21		08/14/2020 19:00	1		ZB-624 (20) 0.18(mm)
IC 480-545200/22		08/14/2020 19:23	1		ZB-624 (20) 0.18(mm)
IC 480-545200/23		08/14/2020 19:46	1		ZB-624 (20) 0.18(mm)
IC 480-545200/24		08/14/2020 20:09	1		ZB-624 (20) 0.18(mm)
IC 480-545200/25		08/15/2020 12:16	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Instrument ID: HP5973S Start Date: 08/16/2020 19:08

Analysis Batch Number: 545354 End Date: 08/17/2020 03:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-545354/2		08/16/2020 19:08	1	S0649.D	ZB-624 (20) 0.18(mm)
CCVIS 480-545354/3		08/16/2020 19:34	1		ZB-624 (20) 0.18(mm)
CCV 480-545354/4		08/16/2020 19:58	1		ZB-624 (20) 0.18(mm)
ZZZZZ		08/16/2020 20:22	1		ZB-624 (20) 0.18(mm)
ZZZZZ		08/16/2020 21:08	1		ZB-624 (20) 0.18(mm)
ICV 480-545354/8		08/16/2020 21:31	1	S0655.D	ZB-624 (20) 0.18(mm)
ICV 480-545354/9		08/16/2020 21:54	1		ZB-624 (20) 0.18(mm)
MDLV 480-545354/11		08/16/2020 22:40	1		ZB-624 (20) 0.18(mm)
ZZZZZ		08/16/2020 23:45	4		ZB-624 (20) 0.18(mm)
ZZZZZ		08/17/2020 00:09	2		ZB-624 (20) 0.18(mm)
ZZZZZ		08/17/2020 00:32	1		ZB-624 (20) 0.18(mm)
ZZZZZ		08/17/2020 01:18	4		ZB-624 (20) 0.18(mm)
ZZZZZ		08/17/2020 01:41	2		ZB-624 (20) 0.18(mm)
ZZZZZ		08/17/2020 02:04	1		ZB-624 (20) 0.18(mm)
ZZZZZ		08/17/2020 02:50	4		ZB-624 (20) 0.18(mm)
ZZZZZ		08/17/2020 03:13	2		ZB-624 (20) 0.18(mm)
ZZZZZ		08/17/2020 03:36	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Instrument ID: HP5973S Start Date: 10/06/2020 08:01

Analysis Batch Number: 552557 End Date: 10/06/2020 18:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-552557/2		10/06/2020 08:01	1	S2372.D	ZB-624 (20) 0.18(mm)
CCVIS 480-552557/3		10/06/2020 08:26	1	S2373.D	ZB-624 (20) 0.18(mm)
CCV 480-552557/4		10/06/2020 08:50	1		ZB-624 (20) 0.18(mm)
LCS 480-552557/5		10/06/2020 09:13	1	S2375.D	ZB-624 (20) 0.18(mm)
RL 480-552557/6		10/06/2020 09:36	1		ZB-624 (20) 0.18(mm)
MB 480-552557/7		10/06/2020 09:59	1	S2377.D	ZB-624 (20) 0.18(mm)
480-175955-4	DUP	10/06/2020 10:47	1	S2378.D	ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 11:10	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 11:33	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 11:56	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 12:19	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 12:42	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 13:05	10		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 13:28	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 13:51	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 14:14	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 14:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 15:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 15:23	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 15:46	2		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 16:09	1		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 16:32	10		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 16:55	2		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 17:18	10		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 17:41	10		ZB-624 (20) 0.18(mm)
ZZZZZ		10/06/2020 18:04	10		ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Batch Number: 545200 Batch Start Date: 08/14/20 12:26 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00191	BFB_WRK 00109	GAS CORP mix 00413	S_8260_IS 00339
BFB 480-545200/5		8260C		1 uL	1 uL		1 uL		
IC 480-545200/7		8260C		5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-545200/8		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-545200/9		8260C		5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-545200/10		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-545200/11		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-545200/12		8260C		5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-545200/13		8260C		5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-545200/14		8260C		5 mL	5 mL	50 uL		50 uL	1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_Surr 00365					
BFB 480-545200/5		8260C							
IC 480-545200/7		8260C		1 uL					
IC 480-545200/8		8260C		1 uL					
IC 480-545200/9		8260C		1 uL					
IC 480-545200/10		8260C		1 uL					
IC 480-545200/11		8260C		1 uL					
ICIS 480-545200/12		8260C		1 uL					
IC 480-545200/13		8260C		1 uL					
IC 480-545200/14		8260C		1 uL					

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Batch Number: 545200 Batch Start Date: 08/14/20 12:26 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Batch Number: 545354 Batch Start Date: 08/16/20 19:08 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	BFB_WRK 00109	S_8260_IS 00339	S_8260_Surr 00365	SS 8260 CORP 00086
BFB 480-545354/2		8260C		1 uL	1 uL	1 uL			
ICV 480-545354/8		8260C		5 mL	5 mL		1 uL	1 uL	12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	SS GAS CORP 00363					
BFB 480-545354/2		8260C							
ICV 480-545354/8		8260C		12.5 uL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Batch Number: 548703 Batch Start Date: 09/09/20 13:42 Batch Analyst: Moffat, Alyssa M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00190	BFB_WRK 00109	GAS CORP mix 00417	N 8260 IS 00193
BFB 480-548703/6		8260C		1 uL	1 uL		1 uL		
IC 480-548703/8		8260C		5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-548703/9		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-548703/10		8260C		5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-548703/11		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-548703/12		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-548703/13		8260C		5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-548703/14		8260C		5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-548703/15		8260C		5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-548703/29		8260C		5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	N_8260_Surr 00399	SS 8260 CORP 00086	SS GAS CORP 00367			
BFB 480-548703/6		8260C							
IC 480-548703/8		8260C		1 uL					
IC 480-548703/9		8260C		1 uL					
IC 480-548703/10		8260C		1 uL					
IC 480-548703/11		8260C		1 uL					
IC 480-548703/12		8260C		1 uL					
ICIS 480-548703/13		8260C		1 uL					
IC 480-548703/14		8260C		1 uL					
IC 480-548703/15		8260C		1 uL					
ICV 480-548703/29		8260C		1 uL	12.5 uL	12.5 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Batch Number: 548703 Batch Start Date: 09/09/20 13:42 Batch Analyst: Moffat, Alyssa M

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Batch Number: 552406 Batch Start Date: 10/05/20 08:17 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00194	BFB_WRK 00110	GAS CORP mix 00420
BFB 480-552406/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-552406/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-552406/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-552406/7		8260C		5 mL	5 mL				
480-175955-A-1	RW-1	8260C	T	5 mL	5 mL	<2 SU			
480-175955-A-2	RW-2	8260C	T	5 mL	5 mL	<2 SU			
480-175955-A-3	RW-3	8260C	T	5 mL	5 mL	<2 SU			
480-175955-A-5	EFFLUENT	8260C	T	5 mL	5 mL	<2 SU			
480-175955-A-6	TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00199	N_8260_Surr 00401				
BFB 480-552406/2		8260C							
CCVIS 480-552406/3		8260C		1 uL	1 uL				
LCS 480-552406/5		8260C		1 uL	1 uL				
MB 480-552406/7		8260C		1 uL	1 uL				
480-175955-A-1	RW-1	8260C	T	1 uL	1 uL				
480-175955-A-2	RW-2	8260C	T	1 uL	1 uL				
480-175955-A-3	RW-3	8260C	T	1 uL	1 uL				
480-175955-A-5	EFFLUENT	8260C	T	1 uL	1 uL				
480-175955-A-6	TRIP BLANK	8260C	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Batch Number: 552557 Batch Start Date: 10/06/20 08:01 Batch Analyst: Moffat, Alyssa M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00194	BFB_WRK 00110	GAS CORP mix 00421
BFB 480-552557/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-552557/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-552557/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-552557/7		8260C		5 mL	5 mL				
480-175955-B-4	DUP	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00339	S_8260_Surr 00370	AnalysisComment			
BFB 480-552557/2		8260C							
CCVIS 480-552557/3		8260C		1 uL	1 uL				
LCS 480-552557/5		8260C		1 uL	1 uL				
MB 480-552557/7		8260C		1 uL	1 uL				
480-175955-B-4	DUP	8260C	T	1 uL	1 uL	L4			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-175955-1

SDG No.:

Project: Roxy Cleaners #442024

Client Sample ID	Lab Sample ID
RW-1	480-175955-1
RW-2	480-175955-2
RW-3	480-175955-3

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-1 | Lab Sample ID: 480-175955-1

Lab Name: Eurofins TestAmerica, Buffalo | Job No.: 480-175955-1

SDG ID.:

Matrix: Water | Date Sampled: 10/02/2020 13:05

Reporting Basis: WET | Date Received: 10/03/2020 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	7.1	1.0	0.43	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-2 Lab Sample ID: 480-175955-2

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG ID.:

Matrix: Water Date Sampled: 10/02/2020 13:10

Reporting Basis: WET Date Received: 10/03/2020 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	2.5	1.0	0.43	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-3 Lab Sample ID: 480-175955-3

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG ID.:

Matrix: Water Date Sampled: 10/02/2020 13:15

Reporting Basis: WET Date Received: 10/03/2020 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	0.50	1.0	0.43	mg/L	J		1	SM 5310C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Analyst: CLA Batch Start Date: 10/07/2020

Reporting Units: mg/L Analytical Batch No.: 553058

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
2	CCV	17:25	Total Organic Carbon	62.29	60.0	104	90-110		TOC_CCV_00120
3	CCB	17:40	Total Organic Carbon	ND					
13	CCV	20:28	Total Organic Carbon	62.53	60.0	104	90-110		TOC_CCV_00120
14	CCB	20:43	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 553058	Date: 10/07/2020 17:55						
SM 5310C	MB 480-553058/4	Total Organic Carbon	ND		mg/L	1.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 553058 Date: 10/07/2020 19:11											
SM 5310C	480-175955-2	Total Organic Carbon	2.5		mg/L						
SM 5310C	480-175955-2 MS	Total Organic Carbon	53.34		mg/L	50.0	102	54-131			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 553058 Date: 10/07/2020 19:27											
SM 5310C	480-175955-2 MSD	Total Organic Carbon	53.14		mg/L	50.0	101	54-131	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 553058	Date: 10/07/2020 18:10										
						LCS Source: TOC_LCS_00118					
SM 5310C	LCS 480-553058/5	Total Organic Carbon	61.07		mg/L	60.0	102	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-175955-1

SDG Number:

Matrix: Water Instrument ID: TOC10303

Method: SM 5310C MDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Organic Carbon		1	0.434

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-175955-1

SDG Number:

Matrix: Water Instrument ID: TOC10303

Method: SM 5310C XMDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon		1	0.434

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Instrument ID: TOC10303 Method: SM 5310C

Start Date: 10/07/2020 17:09 End Date: 10/08/2020 02:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC																			
RINSE 480-553058/1			17:09																				
CCV 480-553058/2	1		17:25	X																			
CCB 480-553058/3	1		17:40	X																			
MB 480-553058/4	1	T	17:55	X																			
LCS 480-553058/5	1	T	18:10	X																			
480-175955-1	1	T	18:26	X																			
480-175955-2	1	T	18:56	X																			
480-175955-2 MS	2	T	19:11	X																			
480-175955-2 MSD	2	T	19:27	X																			
480-175955-3	1	T	19:42	X																			
ZZZZZZ			19:57																				
ZZZZZZ			20:12																				
CCV 480-553058/13	1		20:28	X																			
CCB 480-553058/14	1		20:43	X																			
ZZZZZZ			20:59																				
ZZZZZZ			21:14																				
ZZZZZZ			21:29																				
ZZZZZZ			21:44																				
ZZZZZZ			22:00																				
ZZZZZZ			22:15																				
ZZZZZZ			22:31																				
ZZZZZZ			22:45																				
ZZZZZZ			23:01																				
ZZZZZZ			23:17																				
CCV 480-553058/25			23:32																				
CCB 480-553058/26			23:47																				
ZZZZZZ			00:03																				
ZZZZZZ			00:18																				
ZZZZZZ			00:33																				
ZZZZZZ			00:49																				
ZZZZZZ			01:04																				
ZZZZZZ			01:18																				
ZZZZZZ			01:34																				
CCV 480-553058/34			01:49																				
CCB 480-553058/35			02:04																				
CCVL 480-553058/36			02:20																				

Prep Types

T = Total/NA

TOC Wheel Worksheet

BATCH # 553058
Instrument # 3
SRF #

Method 5310
File Name 20201007P

	Sample ID	Dil	pH	Comment
1	Rinse			
2	CCV			
3	CCB			
4	MB			
5	LCS			
6	175955-D-1			
7	5955-E-1TFC			
8	5955-D-2			
9	5955-E-2MS	2		20mL → 40mL
10	5955-E-2MSD	2		
11	5955-D-3			
12	175877-C-2	10		4mL → 40mL
13	175996-L-1	10		
14	CCV			
15	CCB			
16	175996-L-2			
17	5996-L-3			
18	5996-L-4			
19	5996-L-5			
20	5996-L-6			
21	176012-L-1	40		1mL → 40mL
22	176028-A-1			
23	6028-A-2			
24	6028-A-3			
25	6028-A-4			
26	CCV			
27	CCB			
28	MB			
29	LCS			
30	176028-A-5			
31	6028-A-5MS			
32	6028-C-5MSD			
33	6028-A-6			
34	176060-C-1			
35				
36			CM	7 OCT 20
37				
38	CCV			
39	CCB			
40	CCVL			END
41				
42				
43				
44				
45				

553058
5310

46				
47				
48				
49				
50	CCV			
51	CCB			
52	MB			
53	LCS			
54				
55				
56				
57				
58				
59				
60				
61				
62	CCV			
63	CCB			
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74	CCV			
75	CCB			
76	MB			
77	LCS			
78				
79				
80				
81				
82				
83				
84				
85				
86	CCV			
87	CCB			

Date 7 OCT 20

Analyst MB

TIC 5952235

MS 6045453

CCV 6144437

LCS 6144438

All pH <2 CA

pipette (1000 uL) M359070

acid 5977530

sodium persulfate 6092002

phosphoric acid 6052776

OI Corporation TOC Reporter
Instrument ID: P410730479 Wet - Chemistry

User ID:toc Name:Total Organic Carbon
Title:Mr Dept:OIC-TOC

Calibration - Quick View -TOC

Revision: 1-20200918cal - Sep 18, 2020; 10-39-34 AM
Modified By: toc
Date Created: 2020/09/18; 10:46 AM
Last Modified: 2020/09/18; 02:09 PM
Last Calibrated: 2020/09/18; 01:13 PM

RF(ugC/k-cnt): 0.3488
R2: 0.9980
Reagent Blank(cts): 1,548
Offset Area(cts): 4,111
Offset Mass(ugC): -1.43

Std #	Conc (PPM)	Volume (mL)	# Reps	Area	Std. Dev	%RSD	Date Analysed
RW	0.000	2.000	2	4,119	639	15.51	2020-09-18; 11:50AM
1	1.000	2.000	2	9,908	603	6.08	2020-09-18; 12:05PM
2	5.000	2.000	2	31,025	601	1.94	2020-09-18; 12:21PM
3	10.000	2.000	2	60,962	1,727	2.83	2020-09-18; 12:36PM
4	50.000	2.000	2	300,090	5,691	1.90	2020-09-18; 12:51PM
5	100.000	2.000	2	570,782	16,126	2.83	2020-09-18; 01:07PM

ICV
ICB > in batch 550839

std 6045453
H_3PO_4 6052776
$Na(SO_4)_2$ 6092002

User ID:toc	Name: Total Organic Carbon
Title:Mr	Dept: OIC-TOC

5530578

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
2	Rinse	10/7/2020 5:09:36PM	1	2441	0.000	0.000
		10/7/2020 5:15:29PM	2	2912	0.000	0.000
			Avg	2676	0.000	0.000
			Std. Dev	333		
			%RSD	12.44		
3	CCV	10/7/2020 5:25:02PM	1	359467	123.936	61.968
		10/7/2020 5:30:56PM	2	363140	125.217	62.609
			Avg	361303	124.580	62.289
			Std. Dev	2597		
			%RSD	0.72		
4	CCB	10/7/2020 5:40:04PM	1	3225	0.000	0.000
		10/7/2020 5:46:14PM	2	3819	0.000	0.000
			Avg	3522	0.000	0.000
			Std. Dev	420		
			%RSD	11.93		
5	MB	10/7/2020 5:55:18PM	1	3362	0.000	0.000
		10/7/2020 6:01:29PM	2	4171	0.018	0.009
			Avg	3766	0.010	0.005
			Std. Dev	572		
			%RSD	15.19		
6	LCS	10/7/2020 6:10:53PM	1	353416	121.826	60.912
		10/7/2020 6:16:44PM	2	355275	122.474	61.237
			Avg	354345	122.150	61.074
			Std. Dev	1314		
			%RSD	0.37		
7	480-175955-D-1	10/7/2020 6:26:07PM	1	44869	14.212	7.106
		10/7/2020 6:32:02PM	2	45270	14.352	7.176
			Avg	45069	14.280	7.141
			Std. Dev	284		
			%RSD	0.63		
8	480-175955-E-1 TIC	10/7/2020 6:41:21PM	1	46476	14.773	7.387
		10/7/2020 6:47:15PM	2	46427	14.756	7.378
			Avg	46452	14.760	7.383
			Std. Dev	35		
			%RSD	0.07		
9	480-175955-D-2	10/7/2020 6:56:30PM	1	17722	4.744	2.372
		10/7/2020 7:02:34PM	2	19524	5.373	2.687
			Avg	18623	5.060	2.529
			Std. Dev	1274		
			%RSD	6.84		
10	480-175955-E-2 MS^2	10/7/2020 7:11:56PM	1	155369	52.752	26.376
		10/7/2020 7:17:51PM	2	158746	53.930	26.965

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	157058	53.340	26.671
			Std. Dev	2388		
			%RSD	1.52		
11	480-175955-E-2 MSD^2	10/7/2020 7:27:16PM	1	155242	52.708	26.353
		10/7/2020 7:33:09PM	2	157737	53.578	26.789
			Avg	156490	53.140	26.571
			Std. Dev	1764		
			%RSD	1.13		
12	480-175955-D-3	10/7/2020 7:42:24PM	1	7393	1.142	0.570
		10/7/2020 7:48:04PM	2	6551	0.848	0.424
			Avg	6972	1.000	0.497
			Std. Dev	596		
			%RSD	8.55		
13	480-175877-C-2^10	10/7/2020 7:57:51PM	1	295959	101.786	50.893
		10/7/2020 8:03:44PM	2	301714	103.793	51.897
			Avg	298836	102.790	51.395
			Std. Dev	4069		
			%RSD	1.36		
14	480-175996-L-1^10	10/7/2020 8:12:16PM	1	7533	1.191	0.595
	Re over	10/7/2020 8:18:25PM	2	6415	0.801	0.400
			Avg	6974	1.000	0.498
			Std. Dev	791		
			%RSD	11.34		
15	CCV	10/7/2020 8:28:26PM	1	361947	124.801	62.401
		10/7/2020 8:34:21PM	2	363422	125.316	62.658
			Avg	362685	125.060	62.529
			Std. Dev	1043		
			%RSD	0.29		
16	CCB	10/7/2020 8:43:04PM	1	2996	0.000	0.000
		10/7/2020 8:49:45PM	2	4050	0.000	0.000
			Avg	3523	0.000	0.000 ok
			Std. Dev	745		
			%RSD	21.14		
17	480-175996-L-2	10/7/2020 8:59:07PM	1	5828	0.596	0.298
		10/7/2020 9:04:45PM	2	5115	0.347	0.174
			Avg	5471	0.470	0.236
			Std. Dev	504		
			%RSD	9.21		
18	480-175996-L-3	10/7/2020 9:14:32PM	1	3502	0.000	0.000
		10/7/2020 9:20:16PM	2	3652	0.000	0.000
			Avg	3577	0.000	0.000
			Std. Dev	106		
			%RSD	2.97		

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
19	480-175996-L-4	10/7/2020 9:29:20PM	1	7575	1.205	0.603
		10/7/2020 9:34:50PM	2	8998	1.702	0.851
			Avg	8287	1.450	0.727
			Std. Dev	1006		
			%RSD	12.14		
20	480-175996-L-5	10/7/2020 9:44:45PM	1	6157	0.711	0.355
		10/7/2020 9:50:36PM	2	5034	0.319	0.160
			Avg	5595	0.510	0.258
			Std. Dev	794		
			%RSD	14.19		
21	480-175996-L-6	10/7/2020 10:00:09PM	1	5098	0.342	0.171
		10/7/2020 10:05:47PM	2	4431	0.109	0.054
			Avg	4765	0.230	0.113
			Std. Dev	472		
			%RSD	9.91		
22	480-176012-L-1^40 Re Range	10/7/2020 10:15:52PM	1	1693942	589.367	294.683
		10/7/2020 10:21:45PM	2	1680489	584.675	292.337
			Avg	1687215	587.020	293.510
			Std. Dev	9512		
			%RSD	0.56		
23	480-176028-A-1 Re carryover	10/7/2020 10:31:12PM	1	19173	5.251	2.625
		10/7/2020 10:37:04PM	2	20364	5.666	2.833
			Avg	19769	5.460	2.729
			Std. Dev	842		
			%RSD	4.26		
24	480-176028-A-2	10/7/2020 10:45:56PM	1	3841	0.000	0.000
		10/7/2020 10:52:03PM	2	4518	0.139	0.070
			Avg	4179	0.070	0.035
			Std. Dev	479		
			%RSD	11.46		
25	480-176028-A-3	10/7/2020 11:01:11PM	1	2556	0.000	0.000
		10/7/2020 11:07:08PM	2	2635	0.000	0.000
			Avg	2596	0.000	0.000
			Std. Dev	56		
			%RSD	2.17		
26	480-176028-A-4	10/7/2020 11:17:09PM	1	17789	4.768	2.384
		10/7/2020 11:23:03PM	2	18678	5.078	2.538
			Avg	18234	4.920	2.461
			Std. Dev	629		
			%RSD	3.45		
27	CCV	10/7/2020 11:32:29PM	1	361999	124.819	62.410
		10/7/2020 11:38:22PM	2	365603	126.076	63.038

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	363801	125.450	62.724
			Std. Dev	2548		
			%RSD	0.70		
28	CCB	10/7/2020 11:47:46PM	1	3659	0.000	0.000
		10/7/2020 11:53:40PM	2	4165	0.016	0.008
			Avg	3912	0.010	0.004
			Std. Dev	358		
			%RSD	9.15		
29	MB	10/8/2020 12:03:01AM	1	3539	0.000	0.000
		10/8/2020 12:08:55AM	2	4070	0.000	0.000
			Avg	3804	0.000	0.000
			Std. Dev	375		
			%RSD	9.87		
30	LCS	10/8/2020 12:18:26AM	1	358894	123.736	61.868
		10/8/2020 12:24:20AM	2	360146	124.173	62.087
			Avg	359520	123.950	61.978
			Std. Dev	886		
			%RSD	0.25		
31	480-176028-A-5	10/8/2020 12:33:32AM	1	7928	1.328	0.664
		10/8/2020 12:39:36AM	2	8673	1.588	0.794
			Avg	8300	1.460	0.729
			Std. Dev	527		
			%RSD	6.35		
32	480-176028-B-5 MS	10/8/2020 12:49:05AM	1	138772	46.963	23.482
		10/8/2020 12:54:58AM	2	142522	48.272	24.136
			Avg	140647	47.620	23.809
			Std. Dev	2652		
			%RSD	1.89		
33	480-176028-C-5 MSD	10/8/2020 1:04:24AM	1	138668	46.927	23.464
		10/8/2020 1:10:18AM	2	141795	48.018	24.009
			Avg	140232	47.470	23.737
			Std. Dev	2211		
			%RSD	1.58		
34	480-176028-A-6	10/8/2020 1:18:58AM	1	2880	0.000	0.000
		10/8/2020 1:25:15AM	2	3323	0.000	0.000
			Avg	3102	0.000	0.000
			Std. Dev	313		
			%RSD	10.09		
35	480-176060-C-1	10/8/2020 1:34:24AM	1	228975	78.424	39.211
		10/8/2020 1:40:20AM	2	235570	80.724	40.362
			Avg	232272	79.570	39.787
			Std. Dev	4664		
			%RSD	2.01		

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
36	CCV	10/8/2020 1:49:49AM	1	362669	125.053	62.527
		10/8/2020 1:55:42AM	2	363690	125.409	62.705
			Avg	363179	125.230	62.616
			Std. Dev	722		
			%RSD	0.20		
37	CCB	10/8/2020 2:04:41AM	1	3545	0.000	0.000
		10/8/2020 2:11:03AM	2	4149	0.010	0.005
			Avg	3847	0.010	0.003
			Std. Dev	427		
			%RSD	11.09		
38	CCVL	10/8/2020 2:20:39AM	1	10492	2.223	1.111
		10/8/2020 2:26:33AM	2	10908	2.368	1.184
			Avg	10700	2.300	1.148
			Std. Dev	294		
			%RSD	2.75		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Batch Number: 553058 Batch Start Date: 10/07/20 17:09 Batch Analyst: Abramo, Charles L

Batch Method: SM 5310C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Res1&2RPD	RPDOK	Org carb std 00044	TOC_CCV 00120
CCV 480-553058/2		SM 5310C				1 %	TOC Pass		# mL
CCB 480-553058/3		SM 5310C					TOC Pass		
MB 480-553058/4		SM 5310C				200 %	TOC Fail		
LCS 480-553058/5		SM 5310C				1 %	TOC Pass		
480-175955-D-1	RW-1	SM 5310C	T			1 %	TOC Pass		
480-175955-D-2	RW-2	SM 5310C	T			12 %	TOC Fail		
480-175955-E-2 MS ^2	RW-2	SM 5310C	T	20 mL	40 mL	2 %	TOC Pass	1 mL	
480-175955-E-2 MSD ^2	RW-2	SM 5310C	T	20 mL	40 mL	2 %	TOC Pass	1 mL	
480-175955-D-3	RW-3	SM 5310C	T			29 %	TOC Fail		
CCV 480-553058/13		SM 5310C				0 %	TOC Pass		# mL
CCB 480-553058/14		SM 5310C					TOC Pass		

Lab Sample ID	Client Sample ID	Method Chain	Basis	TOC_LCS 00118					
CCV 480-553058/2		SM 5310C							
CCB 480-553058/3		SM 5310C							
MB 480-553058/4		SM 5310C							
LCS 480-553058/5		SM 5310C		# mL					
480-175955-D-1	RW-1	SM 5310C	T						
480-175955-D-2	RW-2	SM 5310C	T						
480-175955-E-2 MS ^2	RW-2	SM 5310C	T						
480-175955-E-2 MSD ^2	RW-2	SM 5310C	T						
480-175955-D-3	RW-3	SM 5310C	T						
CCV 480-553058/13		SM 5310C							
CCB 480-553058/14		SM 5310C							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-175955-1

SDG No.:

Batch Number: 553058 Batch Start Date: 10/07/20 17:09 Batch Analyst: Abramo, Charles L

Batch Method: SM 5310C Batch End Date:

Batch Notes	
Acid ID	5977530
Combustion Catylyst ID	TIC 5952235
Phosphoric Acid ID	6052776
Pipette/Syringe/Dispenser ID	M 35907 C
Sodium Persulfate ID	6092002

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Frank Zabel	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-145908-30092.1
Client Contact: Jessica Marcy	Phone: 518-470-0435	E-Mail: Judy.Stone@Eurofinset.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days):			
State, Zip: NY, 12020				
Phone:	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: A - HCL, M - Hexane, ... Other:

480-175955 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Number of contai	Special Instructions/Note:
			Preservation Code:				A	A	A		
RW-1	10/2/20	1305	G	Water			X		X		
RW-2	10/2/20	1310	G	Water			X		X		
RW-3	10/2/20	1315	G	Water			X		X		
DUP	10/2/20	1320	G	Water			X				
Effluent	10/2/20	1300	G	Water			X				
Trip Blank	10/2/20			Water				X			
				Water							
				Water							
		1112		Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Frank Zabel	10/2/20 1430	Aztech	Karl Ladue	10/2/20 1430	Eurofins
2	Karl Ladue	10/2/20 1700	Eurofins	Cwalker	10/3/20 1000	TAB
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 2.2

Ver: 01/16/2019

10/12/2020

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-175955-1

Login Number: 175955 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	Aztech
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 480-177779-1

Job Description: Roxy Cleaners #442024

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, NY 12233-7014

Attention: Jenelle Gaylord

Approved for release.
Wyatt B Watson
Project Management Assistant I
11/20/2020 9:19 AM

Designee for
Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
Judy.Stone@Eurofinset.com
11/20/2020

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Job Narrative
480-177779-1

Comments
No additional comments.

Receipt
The samples were received on 11/7/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4º C.

Receipt Exceptions
The following sample was canceled by the client for TOC on 11/9/20: RW-3 (480-177779-3). The chain had been marked incorrectly; no volume was received.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-3 (480-177779-3), (480-177779-A-3 MS) and (480-177779-A-3 MSD). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: New York State D.E.C.
Job ID: 480-177779-1
Project/Site: Roxy Cleaners #442024

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177779-1	RW-1	Water	11/06/20 13:05	11/07/20 08:00	
480-177779-2	RW-2	Water	11/06/20 13:10	11/07/20 08:00	
480-177779-3	RW-3	Water	11/06/20 13:15	11/07/20 08:00	
480-177779-4	DUP	Water	11/06/20 13:20	11/07/20 08:00	
480-177779-5	EFFLUENT	Water	11/06/20 13:00	11/07/20 08:00	
480-177779-6	TRIP BLANK	Water	11/06/20 00:00	11/07/20 08:00	

Detection Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-177779-1

Client Sample ID: RW-1 — Lab Sample ID: 480-177779-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	7.7		1.0	0.16	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.47	J	1.0	0.36	ug/L	1		8260C	Total/NA
Toluene	0.81	J	1.0	0.51	ug/L	1		8260C	Total/NA
Trichloroethene	0.52	J	1.0	0.46	ug/L	1		8260C	Total/NA
Total Organic Carbon	6.7		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: RW-2 — Lab Sample ID: 480-177779-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.35	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.6		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	37		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	3.4		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	2.8		1.0	0.90	ug/L	1		8260C	Total/NA
Total Organic Carbon	1.0		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: RW-3 — Lab Sample ID: 480-177779-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.7		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	170	F1	4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	2.6	J	4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: DUP — Lab Sample ID: 480-177779-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloroethane	1.3		1.0	0.23	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.0		1.0	0.81	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.51	J	1.0	0.16	ug/L	1		8260C	Total/NA
Tetrachloroethene	57		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.2		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.2		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-177779-5

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-177779-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Job ID: 480-177779-1
Project/Site: Roxy Cleaners #442024

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample ID: RW-1
Date Collected: 11/06/20 13:05
Date Received: 11/07/20 08:00

Lab Sample ID: 480-177779-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/09/20 13:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/20 13:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/09/20 13:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/09/20 13:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/09/20 13:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/09/20 13:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/09/20 13:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/09/20 13:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/09/20 13:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/09/20 13:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/09/20 13:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/09/20 13:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/09/20 13:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/09/20 13:18	1
2-Hexanone	ND		5.0	1.2	ug/L			11/09/20 13:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/09/20 13:18	1
Acetone	ND		10	3.0	ug/L			11/09/20 13:18	1
Benzene	ND		1.0	0.41	ug/L			11/09/20 13:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/09/20 13:18	1
Bromoform	ND		1.0	0.26	ug/L			11/09/20 13:18	1
Bromomethane	ND		1.0	0.69	ug/L			11/09/20 13:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/09/20 13:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/09/20 13:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/09/20 13:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/09/20 13:18	1
Chloroethane	ND		1.0	0.32	ug/L			11/09/20 13:18	1
Chloroform	ND		1.0	0.34	ug/L			11/09/20 13:18	1
Chloromethane	ND		1.0	0.35	ug/L			11/09/20 13:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/09/20 13:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/09/20 13:18	1
Cyclohexane	ND		1.0	0.18	ug/L			11/09/20 13:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/09/20 13:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/09/20 13:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/09/20 13:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/09/20 13:18	1
Methyl acetate	ND		2.5	1.3	ug/L			11/09/20 13:18	1
Methyl tert-butyl ether	**7.7**		1.0	0.16	ug/L			11/09/20 13:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/09/20 13:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/09/20 13:18	1
Styrene	ND		1.0	0.73	ug/L			11/09/20 13:18	1
Tetrachloroethene	**0.47**	**J**	1.0	0.36	ug/L			11/09/20 13:18	1
Toluene	**0.81**	**J**	1.0	0.51	ug/L			11/09/20 13:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/09/20 13:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/09/20 13:18	1
Trichloroethene	**0.52**	**J**	1.0	0.46	ug/L			11/09/20 13:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/09/20 13:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/09/20 13:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/09/20 13:18	1

Client Sample ID: RW-1
Lab Sample ID: 480-177779-1

Date Collected: 11/06/20 13:05
Matrix: Water
Date Received: 11/07/20 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/09/20 13:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*11/09/20 13:18*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/09/20 13:18*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/09/20 13:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**6.7**		1.0	0.43	mg/L			11/15/20 10:29	1

Client Sample ID: RW-2
Lab Sample ID: 480-177779-2

Date Collected: 11/06/20 13:10
Matrix: Water
Date Received: 11/07/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/20 12:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/20 12:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/20 12:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/08/20 12:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/20 12:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/20 12:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/08/20 12:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/08/20 12:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/08/20 12:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/20 12:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/20 12:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/08/20 12:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/08/20 12:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/20 12:54	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/20 12:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/20 12:54	1
Acetone	ND		10	3.0	ug/L			11/08/20 12:54	1
Benzene	ND		1.0	0.41	ug/L			11/08/20 12:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/20 12:54	1
Bromoform	ND		1.0	0.26	ug/L			11/08/20 12:54	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/20 12:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/20 12:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/20 12:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/20 12:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/20 12:54	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/20 12:54	1
Chloroform	**0.35**	**J**	1.0	0.34	ug/L			11/08/20 12:54	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/20 12:54	1
cis-1,2-Dichloroethene	**3.6**		1.0	0.81	ug/L			11/08/20 12:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/20 12:54	1
Cyclohexane	ND		1.0	0.18	ug/L			11/08/20 12:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/08/20 12:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/20 12:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/08/20 12:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/08/20 12:54	1
Methyl acetate	ND		2.5	1.3	ug/L			11/08/20 12:54	1

Client Sample ID: RW-2
Lab Sample ID: 480-177779-2

Date Collected: 11/06/20 13:10
Matrix: Water
Date Received: 11/07/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/08/20 12:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/08/20 12:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/20 12:54	1
Styrene	ND		1.0	0.73	ug/L			11/08/20 12:54	1
Tetrachloroethene	**37**		1.0	0.36	ug/L			11/08/20 12:54	1
Toluene	ND		1.0	0.51	ug/L			11/08/20 12:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/20 12:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/20 12:54	1
Trichloroethene	**3.4**		1.0	0.46	ug/L			11/08/20 12:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/08/20 12:54	1
Vinyl chloride	**2.8**		1.0	0.90	ug/L			11/08/20 12:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/20 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*11/08/20 12:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/08/20 12:54*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/08/20 12:54*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/08/20 12:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.0**		1.0	0.43	mg/L			11/15/20 10:44	1

Client Sample ID: RW-3
Lab Sample ID: 480-177779-3

Date Collected: 11/06/20 13:15
Matrix: Water
Date Received: 11/07/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			11/08/20 13:19	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/08/20 13:19	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/08/20 13:19	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			11/08/20 13:19	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			11/08/20 13:19	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			11/08/20 13:19	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			11/08/20 13:19	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			11/08/20 13:19	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			11/08/20 13:19	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/08/20 13:19	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/08/20 13:19	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			11/08/20 13:19	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			11/08/20 13:19	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/08/20 13:19	4
2-Hexanone	ND		20	5.0	ug/L			11/08/20 13:19	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/08/20 13:19	4
Acetone	ND		40	12	ug/L			11/08/20 13:19	4
Benzene	ND		4.0	1.6	ug/L			11/08/20 13:19	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/08/20 13:19	4
Bromoform	ND		4.0	1.0	ug/L			11/08/20 13:19	4
Bromomethane	ND		4.0	2.8	ug/L			11/08/20 13:19	4

Client Sample ID: RW-3
Lab Sample ID: 480-177779-3

Date Collected: 11/06/20 13:15
Matrix: Water
Date Received: 11/07/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			11/08/20 13:19	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/08/20 13:19	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/08/20 13:19	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/08/20 13:19	4
Chloroethane	ND		4.0	1.3	ug/L			11/08/20 13:19	4
Chloroform	ND		4.0	1.4	ug/L			11/08/20 13:19	4
Chloromethane	ND		4.0	1.4	ug/L			11/08/20 13:19	4
cis-1,2-Dichloroethene	**5.7**		4.0	3.2	ug/L			11/08/20 13:19	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/08/20 13:19	4
Cyclohexane	ND		4.0	0.72	ug/L			11/08/20 13:19	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			11/08/20 13:19	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/08/20 13:19	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			11/08/20 13:19	4
Isopropylbenzene	ND		4.0	3.2	ug/L			11/08/20 13:19	4
Methyl acetate	ND		10	5.2	ug/L			11/08/20 13:19	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			11/08/20 13:19	4
Methylcyclohexane	ND		4.0	0.64	ug/L			11/08/20 13:19	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/08/20 13:19	4
Styrene	ND		4.0	2.9	ug/L			11/08/20 13:19	4
Tetrachloroethene	**170**	**F1**	4.0	1.4	ug/L			11/08/20 13:19	4
Toluene	ND		4.0	2.0	ug/L			11/08/20 13:19	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/08/20 13:19	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/08/20 13:19	4
Trichloroethene	**2.6**	**J**	4.0	1.8	ug/L			11/08/20 13:19	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			11/08/20 13:19	4
Vinyl chloride	ND		4.0	3.6	ug/L			11/08/20 13:19	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/08/20 13:19	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/08/20 13:19*	*4*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/08/20 13:19*	*4*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*11/08/20 13:19*	*4*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/08/20 13:19*	*4*

Client Sample ID: DUP
Lab Sample ID: 480-177779-4

Date Collected: 11/06/20 13:20
Matrix: Water
Date Received: 11/07/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/09/20 13:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/20 13:41	1
1,1,2-Trichloroethane	**1.3**		1.0	0.23	ug/L			11/09/20 13:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/09/20 13:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/09/20 13:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/09/20 13:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/09/20 13:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/09/20 13:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/09/20 13:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/09/20 13:41	1

Client Sample ID: DUP
Date Collected: 11/06/20 13:20
Date Received: 11/07/20 08:00

Lab Sample ID: 480-177779-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/09/20 13:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/09/20 13:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/09/20 13:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/09/20 13:41	1
2-Hexanone	ND		5.0	1.2	ug/L			11/09/20 13:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/09/20 13:41	1
Acetone	ND		10	3.0	ug/L			11/09/20 13:41	1
Benzene	ND		1.0	0.41	ug/L			11/09/20 13:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/09/20 13:41	1
Bromoform	ND		1.0	0.26	ug/L			11/09/20 13:41	1
Bromomethane	ND		1.0	0.69	ug/L			11/09/20 13:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/09/20 13:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/09/20 13:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/09/20 13:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/09/20 13:41	1
Chloroethane	ND		1.0	0.32	ug/L			11/09/20 13:41	1
Chloroform	ND		1.0	0.34	ug/L			11/09/20 13:41	1
Chloromethane	ND		1.0	0.35	ug/L			11/09/20 13:41	1
cis-1,2-Dichloroethene	**2.0**		1.0	0.81	ug/L			11/09/20 13:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/09/20 13:41	1
Cyclohexane	ND		1.0	0.18	ug/L			11/09/20 13:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/09/20 13:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/09/20 13:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/09/20 13:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/09/20 13:41	1
Methyl acetate	ND		2.5	1.3	ug/L			11/09/20 13:41	1
Methyl tert-butyl ether	**0.51**	**J**	1.0	0.16	ug/L			11/09/20 13:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/09/20 13:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/09/20 13:41	1
Styrene	ND		1.0	0.73	ug/L			11/09/20 13:41	1
Tetrachloroethene	**57**		1.0	0.36	ug/L			11/09/20 13:41	1
Toluene	ND		1.0	0.51	ug/L			11/09/20 13:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/09/20 13:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/09/20 13:41	1
Trichloroethene	**2.2**		1.0	0.46	ug/L			11/09/20 13:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/09/20 13:41	1
Vinyl chloride	**1.2**		1.0	0.90	ug/L			11/09/20 13:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/09/20 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/09/20 13:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*11/09/20 13:41*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/09/20 13:41*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/09/20 13:41*	*1*

Client: New York State D.E.C.
Job ID: 480-177779-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: EFFLUENT
Lab Sample ID: 480-177779-5

Date Collected: 11/06/20 13:00
Matrix: Water

Date Received: 11/07/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/20 14:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/20 14:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/20 14:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/08/20 14:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/20 14:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/20 14:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/08/20 14:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/08/20 14:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/08/20 14:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/20 14:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/20 14:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/08/20 14:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/08/20 14:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/20 14:09	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/20 14:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/20 14:09	1
Acetone	ND		10	3.0	ug/L			11/08/20 14:09	1
Benzene	ND		1.0	0.41	ug/L			11/08/20 14:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/20 14:09	1
Bromoform	ND		1.0	0.26	ug/L			11/08/20 14:09	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/20 14:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/20 14:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/20 14:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/20 14:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/20 14:09	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/20 14:09	1
Chloroform	ND		1.0	0.34	ug/L			11/08/20 14:09	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/20 14:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/20 14:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/20 14:09	1
Cyclohexane	ND		1.0	0.18	ug/L			11/08/20 14:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/08/20 14:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/20 14:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/08/20 14:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/08/20 14:09	1
Methyl acetate	ND		2.5	1.3	ug/L			11/08/20 14:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/08/20 14:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/08/20 14:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/20 14:09	1
Styrene	ND		1.0	0.73	ug/L			11/08/20 14:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/20 14:09	1
Toluene	ND		1.0	0.51	ug/L			11/08/20 14:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/20 14:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/20 14:09	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/20 14:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/08/20 14:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/08/20 14:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/20 14:09	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-177779-5

Date Collected: 11/06/20 13:00
Matrix: Water
Date Received: 11/07/20 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/08/20 14:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*11/08/20 14:09*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/08/20 14:09*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*11/08/20 14:09*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-177779-6

Date Collected: 11/06/20 00:00
Matrix: Water
Date Received: 11/07/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/20 14:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/20 14:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/20 14:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/08/20 14:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/20 14:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/20 14:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/08/20 14:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/08/20 14:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/08/20 14:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/20 14:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/20 14:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/08/20 14:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/08/20 14:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/20 14:33	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/20 14:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/20 14:33	1
Acetone	ND		10	3.0	ug/L			11/08/20 14:33	1
Benzene	ND		1.0	0.41	ug/L			11/08/20 14:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/20 14:33	1
Bromoform	ND		1.0	0.26	ug/L			11/08/20 14:33	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/20 14:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/20 14:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/20 14:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/20 14:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/20 14:33	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/20 14:33	1
Chloroform	ND		1.0	0.34	ug/L			11/08/20 14:33	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/20 14:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/20 14:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/20 14:33	1
Cyclohexane	ND		1.0	0.18	ug/L			11/08/20 14:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/08/20 14:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/20 14:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/08/20 14:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/08/20 14:33	1
Methyl acetate	ND		2.5	1.3	ug/L			11/08/20 14:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/08/20 14:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/08/20 14:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/20 14:33	1

Client: New York State D.E.C.
Job ID: 480-177779-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-177779-6
Date Collected: 11/06/20 00:00
Matrix: Water
Date Received: 11/07/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			11/08/20 14:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/20 14:33	1
Toluene	ND		1.0	0.51	ug/L			11/08/20 14:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/20 14:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/20 14:33	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/20 14:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/08/20 14:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/08/20 14:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/20 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*11/08/20 14:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/08/20 14:33*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*11/08/20 14:33*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*11/08/20 14:33*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-177779-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-177779-1	RW-1	96	89	107	97
480-177779-2	RW-2	93	106	92	97
480-177779-3	RW-3	96	106	93	97
480-177779-3 MS	RW-3	100	105	109	99
480-177779-3 MSD	RW-3	96	110	106	101
480-177779-4	DUP	97	89	106	99
480-177779-5	EFFLUENT	97	107	102	96
480-177779-6	TRIP BLANK	91	103	90	94
LCS 480-557999/5	Lab Control Sample	99	107	105	98
LCS 480-558106/5	Lab Control Sample	98	88	109	97
MB 480-557999/7	Method Blank	97	107	100	97
MB 480-558106/7	Method Blank	99	91	106	97

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-177779-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-557999/7
Matrix: Water
Analysis Batch: 557999

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/08/20 11:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/08/20 11:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/08/20 11:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/08/20 11:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/08/20 11:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/08/20 11:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/08/20 11:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/08/20 11:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/08/20 11:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/08/20 11:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/08/20 11:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/08/20 11:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/08/20 11:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/08/20 11:06	1
2-Hexanone	ND		5.0	1.2	ug/L			11/08/20 11:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/08/20 11:06	1
Acetone	ND		10	3.0	ug/L			11/08/20 11:06	1
Benzene	ND		1.0	0.41	ug/L			11/08/20 11:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/08/20 11:06	1
Bromoform	ND		1.0	0.26	ug/L			11/08/20 11:06	1
Bromomethane	ND		1.0	0.69	ug/L			11/08/20 11:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/08/20 11:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/08/20 11:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/08/20 11:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/08/20 11:06	1
Chloroethane	ND		1.0	0.32	ug/L			11/08/20 11:06	1
Chloroform	ND		1.0	0.34	ug/L			11/08/20 11:06	1
Chloromethane	ND		1.0	0.35	ug/L			11/08/20 11:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/08/20 11:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/08/20 11:06	1
Cyclohexane	ND		1.0	0.18	ug/L			11/08/20 11:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/08/20 11:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/08/20 11:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/08/20 11:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/08/20 11:06	1
Methyl acetate	ND		2.5	1.3	ug/L			11/08/20 11:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/08/20 11:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/08/20 11:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/08/20 11:06	1
Styrene	ND		1.0	0.73	ug/L			11/08/20 11:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/08/20 11:06	1
Toluene	ND		1.0	0.51	ug/L			11/08/20 11:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/08/20 11:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/08/20 11:06	1
Trichloroethene	ND		1.0	0.46	ug/L			11/08/20 11:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/08/20 11:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/08/20 11:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/08/20 11:06	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-557999/7
Matrix: Water
Analysis Batch: 557999

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/08/20 11:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*11/08/20 11:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*11/08/20 11:06*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/08/20 11:06*	*1*

Lab Sample ID: LCS 480-557999/5
Matrix: Water
Analysis Batch: 557999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.3		ug/L		101	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.0		ug/L		92	61 - 148
1,1-Dichloroethane	25.0	24.6		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	23.3		ug/L		93	66 - 127
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	28.2		ug/L		113	56 - 134
1,2-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	27.2		ug/L		109	75 - 120
1,2-Dichloropropane	25.0	24.1		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	23.8		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 120
2-Butanone (MEK)	125	133		ug/L		106	57 - 140
2-Hexanone	125	139		ug/L		112	65 - 127
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		110	71 - 125
Acetone	125	125		ug/L		100	56 - 142
Benzene	25.0	24.4		ug/L		97	71 - 124
Bromodichloromethane	25.0	27.1		ug/L		108	80 - 122
Bromoform	25.0	28.5		ug/L		114	61 - 132
Bromomethane	25.0	18.5		ug/L		74	55 - 144
Carbon disulfide	25.0	23.9		ug/L		96	59 - 134
Carbon tetrachloride	25.0	26.0		ug/L		104	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	80 - 120
Dibromochloromethane	25.0	27.8		ug/L		111	75 - 125
Chloroethane	25.0	21.1		ug/L		84	69 - 136
Chloroform	25.0	23.8		ug/L		95	73 - 127
Chloromethane	25.0	23.5		ug/L		94	68 - 124
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	27.1		ug/L		108	74 - 124
Cyclohexane	25.0	24.0		ug/L		96	59 - 135
Dichlorodifluoromethane	25.0	23.4		ug/L		94	59 - 135
Ethylbenzene	25.0	24.1		ug/L		96	77 - 123
1,2-Dibromoethane	25.0	25.0		ug/L		100	77 - 120
Isopropylbenzene	25.0	24.2		ug/L		97	77 - 122
Methyl acetate	50.0	51.4		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	27.0		ug/L		108	77 - 120
Methylcyclohexane	25.0	23.2		ug/L		93	68 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-557999/5
Matrix: Water
Analysis Batch: 557999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	21.6		ug/L		87	75 - 124
Styrene	25.0	25.4		ug/L		102	80 - 120
Tetrachloroethene	25.0	23.2		ug/L		93	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	23.4		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	27.8		ug/L		111	80 - 120
Trichloroethene	25.0	24.5		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	25.3		ug/L		101	62 - 150
Vinyl chloride	25.0	22.1		ug/L		88	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: 480-177779-3 MS
Matrix: Water
Analysis Batch: 557999

Client Sample ID: RW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		100	107		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	104		ug/L		104	76 - 120
1,1,2-Trichloroethane	ND		100	105		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	96.2		ug/L		96	61 - 148
1,1-Dichloroethane	ND		100	102		ug/L		102	77 - 120
1,1-Dichloroethene	ND		100	98.3		ug/L		98	66 - 127
1,2,4-Trichlorobenzene	ND		100	112		ug/L		112	79 - 122
1,2-Dibromo-3-Chloropropane	ND		100	127		ug/L		127	56 - 134
1,2-Dichlorobenzene	ND		100	107		ug/L		107	80 - 124
1,2-Dichloroethane	ND		100	112		ug/L		112	75 - 120
1,2-Dichloropropane	ND		100	99.3		ug/L		99	76 - 120
1,3-Dichlorobenzene	ND		100	106		ug/L		106	77 - 120
1,4-Dichlorobenzene	ND		100	104		ug/L		104	78 - 124
2-Butanone (MEK)	ND		500	530		ug/L		106	57 - 140
2-Hexanone	ND		500	577		ug/L		115	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		500	579		ug/L		116	71 - 125
Acetone	ND		500	494		ug/L		99	56 - 142
Benzene	ND		100	101		ug/L		101	71 - 124
Bromodichloromethane	ND		100	113		ug/L		113	80 - 122
Bromoform	ND		100	119		ug/L		119	61 - 132
Bromomethane	ND		100	73.6		ug/L		74	55 - 144
Carbon disulfide	ND		100	91.4		ug/L		91	59 - 134
Carbon tetrachloride	ND		100	110		ug/L		110	72 - 134
Chlorobenzene	ND		100	105		ug/L		105	80 - 120
Dibromochloromethane	ND		100	118		ug/L		118	75 - 125
Chloroethane	ND		100	82.3		ug/L		82	69 - 136
Chloroform	ND		100	100		ug/L		100	73 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-177779-3 MS
Matrix: Water
Analysis Batch: 557999

Client Sample ID: RW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		100	93.9		ug/L		94	68 - 124
cis-1,2-Dichloroethene	5.7		100	106		ug/L		101	74 - 124
cis-1,3-Dichloropropene	ND		100	108		ug/L		108	74 - 124
Cyclohexane	ND		100	98.9		ug/L		99	59 - 135
Dichlorodifluoromethane	ND		100	94.9		ug/L		95	59 - 135
Ethylbenzene	ND		100	104		ug/L		104	77 - 123
1,2-Dibromoethane	ND		100	107		ug/L		107	77 - 120
Isopropylbenzene	ND		100	109		ug/L		109	77 - 122
Methyl acetate	ND		200	206		ug/L		103	74 - 133
Methyl tert-butyl ether	ND		100	112		ug/L		112	77 - 120
Methylcyclohexane	ND		100	96.6		ug/L		97	68 - 134
Methylene Chloride	ND		100	89.3		ug/L		89	75 - 124
Styrene	ND		100	108		ug/L		108	80 - 120
Tetrachloroethene	170	F1	100	234	F1	ug/L		59	74 - 122
Toluene	ND		100	104		ug/L		104	80 - 122
trans-1,2-Dichloroethene	ND		100	99.8		ug/L		100	73 - 127
trans-1,3-Dichloropropene	ND		100	113		ug/L		113	80 - 120
Trichloroethene	2.6	J	100	106		ug/L		103	74 - 123
Trichlorofluoromethane	ND		100	104		ug/L		104	62 - 150
Vinyl chloride	ND		100	88.1		ug/L		88	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Lab Sample ID: 480-177779-3 MSD
Matrix: Water
Analysis Batch: 557999

Client Sample ID: RW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	106		ug/L		106	73 - 126	1	15
1,1,2,2-Tetrachloroethane	ND		100	93.5		ug/L		93	76 - 120	10	15
1,1,2-Trichloroethane	ND		100	98.2		ug/L		98	76 - 122	6	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	91.8		ug/L		92	61 - 148	5	20
1,1-Dichloroethane	ND		100	101		ug/L		101	77 - 120	1	20
1,1-Dichloroethene	ND		100	95.2		ug/L		95	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		100	98.8		ug/L		99	79 - 122	12	20
1,2-Dibromo-3-Chloropropane	ND		100	117		ug/L		117	56 - 134	8	15
1,2-Dichlorobenzene	ND		100	96.6		ug/L		97	80 - 124	10	20
1,2-Dichloroethane	ND		100	112		ug/L		112	75 - 120	1	20
1,2-Dichloropropane	ND		100	98.8		ug/L		99	76 - 120	1	20
1,3-Dichlorobenzene	ND		100	95.1		ug/L		95	77 - 120	11	20
1,4-Dichlorobenzene	ND		100	92.4		ug/L		92	78 - 124	11	20
2-Butanone (MEK)	ND		500	557		ug/L		111	57 - 140	5	20
2-Hexanone	ND		500	575		ug/L		115	65 - 127	0	15
4-Methyl-2-pentanone (MIBK)	ND		500	567		ug/L		113	71 - 125	2	35

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-177779-3 MSD
Matrix: Water
Analysis Batch: 557999

Client Sample ID: RW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		500	516		ug/L		103	56 - 142	4	15
Benzene	ND		100	99.6		ug/L		100	71 - 124	2	13
Bromodichloromethane	ND		100	113		ug/L		113	80 - 122	0	15
Bromoform	ND		100	116		ug/L		116	61 - 132	2	15
Bromomethane	ND		100	73.4		ug/L		73	55 - 144	0	15
Carbon disulfide	ND		100	88.5		ug/L		89	59 - 134	3	15
Carbon tetrachloride	ND		100	108		ug/L		108	72 - 134	1	15
Chlorobenzene	ND		100	98.5		ug/L		98	80 - 120	6	25
Dibromochloromethane	ND		100	113		ug/L		113	75 - 125	4	15
Chloroethane	ND		100	82.7		ug/L		83	69 - 136	1	15
Chloroform	ND		100	98.4		ug/L		98	73 - 127	2	20
Chloromethane	ND		100	93.7		ug/L		94	68 - 124	0	15
cis-1,2-Dichloroethene	5.7		100	104		ug/L		99	74 - 124	2	15
cis-1,3-Dichloropropene	ND		100	109		ug/L		109	74 - 124	1	15
Cyclohexane	ND		100	96.1		ug/L		96	59 - 135	3	20
Dichlorodifluoromethane	ND		100	92.9		ug/L		93	59 - 135	2	20
Ethylbenzene	ND		100	97.3		ug/L		97	77 - 123	6	15
1,2-Dibromoethane	ND		100	102		ug/L		102	77 - 120	5	15
Isopropylbenzene	ND		100	94.9		ug/L		95	77 - 122	14	20
Methyl acetate	ND		200	212		ug/L		106	74 - 133	3	20
Methyl tert-butyl ether	ND		100	112		ug/L		112	77 - 120	0	37
Methylcyclohexane	ND		100	94.3		ug/L		94	68 - 134	2	20
Methylene Chloride	ND		100	89.7		ug/L		90	75 - 124	0	15
Styrene	ND		100	103		ug/L		103	80 - 120	5	20
Tetrachloroethene	170	F1	100	214	F1	ug/L		39	74 - 122	9	20
Toluene	ND		100	97.7		ug/L		98	80 - 122	6	15
trans-1,2-Dichloroethene	ND		100	98.7		ug/L		99	73 - 127	1	20
trans-1,3-Dichloropropene	ND		100	107		ug/L		107	80 - 120	6	15
Trichloroethene	2.6	J	100	103		ug/L		100	74 - 123	3	16
Trichlorofluoromethane	ND		100	102		ug/L		102	62 - 150	1	20
Vinyl chloride	ND		100	87.7		ug/L		88	65 - 133	0	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: MB 480-558106/7
Matrix: Water
Analysis Batch: 558106

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/09/20 12:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/09/20 12:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/09/20 12:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/09/20 12:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/09/20 12:08	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-558106/7
Matrix: Water
Analysis Batch: 558106

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/09/20 12:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/09/20 12:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/09/20 12:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/09/20 12:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/09/20 12:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/09/20 12:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/09/20 12:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/09/20 12:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/09/20 12:08	1
2-Hexanone	ND		5.0	1.2	ug/L			11/09/20 12:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/09/20 12:08	1
Acetone	ND		10	3.0	ug/L			11/09/20 12:08	1
Benzene	ND		1.0	0.41	ug/L			11/09/20 12:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/09/20 12:08	1
Bromoform	ND		1.0	0.26	ug/L			11/09/20 12:08	1
Bromomethane	ND		1.0	0.69	ug/L			11/09/20 12:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/09/20 12:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/09/20 12:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/09/20 12:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/09/20 12:08	1
Chloroethane	ND		1.0	0.32	ug/L			11/09/20 12:08	1
Chloroform	ND		1.0	0.34	ug/L			11/09/20 12:08	1
Chloromethane	ND		1.0	0.35	ug/L			11/09/20 12:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/09/20 12:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/09/20 12:08	1
Cyclohexane	ND		1.0	0.18	ug/L			11/09/20 12:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/09/20 12:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/09/20 12:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/09/20 12:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/09/20 12:08	1
Methyl acetate	ND		2.5	1.3	ug/L			11/09/20 12:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/09/20 12:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/09/20 12:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/09/20 12:08	1
Styrene	ND		1.0	0.73	ug/L			11/09/20 12:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/09/20 12:08	1
Toluene	ND		1.0	0.51	ug/L			11/09/20 12:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/09/20 12:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/09/20 12:08	1
Trichloroethene	ND		1.0	0.46	ug/L			11/09/20 12:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/09/20 12:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/09/20 12:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/09/20 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/09/20 12:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*11/09/20 12:08*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/09/20 12:08*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-558106/7
Matrix: Water
Analysis Batch: 558106

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/09/20 12:08*	*1*

Lab Sample ID: LCS 480-558106/5
Matrix: Water
Analysis Batch: 558106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.2		ug/L		97	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.8		ug/L		111	61 - 148
1,1-Dichloroethane	25.0	23.6		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	25.7		ug/L		103	66 - 127
1,2,4-Trichlorobenzene	25.0	26.9		ug/L		108	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.0		ug/L		96	56 - 134
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	21.4		ug/L		86	75 - 120
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	24.4		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 120
2-Butanone (MEK)	125	111		ug/L		88	57 - 140
2-Hexanone	125	108		ug/L		86	65 - 127
4-Methyl-2-pentanone (MIBK)	125	107		ug/L		86	71 - 125
Acetone	125	107		ug/L		85	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	25.3		ug/L		101	80 - 122
Bromoform	25.0	30.6		ug/L		122	61 - 132
Bromomethane	25.0	25.9		ug/L		104	55 - 144
Carbon disulfide	25.0	25.8		ug/L		103	59 - 134
Carbon tetrachloride	25.0	24.2		ug/L		97	72 - 134
Chlorobenzene	25.0	25.1		ug/L		100	80 - 120
Dibromochloromethane	25.0	27.7		ug/L		111	75 - 125
Chloroethane	25.0	17.5		ug/L		70	69 - 136
Chloroform	25.0	23.4		ug/L		93	73 - 127
Chloromethane	25.0	19.4		ug/L		77	68 - 124
cis-1,2-Dichloroethene	25.0	24.9		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Cyclohexane	25.0	23.9		ug/L		96	59 - 135
Dichlorodifluoromethane	25.0	24.1		ug/L		96	59 - 135
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
1,2-Dibromoethane	25.0	26.4		ug/L		106	77 - 120
Isopropylbenzene	25.0	23.1		ug/L		92	77 - 122
Methyl acetate	50.0	45.3		ug/L		91	74 - 133
Methyl tert-butyl ether	25.0	24.9		ug/L		100	77 - 120
Methylcyclohexane	25.0	25.3		ug/L		101	68 - 134
Methylene Chloride	25.0	25.9		ug/L		103	75 - 124
Styrene	25.0	25.5		ug/L		102	80 - 120
Tetrachloroethene	25.0	26.8		ug/L		107	74 - 122

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-558106/5
Matrix: Water
Analysis Batch: 558106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	80 - 120
Trichloroethene	25.0	24.9		ug/L		100	74 - 123
Trichlorofluoromethane	25.0	22.7		ug/L		91	62 - 150
Vinyl chloride	25.0	20.2		ug/L		81	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Method: SM 5310C - TOC

Lab Sample ID: MB 480-559505/51
Matrix: Water
Analysis Batch: 559505

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			11/15/20 05:28	1

Lab Sample ID: LCS 480-559505/52
Matrix: Water
Analysis Batch: 559505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	60.26		mg/L		100	90 - 110

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-177779-1

GC/MS VOA

Analysis Batch: 557999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177779-2	RW-2	Total/NA	Water	8260C	
480-177779-3	RW-3	Total/NA	Water	8260C	
480-177779-5	EFFLUENT	Total/NA	Water	8260C	
480-177779-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-557999/7	Method Blank	Total/NA	Water	8260C	
LCS 480-557999/5	Lab Control Sample	Total/NA	Water	8260C	
480-177779-3 MS	RW-3	Total/NA	Water	8260C	
480-177779-3 MSD	RW-3	Total/NA	Water	8260C	

Analysis Batch: 558106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177779-1	RW-1	Total/NA	Water	8260C	
480-177779-4	DUP	Total/NA	Water	8260C	
MB 480-558106/7	Method Blank	Total/NA	Water	8260C	
LCS 480-558106/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 559505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177779-1	RW-1	Total/NA	Water	SM 5310C	
480-177779-2	RW-2	Total/NA	Water	SM 5310C	
MB 480-559505/51	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-559505/52	Lab Control Sample	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-177779-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-177779-1
Date Collected: 11/06/20 13:05
Matrix: Water
Date Received: 11/07/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	558106	11/09/20 13:18	CRL	TAL BUF
Total/NA	Analysis	SM 5310C		1	559505	11/15/20 10:29	CLA	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-177779-2
Date Collected: 11/06/20 13:10
Matrix: Water
Date Received: 11/07/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	557999	11/08/20 12:54	WJD	TAL BUF
Total/NA	Analysis	SM 5310C		1	559505	11/15/20 10:44	CLA	TAL BUF

Client Sample ID: RW-3
Lab Sample ID: 480-177779-3
Date Collected: 11/06/20 13:15
Matrix: Water
Date Received: 11/07/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	557999	11/08/20 13:19	WJD	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-177779-4
Date Collected: 11/06/20 13:20
Matrix: Water
Date Received: 11/07/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	558106	11/09/20 13:41	CRL	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-177779-5
Date Collected: 11/06/20 13:00
Matrix: Water
Date Received: 11/07/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	557999	11/08/20 14:09	WJD	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-177779-6
Date Collected: 11/06/20 00:00
Matrix: Water
Date Received: 11/07/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	557999	11/08/20 14:33	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-177779-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

Method 8260C

Volatile Organic Compounds (GC/MS) by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
RW-1	480-177779-1	97	89	96	107
RW-2	480-177779-2	97	106	93	92
RW-3	480-177779-3	97	106	96	93
DUP	480-177779-4	99	89	97	106
EFFLUENT	480-177779-5	96	107	97	102
TRIP BLANK	480-177779-6	94	103	91	90
	MB 480-557999/7	97	107	97	100
	MB 480-558106/7	97	91	99	106
	LCS 480-557999/5	98	107	99	105
	LCS 480-558106/5	97	88	98	109
RW-3 MS	480-177779-3 MS	99	105	100	109
RW-3 MSD	480-177779-3 MSD	101	110	96	106

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L3946.D

Lab ID: LCS 480-557999/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.3	101	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.8	95	76-120	
1,1,2-Trichloroethane	25.0	24.4	98	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.0	92	61-148	
1,1-Dichloroethane	25.0	24.6	98	77-120	
1,1-Dichloroethene	25.0	23.3	93	66-127	
1,2,4-Trichlorobenzene	25.0	24.9	100	79-122	
1,2-Dibromo-3-Chloropropane	25.0	28.2	113	56-134	
1,2-Dichlorobenzene	25.0	23.6	94	80-124	
1,2-Dichloroethane	25.0	27.2	109	75-120	
1,2-Dichloropropane	25.0	24.1	96	76-120	
1,3-Dichlorobenzene	25.0	23.8	95	77-120	
1,4-Dichlorobenzene	25.0	23.1	92	80-120	
2-Butanone (MEK)	125	133	106	57-140	
2-Hexanone	125	139	112	65-127	
4-Methyl-2-pentanone (MIBK)	125	137	110	71-125	
Acetone	125	125	100	56-142	
Benzene	25.0	24.4	97	71-124	
Bromodichloromethane	25.0	27.1	108	80-122	
Bromoform	25.0	28.5	114	61-132	
Bromomethane	25.0	18.5	74	55-144	
Carbon disulfide	25.0	23.9	96	59-134	
Carbon tetrachloride	25.0	26.0	104	72-134	
Chlorobenzene	25.0	24.2	97	80-120	
Dibromochloromethane	25.0	27.8	111	75-125	
Chloroethane	25.0	21.1	84	69-136	
Chloroform	25.0	23.8	95	73-127	
Chloromethane	25.0	23.5	94	68-124	
cis-1,2-Dichloroethene	25.0	24.3	97	74-124	
cis-1,3-Dichloropropene	25.0	27.1	108	74-124	
Cyclohexane	25.0	24.0	96	59-135	
Dichlorodifluoromethane	25.0	23.4	94	59-135	
Ethylbenzene	25.0	24.1	96	77-123	
1,2-Dibromoethane	25.0	25.0	100	77-120	
Isopropylbenzene	25.0	24.2	97	77-122	
Methyl acetate	50.0	51.4	103	74-133	
Methyl tert-butyl ether	25.0	27.0	108	77-120	
Methylcyclohexane	25.0	23.2	93	68-134	
Methylene Chloride	25.0	21.6	87	75-124	
Styrene	25.0	25.4	102	80-120	
Tetrachloroethene	25.0	23.2	93	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L3946.D

Lab ID: LCS 480-557999/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.2	97	80-122	
trans-1,2-Dichloroethene	25.0	23.4	93	73-127	
trans-1,3-Dichloropropene	25.0	27.8	111	80-120	
Trichloroethene	25.0	24.5	98	74-123	
Trichlorofluoromethane	25.0	25.3	101	62-150	
Vinyl chloride	25.0	22.1	88	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D38284.D

Lab ID: LCS 480-558106/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.2	97	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.8	95	76-120	
1,1,2-Trichloroethane	25.0	25.9	104	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.8	111	61-148	
1,1-Dichloroethane	25.0	23.6	94	77-120	
1,1-Dichloroethene	25.0	25.7	103	66-127	
1,2,4-Trichlorobenzene	25.0	26.9	108	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.0	96	56-134	
1,2-Dichlorobenzene	25.0	24.8	99	80-124	
1,2-Dichloroethane	25.0	21.4	86	75-120	
1,2-Dichloropropane	25.0	24.8	99	76-120	
1,3-Dichlorobenzene	25.0	24.4	98	77-120	
1,4-Dichlorobenzene	25.0	24.3	97	80-120	
2-Butanone (MEK)	125	111	88	57-140	
2-Hexanone	125	108	86	65-127	
4-Methyl-2-pentanone (MIBK)	125	107	86	71-125	
Acetone	125	107	85	56-142	
Benzene	25.0	24.7	99	71-124	
Bromodichloromethane	25.0	25.3	101	80-122	
Bromoform	25.0	30.6	122	61-132	
Bromomethane	25.0	25.9	104	55-144	
Carbon disulfide	25.0	25.8	103	59-134	
Carbon tetrachloride	25.0	24.2	97	72-134	
Chlorobenzene	25.0	25.1	100	80-120	
Dibromochloromethane	25.0	27.7	111	75-125	
Chloroethane	25.0	17.5	70	69-136	
Chloroform	25.0	23.4	93	73-127	
Chloromethane	25.0	19.4	77	68-124	
cis-1,2-Dichloroethene	25.0	24.9	100	74-124	
cis-1,3-Dichloropropene	25.0	26.2	105	74-124	
Cyclohexane	25.0	23.9	96	59-135	
Dichlorodifluoromethane	25.0	24.1	96	59-135	
Ethylbenzene	25.0	24.5	98	77-123	
1,2-Dibromoethane	25.0	26.4	106	77-120	
Isopropylbenzene	25.0	23.1	92	77-122	
Methyl acetate	50.0	45.3	91	74-133	
Methyl tert-butyl ether	25.0	24.9	100	77-120	
Methylcyclohexane	25.0	25.3	101	68-134	
Methylene Chloride	25.0	25.9	103	75-124	
Styrene	25.0	25.5	102	80-120	
Tetrachloroethene	25.0	26.8	107	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D38284.D

Lab ID: LCS 480-558106/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.8	99	80-122	
trans-1,2-Dichloroethene	25.0	25.7	103	73-127	
trans-1,3-Dichloropropene	25.0	25.5	102	80-120	
Trichloroethene	25.0	24.9	100	74-123	
Trichlorofluoromethane	25.0	22.7	91	62-150	
Vinyl chloride	25.0	20.2	81	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L3969.D

Lab ID: 480-177779-3 MS Client ID: RW-3 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	100	ND	107	107	73-126	
1,1,2,2-Tetrachloroethane	100	ND	104	104	76-120	
1,1,2-Trichloroethane	100	ND	105	105	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	100	ND	96.2	96	61-148	
1,1-Dichloroethane	100	ND	102	102	77-120	
1,1-Dichloroethene	100	ND	98.3	98	66-127	
1,2,4-Trichlorobenzene	100	ND	112	112	79-122	
1,2-Dibromo-3-Chloropropane	100	ND	127	127	56-134	
1,2-Dichlorobenzene	100	ND	107	107	80-124	
1,2-Dichloroethane	100	ND	112	112	75-120	
1,2-Dichloropropane	100	ND	99.3	99	76-120	
1,3-Dichlorobenzene	100	ND	106	106	77-120	
1,4-Dichlorobenzene	100	ND	104	104	78-124	
2-Butanone (MEK)	500	ND	530	106	57-140	
2-Hexanone	500	ND	577	115	65-127	
4-Methyl-2-pentanone (MIBK)	500	ND	579	116	71-125	
Acetone	500	ND	494	99	56-142	
Benzene	100	ND	101	101	71-124	
Bromodichloromethane	100	ND	113	113	80-122	
Bromoform	100	ND	119	119	61-132	
Bromomethane	100	ND	73.6	74	55-144	
Carbon disulfide	100	ND	91.4	91	59-134	
Carbon tetrachloride	100	ND	110	110	72-134	
Chlorobenzene	100	ND	105	105	80-120	
Dibromochloromethane	100	ND	118	118	75-125	
Chloroethane	100	ND	82.3	82	69-136	
Chloroform	100	ND	100	100	73-127	
Chloromethane	100	ND	93.9	94	68-124	
cis-1,2-Dichloroethene	100	5.7	106	101	74-124	
cis-1,3-Dichloropropene	100	ND	108	108	74-124	
Cyclohexane	100	ND	98.9	99	59-135	
Dichlorodifluoromethane	100	ND	94.9	95	59-135	
Ethylbenzene	100	ND	104	104	77-123	
1,2-Dibromoethane	100	ND	107	107	77-120	
Isopropylbenzene	100	ND	109	109	77-122	
Methyl acetate	200	ND	206	103	74-133	
Methyl tert-butyl ether	100	ND	112	112	77-120	
Methylcyclohexane	100	ND	96.6	97	68-134	
Methylene Chloride	100	ND	89.3	89	75-124	
Styrene	100	ND	108	108	80-120	
Tetrachloroethene	100	170	234	59	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L3969.D

Lab ID: 480-177779-3 MS Client ID: RW-3 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	100	ND	104	104	80-122	
trans-1,2-Dichloroethene	100	ND	99.8	100	73-127	
trans-1,3-Dichloropropene	100	ND	113	113	80-120	
Trichloroethene	100	2.6 J	106	103	74-123	
Trichlorofluoromethane	100	ND	104	104	62-150	
Vinyl chloride	100	ND	88.1	88	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L3970.D

Lab ID: 480-177779-3 MSD Client ID: RW-3 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	100	106	106	1	15	73-126	
1,1,2,2-Tetrachloroethane	100	93.5	93	10	15	76-120	
1,1,2-Trichloroethane	100	98.2	98	6	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	100	91.8	92	5	20	61-148	
1,1-Dichloroethane	100	101	101	1	20	77-120	
1,1-Dichloroethene	100	95.2	95	3	16	66-127	
1,2,4-Trichlorobenzene	100	98.8	99	12	20	79-122	
1,2-Dibromo-3-Chloropropane	100	117	117	8	15	56-134	
1,2-Dichlorobenzene	100	96.6	97	10	20	80-124	
1,2-Dichloroethane	100	112	112	1	20	75-120	
1,2-Dichloropropane	100	98.8	99	1	20	76-120	
1,3-Dichlorobenzene	100	95.1	95	11	20	77-120	
1,4-Dichlorobenzene	100	92.4	92	11	20	78-124	
2-Butanone (MEK)	500	557	111	5	20	57-140	
2-Hexanone	500	575	115	0	15	65-127	
4-Methyl-2-pentanone (MIBK)	500	567	113	2	35	71-125	
Acetone	500	516	103	4	15	56-142	
Benzene	100	99.6	100	2	13	71-124	
Bromodichloromethane	100	113	113	0	15	80-122	
Bromoform	100	116	116	2	15	61-132	
Bromomethane	100	73.4	73	0	15	55-144	
Carbon disulfide	100	88.5	89	3	15	59-134	
Carbon tetrachloride	100	108	108	1	15	72-134	
Chlorobenzene	100	98.5	98	6	25	80-120	
Dibromochloromethane	100	113	113	4	15	75-125	
Chloroethane	100	82.7	83	1	15	69-136	
Chloroform	100	98.4	98	2	20	73-127	
Chloromethane	100	93.7	94	0	15	68-124	
cis-1,2-Dichloroethene	100	104	99	2	15	74-124	
cis-1,3-Dichloropropene	100	109	109	1	15	74-124	
Cyclohexane	100	96.1	96	3	20	59-135	
Dichlorodifluoromethane	100	92.9	93	2	20	59-135	
Ethylbenzene	100	97.3	97	6	15	77-123	
1,2-Dibromoethane	100	102	102	5	15	77-120	
Isopropylbenzene	100	94.9	95	14	20	77-122	
Methyl acetate	200	212	106	3	20	74-133	
Methyl tert-butyl ether	100	112	112	0	37	77-120	
Methylcyclohexane	100	94.3	94	2	20	68-134	
Methylene Chloride	100	89.7	90	0	15	75-124	
Styrene	100	103	103	5	20	80-120	
Tetrachloroethene	100	214	39	9	20	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L3970.D

Lab ID: 480-177779-3 MSD Client ID: RW-3 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	100	97.7	98	6	15	80-122	
trans-1,2-Dichloroethene	100	98.7	99	1	20	73-127	
trans-1,3-Dichloropropene	100	107	107	6	15	80-120	
Trichloroethene	100	103	100	3	16	74-123	
Trichlorofluoromethane	100	102	102	1	20	62-150	
Vinyl chloride	100	87.7	88	0	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab File ID: L3948.D Lab Sample ID: MB 480-557999/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5977L Date Analyzed: 11/08/2020 11:06

GC Column: ZB-624 (30) VOA ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-557999/5	L3946.D	11/08/2020 10:17
RW-2	480-177779-2	L3952.D	11/08/2020 12:54
RW-3	480-177779-3	L3953.D	11/08/2020 13:19
EFFLUENT	480-177779-5	L3955.D	11/08/2020 14:09
TRIP BLANK	480-177779-6	L3956.D	11/08/2020 14:33
RW-3 MS	480-177779-3 MS	L3969.D	11/08/2020 19:55
RW-3 MSD	480-177779-3 MSD	L3970.D	11/08/2020 20:19

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab File ID: D38286.D Lab Sample ID: MB 480-558106/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5975D Date Analyzed: 11/09/2020 12:08

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-558106/5	D38284.D	11/09/2020 11:21
RW-1	480-177779-1	D38288.D	11/09/2020 13:18
DUP	480-177779-4	D38289.D	11/09/2020 13:41

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab File ID: D36991.D BFB Injection Date: 10/10/2020

Instrument ID: HP5975D BFB Injection Time: 10:53

Analysis Batch No.: 553342

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.9	
75	30.0 - 60.0 % of mass 95	49.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.6	(0.8) 1
174	Greater than 50% of mass 95	86.5	
175	5.0 - 9.0 % of mass 174	6.4	(7.4) 1
176	95.0 - 101.0 % of mass 174	84.1	(97.2) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-553342/10	D36996.D	10/10/2020	12:52
	IC 480-553342/11	D36997.D	10/10/2020	13:16
	IC 480-553342/12	D36998.D	10/10/2020	13:39
	IC 480-553342/13	D36999.D	10/10/2020	14:02
	IC 480-553342/14	D37000.D	10/10/2020	14:25
	ICIS 480-553342/15	D37001.D	10/10/2020	14:49
	IC 480-553342/16	D37002.D	10/10/2020	15:12
	IC 480-553342/17	D37003.D	10/10/2020	15:35
	ICV 480-553342/31	D37017.D	10/10/2020	21:01

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab File ID: D38281.D BFB Injection Date: 11/09/2020

Instrument ID: HP5975D BFB Injection Time: 10:11

Analysis Batch No.: 558106

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.5	
75	30.0 - 60.0 % of mass 95	44.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	100.5	
175	5.0 - 9.0 % of mass 174	8.0	(8.0) 1
176	95.0 - 101.0 % of mass 174	96.4	(95.9) 1
177	5.0 - 9.0 % of mass 176	6.3	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-558106/3	D38282.D	11/09/2020	10:35
	LCS 480-558106/5	D38284.D	11/09/2020	11:21
	MB 480-558106/7	D38286.D	11/09/2020	12:08
RW-1	480-177779-1	D38288.D	11/09/2020	13:18
DUP	480-177779-4	D38289.D	11/09/2020	13:41

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab File ID: L3490.D BFB Injection Date: 10/27/2020

Instrument ID: HP5977L BFB Injection Time: 13:24

Analysis Batch No.: 555950

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.6	
75	30.0 - 60.0 % of mass 95	50.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.9	(1.1) 1
174	Greater than 50% of mass 95	85.4	
175	5.0 - 9.0 % of mass 174	6.4	(7.5) 1
176	95.0 - 101.0 % of mass 174	82.3	(96.3) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-555950/11	L3492.D	10/27/2020	14:14
	IC 480-555950/12	L3493.D	10/27/2020	14:39
	IC 480-555950/13	L3494.D	10/27/2020	15:03
	IC 480-555950/14	L3495.D	10/27/2020	15:28
	IC 480-555950/15	L3496.D	10/27/2020	15:52
	ICIS 480-555950/16	L3497.D	10/27/2020	16:17
	IC 480-555950/17	L3498.D	10/27/2020	16:42
	IC 480-555950/18	L3499.D	10/27/2020	17:06
	ICV 480-555950/32	L3513.D	10/27/2020	22:53

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab File ID: L3943.D BFB Injection Date: 11/08/2020

Instrument ID: HP5977L BFB Injection Time: 09:04

Analysis Batch No.: 557999

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.6	
75	30.0 - 60.0 % of mass 95	51.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	83.1	
175	5.0 - 9.0 % of mass 174	6.6	(7.9) 1
176	95.0 - 101.0 % of mass 174	81.2	(97.7) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-557999/3	L3944.D	11/08/2020	9:28
	LCS 480-557999/5	L3946.D	11/08/2020	10:17
	MB 480-557999/7	L3948.D	11/08/2020	11:06
RW-2	480-177779-2	L3952.D	11/08/2020	12:54
RW-3	480-177779-3	L3953.D	11/08/2020	13:19
EFFLUENT	480-177779-5	L3955.D	11/08/2020	14:09
TRIP BLANK	480-177779-6	L3956.D	11/08/2020	14:33
RW-3 MS	480-177779-3 MS	L3969.D	11/08/2020	19:55
RW-3 MSD	480-177779-3 MSD	L3970.D	11/08/2020	20:19

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Sample No.: ICIS 480-553342/15 Date Analyzed: 10/10/2020 14:49

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): D37001.D Heated Purge: (Y/N) N

Calibration ID: 40426

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		156871	5.44	331866	7.82	339488	9.75
UPPER LIMIT		313742	5.94	663732	8.32	678976	10.25
LOWER LIMIT		78436	4.94	165933	7.32	169744	9.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-553342/31		159027	5.43	344451	7.81	350542	9.74
CCVIS 480-558106/3		104104	5.42	226601	7.80	262926	9.73

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Sample No.: CCVIS 480-558106/3 Date Analyzed: 11/09/2020 10:35

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): D38282.D Heated Purge: (Y/N) N

Calibration ID: 40429

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		104104	5.42	226601	7.80	262926	9.73
UPPER LIMIT		208208	5.92	453202	8.30	525852	10.23
LOWER LIMIT		52052	4.92	113301	7.30	131463	9.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-558106/5		105444	5.42	230111	7.80	257227	9.73
MB 480-558106/7		109360	5.42	234842	7.80	258720	9.73
480-177779-1	RW-1	107007	5.42	234206	7.81	256641	9.73
480-177779-4	DUP	106058	5.42	232527	7.81	255896	9.73

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Sample No.: ICIS 480-555950/16 Date Analyzed: 10/27/2020 16:17

Instrument ID: HP5977L GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Lab File ID (Standard): L3497.D Heated Purge: (Y/N) N

Calibration ID: 40515

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		147561	6.49	652043	9.44	366650	11.74
UPPER LIMIT		295122	6.99	1304086	9.94	733300	12.24
LOWER LIMIT		73781	5.99	326022	8.94	183325	11.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-555950/32		150150	6.49	654249	9.45	358761	11.74
CCVIS 480-557999/3		186608	6.49	801897	9.44	444380	11.74

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Sample No.: CCVIS 480-557999/3 Date Analyzed: 11/08/2020 09:28

Instrument ID: HP5977L GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Lab File ID (Standard): L3944.D Heated Purge: (Y/N) N

Calibration ID: 40518

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		186608	6.49	801897	9.44	444380	11.74
UPPER LIMIT		373216	6.99	1603794	9.94	888760	12.24
LOWER LIMIT		93304	5.99	400949	8.94	222190	11.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-557999/5		199144	6.49	871420	9.44	479279	11.74
MB 480-557999/7		197284	6.49	867419	9.45	457208	11.74
480-177779-2	RW-2	192589	6.49	867552	9.45	458312	11.74
480-177779-3	RW-3	190298	6.49	848959	9.45	437370	11.74
480-177779-5	EFFLUENT	188779	6.49	827809	9.45	425966	11.74
480-177779-6	TRIP BLANK	192421	6.49	864750	9.45	464914	11.74
480-177779-3 MS	RW-3 MS	208930	6.49	896385	9.45	471661	11.74
480-177779-3 MSD	RW-3 MSD	206410	6.49	927220	9.45	526232	11.74

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: RW-1 Lab Sample ID: 480-177779-1

Matrix: Water Lab File ID: D38288.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:05

Sample wt/vol: 5(mL) Date Analyzed: 11/09/2020 13:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 558106 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: RW-1 Lab Sample ID: 480-177779-1

Matrix: Water Lab File ID: D38288.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:05

Sample wt/vol: 5(mL) Date Analyzed: 11/09/2020 13:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 558106 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	7.7		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	0.47	J	1.0	0.36
108-88-3	Toluene	0.81	J	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	0.52	J	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38288.D
Lims ID: 480-177779-B-1
Client ID: RW-1
Sample Type: Client
Inject. Date: 09-Nov-2020 13:18:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177779-B-1
Misc. Info.: 480-0094814-009
Operator ID: WD Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Nov-2020 14:45:49 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: dahnw Date: 09-Nov-2020 14:45:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.422	5.422	0.000	99	107007	25.0	
* 2 Chlorobenzene-d5	82	7.806	7.799	0.007	84	234206	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.732	9.726	0.006	94	256641	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.934	4.934	0.000	94	155060	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.196	5.196	0.000	97	83009	22.1	
$ 5 Toluene-d8 (Surr)	98	6.635	6.640	0.000	94	531504	24.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.763	8.769	0.000	97	206199	26.7	
10 Dichlorodifluoromethane	85		1.441				ND	
12 Chloromethane	50		1.648				ND	
13 Vinyl chloride	62		1.752				ND	U
14 Bromomethane	94		2.130				ND	
15 Chloroethane	64		2.221				ND	
17 Trichlorofluoromethane	101		2.453				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.965				ND	
22 1,1-Dichloroethene	96		2.983				ND	
23 Acetone	43		3.069				ND	
26 Carbon disulfide	76		3.178				ND	7
27 Methyl acetate	43		3.349				ND	
30 Methylene Chloride	84		3.477				ND	
32 Methyl tert-butyl ether	73	3.648	3.642	0.006	96	122496	7.68	
34 trans-1,2-Dichloroethene	96	3.666	3.660	0.006	96	2205	0.3855	
39 1,1-Dichloroethane	63		4.044				ND	
45 cis-1,2-Dichloroethene	96	4.538	4.532	0.006	79	3567	0.5412	
43 2-Butanone (MEK)	43		4.556				ND	
50 Chloroform	83		4.800				ND	
51 1,1,1-Trichloroethane	97		4.898				ND	
52 Cyclohexane	56		4.910				ND	
55 Carbon tetrachloride	117		5.013				ND	
57 Benzene	78		5.202				ND	
58 1,2-Dichloroethane	62		5.257				ND	
62 Trichloroethene	95	5.702	5.696	0.006	93	3387	0.5244	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.794				ND	
65 1,2-Dichloropropane	63		5.897				ND	
68 Dichlorobromomethane	83		6.123				ND	
72 cis-1,3-Dichloropropene	75		6.452				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.550				ND	
74 Toluene	92	6.690	6.689	0.006	98	12552	0.8136	
77 trans-1,3-Dichloropropene	75		6.891				ND	
79 1,1,2-Trichloroethane	83		7.050				ND	
81 Tetrachloroethene	166	7.111	7.110	0.007	93	3396	0.4730	
80 2-Hexanone	43		7.202				ND	
83 Chlorodibromomethane	129		7.373				ND	
84 Ethylene Dibromide	107		7.464				ND	
87 Chlorobenzene	112		7.824				ND	
88 Ethylbenzene	91		7.879				ND	
90 m-Xylene & p-Xylene	106		7.970				ND	
91 o-Xylene	106		8.305				ND	
92 Styrene	104		8.324				ND	
95 Bromoform	173		8.537				ND	
94 Isopropylbenzene	105		8.586				ND	
97 1,1,2,2-Tetrachloroethane	83		8.909				ND	
111 1,3-Dichlorobenzene	146		9.671				ND	
113 1,4-Dichlorobenzene	146		9.750				ND	
116 1,2-Dichlorobenzene	146		10.073				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.768				ND	
119 1,2,4-Trichlorobenzene	180		11.409				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00023 Amount Added: 1.00 Units: uL Run Reagent

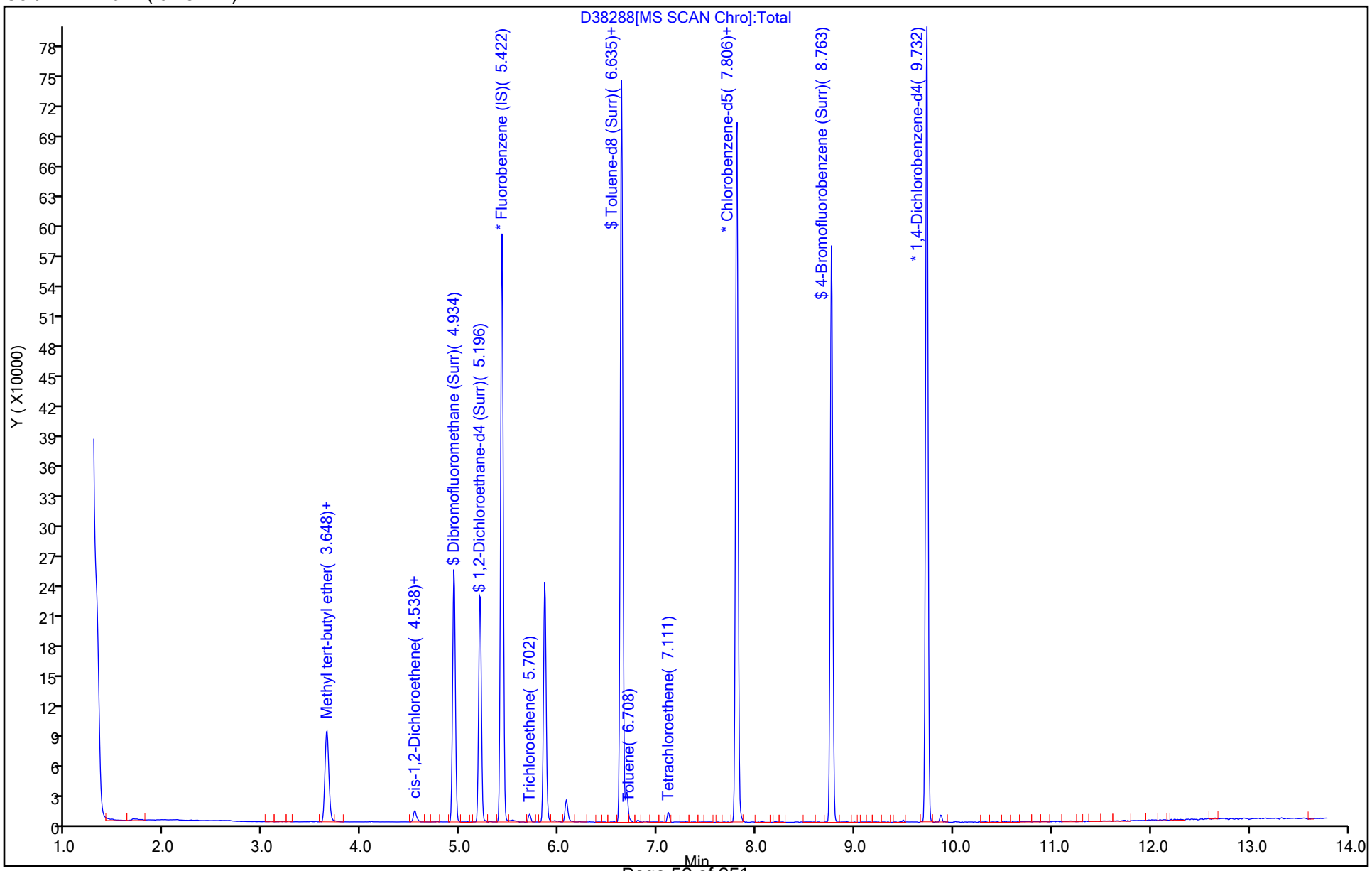
Report Date: 09-Nov-2020 14:45:50 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38288.D

Injection Date:	09-Nov-2020 13:18:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	480-177779-B-1	Lab Sample ID:	480-177779-1	Worklist Smp#:	9
Client ID:	RW-1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

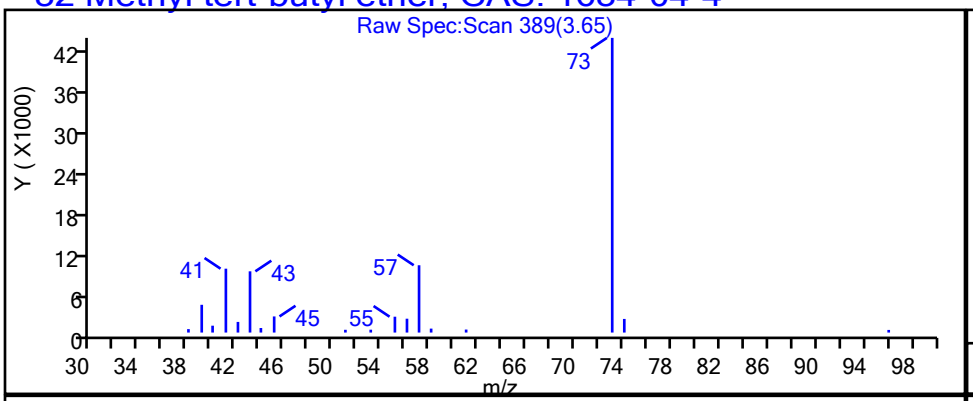


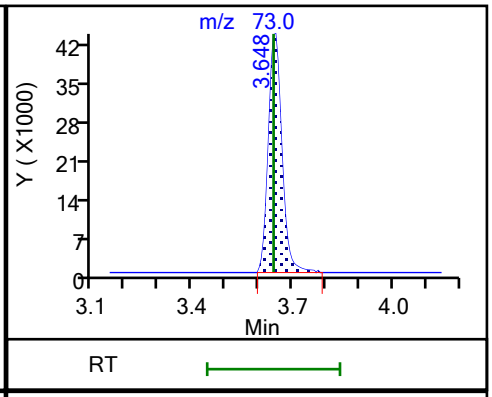
Report Date: 09-Nov-2020 14:45:50 Chrom Revision: 2.3 14-Oct-2020 14:51:38

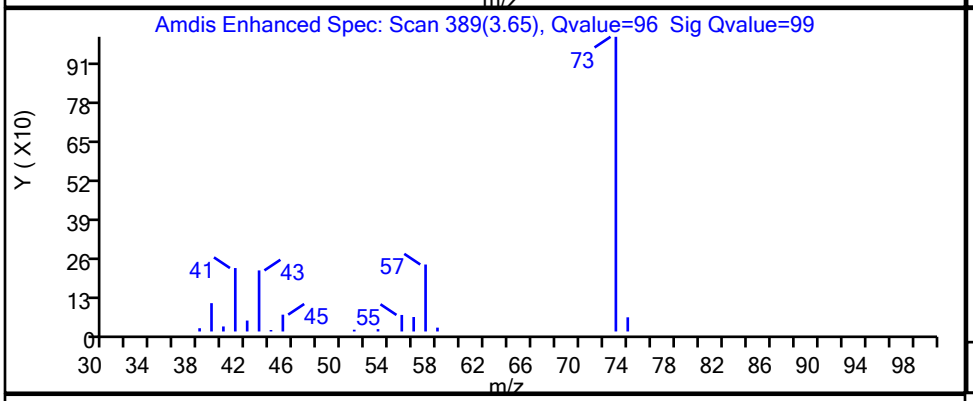
Eurofins TestAmerica, Buffalo

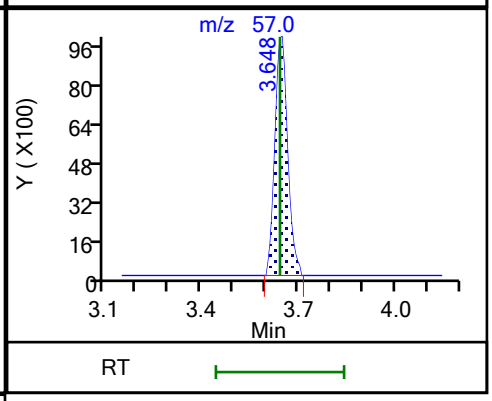
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38288.D				
Injection Date:	09-Nov-2020 13:18:30	Instrument ID:	HP5975D		
Lims ID:	480-177779-B-1	Lab Sample ID:	480-177779-1		
Client ID:	RW-1				
Operator ID:	WD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

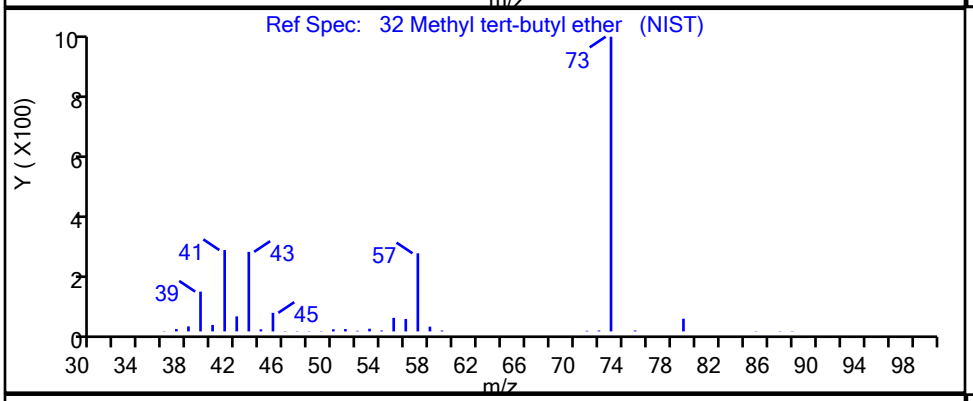
32 Methyl tert-butyl ether, CAS: 1634-04-4

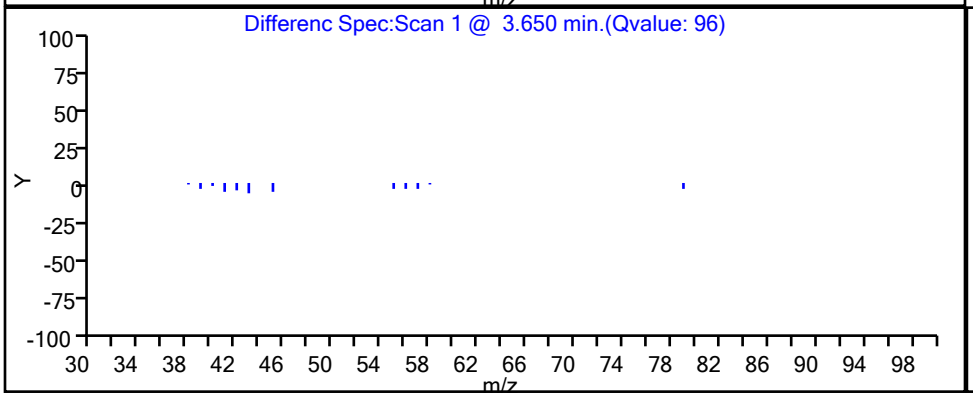


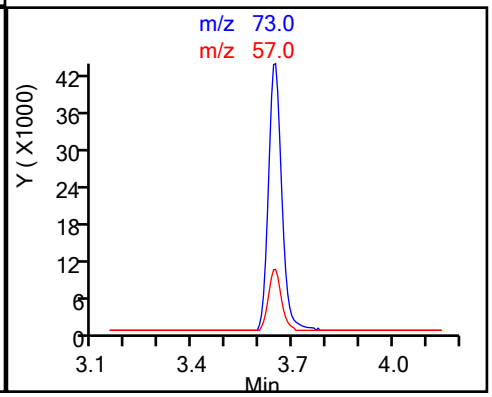












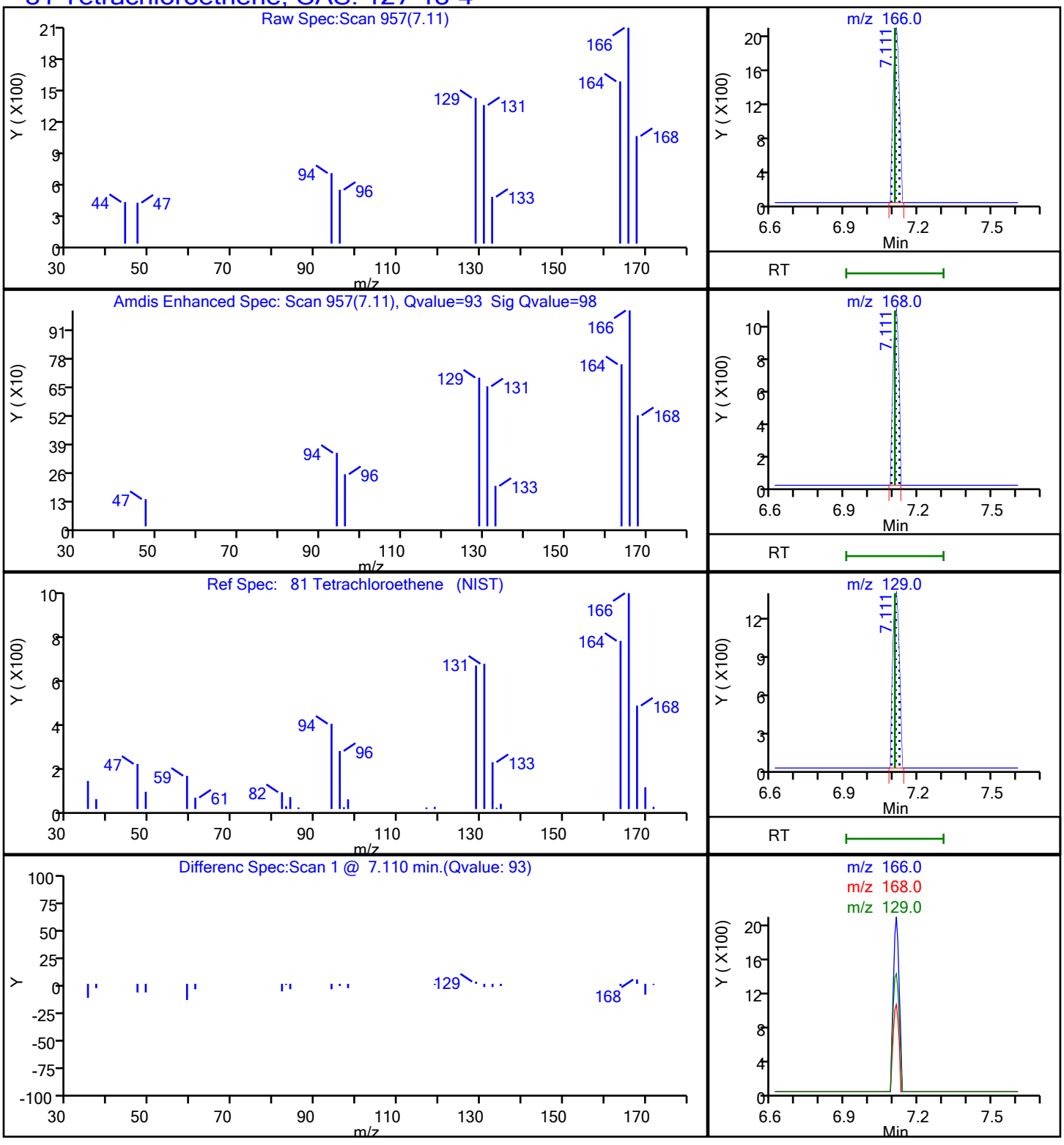
Report Date: 09-Nov-2020 14:45:50 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38288.D

Injection Date:	09-Nov-2020 13:18:30	Instrument ID:	HP5975D		
Lims ID:	480-177779-B-1	Lab Sample ID:	480-177779-1		
Client ID:	RW-1				
Operator ID:	WD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4

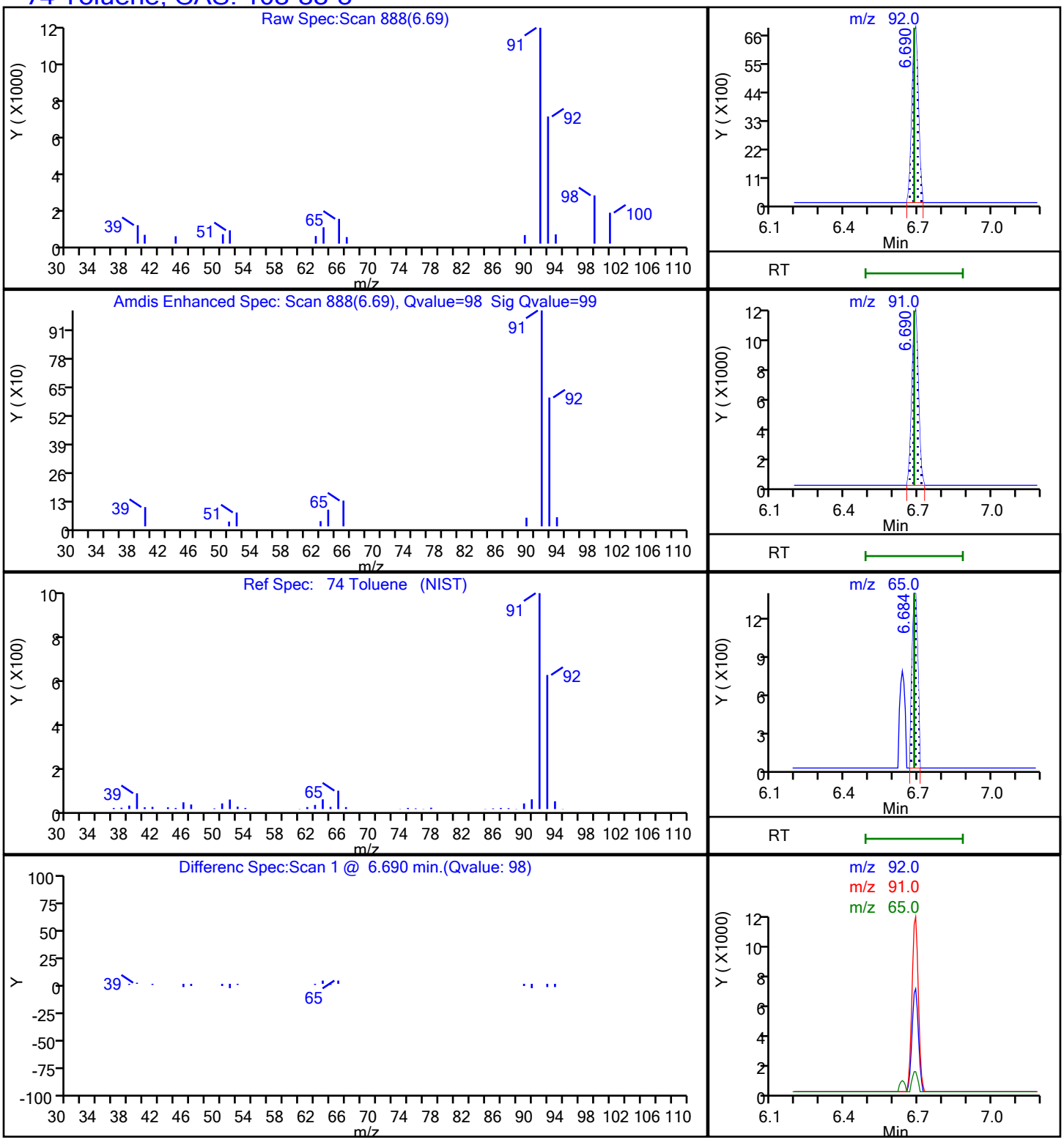


Report Date: 09-Nov-2020 14:45:50 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38288.D		
Injection Date:	09-Nov-2020 13:18:30	Instrument ID:	HP5975D
Lims ID:	480-177779-B-1	Lab Sample ID:	480-177779-1
Client ID:	RW-1		
Operator ID:	WD	ALS Bottle#:	9 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

74 Toluene, CAS: 108-88-3



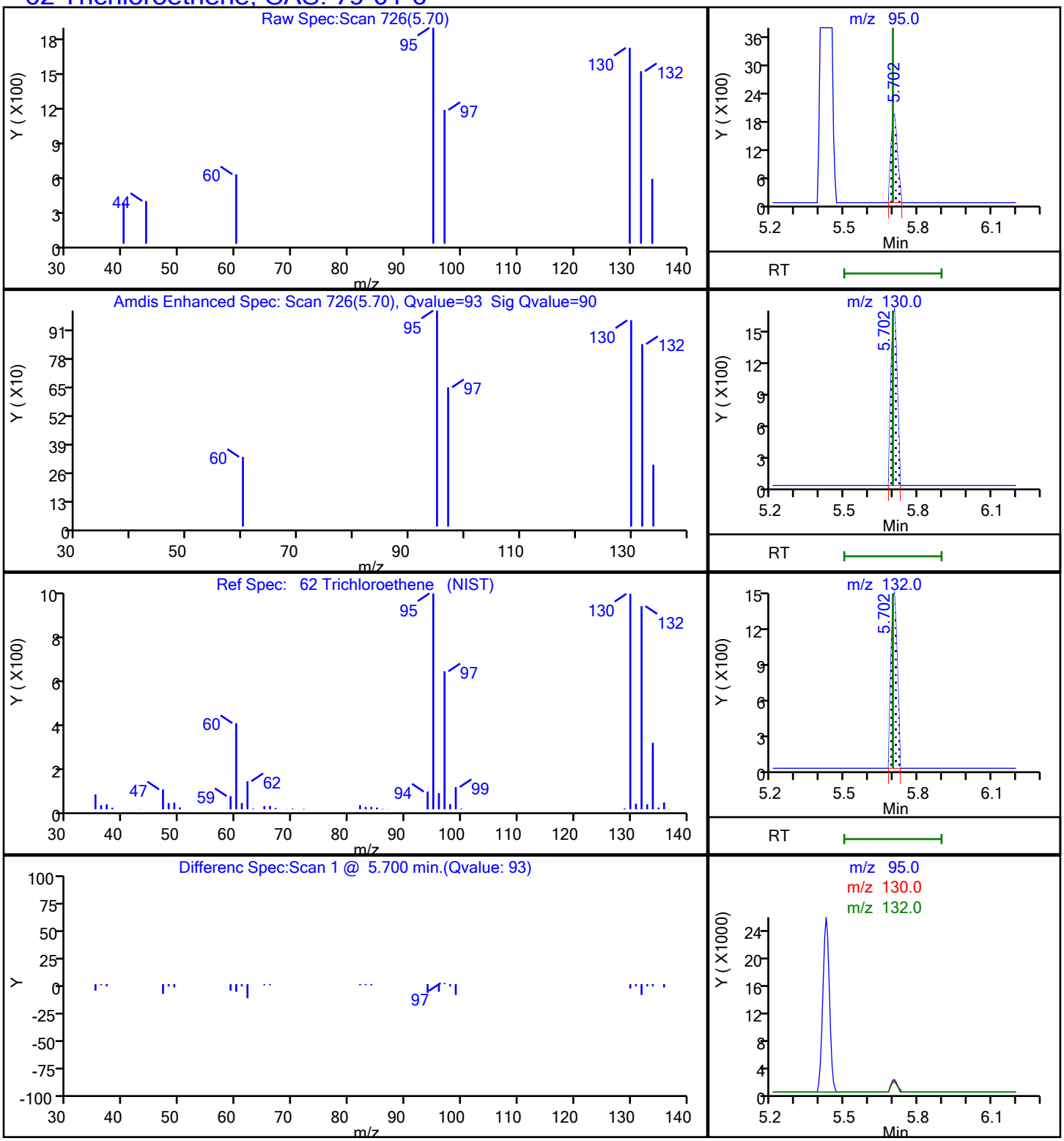
Report Date: 09-Nov-2020 14:45:50 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38288.D

Injection Date:	09-Nov-2020 13:18:30	Instrument ID:	HP5975D
Lims ID:	480-177779-B-1	Lab Sample ID:	480-177779-1
Client ID:	RW-1		
Operator ID:	WD	ALS Bottle#:	9 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6



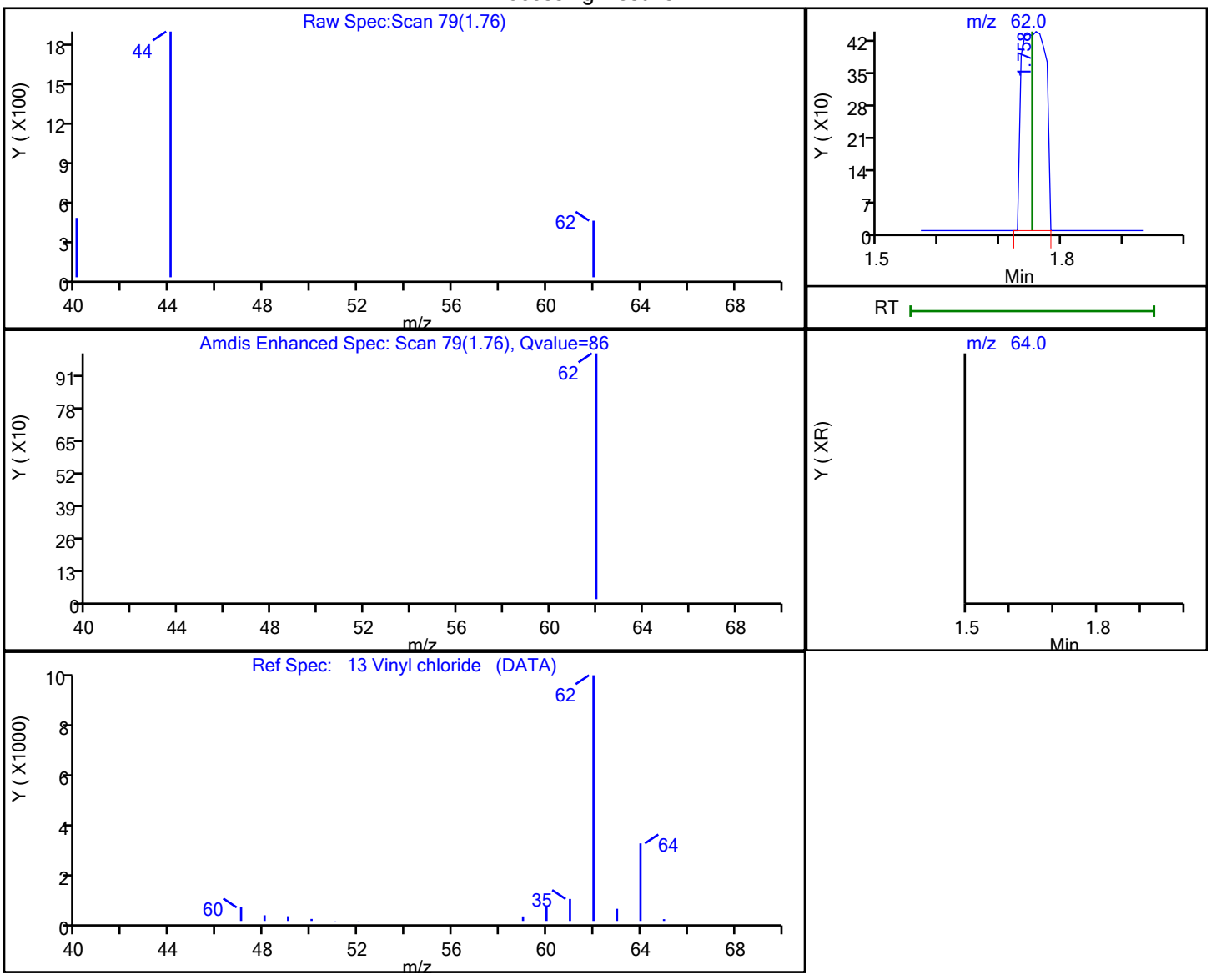
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38288.D				
Injection Date:	09-Nov-2020 13:18:30	Instrument ID:	HP5975D		
Lims ID:	480-177779-B-1	Lab Sample ID:	480-177779-1		
Client ID:	RW-1				
Operator ID:	WD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.76	62.00	1198	0.150301
1.75	64.00	0	

Reviewer: dahnw, 09-Nov-2020 14:45:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: RW-2 Lab Sample ID: 480-177779-2

Matrix: Water Lab File ID: L3952.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:10

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 12:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.35	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	3.6		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: RW-2 Lab Sample ID: 480-177779-2

Matrix: Water Lab File ID: L3952.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:10

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 12:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	37		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	3.4		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	2.8		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3952.D
Lims ID: 480-177779-A-2
Client ID: RW-2
Sample Type: Client
Inject. Date: 08-Nov-2020 12:54:57 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177779-A-2
Misc. Info.: 480-0094792-011
Operator ID: OI Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Nov-2020 09:21:51 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: dahnw Date: 09-Nov-2020 09:21:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	192589	25.0	
* 2 Chlorobenzene-d5	117	9.446	9.446	0.000	88	867552	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.735	11.736	-0.001	96	458312	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.912	5.913	-0.001	93	279659	24.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.231	0.000	98	318973	26.4	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	94	1002860	23.3	
$ 7 4-Bromofluorobenzene (Surr)	174	10.652	10.652	0.000	99	323042	23.0	
10 Dichlorodifluoromethane	85		2.170				ND	
13 Chloromethane	50		2.437				ND	
14 Vinyl chloride	62	2.568	2.572	-0.004	97	39960	2.82	
18 Bromomethane	94		2.958				ND	
19 Chloroethane	64		3.061				ND	
21 Trichlorofluoromethane	101		3.312				ND	
29 112TCTFE	101		3.810				ND	
30 1,1-Dichloroethene	96		3.839				ND	
31 Acetone	43		3.935				ND	U
35 Carbon disulfide	76		4.083				ND	
38 Methyl acetate	43		4.209				ND	
39 Methylene Chloride	84		4.337				ND	7
41 Methyl tert-butyl ether	73		4.514				ND	
42 trans-1,2-Dichloroethene	96	4.562	4.559	0.003	97	2996	0.2426	
50 1,1-Dichloroethane	63		4.961				ND	
57 2-Butanone (MEK)	43		5.482				ND	
58 cis-1,2-Dichloroethene	96	5.485	5.482	0.003	81	47732	3.58	
62 Chloroform	83	5.761	5.758	0.003	93	7631	0.3483	
64 1,1,1-Trichloroethane	97		5.903				ND	
65 Cyclohexane	56		5.922				ND	
66 Carbon tetrachloride	117		6.038				ND	
70 Benzene	78		6.247				ND	
72 1,2-Dichloroethane	62		6.299				ND	
75 Trichloroethene	95	6.813	6.813	0.000	97	43660	3.45	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83		6.945				ND	
77 1,2-Dichloropropane	63		7.057				ND	
83 Dichlorobromomethane	83		7.318				ND	
85 cis-1,3-Dichloropropene	75		7.717				ND	
87 4-Methyl-2-pentanone (MIBK)	43		7.819				ND	
88 Toluene	92		8.016				ND	
91 trans-1,3-Dichloropropene	75		8.257				ND	
93 1,1,2-Trichloroethane	83		8.463				ND	
94 Tetrachloroethene	166	8.552	8.553	-0.001	95	541790	36.5	
96 2-Hexanone	43		8.643				ND	
98 Chlorodibromomethane	129		8.887				ND	
101 Ethylene Dibromide	107		9.022				ND	
103 Chlorobenzene	112		9.475				ND	
104 Ethylbenzene	91		9.533				ND	
106 m-Xylene & p-Xylene	106		9.649				ND	
107 o-Xylene	106		10.086				ND	
109 Styrene	104		10.112				ND	
110 Bromoform	173		10.392				ND	
111 Isopropylbenzene	105		10.437				ND	
112 1,1,2,2-Tetrachloroethane	83		10.813				ND	
124 1,3-Dichlorobenzene	146		11.678				ND	
126 1,4-Dichlorobenzene	146		11.758				ND	
128 1,2-Dichlorobenzene	146		12.099				ND	
129 1,2-Dibromo-3-Chloropropane	75		12.774				ND	
130 1,2,4-Trichlorobenzene	180		13.443				ND	
S 143 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent

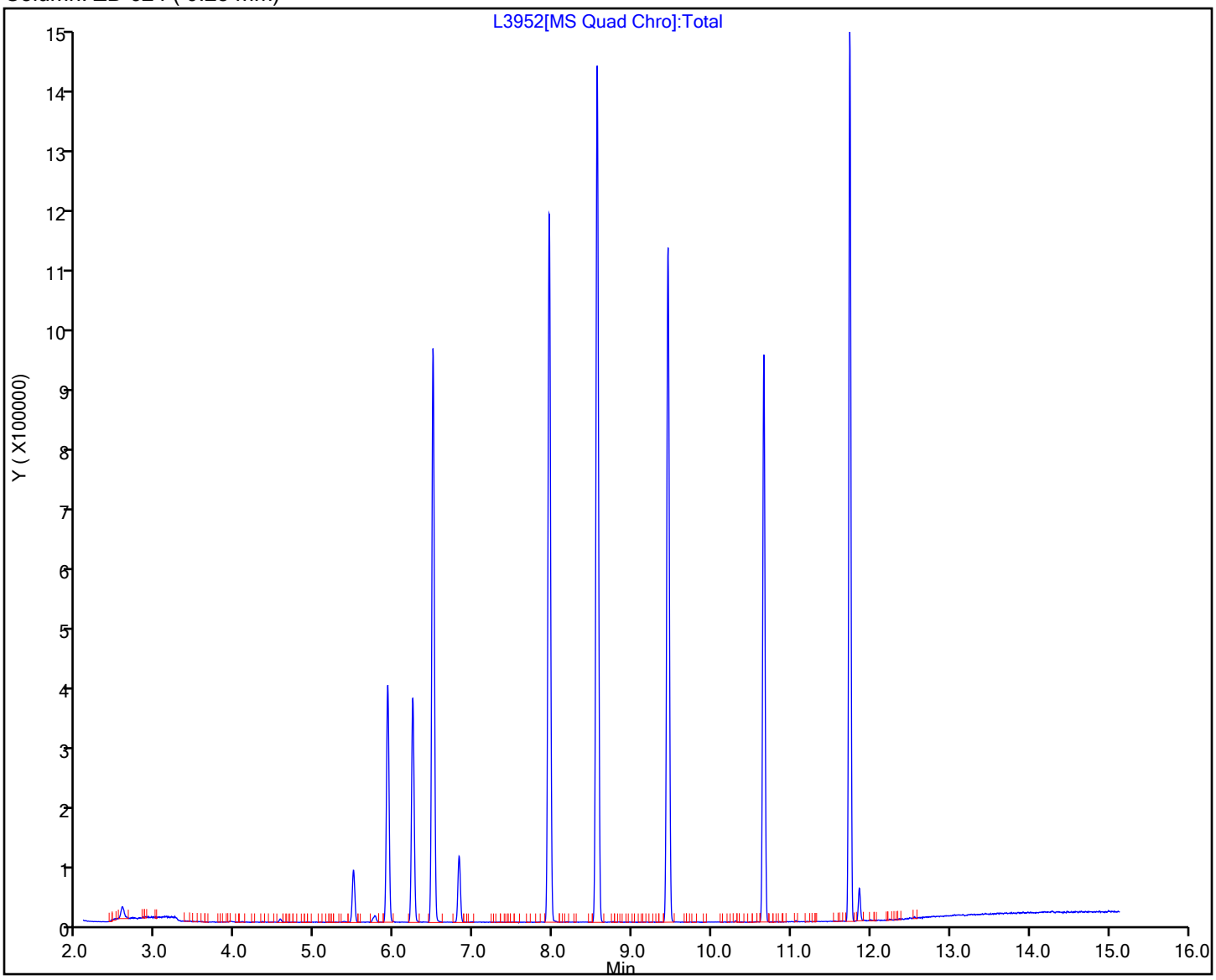
Report Date: 09-Nov-2020 09:21:51 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3952.D

Injection Date:	08-Nov-2020 12:54:57	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-2	Lab Sample ID:	480-177779-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



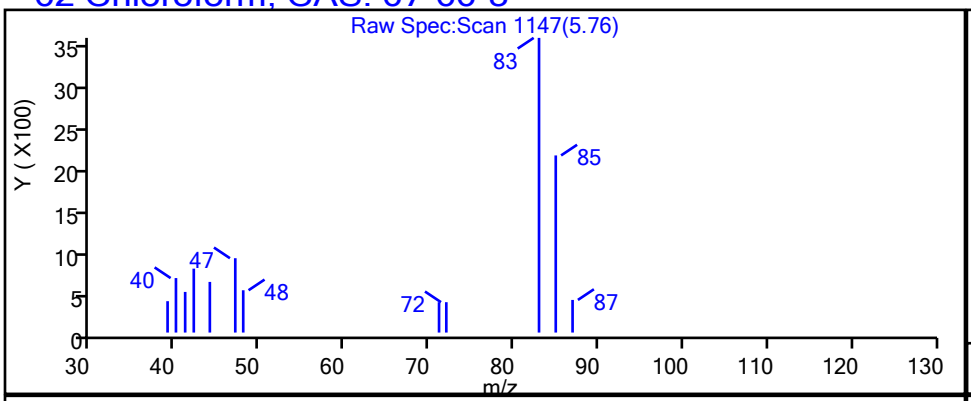
Report Date: 09-Nov-2020 09:21:51 Chrom Revision: 2.3 14-Oct-2020 14:51:38

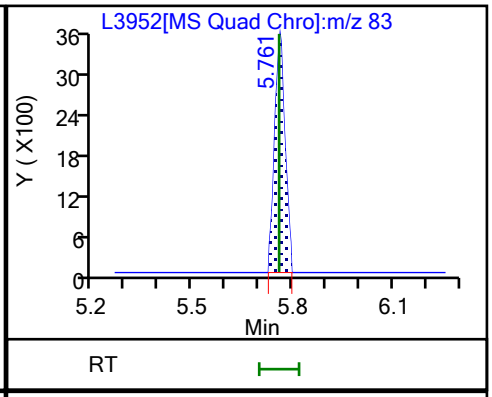
Eurofins TestAmerica, Buffalo

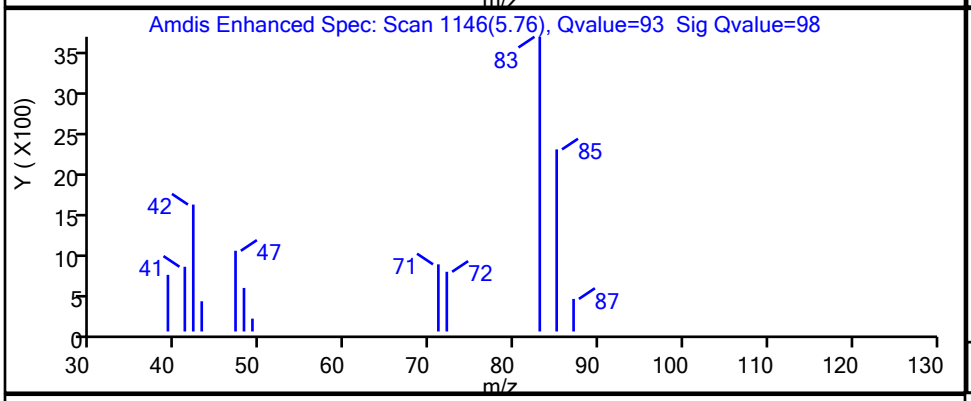
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3952.D

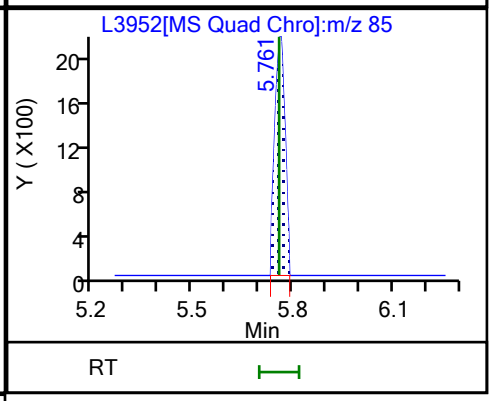
Injection Date:	08-Nov-2020 12:54:57	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-2	Lab Sample ID:	480-177779-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

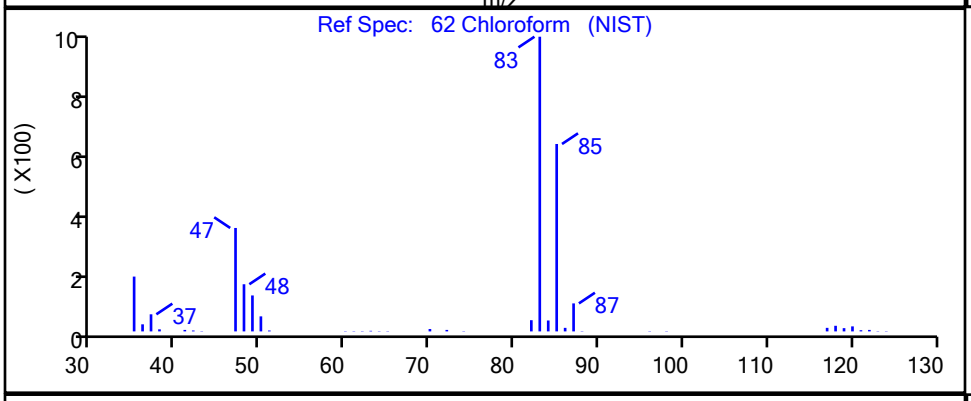
62 Chloroform, CAS: 67-66-3

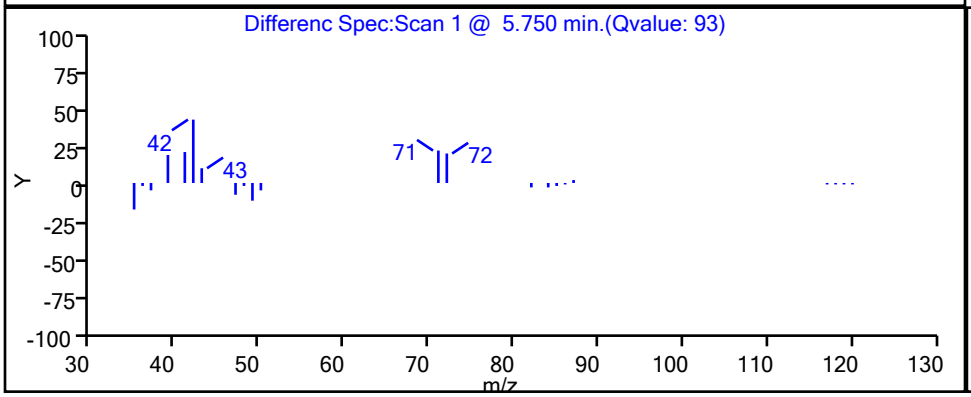


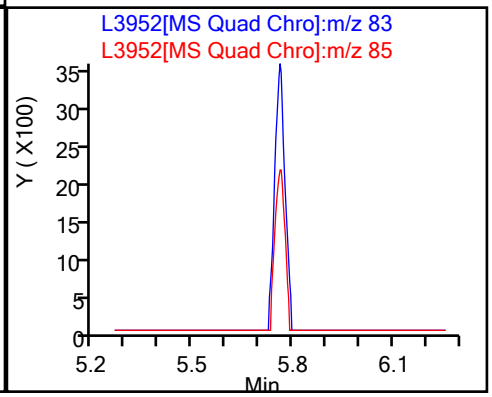












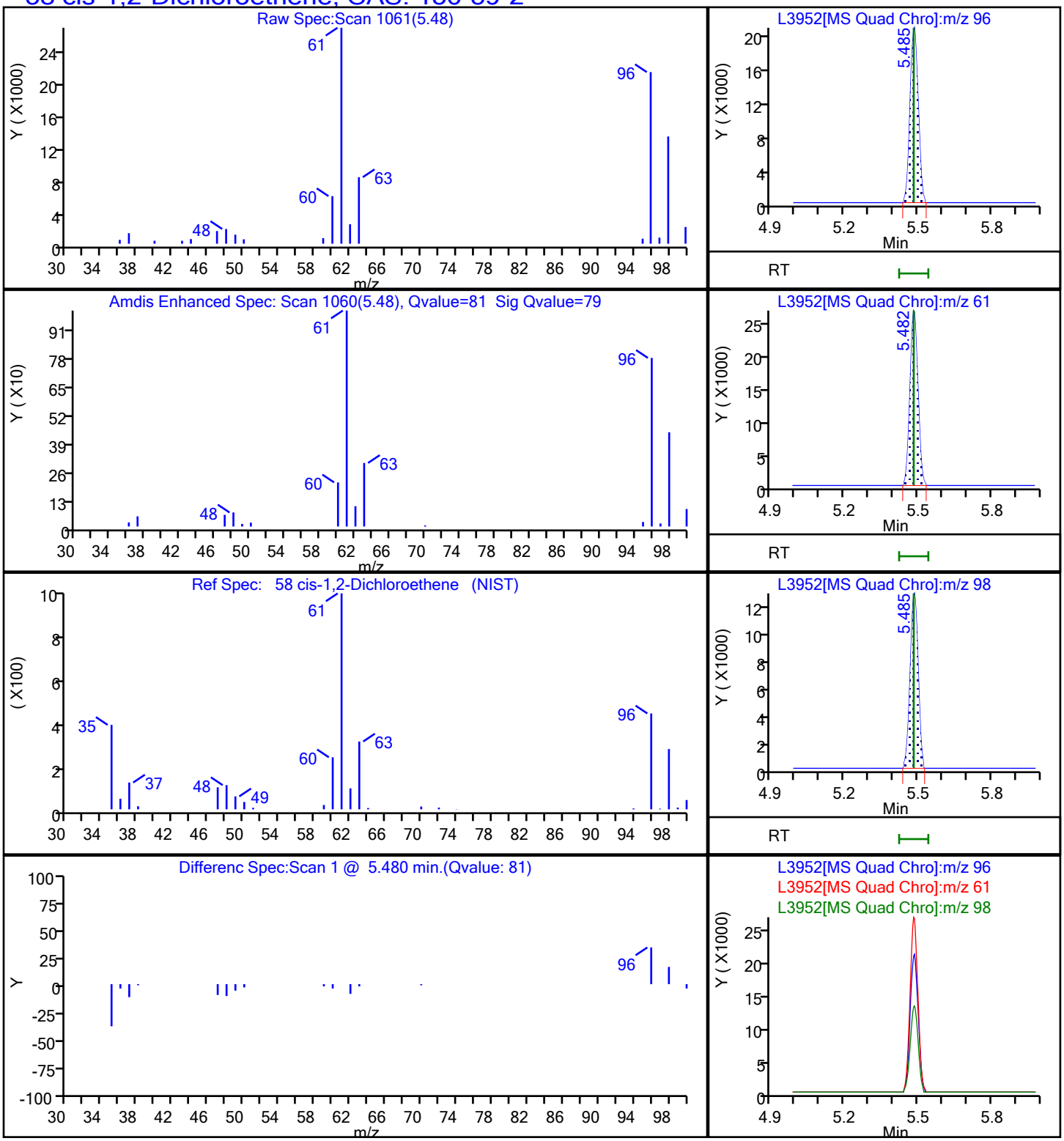
Report Date: 09-Nov-2020 09:21:51 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3952.D

Injection Date:	08-Nov-2020 12:54:57	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-2	Lab Sample ID:	480-177779-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

58 cis-1,2-Dichloroethene, CAS: 156-59-2



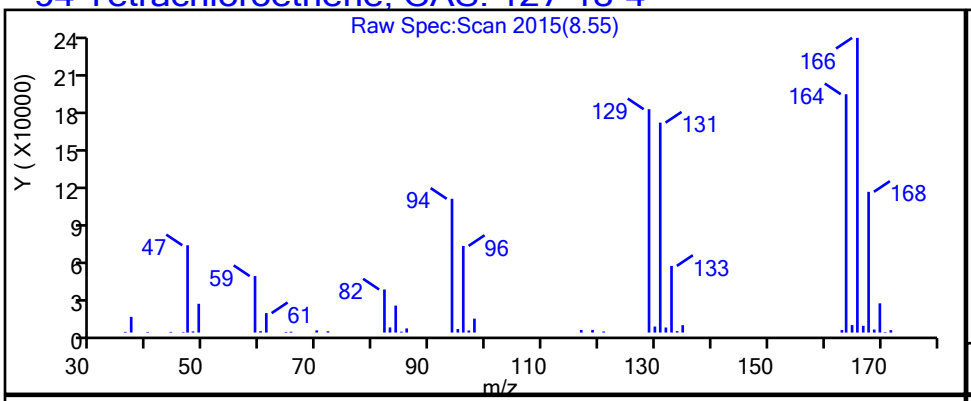
Report Date: 09-Nov-2020 09:21:51 Chrom Revision: 2.3 14-Oct-2020 14:51:38

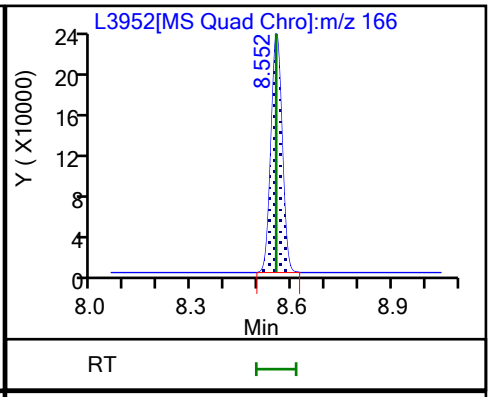
Eurofins TestAmerica, Buffalo

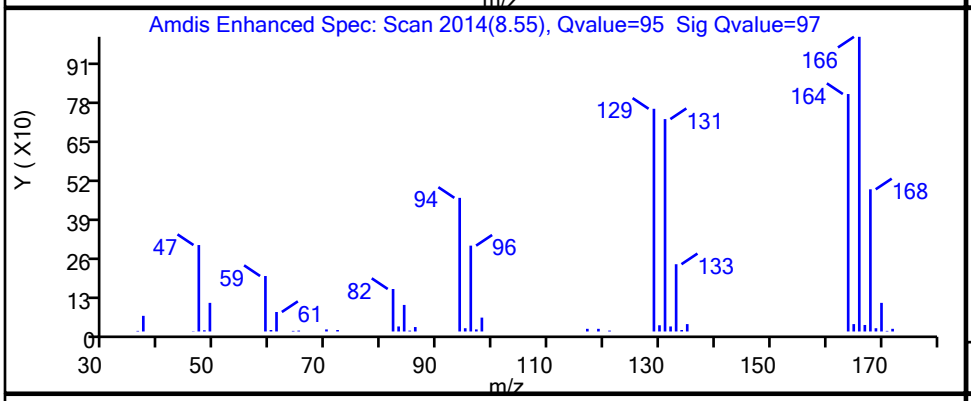
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3952.D

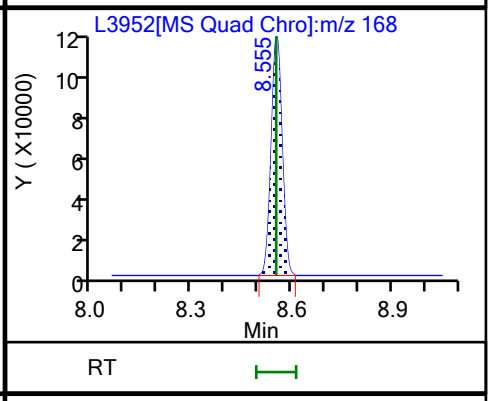
Injection Date:	08-Nov-2020 12:54:57	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-2	Lab Sample ID:	480-177779-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

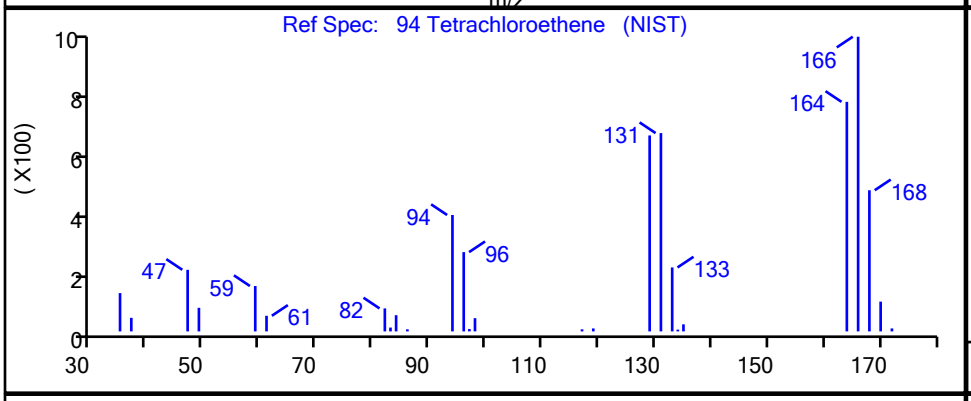
94 Tetrachloroethene, CAS: 127-18-4

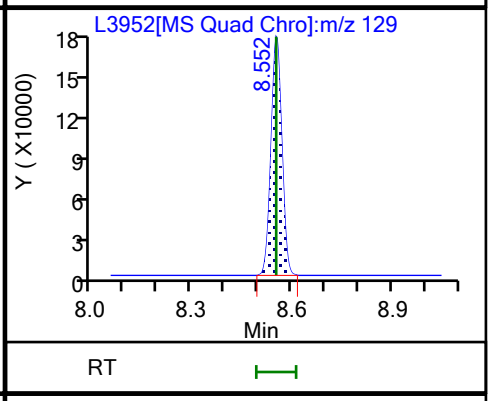


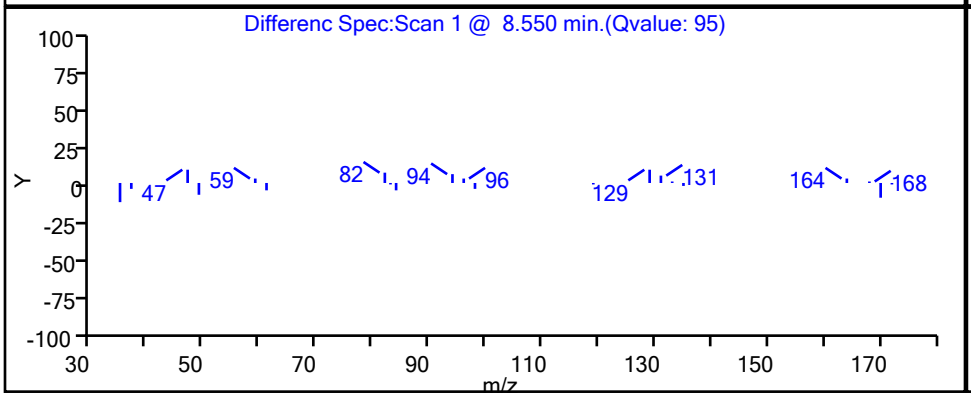


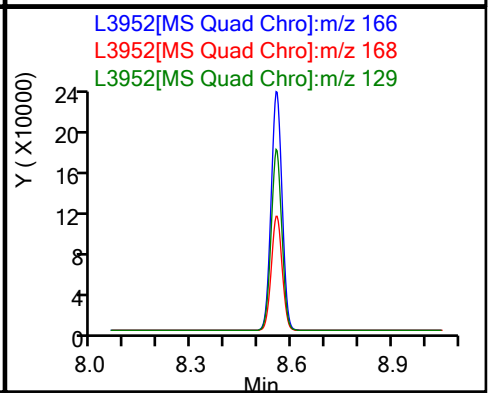












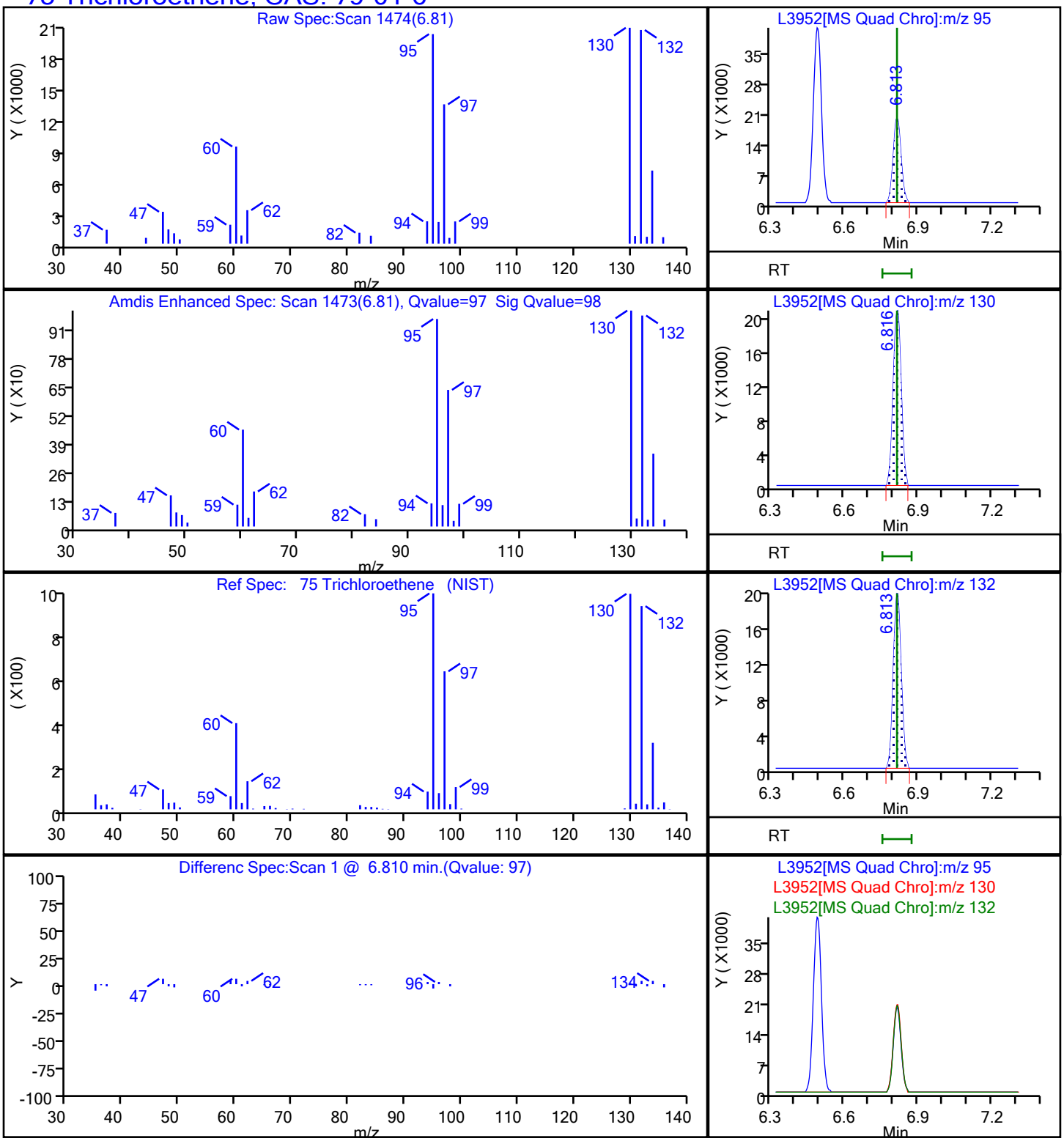
Report Date: 09-Nov-2020 09:21:51 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3952.D

Injection Date:	08-Nov-2020 12:54:57	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-2	Lab Sample ID:	480-177779-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

75 Trichloroethene, CAS: 79-01-6



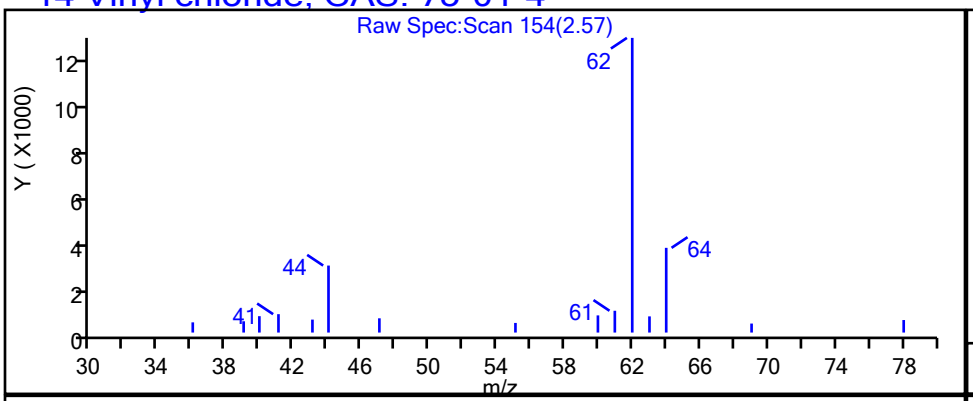
Report Date: 09-Nov-2020 09:21:51 Chrom Revision: 2.3 14-Oct-2020 14:51:38

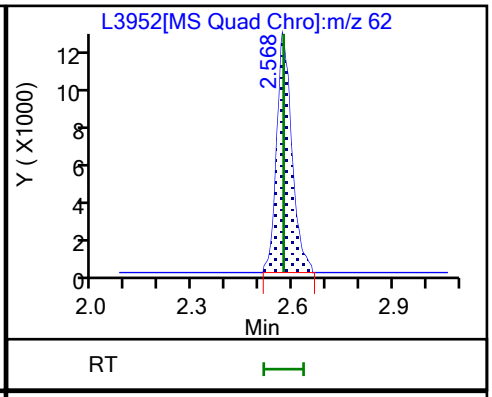
Eurofins TestAmerica, Buffalo

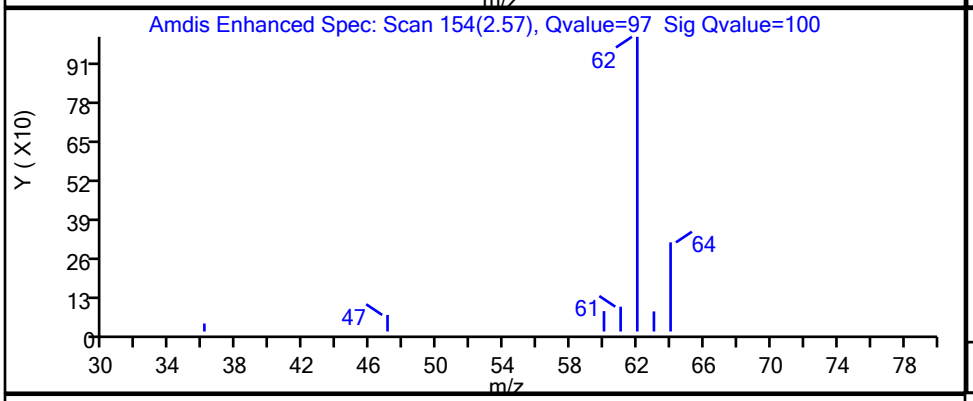
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3952.D

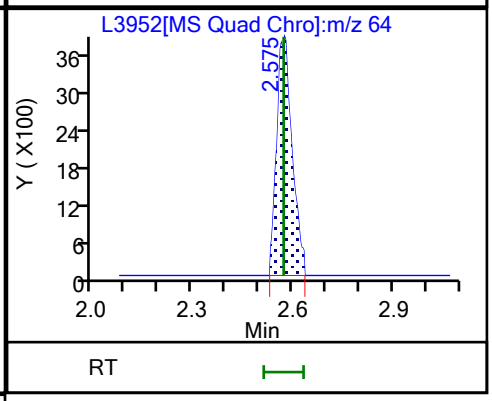
Injection Date:	08-Nov-2020 12:54:57	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-2	Lab Sample ID:	480-177779-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

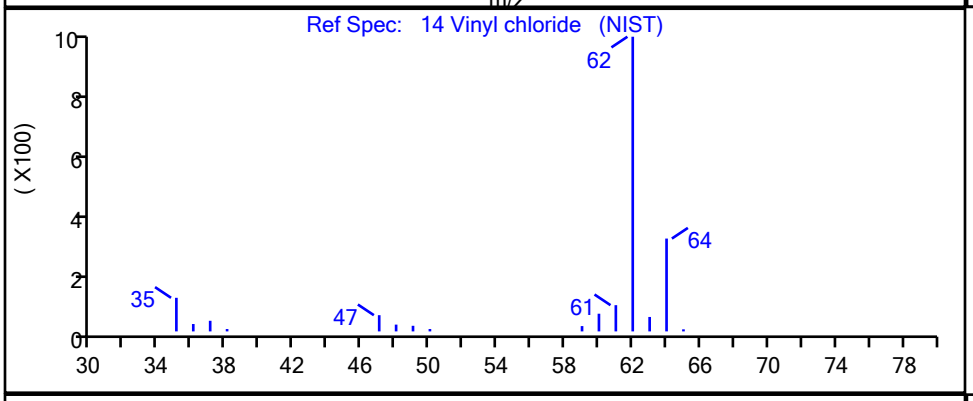
14 Vinyl chloride, CAS: 75-01-4

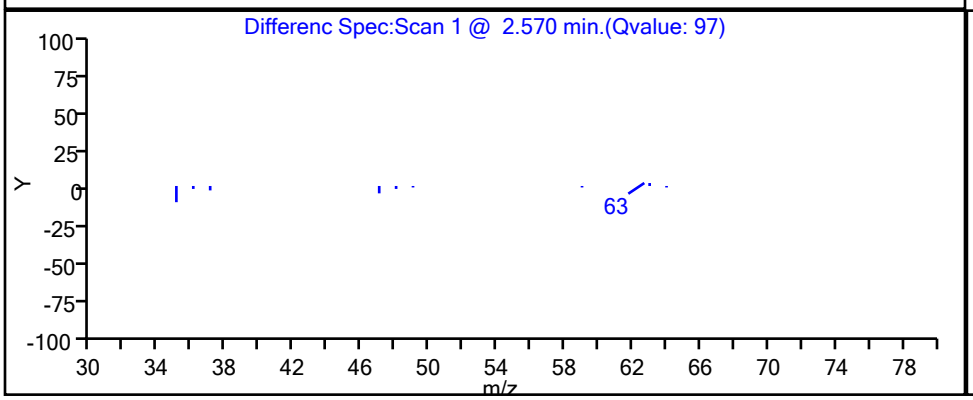


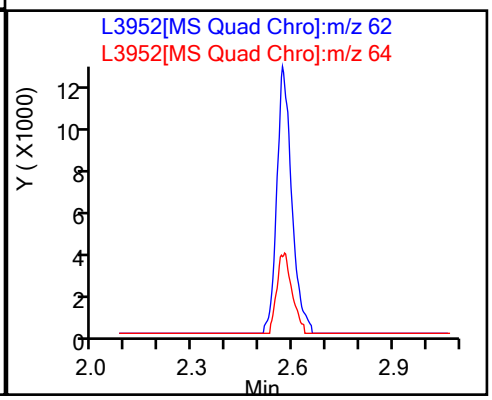












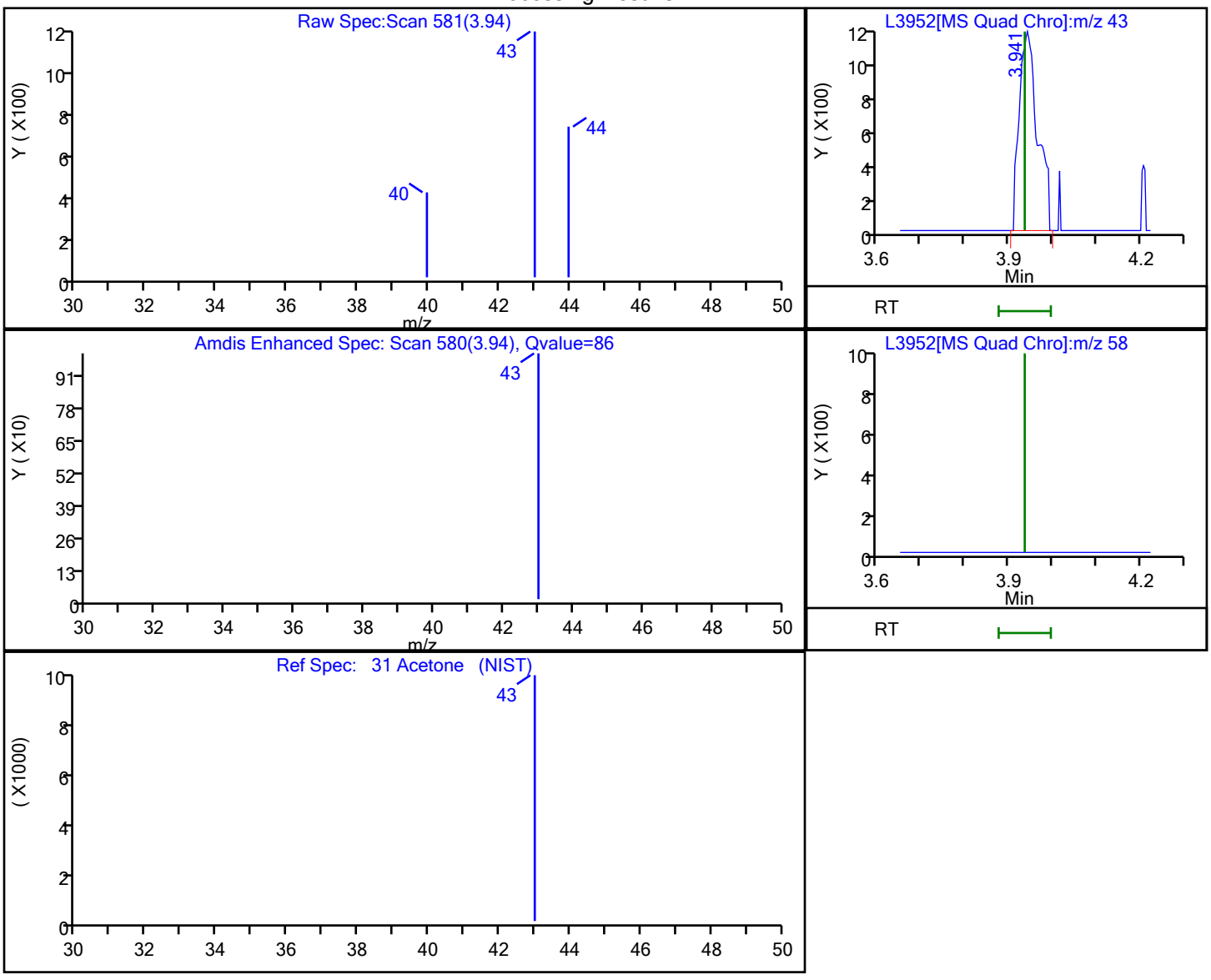
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3952.D				
Injection Date:	08-Nov-2020 12:54:57	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-2	Lab Sample ID:	480-177779-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

31 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.94	43.00	3451	0.893875
3.94	58.00	0	

Reviewer: dahnw, 09-Nov-2020 09:21:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: RW-3 Lab Sample ID: 480-177779-3

Matrix: Water Lab File ID: L3953.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:15

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 13:19

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	5.7		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: RW-3 Lab Sample ID: 480-177779-3

Matrix: Water Lab File ID: L3953.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:15

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 13:19

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	170	F1	4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	2.6	J	4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3953.D
Lims ID: 480-177779-A-3
Client ID: RW-3
Sample Type: Client
Inject. Date: 08-Nov-2020 13:19:45 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-177779-A-3
Misc. Info.: 480-0094792-012
Operator ID: OI Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Nov-2020 09:22:50 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: dahnw Date: 09-Nov-2020 09:23:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	190298	25.0	
* 2 Chlorobenzene-d5	117	9.446	9.446	0.000	86	848959	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	96	437370	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	92	276987	24.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.231	0.000	98	317185	26.6	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	94	1006234	23.9	
$ 7 4-Bromofluorobenzene (Surr)	174	10.652	10.652	0.000	98	318216	23.2	
10 Dichlorodifluoromethane	85		2.170				ND	
13 Chloromethane	50		2.437				ND	
14 Vinyl chloride	62		2.572				ND	
18 Bromomethane	94		2.958				ND	
19 Chloroethane	64		3.061				ND	
21 Trichlorofluoromethane	101		3.312				ND	
29 112TCTFE	101		3.810				ND	
30 1,1-Dichloroethene	96		3.839				ND	
31 Acetone	43		3.935				ND	U
35 Carbon disulfide	76		4.083				ND	
38 Methyl acetate	43		4.209				ND	
39 Methylene Chloride	84		4.337				ND	7
41 Methyl tert-butyl ether	73		4.514				ND	
42 trans-1,2-Dichloroethene	96		4.559				ND	
50 1,1-Dichloroethane	63		4.961				ND	
57 2-Butanone (MEK)	43		5.482				ND	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	77	18593	1.41	
62 Chloroform	83	5.765	5.758	0.007	88	3150	0.1455	
64 1,1,1-Trichloroethane	97		5.903				ND	
65 Cyclohexane	56		5.922				ND	
66 Carbon tetrachloride	117		6.038				ND	
70 Benzene	78		6.247				ND	
72 1,2-Dichloroethane	62		6.299				ND	
75 Trichloroethene	95	6.810	6.813	-0.003	95	8247	0.6587	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83		6.945				ND	
77 1,2-Dichloropropane	63		7.057				ND	
83 Dichlorobromomethane	83		7.318				ND	
85 cis-1,3-Dichloropropene	75		7.717				ND	
87 4-Methyl-2-pentanone (MIBK)	43		7.819				ND	
88 Toluene	92		8.016				ND	
91 trans-1,3-Dichloropropene	75		8.257				ND	
93 1,1,2-Trichloroethane	83		8.463				ND	
94 Tetrachloroethene	166	8.553	8.553	0.000	96	633980	43.7	
96 2-Hexanone	43		8.643				ND	
98 Chlorodibromomethane	129		8.887				ND	
101 Ethylene Dibromide	107		9.022				ND	
103 Chlorobenzene	112		9.475				ND	
104 Ethylbenzene	91		9.533				ND	
106 m-Xylene & p-Xylene	106		9.649				ND	
107 o-Xylene	106		10.086				ND	
109 Styrene	104		10.112				ND	
110 Bromoform	173		10.392				ND	
111 Isopropylbenzene	105		10.437				ND	
112 1,1,2,2-Tetrachloroethane	83		10.813				ND	
124 1,3-Dichlorobenzene	146		11.678				ND	
126 1,4-Dichlorobenzene	146		11.758				ND	
128 1,2-Dichlorobenzene	146		12.099				ND	
129 1,2-Dibromo-3-Chloropropane	75		12.774				ND	
130 1,2,4-Trichlorobenzene	180		13.443				ND	
S 143 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent

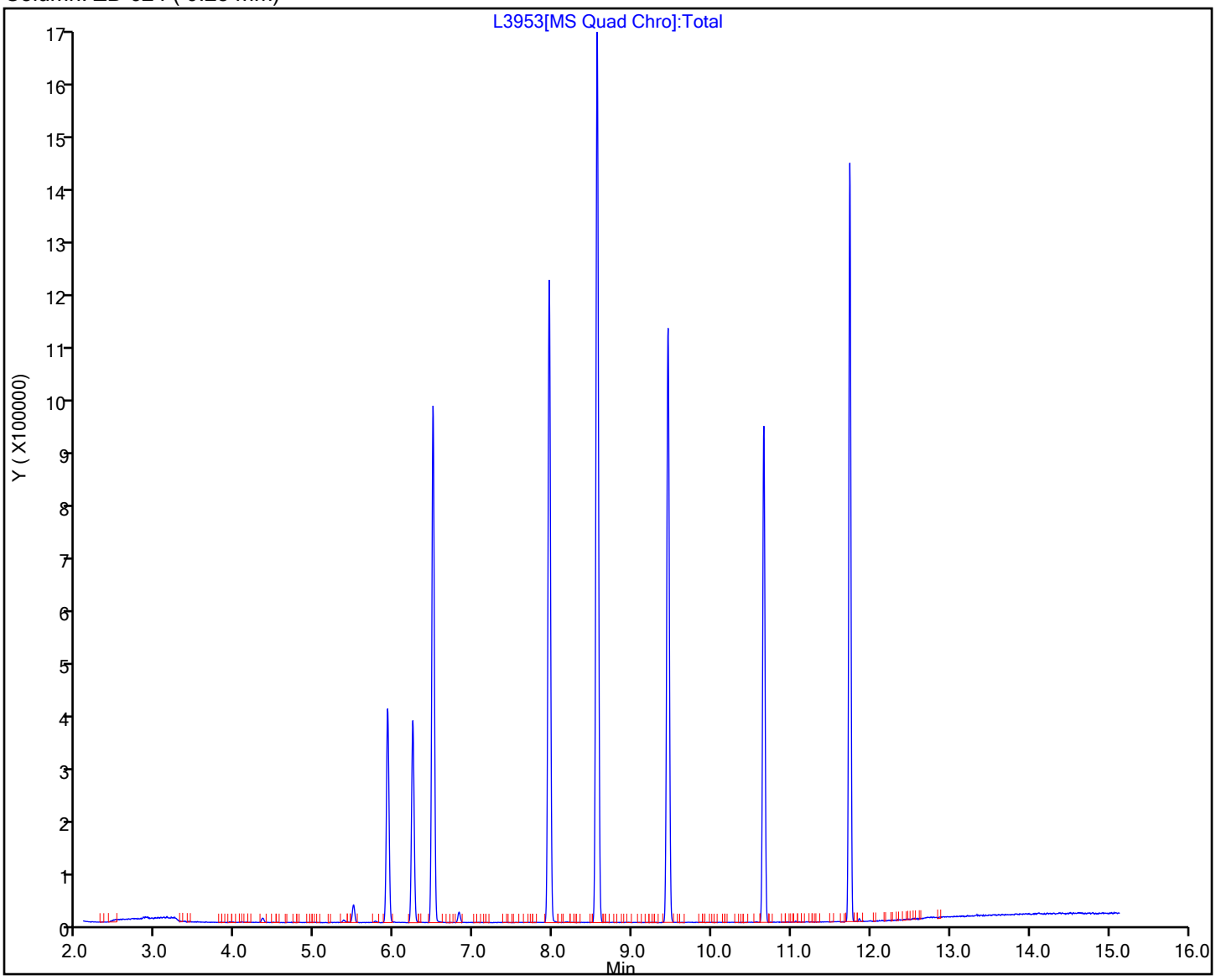
Report Date: 09-Nov-2020 09:23:09 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3953.D

Injection Date:	08-Nov-2020 13:19:45	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-3	Lab Sample ID:	480-177779-3		
Client ID:	RW-3				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



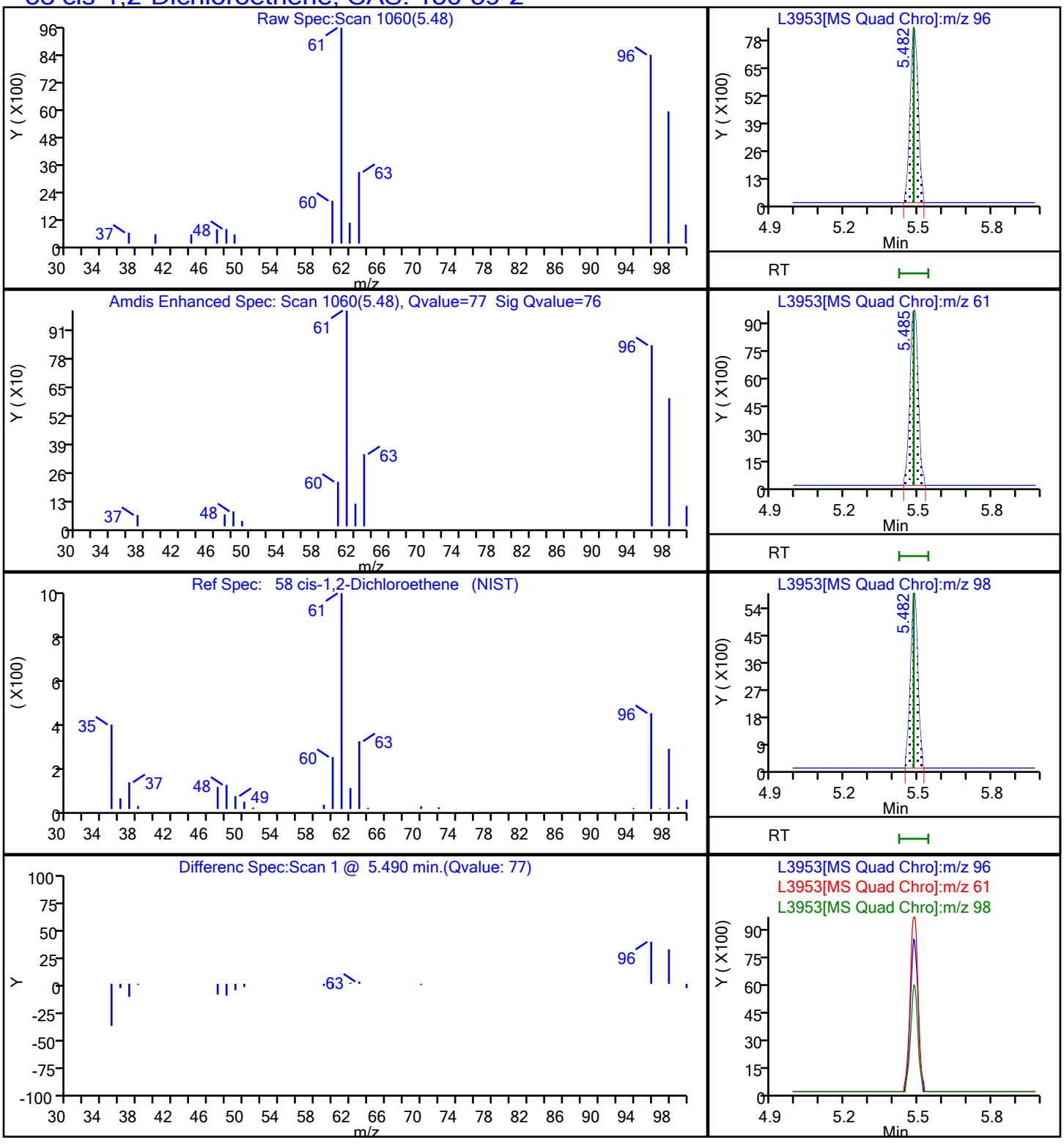
Report Date: 09-Nov-2020 09:23:09 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3953.D

Injection Date:	08-Nov-2020 13:19:45	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-3	Lab Sample ID:	480-177779-3		
Client ID:	RW-3				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

58 cis-1,2-Dichloroethene, CAS: 156-59-2



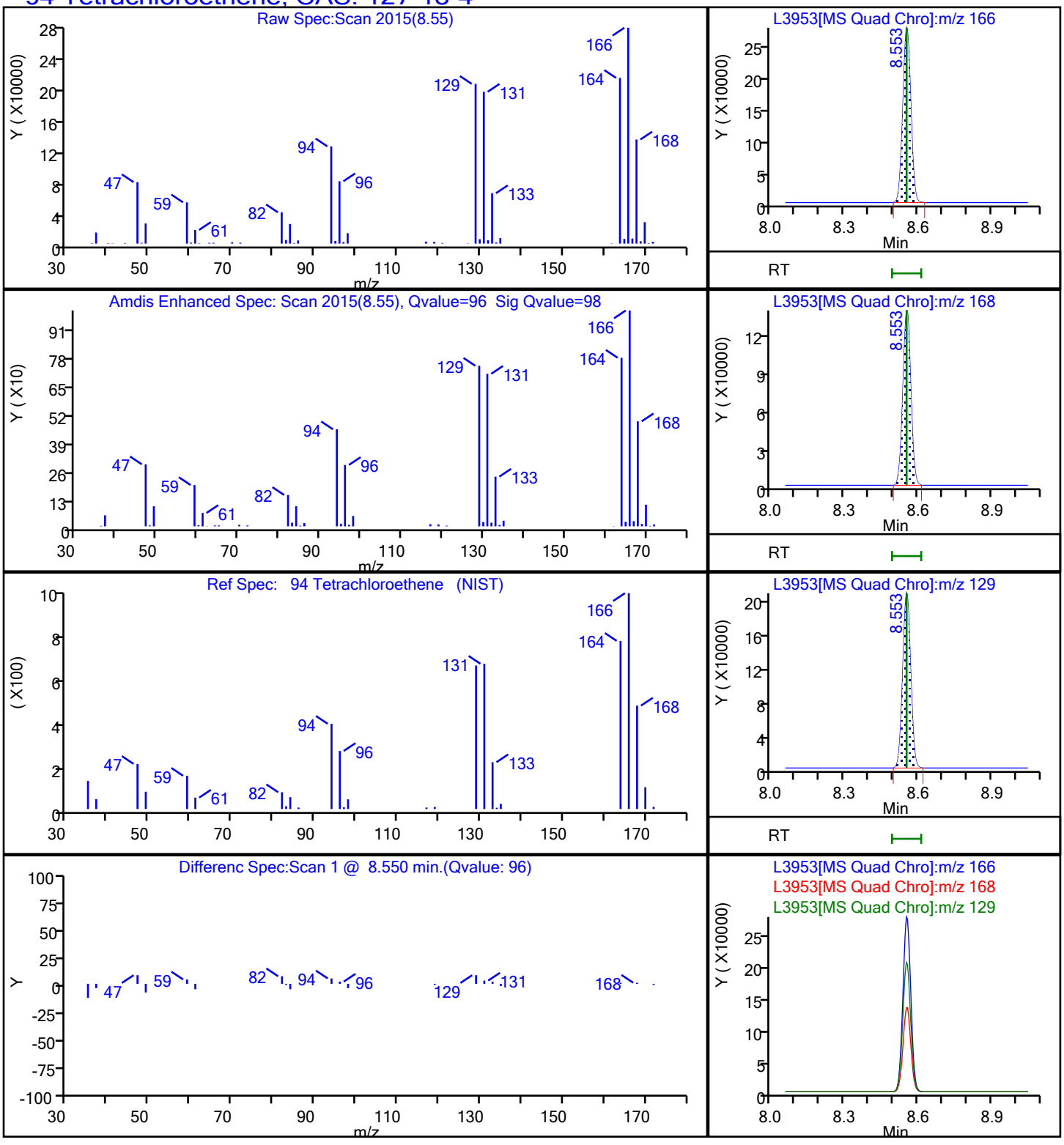
Report Date: 09-Nov-2020 09:23:09 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3953.D

Injection Date:	08-Nov-2020 13:19:45	Instrument ID:	HP5977L
Lims ID:	480-177779-A-3	Lab Sample ID:	480-177779-3
Client ID:	RW-3		
Operator ID:	OI	ALS Bottle#:	0 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	L-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS Quad

94 Tetrachloroethene, CAS: 127-18-4



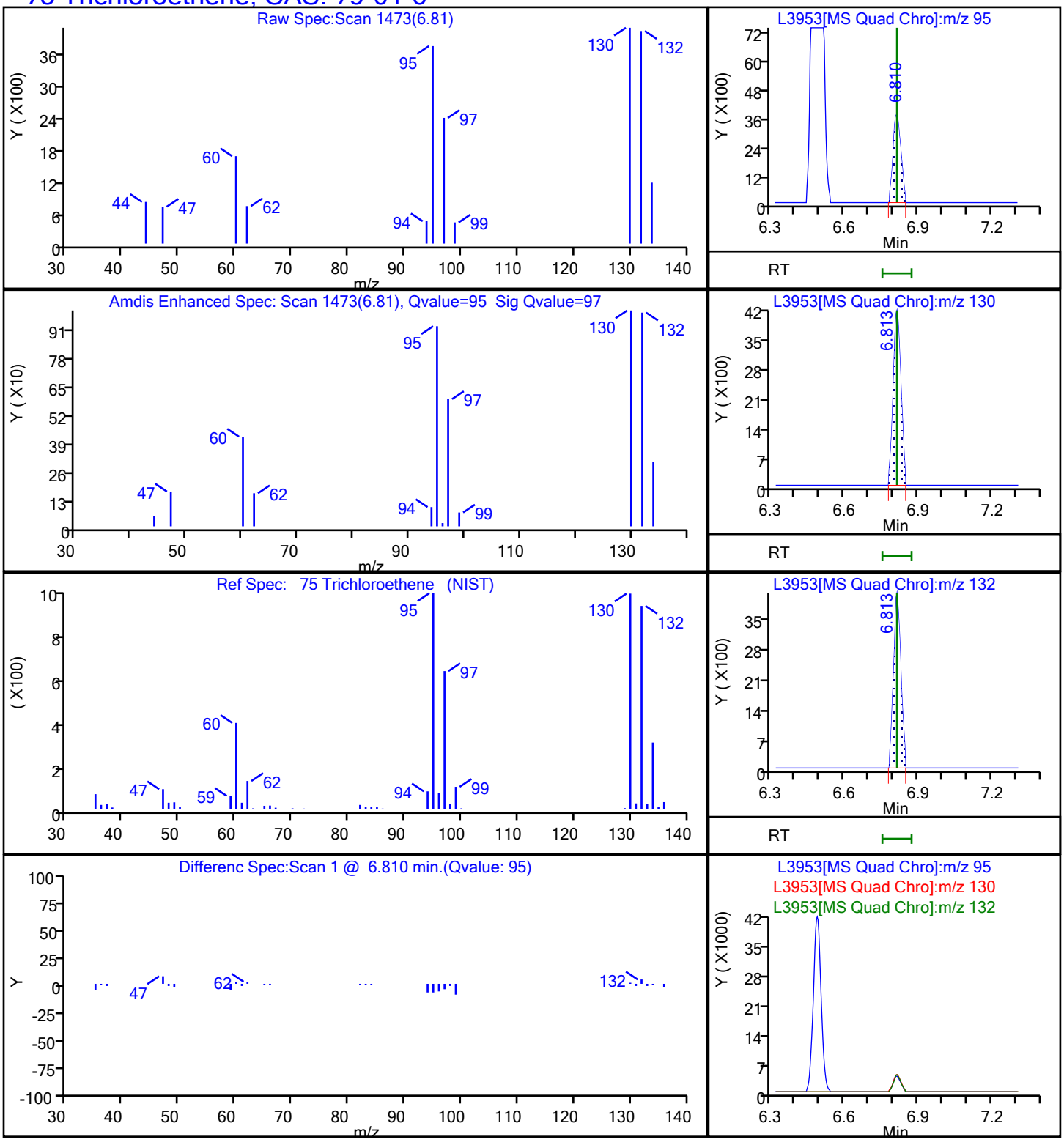
Report Date: 09-Nov-2020 09:23:09 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3953.D

Injection Date:	08-Nov-2020 13:19:45	Instrument ID:	HP5977L
Lims ID:	480-177779-A-3	Lab Sample ID:	480-177779-3
Client ID:	RW-3		
Operator ID:	OI	ALS Bottle#:	0 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	L-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS Quad

75 Trichloroethene, CAS: 79-01-6



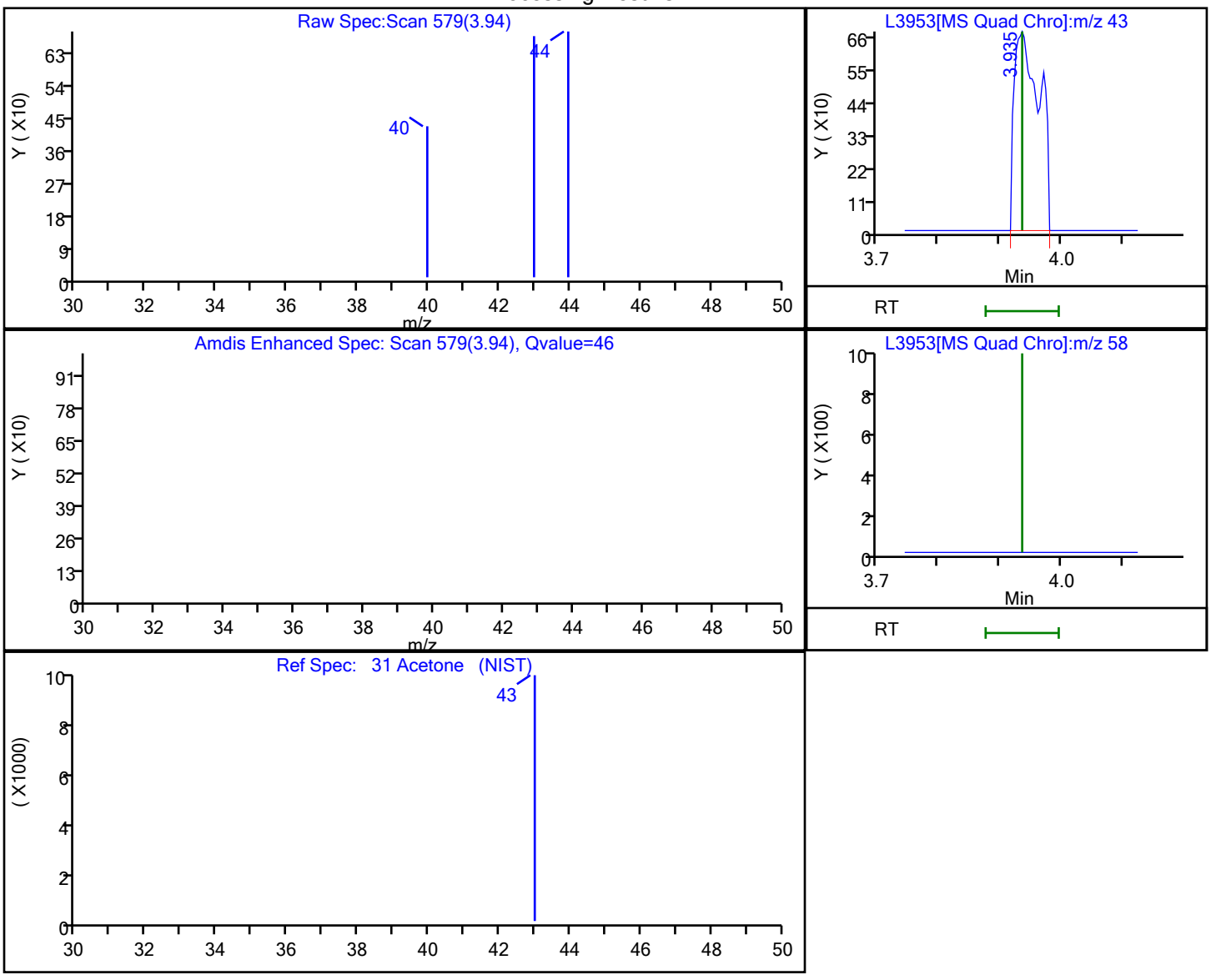
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3953.D				
Injection Date:	08-Nov-2020 13:19:45	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-3	Lab Sample ID:	480-177779-3		
Client ID:	RW-3				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

31 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.94	43.00	1917	0.502517
3.94	58.00	0	

Reviewer: dahnw, 09-Nov-2020 09:22:00

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-177779-4

Matrix: Water Lab File ID: D38289.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:20

Sample wt/vol: 5(mL) Date Analyzed: 11/09/2020 13:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 558106 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.3		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	2.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-177779-4

Matrix: Water Lab File ID: D38289.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:20

Sample wt/vol: 5(mL) Date Analyzed: 11/09/2020 13:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 558106 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	0.51	J	1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	57		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	2.2		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	1.2		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38289.D
Lims ID: 480-177779-B-4
Client ID: DUP
Sample Type: Client
Inject. Date: 09-Nov-2020 13:41:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177779-B-4
Misc. Info.: 480-0094814-010
Operator ID: WD Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Nov-2020 14:45:49 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: dahnw Date: 09-Nov-2020 14:46:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.422	5.422	0.000	99	106058	25.0	
* 2 Chlorobenzene-d5	82	7.806	7.799	0.007	85	232527	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.732	9.726	0.006	94	255896	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.934	4.934	0.000	94	156377	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.202	5.196	0.006	97	83001	22.3	
$ 5 Toluene-d8 (Surr)	98	6.635	6.640	0.000	93	530201	24.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.763	8.769	0.000	97	203337	26.6	
10 Dichlorodifluoromethane	85		1.441				ND	
12 Chloromethane	50		1.648				ND	
13 Vinyl chloride	62	1.758	1.752	0.006	95	9756	1.23	
14 Bromomethane	94		2.130				ND	
15 Chloroethane	64		2.221				ND	
17 Trichlorofluoromethane	101		2.453				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.965				ND	
22 1,1-Dichloroethene	96		2.983				ND	
23 Acetone	43		3.069				ND	
26 Carbon disulfide	76		3.178				ND	
27 Methyl acetate	43		3.349				ND	
30 Methylene Chloride	84		3.477				ND	
32 Methyl tert-butyl ether	73	3.648	3.642	0.006	96	8045	0.5090	
34 trans-1,2-Dichloroethene	96		3.660				ND	
39 1,1-Dichloroethane	63		4.044				ND	
45 cis-1,2-Dichloroethene	96	4.538	4.532	0.006	79	12764	1.95	
43 2-Butanone (MEK)	43		4.556				ND	
50 Chloroform	83	4.800	4.800	0.000	88	3501	0.2981	
51 1,1,1-Trichloroethane	97		4.898				ND	
52 Cyclohexane	56		4.910				ND	
55 Carbon tetrachloride	117		5.013				ND	
57 Benzene	78		5.202				ND	
58 1,2-Dichloroethane	62		5.257				ND	
62 Trichloroethene	95	5.702	5.696	0.006	97	13921	2.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.794				ND	
65 1,2-Dichloropropane	63		5.897				ND	
68 Dichlorobromomethane	83		6.123				ND	
72 cis-1,3-Dichloropropene	75		6.452				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.550				ND	
74 Toluene	92		6.684				ND	
77 trans-1,3-Dichloropropene	75		6.891				ND	
79 1,1,2-Trichloroethane	83	7.111	7.055	0.061	35	6467	1.28	
81 Tetrachloroethene	166	7.111	7.110	0.007	98	406340	57.0	
80 2-Hexanone	43		7.202				ND	
83 Chlorodibromomethane	129		7.373				ND	
84 Ethylene Dibromide	107		7.464				ND	
87 Chlorobenzene	112		7.824				ND	
88 Ethylbenzene	91		7.879				ND	
90 m-Xylene & p-Xylene	106		7.970				ND	
91 o-Xylene	106		8.305				ND	
92 Styrene	104		8.324				ND	
95 Bromoform	173		8.537				ND	
94 Isopropylbenzene	105		8.586				ND	
97 1,1,2,2-Tetrachloroethane	83		8.909				ND	
111 1,3-Dichlorobenzene	146		9.671				ND	
113 1,4-Dichlorobenzene	146		9.750				ND	
116 1,2-Dichlorobenzene	146		10.073				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.768				ND	
119 1,2,4-Trichlorobenzene	180		11.409				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

D 8260 IS/SUR_00023 Amount Added: 1.00 Units: uL Run Reagent

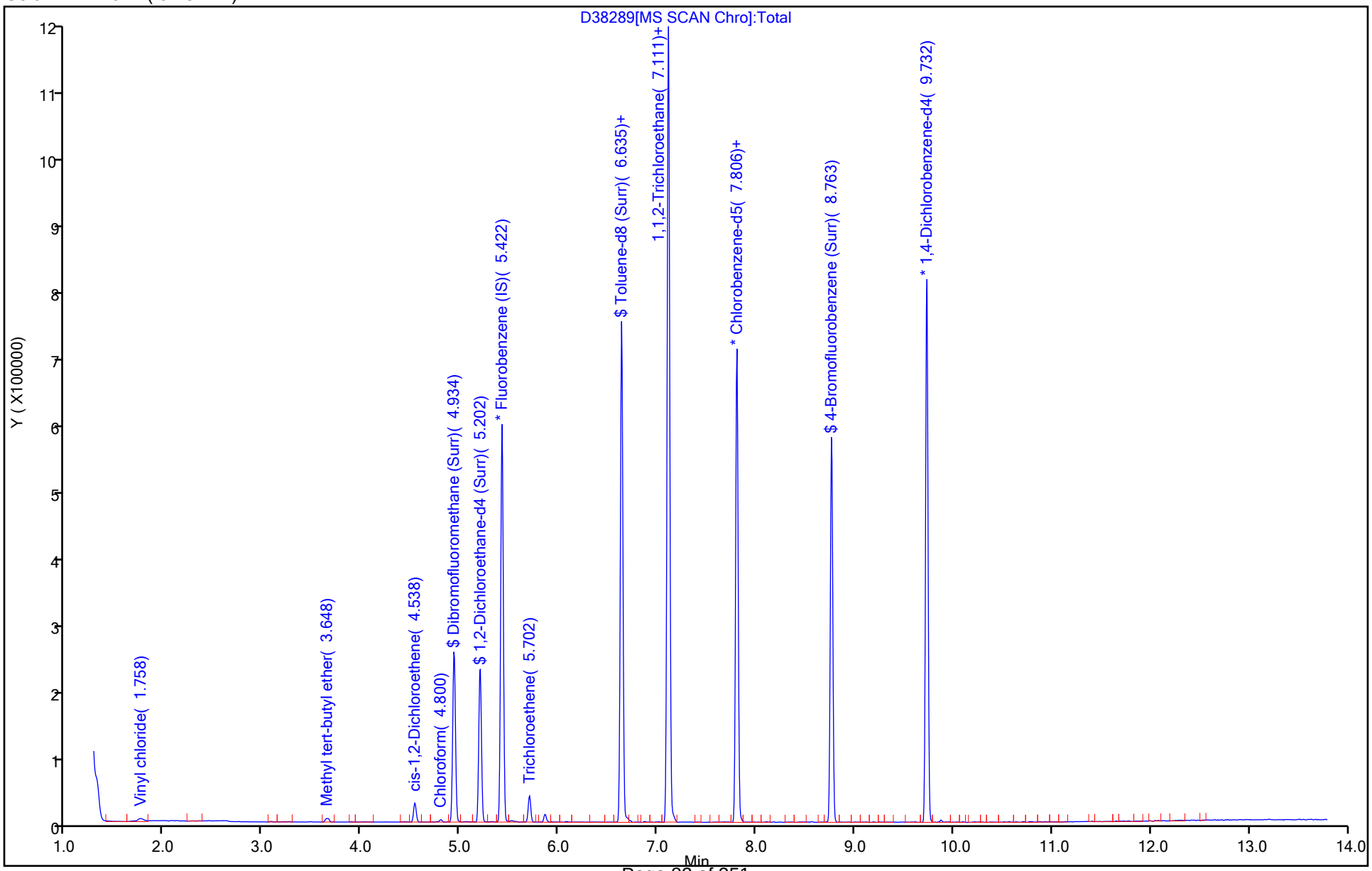
Report Date: 09-Nov-2020 14:46:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38289.D

Injection Date:	09-Nov-2020 13:41:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	480-177779-B-4	Lab Sample ID:	480-177779-4	Worklist Smp#:	10
Client ID:	DUP				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



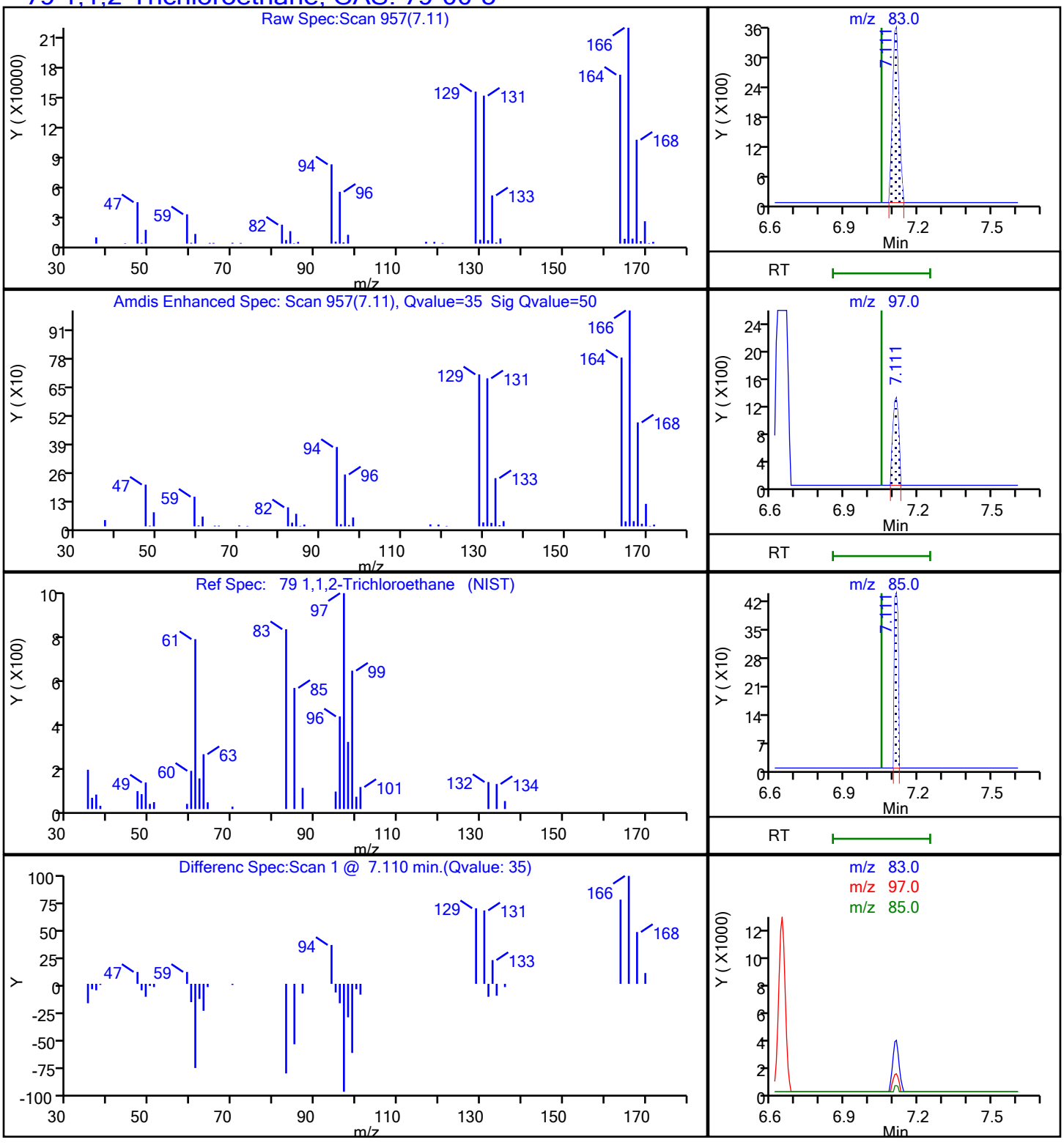
Report Date: 09-Nov-2020 14:46:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38289.D

Injection Date:	09-Nov-2020 13:41:30	Instrument ID:	HP5975D		
Lims ID:	480-177779-B-4	Lab Sample ID:	480-177779-4		
Client ID:	DUP				
Operator ID:	WD	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5



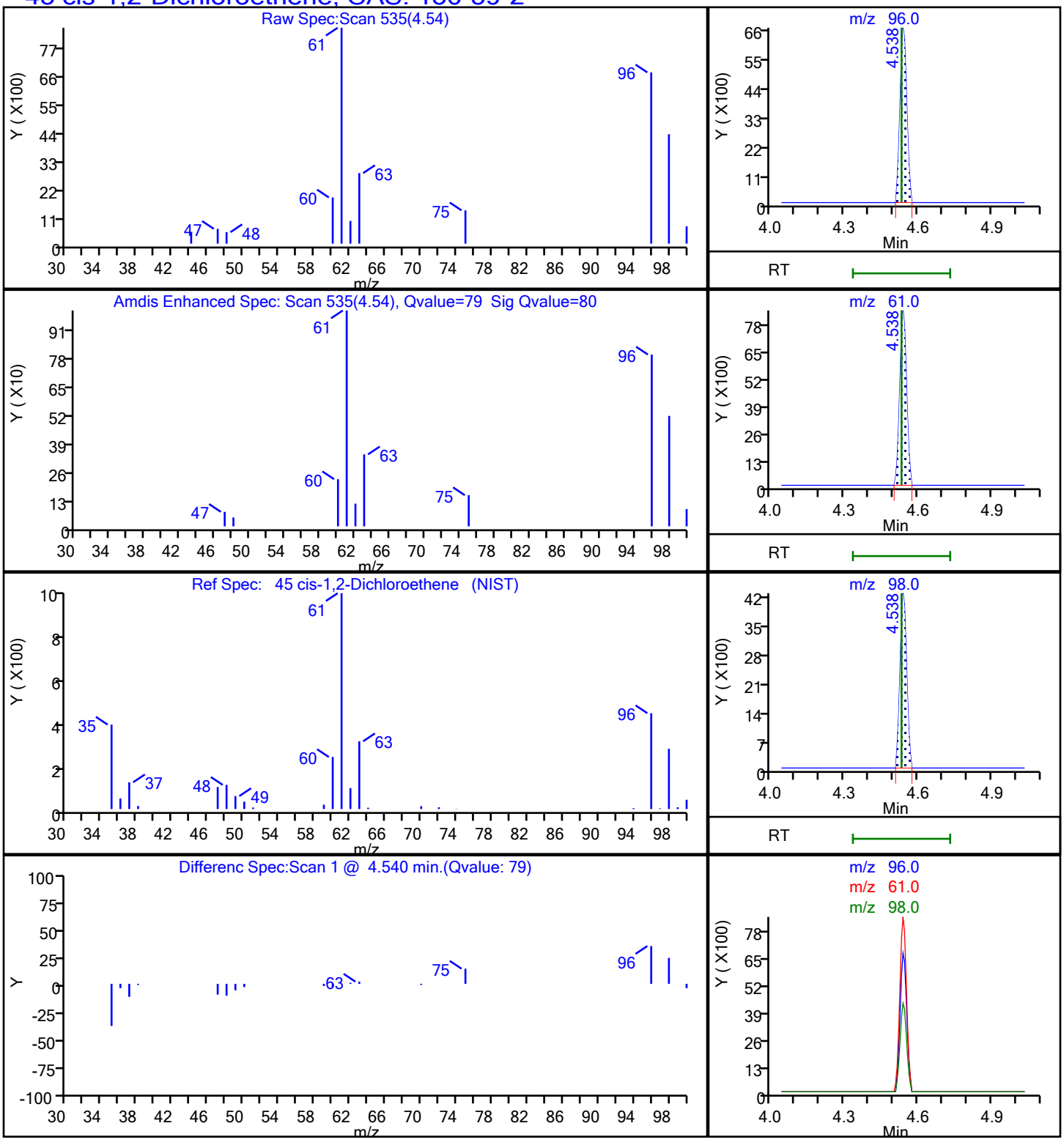
Report Date: 09-Nov-2020 14:46:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38289.D

Injection Date:	09-Nov-2020 13:41:30	Instrument ID:	HP5975D		
Lims ID:	480-177779-B-4	Lab Sample ID:	480-177779-4		
Client ID:	DUP				
Operator ID:	WD	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

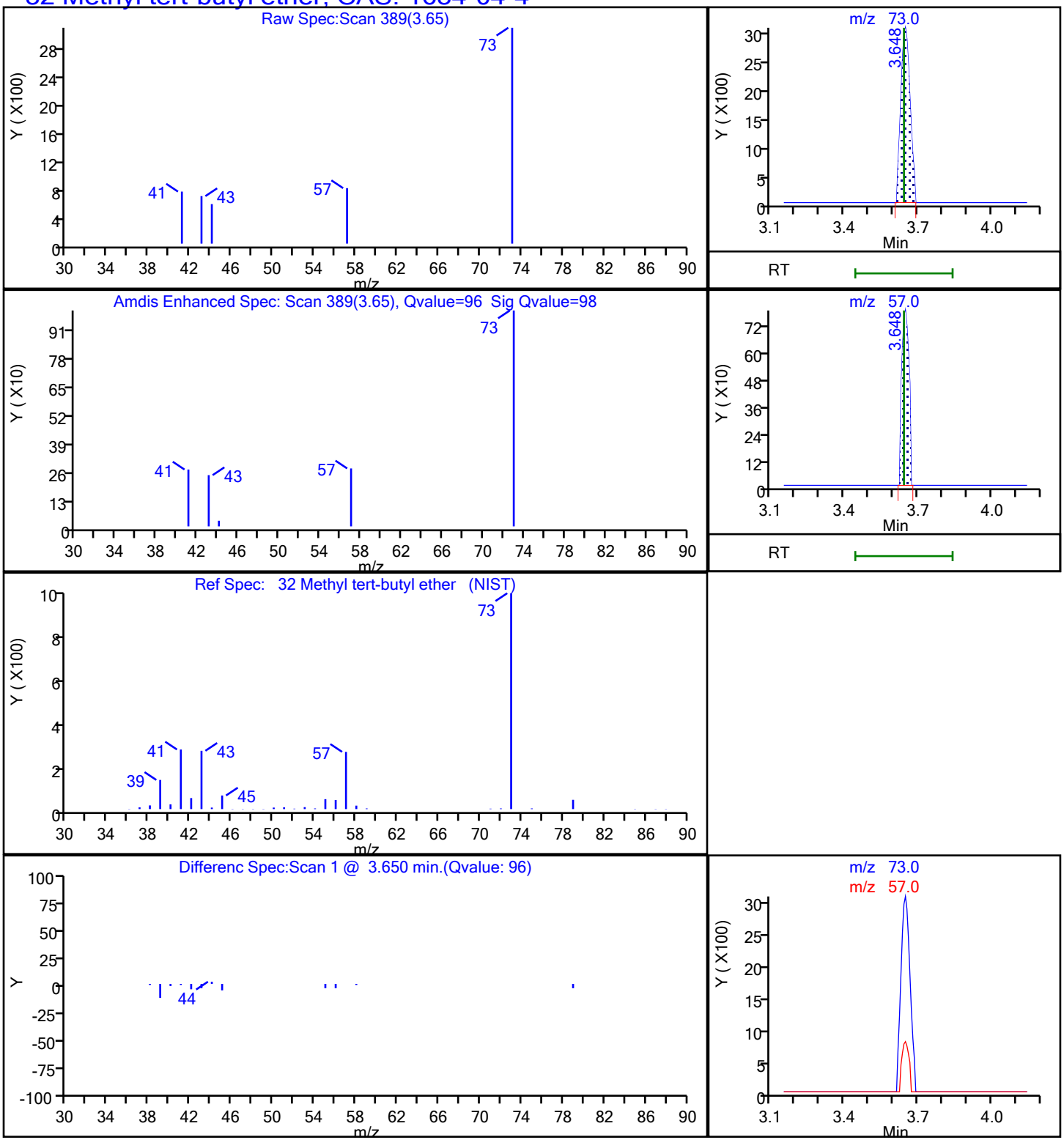


Report Date: 09-Nov-2020 14:46:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38289.D				
Injection Date:	09-Nov-2020 13:41:30	Instrument ID:	HP5975D		
Lims ID:	480-177779-B-4	Lab Sample ID:	480-177779-4		
Client ID:	DUP				
Operator ID:	WD	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

32 Methyl tert-butyl ether, CAS: 1634-04-4



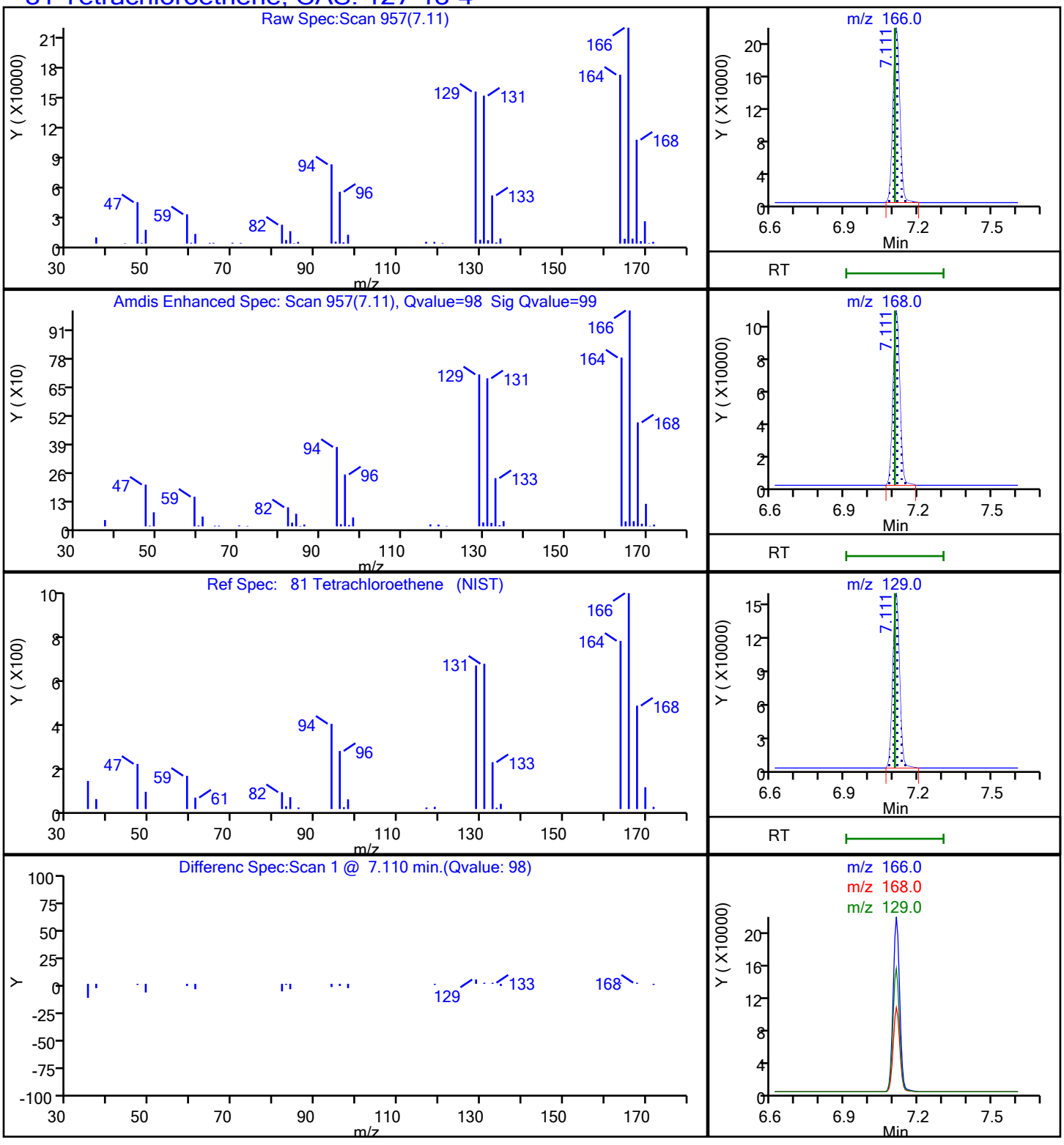
Report Date: 09-Nov-2020 14:46:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38289.D

Injection Date:	09-Nov-2020 13:41:30	Instrument ID:	HP5975D		
Lims ID:	480-177779-B-4	Lab Sample ID:	480-177779-4		
Client ID:	DUP				
Operator ID:	WD	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4



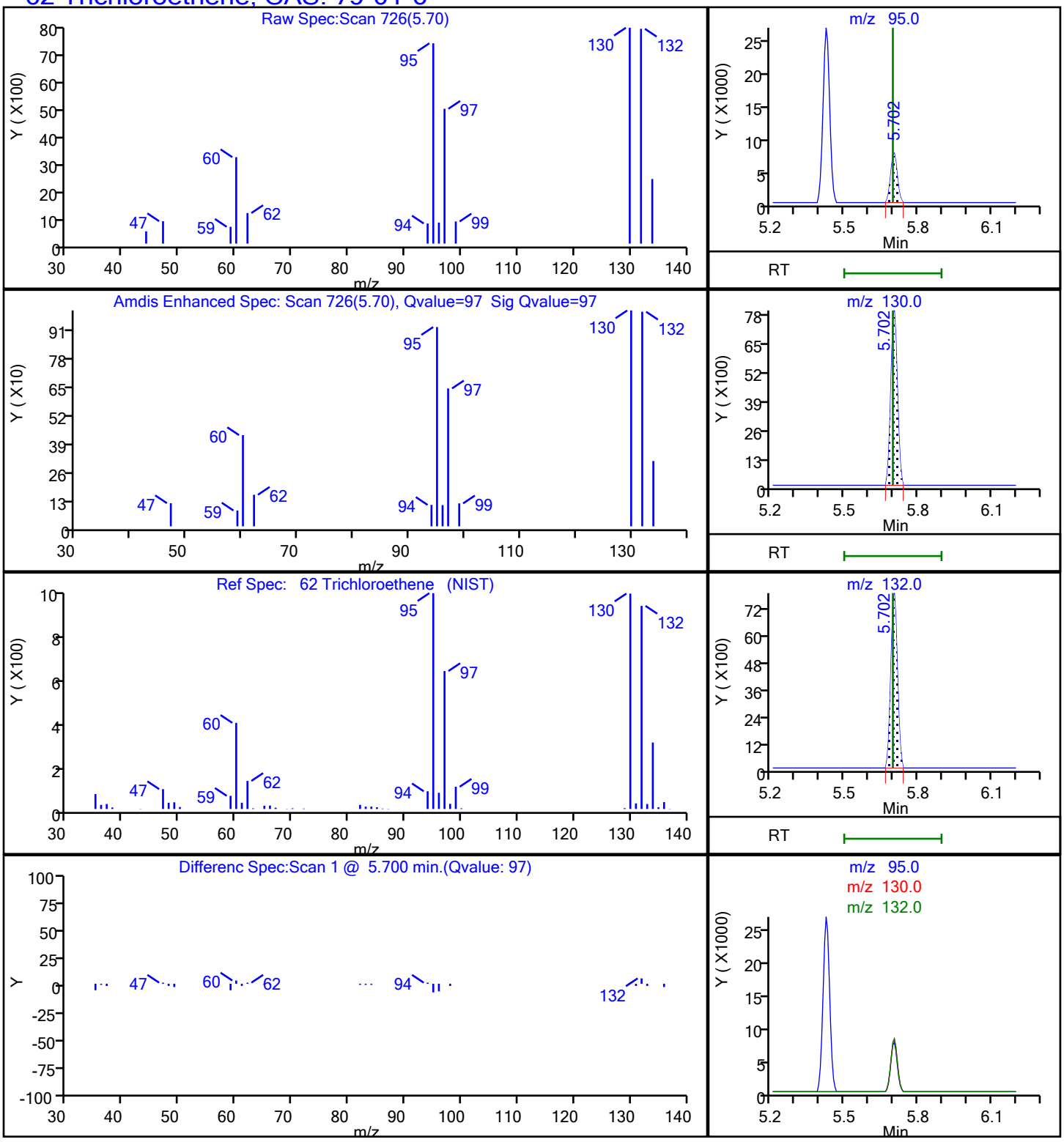
Report Date: 09-Nov-2020 14:46:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38289.D

Injection Date:	09-Nov-2020 13:41:30	Instrument ID:	HP5975D		
Lims ID:	480-177779-B-4	Lab Sample ID:	480-177779-4		
Client ID:	DUP				
Operator ID:	WD	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



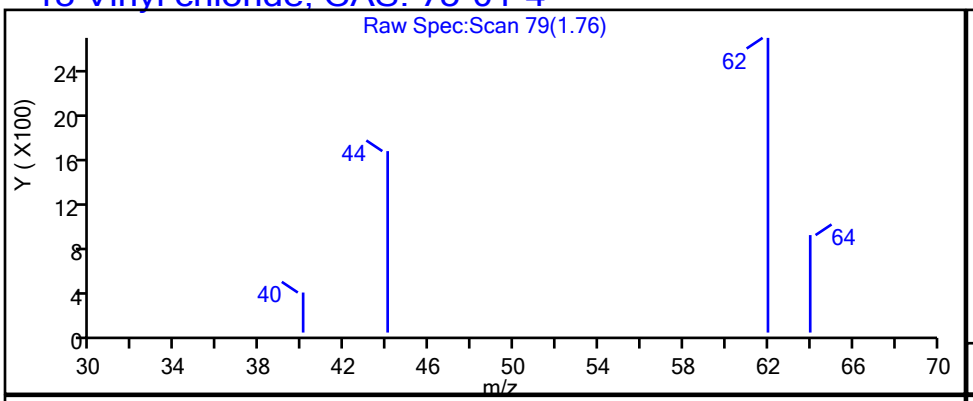
Report Date: 09-Nov-2020 14:46:17 Chrom Revision: 2.3 14-Oct-2020 14:51:38

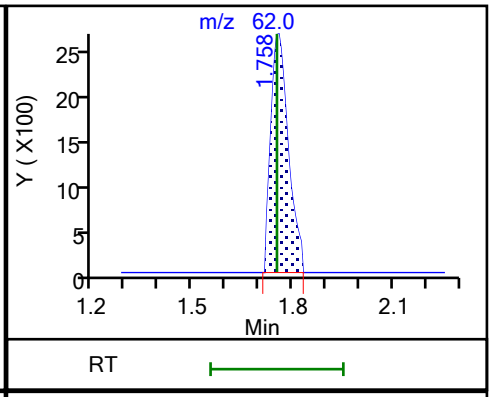
Eurofins TestAmerica, Buffalo

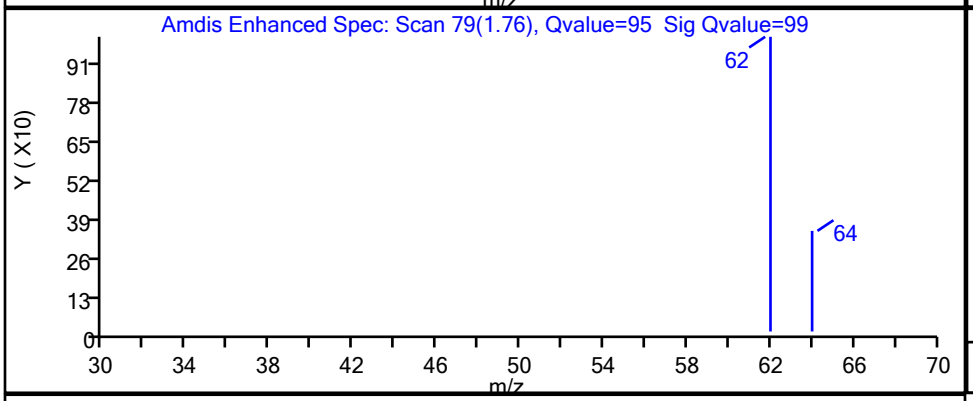
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38289.D

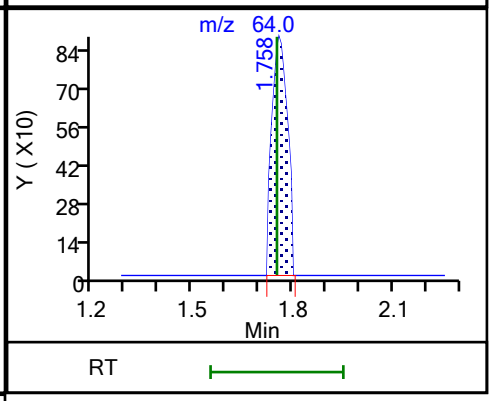
Injection Date:	09-Nov-2020 13:41:30	Instrument ID:	HP5975D		
Lims ID:	480-177779-B-4	Lab Sample ID:	480-177779-4		
Client ID:	DUP				
Operator ID:	WD	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

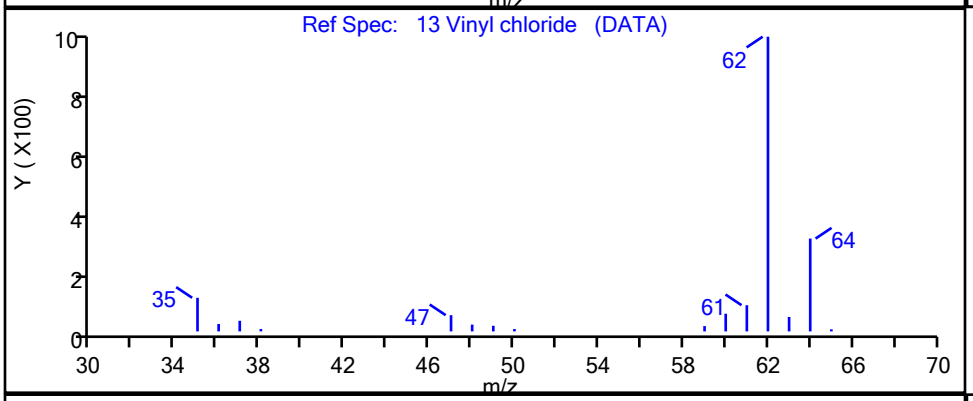
13 Vinyl chloride, CAS: 75-01-4

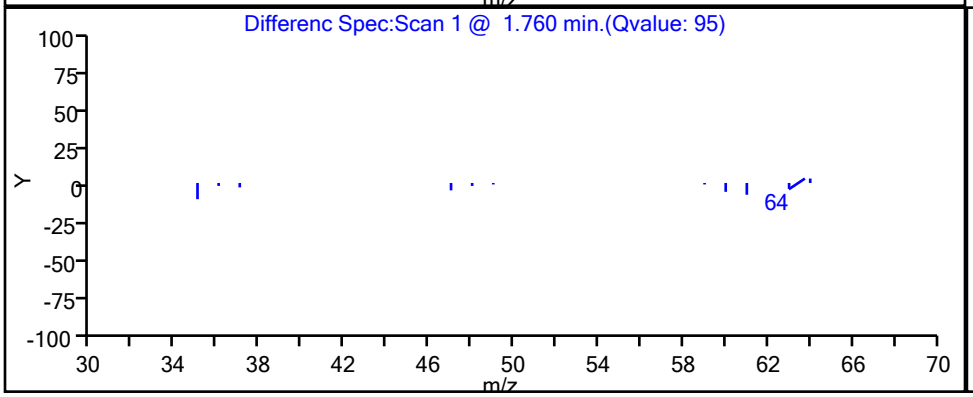


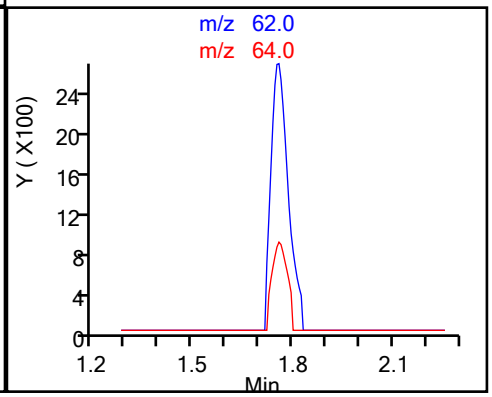












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-177779-5

Matrix: Water Lab File ID: L3955.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:00

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 14:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-177779-5

Matrix: Water Lab File ID: L3955.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:00

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 14:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3955.D
Lims ID: 480-177779-A-5
Client ID: EFFLUENT
Sample Type: Client
Inject. Date: 08-Nov-2020 14:09:01 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177779-A-5
Misc. Info.: 480-0094792-014
Operator ID: OI Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Nov-2020 09:22:50 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: dahnw Date: 09-Nov-2020 09:23:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	188779	25.0	
* 2 Chlorobenzene-d5	117	9.446	9.446	0.000	86	827809	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	96	425966	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	93	272508	24.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.231	0.000	97	317715	26.8	
$ 6 Toluene-d8 (Surr)	98	7.951	7.948	0.003	94	996351	24.3	
$ 7 4-Bromofluorobenzene (Surr)	174	10.655	10.652	0.003	99	342359	25.6	
10 Dichlorodifluoromethane	85		2.170				ND	
13 Chloromethane	50		2.437				ND	
14 Vinyl chloride	62		2.572				ND	
18 Bromomethane	94		2.958				ND	
19 Chloroethane	64		3.061				ND	
21 Trichlorofluoromethane	101		3.312				ND	
29 112TCTFE	101		3.810				ND	
30 1,1-Dichloroethene	96		3.839				ND	
31 Acetone	43	3.942	3.935	0.007	69	3706	0.9793	
35 Carbon disulfide	76		4.083				ND	
38 Methyl acetate	43		4.209				ND	
39 Methylene Chloride	84		4.337				ND	7
41 Methyl tert-butyl ether	73		4.514				ND	
42 trans-1,2-Dichloroethene	96		4.559				ND	
50 1,1-Dichloroethane	63		4.961				ND	
57 2-Butanone (MEK)	43		5.482				ND	7
58 cis-1,2-Dichloroethene	96		5.482				ND	
62 Chloroform	83		5.758				ND	
64 1,1,1-Trichloroethane	97		5.903				ND	
65 Cyclohexane	56		5.922				ND	
66 Carbon tetrachloride	117		6.038				ND	
70 Benzene	78		6.247				ND	
72 1,2-Dichloroethane	62		6.299				ND	
75 Trichloroethene	95		6.813				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83		6.945				ND	
77 1,2-Dichloropropane	63		7.057				ND	
83 Dichlorobromomethane	83		7.318				ND	
85 cis-1,3-Dichloropropene	75		7.717				ND	
87 4-Methyl-2-pentanone (MIBK)	43		7.819				ND	
88 Toluene	92		8.016				ND	
91 trans-1,3-Dichloropropene	75		8.257				ND	
93 1,1,2-Trichloroethane	83		8.463				ND	
94 Tetrachloroethene	166	8.553	8.553	0.000	80	1294	0.0915	
96 2-Hexanone	43		8.643				ND	
98 Chlorodibromomethane	129		8.887				ND	
101 Ethylene Dibromide	107		9.022				ND	
103 Chlorobenzene	112		9.475				ND	
104 Ethylbenzene	91		9.533				ND	
106 m-Xylene & p-Xylene	106		9.649				ND	
107 o-Xylene	106		10.086				ND	
109 Styrene	104		10.112				ND	
110 Bromoform	173		10.392				ND	
111 Isopropylbenzene	105		10.437				ND	
112 1,1,2,2-Tetrachloroethane	83		10.813				ND	
124 1,3-Dichlorobenzene	146		11.678				ND	
126 1,4-Dichlorobenzene	146		11.758				ND	
128 1,2-Dichlorobenzene	146		12.099				ND	
129 1,2-Dibromo-3-Chloropropane	75		12.774				ND	
130 1,2,4-Trichlorobenzene	180		13.443				ND	
S 143 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent

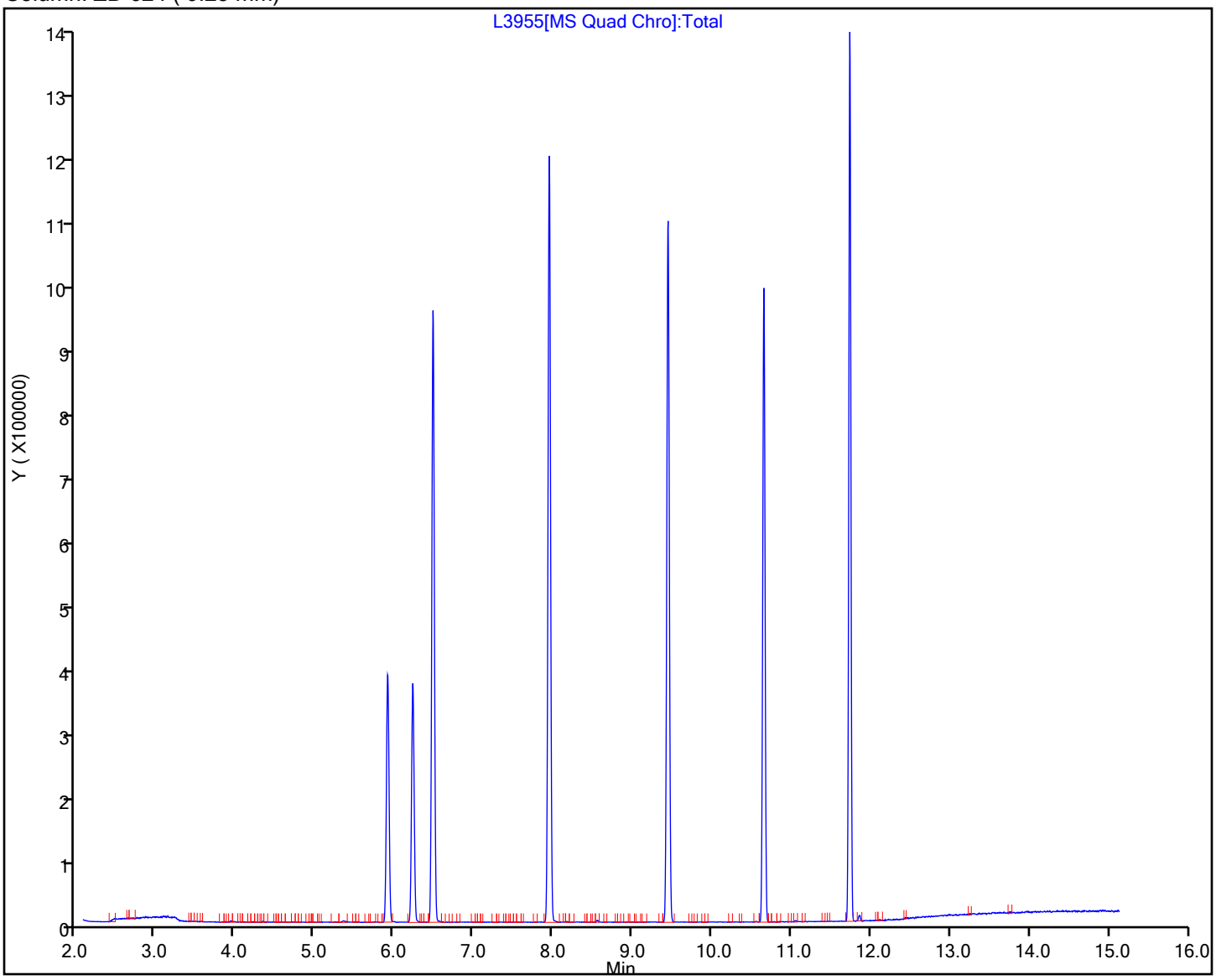
Report Date: 09-Nov-2020 09:23:38 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3955.D

Injection Date:	08-Nov-2020 14:09:01	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-5	Lab Sample ID:	480-177779-5		
Client ID:	EFFLUENT				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-177779-6

Matrix: Water Lab File ID: L3956.D

Analysis Method: 8260C Date Collected: 11/06/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 14:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-177779-6

Matrix: Water Lab File ID: L3956.D

Analysis Method: 8260C Date Collected: 11/06/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 14:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3956.D
Lims ID: 480-177779-A-6
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 08-Nov-2020 14:33:23 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-177779-A-6
Misc. Info.: 480-0094792-015
Operator ID: OI Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Nov-2020 09:23:53 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: dahnw Date: 09-Nov-2020 09:23:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	192421	25.0	
* 2 Chlorobenzene-d5	117	9.447	9.446	0.001	86	864750	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	96	464914	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	92	270221	23.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.231	0.000	98	309604	25.7	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	94	980218	22.9	
$ 7 4-Bromofluorobenzene (Surr)	174	10.652	10.652	0.000	98	313787	22.5	
10 Dichlorodifluoromethane	85		2.170				ND	
13 Chloromethane	50		2.437				ND	
14 Vinyl chloride	62		2.572				ND	
18 Bromomethane	94		2.958				ND	
19 Chloroethane	64		3.061				ND	
21 Trichlorofluoromethane	101		3.312				ND	
29 112TCTFE	101		3.810				ND	
30 1,1-Dichloroethene	96		3.839				ND	
31 Acetone	43		3.935				ND	U
35 Carbon disulfide	76		4.083				ND	
38 Methyl acetate	43		4.209				ND	
39 Methylene Chloride	84		4.337				ND	7
41 Methyl tert-butyl ether	73		4.514				ND	
42 trans-1,2-Dichloroethene	96		4.559				ND	
50 1,1-Dichloroethane	63		4.961				ND	
57 2-Butanone (MEK)	43		5.482				ND	
58 cis-1,2-Dichloroethene	96		5.482				ND	
62 Chloroform	83	5.755	5.758	-0.003	88	2956	0.1351	
64 1,1,1-Trichloroethane	97		5.903				ND	
65 Cyclohexane	56		5.922				ND	
66 Carbon tetrachloride	117		6.038				ND	
70 Benzene	78		6.247				ND	
72 1,2-Dichloroethane	62		6.299				ND	
75 Trichloroethene	95		6.813				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83		6.945				ND	
77 1,2-Dichloropropane	63		7.057				ND	
83 Dichlorobromomethane	83		7.318				ND	
85 cis-1,3-Dichloropropene	75		7.717				ND	
87 4-Methyl-2-pentanone (MIBK)	43		7.819				ND	
88 Toluene	92		8.016				ND	
91 trans-1,3-Dichloropropene	75		8.257				ND	
93 1,1,2-Trichloroethane	83		8.463				ND	
94 Tetrachloroethene	166		8.553				ND	
96 2-Hexanone	43		8.643				ND	
98 Chlorodibromomethane	129		8.887				ND	
101 Ethylene Dibromide	107		9.022				ND	
103 Chlorobenzene	112		9.475				ND	
104 Ethylbenzene	91		9.533				ND	
106 m-Xylene & p-Xylene	106		9.649				ND	
107 o-Xylene	106		10.086				ND	
109 Styrene	104		10.112				ND	
110 Bromoform	173		10.392				ND	
111 Isopropylbenzene	105		10.437				ND	
112 1,1,2,2-Tetrachloroethane	83		10.813				ND	
124 1,3-Dichlorobenzene	146		11.678				ND	
126 1,4-Dichlorobenzene	146		11.758				ND	
128 1,2-Dichlorobenzene	146		12.099				ND	
129 1,2-Dibromo-3-Chloropropane	75		12.774				ND	
130 1,2,4-Trichlorobenzene	180		13.443				ND	
S 143 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent

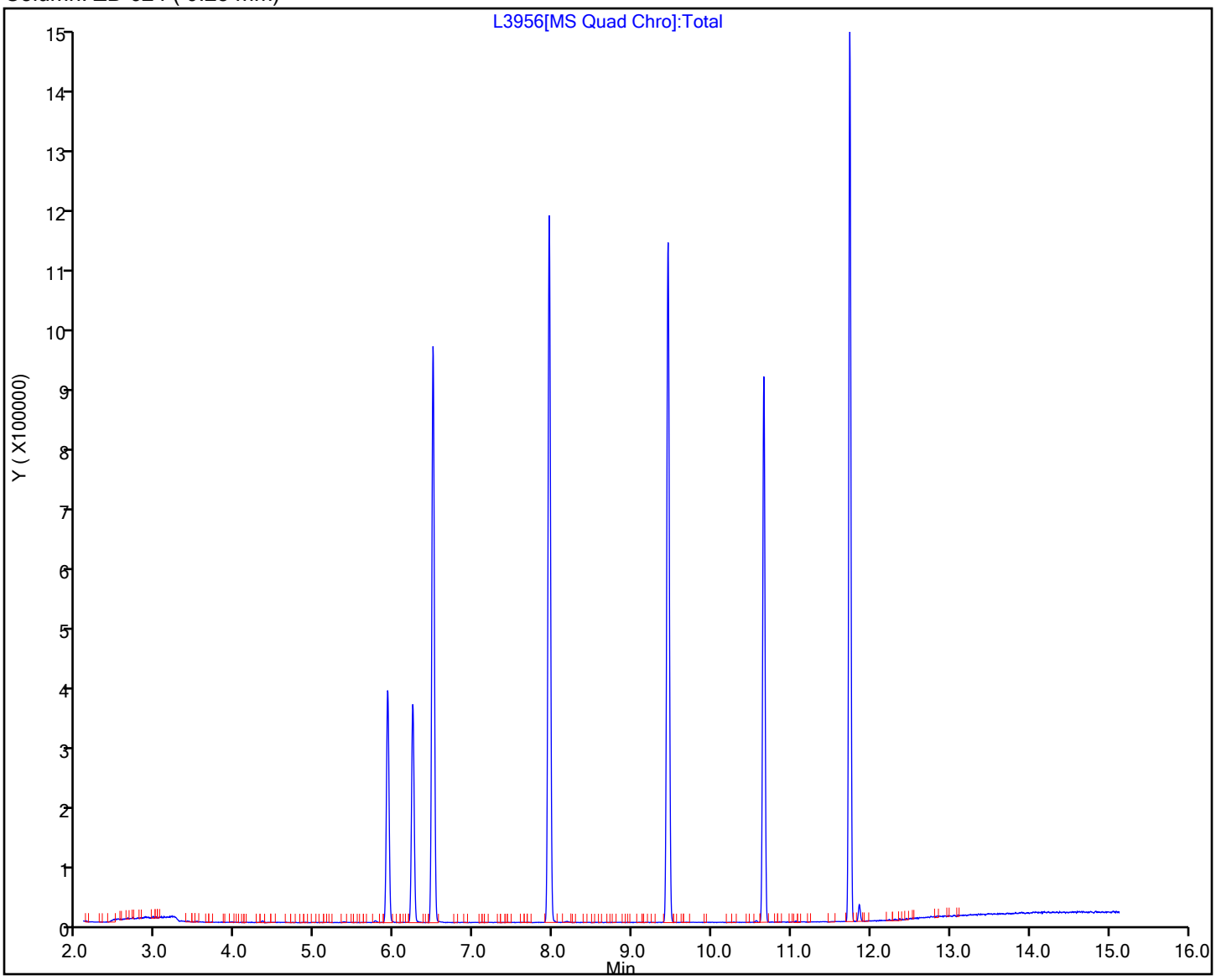
Report Date: 09-Nov-2020 09:23:53 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3956.D

Injection Date:	08-Nov-2020 14:33:23	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-6	Lab Sample ID:	480-177779-6		
Client ID:	TRIP BLANK				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



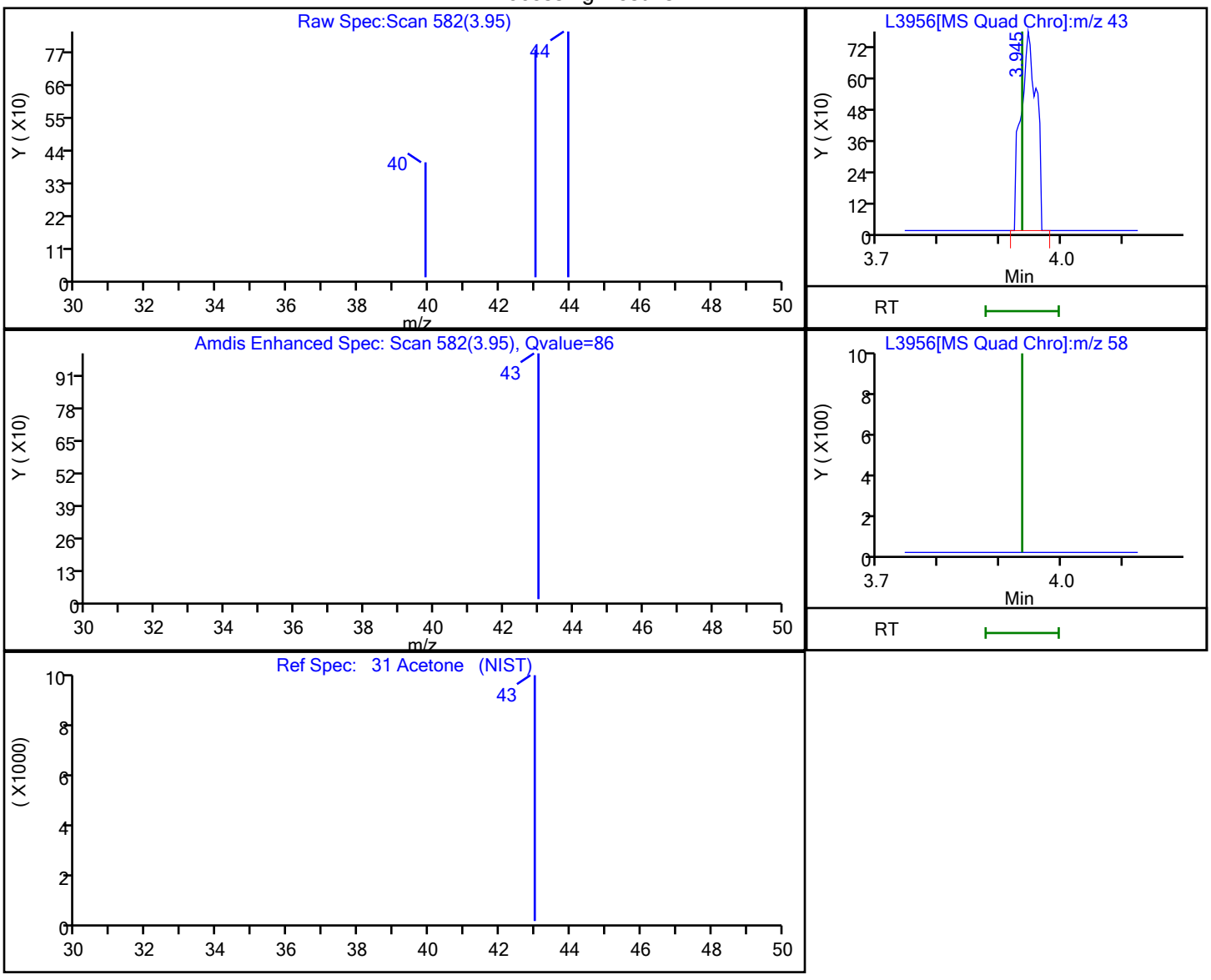
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3956.D				
Injection Date:	08-Nov-2020 14:33:23	Instrument ID:	HP5977L		
Lims ID:	480-177779-A-6	Lab Sample ID:	480-177779-6		
Client ID:	TRIP BLANK				
Operator ID:	OI	ALS Bottle#:	0	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

31 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.95	43.00	1351	0.350240
3.94	58.00	0	

Reviewer: dahnw, 09-Nov-2020 09:23:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-553342/10	D36996.D
Level 2	IC 480-553342/11	D36997.D
Level 3	IC 480-553342/12	D36998.D
Level 4	IC 480-553342/13	D36999.D
Level 5	IC 480-553342/14	D37000.D
Level 6	ICIS 480-553342/15	D37001.D
Level 7	IC 480-553342/16	D37002.D
Level 8	IC 480-553342/17	D37003.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.7047	1.7130 1.7039	1.6969 1.7281	1.7247	1.7078	Ave		1.7113			0.1000	0.7		20.0			
Chloromethane	2.2238 1.9916	2.2967 2.0128	2.2100 1.9831	2.0896	2.0107	Ave		2.1023			0.1000	5.9		20.0			
Vinyl chloride	1.5774 1.8461	1.9493 1.8655	2.0032 1.8325	1.9378	1.8857	Ave		1.8622			0.1000	6.9		20.0			
Butadiene	+++++ 1.6155	1.6742 1.6818	1.6080 1.6223	1.5730	1.6645	Ave		1.6342				2.5		20.0			
Bromomethane	+++++ 1.1224	1.0314 0.9987	1.1027 1.1341	1.1594	1.1112	Ave		1.0943			0.1000	5.3		20.0			
Chloroethane	+++++ 0.9715	1.3166 0.9566	1.1772 0.9411	1.0595	1.0075	Ave		1.0614			0.1000	13.0		20.0			
Trichlorofluoromethane	+++++ 2.1584	2.0789 2.1244	2.1427 2.1130	2.1817	2.1948	Ave		2.1420			0.1000	1.9		20.0			
Dichlorofluoromethane	+++++ 2.4944	3.0556 2.4866	2.8497 2.4550	2.6531	2.5772	Ave		2.6531				8.4		20.0			
Ethyl ether	1.1814 1.1424	1.1215 1.1276	1.2084 1.1041	1.1443	1.1875	Ave		1.1521				3.2		20.0			
Acrolein	0.0987 0.1060	0.1131 0.1136	0.1076 0.1125	0.1075	0.1120	Ave		0.1089				4.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.1880	0.9667 1.2753	1.2062 1.2150	1.3262	1.3475	Ave		1.2178			0.1000	10.4		20.0			
1,1-Dichloroethene	+++++ 1.1962	1.0117 1.1661	1.1828 1.1730	1.1979	1.2373	Ave		1.1664			0.1000	6.2		20.0			
Acetone	0.5328 0.4351	0.5199 0.4567	0.4589 0.4334	0.4493	0.4630	Ave		0.4686			0.1000	8.0		20.0			
Iodomethane	+++++ 2.4112	2.3086 2.5271	2.3377 2.4483	2.2436	2.5239	Ave		2.4000				4.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	3.8622 4.2105	4.1650 4.1927	4.3545 4.0979	4.2392	4.3551	Ave		4.1846			0.1000	3.8		20.0			
Allyl chloride	2.1605 2.1683	2.3209 2.1909	2.3669 2.0930	2.2696	2.2897	Ave		2.2325				4.2		20.0			
Methyl acetate	1.1588 1.0531	1.1667 1.0663	1.1424 1.0483	1.0868	1.0993	Ave		1.1027			0.1000	4.3		20.0			
Methylene Chloride	4.3076 1.5035	2.5174 1.4636	2.0537 1.4405	1.7328	1.6504	Lin1	1.1742	1.4423			0.1000				1.0000		0.9900
2-Methyl-2-propanol	0.1287 0.1513	0.1493 0.1634	0.1359 0.1547	0.1424	0.1589	Ave		0.1481				7.9		20.0			
Methyl tert-butyl ether	3.4982 3.7782	3.6318 3.7469	3.7817 3.6986	3.7713	3.8970	Ave		3.7255			0.1000	3.2		20.0			
trans-1,2-Dichloroethene	1.2205 1.3690	1.2712 1.3590	1.3378 1.3286	1.3788	1.4250	Ave		1.3362			0.1000	4.8		20.0			
Acrylonitrile	0.5153 0.5175	0.5364 0.5317	0.5382 0.5166	0.5334	0.5403	Ave		0.5287				2.0		20.0			
Hexane	1.6051 1.9617	1.9321 1.8970	2.1293 1.8458	1.9969	2.0441	Ave		1.9265				8.1		20.0			
1,1-Dichloroethane	2.3801 2.5611	2.5312 2.4972	2.6326 2.4278	2.6058	2.6119	Ave		2.5310			0.2000	3.6		20.0			
Vinyl acetate	2.9623 3.3484	3.0214 3.3462	3.2228 3.3111	3.2015	3.3798	Ave		3.2242				4.9		20.0			
2,2-Dichloropropane	+++++ 1.5003	1.4608 1.5420	1.5561 1.4557	1.4953	1.5814	Ave		1.5131				3.2		20.0			
cis-1,2-Dichloroethene	1.5212 1.5368	1.5507 1.5148	1.5724 1.4758	1.5594	1.5863	Ave		1.5397			0.1000	2.3		20.0			
2-Butanone (MEK)	0.7556 0.7205	0.7461 0.7288	0.7473 0.7114	0.7409	0.7432	Ave		0.7367			0.1000	2.0		20.0			
Chlorobromomethane	0.8617 0.8600	0.8473 0.8490	0.8741 0.8331	0.8816	0.8881	Ave		0.8619				2.2		20.0			
Tetrahydrofuran	+++++ 0.4480	0.5544 0.4480	0.4733 0.4422	0.4640	0.4771	Ave		0.4724				8.2		20.0			
Chloroform	+++++ 2.6741	2.9840 2.6157	2.9409 2.5541	2.8027	2.8083	Ave		2.7685			0.2000	5.8		20.0			
1,1,1-Trichloroethane	1.7863 2.1852	2.0310 2.2182	2.1834 2.1128	2.1879	2.2608	Ave		2.1207			0.1000	7.2		20.0			
Cyclohexane	+++++ 2.3522	2.0209 2.3175	2.4519 2.2338	2.4611	2.4782	Ave		2.3308			0.1000	7.0		20.0			
Carbon tetrachloride	+++++ 1.9479	1.6915 2.0041	1.8518 1.9679	1.8927	2.0104	Ave		1.9095			0.1000	5.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.6514 1.9277	1.8918 1.8748	1.9735 1.8251	1.9717	1.9908	Ave		1.8883				5.9		20.0			
Isobutyl alcohol	0.0541 0.0612	0.0621 0.0676	0.0583 0.0650	0.0602	0.0647	Ave		0.0617				6.9		20.0			
Benzene	5.2330 5.3784	5.4735 5.2518	5.6685 5.1195	5.6220	5.5734	Ave		5.4150			0.5000	3.7		20.0			
1,2-Dichloroethane	2.5036 2.2082	2.3628 2.1559	2.3594 2.0780	2.2882	2.2705	Ave		2.2783			0.1000	5.9		20.0			
n-Heptane	2.0031 2.1705	2.2890 2.0984	2.4697 2.0346	2.2766	2.2942	Ave		2.2045				7.1		20.0			
Trichloroethene	1.3606 1.5282	1.5233 1.5095	1.5707 1.4702	1.5402	1.5684	Ave		1.5089			0.2000	4.5		20.0			
Methylcyclohexane	+++++ 2.2542	2.0837 2.2687	2.3496 2.1670	2.3018	2.3455	Ave		2.2529			0.1000	4.3		20.0			
1,2-Dichloropropane	1.4215 1.4726	1.4696 1.4503	1.5170 1.4069	1.5116	1.5162	Ave		1.4707			0.1000	2.9		20.0			
1,4-Dioxane	+++++ 0.0047	+++++ 0.0057	0.0031 0.0049	0.0038	0.0053	Lin1	-0.082	0.0052							0.9930		0.9900
Dibromomethane	0.9899 1.0397	1.0439 1.0345	1.0746 1.0110	1.0452	1.0737	Ave		1.0391			0.1000	2.8		20.0			
Bromodichloromethane	1.8021 2.0076	1.8654 2.0537	1.9741 2.0280	1.9540	2.0235	Ave		1.9636			0.2000	4.5		20.0			
2-Chloroethyl vinyl ether	0.7106 0.9172	0.7890 0.8923	0.9274 0.9182	0.9177	0.9422	Ave		0.8768				9.4		20.0			
cis-1,3-Dichloropropene	2.0771 2.3184	2.1096 2.3497	2.2727 2.2979	2.2777	2.3162	Ave		2.2524			0.2000	4.5		20.0			
4-Methyl-2-pentanone (MIBK)	0.7082 0.7413	0.7212 0.7266	0.7452 0.7071	0.7499	0.7556	Ave		0.7319			0.1000	2.6		20.0			
Toluene	1.6124 1.6353	1.6020 1.6165	1.7333 1.5771	1.6947	1.7034	Ave		1.6468			0.4000	3.4		20.0			
trans-1,3-Dichloropropene	0.9002 1.0521	0.8760 1.0499	0.9837 1.0521	1.0095	1.0639	Ave		0.9984			0.1000	7.3		20.0			
Ethyl methacrylate	0.7334 0.8651	0.7251 0.8631	0.7984 0.8634	0.8311	0.8629	Ave		0.8178				7.3		20.0			
1,1,2-Trichloroethane	0.4969 0.5522	0.5204 0.5461	0.5572 0.5374	0.5511	0.5685	Ave		0.5412			0.1000	4.2		20.0			
Tetrachloroethene	+++++ 0.7615	0.7470 0.7577	0.8009 0.7309	0.7839	0.7825	Ave		0.7664			0.2000	3.1		20.0			
1,3-Dichloropropane	1.0019 1.0310	1.0262 1.0158	1.0642 0.9965	1.0619	1.0639	Ave		1.0327				2.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.4898 0.5371	0.5040 0.5272	0.5367 0.5166	0.5511	0.5556	Ave		0.5273			0.1000	4.3		20.0			
Dibromochloromethane	0.6432 0.7766	0.6546 0.7958	0.7032 0.8155	0.7106	0.7596	Ave		0.7324			0.1000	8.8		20.0			
1,2-Dibromoethane	0.6613 0.7288	0.6898 0.7218	0.7186 0.7163	0.7186	0.7522	Ave		0.7134				3.8		20.0			
Chlorobenzene	1.9042 1.9099	1.9460 1.8697	1.9872 1.8483	1.9545	1.9718	Ave		1.9240			0.5000	2.6		20.0			
Ethylbenzene	2.9293 3.1821	3.0377 3.1220	3.2759 3.0677	3.2486	3.2786	Ave		3.1428			0.1000	4.0		20.0			
1,1,1,2-Tetrachloroethane	0.5724 0.7016	0.6268 0.7008	0.6659 0.7008	0.6785	0.7007	Ave		0.6684				7.0		20.0			
m,p-Xylene	1.0738 1.2348	1.2170 1.2087	1.2371 1.1920	1.2341	1.2797	Ave		1.2097			0.1000	5.0		20.0			
o-Xylene	1.0784 1.1981	1.1551 1.1818	1.2183 1.1712	1.2206	1.2291	Ave		1.1816			0.3000	4.2		20.0			
Styrene	1.8457 2.0553	1.9152 2.0524	2.0347 2.0373	2.0613	2.1207	Ave		2.0153			0.3000	4.4		20.0			
Bromoform	0.4297 0.5155	0.3853 0.5441	0.4170 0.5753	0.4402	0.4903	Ave		0.4747			0.1000	14.1		20.0			
Isopropylbenzene	2.6782 3.0442	2.9434 2.9394	3.1736 2.9019	3.0579	3.0948	Ave		2.9792			0.1000	5.1		20.0			
Bromobenzene	0.8530 0.8661	0.8664 0.8486	0.8970 0.8366	0.8852	0.8830	Ave		0.8670				2.4		20.0			
1,1,2,2-Tetrachloroethane	0.8537 0.9071	0.8547 0.8814	0.9042 0.8764	0.8968	0.9063	Ave		0.8851			0.3000	2.5		20.0			
N-Propylbenzene	3.2782 3.7434	3.6083 3.6154	3.9441 3.5517	3.8282	3.8200	Ave		3.6737				5.7		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2727	0.2059 0.2705	0.2457 0.2780	0.2458	0.2634	Ave		0.2546				9.8		20.0			
1,2,3-Trichloropropane	+++++ 0.2414	0.2400 0.2375	0.2391 0.2325	0.2405	0.2482	Ave		0.2399				2.0		20.0			
2-Chlorotoluene	0.6963 0.7638	0.7470 0.7324	0.7918 0.7189	0.7792	0.7725	Ave		0.7502				4.4		20.0			
1,3,5-Trimethylbenzene	2.2745 2.6015	2.4992 2.5402	2.6842 2.4963	2.6347	2.6411	Ave		2.5465				5.1		20.0			
4-Chlorotoluene	0.7170 0.7898	0.8036 0.7724	0.8164 0.7607	0.7971	0.8150	Ave		0.7840				4.2		20.0			
tert-Butylbenzene	+++++ 0.5174	0.4881 0.5080	0.5370 0.4973	0.5212	0.5278	Ave		0.5138				3.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	+++++ 2.6704	2.5296 2.6008	2.7391 2.5663	2.6943	2.7261	Ave		2.6467				3.1		20.0			
sec-Butylbenzene	+++++ 3.3880	3.2453 3.3091	3.5011 3.2364	3.3737	3.4513	Ave		3.3578				3.0		20.0			
4-Isopropyltoluene	+++++ 2.8934	2.7118 2.8624	2.9284 2.7959	2.9202	2.9592	Ave		2.8673				3.0		20.0			
1,3-Dichlorobenzene	1.4950 1.5978	1.6081 1.5791	1.6815 1.5476	1.6378	1.6412	Ave		1.5985			0.6000	3.7		20.0			
1,4-Dichlorobenzene	1.5898 1.6271	1.6321 1.6053	1.7061 1.5783	1.6852	1.6689	Ave		1.6366			0.5000	2.8		20.0			
n-Butylbenzene	2.2299 2.7167	2.5895 2.6919	2.7627 2.6338	2.7625	2.7727	Ave		2.6450				6.8		20.0			
1,2-Dichlorobenzene	1.5069 1.5827	1.5748 1.5695	1.6187 1.5483	1.5868	1.6294	Ave		1.5771			0.4000	2.4		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1554	0.1237 0.1601	0.1376 0.1649	0.1441	0.1503	Ave		0.1480			0.0500	9.6		20.0			
1,2,4-Trichlorobenzene	1.0241 1.1420	1.0593 1.1428	1.1342 1.1538	1.1241	1.1396	Ave		1.1150			0.2000	4.2		20.0			
Hexachlorobutadiene	0.4234 0.5799	0.5334 0.5834	0.5816 0.5556	0.5818	0.5813	Ave		0.5526				10.0		20.0			
Naphthalene	2.6569 2.8043	2.6218 2.8174	2.6611 2.7877	2.6649	2.7592	Ave		2.7217				2.9		20.0			
1,2,3-Trichlorobenzene	0.9961 1.0761	1.0105 1.0896	1.0614 1.0863	1.0483	1.0841	Ave		1.0566				3.4		20.0			
Dibromofluoromethane (Surr)	1.4817 1.5084	1.5030 1.4828	1.4933 1.4659	1.5067	1.4882	Ave		1.4913				1.0		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8754 0.8720	0.8894 0.8662	0.8807 0.8589	0.8874	0.8761	Ave		0.8758				1.2		20.0			
Toluene-d8 (Surr)	2.3759 2.3665	2.3804 2.3579	2.3707 2.3170	2.3748	2.3538	Ave		2.3621				0.9		20.0			
4-Bromofluorobenzene (Surr)	0.8132 0.8243	0.8187 0.8347	0.8089 0.8346	0.8233	0.8265	Ave		0.8230				1.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-553342/10	D36996.D
Level 2	IC 480-553342/11	D36997.D
Level 3	IC 480-553342/12	D36998.D
Level 4	IC 480-553342/13	D36999.D
Level 5	IC 480-553342/14	D37000.D
Level 6	ICIS 480-553342/15	D37001.D
Level 7	IC 480-553342/16	D37002.D
Level 8	IC 480-553342/17	D37003.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 267421	10515 537908	21109 1094625	52916	105735	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	5621 312428	14098 635421	27491 1256143	64112	124489	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	3987 289604	11966 588906	24919 1160739	59454	116750	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 253420	10277 530939	20003 1027597	48263	103054	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 176075	6331 315287	13717 718336	35571	68800	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 152407	8082 301994	14644 596117	32507	62374	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 338583	12761 670654	26654 1338390	66938	135887	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 391294	18757 784991	35449 1555040	81402	159562	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	2986 179202	6884 355986	15032 699361	35109	73523	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	1247 83175	3471 179289	6691 356236	16495	34666	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 186361	5934 402592	15004 769601	40690	83430	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	+++++ 187654	6210 368119	14713 743026	36753	76604	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	6733 341248	15957 720856	28540 1372526	68919	143342	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	+++++ 378250	14171 797772	29080 1550811	68836	156259	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	9762 660509	25567 1323582	54168 2595667	130064	269633	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	5461 340146	14247 691655	29443 1325729	69634	141761	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	5858 330390	14323 673243	28422 1328086	66687	136125	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	10888 235859	15453 462058	25547 912430	53166	102183	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	3253 237377	9164 515947	16905 979874	43697	98365	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	8842 592684	22294 1182864	47042 2342774	115709	241272	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3085 214753	7803 429011	16641 841543	42305	88224	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	13025 811811	32925 1678369	66947 3271955	163668	334508	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	4057 307732	11860 598850	26488 1169162	61267	126554	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	6016 401756	15538 788350	32748 1537809	79951	161708	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	14975 1050524	37093 2112734	80179 4194601	196457	418503	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 235348	8967 486792	19357 922092	45878	97907	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3845 241084	9519 478218	19560 934830	47844	98213	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	9549 565114	22900 1150308	46481 2253070	113660	230058	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2178 134906	5201 268022	10874 527705	27048	54984	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 140572	6806 282863	11776 560257	28472	59077	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 419493	18317 825740	36583 1617813	85990	173867	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	4515 342793	12467 700257	27160 1338273	67129	139970	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 368985	12405 731610	30500 1414940	75512	153432	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 305576	10383 632688	23036 1246500	58070	124466	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	4174 302393	11613 591843	24549 1156045	60496	123256	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	3419 240180	9528 533702	18124 1029788	46145	100167	10.0 625	25.0 1250	50.0 2500	125	250

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	13227 843715	33599 1657952	70514 3242805	172493	345064	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	6328 346402	14504 680604	29350 1316237	70205	140571	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	5063 340488	14051 662442	30722 1288749	69850	142041	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3439 239734	9351 476521	19539 931264	47257	97104	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 353615	12791 716198	29228 1372605	70622	145215	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3593 231007	9021 457840	18871 891189	46377	93873	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Lin1	+++++ 31344	+++++ 76633	1637 133031	4928	13784	+++++ 500	+++++ 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	2502 163106	6408 326588	13368 640406	32068	66473	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	4555 314935	11451 648348	24557 1284556	59952	125281	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	1796 143883	4843 281702	11537 581613	28155	58334	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	5250 363694	12950 741788	28271 1455539	69882	143399	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	18805 1230110	47110 2446153	97545 4814623	242572	495781	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	8563 542693	20928 1088362	45378 2147649	109638	223526	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	4781 349171	11444 706864	25754 1432760	65311	139603	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	3895 287113	9472 581126	20902 1175721	53766	113228	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	2639 183254	6799 367686	14588 731840	35656	74601	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 252719	9759 510168	20967 995289	50715	102684	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	5321 342149	13406 683948	27861 1356982	68698	139601	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	13006 891176	32918 1774825	70249 3517635	178272	364540	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	3416 257741	8552 535781	18409 1110575	45975	99676	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	3512 241875	9011 485952	18812 975461	46488	98709	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	10113 633818	25422 1258876	52025 2516918	126445	258746	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	15557 1056047	39684 2101992	85762 4177530	210172	430224	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3040 232837	8189 471835	17432 954373	43895	91952	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	5703 409782	15899 813785	32386 1623284	79840	167921	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	5727 397614	15090 795725	31895 1594870	78969	161280	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	9802 682071	25020 1381837	53268 2774376	133359	278276	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	2282 171090	5033 366329	10917 783379	28480	64340	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	14346 1033481	39362 2077306	83183 4155674	203999	425389	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	4569 294019	11586 599685	23511 1198106	59053	121378	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	4573 307959	11430 622887	23699 1254964	59827	124575	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	17560 1270826	48254 2555038	103380 5086188	255383	525082	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 92583	2754 191170	6441 398039	16395	36212	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 81948	3209 167873	6268 332985	16045	34112	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	3730 259303	9989 517609	20753 1029484	51980	106188	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	12184 883194	33422 1795177	70355 3574751	175763	363033	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	3841 268128	10747 545839	21400 1089355	53178	112024	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 175661	6528 358991	14076 712117	34769	72543	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 906580	33829 1838012	71794 3674957	179740	374716	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 1150199	43399 2338585	91768 4634612	225065	474392	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 982268	36265 2022923	76758 4003819	194811	406758	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	8008 542435	21505 1115959	44073 2216150	109261	225587	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 553342

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 12:52 Calibration End Date: 10/10/2020 15:35 Calibration ID: 40426

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	8516 552397	21826 1134507	44718 2260179	112419	229394	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	11945 922282	34630 1902383	72414 3771641	184292	381125	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	8072 537322	21060 1109160	42428 2217231	105860	223966	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 52761	1654 113128	3607 236114	9610	20654	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	5486 387701	14166 807602	29729 1652306	74993	156641	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	2268 196879	7133 412314	15244 795673	38813	79903	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	14232 952026	35061 1991107	69750 3992133	177781	379260	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	5336 365327	13513 770042	27821 1555587	69936	149014	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	234079 236631	230651 234057	232203 232132	231133	230342	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	138298 136798	136483 136730	136946 136011	136139	135609	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	788622 785377	777437 793759	775784 788791	768197	772159	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	269907 273563	267398 281006	264712 284139	266319	271119	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 10-Oct-2020 12:52:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0094037-010
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:45 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:27:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.434	0.006	98	157975	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.817	7.818	-0.001	87	331925	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	334792	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	92	234079	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.214	5.220	-0.006	99	138298	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	95	788622	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	269907	25.0	24.7	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	85	3094	0.4000	0.2861	
12 Chloromethane	50	1.654	1.666	-0.012	96	5621	0.4000	0.4231	
13 Vinyl chloride	62	1.770	1.770	0.000	89	3987	0.4000	0.3388	
144 Butadiene	54	1.794	1.794	0.000	79	1969	0.4000	0.1907	
14 Bromomethane	94	2.142	2.148	-0.006	58	3622	0.4000	0.5238	
15 Chloroethane	64	2.245	2.245	0.000	75	3421	0.4000	0.5100	
17 Trichlorofluoromethane	101	2.483	2.471	0.012	69	3244	0.4000	0.2397	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	86	8002	0.4000	0.4773	
18 Ethyl ether	59	2.751	2.751	0.000	96	2986	0.4000	0.4101	
20 Acrolein	56	2.940	2.947	-0.007	96	1247	2.00	1.81	Ma
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.989				ND	ND	
22 1,1-Dichloroethene	96	3.007	3.008	-0.001	0	1398	0.4000	0.1897	M
23 Acetone	43	3.099	3.099	0.000	98	6733	2.00	2.27	
25 Iodomethane	142	3.184	3.184	0.000	95	3102	0.4000	0.2045	
26 Carbon disulfide	76	3.203	3.203	0.000	98	9762	0.4000	0.3692	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	86	5461	0.4000	0.3871	
27 Methyl acetate	43	3.379	3.379	0.000	97	5858	0.8000	0.8407	
30 Methylene Chloride	84	3.520	3.520	0.000	93	10888	0.4000	0.3805	M
31 2-Methyl-2-propanol	59	3.629	3.629	0.000	91	3253	4.00	3.48	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	96	8842	0.4000	0.3756	
34 trans-1,2-Dichloroethene	96	3.684	3.690	-0.006	95	3085	0.4000	0.3654	
33 Acrylonitrile	53	3.745	3.745	0.000	0	13025	4.00	3.90	M
35 Hexane	57	3.855	3.855	0.000	91	4057	0.4000	0.3333	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	91	6016	0.4000	0.3762	
37 Vinyl acetate	43	4.105	4.105	0.000	97	14975	0.8000	0.7350	
44 2,2-Dichloropropane	77	4.525	4.526	-0.001	0	2966	0.4000	0.3102	M
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	78	3845	0.4000	0.3952	
43 2-Butanone (MEK)	43	4.580	4.580	0.000	0	9549	2.00	2.05	M
48 Chlorobromomethane	128	4.763	4.763	0.000	94	2178	0.4000	0.3999	
49 Tetrahydrofuran	42	4.775	4.775	0.000	81	3280	0.8000	1.10	
50 Chloroform	83	4.818	4.818	0.000	93	9008	0.4000	0.5149	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	0	4515	0.4000	0.3369	M
52 Cyclohexane	56	4.928	4.928	0.000	94	3594	0.4000	0.2440	
55 Carbon tetrachloride	117	5.038	5.038	0.000	93	3549	0.4000	0.2941	
54 1,1-Dichloropropene	75	5.044	5.044	0.000	88	4174	0.4000	0.3498	
53 Isobutyl alcohol	43	5.208	5.202	0.006	88	3419	10.0	8.78	
57 Benzene	78	5.220	5.220	0.000	92	13227	0.4000	0.3866	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	95	6328	0.4000	0.4395	
59 n-Heptane	43	5.336	5.342	-0.006	92	5063	0.4000	0.3635	
62 Trichloroethene	95	5.720	5.720	0.000	93	3439	0.4000	0.3607	
64 Methylcyclohexane	83	5.818	5.818	0.000	0	4005	0.4000	0.2813	M
65 1,2-Dichloropropane	63	5.915	5.922	-0.007	89	3593	0.4000	0.3866	
66 1,4-Dioxane	88		6.025				ND	ND	
67 Dibromomethane	93	6.037	6.037	0.000	96	2502	0.4000	0.3811	
68 Dichlorobromomethane	83	6.147	6.147	0.000	0	4555	0.4000	0.3671	M
69 2-Chloroethyl vinyl ether	63	6.348	6.348	0.000	0	1796	0.4000	0.3242	M
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	90	5250	0.4000	0.3689	
73 4-Methyl-2-pentanone (MIBK)	43	6.574	6.574	0.000	97	18805	2.00	1.94	
74 Toluene	92	6.708	6.708	0.000	98	8563	0.4000	0.3916	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	94	4781	0.4000	0.3607	
75 Ethyl methacrylate	69	6.921	6.921	0.000	87	3895	0.4000	0.3587	
79 1,1,2-Trichloroethane	83	7.074	7.074	0.000	86	2639	0.4000	0.3672	
81 Tetrachloroethene	166	7.129	7.129	0.000	85	3194	0.4000	0.3139	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	85	5321	0.4000	0.3881	
80 2-Hexanone	43	7.226	7.226	0.000	96	13006	2.00	1.86	
83 Chlorodibromomethane	129	7.391	7.391	0.000	86	3416	0.4000	0.3513	
84 Ethylene Dibromide	107	7.488	7.488	0.000	94	3512	0.4000	0.3708	
87 Chlorobenzene	112	7.842	7.842	0.000	93	10113	0.4000	0.3959	
88 Ethylbenzene	91	7.897	7.897	0.000	98	15557	0.4000	0.3728	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	92	3040	0.4000	0.3425	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	98	5703	0.4000	0.3551	
91 o-Xylene	106	8.323	8.324	-0.001	95	5727	0.4000	0.3651	
92 Styrene	104	8.342	8.342	0.000	95	9802	0.4000	0.3663	
95 Bromoform	173	8.561	8.561	0.000	87	2282	0.4000	0.3621	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	14346	0.4000	0.3596	
101 Bromobenzene	156	8.915	8.921	-0.006	91	4569	0.4000	0.3935	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	88	4573	0.4000	0.3858	
99 N-Propylbenzene	91	8.951	8.951	0.000	98	17560	0.4000	0.3569	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	66	810	0.4000	0.2376	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	88	919	0.4000	0.2861	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	3730	0.4000	0.3713	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	94	12184	0.4000	0.3573	
105 4-Chlorotoluene	126	9.146	9.147	-0.001	96	3841	0.4000	0.3658	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	2175	0.4000	0.3161	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	95	12269	0.4000	0.3462	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	94	14536	0.4000	0.3233	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	95	12664	0.4000	0.3298	
111 1,3-Dichlorobenzene	146	9.689	9.695	-0.006	95	8008	0.4000	0.3741	
113 1,4-Dichlorobenzene	146	9.768	9.768	0.000	0	8516	0.4000	0.3886	M
115 n-Butylbenzene	91	10.012	10.012	0.000	98	11945	0.4000	0.3372	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	95	8072	0.4000	0.3822	
117 1,2-Dibromo-3-Chloropropane	75	10.780	10.786	-0.006	75	594	0.4000	0.2997	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	91	5486	0.4000	0.3674	
120 Hexachlorobutadiene	225	11.512	11.518	-0.006	87	2268	0.4000	0.3065	
121 Naphthalene	128	11.640	11.640	0.000	96	14232	0.4000	0.3905	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	0	5336	0.4000	0.3771	M
S 124 Xylenes, Total	1				0			0.7202	
S 125 1,2-Dichloroethene, Total	1				0			0.7606	
S 126 1,3-Dichloropropene, Total	1				0			0.7295	
S 123 Total BTEX	1				0			1.87	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00195	Amount Added:	0.40	Units: uL	
GAS CORP mix_00421	Amount Added:	0.40	Units: uL	
D 8260 IS/SUR_00022	Amount Added:	1.00	Units: uL	Run Reagent

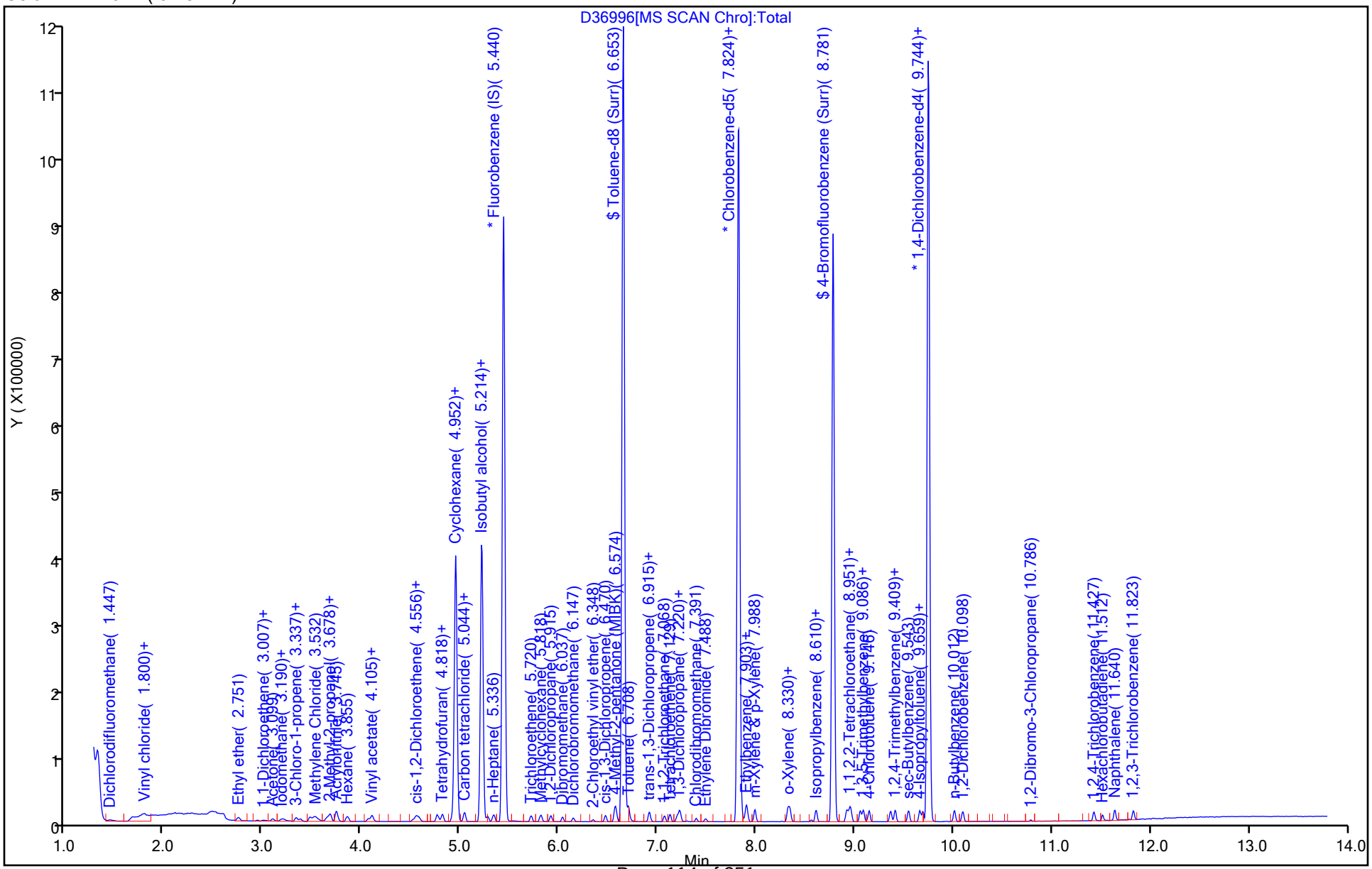
Report Date: 11-Oct-2020 11:14:45 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D

Injection Date:	10-Oct-2020 12:52:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 0.4			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

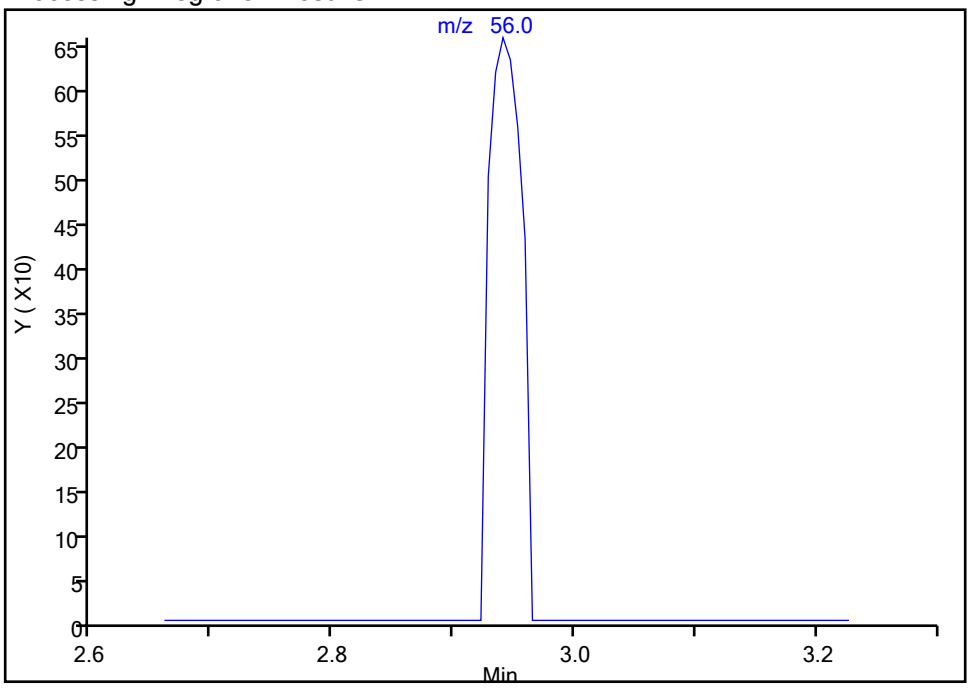
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

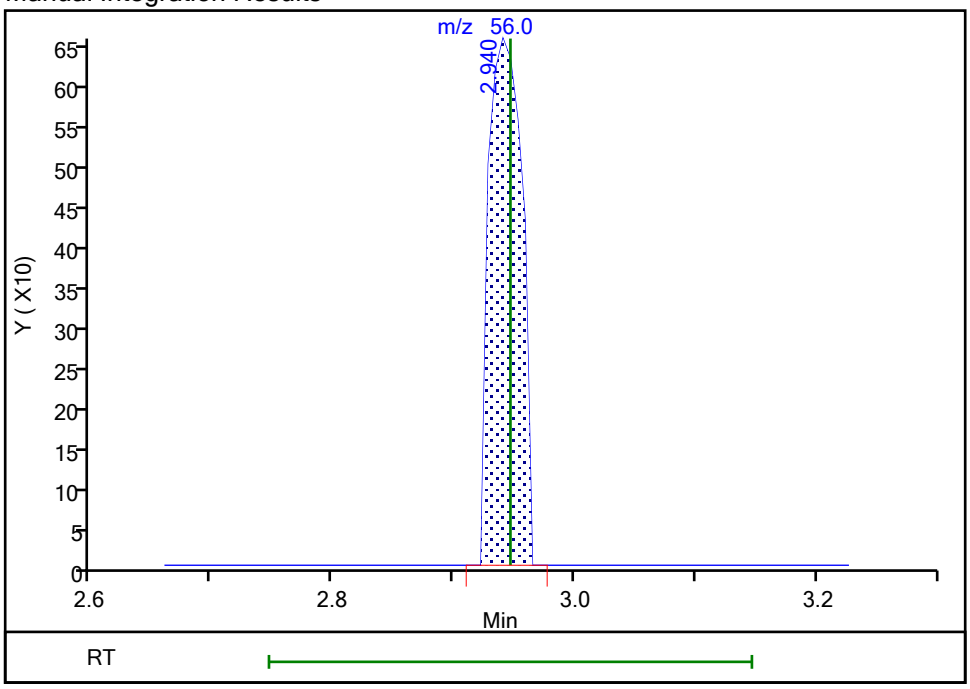
Not Detected
Expected RT: 2.95

Processing Integration Results



Manual Integration Results

RT: 2.94
Area: 1247
Amount: 1.812647
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:24:31
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

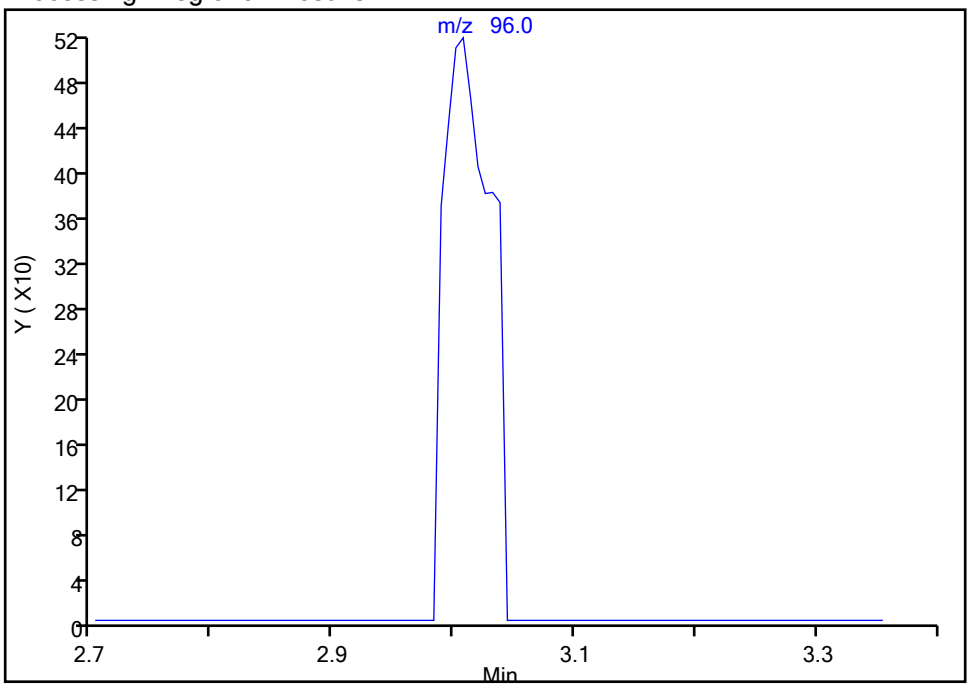
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

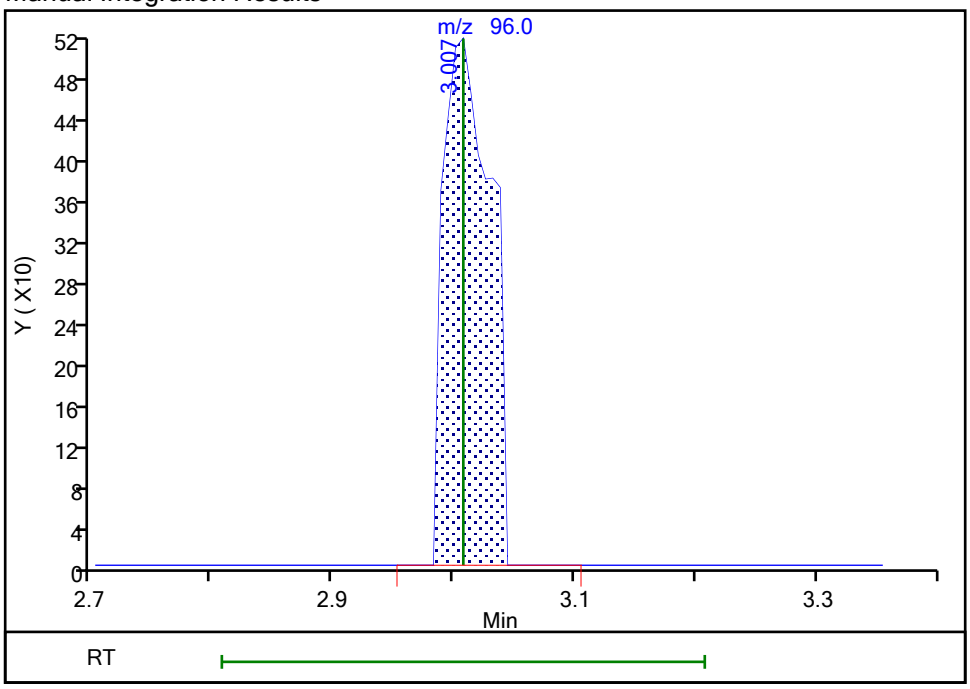
Not Detected
Expected RT: 3.01

Processing Integration Results



Manual Integration Results

RT: 3.01
Area: 1398
Amount: 0.189672
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:24:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

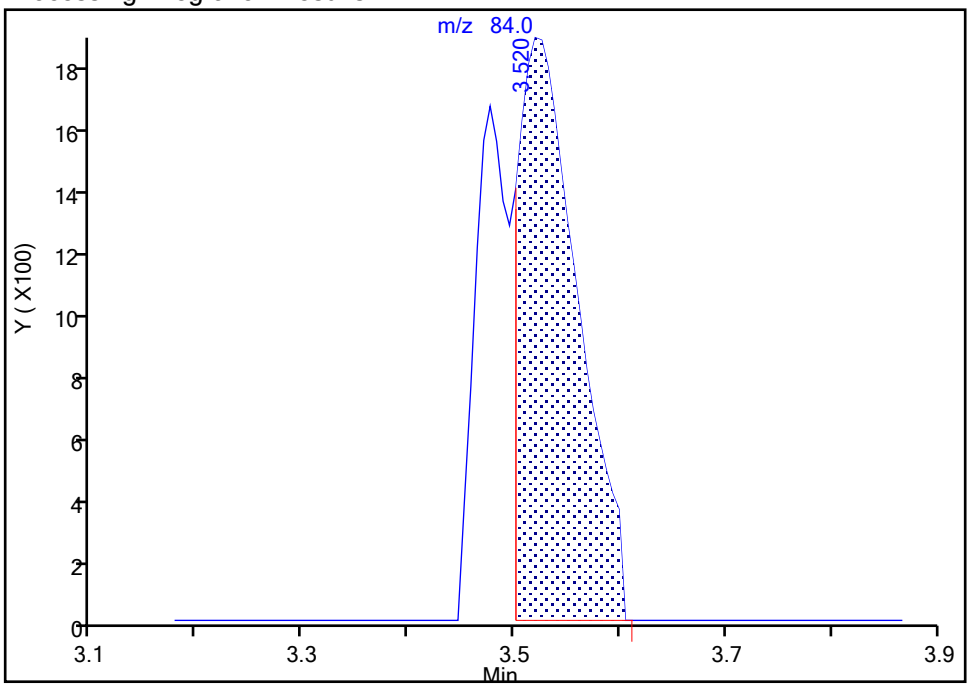
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

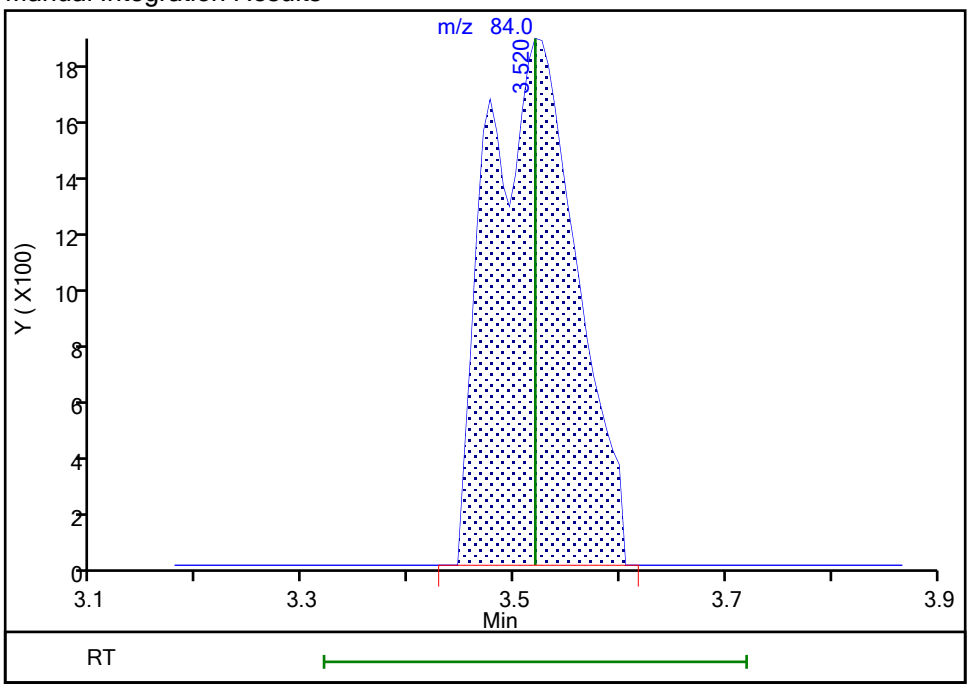
Processing Integration Results

RT: 3.52
Area: 7347
Amount: 0.609184
Amount Units: ug/L



Manual Integration Results

RT: 3.52
Area: 10888
Amount: 0.380545
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:24:52
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

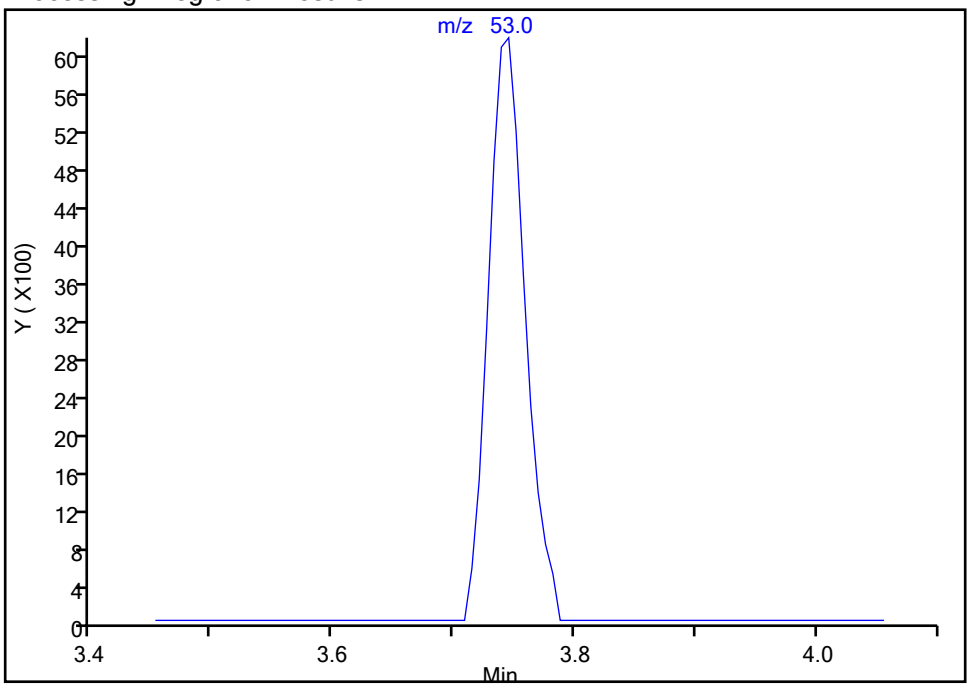
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

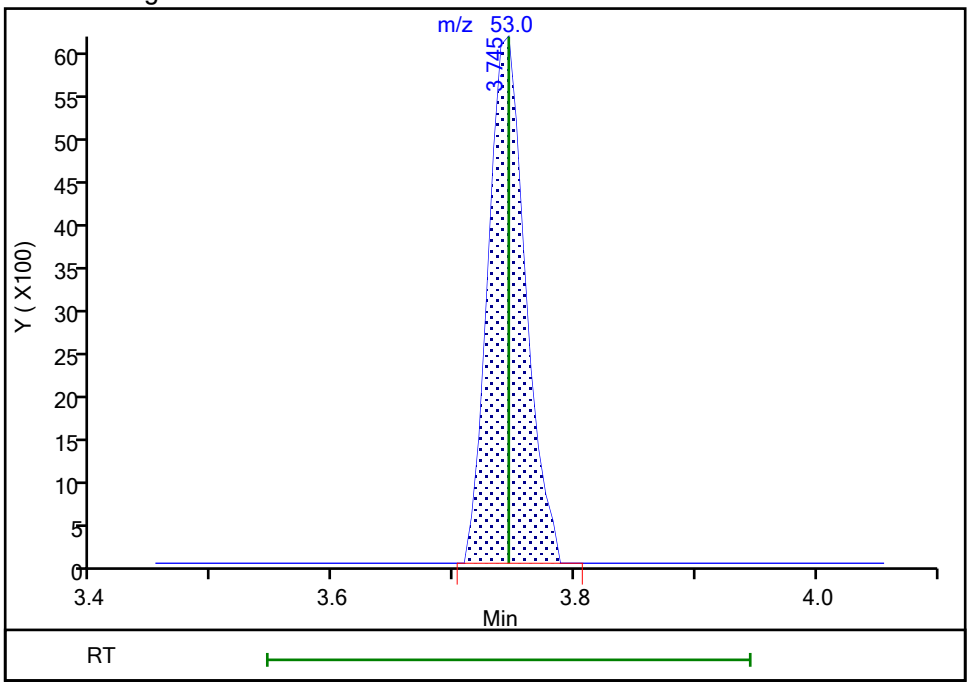
Not Detected
Expected RT: 3.75

Processing Integration Results



Manual Integration Results

RT: 3.75
Area: 13025
Amount: 3.898978
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:25:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

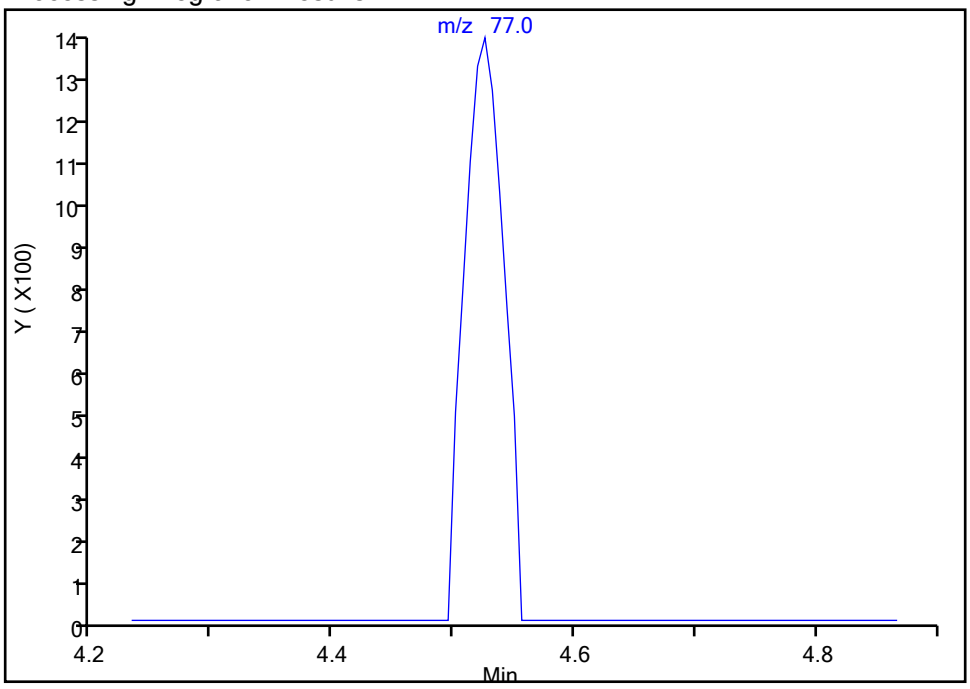
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

44 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

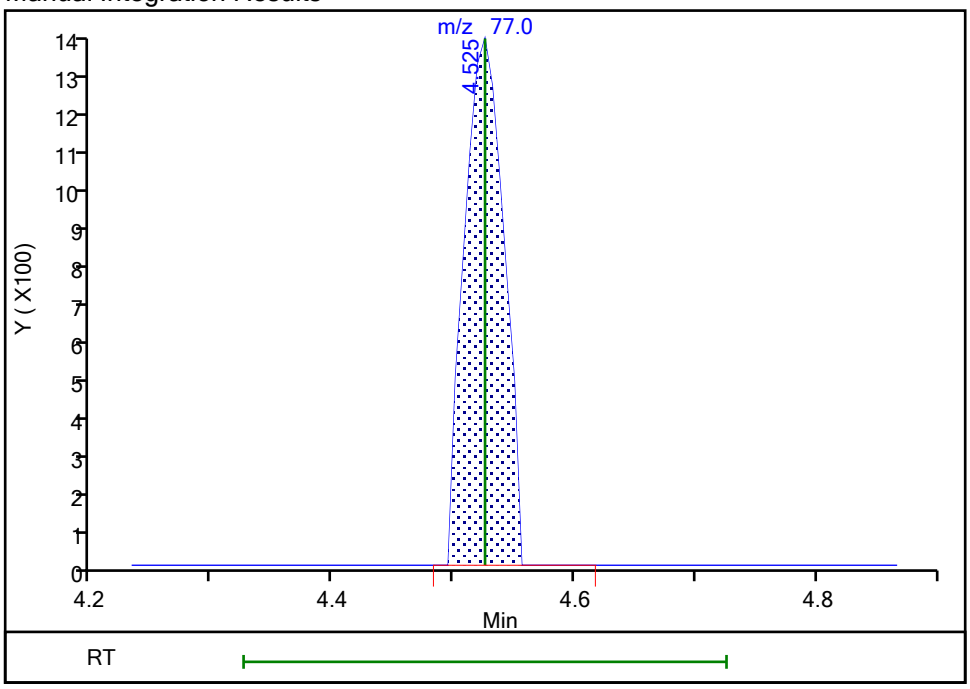
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.53
Area: 2966
Amount: 0.310214
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:25:15
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

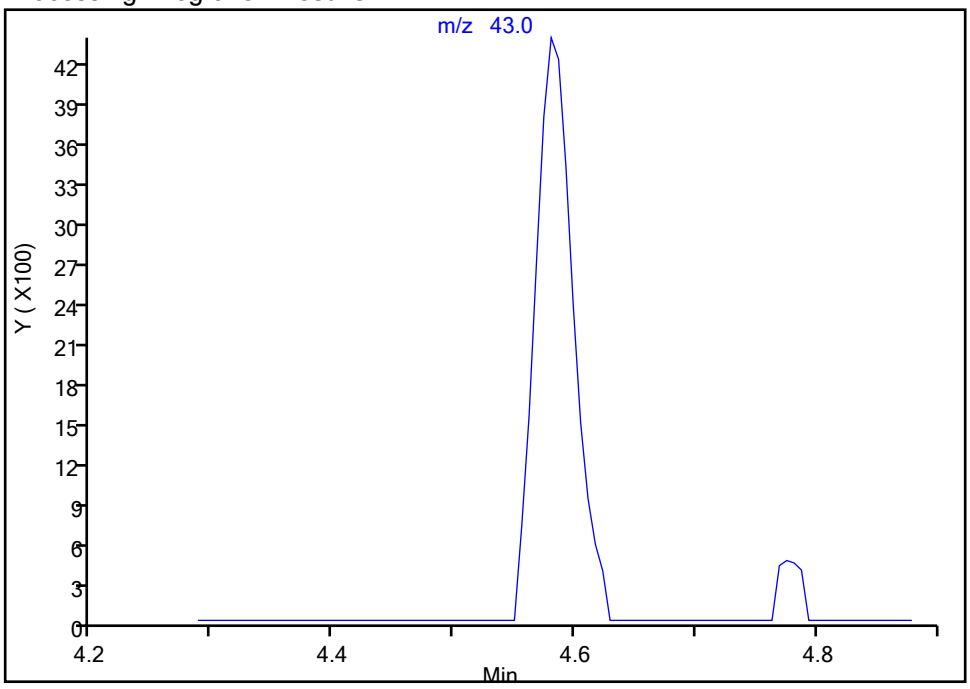
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

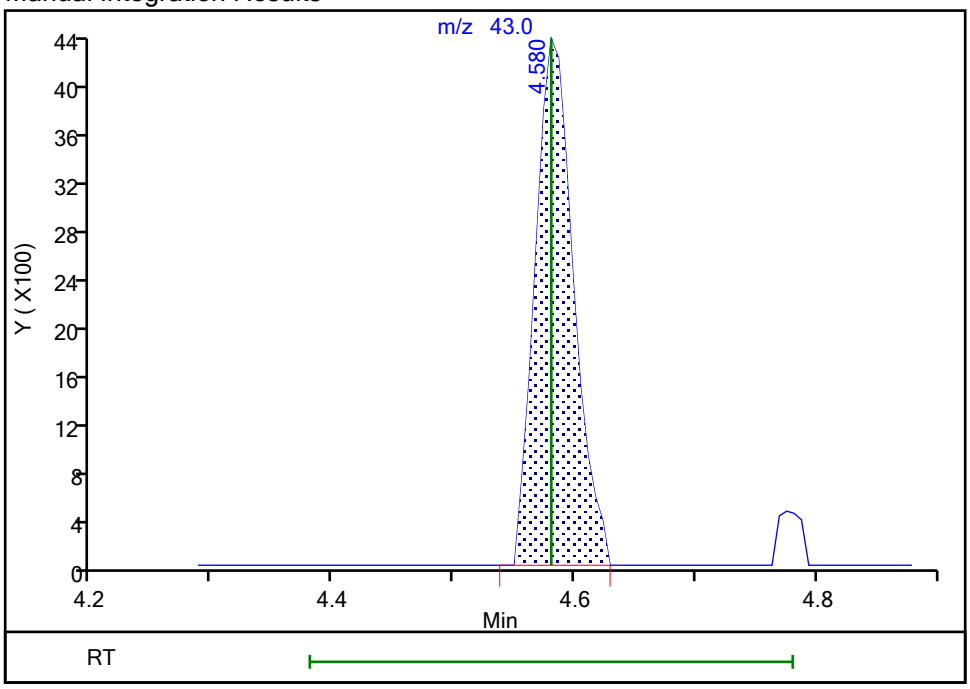
Not Detected
Expected RT: 4.58

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 9549
Amount: 2.051211
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:25:24
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

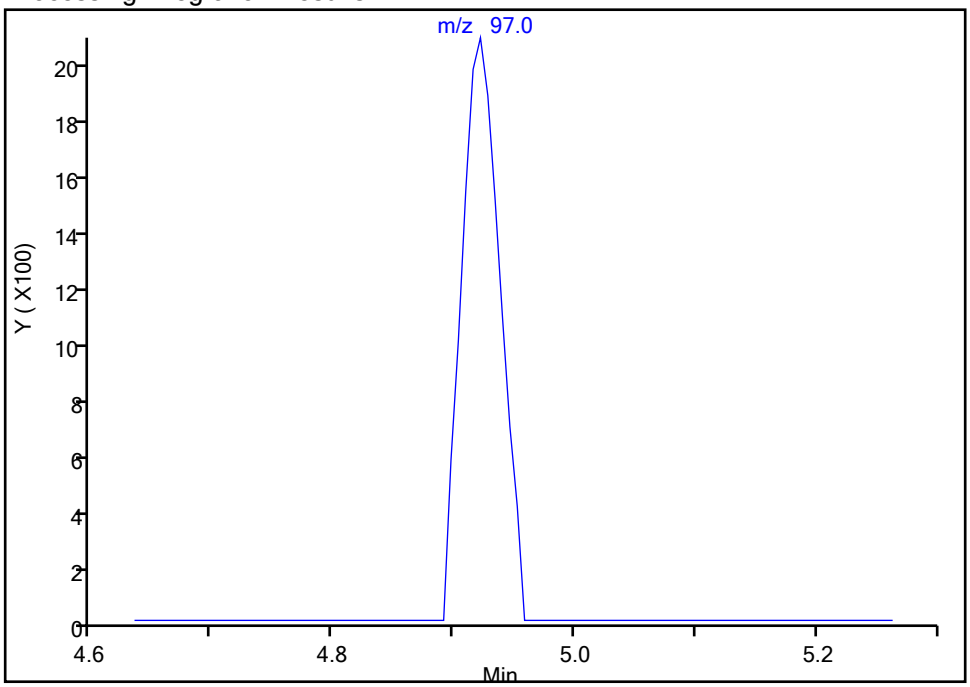
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

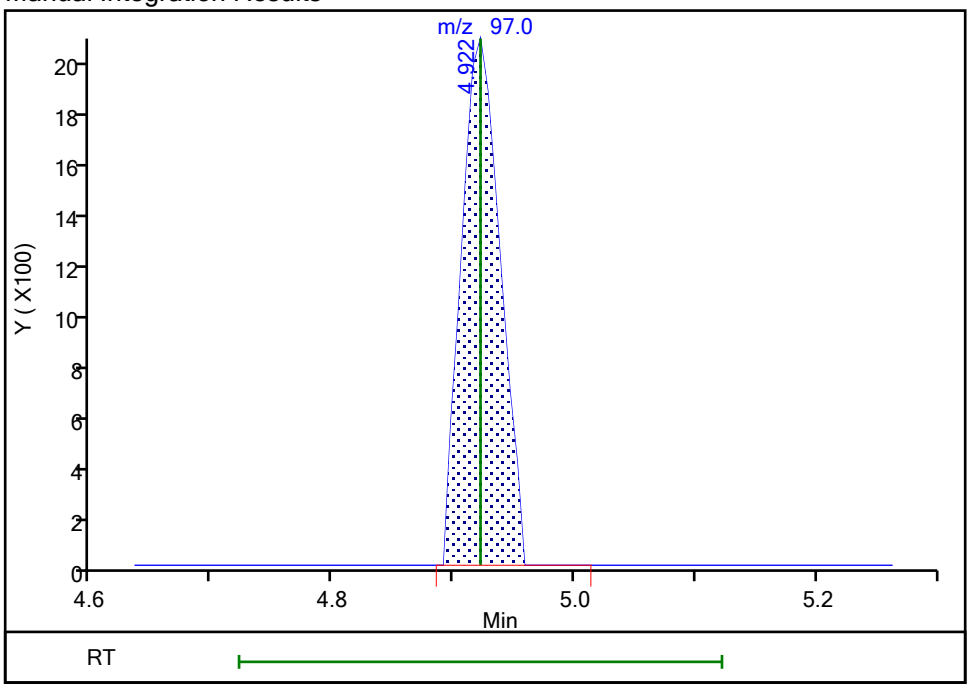
Not Detected
Expected RT: 4.92

Processing Integration Results



Manual Integration Results

RT: 4.92
Area: 4515
Amount: 0.336926
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:25:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

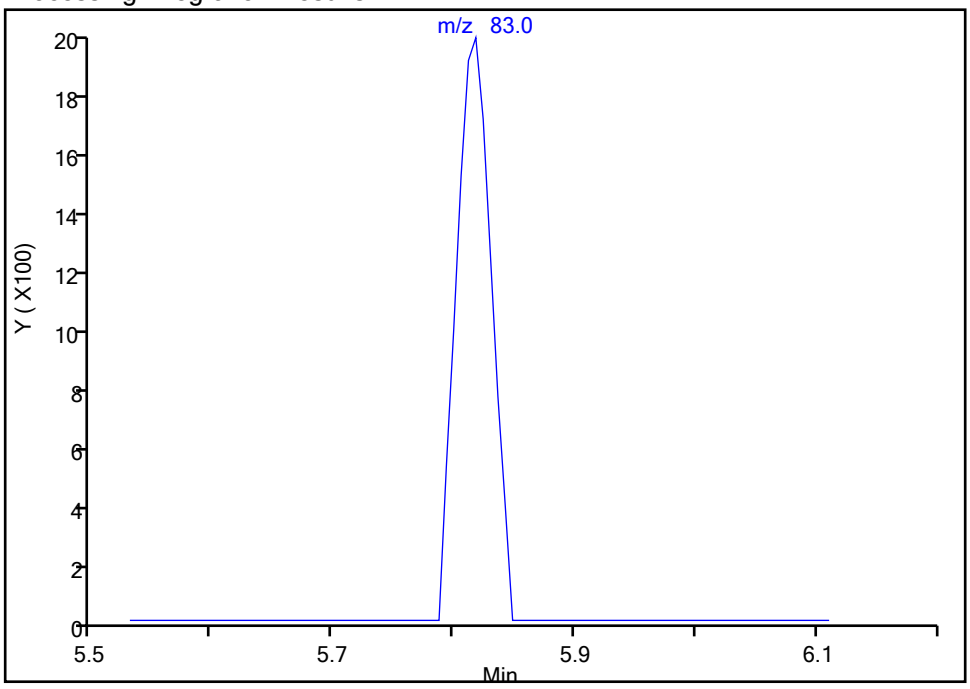
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

64 Methylcyclohexane, CAS: 108-87-2

Signal: 1

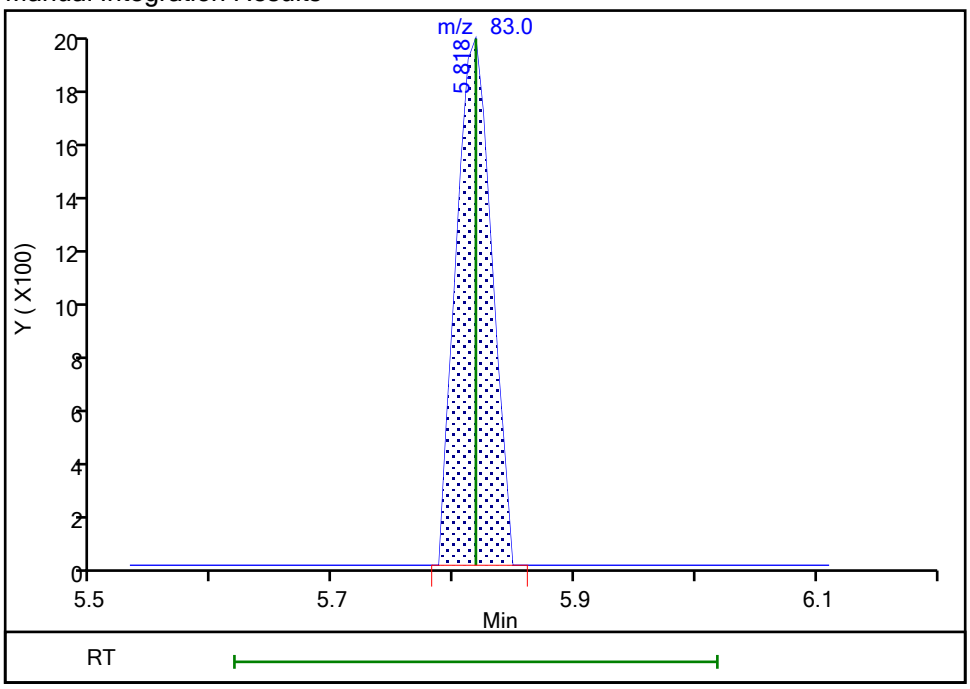
Not Detected
Expected RT: 5.82

Processing Integration Results



Manual Integration Results

RT: 5.82
Area: 4005
Amount: 0.281325
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:25:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

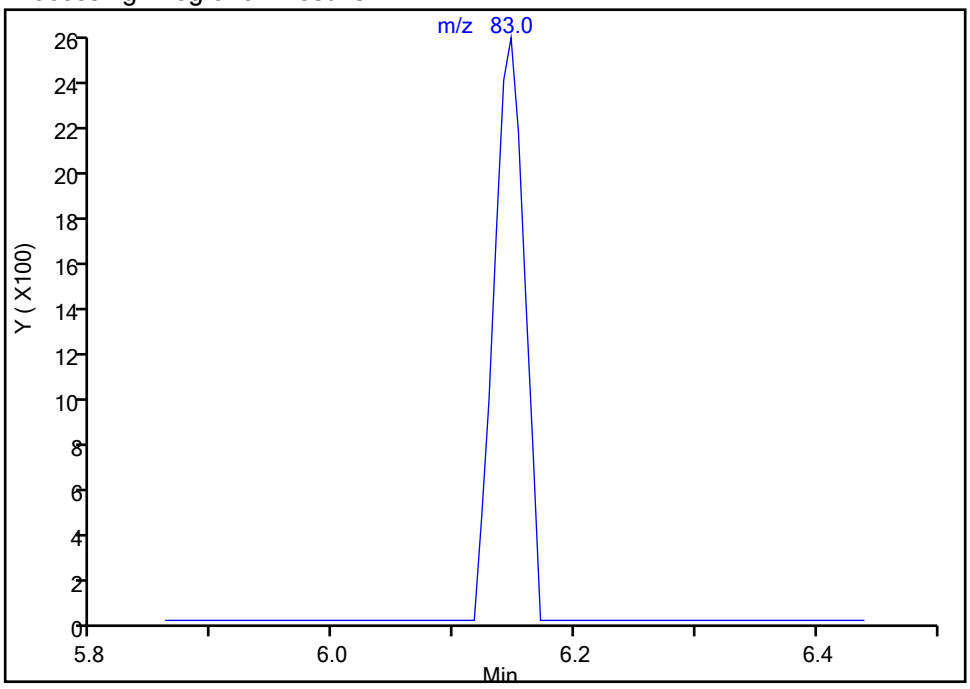
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

68 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

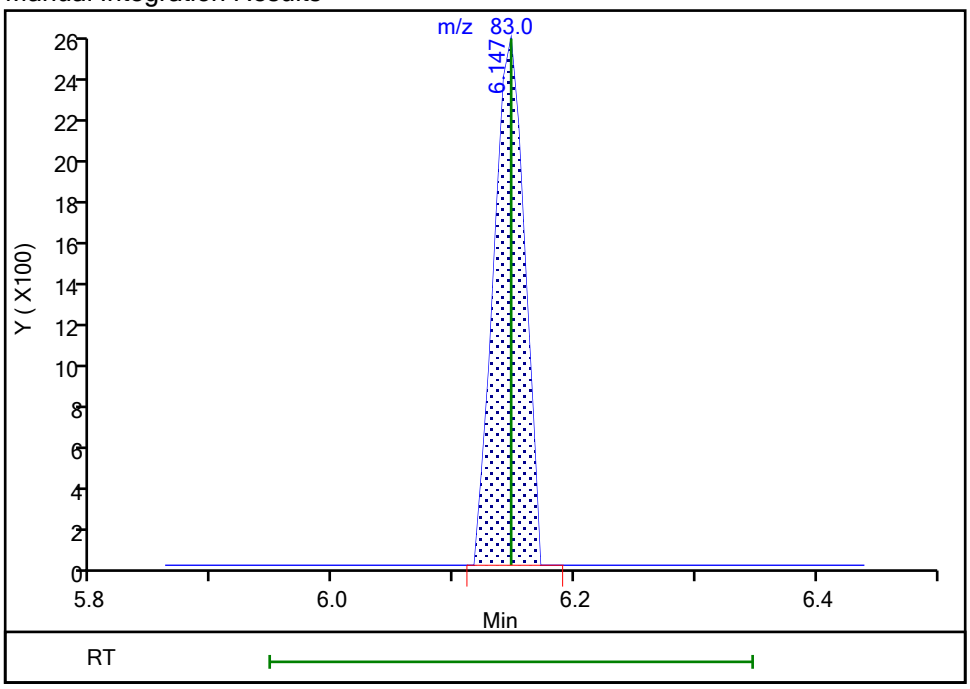
Not Detected
Expected RT: 6.15

Processing Integration Results



Manual Integration Results

RT: 6.15
Area: 4555
Amount: 0.367109
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:25:57
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

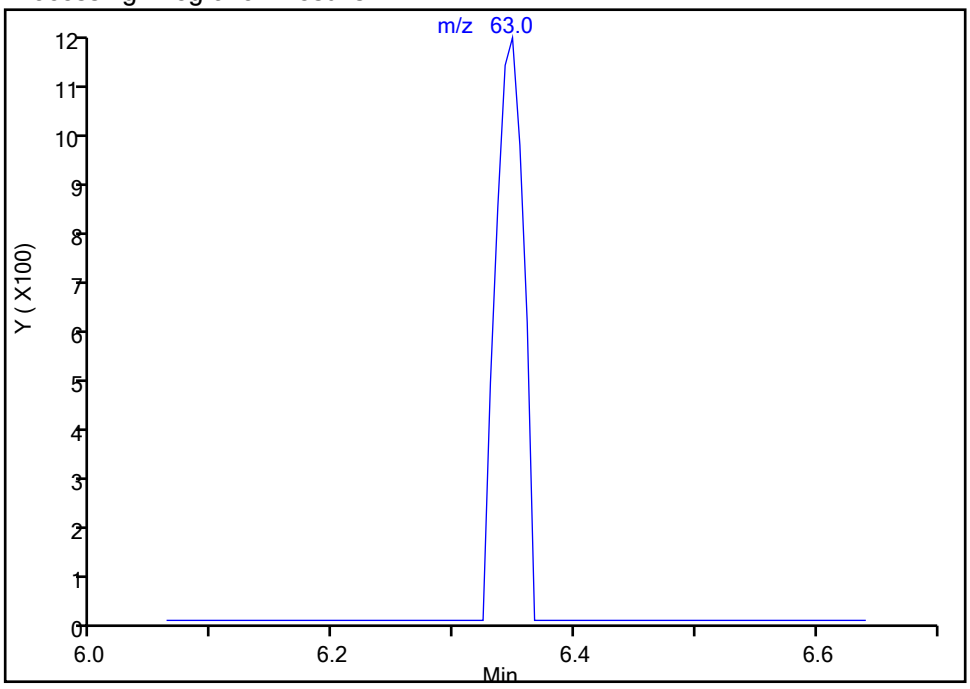
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

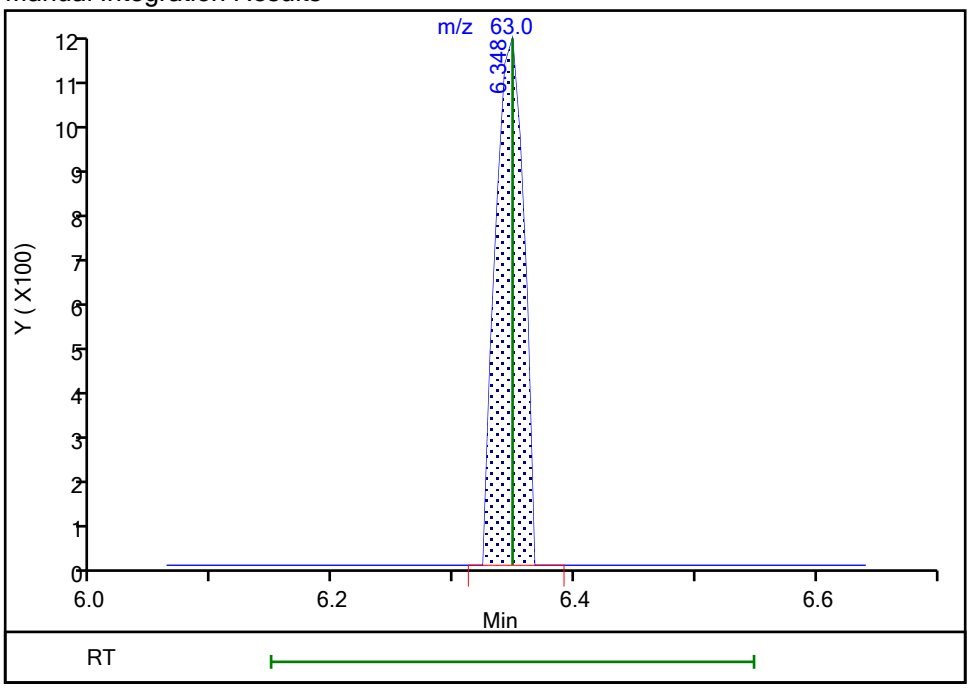
Not Detected
Expected RT: 6.35

Processing Integration Results



Manual Integration Results

RT: 6.35
Area: 1796
Amount: 0.324151
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:26:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

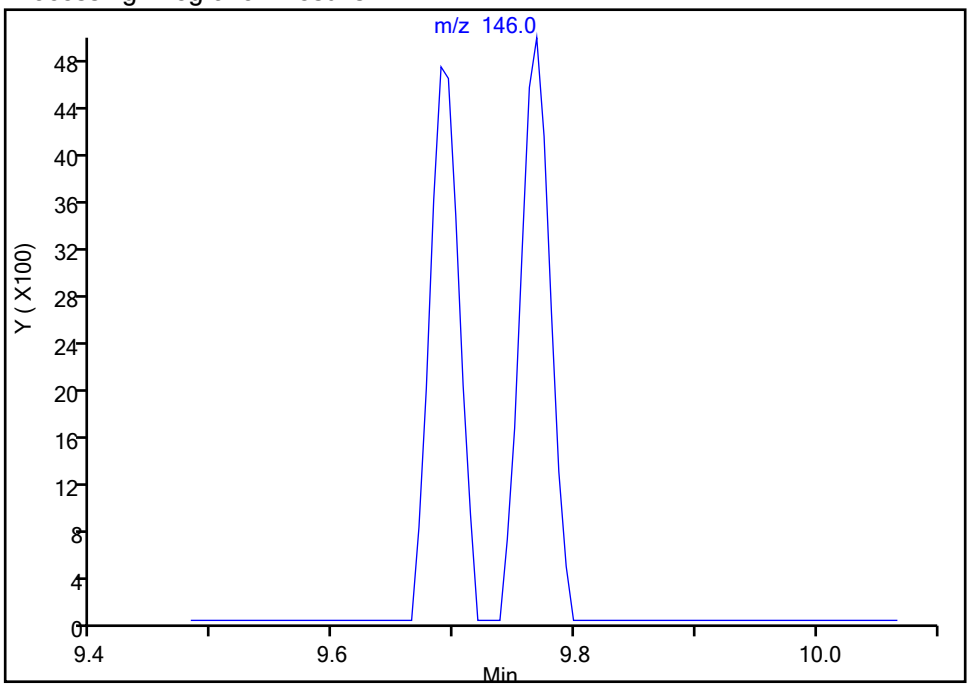
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

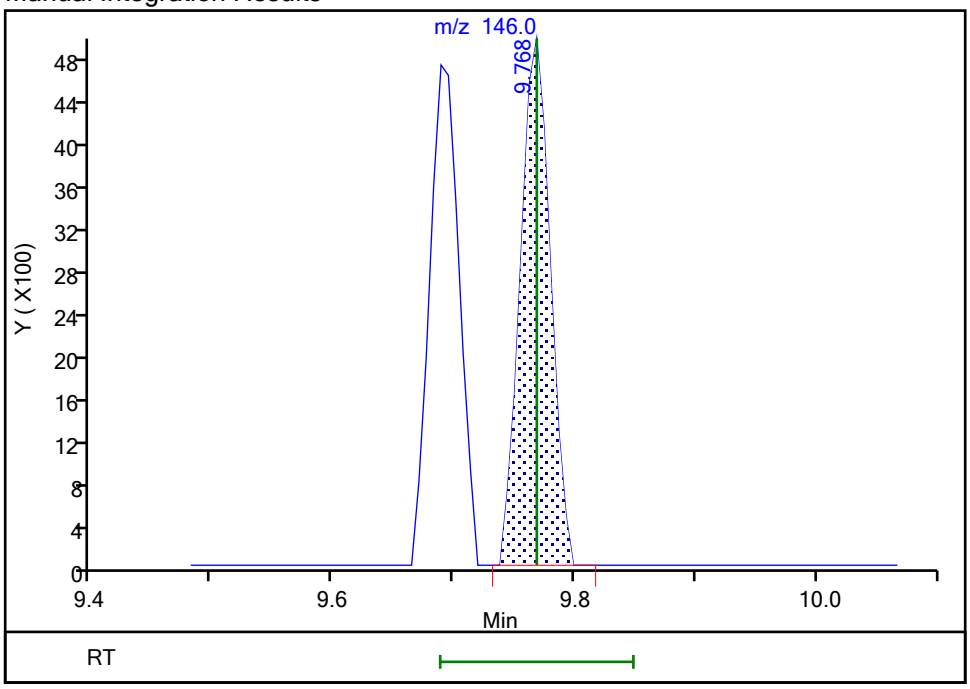
Not Detected
Expected RT: 9.77

Processing Integration Results



Manual Integration Results

RT: 9.77
Area: 8516
Amount: 0.388561
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:26:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

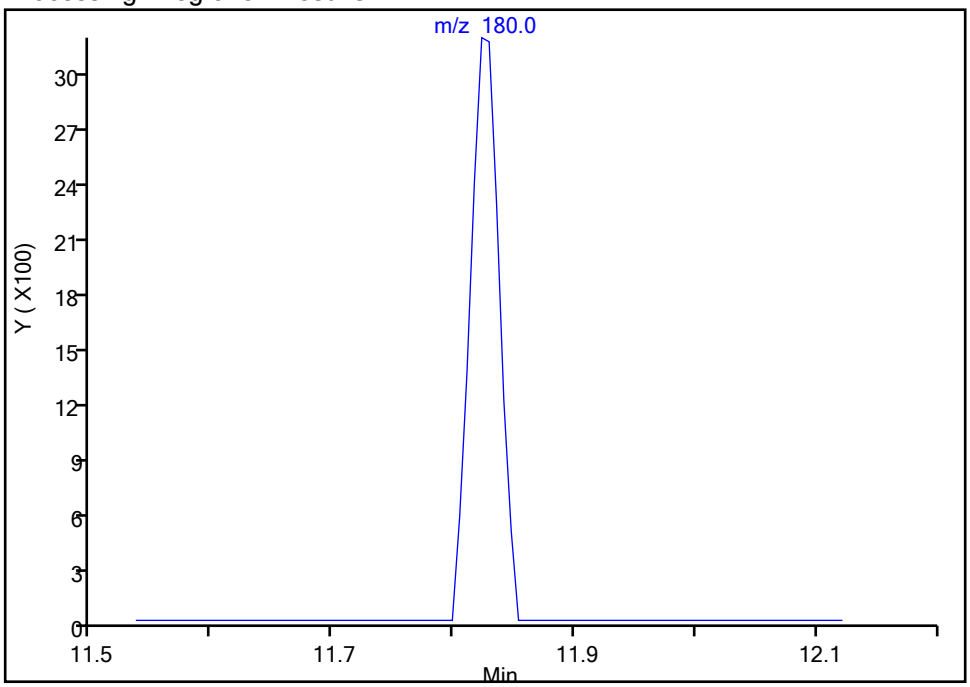
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36996.D
Injection Date: 10-Oct-2020 12:52:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

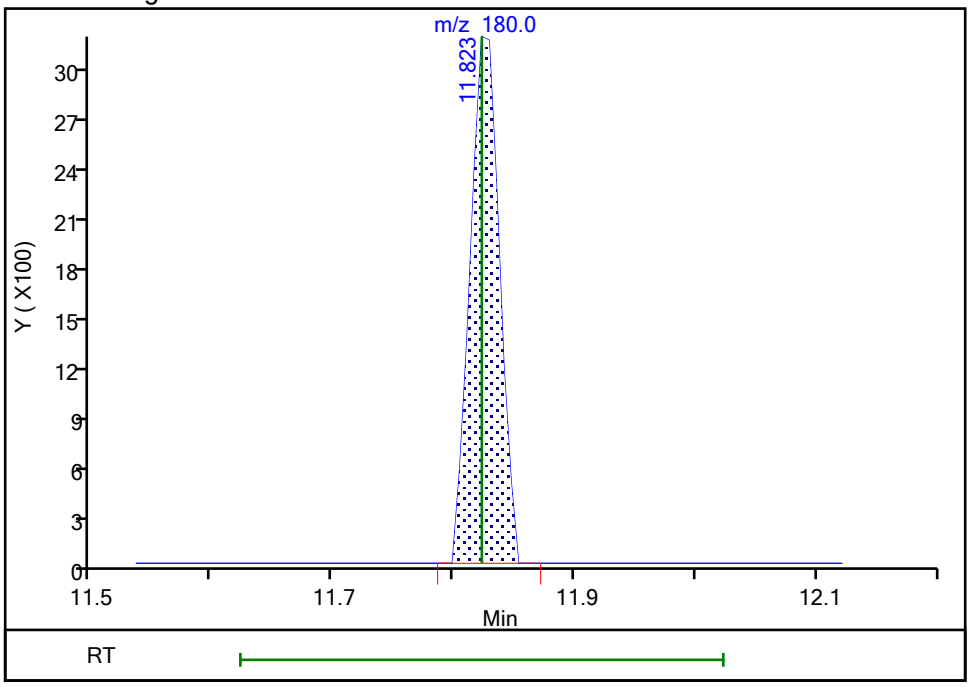
Not Detected
Expected RT: 11.82

Processing Integration Results



Manual Integration Results

RT: 11.82
Area: 5336
Amount: 0.377127
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:26:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36997.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 10-Oct-2020 13:16:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0094037-011
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:47 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:28:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.434	0.006	98	153462	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	326596	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	334325	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	93	230651	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.215	5.220	-0.005	99	136483	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	95	777437	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	267398	25.0	24.9	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	97	10515	1.00	1.00	
12 Chloromethane	50	1.654	1.666	-0.012	98	14098	1.00	1.09	
13 Vinyl chloride	62	1.764	1.770	-0.006	95	11966	1.00	1.05	
144 Butadiene	54	1.788	1.794	-0.006	88	10277	1.00	1.02	
14 Bromomethane	94	2.148	2.148	0.000	83	6331	1.00	0.9425	M
15 Chloroethane	64	2.258	2.245	0.013	93	8082	1.00	1.24	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	71	12761	1.00	0.9705	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	92	18757	1.00	1.15	
18 Ethyl ether	59	2.752	2.751	0.001	95	6884	1.00	0.9734	
20 Acrolein	56	2.941	2.947	-0.006	95	3471	5.00	5.19	a
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.989	0.000	78	5934	1.00	0.7938	M
22 1,1-Dichloroethene	96	3.002	3.008	-0.006	94	6210	1.00	0.8673	
23 Acetone	43	3.093	3.099	-0.006	98	15957	5.00	5.55	
25 Iodomethane	142	3.184	3.184	0.000	97	14171	1.00	0.9619	
26 Carbon disulfide	76	3.197	3.203	-0.006	99	25567	1.00	1.00	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	86	14247	1.00	1.04	
27 Methyl acetate	43	3.373	3.379	-0.006	99	14323	2.00	2.12	
30 Methylene Chloride	84	3.526	3.520	0.006	97	15453	1.00	0.9313	
31 2-Methyl-2-propanol	59	3.629	3.629	0.000	98	9164	10.0	10.1	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	99	22294	1.00	0.9749	
34 trans-1,2-Dichloroethene	96	3.684	3.690	-0.006	95	7803	1.00	0.9513	
33 Acrylonitrile	53	3.739	3.745	-0.006	98	32925	10.0	10.1	a
35 Hexane	57	3.855	3.855	0.000	94	11860	1.00	1.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	96	15538	1.00	1.00	
37 Vinyl acetate	43	4.105	4.105	0.000	97	37093	2.00	1.87	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	90	8967	1.00	0.9654	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	80	9519	1.00	1.01	
43 2-Butanone (MEK)	43	4.581	4.580	0.000	99	22900	5.00	5.06	
48 Chlorobromomethane	128	4.763	4.763	0.000	95	5201	1.00	0.9831	
49 Tetrahydrofuran	42	4.776	4.775	0.001	85	6806	2.00	2.35	
50 Chloroform	83	4.818	4.818	0.000	96	18317	1.00	1.08	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	97	12467	1.00	0.9577	
52 Cyclohexane	56	4.928	4.928	0.000	94	12405	1.00	0.8670	
55 Carbon tetrachloride	117	5.038	5.038	0.000	97	10383	1.00	0.8858	
54 1,1-Dichloropropene	75	5.044	5.044	0.000	90	11613	1.00	1.00	
53 Isobutyl alcohol	43	5.208	5.202	0.006	94	9528	25.0	25.2	
57 Benzene	78	5.221	5.220	0.001	93	33599	1.00	1.01	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	97	14504	1.00	1.04	
59 n-Heptane	43	5.336	5.342	-0.006	91	14051	1.00	1.04	
62 Trichloroethene	95	5.714	5.720	-0.006	96	9351	1.00	1.01	
64 Methylcyclohexane	83	5.818	5.818	0.000	94	12791	1.00	0.9249	
65 1,2-Dichloropropane	63	5.916	5.922	-0.006	89	9021	1.00	1.00	
66 1,4-Dioxane	88	6.025	6.025	0.000	0	848	20.0	28.4	M
67 Dibromomethane	93	6.038	6.037	0.001	96	6408	1.00	1.00	
68 Dichlorobromomethane	83	6.147	6.147	0.000	97	11451	1.00	0.9500	
69 2-Chloroethyl vinyl ether	63	6.348	6.348	0.000	88	4843	1.00	0.8998	
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	91	12950	1.00	0.9366	
73 4-Methyl-2-pentanone (MIBK)	43	6.574	6.574	0.000	98	47110	5.00	4.93	
74 Toluene	92	6.702	6.708	-0.006	98	20928	1.00	0.9728	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	96	11444	1.00	0.8774	
75 Ethyl methacrylate	69	6.922	6.921	0.001	93	9472	1.00	0.8866	
79 1,1,2-Trichloroethane	83	7.068	7.074	-0.006	91	6799	1.00	0.9616	
81 Tetrachloroethene	166	7.129	7.129	0.000	95	9759	1.00	0.9748	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	96	13406	1.00	0.99	
80 2-Hexanone	43	7.226	7.226	0.000	99	32918	5.00	4.78	
83 Chlorodibromomethane	129	7.391	7.391	0.000	88	8552	1.00	0.8938	
84 Ethylene Dibromide	107	7.488	7.488	0.000	97	9011	1.00	0.9668	
87 Chlorobenzene	112	7.842	7.842	0.000	97	25422	1.00	1.01	
88 Ethylbenzene	91	7.897	7.897	0.000	98	39684	1.00	0.9666	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	90	8189	1.00	0.9378	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	98	15899	1.00	1.01	
91 o-Xylene	106	8.324	8.324	0.000	97	15090	1.00	0.9776	
92 Styrene	104	8.342	8.342	0.000	95	25020	1.00	0.9503	
95 Bromoform	173	8.561	8.561	0.000	90	5033	1.00	0.8116	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	39362	1.00	0.9880	
101 Bromobenzene	156	8.915	8.921	-0.006	93	11586	1.00	1.00	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	94	11430	1.00	0.9657	
99 N-Propylbenzene	91	8.952	8.951	0.001	98	48254	1.00	0.9822	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	76	2754	1.00	0.8089	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	90	3209	1.00	1.00	
103 2-Chlorotoluene	126	9.055	9.055	0.000	96	9989	1.00	1.00	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	94	33422	1.00	0.9814	
105 4-Chlorotoluene	126	9.147	9.147	0.000	97	10747	1.00	1.03	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	6528	1.00	0.9500	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	97	33829	1.00	0.9558	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	43399	1.00	0.9665	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	36265	1.00	0.9458	
111 1,3-Dichlorobenzene	146	9.689	9.695	-0.006	98	21505	1.00	1.01	
113 1,4-Dichlorobenzene	146	9.769	9.768	0.001	93	21826	1.00	1.00	
115 n-Butylbenzene	91	10.012	10.012	0.000	98	34630	1.00	0.9790	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	97	21060	1.00	1.00	
117 1,2-Dibromo-3-Chloropropane	75	10.787	10.786	0.001	77	1654	1.00	0.8357	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	95	14166	1.00	0.9500	
120 Hexachlorobutadiene	225	11.512	11.518	-0.006	95	7133	1.00	0.9653	
121 Naphthalene	128	11.640	11.640	0.000	98	35061	1.00	0.9633	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	92	13513	1.00	0.9564	
S 124 Xylenes, Total	1				0			1.98	
S 125 1,2-Dichloroethene, Total	1				0			1.96	
S 126 1,3-Dichloropropene, Total	1				0			1.81	
S 123 Total BTEX	1				0			4.93	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00195	Amount Added:	1.00	Units: uL	
GAS CORP mix_00421	Amount Added:	1.00	Units: uL	
D 8260 IS/SUR_00022	Amount Added:	1.00	Units: uL	Run Reagent

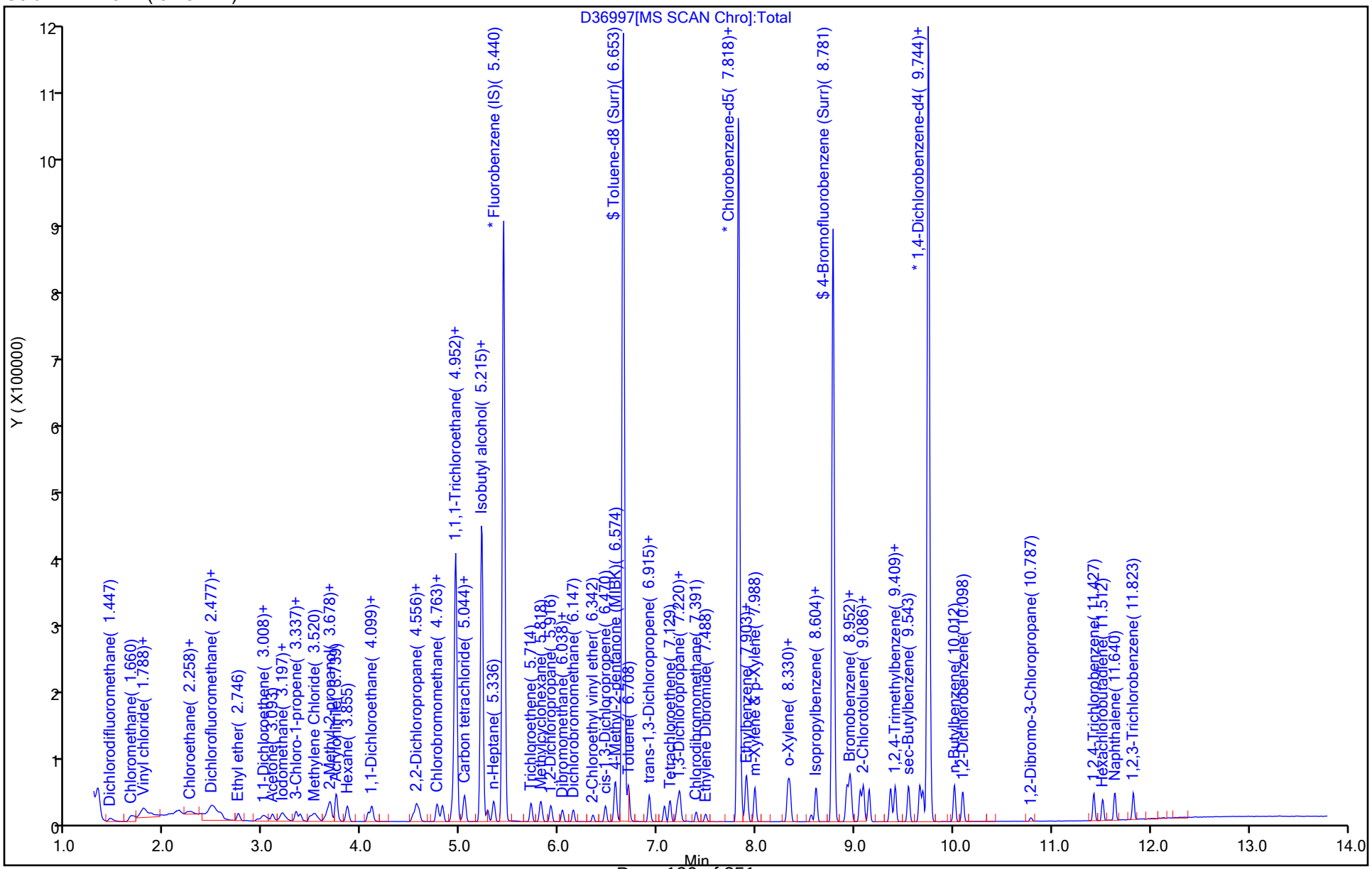
Report Date: 11-Oct-2020 11:14:48 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36997.D

Injection Date:	10-Oct-2020 13:16:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

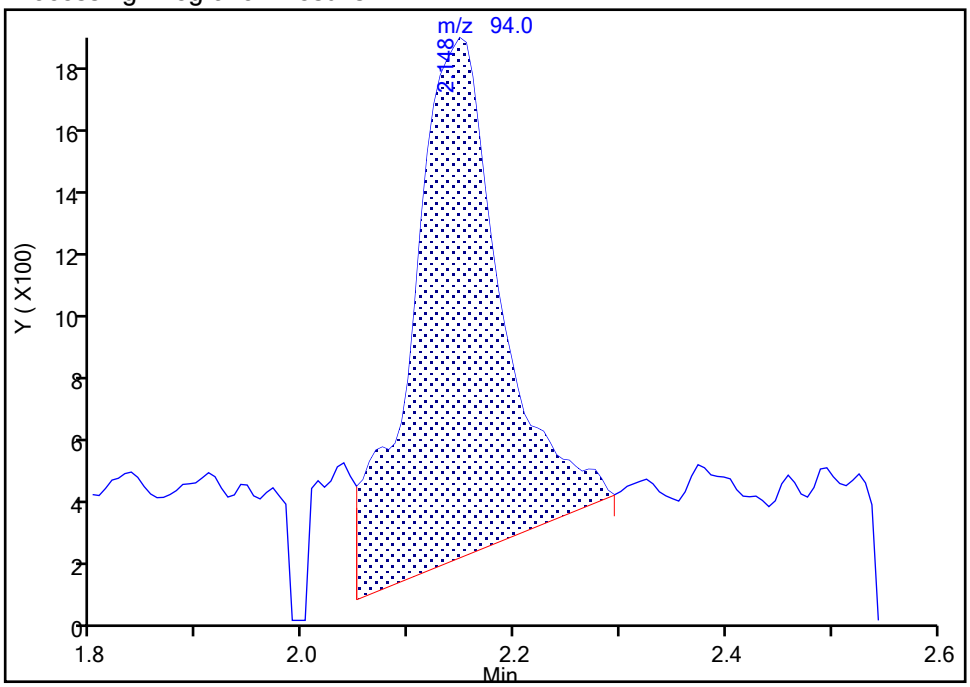
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36997.D
Injection Date: 10-Oct-2020 13:16:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

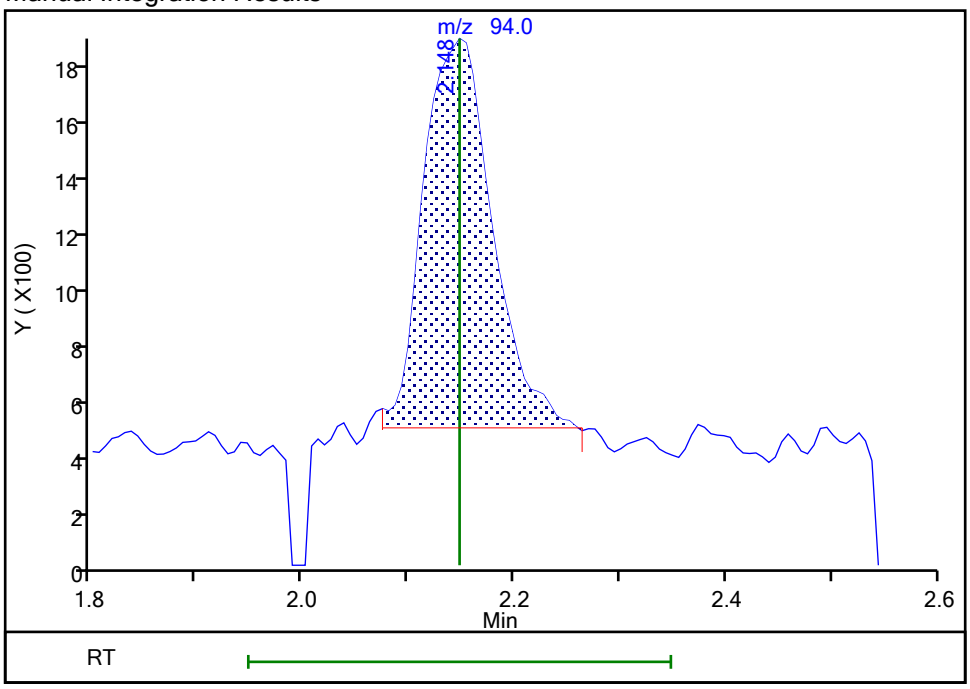
Processing Integration Results

RT: 2.15
Area: 10100
Amount: 1.356040
Amount Units: ug/L



Manual Integration Results

RT: 2.15
Area: 6331
Amount: 0.942515
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:27:32
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

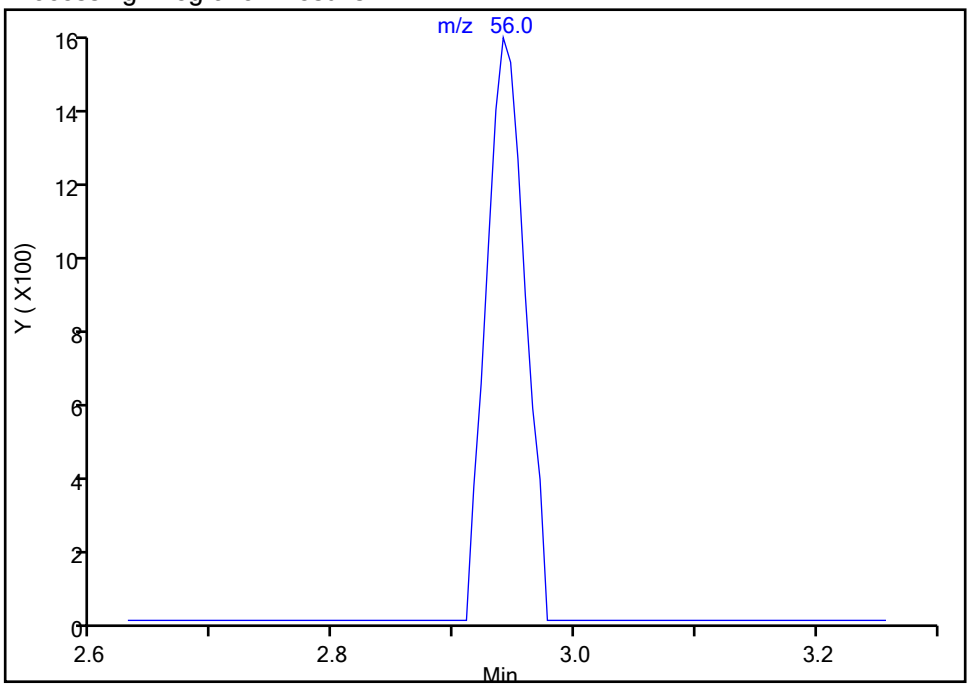
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36997.D
Injection Date: 10-Oct-2020 13:16:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

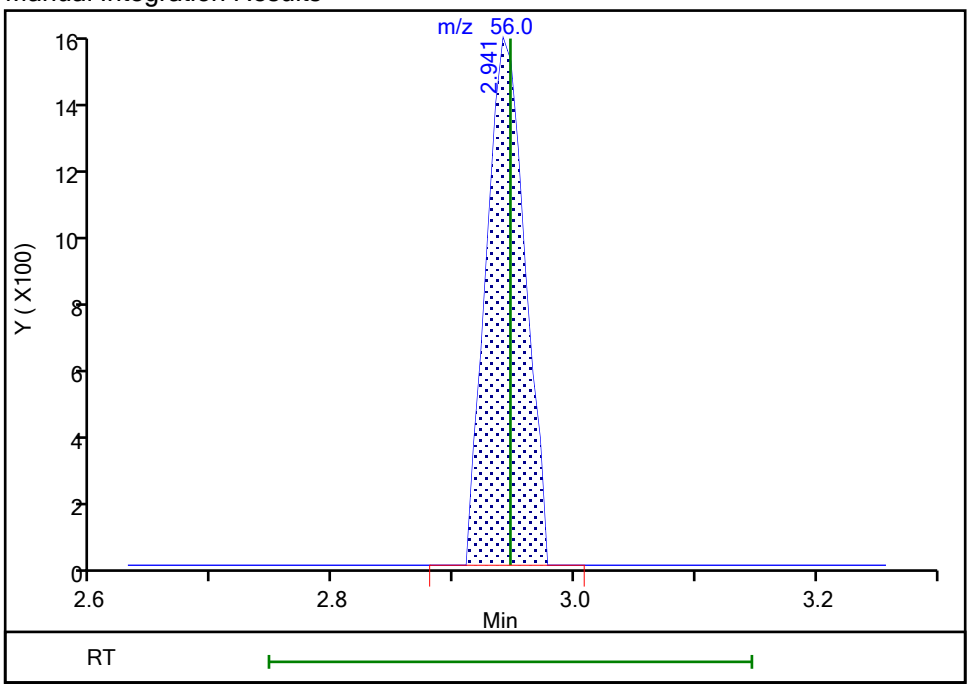
Not Detected
Expected RT: 2.95

Processing Integration Results



Manual Integration Results

RT: 2.94
Area: 3471
Amount: 5.193845
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:27:43
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

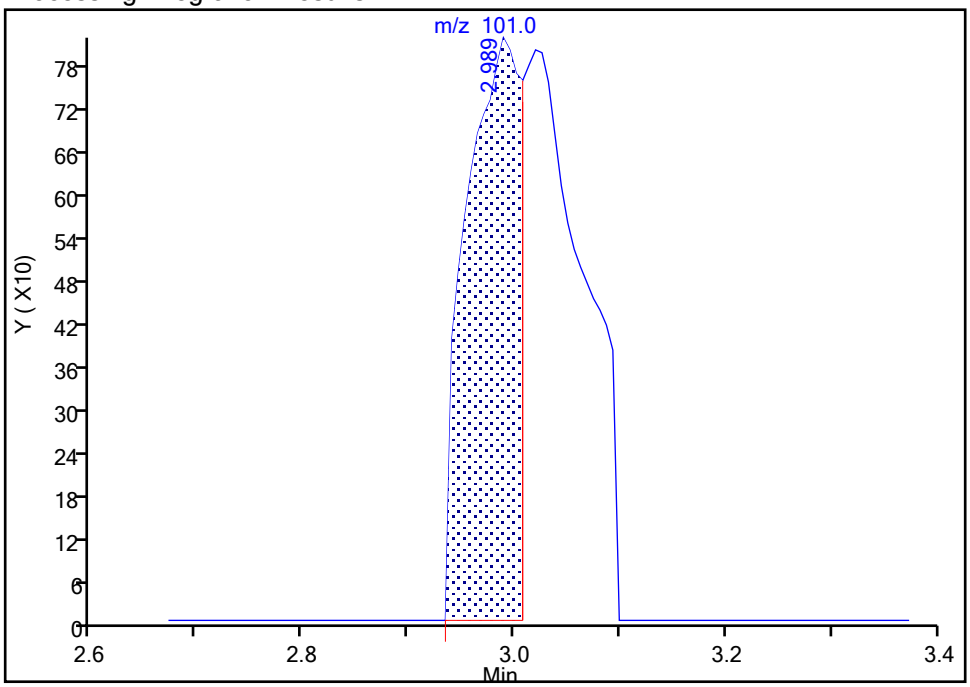
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36997.D
Injection Date: 10-Oct-2020 13:16:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

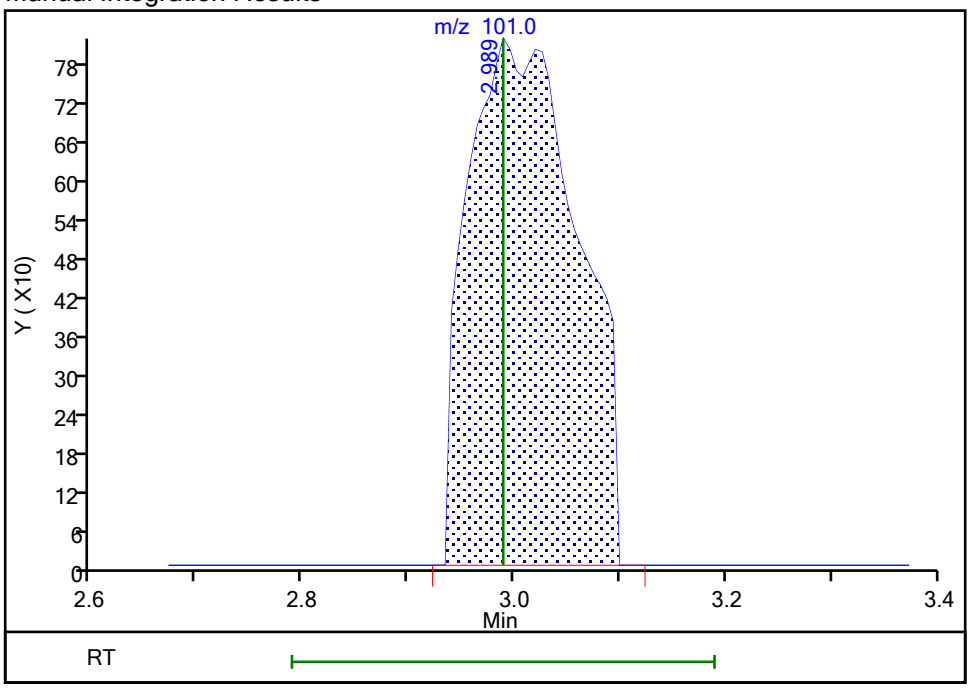
Processing Integration Results

RT: 2.99
Area: 2961
Amount: 0.767487
Amount Units: ug/L



Manual Integration Results

RT: 2.99
Area: 5934
Amount: 0.793776
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:27:54
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

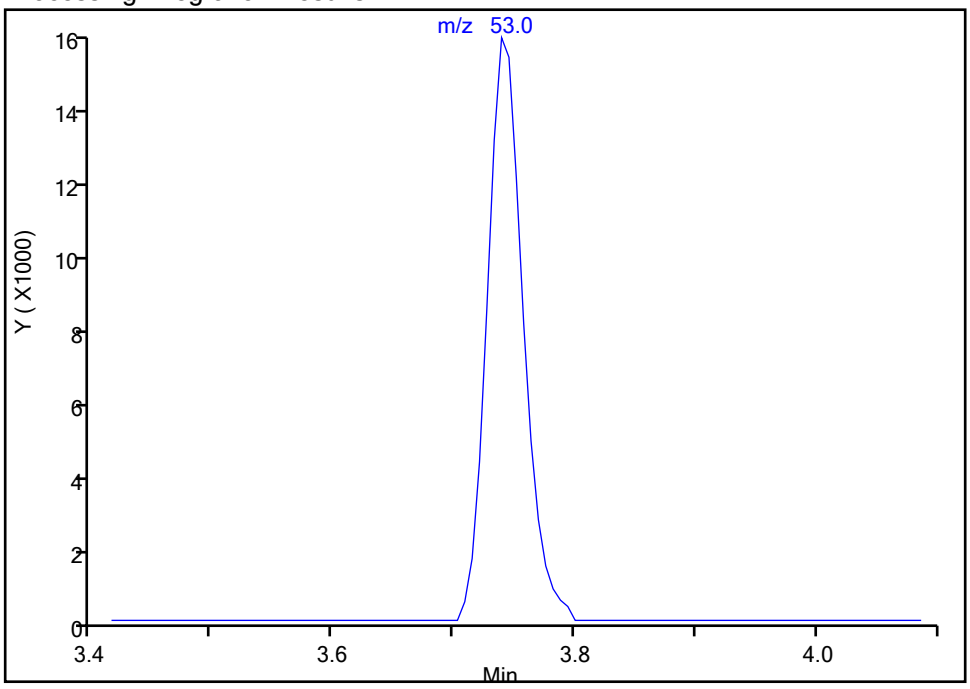
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36997.D
Injection Date: 10-Oct-2020 13:16:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

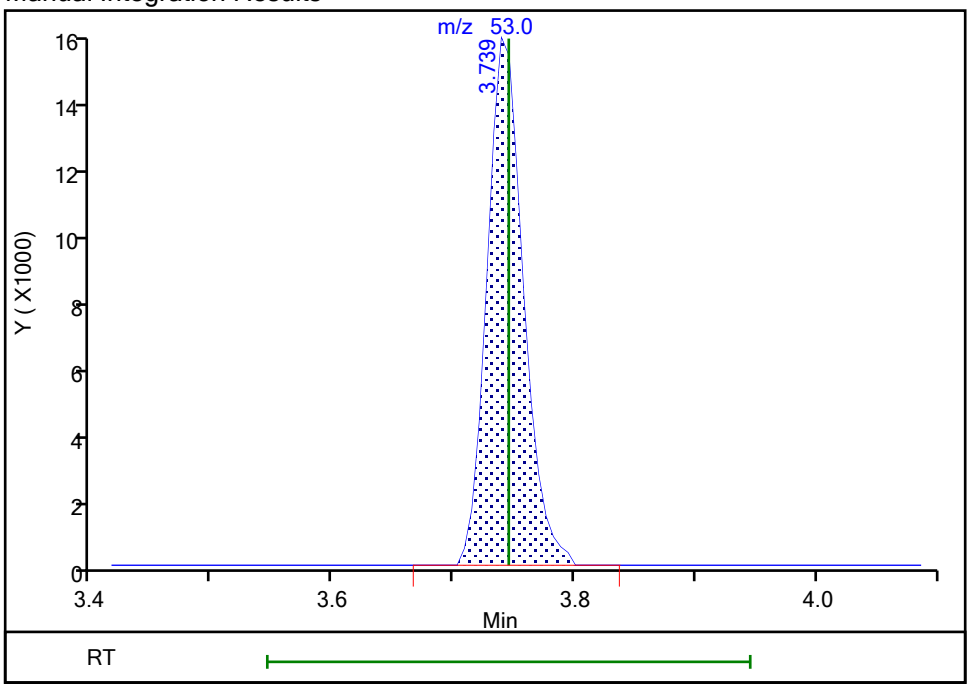
Not Detected
Expected RT: 3.75

Processing Integration Results



Manual Integration Results

RT: 3.74
Area: 32925
Amount: 10.145800
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:28:06
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

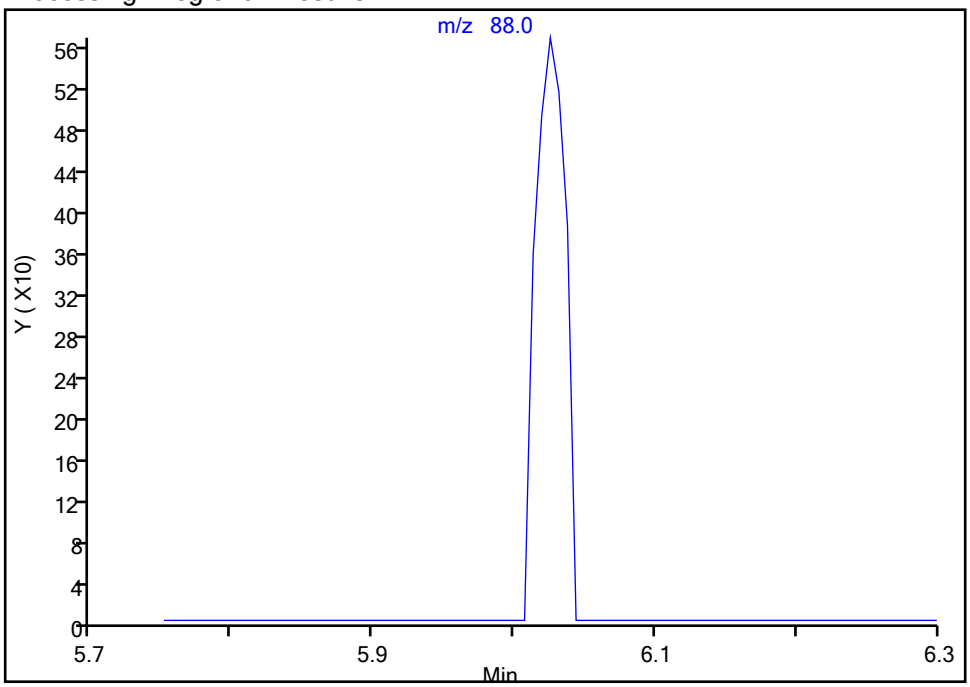
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36997.D
Injection Date: 10-Oct-2020 13:16:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

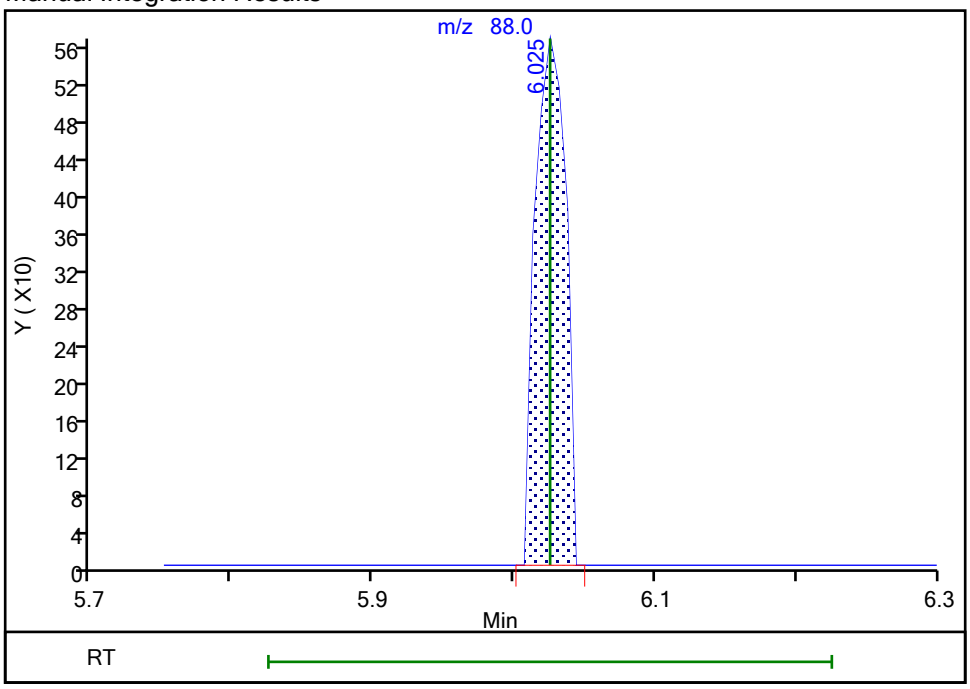
Not Detected
Expected RT: 6.03

Processing Integration Results



Manual Integration Results

RT: 6.03
Area: 848
Amount: 28.359415
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:28:25
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36998.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 10-Oct-2020 13:39:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0094037-012
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:50 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:30:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.434	0.006	98	155494	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	327245	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	327640	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	93	232203	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.214	5.220	-0.006	100	136946	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	96	775784	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	91	264712	25.0	24.6	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	98	21109	2.00	1.98	
12 Chloromethane	50	1.660	1.666	-0.006	98	27491	2.00	2.10	
13 Vinyl chloride	62	1.764	1.770	-0.006	97	24919	2.00	2.15	
144 Butadiene	54	1.788	1.794	-0.006	94	20003	2.00	1.97	
14 Bromomethane	94	2.142	2.148	-0.006	94	13717	2.00	2.02	
15 Chloroethane	64	2.246	2.245	0.001	97	14644	2.00	2.22	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	96	26654	2.00	2.00	
16 Dichlorofluoromethane	67	2.471	2.477	-0.006	96	35449	2.00	2.15	
18 Ethyl ether	59	2.752	2.751	0.001	96	15032	2.00	2.10	
20 Acrolein	56	2.947	2.947	0.000	97	6691	10.0	9.88	a
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.989	0.000	90	15004	2.00	1.98	
22 1,1-Dichloroethene	96	3.008	3.008	0.000	96	14713	2.00	2.03	
23 Acetone	43	3.099	3.099	0.000	98	28540	10.0	9.79	
25 Iodomethane	142	3.178	3.184	-0.006	97	29080	2.00	1.95	
26 Carbon disulfide	76	3.197	3.203	-0.006	100	54168	2.00	2.08	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	85	29443	2.00	2.12	
27 Methyl acetate	43	3.379	3.379	0.000	99	28422	4.00	4.14	
30 Methylene Chloride	84	3.507	3.520	-0.013	97	25547	2.00	2.03	
31 2-Methyl-2-propanol	59	3.629	3.629	0.000	99	16905	20.0	18.4	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	98	47042	2.00	2.03	
34 trans-1,2-Dichloroethene	96	3.684	3.690	-0.006	95	16641	2.00	2.00	
33 Acrylonitrile	53	3.745	3.745	0.000	98	66947	20.0	20.4	
35 Hexane	57	3.855	3.855	0.000	94	26488	2.00	2.21	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	96	32748	2.00	2.08	
37 Vinyl acetate	43	4.105	4.105	0.000	97	80179	4.00	4.00	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	89	19357	2.00	2.06	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	82	19560	2.00	2.04	
43 2-Butanone (MEK)	43	4.580	4.580	0.000	99	46481	10.0	10.1	
48 Chlorobromomethane	128	4.763	4.763	0.000	97	10874	2.00	2.03	
49 Tetrahydrofuran	42	4.776	4.775	0.001	85	11776	4.00	4.01	
50 Chloroform	83	4.818	4.818	0.000	95	36583	2.00	2.12	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	98	27160	2.00	2.06	
52 Cyclohexane	56	4.928	4.928	0.000	95	30500	2.00	2.10	
55 Carbon tetrachloride	117	5.038	5.038	0.000	96	23036	2.00	1.94	
54 1,1-Dichloropropene	75	5.044	5.044	0.000	91	24549	2.00	2.09	
53 Isobutyl alcohol	43	5.208	5.202	0.006	91	18124	50.0	47.3	
57 Benzene	78	5.221	5.220	0.001	94	70514	2.00	2.09	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	98	29350	2.00	2.07	
59 n-Heptane	43	5.336	5.342	-0.006	94	30722	2.00	2.24	
62 Trichloroethene	95	5.720	5.720	0.000	96	19539	2.00	2.08	
64 Methylcyclohexane	83	5.818	5.818	0.000	94	29228	2.00	2.09	
65 1,2-Dichloropropane	63	5.922	5.922	0.000	90	18871	2.00	2.06	
66 1,4-Dioxane	88	6.025	6.025	0.000	0	1637	40.0	40.0	M
67 Dibromomethane	93	6.037	6.037	0.000	95	13368	2.00	2.07	
68 Dichlorobromomethane	83	6.147	6.147	0.000	97	24557	2.00	2.01	
69 2-Chloroethyl vinyl ether	63	6.342	6.348	-0.006	93	11537	2.00	2.12	
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	91	28271	2.00	2.02	
73 4-Methyl-2-pentanone (MIBK)	43	6.568	6.574	-0.006	99	97545	10.0	10.2	
74 Toluene	92	6.702	6.708	-0.006	98	45378	2.00	2.11	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	98	25754	2.00	1.97	
75 Ethyl methacrylate	69	6.921	6.921	0.000	90	20902	2.00	1.95	
79 1,1,2-Trichloroethane	83	7.068	7.074	-0.006	93	14588	2.00	2.06	
81 Tetrachloroethene	166	7.129	7.129	0.000	95	20967	2.00	2.09	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	96	27861	2.00	2.06	
80 2-Hexanone	43	7.226	7.226	0.000	98	70249	10.0	10.2	
83 Chlorodibromomethane	129	7.391	7.391	0.000	89	18409	2.00	1.92	
84 Ethylene Dibromide	107	7.488	7.488	0.000	98	18812	2.00	2.01	
87 Chlorobenzene	112	7.842	7.842	0.000	98	52025	2.00	2.07	
88 Ethylbenzene	91	7.897	7.897	0.000	99	85762	2.00	2.08	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	92	17432	2.00	1.99	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	99	32386	2.00	2.05	
91 o-Xylene	106	8.324	8.324	0.000	97	31895	2.00	2.06	
92 Styrene	104	8.342	8.342	0.000	94	53268	2.00	2.02	
95 Bromoform	173	8.561	8.561	0.000	95	10917	2.00	1.76	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	83183	2.00	2.13	
101 Bromobenzene	156	8.915	8.921	-0.006	93	23511	2.00	2.07	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	96	23699	2.00	2.04	
99 N-Propylbenzene	91	8.952	8.951	0.001	98	103380	2.00	2.15	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.964	-0.006	74	6441	2.00	1.93	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	90	6268	2.00	1.99	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	20753	2.00	2.11	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	94	70355	2.00	2.11	
105 4-Chlorotoluene	126	9.147	9.147	0.000	98	21400	2.00	2.08	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	14076	2.00	2.09	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	97	71794	2.00	2.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	91768	2.00	2.09	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	76758	2.00	2.04	
111 1,3-Dichlorobenzene	146	9.689	9.695	-0.006	98	44073	2.00	2.10	
113 1,4-Dichlorobenzene	146	9.768	9.768	0.000	95	44718	2.00	2.08	
115 n-Butylbenzene	91	10.012	10.012	0.000	99	72414	2.00	2.09	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	97	42428	2.00	2.05	
117 1,2-Dibromo-3-Chloropropane	75	10.787	10.786	0.001	80	3607	2.00	1.86	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	94	29729	2.00	2.03	
120 Hexachlorobutadiene	225	11.512	11.518	-0.006	97	15244	2.00	2.11	
121 Naphthalene	128	11.640	11.640	0.000	97	69750	2.00	1.96	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	27821	2.00	2.01	
S 124 Xylenes, Total	1				0			4.11	
S 125 1,2-Dichloroethene, Total	1				0			4.04	
S 126 1,3-Dichloropropene, Total	1				0			3.99	
S 123 Total BTEX	1				0			10.4	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260 CORP mix_00195	Amount Added:	2.00	Units: uL	
GAS CORP mix_00421	Amount Added:	2.00	Units: uL	
D 8260 IS/SUR_00022	Amount Added:	1.00	Units: uL	Run Reagent

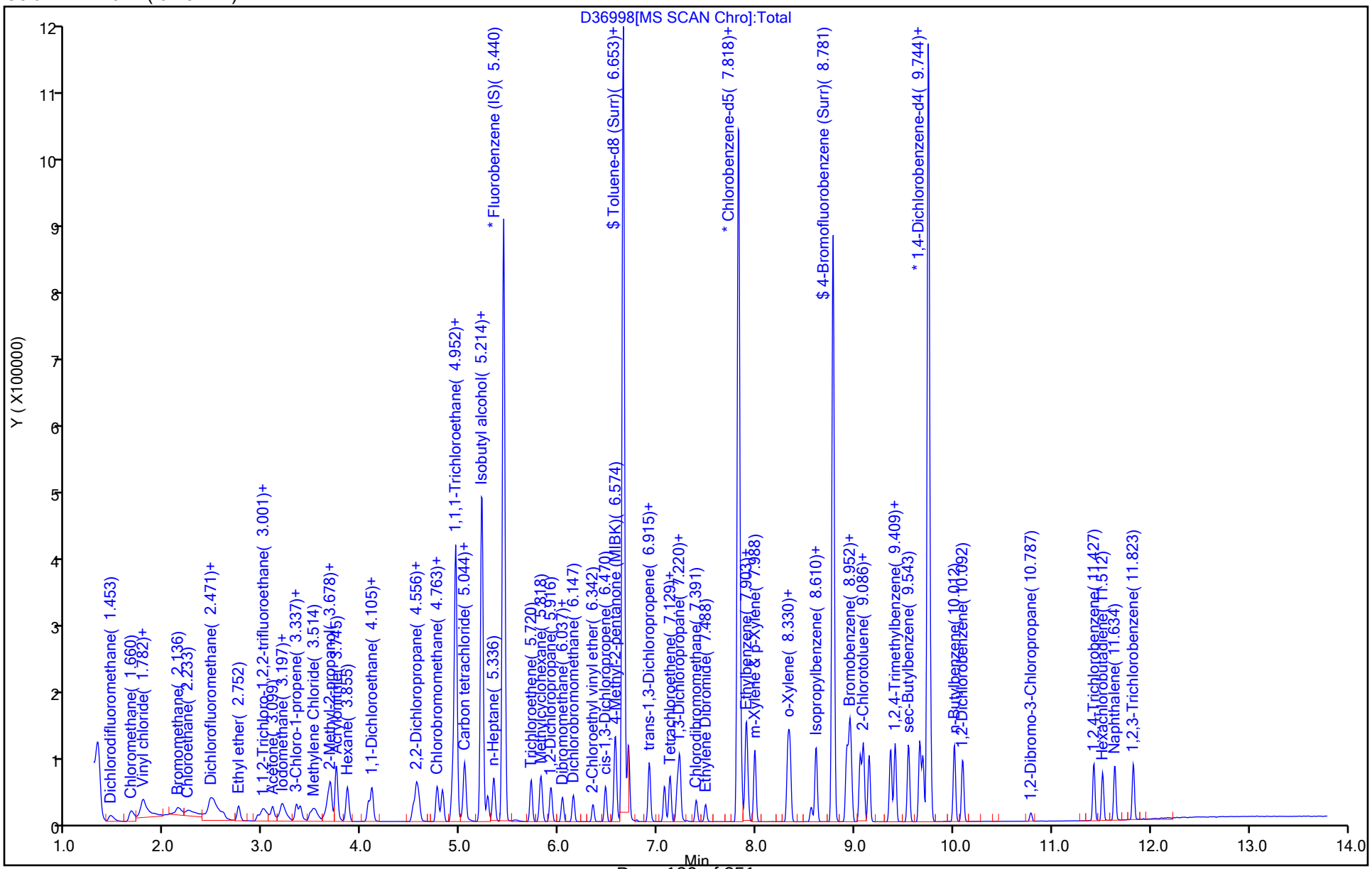
Report Date: 11-Oct-2020 11:14:50 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36998.D

Injection Date:	10-Oct-2020 13:39:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

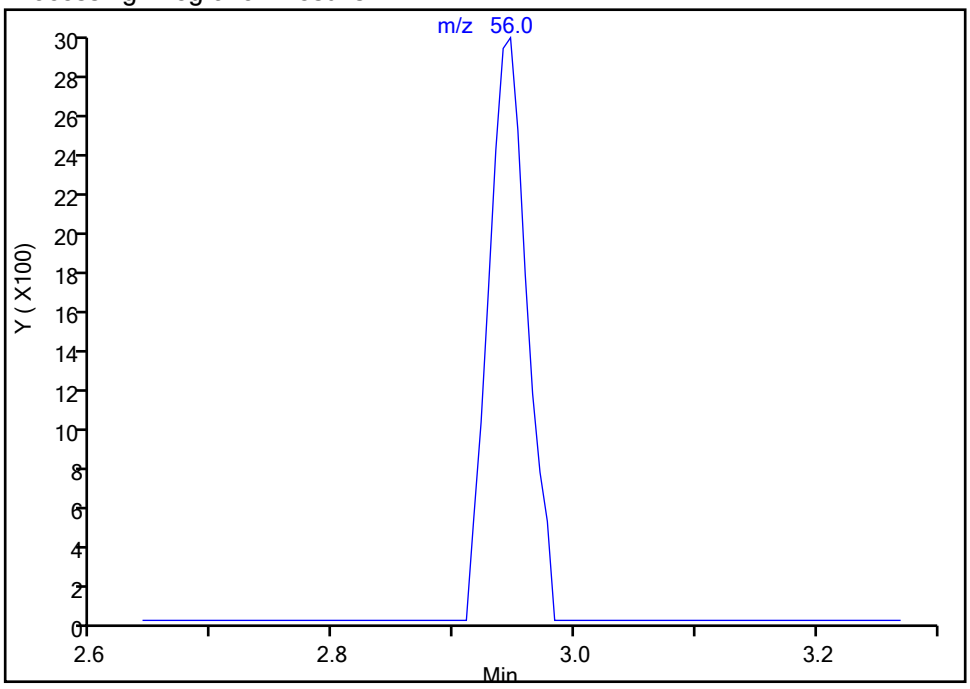
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36998.D
Injection Date: 10-Oct-2020 13:39:30 Instrument ID: HP5975D
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

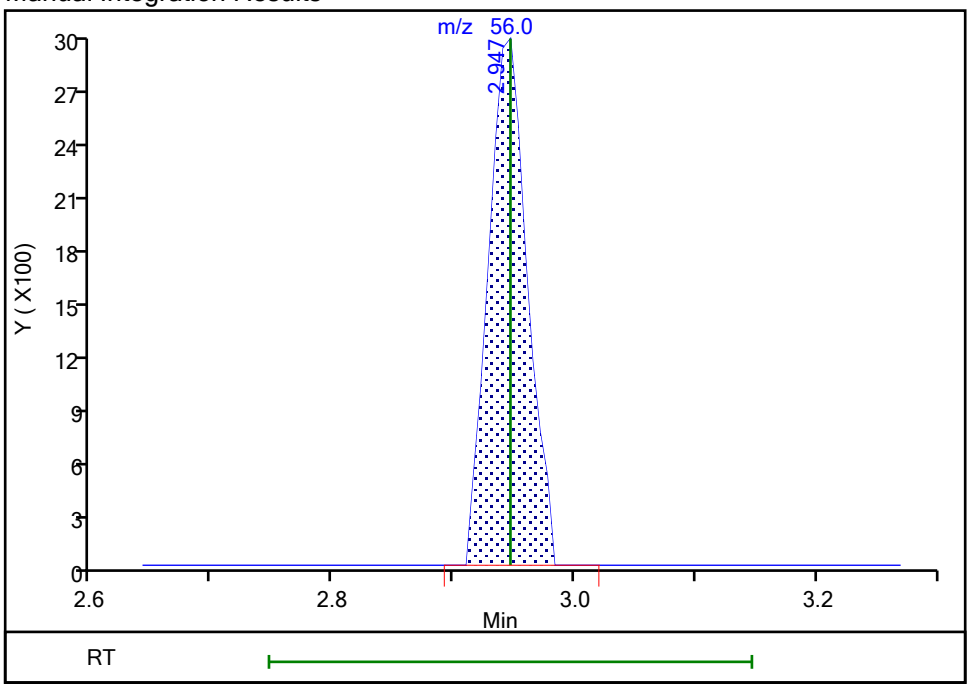
Not Detected
Expected RT: 2.95

Processing Integration Results



Manual Integration Results

RT: 2.95
Area: 6691
Amount: 9.881268
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:29:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

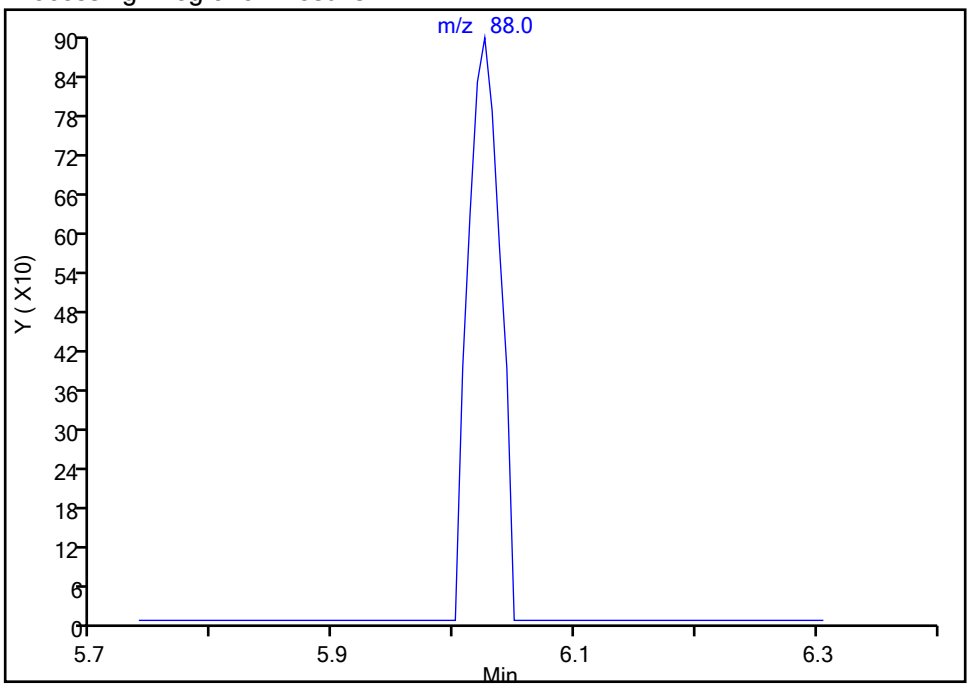
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36998.D
Injection Date: 10-Oct-2020 13:39:30 Instrument ID: HP5975D
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

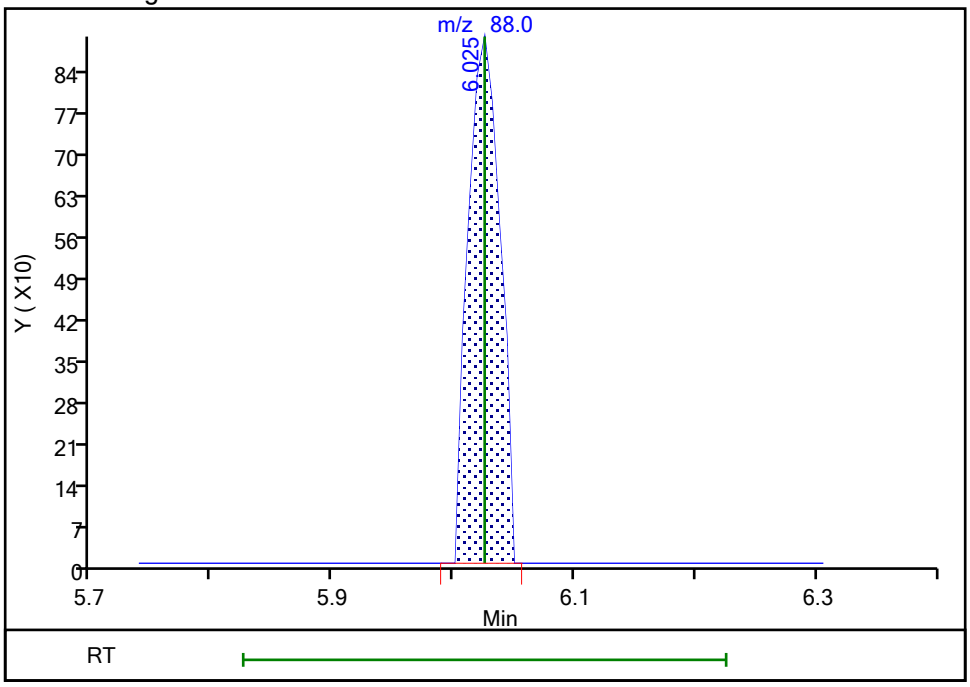
Not Detected
Expected RT: 6.03

Processing Integration Results



Manual Integration Results

RT: 6.03
Area: 1637
Amount: 39.984166
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:29:52
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36999.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 10-Oct-2020 14:02:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0094037-013
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:52 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:31:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.440	0.000	98	153408	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	323477	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.750	9.750	0.000	96	333557	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	93	231133	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.221	5.221	0.000	99	136139	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	95	768197	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	266319	25.0	25.0	
10 Dichlorodifluoromethane	85	1.453	1.453	0.000	99	52916	5.00	5.04	
12 Chloromethane	50	1.660	1.660	0.000	98	64112	5.00	4.97	
13 Vinyl chloride	62	1.758	1.758	0.000	98	59454	5.00	5.20	
144 Butadiene	54	1.788	1.788	0.000	95	48263	5.00	4.81	
14 Bromomethane	94	2.142	2.142	0.000	92	35571	5.00	5.30	
15 Chloroethane	64	2.245	2.245	0.000	97	32507	5.00	4.99	
17 Trichlorofluoromethane	101	2.465	2.465	0.000	97	66938	5.00	5.09	
16 Dichlorofluoromethane	67	2.471	2.471	0.000	97	81402	5.00	5.00	
18 Ethyl ether	59	2.751	2.751	0.000	97	35109	5.00	4.97	
20 Acrolein	56	2.947	2.947	0.000	97	16495	25.0	24.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.977	2.977	0.000	93	40690	5.00	5.44	M
22 1,1-Dichloroethene	96	3.001	3.001	0.000	97	36753	5.00	5.13	
23 Acetone	43	3.099	3.099	0.000	98	68919	25.0	24.0	
25 Iodomethane	142	3.172	3.172	0.000	99	68836	5.00	4.67	
26 Carbon disulfide	76	3.197	3.197	0.000	100	130064	5.00	5.07	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	86	69634	5.00	5.08	
27 Methyl acetate	43	3.379	3.379	0.000	99	66687	10.0	9.86	
30 Methylene Chloride	84	3.520	3.520	0.000	97	53166	5.00	5.19	
31 2-Methyl-2-propanol	59	3.629	3.629	0.000	99	43697	50.0	48.1	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	98	115709	5.00	5.06	
34 trans-1,2-Dichloroethene	96	3.690	3.690	0.000	96	42305	5.00	5.16	
33 Acrylonitrile	53	3.745	3.745	0.000	98	163668	50.0	50.5	
35 Hexane	57	3.855	3.855	0.000	94	61267	5.00	5.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	97	79951	5.00	5.15	
37 Vinyl acetate	43	4.105	4.105	0.000	97	196457	10.0	9.93	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	90	45878	5.00	4.94	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	82	47844	5.00	5.06	
43 2-Butanone (MEK)	43	4.580	4.580	0.000	99	113660	25.0	25.1	
48 Chlorobromomethane	128	4.763	4.763	0.000	97	27048	5.00	5.11	
49 Tetrahydrofuran	42	4.775	4.775	0.000	86	28472	10.0	9.82	
50 Chloroform	83	4.818	4.818	0.000	95	85990	5.00	5.06	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	98	67129	5.00	5.16	
52 Cyclohexane	56	4.928	4.928	0.000	94	75512	5.00	5.28	
55 Carbon tetrachloride	117	5.038	5.038	0.000	97	58070	5.00	4.96	
54 1,1-Dichloropropene	75	5.050	5.050	0.000	93	60496	5.00	5.22	
53 Isobutyl alcohol	43	5.208	5.208	0.000	92	46145	125.0	122.0	
57 Benzene	78	5.221	5.221	0.000	94	172493	5.00	5.19	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	97	70205	5.00	5.02	
59 n-Heptane	43	5.342	5.342	0.000	94	69850	5.00	5.16	
62 Trichloroethene	95	5.720	5.720	0.000	96	47257	5.00	5.10	
64 Methylcyclohexane	83	5.818	5.818	0.000	95	70622	5.00	5.11	
65 1,2-Dichloropropane	63	5.922	5.922	0.000	91	46377	5.00	5.14	
66 1,4-Dioxane	88	6.025	6.025	0.000	0	4928	100.0	89.4	M
67 Dibromomethane	93	6.037	6.037	0.000	96	32068	5.00	5.03	
68 Dichlorobromomethane	83	6.147	6.147	0.000	98	59952	5.00	4.98	
69 2-Chloroethyl vinyl ether	63	6.348	6.348	0.000	93	28155	5.00	5.23	
72 cis-1,3-Dichloropropene	75	6.476	6.476	0.000	92	69882	5.00	5.06	
73 4-Methyl-2-pentanone (MIBK)	43	6.574	6.574	0.000	98	242572	25.0	25.6	
74 Toluene	92	6.708	6.708	0.000	97	109638	5.00	5.15	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	98	65311	5.00	5.06	
75 Ethyl methacrylate	69	6.921	6.921	0.000	90	53766	5.00	5.08	
79 1,1,2-Trichloroethane	83	7.074	7.074	0.000	92	35656	5.00	5.09	
81 Tetrachloroethene	166	7.129	7.129	0.000	96	50715	5.00	5.11	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	96	68698	5.00	5.14	
80 2-Hexanone	43	7.226	7.226	0.000	98	178272	25.0	26.1	
83 Chlorodibromomethane	129	7.391	7.391	0.000	90	45975	5.00	4.85	
84 Ethylene Dibromide	107	7.488	7.488	0.000	98	46488	5.00	5.04	
87 Chlorobenzene	112	7.848	7.848	0.000	96	126445	5.00	5.08	
88 Ethylbenzene	91	7.897	7.897	0.000	99	210172	5.00	5.17	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	93	43895	5.00	5.08	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	99	79840	5.00	5.10	
91 o-Xylene	106	8.324	8.324	0.000	95	78969	5.00	5.17	
92 Styrene	104	8.342	8.342	0.000	96	133359	5.00	5.11	
95 Bromoform	173	8.561	8.561	0.000	95	28480	5.00	4.64	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	203999	5.00	5.13	
101 Bromobenzene	156	8.921	8.921	0.000	94	59053	5.00	5.11	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	94	59827	5.00	5.07	
99 N-Propylbenzene	91	8.951	8.951	0.000	99	255383	5.00	5.21	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	75	16395	5.00	4.83	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	90	16045	5.00	5.01	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	51980	5.00	5.19	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	94	175763	5.00	5.17	
105 4-Chlorotoluene	126	9.147	9.147	0.000	98	53178	5.00	5.08	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	34769	5.00	5.07	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	97	179740	5.00	5.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.549	9.549	0.000	95	225065	5.00	5.02	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	194811	5.00	5.09	
111 1,3-Dichlorobenzene	146	9.695	9.695	0.000	99	109261	5.00	5.12	
113 1,4-Dichlorobenzene	146	9.768	9.768	0.000	96	112419	5.00	5.15	
115 n-Butylbenzene	91	10.012	10.012	0.000	98	184292	5.00	5.22	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	97	105860	5.00	5.03	
117 1,2-Dibromo-3-Chloropropane	75	10.786	10.786	0.000	82	9610	5.00	4.87	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	95	74993	5.00	5.04	
120 Hexachlorobutadiene	225	11.518	11.518	0.000	97	38813	5.00	5.26	
121 Naphthalene	128	11.640	11.640	0.000	97	177781	5.00	4.90	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	69936	5.00	4.96	
S 124 Xylenes, Total	1				0			10.3	
S 125 1,2-Dichloroethene, Total	1				0			10.2	
S 126 1,3-Dichloropropene, Total	1				0			10.1	
S 123 Total BTEX	1				0			25.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00195	Amount Added:	5.00	Units: uL	
GAS CORP mix_00421	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00022	Amount Added:	1.00	Units: uL	Run Reagent

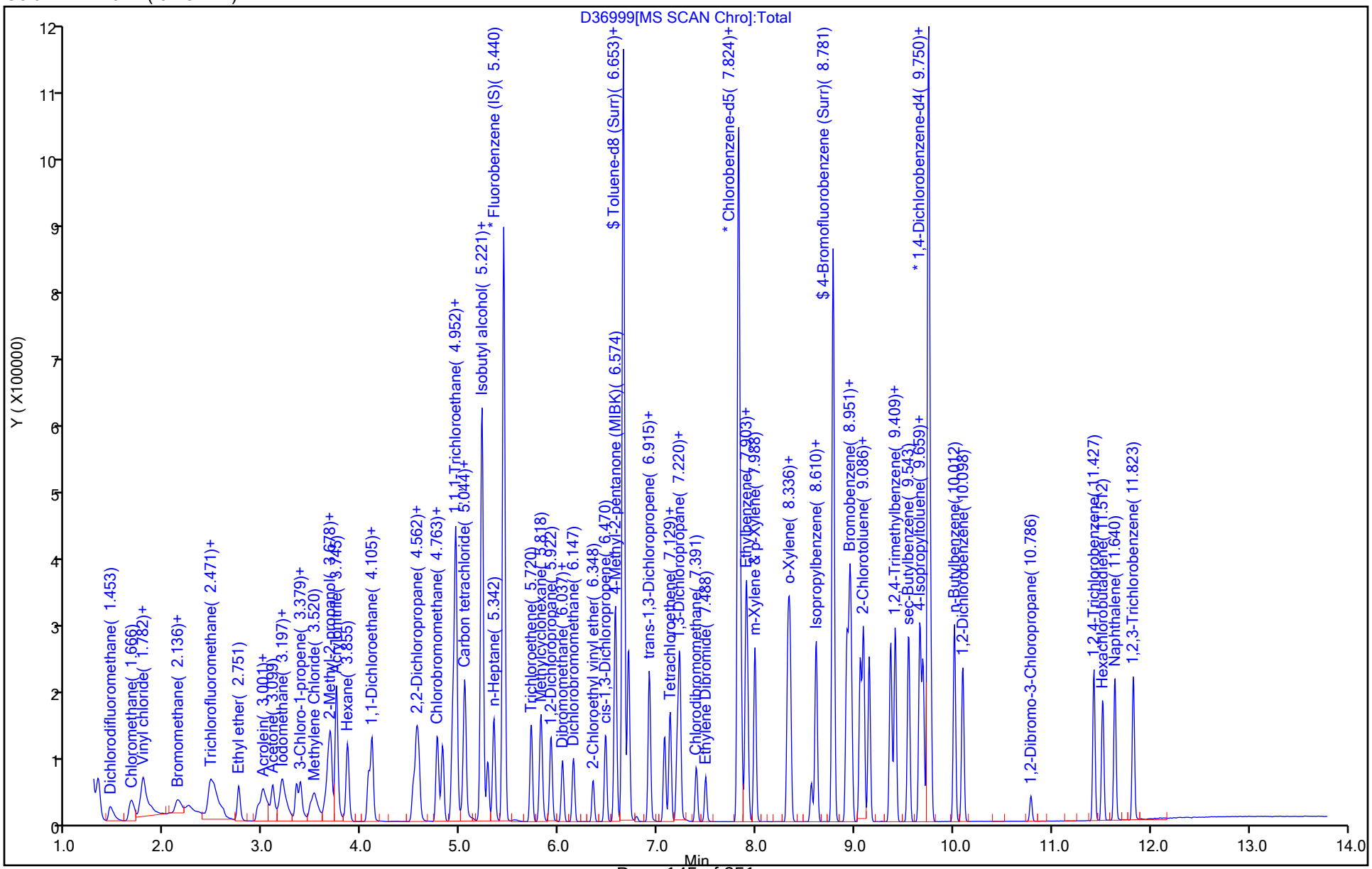
Report Date: 11-Oct-2020 11:14:52 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36999.D

Injection Date:	10-Oct-2020 14:02:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

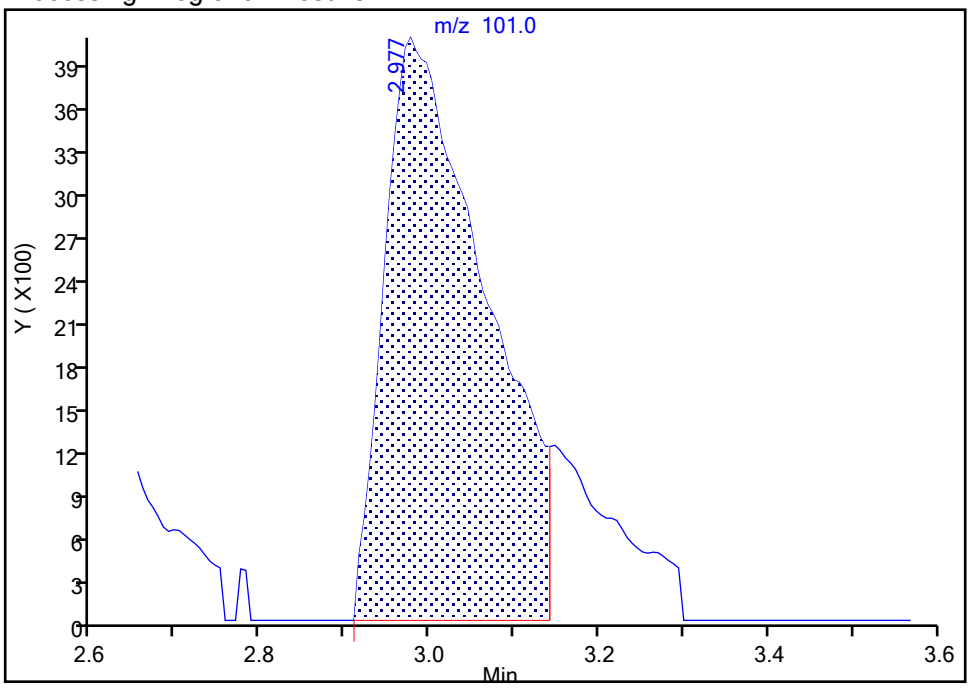
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36999.D
Injection Date: 10-Oct-2020 14:02:30 Instrument ID: HP5975D
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

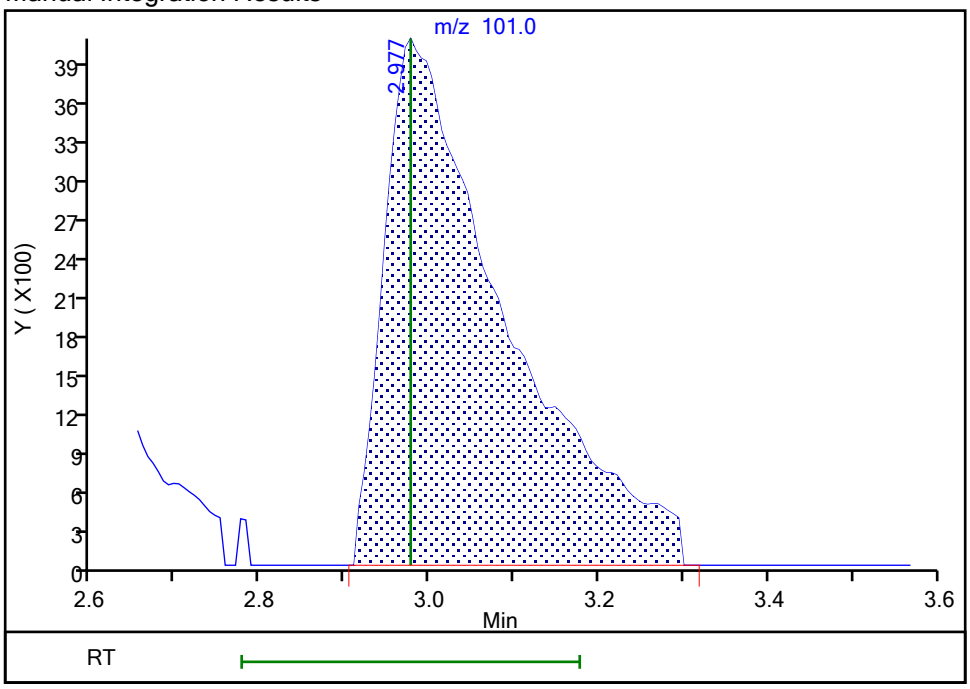
Processing Integration Results

RT: 2.98
Area: 34172
Amount: 4.689573
Amount Units: ug/L



Manual Integration Results

RT: 2.98
Area: 40690
Amount: 5.444911
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:30:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

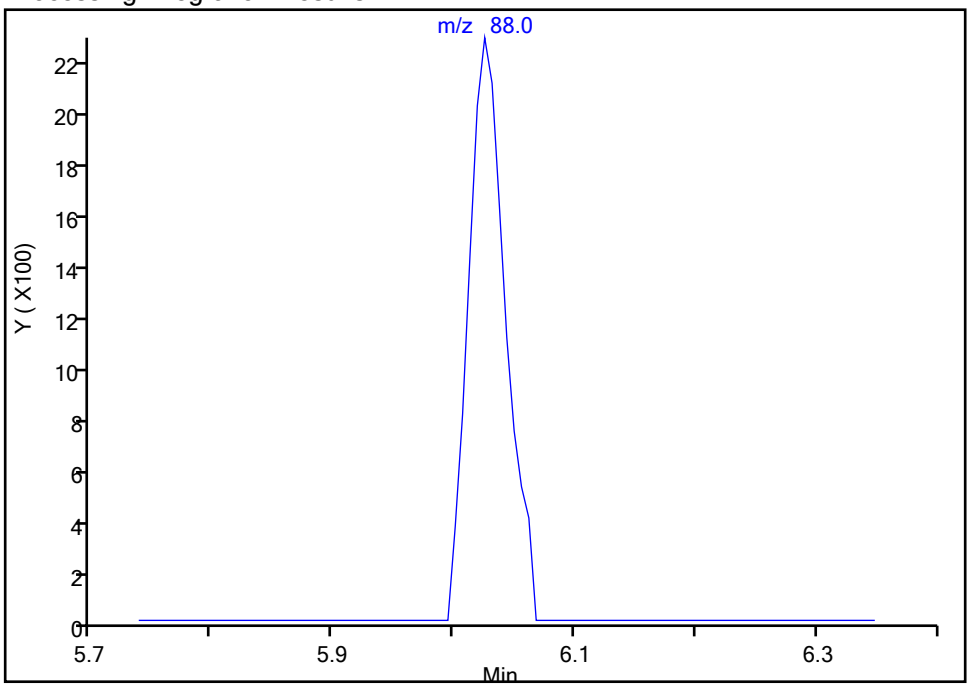
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36999.D
Injection Date: 10-Oct-2020 14:02:30 Instrument ID: HP5975D
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

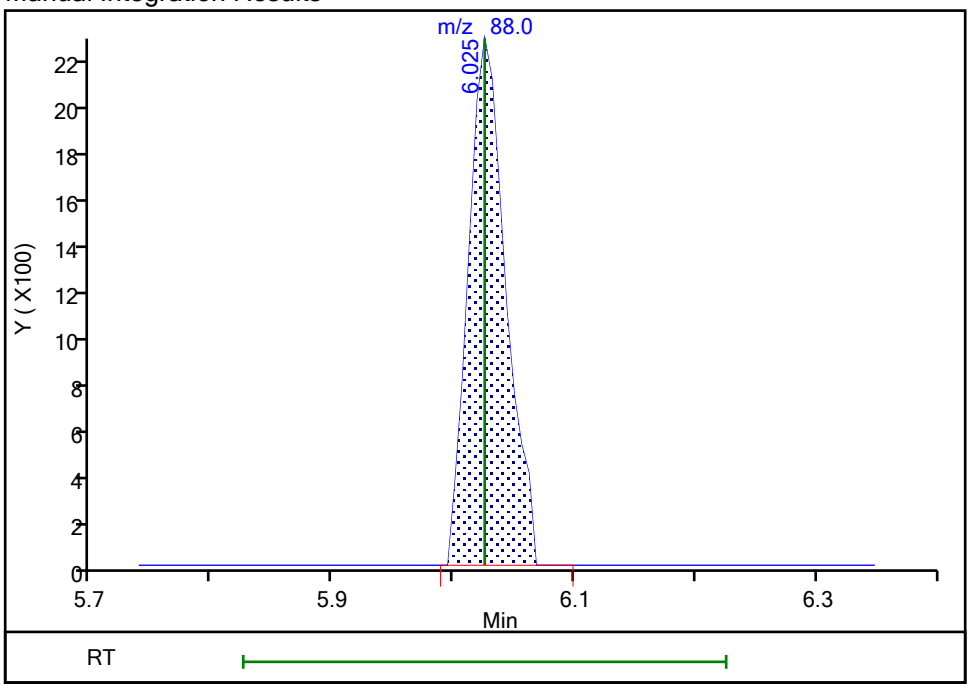
Not Detected
Expected RT: 6.03

Processing Integration Results



Manual Integration Results

RT: 6.03
Area: 4928
Amount: 89.423544
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 10:30:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Report Date: 11-Oct-2020 11:14:55 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37000.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 10-Oct-2020 14:25:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0094037-014
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:54 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:31:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.440	0.000	98	154781	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.818	0.006	88	328051	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.750	9.750	0.000	95	343636	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	92	230342	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.215	5.221	-0.005	100	135609	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	95	772159	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	271119	25.0	25.1	
10 Dichlorodifluoromethane	85	1.453	1.453	0.000	99	105735	10.0	9.98	
12 Chloromethane	50	1.660	1.660	0.000	99	124489	10.0	9.56	
13 Vinyl chloride	62	1.764	1.758	0.006	98	116750	10.0	10.1	
144 Butadiene	54	1.788	1.788	0.000	94	103054	10.0	10.2	
14 Bromomethane	94	2.142	2.142	0.000	92	68800	10.0	10.2	
15 Chloroethane	64	2.246	2.245	0.001	97	62374	10.0	9.49	
17 Trichlorofluoromethane	101	2.465	2.465	0.000	98	135887	10.0	10.2	
16 Dichlorofluoromethane	67	2.471	2.471	0.000	97	159562	10.0	9.71	
18 Ethyl ether	59	2.752	2.751	0.001	96	73523	10.0	10.3	
20 Acrolein	56	2.941	2.947	-0.006	99	34666	50.0	51.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.977	0.012	95	83430	10.0	11.1	
22 1,1-Dichloroethene	96	3.008	3.001	0.007	96	76604	10.0	10.6	
23 Acetone	43	3.093	3.099	-0.006	98	143342	50.0	49.4	
25 Iodomethane	142	3.185	3.172	0.013	99	156259	10.0	10.5	
26 Carbon disulfide	76	3.197	3.197	0.001	100	269633	10.0	10.4	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	86	141761	10.0	10.3	
27 Methyl acetate	43	3.374	3.379	-0.005	99	136125	20.0	19.9	
30 Methylene Chloride	84	3.520	3.520	0.000	97	102183	10.0	10.6	
31 2-Methyl-2-propanol	59	3.630	3.629	0.001	98	98365	100.0	107.3	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	98	241272	10.0	10.5	
34 trans-1,2-Dichloroethene	96	3.684	3.690	-0.006	96	88224	10.0	10.7	
33 Acrylonitrile	53	3.739	3.745	-0.006	97	334508	100.0	102.2	
35 Hexane	57	3.855	3.855	0.000	94	126554	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.069	4.068	0.001	96	161708	10.0	10.3	
37 Vinyl acetate	43	4.105	4.105	0.000	97	418503	20.0	21.0	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	92	97907	10.0	10.5	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	82	98213	10.0	10.3	
43 2-Butanone (MEK)	43	4.581	4.580	0.001	99	230058	50.0	50.4	
48 Chlorobromomethane	128	4.764	4.763	0.001	97	54984	10.0	10.3	
49 Tetrahydrofuran	42	4.776	4.775	0.001	87	59077	20.0	20.2	
50 Chloroform	83	4.818	4.818	0.000	95	173867	10.0	10.1	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	98	139970	10.0	10.7	
52 Cyclohexane	56	4.928	4.928	0.000	94	153432	10.0	10.6	
55 Carbon tetrachloride	117	5.038	5.038	0.000	97	124466	10.0	10.5	
54 1,1-Dichloropropene	75	5.044	5.050	-0.006	94	123256	10.0	10.5	
53 Isobutyl alcohol	43	5.202	5.208	-0.006	92	100167	250.0	262.4	
57 Benzene	78	5.221	5.221	0.001	97	345064	10.0	10.3	
58 1,2-Dichloroethane	62	5.276	5.275	0.001	97	140571	10.0	9.97	
59 n-Heptane	43	5.343	5.342	0.001	95	142041	10.0	10.4	
62 Trichloroethene	95	5.721	5.720	0.001	97	97104	10.0	10.4	
64 Methylcyclohexane	83	5.818	5.818	0.000	95	145215	10.0	10.4	
65 1,2-Dichloropropane	63	5.916	5.922	-0.006	91	93873	10.0	10.3	
66 1,4-Dioxane	88	6.025	6.025	0.000	95	13784	200.0	218.8	
67 Dibromomethane	93	6.038	6.037	0.001	96	66473	10.0	10.3	
68 Dichlorobromomethane	83	6.147	6.147	0.000	98	125281	10.0	10.3	
69 2-Chloroethyl vinyl ether	63	6.349	6.348	0.001	93	58334	10.0	10.7	
72 cis-1,3-Dichloropropene	75	6.470	6.476	-0.006	93	143399	10.0	10.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.574	6.574	0.000	98	495781	50.0	51.6	
74 Toluene	92	6.708	6.708	0.000	98	223526	10.0	10.3	
77 trans-1,3-Dichloropropene	75	6.916	6.915	0.001	98	139603	10.0	10.7	
75 Ethyl methacrylate	69	6.922	6.921	0.001	91	113228	10.0	10.6	
79 1,1,2-Trichloroethane	83	7.074	7.074	0.000	93	74601	10.0	10.5	
81 Tetrachloroethene	166	7.129	7.129	0.000	95	102684	10.0	10.2	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	97	139601	10.0	10.3	
80 2-Hexanone	43	7.226	7.226	0.000	97	364540	50.0	52.7	
83 Chlorodibromomethane	129	7.391	7.391	0.000	90	99676	10.0	10.4	
84 Ethylene Dibromide	107	7.489	7.488	0.001	98	98709	10.0	10.5	
87 Chlorobenzene	112	7.848	7.848	0.000	98	258746	10.0	10.2	
88 Ethylbenzene	91	7.897	7.897	0.000	99	430224	10.0	10.4	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	94	91952	10.0	10.5	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	99	167921	10.0	10.6	
91 o-Xylene	106	8.324	8.324	0.000	97	161280	10.0	10.4	
92 Styrene	104	8.342	8.342	0.000	95	278276	10.0	10.5	
95 Bromoform	173	8.562	8.561	0.001	96	64340	10.0	10.3	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	425389	10.0	10.4	
101 Bromobenzene	156	8.921	8.921	0.000	92	121378	10.0	10.2	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	96	124575	10.0	10.2	
99 N-Propylbenzene	91	8.952	8.951	0.001	99	525082	10.0	10.4	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	74	36212	10.0	10.3	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	89	34112	10.0	10.3	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	106188	10.0	10.3	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	95	363033	10.0	10.4	
105 4-Chlorotoluene	126	9.147	9.147	0.000	98	112024	10.0	10.4	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	72543	10.0	10.3	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	97	374716	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.549	9.549	0.000	95	474392	10.0	10.3	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	406758	10.0	10.3	
111 1,3-Dichlorobenzene	146	9.695	9.695	0.000	98	225587	10.0	10.3	
113 1,4-Dichlorobenzene	146	9.769	9.768	0.001	95	229394	10.0	10.2	
115 n-Butylbenzene	91	10.012	10.012	0.000	99	381125	10.0	10.5	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	98	223966	10.0	10.3	
117 1,2-Dibromo-3-Chloropropane	75	10.787	10.786	0.001	82	20654	10.0	10.2	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	95	156641	10.0	10.2	
120 Hexachlorobutadiene	225	11.518	11.518	0.000	97	79903	10.0	10.5	
121 Naphthalene	128	11.640	11.640	0.000	97	379260	10.0	10.1	
122 1,2,3-Trichlorobenzene	180	11.829	11.823	0.006	96	149014	10.0	10.3	
S 124 Xylenes, Total	1				0			21.0	
S 125 1,2-Dichloroethene, Total	1				0			21.0	
S 126 1,3-Dichloropropene, Total	1				0			20.9	
S 123 Total BTEX	1				0			52.0	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added:	5.00	Units: uL	
GAS CORP mix_00421	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00022	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 11-Oct-2020 11:14:55 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37000.D

Injection Date: 10-Oct-2020 14:25:30 Instrument ID: HP5975D Operator ID: LH

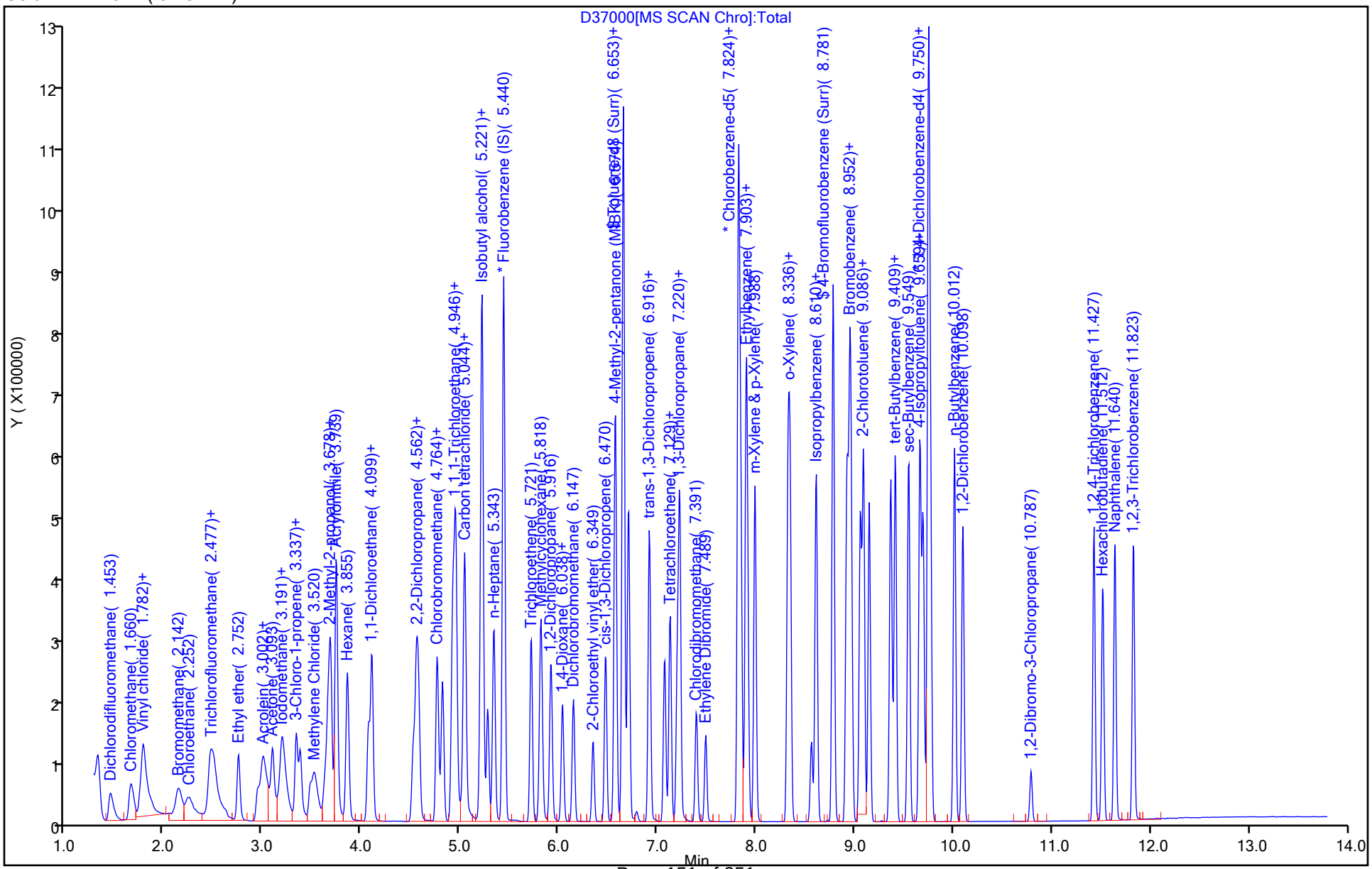
Lims ID: IC 4 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: D-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37001.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 10-Oct-2020 14:49:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0094037-015
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:56 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:23:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.440	0.000	98	156871	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.824	7.824	0.000	87	331866	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.750	9.750	0.000	95	339488	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	92	236631	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.220	5.220	0.000	99	136798	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	95	785377	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	273563	25.0	25.0	
10 Dichlorodifluoromethane	85	1.459	1.459	0.000	99	267421	25.0	24.9	
12 Chloromethane	50	1.666	1.666	0.000	99	312428	25.0	23.7	
13 Vinyl chloride	62	1.770	1.770	0.000	98	289604	25.0	24.8	
144 Butadiene	54	1.794	1.794	0.000	94	253420	25.0	24.7	
14 Bromomethane	94	2.148	2.148	0.000	91	176075	25.0	25.6	
15 Chloroethane	64	2.245	2.245	0.000	98	152407	25.0	22.9	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	97	338583	25.0	25.2	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	98	391294	25.0	23.5	
18 Ethyl ether	59	2.751	2.751	0.000	96	179202	25.0	24.8	
20 Acrolein	56	2.947	2.947	0.000	99	83175	125.0	121.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.989	0.000	94	186361	25.0	24.4	
22 1,1-Dichloroethene	96	3.008	3.008	0.000	95	187654	25.0	25.6	
23 Acetone	43	3.099	3.099	0.000	98	341248	125.0	116.1	
25 Iodomethane	142	3.184	3.184	0.000	98	378250	25.0	25.1	
26 Carbon disulfide	76	3.203	3.203	0.000	100	660509	25.0	25.2	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	86	340146	25.0	24.3	
27 Methyl acetate	43	3.379	3.379	0.000	99	330390	50.0	47.7	
30 Methylene Chloride	84	3.520	3.520	0.000	98	235859	25.0	25.2	
31 2-Methyl-2-propanol	59	3.629	3.629	0.000	98	237377	250.0	255.5	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	98	592684	25.0	25.4	
34 trans-1,2-Dichloroethene	96	3.690	3.690	0.000	96	214753	25.0	25.6	
33 Acrylonitrile	53	3.745	3.745	0.000	98	811811	250.0	244.7	
35 Hexane	57	3.855	3.855	0.000	95	307732	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	97	401756	25.0	25.3	
37 Vinyl acetate	43	4.105	4.105	0.000	97	1050524	50.0	51.9	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	95	235348	25.0	24.8	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	84	241084	25.0	25.0	
43 2-Butanone (MEK)	43	4.580	4.580	0.000	99	565114	125.0	122.2	
48 Chlorobromomethane	128	4.763	4.763	0.000	97	134906	25.0	24.9	
49 Tetrahydrofuran	42	4.775	4.775	0.000	86	140572	50.0	47.4	
50 Chloroform	83	4.818	4.818	0.000	95	419493	25.0	24.1	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	98	342793	25.0	25.8	
52 Cyclohexane	56	4.928	4.928	0.000	93	368985	25.0	25.2	
55 Carbon tetrachloride	117	5.038	5.038	0.000	98	305576	25.0	25.5	
54 1,1-Dichloropropene	75	5.044	5.044	0.000	94	302393	25.0	25.5	
53 Isobutyl alcohol	43	5.202	5.202	0.000	92	240180	625.0	620.8	
57 Benzene	78	5.220	5.220	0.000	97	843715	25.0	24.8	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	98	346402	25.0	24.2	
59 n-Heptane	43	5.342	5.342	0.000	95	340488	25.0	24.6	
62 Trichloroethene	95	5.720	5.720	0.000	97	239734	25.0	25.3	
64 Methylcyclohexane	83	5.818	5.818	0.000	95	353615	25.0	25.0	
65 1,2-Dichloropropane	63	5.922	5.922	0.000	92	231007	25.0	25.0	
66 1,4-Dioxane	88	6.025	6.025	0.000	98	31344	500.0	472.2	
67 Dibromomethane	93	6.037	6.037	0.000	96	163106	25.0	25.0	
68 Dichlorobromomethane	83	6.147	6.147	0.000	98	314935	25.0	25.6	
69 2-Chloroethyl vinyl ether	63	6.348	6.348	0.000	94	143883	25.0	26.2	
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	92	363694	25.0	25.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.574	6.574	0.000	98	1230110	125.0	126.6	
74 Toluene	92	6.708	6.708	0.000	98	542693	25.0	24.8	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	98	349171	25.0	26.3	
75 Ethyl methacrylate	69	6.921	6.921	0.000	91	287113	25.0	26.4	
79 1,1,2-Trichloroethane	83	7.074	7.074	0.000	92	183254	25.0	25.5	
81 Tetrachloroethene	166	7.129	7.129	0.000	95	252719	25.0	24.8	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	96	342149	25.0	25.0	
80 2-Hexanone	43	7.226	7.226	0.000	98	891176	125.0	127.3	
83 Chlorodibromomethane	129	7.391	7.391	0.000	90	257741	25.0	26.5	
84 Ethylene Dibromide	107	7.488	7.488	0.000	98	241875	25.0	25.5	
87 Chlorobenzene	112	7.842	7.842	0.000	95	633818	25.0	24.8	
88 Ethylbenzene	91	7.897	7.897	0.000	99	1056047	25.0	25.3	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	95	232837	25.0	26.2	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	99	409782	25.0	25.5	
91 o-Xylene	106	8.324	8.324	0.000	97	397614	25.0	25.3	
92 Styrene	104	8.342	8.342	0.000	95	682071	25.0	25.5	
95 Bromoform	173	8.561	8.561	0.000	97	171090	25.0	27.2	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	1033481	25.0	25.5	
101 Bromobenzene	156	8.921	8.921	0.000	93	294019	25.0	25.0	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	95	307959	25.0	25.6	
99 N-Propylbenzene	91	8.951	8.951	0.000	99	1270826	25.0	25.5	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	75	92583	25.0	26.8	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	88	81948	25.0	25.2	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	259303	25.0	25.5	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	95	883194	25.0	25.5	
105 4-Chlorotoluene	126	9.147	9.147	0.000	98	268128	25.0	25.2	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	175661	25.0	25.2	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	98	906580	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	1150199	25.0	25.2	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	982268	25.0	25.2	
111 1,3-Dichlorobenzene	146	9.695	9.695	0.000	98	542435	25.0	25.0	
113 1,4-Dichlorobenzene	146	9.768	9.768	0.000	97	552397	25.0	24.9	
115 n-Butylbenzene	91	10.012	10.012	0.000	99	922282	25.0	25.7	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	99	537322	25.0	25.1	
117 1,2-Dibromo-3-Chloropropane	75	10.786	10.786	0.000	85	52761	25.0	26.3	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	95	387701	25.0	25.6	
120 Hexachlorobutadiene	225	11.518	11.518	0.000	97	196879	25.0	26.2	
121 Naphthalene	128	11.640	11.640	0.000	97	952026	25.0	25.8	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	365327	25.0	25.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added: 12.50	Units: uL	
GAS CORP mix_00421	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00022	Amount Added: 1.00	Units: uL	Run Reagent

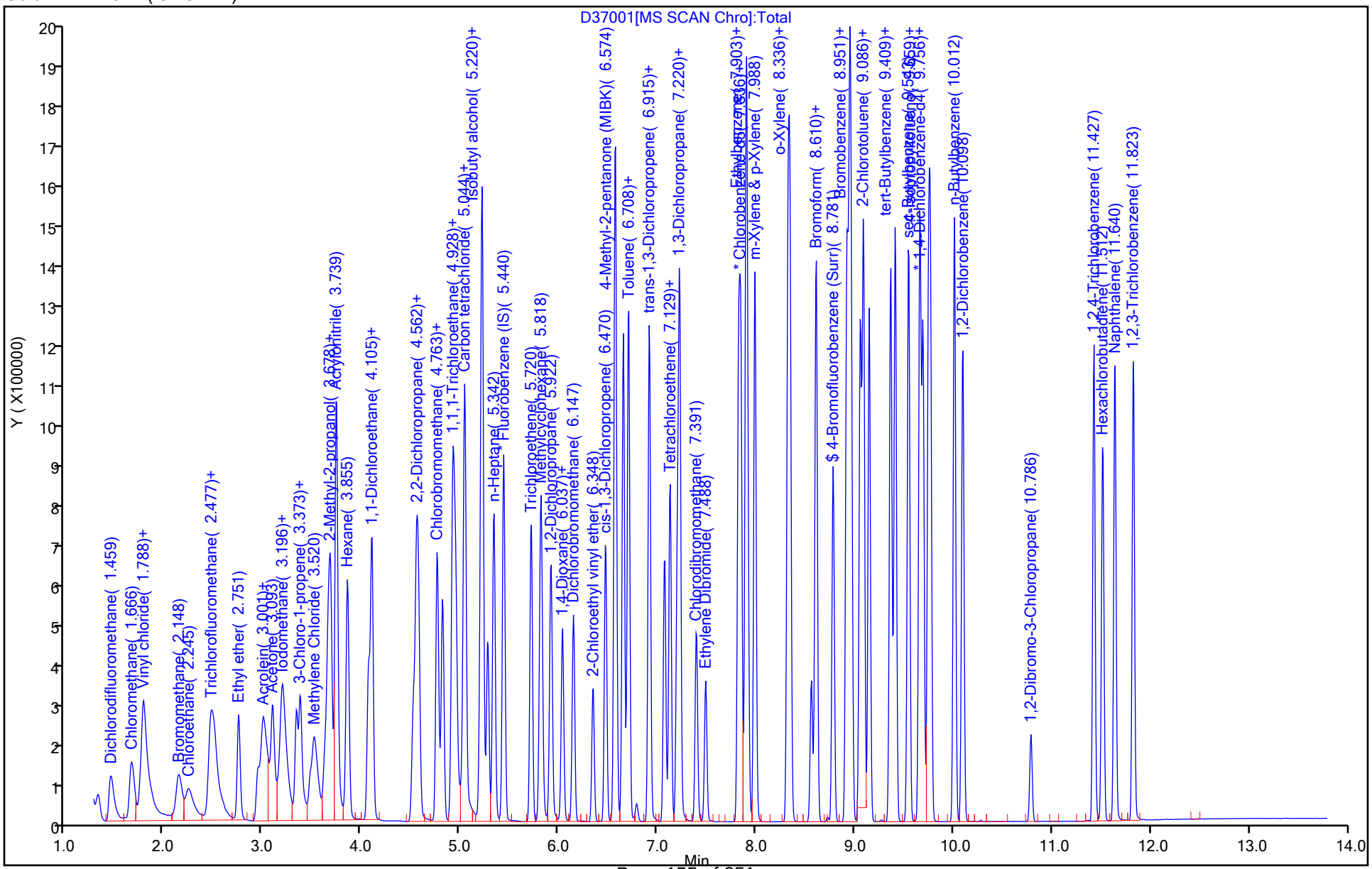
Report Date: 11-Oct-2020 11:14:57 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37001.D

Injection Date:	10-Oct-2020 14:49:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37002.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 10-Oct-2020 15:12:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0094037-016
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:14:58 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:32:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.440	0.000	98	157845	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.824	-0.006	87	336644	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.750	9.750	0.000	95	353356	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	94	234057	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.214	5.220	-0.006	96	136730	25.0	24.7	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	94	793759	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	281006	25.0	25.4	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	99	537908	50.0	49.8	
12 Chloromethane	50	1.666	1.666	0.000	99	635421	50.0	47.9	
13 Vinyl chloride	62	1.764	1.770	-0.006	98	588906	50.0	50.1	
144 Butadiene	54	1.800	1.794	0.006	93	530939	50.0	51.5	
14 Bromomethane	94	2.148	2.148	0.000	91	315287	50.0	45.6	
15 Chloroethane	64	2.245	2.245	0.000	99	301994	50.0	45.1	
17 Trichlorofluoromethane	101	2.477	2.471	0.006	97	670654	50.0	49.6	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	97	784991	50.0	46.9	
18 Ethyl ether	59	2.751	2.751	0.000	96	355986	50.0	48.9	
20 Acrolein	56	2.940	2.947	-0.007	99	179289	250.0	260.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.995	2.989	0.006	95	402592	50.0	52.4	
22 1,1-Dichloroethene	96	3.014	3.008	0.006	97	368119	50.0	50.0	
23 Acetone	43	3.093	3.099	-0.006	98	720856	250.0	243.6	
25 Iodomethane	142	3.184	3.184	0.000	98	797772	50.0	52.6	
26 Carbon disulfide	76	3.203	3.203	0.000	100	1323582	50.0	50.1	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	88	691655	50.0	49.1	
27 Methyl acetate	43	3.373	3.379	-0.006	99	673243	100.0	96.7	
30 Methylene Chloride	84	3.520	3.520	0.000	97	462058	50.0	49.9	
31 2-Methyl-2-propanol	59	3.629	3.629	0.000	99	515947	500.0	551.8	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	99	1182864	50.0	50.3	
34 trans-1,2-Dichloroethene	96	3.684	3.690	-0.006	96	429011	50.0	50.9	
33 Acrylonitrile	53	3.739	3.745	-0.006	97	1678369	500.0	502.8	
35 Hexane	57	3.855	3.855	0.000	95	598850	50.0	49.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	97	788350	50.0	49.3	
37 Vinyl acetate	43	4.099	4.105	-0.006	97	2112734	100.0	103.8	
44 2,2-Dichloropropane	77	4.525	4.526	-0.001	92	486792	50.0	51.0	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	82	478218	50.0	49.2	
43 2-Butanone (MEK)	43	4.574	4.580	-0.006	99	1150308	250.0	247.3	
48 Chlorobromomethane	128	4.763	4.763	0.000	97	268022	50.0	49.3	
49 Tetrahydrofuran	42	4.769	4.775	-0.006	87	282863	100.0	94.8	
50 Chloroform	83	4.818	4.818	0.000	95	825740	50.0	47.2	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	98	700257	50.0	52.3	
52 Cyclohexane	56	4.928	4.928	0.000	94	731610	50.0	49.7	
55 Carbon tetrachloride	117	5.038	5.038	0.000	98	632688	50.0	52.5	
54 1,1-Dichloropropene	75	5.044	5.044	0.000	93	591843	50.0	49.6	
53 Isobutyl alcohol	43	5.202	5.202	0.000	92	533702	1250.0	1371.0	
57 Benzene	78	5.220	5.220	0.000	98	1657952	50.0	48.5	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	98	680604	50.0	47.3	
59 n-Heptane	43	5.336	5.342	-0.006	96	662442	50.0	47.6	
62 Trichloroethene	95	5.714	5.720	-0.006	97	476521	50.0	50.0	
64 Methylcyclohexane	83	5.818	5.818	0.000	95	716198	50.0	50.3	
65 1,2-Dichloropropane	63	5.915	5.922	-0.007	92	457840	50.0	49.3	
66 1,4-Dioxane	88	6.025	6.025	0.000	96	76633	1000.0	1115.7	
67 Dibromomethane	93	6.037	6.037	0.000	96	326588	50.0	49.8	
68 Dichlorobromomethane	83	6.147	6.147	0.000	98	648348	50.0	52.3	
69 2-Chloroethyl vinyl ether	63	6.342	6.348	-0.006	93	281702	50.0	50.9	
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	94	741788	50.0	52.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.568	6.574	-0.006	98	2446153	250.0	248.2	
74 Toluene	92	6.708	6.708	0.000	98	1088362	50.0	49.1	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	98	706864	50.0	52.6	
75 Ethyl methacrylate	69	6.921	6.921	0.000	91	581126	50.0	52.8	
79 1,1,2-Trichloroethane	83	7.068	7.074	-0.006	92	367686	50.0	50.4	
81 Tetrachloroethene	166	7.129	7.129	0.000	96	510168	50.0	49.4	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	97	683948	50.0	49.2	
80 2-Hexanone	43	7.226	7.226	0.000	98	1774825	250.0	250.0	
83 Chlorodibromomethane	129	7.391	7.391	0.000	90	535781	50.0	54.3	
84 Ethylene Dibromide	107	7.488	7.488	0.000	98	485952	50.0	50.6	
87 Chlorobenzene	112	7.842	7.842	0.000	95	1258876	50.0	48.6	
88 Ethylbenzene	91	7.897	7.897	0.000	99	2101992	50.0	49.7	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	95	471835	50.0	52.4	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	99	813785	50.0	50.0	
91 o-Xylene	106	8.324	8.324	0.000	97	795725	50.0	50.0	
92 Styrene	104	8.342	8.342	0.000	95	1381837	50.0	50.9	
95 Bromoform	173	8.561	8.561	0.000	96	366329	50.0	57.3	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	2077306	50.0	49.3	
101 Bromobenzene	156	8.921	8.921	0.000	92	599685	50.0	48.9	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	95	622887	50.0	49.8	
99 N-Propylbenzene	91	8.951	8.951	0.000	99	2555038	50.0	49.2	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	76	191170	50.0	53.1	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	87	167873	50.0	49.5	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	517609	50.0	48.8	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	95	1795177	50.0	49.9	
105 4-Chlorotoluene	126	9.147	9.147	0.000	98	545839	50.0	49.3	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	358991	50.0	49.4	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	98	1838012	50.0	49.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	2338585	50.0	49.3	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	2022923	50.0	49.9	
111 1,3-Dichlorobenzene	146	9.689	9.695	-0.006	98	1115959	50.0	49.4	
113 1,4-Dichlorobenzene	146	9.768	9.768	0.000	96	1134507	50.0	49.0	
115 n-Butylbenzene	91	10.012	10.012	0.000	98	1902383	50.0	50.9	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	99	1109160	50.0	49.8	
117 1,2-Dibromo-3-Chloropropane	75	10.786	10.786	0.000	85	113128	50.0	54.1	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	95	807602	50.0	51.2	
120 Hexachlorobutadiene	225	11.512	11.518	-0.006	98	412314	50.0	52.8	
121 Naphthalene	128	11.640	11.640	0.000	97	1991107	50.0	51.8	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	770042	50.0	51.6	
S 124 Xylenes, Total	1				0			100.0	
S 125 1,2-Dichloroethene, Total	1				0			100.0	
S 126 1,3-Dichloropropene, Total	1				0			104.7	
S 123 Total BTEX	1				0			247.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added: 25.00	Units: uL	
GAS CORP mix_00421	Amount Added: 25.00	Units: uL	
D 8260 IS/SUR_00022	Amount Added: 1.00	Units: uL	Run Reagent

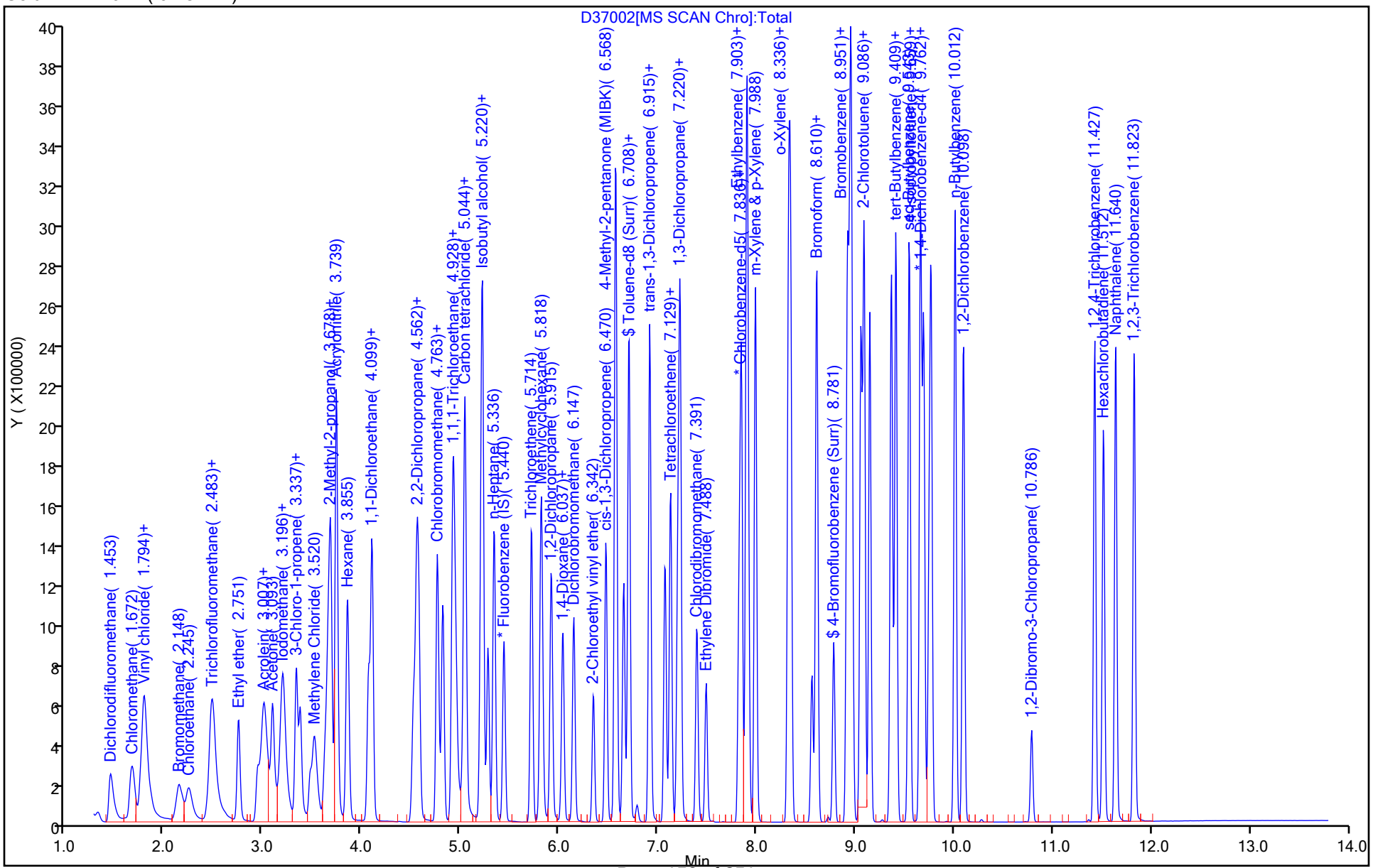
Report Date: 11-Oct-2020 11:14:58 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37002.D

Injection Date:	10-Oct-2020 15:12:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37003.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 10-Oct-2020 15:35:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0094037-017
Operator ID: LH Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:15:00 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 10:33:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.440	0.000	98	158355	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.824	-0.006	89	340443	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.750	9.750	0.000	95	358008	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.952	0.000	93	232132	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.214	5.220	-0.006	95	136011	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	6.653	6.653	0.000	94	788791	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.781	0.000	92	284139	25.0	25.4	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	99	1094625	100.0	101.0	
12 Chloromethane	50	1.672	1.666	0.006	99	1256143	100.0	94.3	
13 Vinyl chloride	62	1.770	1.770	0.000	98	1160739	100.0	98.4	
144 Butadiene	54	1.788	1.794	-0.006	97	1027597	100.0	99.3	
14 Bromomethane	94	2.148	2.148	0.000	91	718336	100.0	103.6	
15 Chloroethane	64	2.245	2.245	0.000	98	596117	100.0	88.7	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	98	1338390	100.0	98.6	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	98	1555040	100.0	92.5	
18 Ethyl ether	59	2.751	2.751	0.000	97	699361	100.0	95.8	
20 Acrolein	56	2.940	2.947	-0.007	99	356236	500.0	516.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.989	0.000	95	769601	100.0	99.8	
22 1,1-Dichloroethene	96	3.008	3.008	0.000	97	743026	100.0	100.6	
23 Acetone	43	3.093	3.099	-0.006	98	1372526	500.0	462.4	
25 Iodomethane	142	3.184	3.184	0.000	99	1550811	100.0	102.0	
26 Carbon disulfide	76	3.197	3.203	-0.007	100	2595667	100.0	97.9	
28 3-Chloro-1-propene	41	3.337	3.337	0.000	88	1325729	100.0	93.8	
27 Methyl acetate	43	3.373	3.379	-0.006	99	1328086	200.0	190.1	
30 Methylene Chloride	84	3.520	3.520	0.000	96	912430	100.0	99.1	
31 2-Methyl-2-propanol	59	3.623	3.629	-0.006	99	979874	1000.0	1044.7	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	98	2342774	100.0	99.3	
34 trans-1,2-Dichloroethene	96	3.684	3.690	-0.006	96	841543	100.0	99.4	
33 Acrylonitrile	53	3.739	3.745	-0.006	98	3271955	1000.0	977.1	
35 Hexane	57	3.855	3.855	0.000	95	1169162	100.0	95.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.068	4.068	0.000	97	1537809	100.0	95.9	
37 Vinyl acetate	43	4.099	4.105	-0.006	97	4194601	200.0	205.4	
44 2,2-Dichloropropane	77	4.526	4.526	0.000	92	922092	100.0	96.2	
45 cis-1,2-Dichloroethene	96	4.556	4.556	0.000	84	934830	100.0	95.9	
43 2-Butanone (MEK)	43	4.574	4.580	-0.006	99	2253070	500.0	482.8	
48 Chlorobromomethane	128	4.763	4.763	0.000	97	527705	100.0	96.7	
49 Tetrahydrofuran	42	4.769	4.775	-0.006	87	560257	200.0	187.2	
50 Chloroform	83	4.818	4.818	0.000	95	1617813	100.0	92.3	
51 1,1,1-Trichloroethane	97	4.922	4.922	0.000	99	1338273	100.0	99.6	
52 Cyclohexane	56	4.928	4.928	0.000	95	1414940	100.0	95.8	
55 Carbon tetrachloride	117	5.038	5.038	0.000	98	1246500	100.0	103.1	
54 1,1-Dichloropropene	75	5.044	5.044	0.000	96	1156045	100.0	96.7	
53 Isobutyl alcohol	43	5.202	5.202	0.000	92	1029788	2500.0	2636.8	
57 Benzene	78	5.221	5.220	0.000	98	3242805	100.0	94.5	
58 1,2-Dichloroethane	62	5.275	5.275	0.000	98	1316237	100.0	91.2	
59 n-Heptane	43	5.336	5.342	-0.006	95	1288749	100.0	92.3	
62 Trichloroethene	95	5.714	5.720	-0.006	97	931264	100.0	97.4	
64 Methylcyclohexane	83	5.818	5.818	0.000	94	1372605	100.0	96.2	
65 1,2-Dichloropropane	63	5.915	5.922	-0.007	92	891189	100.0	95.7	
66 1,4-Dioxane	88	6.025	6.025	0.000	97	133031	2000.0	1903.9	
67 Dibromomethane	93	6.037	6.037	0.000	96	640406	100.0	97.3	
68 Dichlorobromomethane	83	6.147	6.147	0.000	98	1284556	100.0	103.3	
69 2-Chloroethyl vinyl ether	63	6.342	6.348	-0.006	93	581613	100.0	104.7	
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	94	1455539	100.0	102.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.568	6.574	-0.006	98	4814623	500.0	483.1	
74 Toluene	92	6.708	6.708	0.000	98	2147649	100.0	95.8	
77 trans-1,3-Dichloropropene	75	6.915	6.915	0.000	98	1432760	100.0	105.4	
75 Ethyl methacrylate	69	6.921	6.921	0.000	91	1175721	100.0	105.6	
79 1,1,2-Trichloroethane	83	7.068	7.074	-0.006	92	731840	100.0	99.3	
81 Tetrachloroethene	166	7.129	7.129	0.000	95	995289	100.0	95.4	
82 1,3-Dichloropropane	76	7.202	7.202	0.000	96	1356982	100.0	96.5	
80 2-Hexanone	43	7.226	7.226	0.000	97	3517635	500.0	489.9	
83 Chlorodibromomethane	129	7.391	7.391	0.000	90	1110575	100.0	111.4	
84 Ethylene Dibromide	107	7.488	7.488	0.000	98	975461	100.0	100.4	
87 Chlorobenzene	112	7.842	7.842	0.000	97	2516918	100.0	96.1	
88 Ethylbenzene	91	7.897	7.897	0.000	99	4177530	100.0	97.6	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	95	954373	100.0	104.8	
90 m-Xylene & p-Xylene	106	7.988	7.988	0.000	99	1623284	100.0	98.5	
91 o-Xylene	106	8.324	8.324	0.000	97	1594870	100.0	99.1	
92 Styrene	104	8.342	8.342	0.000	94	2774376	100.0	101.1	
95 Bromoform	173	8.561	8.561	0.000	97	783379	100.0	121.2	
94 Isopropylbenzene	105	8.610	8.610	0.000	96	4155674	100.0	97.4	
101 Bromobenzene	156	8.915	8.921	-0.006	97	1198106	100.0	96.5	
97 1,1,2,2-Tetrachloroethane	83	8.927	8.927	0.000	95	1254964	100.0	99.0	
99 N-Propylbenzene	91	8.951	8.951	0.000	99	5086188	100.0	96.7	
98 trans-1,4-Dichloro-2-butene	53	8.964	8.964	0.000	76	398039	100.0	109.2	
100 1,2,3-Trichloropropane	110	8.970	8.970	0.000	87	332985	100.0	96.9	
103 2-Chlorotoluene	126	9.055	9.055	0.000	97	1029484	100.0	95.8	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	95	3574751	100.0	98.0	
105 4-Chlorotoluene	126	9.147	9.147	0.000	98	1089355	100.0	97.0	
106 tert-Butylbenzene	134	9.366	9.366	0.000	93	712117	100.0	96.8	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	98	3674957	100.0	97.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.549	9.543	0.006	95	4634612	100.0	96.4	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	4003819	100.0	97.5	
111 1,3-Dichlorobenzene	146	9.695	9.695	0.000	99	2216150	100.0	96.8	
113 1,4-Dichlorobenzene	146	9.768	9.768	0.000	95	2260179	100.0	96.4	
115 n-Butylbenzene	91	10.012	10.012	0.000	98	3771641	100.0	99.6	
116 1,2-Dichlorobenzene	146	10.098	10.098	0.000	99	2217231	100.0	98.2	
117 1,2-Dibromo-3-Chloropropane	75	10.786	10.786	0.000	91	236114	100.0	111.4	
119 1,2,4-Trichlorobenzene	180	11.427	11.427	0.000	95	1652306	100.0	103.5	
120 Hexachlorobutadiene	225	11.518	11.518	0.000	97	795673	100.0	100.6	
121 Naphthalene	128	11.640	11.640	0.000	97	3992133	100.0	102.4	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	96	1555587	100.0	102.8	
S 124 Xylenes, Total	1				0			197.7	
S 125 1,2-Dichloroethene, Total	1				0			195.3	
S 126 1,3-Dichloropropene, Total	1				0			207.4	
S 123 Total BTEX	1				0			485.6	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added: 50.00	Units: uL	
GAS CORP mix_00421	Amount Added: 50.00	Units: uL	
D 8260 IS/SUR_00022	Amount Added: 1.00	Units: uL	Run Reagent

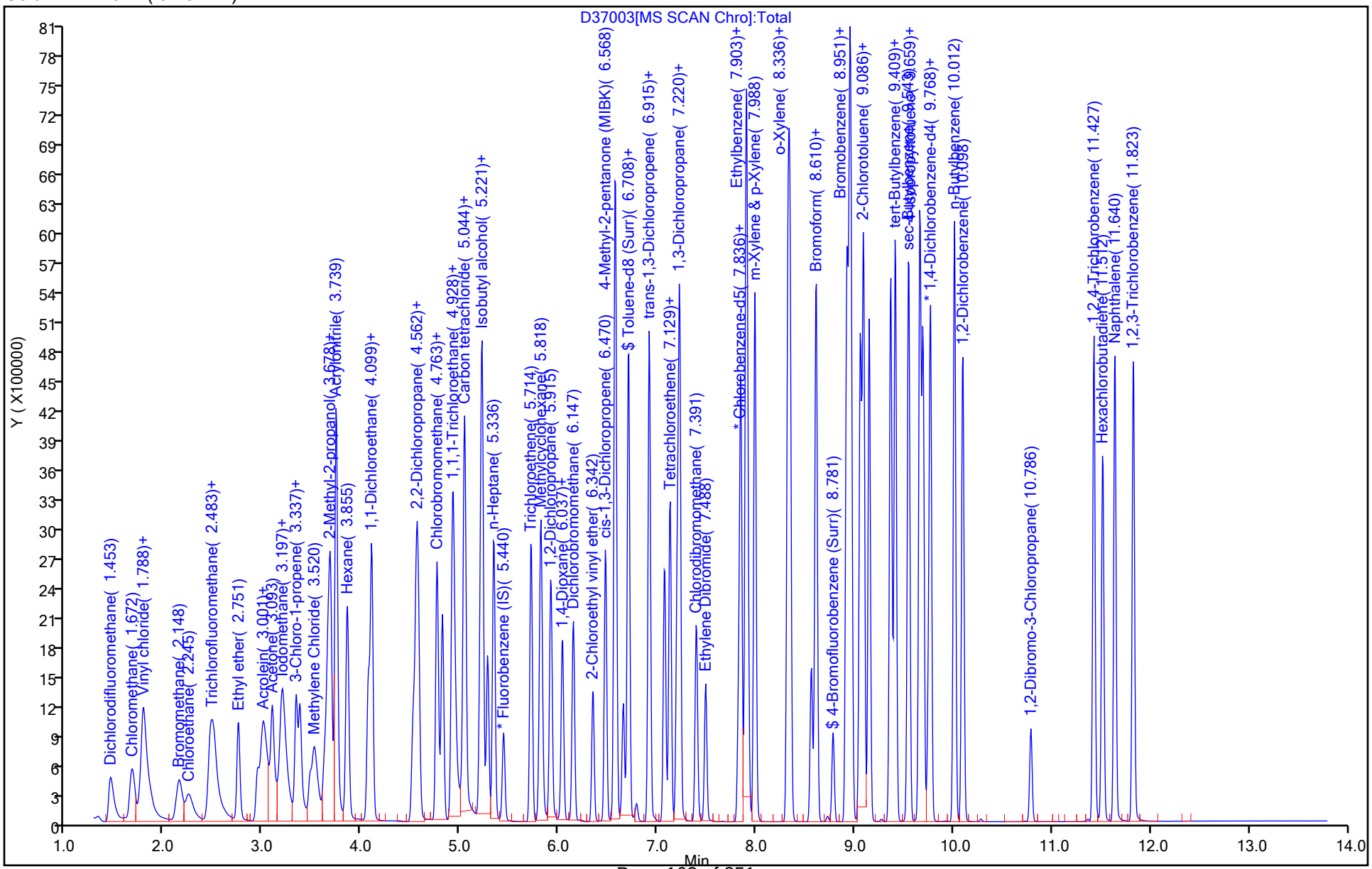
Report Date: 11-Oct-2020 11:15:00 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37003.D

Injection Date:	10-Oct-2020 15:35:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 555950

SDG No.:

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2020 14:14 Calibration End Date: 10/27/2020 17:06 Calibration ID: 40515

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-555950/11	L3492.D
Level 2	IC 480-555950/12	L3493.D
Level 3	IC 480-555950/13	L3494.D
Level 4	IC 480-555950/14	L3495.D
Level 5	IC 480-555950/15	L3496.D
Level 6	ICIS 480-555950/16	L3497.D
Level 7	IC 480-555950/17	L3498.D
Level 8	IC 480-555950/18	L3499.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.9662	1.3322 1.9579	1.4619 1.8010	1.7503	1.7568	Lin1	-0.587	1.8748			0.1000				0.9980		0.9900
Chloromethane	+++++ 1.7710	1.7958 1.6910	1.7282 1.6467	1.8260	1.7124	Ave		1.7387			0.1000	3.6		20.0			
Butadiene	+++++ 1.9404	1.8270 1.8897	1.8156 1.8024	1.9464	1.9046	Ave		1.8752				3.2		20.0			
Vinyl chloride	1.1139 1.9654	1.6385 1.9763	1.7777 1.9081	2.0037	1.8680	Lin1	-0.293	1.9412			0.1000				1.0000		0.9900
Bromomethane	2.0236 1.6721	1.8607 1.7571	2.1596 1.6326	2.0374	1.7819	Ave		1.8656			0.1000	10.2		20.0			
Chloroethane	1.2096 1.4200	1.4164 1.4495	1.5432 1.3218	1.4433	1.3630	Ave		1.3959			0.1000	7.1		20.0			
Dichlorofluoromethane	2.1145 2.5703	2.4707 2.6318	2.5097 2.4283	2.5817	2.4548	Ave		2.4702				6.5		20.0			
Trichlorofluoromethane	+++++ 2.8225	2.2992 2.7834	2.5054 2.6085	2.6728	2.6230	Ave		2.6164			0.1000	6.7		20.0			
Ethyl ether	+++++ 1.2414	1.3551 1.2136	1.3605 1.1782	1.2772	1.2087	Ave		1.2621				5.7		20.0			
Acrolein	+++++ 0.1886	0.1730 0.1880	0.1594 0.1912	0.1789	0.1729	Ave		0.1789				6.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.6049	1.4132 1.5687	1.5996 1.4982	1.5097	1.4843	Ave		1.5255			0.1000	4.6		20.0			
1,1-Dichloroethene	+++++ 1.4556	1.2899 1.4043	1.4533 1.3599	1.3803	1.3573	Ave		1.3858			0.1000	4.2		20.0			
Acetone	0.5409 0.4982	0.4948 0.4672	0.5563 0.4636	0.5062	0.4821	Ave		0.5012			0.1000	6.6		20.0			
Iodomethane	2.1300 2.7108	2.6157 2.7006	2.7502 2.6029	2.6571	2.5581	Ave		2.5907				7.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 555950

SDG No.:

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2020 14:14 Calibration End Date: 10/27/2020 17:06 Calibration ID: 40515

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 4.7071	4.3782 4.7412	4.7092 4.5542	4.6187	4.4641	Ave		4.5961			0.1000	3.0		20.0			
Allyl chloride	+++++ 1.9021	1.7264 1.8174	1.9499 1.7925	1.8799	1.8062	Ave		1.8392				4.1		20.0			
Methyl acetate	1.1760 1.1295	1.1541 1.0623	1.1226 1.0529	1.1557	1.1061	Ave		1.1199			0.1000	4.0		20.0			
Methylene Chloride	+++++ 1.7771	5.6394 1.6235	3.8930 1.5312	2.4477	1.9940	Lin1	4.4197	1.5202			0.1000				0.9990		0.9900
2-Methyl-2-propanol	+++++ 0.1854	0.1628 0.1830	0.1701 0.1930	0.1780	0.1752	Ave		0.1782				5.6		20.0			
Methyl tert-butyl ether	3.6331 4.1605	3.8633 4.1150	4.2104 4.1298	4.0538	3.9903	Ave		4.0195			0.1000	4.7		20.0			
trans-1,2-Dichloroethene	+++++ 1.6284	1.5287 1.6152	1.6408 1.5564	1.6815	1.5717	Ave		1.6032			0.1000	3.3		20.0			
Acrylonitrile	0.5446 0.6179	0.6077 0.5922	0.6053 0.5796	0.6133	0.6005	Ave		0.5951				4.0		20.0			
Hexane	+++++ 2.1566	1.9263 2.0759	2.1484 1.9955	2.0632	2.0508	Ave		2.0595				3.9		20.0			
Vinyl acetate	+++++ 2.9607	2.5431 2.9801	2.6558 3.0673	2.7495	2.7457	Ave		2.8146				6.8		20.0			
1,1-Dichloroethane	+++++ 2.5924	2.4939 2.5472	2.6799 2.4881	2.6516	2.5086	Ave		2.5659			0.2000	3.0		20.0			
2,2-Dichloropropane	+++++ 1.6252	1.5463 1.6870	1.8065 1.5914	1.6519	1.5491	Ave		1.6368				5.6		20.0			
cis-1,2-Dichloroethene	+++++ 1.7681	1.6806 1.7475	1.7595 1.6954	1.7747	1.6777	Ave		1.7291			0.1000	2.5		20.0			
2-Butanone (MEK)	0.7176 0.7715	0.7845 0.7391	0.7598 0.7365	0.7597	0.7497	Ave		0.7523			0.1000	2.8		20.0			
Chlorobromomethane	+++++ 0.9644	0.9002 0.9322	0.9329 0.9130	0.9421	0.9506	Ave		0.9336				2.3		20.0			
Tetrahydrofuran	0.4966 0.4762	0.5025 0.4564	0.5055 0.4579	0.4659	0.4537	Ave		0.4768				4.6		20.0			
Chloroform	3.1229 2.7526	3.0820 2.6904	2.9733 2.6136	2.8524	2.6631	Ave		2.8438			0.2000	6.9		20.0			
1,1,1-Trichloroethane	+++++ 2.4807	2.2442 2.4691	2.4100 2.4017	2.4128	2.3214	Ave		2.3914			0.1000	3.5		20.0			
Cyclohexane	+++++ 2.5421	2.1913 2.4770	2.3571 2.3722	2.3960	2.3809	Ave		2.3881			0.1000	4.6		20.0			
1,1-Dichloropropene	+++++ 2.1682	1.9597 2.1171	2.2179 2.0679	2.1458	2.0630	Ave		2.1057				4.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 555950

SDG No.:

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2020 14:14 Calibration End Date: 10/27/2020 17:06 Calibration ID: 40515

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	+++++ 2.2515	1.9620 2.2691	2.1038 2.2186	2.1196	2.0936	Ave		2.1455			0.1000	5.1		20.0			
Isobutyl alcohol	+++++ 0.0751	0.0615 0.0741	0.0638 0.0767	0.0709	0.0688	Ave		0.0701				8.2		20.0			
Benzene	4.8349 6.0419	5.9111 5.9074	6.3298 5.7425	6.1300	5.8824	Ave		5.8475			0.5000	7.6		20.0			
1,2-Dichloroethane	1.8900 2.1292	2.2095 2.0692	2.2289 2.0310	2.1775	2.0433	Ave		2.0973			0.1000	5.4		20.0			
n-Heptane	+++++ 1.8273	1.7372 1.7728	1.9236 1.6982	1.7907	1.7051	Ave		1.7793				4.4		20.0			
Trichloroethene	+++++ 1.6837	1.5345 1.6587	1.7210 1.6103	1.6672	1.6375	Ave		1.6447			0.2000	3.6		20.0			
Methylcyclohexane	+++++ 2.7933	2.4009 2.7457	2.6165 2.6169	2.5160	2.5832	Ave		2.6103			0.1000	5.1		20.0			
1,2-Dichloropropane	+++++ 1.4474	1.5653 1.4361	1.4745 1.4010	1.4681	1.4191	Ave		1.4588			0.1000	3.7		20.0			
1,4-Dioxane	+++++ 0.0043	+++++ 0.0044	0.0033 0.0044	0.0041	0.0046	Ave		0.0042				10.9		20.0			
Dibromomethane	0.8515 1.0513	1.0465 1.0378	1.0871 1.0289	1.0777	1.0304	Ave		1.0264			0.1000	7.2		20.0			
Bromodichloromethane	1.4604 2.0375	1.9116 2.0084	1.9674 2.0177	1.9395	1.8854	Ave		1.9035			0.2000	9.8		20.0			
2-Chloroethyl vinyl ether	+++++ 1.0234	0.8831 1.0428	0.9230 1.0375	0.9369	0.9571	Ave		0.9720				6.5		20.0			
cis-1,3-Dichloropropene	1.9253 2.3984	2.1522 2.4221	2.2155 2.4257	2.2630	2.2311	Ave		2.2542			0.2000	7.5		20.0			
4-Methyl-2-pentanone (MIBK)	0.2919 0.3585	0.3323 0.3447	0.3575 0.3541	0.3548	0.3575	Ave		0.3439			0.1000	6.6		20.0			
Toluene	0.7839 0.9070	0.8904 0.8722	0.9809 0.8834	0.9194	0.9089	Ave		0.8933			0.4000	6.2		20.0			
Ethyl methacrylate	+++++ 0.4532	0.3741 0.4555	0.4025 0.4718	0.4112	0.4222	Ave		0.4272				8.1		20.0			
trans-1,3-Dichloropropene	0.4076 0.5309	0.4811 0.5254	0.4956 0.5440	0.4892	0.5097	Ave		0.4980			0.1000	8.5		20.0			
1,1,2-Trichloroethane	0.2283 0.2736	0.2777 0.2642	0.2883 0.2662	0.2741	0.2745	Ave		0.2684			0.1000	6.6		20.0			
Tetrachloroethene	+++++ 0.4350	0.4019 0.4183	0.4538 0.4184	0.4296	0.4342	Ave		0.4273			0.2000	3.8		20.0			
1,3-Dichloropropane	0.4844 0.5596	0.5814 0.5349	0.5854 0.5419	0.5642	0.5549	Ave		0.5508				5.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 555950

SDG No.:

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2020 14:14 Calibration End Date: 10/27/2020 17:06 Calibration ID: 40515

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.2209 0.2700	0.2374 0.2571	0.2515 0.2606	0.2539	0.2586	Ave		0.2513			0.1000	6.1		20.0			
Dibromochloromethane	0.2523 0.3775	0.3449 0.3765	0.3563 0.4000	0.3511	0.3622	Ave		0.3526			0.1000	12.5		20.0			
1,2-Dibromoethane	0.3212 0.3614	0.3469 0.3509	0.3763 0.3606	0.3716	0.3677	Ave		0.3571				4.9		20.0			
Chlorobenzene	0.8986 1.0323	1.0206 0.9998	1.1230 1.0122	1.0557	1.0622	Ave		1.0256			0.5000	6.3		20.0			
Ethylbenzene	+++++ 1.6990	1.6781 1.6586	1.8280 1.6571	1.6778	1.6952	Ave		1.6991			0.1000	3.5		20.0			
1,1,1,2-Tetrachloroethane	0.2583 0.3726	0.3369 0.3666	0.3631 0.3753	0.3554	0.3589	Ave		0.3484				11.0		20.0			
m,p-Xylene	+++++ 0.6912	0.6676 0.6637	0.7107 0.6705	0.6638	0.6836	Ave		0.6787			0.1000	2.6		20.0			
o-Xylene	+++++ 0.6567	0.6051 0.6418	0.6721 0.6555	0.6374	0.6492	Ave		0.6454			0.3000	3.3		20.0			
Styrene	0.8536 1.1213	0.9735 1.0867	1.0645 1.1258	1.0563	1.1034	Ave		1.0481			0.3000	8.8		20.0			
Bromoform	+++++ 0.2487	0.1881 0.2508	0.2145 0.2694	0.2170	0.2274	Ave		0.2308			0.1000	11.9		20.0			
Isopropylbenzene	+++++ 3.0966	3.0471 3.0806	3.2994 3.1850	3.0096	3.2441	Ave		3.1375			0.1000	3.4		20.0			
1,1,2,2-Tetrachloroethane	0.8665 0.8350	0.8968 0.8208	0.9512 0.8520	0.8694	0.9039	Ave		0.8745			0.3000	4.8		20.0			
Bromobenzene	0.6859 0.8140	0.8370 0.7999	0.9069 0.8327	0.8296	0.8794	Ave		0.8232				7.9		20.0			
N-Propylbenzene	+++++ 3.6934	3.6023 3.6398	4.0207 3.7633	3.6996	3.8776	Ave		3.7567				3.9		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2189	0.1415 0.2297	0.1939 0.2501	0.1878	0.2148	Lin1	-0.134	0.2410							0.9970		0.9900
1,2,3-Trichloropropane	0.2545 0.2858	0.3095 0.2762	0.3166 0.2843	0.2971	0.3043	Ave		0.2910				6.9		20.0			
2-Chlorotoluene	+++++ 0.7766	0.7962 0.7577	0.8535 0.7826	0.7651	0.8131	Ave		0.7921				4.1		20.0			
1,3,5-Trimethylbenzene	+++++ 2.5921	2.4081 2.5806	2.7616 2.6511	2.5740	2.7130	Ave		2.6115				4.4		20.0			
4-Chlorotoluene	1.7342 2.1454	2.2026 2.1136	2.4003 2.1765	2.1826	2.3006	Ave		2.1570				9.0		20.0			
tert-Butylbenzene	+++++ 0.5997	0.5566 0.6056	0.6307 0.6262	0.5866	0.6340	Ave		0.6056				4.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 555950

SDG No.:

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2020 14:14 Calibration End Date: 10/27/2020 17:06 Calibration ID: 40515

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	+++++ 2.6068	2.4236 2.6069	2.8304 2.7199	2.5900	2.7636	Ave		2.6488				5.1		20.0			
sec-Butylbenzene	+++++ 3.3714	3.0059 3.3526	3.6836 3.4624	3.2834	3.5114	Ave		3.3815				6.2		20.0			
4-Isopropyltoluene	+++++ 2.9518	2.6435 2.9383	3.1257 3.0879	2.8530	3.0840	Ave		2.9549				5.7		20.0			
1,3-Dichlorobenzene	1.4484 1.5654	1.5916 1.5381	1.8475 1.6157	1.6328	1.7140	Ave		1.6192			0.6000	7.4		20.0			
1,4-Dichlorobenzene	1.5704 1.5984	1.8183 1.5727	1.8748 1.6319	1.6775	1.7416	Ave		1.6857			0.5000	6.8		20.0			
n-Butylbenzene	+++++ 2.5813	2.4251 2.5907	2.8445 2.6859	2.4849	2.6925	Ave		2.6150				5.4		20.0			
1,2-Dichlorobenzene	1.4101 1.5373	1.6593 1.5149	1.7724 1.5640	1.5642	1.6791	Ave		1.5877			0.4000	7.1		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1478	0.1324 0.1505	0.1444 0.1620	0.1336	0.1463	Ave		0.1453			0.0500	7.0		20.0			
1,2,4-Trichlorobenzene	0.8303 1.0380	0.9767 1.0277	1.1041 1.0779	1.0161	1.0979	Ave		1.0211			0.2000	8.7		20.0			
Hexachlorobutadiene	0.2434 0.4457	0.3761 0.4389	0.4703 0.4476	0.4033	0.4597	Lin1	-0.066	0.4468							1.0000		0.9900
Naphthalene	2.3884 2.7649	2.5001 2.7514	2.8123 2.9135	2.5600	2.8492	Ave		2.6925				6.9		20.0			
1,2,3-Trichlorobenzene	0.7805 0.9704	0.9057 0.9573	1.0632 1.0022	0.9376	1.0178	Ave		0.9543				9.0		20.0			
Dibromofluoromethane (Surr)	1.4868 1.5268	1.5277 1.4911	1.4849 1.5121	1.4642	1.4764	Ave		1.4962				1.6		20.0			
1,2-Dichloroethane-d4 (Surr)	1.5833 1.5800	1.6192 1.5552	1.5783 1.5514	1.5383	1.5388	Ave		1.5681				1.7		20.0			
Toluene-d8 (Surr)	1.2477 1.2404	1.2780 1.1745	1.2831 1.2376	1.1975	1.2542	Ave		1.2391				3.0		20.0			
4-Bromofluorobenzene (Surr)	0.3963 0.4238	0.4158 0.3774	0.4015 0.4191	0.3797	0.4188	Ave		0.4041				4.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1 Analy Batch No.: 555950

SDG No.:

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2020 14:14 Calibration End Date: 10/27/2020 17:06 Calibration ID: 40515

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-555950/11	L3492.D
Level 2	IC 480-555950/12	L3493.D
Level 3	IC 480-555950/13	L3494.D
Level 4	IC 480-555950/14	L3495.D
Level 5	IC 480-555950/15	L3496.D
Level 6	ICIS 480-555950/16	L3497.D
Level 7	IC 480-555950/17	L3498.D
Level 8	IC 480-555950/18	L3499.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Lin1	+++++ 290138	7559 592727	17387 1110142	51797	106067	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 261331	10190 511939	20554 1015004	54038	103383	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 286334	10367 572081	21594 1111012	57601	114988	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Lin1	2585 290015	9297 598294	21143 1176141	59295	112780	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	4696 246730	10558 531929	25685 1006311	60293	107583	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2807 209540	8037 438820	18354 814748	42713	82290	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	4907 379281	14019 796753	29849 1496822	76401	148208	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 416487	13046 842623	29798 1607888	79095	158361	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	+++++ 183176	7689 367396	16181 726237	37797	72975	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 139152	4909 284537	9479 589297	26465	52203	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 236818	8019 474887	19025 923496	44677	89614	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	+++++ 214788	7319 425125	17285 838230	40847	81946	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	6276 367611	14039 707148	33083 1428768	74896	145518	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	4943 400009	14842 817557	32709 1604417	78633	154442	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 694589	24843 1435334	56008 2807252	136682	269515	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
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RESPONSE AND CONCENTRATION

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SDG No.:

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2020 14:14 Calibration End Date: 10/27/2020 17:06 Calibration ID: 40515

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	+++++ 280683	9796 550188	23191 1104889	55632	109049	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	5458 333337	13097 643163	26704 1298003	68400	133554	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	+++++ 262231	31999 491480	46301 943866	72436	120384	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 273564	9236 553998	20236 1189887	52690	105763	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	8431 613928	21921 1245772	50076 2545656	119964	240913	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 240285	8674 488977	19515 959387	49762	94889	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	12637 911785	34480 1792896	71987 3572453	181497	362572	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	+++++ 318223	10930 628450	25552 1230014	61056	123818	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	+++++ 873765	28860 1804374	63172 3781453	162731	331534	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
1,1-Dichloroethane	FB	Ave	+++++ 382535	14151 771121	31873 1533665	78468	151452	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2,2-Dichloropropane	FB	Ave	+++++ 239814	8774 510722	21485 980929	48885	93524	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 260899	9536 529033	20926 1045040	52520	101292	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	8326 569184	22258 1118801	45182 2269822	112415	226327	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	+++++ 142303	5108 282211	11095 562751	27879	57389	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	2305 140536	5703 276325	12023 564512	27572	54778	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	7247 406172	17488 814477	35363 1611010	84411	160782	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	+++++ 366056	12734 747482	28663 1480401	71401	140152	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 375119	12434 749868	28034 1462263	70904	143744	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 319945	11120 640914	26378 1274688	63502	124553	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 332234	11133 686935	25021 1367568	62724	126398	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 276957	8722 560535	18961 1181472	52427	103880	+++++ 625	25.0 1250	50.0 2500	125	250

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SDG No.:

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/27/2020 14:14 Calibration End Date: 10/27/2020 17:06 Calibration ID: 40515

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	11220 891552	33541 1788372	75283 3539676	181406	355146	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	4386 314186	12537 626416	26509 1251926	64438	123365	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 269637	9857 536686	22878 1046796	52993	102945	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	+++++ 248450	8707 502139	20469 992590	49336	98864	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 412182	13623 831208	31119 1613087	74455	155957	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	+++++ 213581	8882 434761	17537 863591	43445	85676	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 56409	+++++ 119784	3277 234451	10502	23540	+++++ 500	+++++ 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	1976 155130	5938 314181	12929 634191	31892	62212	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	3389 300651	10847 608005	23399 1243743	57396	113830	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 151007	5011 315707	10978 639499	27725	57782	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	4468 353911	12212 733262	26350 1495202	66969	134703	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	14481 1168830	40356 2339926	87871 4722837	228770	456207	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	7778 591408	21624 1184146	48222 2356860	118559	231978	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	+++++ 295501	9085 618387	19789 1258731	53028	107761	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	4044 346193	11685 713321	24363 1451338	63087	130100	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	2265 178429	6744 358709	14173 710119	35342	70070	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 283661	9761 567861	22311 1116268	55394	110811	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	4806 364915	14119 726207	28776 1445631	72751	141633	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	10961 880252	28825 1745300	61828 3476683	163728	330065	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	2503 246128	8376 511211	17514 1067228	45278	92443	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	3187 235620	8425 476462	18499 961970	47914	93850	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	8916 673132	24787 1357447	55205 2700447	136138	271088	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	+++++ 1107805	40754 2251860	89865 4420901	216364	432646	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	2563 242945	8182 497755	17848 1001252	45831	91589	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	+++++ 450674	16214 901076	34936 1788683	85601	174478	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	+++++ 428212	14695 871314	33042 1748732	82201	165693	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	8469 731137	23643 1475382	52331 3003391	136214	281610	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	+++++ 162156	4567 340502	10545 718675	27987	58035	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	+++++ 1135359	39011 2299868	84308 4572700	214374	437113	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	4433 306151	11482 612809	24304 1223184	61930	121790	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	3509 298457	10716 597154	23172 1195552	59093	118496	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	+++++ 1354187	46120 2717392	102737 5402990	263524	522467	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	+++++ 80253	1812 171501	4954 359007	13376	28946	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	1302 104779	3963 206192	8089 408121	21166	40995	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 284724	10193 565652	21810 1123608	54499	109559	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 950395	30830 1926593	70564 3806225	183346	365547	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	8872 786629	28200 1577922	61334 3124791	155467	309984	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 219872	7126 452097	16115 899028	41786	85422	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 955785	31029 1946262	72323 3905051	184487	372371	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 1236128	38484 2502991	94123 4970973	233882	473120	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 1082281	33844 2193627	79868 4433302	203218	415540	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	7410 573951	20377 1148319	47208 2319755	116308	230944	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	8034 586043	23280 1174158	47905 2342882	119489	234669	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	+++++ 946436	31048 1934171	72683 3856195	177001	362790	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	7214 563634	21244 1131005	45288 2245473	111417	226246	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 54185	1695 112359	3691 232641	9519	19707	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	4248 380573	12504 767285	28213 1547585	72379	147928	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Lin1	1245 163427	4815 327679	12018 642606	28726	61936	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	12219 1013763	32008 2054140	71860 4183025	182353	383899	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	3993 355785	11595 714718	27167 1438922	66783	137142	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	215638 225294	216706 225703	220760 233012	216646	222841	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	229643 233144	229685 235412	234640 239070	227621	232262	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	773702 808797	775966 797324	788477 825412	772107	800227	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	245750 276352	252446 256217	246705 279531	244842	267195	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Oct-2020 14:14:30 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0094477-011
Operator ID: LH Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 12:33:15 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1611

First Level Reviewer: HillL Date: 28-Oct-2020 10:57:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	145039	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.446	9.447	-0.001	85	620118	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	95	319746	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	93	215638	25.0	24.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.228	0.003	98	229643	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	93	773702	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr)	174	10.655	10.652	0.003	98	245750	25.0	24.5	
10 Dichlorodifluoromethane	85	2.176	2.177	-0.001	85	1535	0.4000	0.4541	
13 Chloromethane	50	2.440	2.443	-0.003	0	3150	0.4000	0.3123	M
15 Butadiene	54	2.575	2.578	-0.003	82	3127	0.4000	0.2874	
14 Vinyl chloride	62	2.578	2.582	-0.004	56	2585	0.4000	0.3802	
18 Bromomethane	94	2.948	2.958	-0.010	87	4696	0.4000	0.4339	
19 Chloroethane	64	3.061	3.067	-0.007	69	2807	0.4000	0.3466	
20 Dichlorofluoromethane	67	3.286	3.292	-0.006	94	4907	0.4000	0.3424	
21 Trichlorofluoromethane	101	3.315	3.312	0.003	53	3023	0.4000	0.1992	M
26 Ethyl ether	59	3.585	3.585	0.000	86	3689	0.4000	0.5038	
28 Acrolein	56	3.781	3.791	-0.010	43	1505	2.00	1.45	
29 112TCTFE	101	3.810	3.816	-0.006	0	1639	0.4000	0.1852	M
30 1,1-Dichloroethene	96	3.835	3.842	-0.007	0	2121	0.4000	0.2638	M
31 Acetone	43	3.932	3.935	-0.003	98	6276	2.00	2.16	
33 Iodomethane	142	4.032	4.029	0.003	95	4943	0.4000	0.3289	
35 Carbon disulfide	76	4.077	4.083	-0.006	0	7835	0.4000	0.2938	M
37 3-Chloro-1-propene	41	4.199	4.199	0.000	85	3248	0.4000	0.3044	
38 Methyl acetate	43	4.212	4.212	0.000	94	5458	0.8000	0.8401	
39 Methylene Chloride	84	4.340	4.341	0.000	90	32772	0.4000	0.8086	
40 2-Methyl-2-propanol	59	4.433	4.431	0.002	93	2996	4.00	2.90	
41 Methyl tert-butyl ether	73	4.517	4.517	0.000	93	8431	0.4000	0.3615	
42 trans-1,2-Dichloroethene	96	4.562	4.559	0.003	95	2538	0.4000	0.2729	
44 Acrylonitrile	53	4.601	4.598	0.003	95	12637	4.00	3.66	
47 Hexane	57	4.726	4.720	0.006	0	2418	0.4000	0.2024	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
49 Vinyl acetate	43	4.967	4.958	0.009	98	9700	0.8000	0.5940	
50 1,1-Dichloroethane	63	4.958	4.961	-0.003	66	4568	0.4000	0.3069	
56 2,2-Dichloropropane	77	5.466	5.459	0.007	0	2313	0.4000	0.2436	M
57 2-Butanone (MEK)	43	5.485	5.482	0.003	98	8326	2.00	1.91	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	72	3219	0.4000	0.3209	
60 Chlorobromomethane	128	5.726	5.717	0.009	87	1365	0.4000	0.2520	
61 Tetrahydrofuran	42	5.736	5.730	0.006	76	2305	0.8000	0.8332	
62 Chloroform	83	5.761	5.762	-0.001	90	7247	0.4000	0.4393	
64 1,1,1-Trichloroethane	97	5.909	5.903	0.006	0	3289	0.4000	0.2371	M
65 Cyclohexane	56	5.916	5.922	-0.006	0	3180	0.4000	0.2295	M
67 1,1-Dichloropropene	75	6.038	6.041	-0.003	84	2733	0.4000	0.2237	
66 Carbon tetrachloride	117	6.038	6.041	-0.003	90	2945	0.4000	0.2366	
69 Isobutyl alcohol	43	6.138	6.138	0.000	88	3086	10.0	7.59	
70 Benzene	78	6.247	6.247	0.000	93	11220	0.4000	0.3307	
72 1,2-Dichloroethane	62	6.298	6.299	-0.001	92	4386	0.4000	0.3605	
73 n-Heptane	43	6.340	6.340	0.000	74	2347	0.4000	0.2274	
75 Trichloroethene	95	6.816	6.813	0.003	89	2700	0.4000	0.2830	
76 Methylcyclohexane	83	6.948	6.945	0.003	78	3022	0.4000	0.1996	
77 1,2-Dichloropropane	63	7.057	7.057	0.000	82	2728	0.4000	0.3223	
81 1,4-Dioxane	88		7.170				ND	ND	
82 Dibromomethane	93	7.199	7.202	-0.003	89	1976	0.4000	0.3318	
83 Dichlorobromomethane	83	7.318	7.318	0.000	88	3389	0.4000	0.3069	
84 2-Chloroethyl vinyl ether	63	7.536	7.540	-0.004	0	1644	0.4000	0.2915	M
85 cis-1,3-Dichloropropene	75	7.716	7.717	-0.001	91	4468	0.4000	0.3416	
87 4-Methyl-2-pentanone (MIBK)	43	7.822	7.823	-0.001	92	14481	2.00	1.70	
88 Toluene	92	8.022	8.016	0.006	97	7778	0.4000	0.3510	
90 Ethyl methacrylate	69	8.244	8.244	0.000	0	3019	0.4000	0.2849	M
91 trans-1,3-Dichloropropene	75	8.266	8.260	0.006	89	4044	0.4000	0.3274	
93 1,1,2-Trichloroethane	83	8.466	8.466	0.000	80	2265	0.4000	0.3403	
94 Tetrachloroethene	166	8.552	8.553	-0.001	92	2680	0.4000	0.2528	
95 1,3-Dichloropropane	76	8.639	8.636	0.003	0	4806	0.4000	0.3518	M
96 2-Hexanone	43	8.646	8.643	0.003	91	10961	2.00	1.76	
98 Chlorodibromomethane	129	8.887	8.887	0.000	0	2503	0.4000	0.2862	M
101 Ethylene Dibromide	107	9.022	9.022	0.000	94	3187	0.4000	0.3598	
103 Chlorobenzene	112	9.475	9.475	0.000	0	8916	0.4000	0.3505	M
104 Ethylbenzene	91	9.536	9.537	-0.001	0	12463	0.4000	0.2957	M
105 1,1,1,2-Tetrachloroethane	131	9.556	9.556	0.000	59	2563	0.4000	0.2966	
106 m-Xylene & p-Xylene	106	9.649	9.652	-0.003	94	4573	0.4000	0.2716	
107 o-Xylene	106	10.086	10.090	-0.004	93	4003	0.4000	0.2500	
109 Styrene	104	10.112	10.112	0.000	93	8469	0.4000	0.3257	
110 Bromoform	173	10.392	10.392	0.000	86	1705	0.4000	0.2978	
111 Isopropylbenzene	105	10.440	10.440	0.000	94	11194	0.4000	0.2790	
112 1,1,2,2-Tetrachloroethane	83	10.816	10.813	0.003	86	4433	0.4000	0.3964	
113 Bromobenzene	156	10.826	10.823	0.003	91	3509	0.4000	0.3333	
114 N-Propylbenzene	91	10.848	10.845	0.003	97	13898	0.4000	0.2893	
115 trans-1,4-Dichloro-2-butene	53	10.858	10.855	0.003	50	256	0.4000	0.6388	
116 1,2,3-Trichloropropane	110	10.874	10.868	0.006	57	1302	0.4000	0.3498	
117 2-Chlorotoluene	126	10.980	10.977	0.003	0	2976	0.4000	0.2938	M
118 1,3,5-Trimethylbenzene	105	11.002	11.000	0.002	91	9320	0.4000	0.2790	
119 4-Chlorotoluene	91	11.083	11.080	0.003	94	8872	0.4000	0.3216	
120 tert-Butylbenzene	134	11.314	11.318	-0.004	89	1891	0.4000	0.2441	
121 1,2,4-Trimethylbenzene	105	11.366	11.366	0.000	94	9230	0.4000	0.2725	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	11.514	11.514	0.000	92	11005	0.4000	0.2545	
123 4-Isopropyltoluene	119	11.629	11.633	-0.004	96	9792	0.4000	0.2591	
124 1,3-Dichlorobenzene	146	11.674	11.681	-0.007	91	7410	0.4000	0.3578	
126 1,4-Dichlorobenzene	146	11.758	11.758	0.000	0	8034	0.4000	0.3726	M
127 n-Butylbenzene	91	11.996	11.996	0.000	94	7936	0.4000	0.2373	
128 1,2-Dichlorobenzene	146	12.102	12.099	0.003	95	7214	0.4000	0.3553	
129 1,2-Dibromo-3-Chloropropane	75	12.774	12.774	0.000	58	391	0.4000	0.2104	
130 1,2,4-Trichlorobenzene	180	13.443	13.443	0.000	90	4248	0.4000	0.3253	
131 Hexachlorobutadiene	225	13.526	13.533	-0.007	74	1245	0.4000	0.3660	
132 Naphthalene	128	13.697	13.697	0.000	94	12219	0.4000	0.3548	
133 1,2,3-Trichlorobenzene	180	13.922	13.922	0.000	88	3993	0.4000	0.3271	
S 144 1,3-Dichloropropene, Total	1				0			0.6691	
S 141 1,2-Dichloroethene, Total	1				0			0.5938	
S 143 Xylenes, Total	1				0			0.5217	
S 142 Total BTEX	1				0			1.50	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00196	Amount Added:	0.40	Units: uL	
GAS CORP mix_00424	Amount Added:	0.40	Units: uL	
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 28-Oct-2020 12:33:16 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D

Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L

Lims ID: IC 0.4

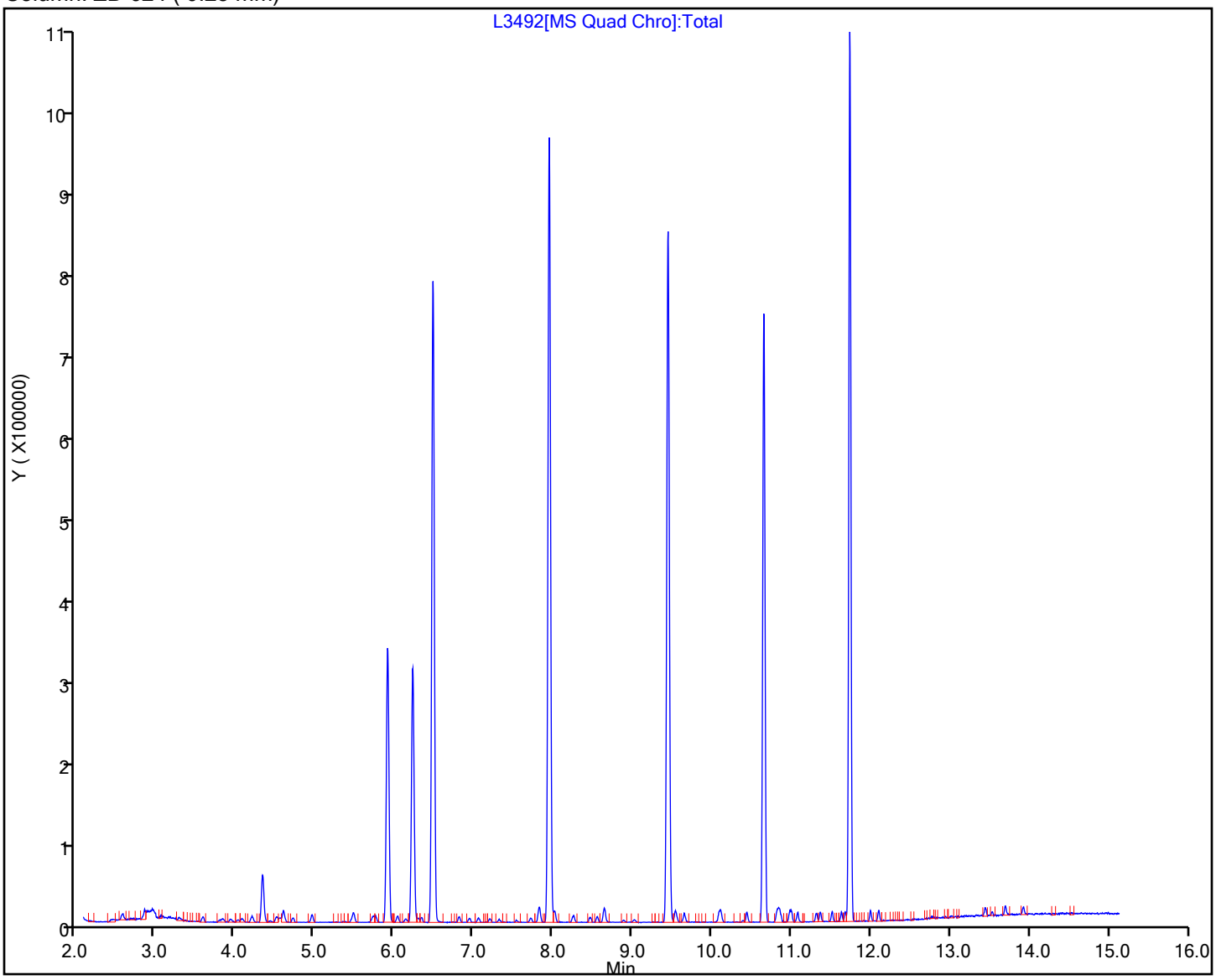
Client ID:

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

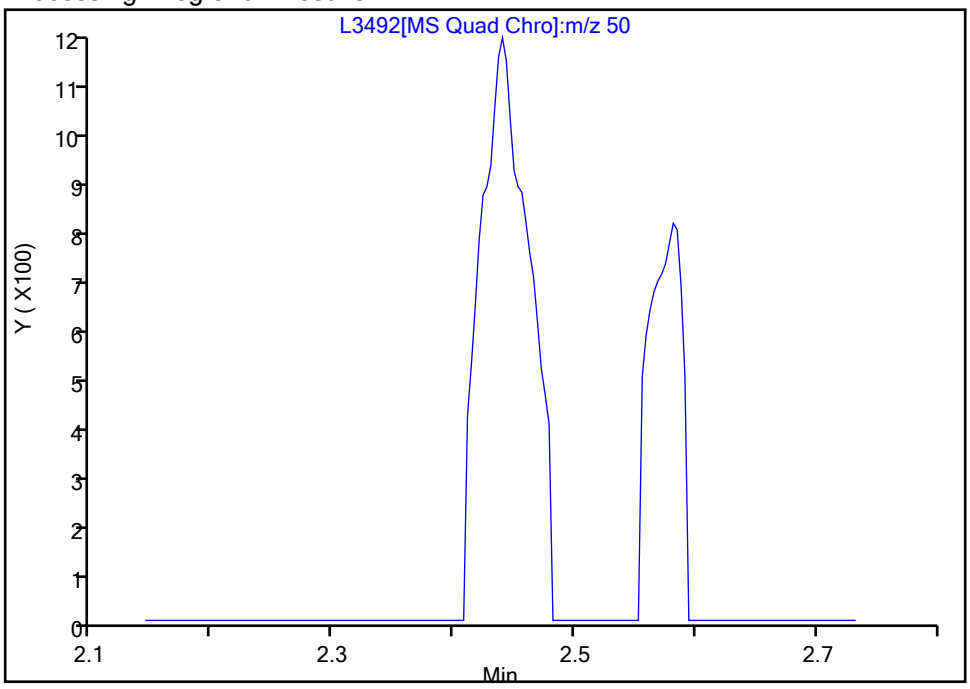
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

13 Chloromethane, CAS: 74-87-3

Signal: 1

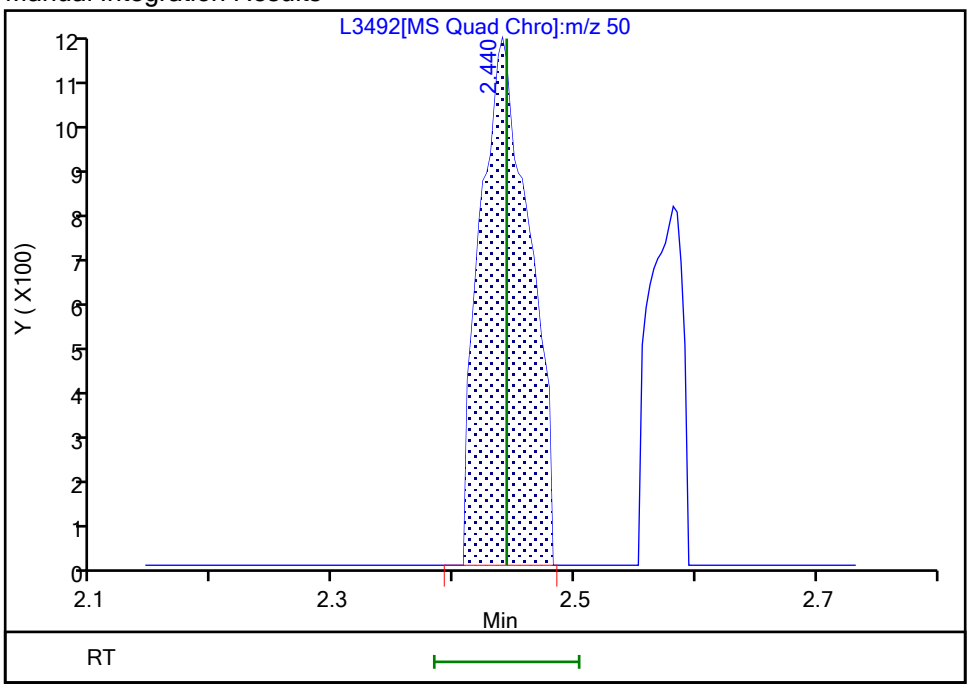
Not Detected
Expected RT: 2.44

Processing Integration Results



Manual Integration Results

RT: 2.44
Area: 3150
Amount: 0.312271
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:54:38
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

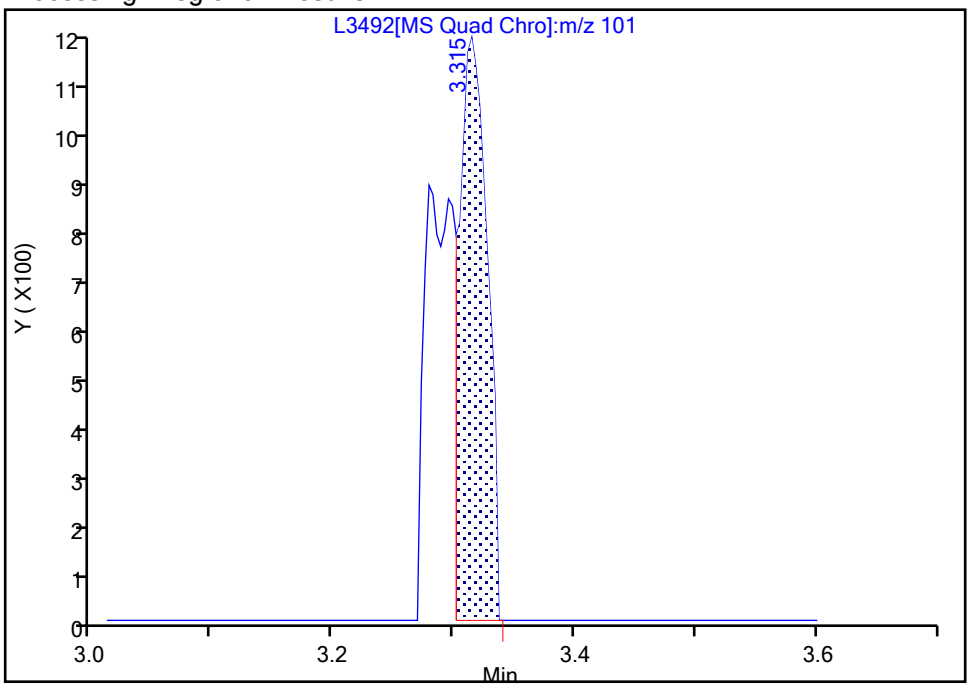
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

21 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

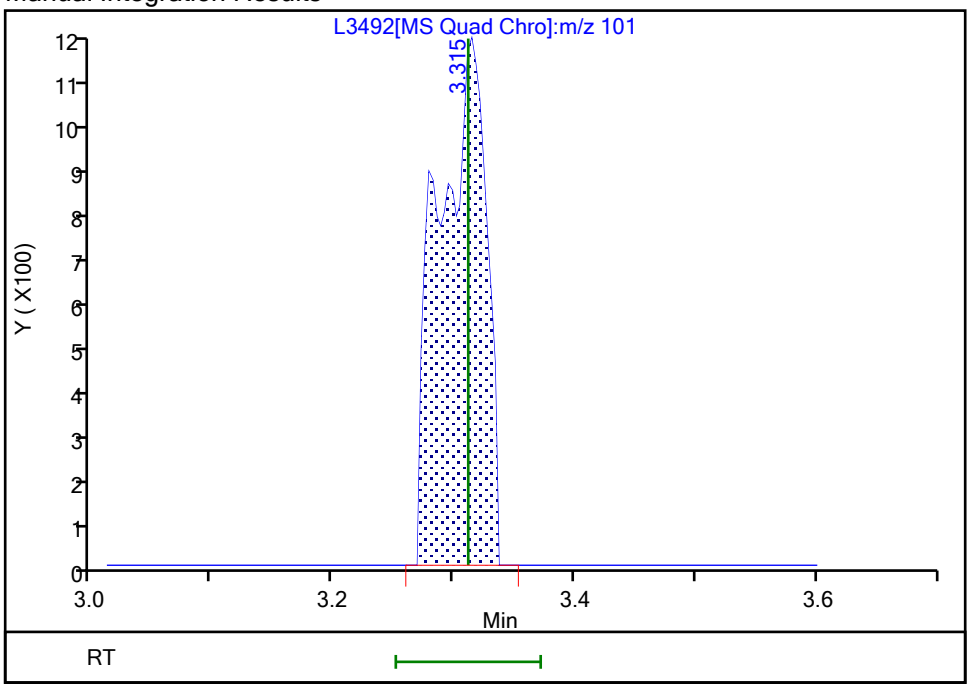
Processing Integration Results

RT: 3.31
Area: 1765
Amount: 0.327370
Amount Units: ug/L



Manual Integration Results

RT: 3.31
Area: 3023
Amount: 0.199155
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:54:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

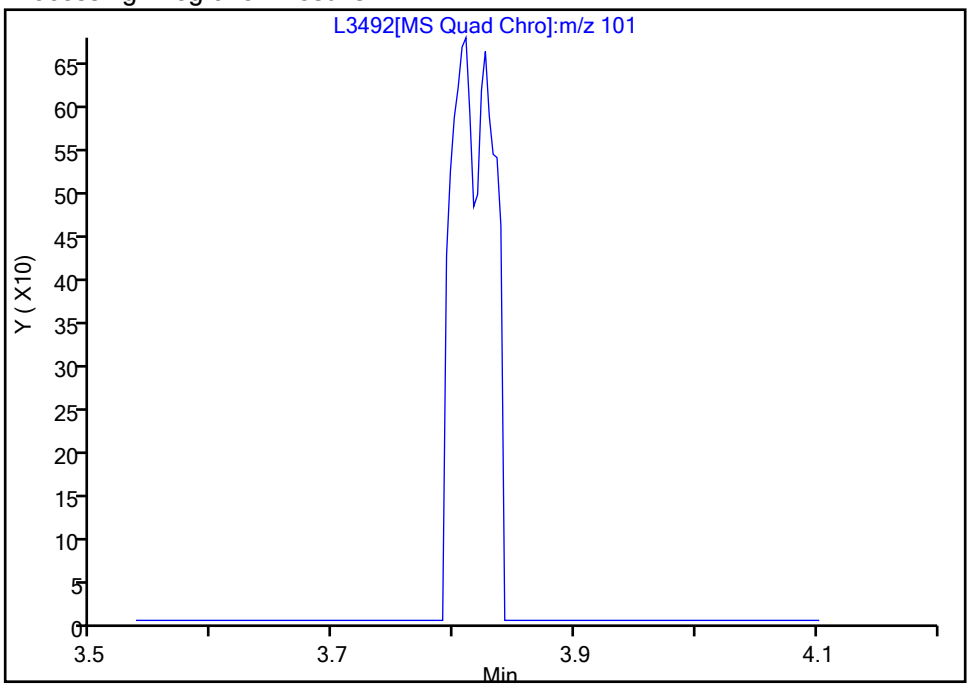
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

29 112TCTFE, CAS: 76-13-1

Signal: 1

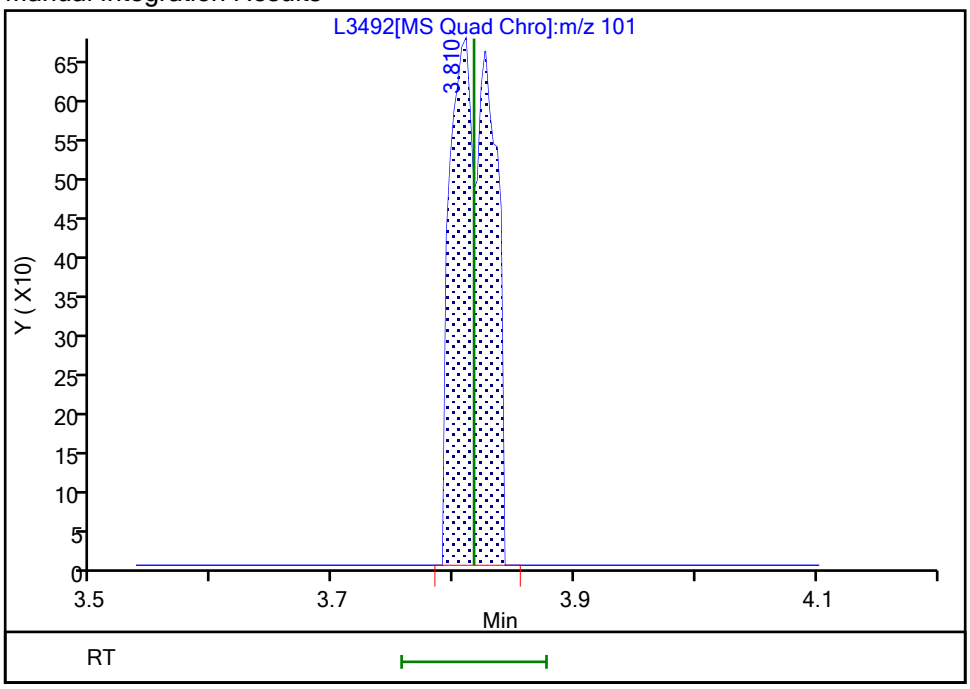
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 1639
Amount: 0.185190
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:54:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

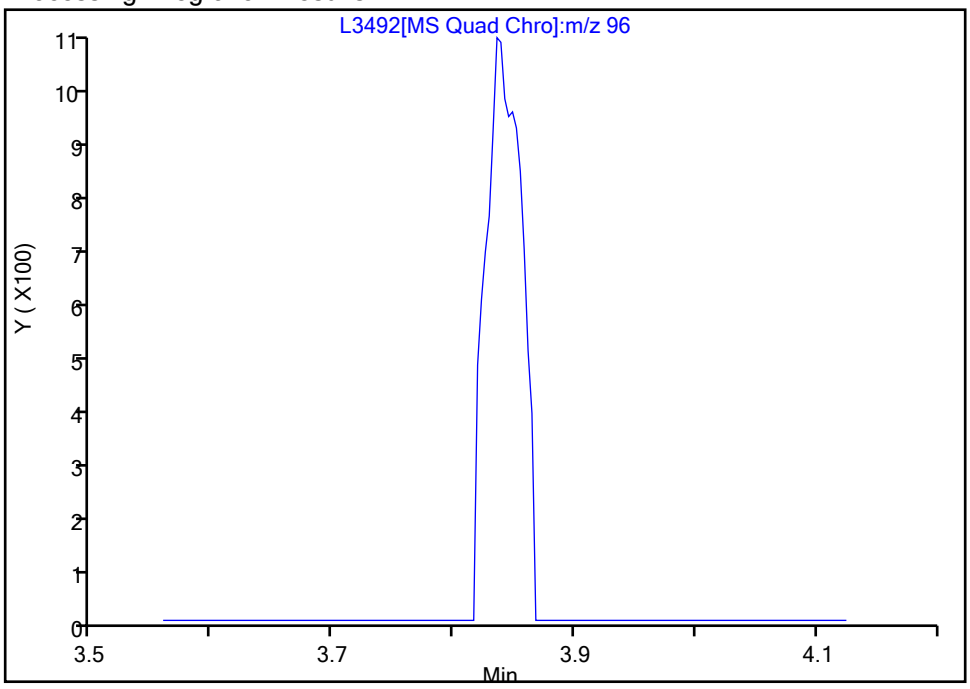
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

30 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

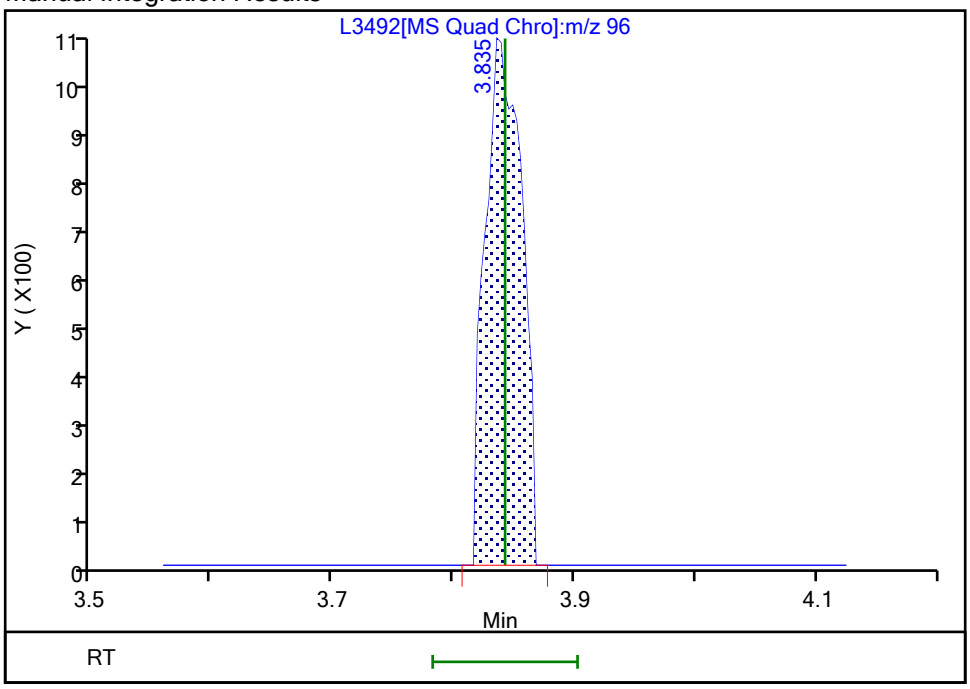
Not Detected
Expected RT: 3.84

Processing Integration Results



Manual Integration Results

RT: 3.84
Area: 2121
Amount: 0.263814
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:55:01
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

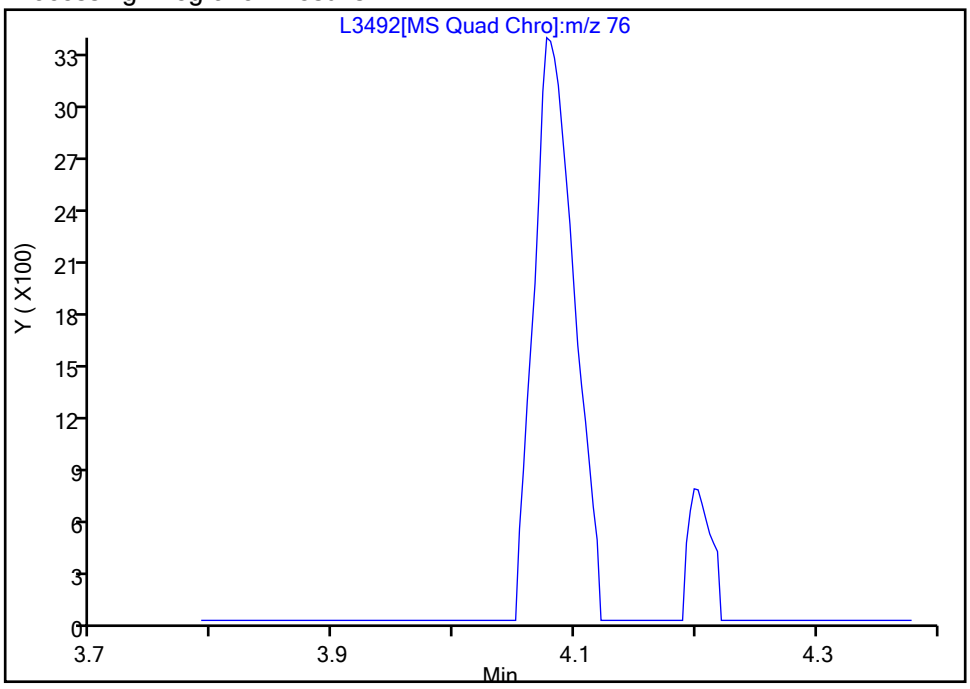
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

35 Carbon disulfide, CAS: 75-15-0

Signal: 1

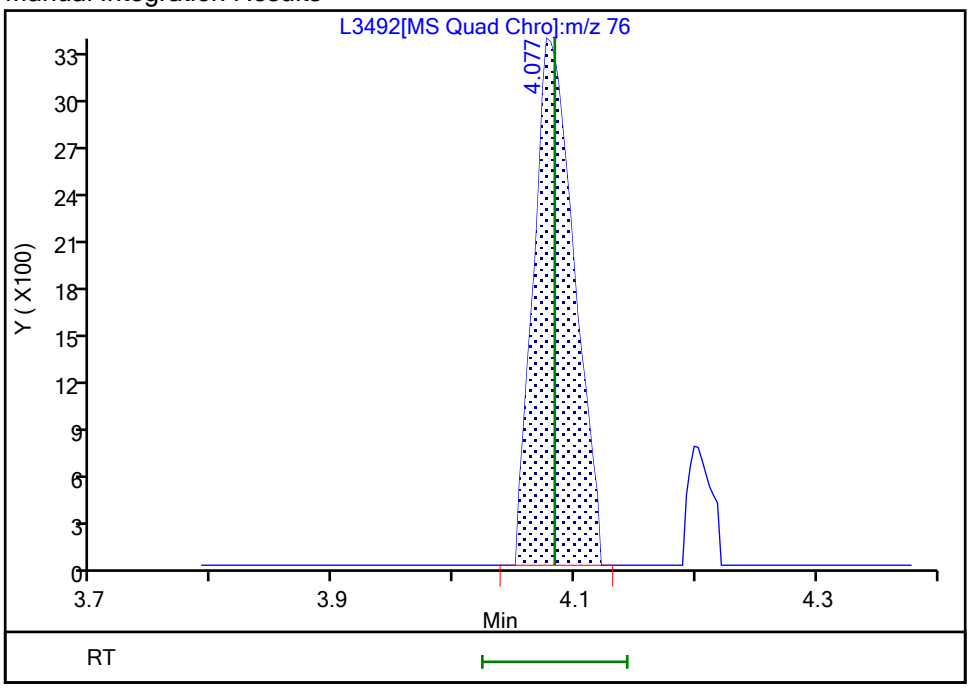
Not Detected
Expected RT: 4.08

Processing Integration Results



Manual Integration Results

RT: 4.08
Area: 7835
Amount: 0.293835
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:55:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

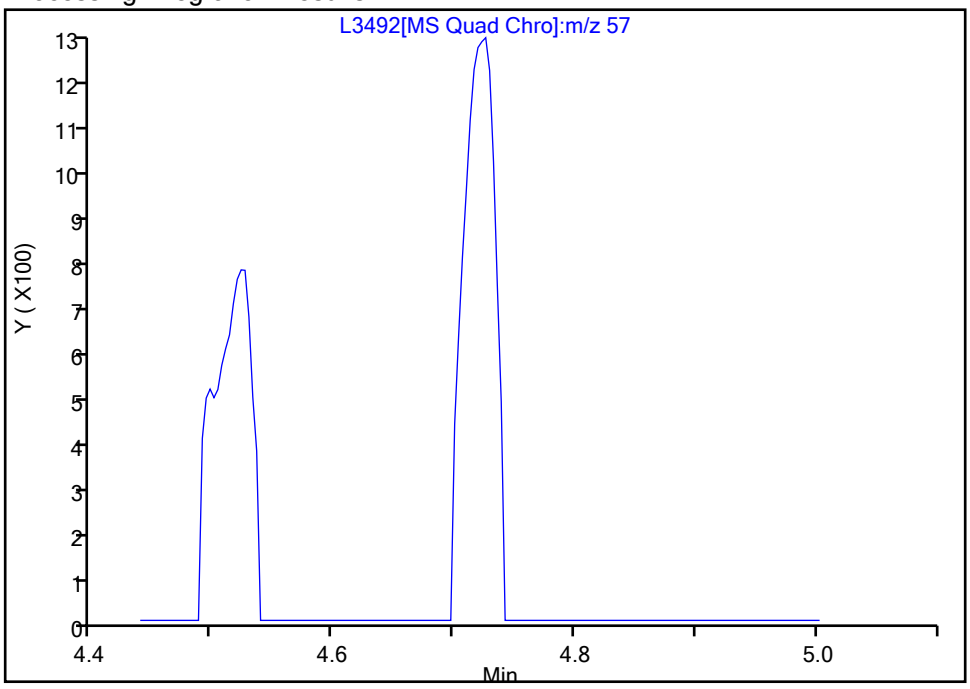
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

47 Hexane, CAS: 110-54-3

Signal: 1

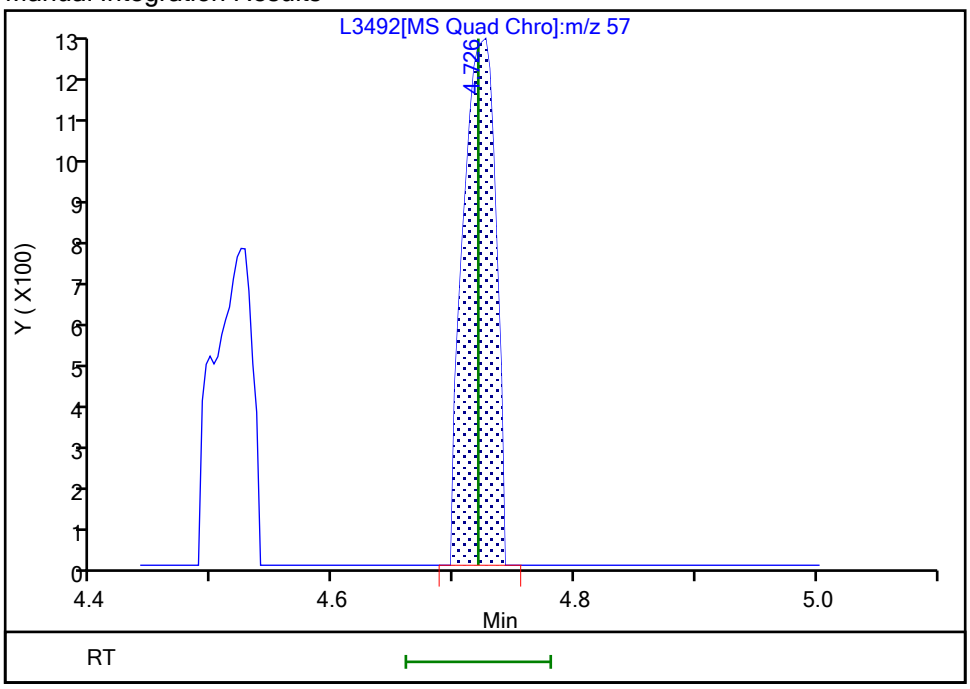
Not Detected
Expected RT: 4.72

Processing Integration Results



Manual Integration Results

RT: 4.73
Area: 2418
Amount: 0.202370
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:55:17
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

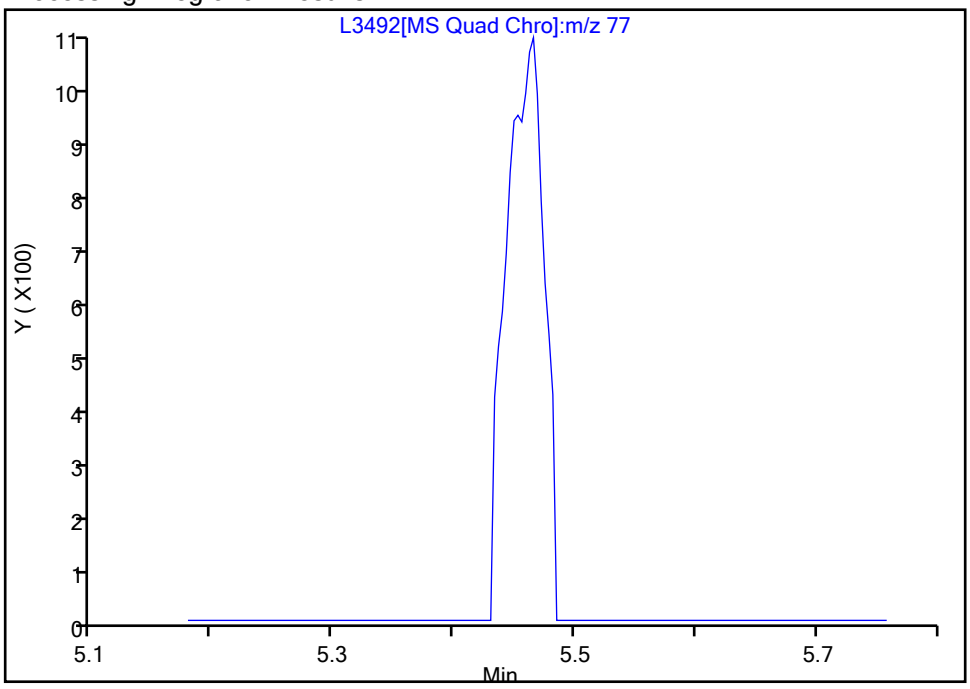
Data File:	\\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D				
Injection Date:	27-Oct-2020 14:14:30	Instrument ID:	HP5977L		
Lims ID:	IC 0.4				
Client ID:					
Operator ID:	LH	ALS Bottle#:	0	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	L-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS Quad		

56 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

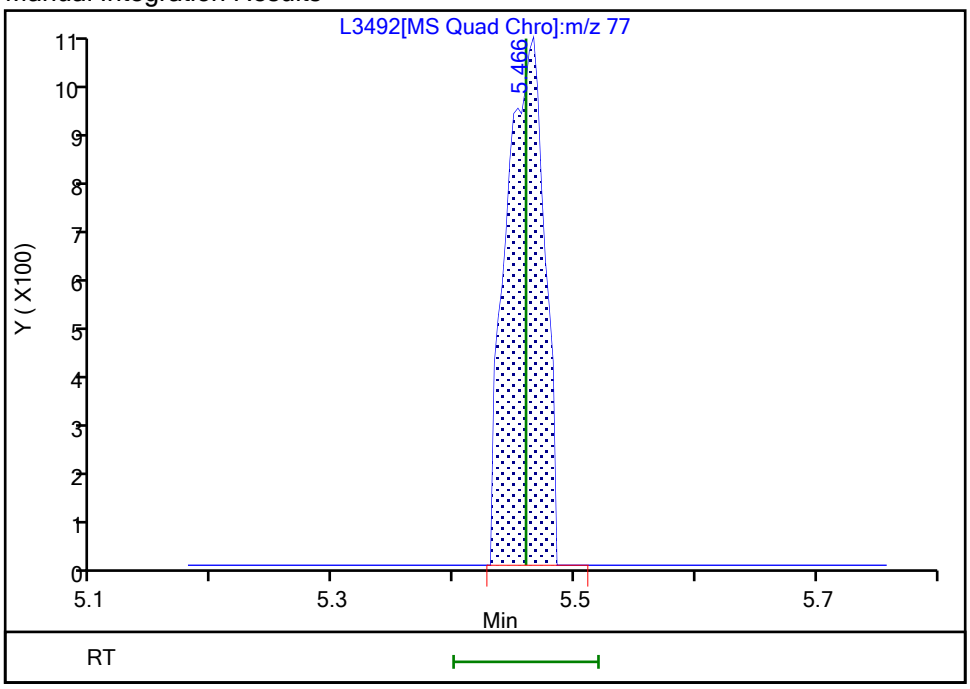
Not Detected
Expected RT: 5.46

Processing Integration Results



Manual Integration Results

RT: 5.47
Area: 2313
Amount: 0.243582
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:55:23
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

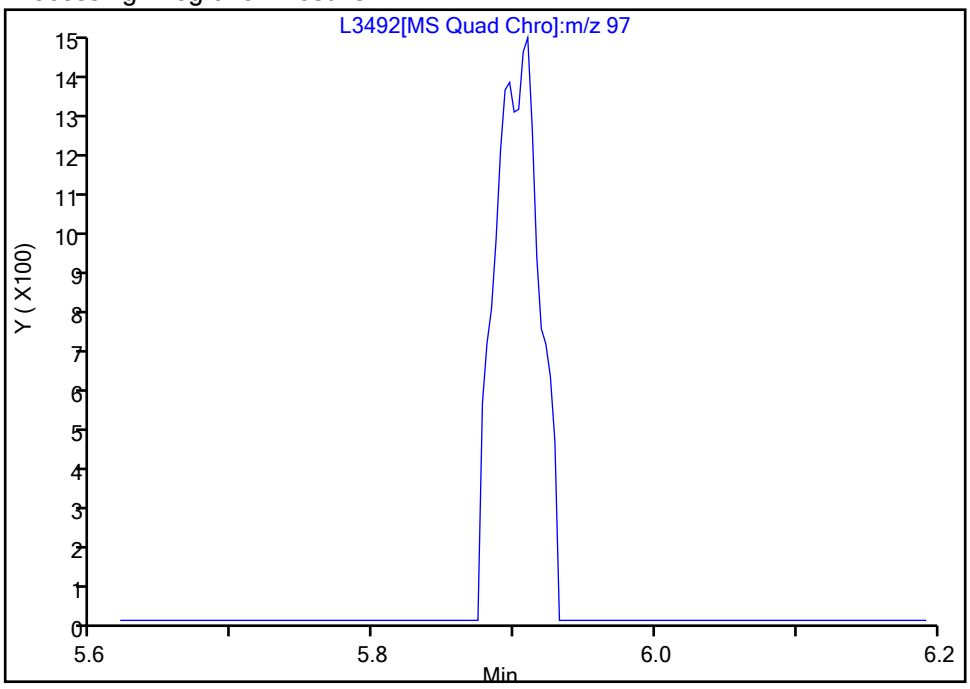
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

64 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

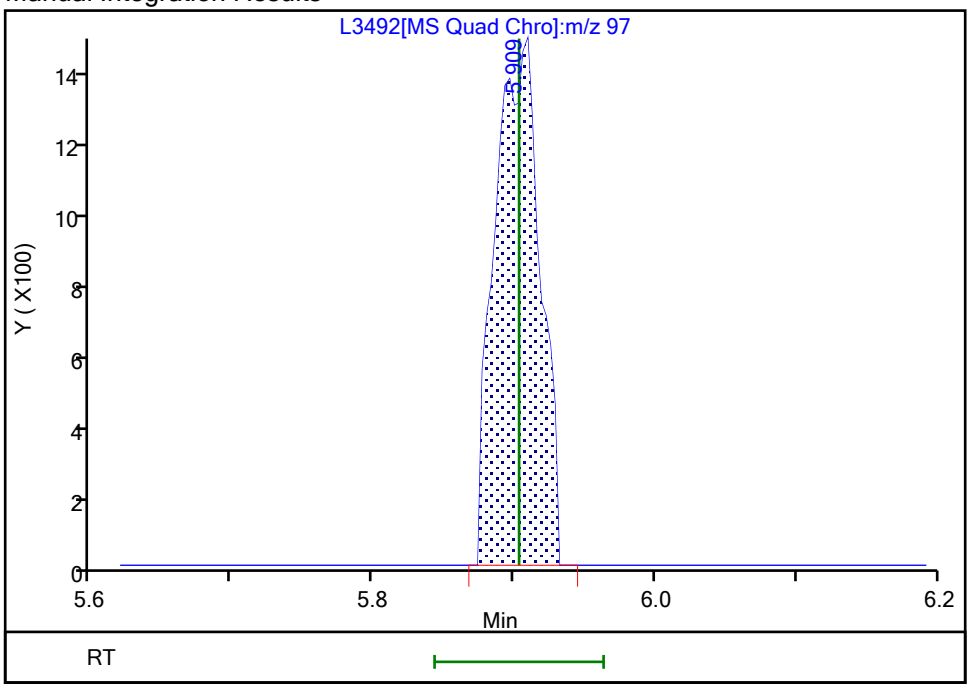
Not Detected
Expected RT: 5.90

Processing Integration Results



Manual Integration Results

RT: 5.91
Area: 3289
Amount: 0.237064
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:55:33
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

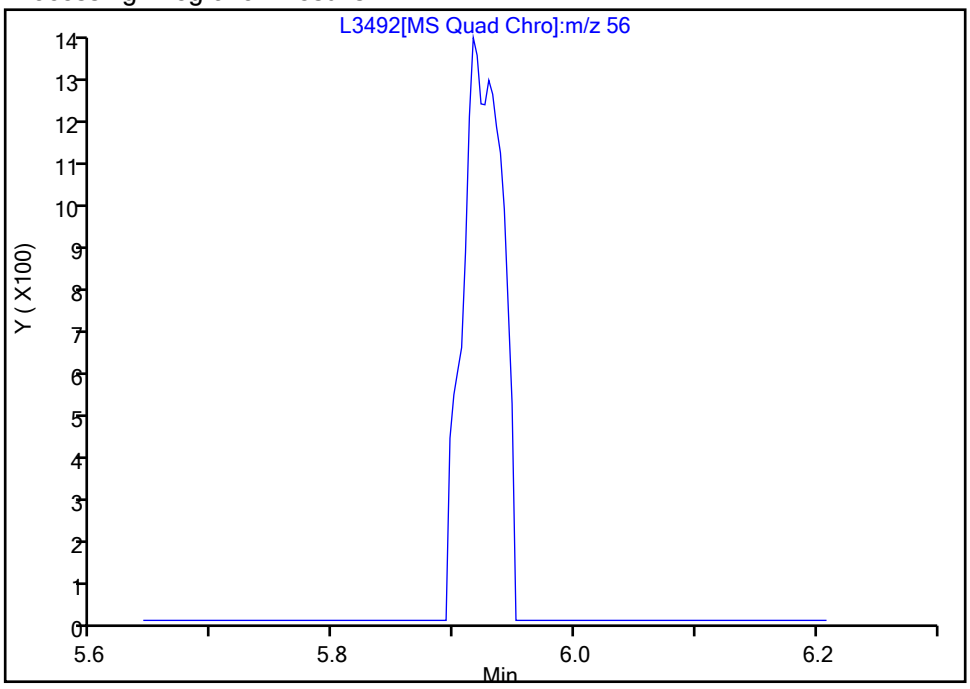
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

65 Cyclohexane, CAS: 110-82-7

Signal: 1

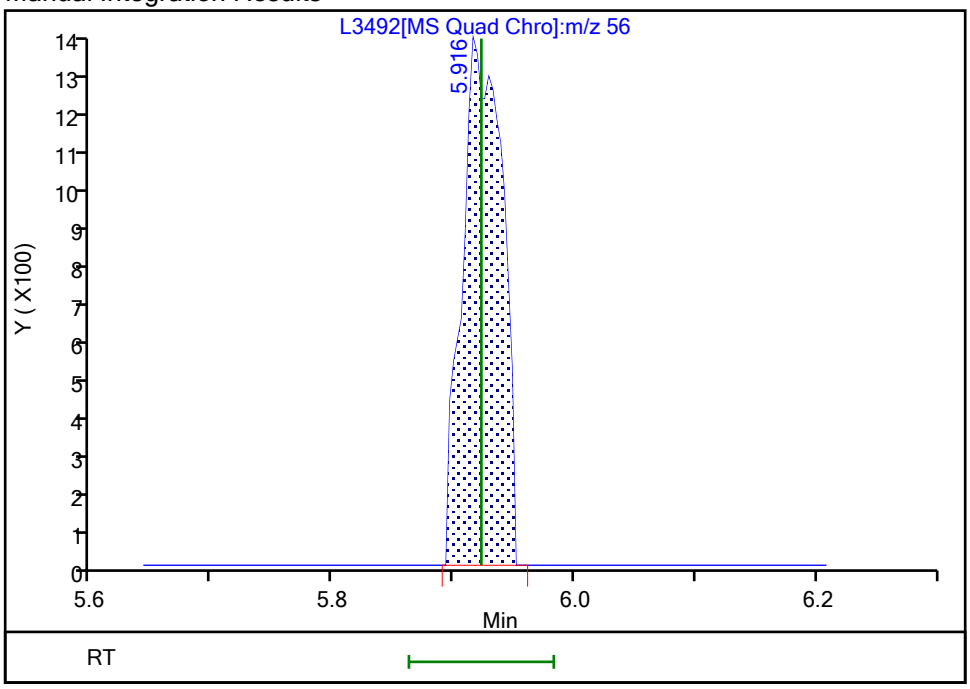
Not Detected
Expected RT: 5.92

Processing Integration Results



Manual Integration Results

RT: 5.92
Area: 3180
Amount: 0.229526
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:55:38
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

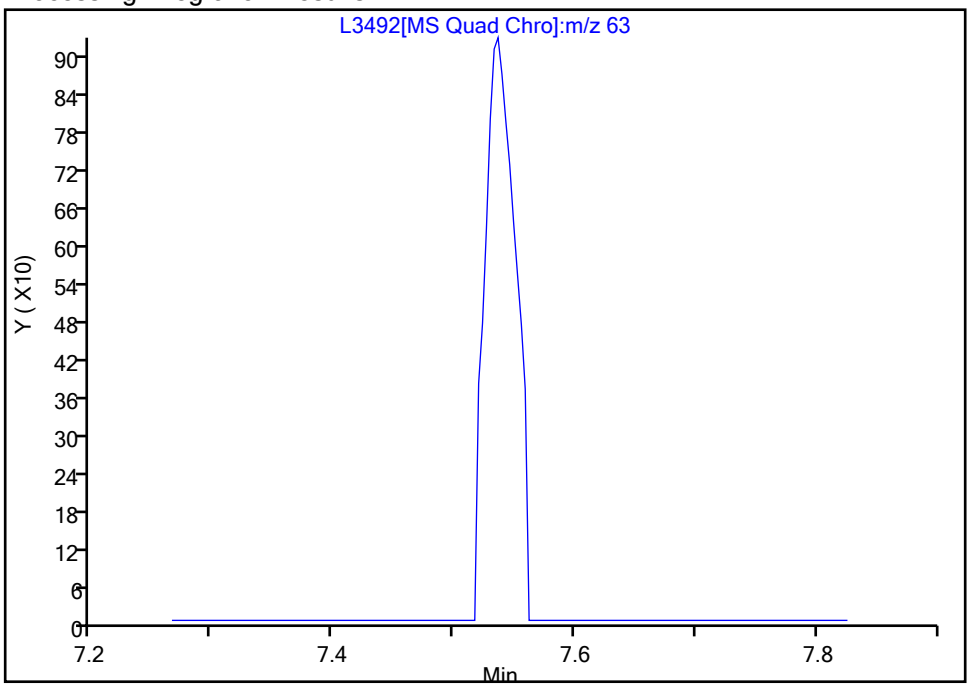
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

84 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

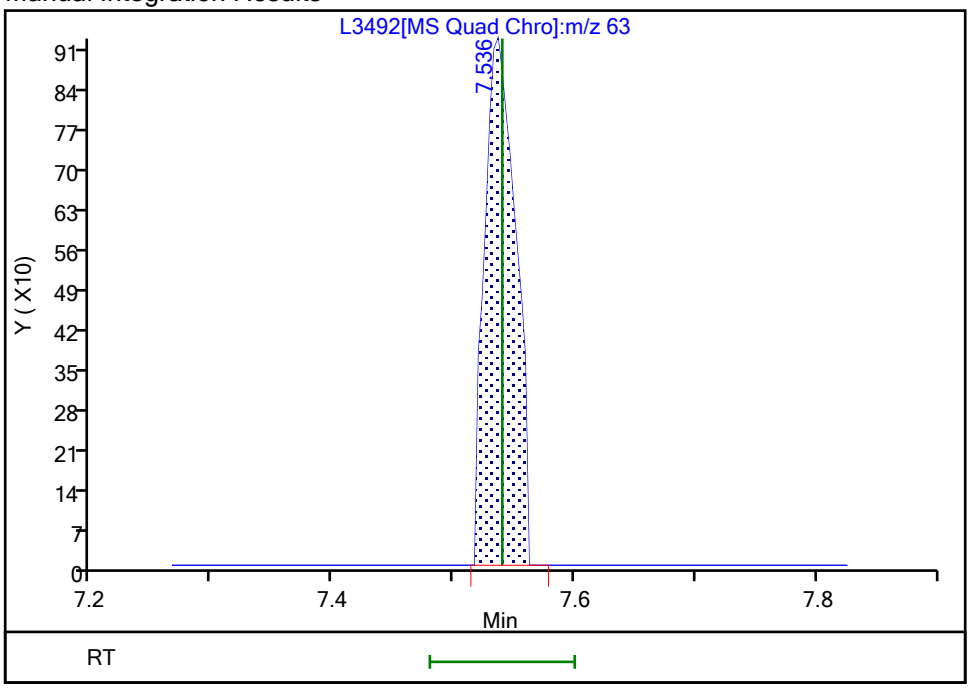
Not Detected
Expected RT: 7.54

Processing Integration Results



Manual Integration Results

RT: 7.54
Area: 1644
Amount: 0.291545
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:55:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

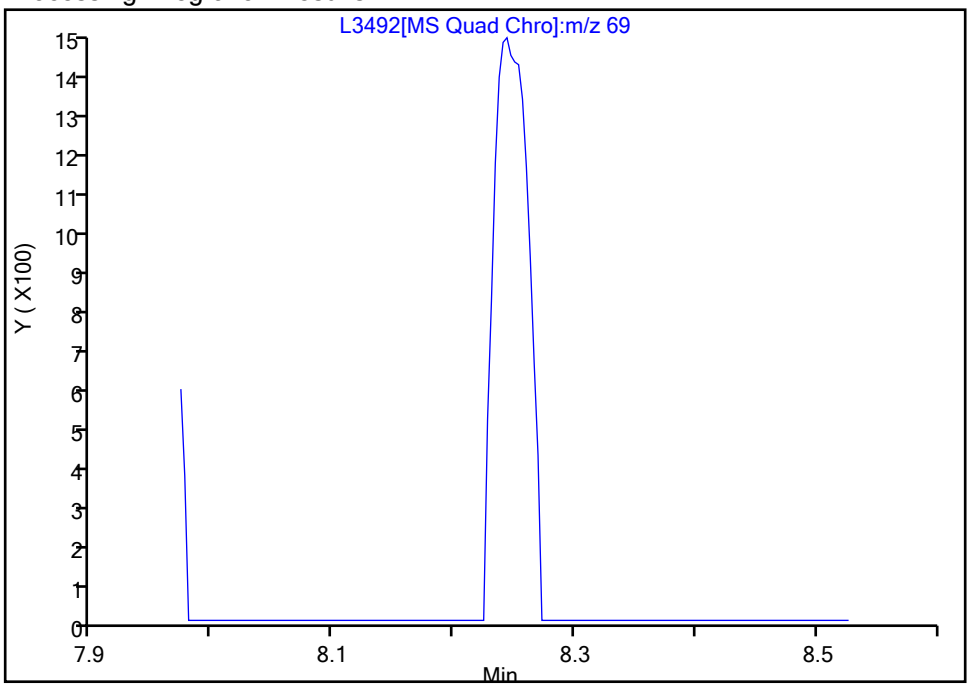
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

90 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

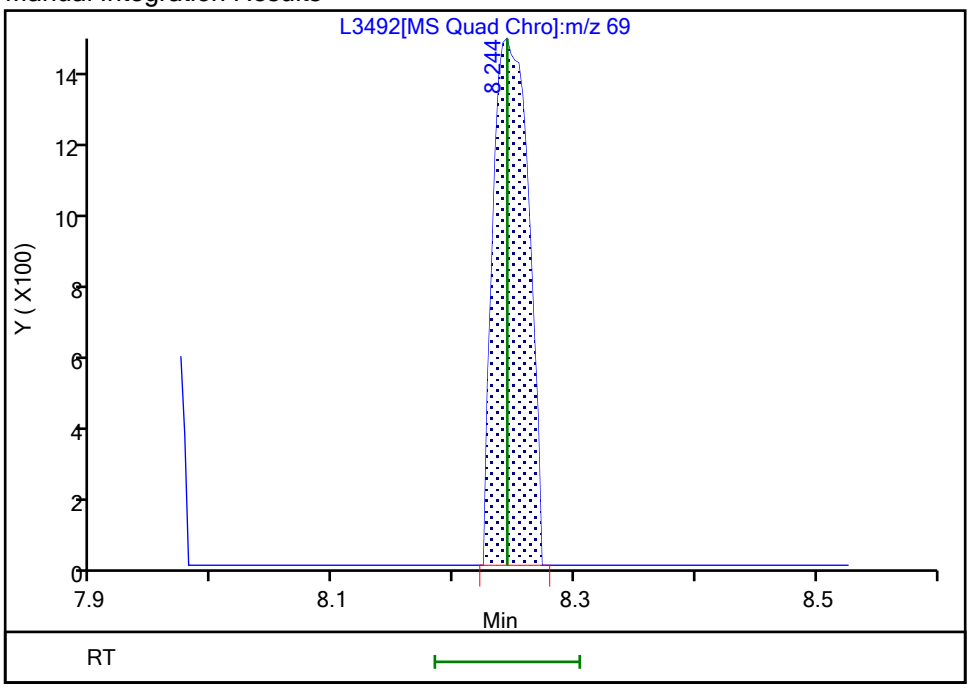
Not Detected
Expected RT: 8.24

Processing Integration Results



Manual Integration Results

RT: 8.24
Area: 3019
Amount: 0.284890
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:56:02
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

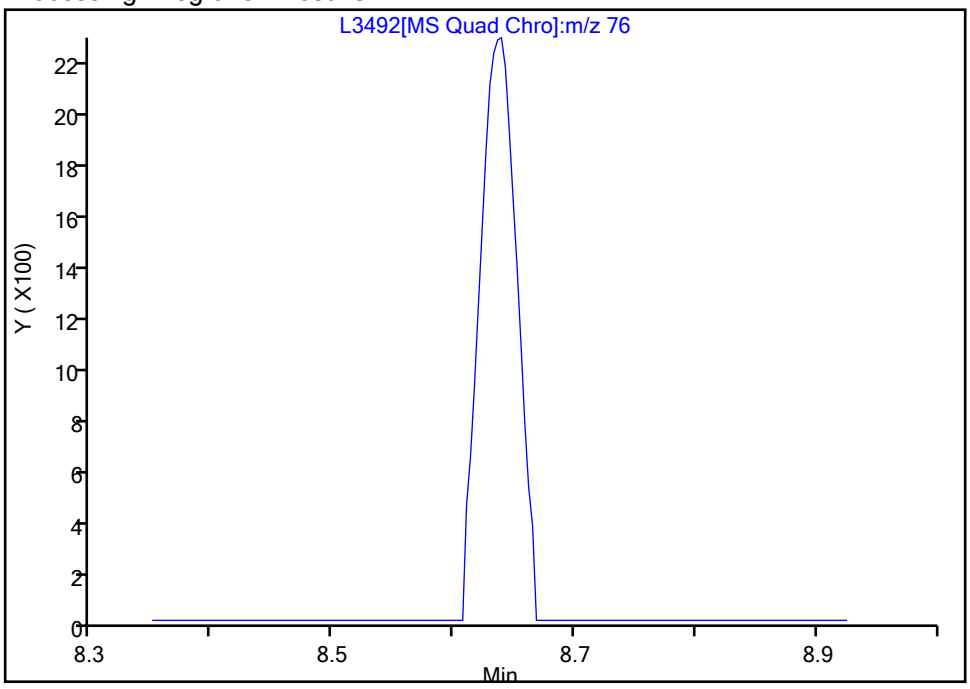
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

95 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

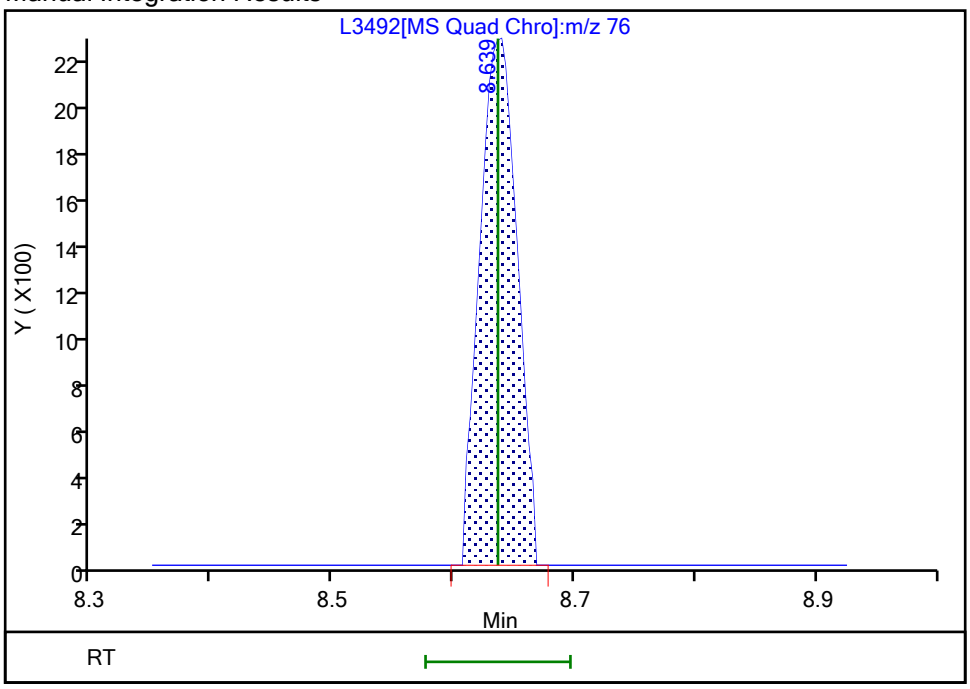
Not Detected
Expected RT: 8.64

Processing Integration Results



Manual Integration Results

RT: 8.64
Area: 4806
Amount: 0.351751
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:56:09
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

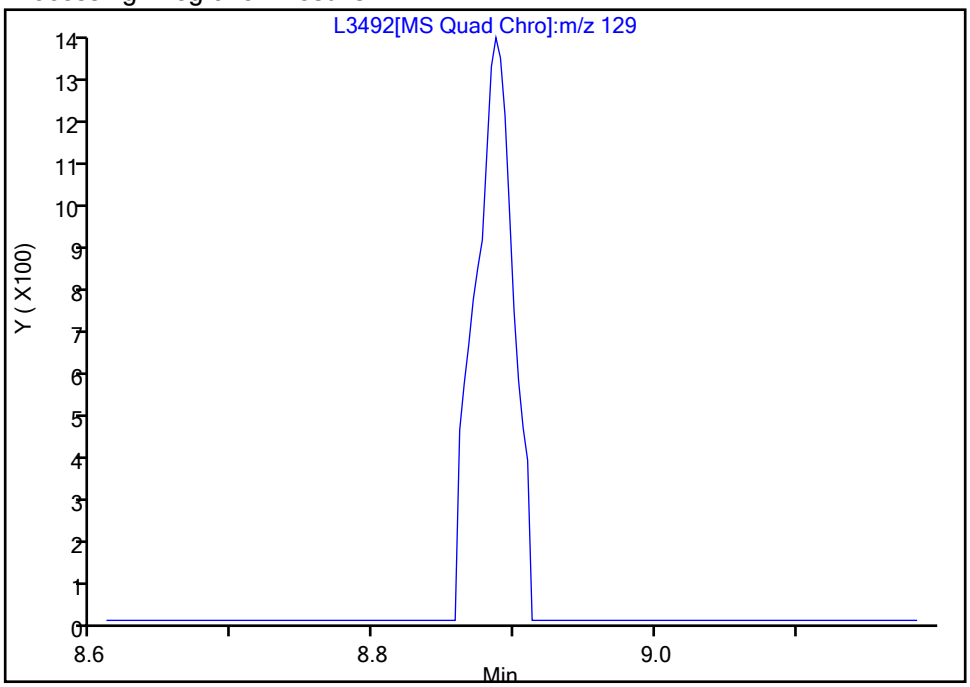
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

98 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

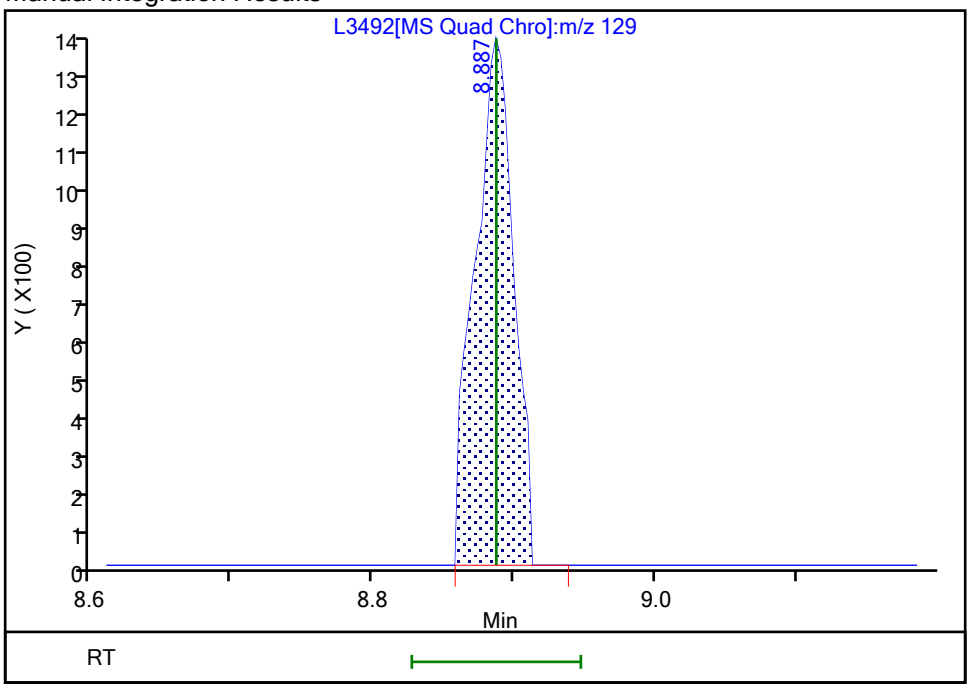
Not Detected
Expected RT: 8.89

Processing Integration Results



Manual Integration Results

RT: 8.89
Area: 2503
Amount: 0.286185
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:56:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

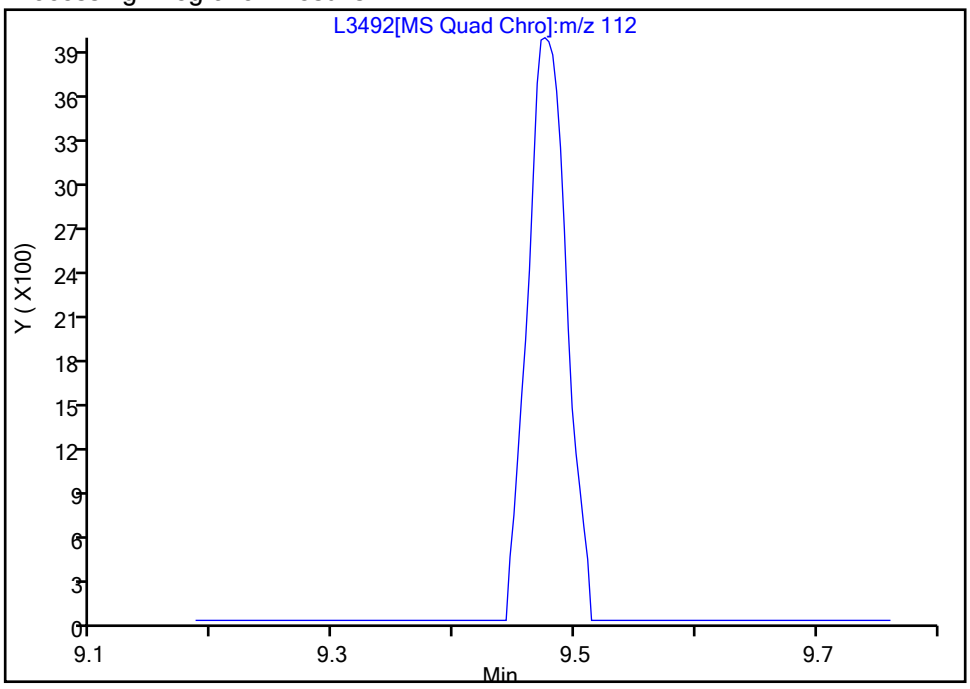
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

103 Chlorobenzene, CAS: 108-90-7

Signal: 1

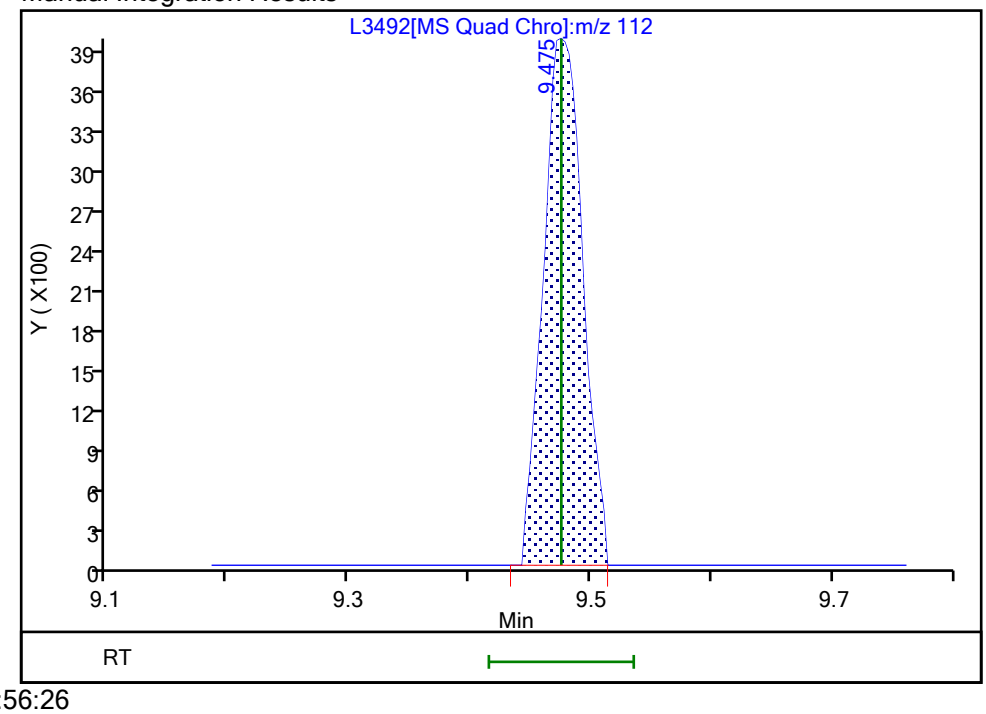
Not Detected
Expected RT: 9.48

Processing Integration Results



Manual Integration Results

RT: 9.48
Area: 8916
Amount: 0.350490
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:56:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

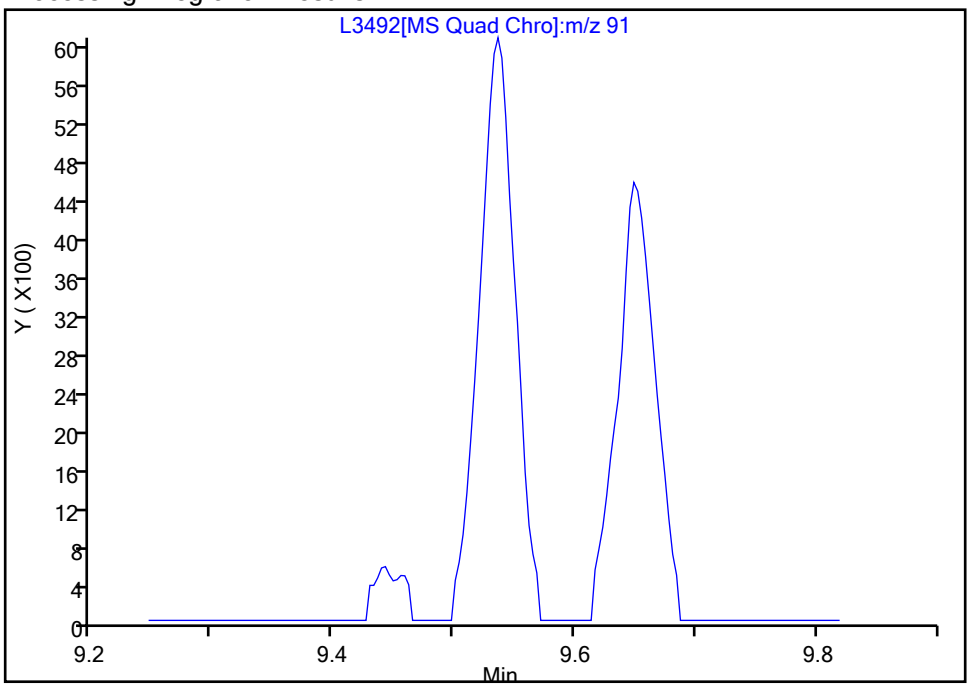
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

104 Ethylbenzene, CAS: 100-41-4

Signal: 1

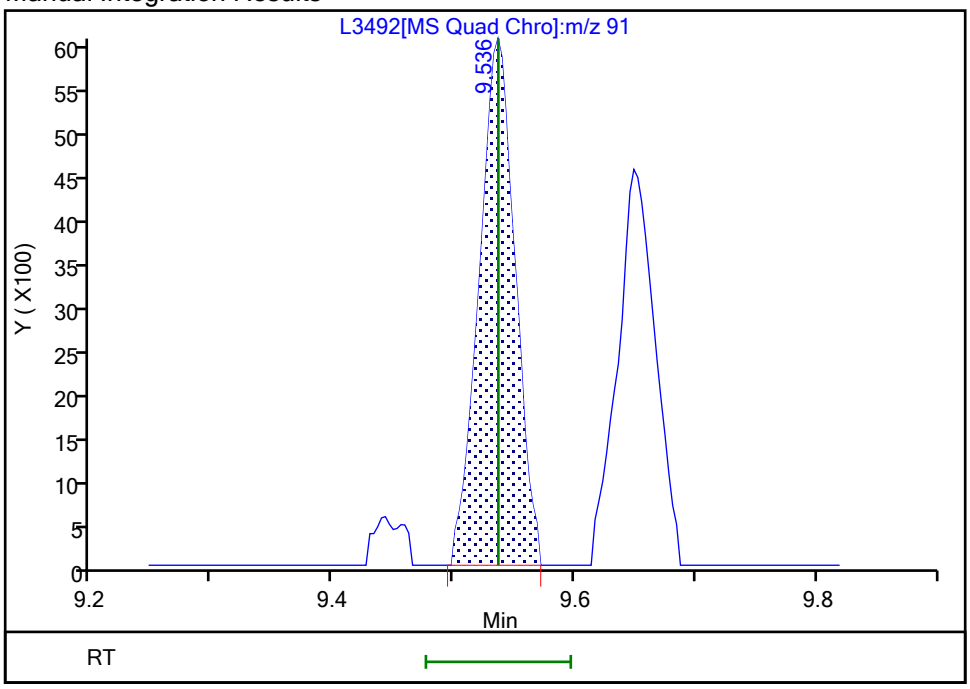
Not Detected
Expected RT: 9.54

Processing Integration Results



Manual Integration Results

RT: 9.54
Area: 12463
Amount: 0.295711
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:56:32
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

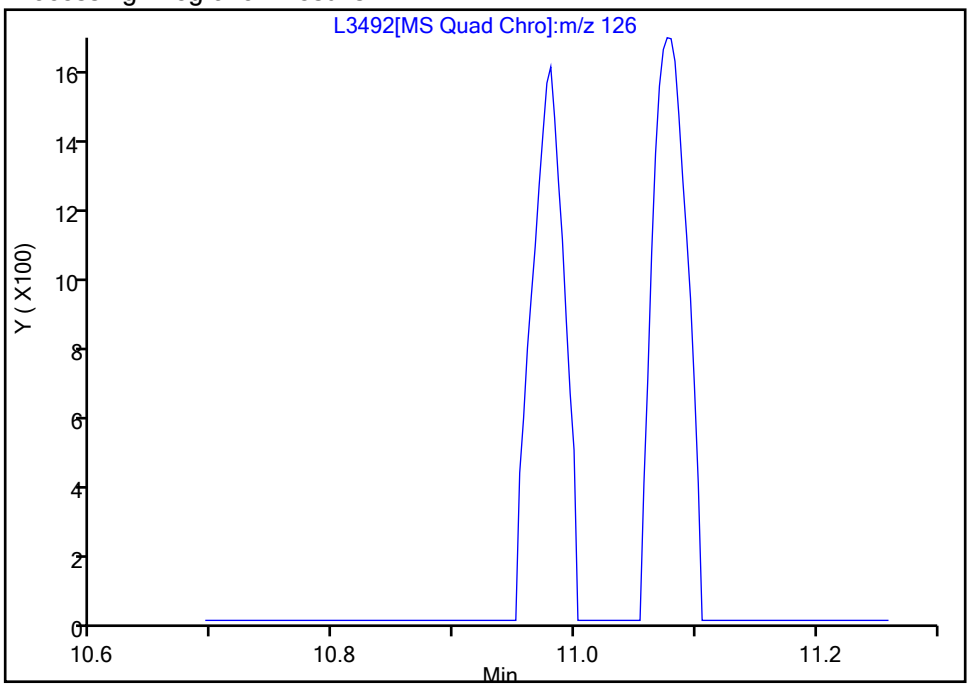
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

117 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

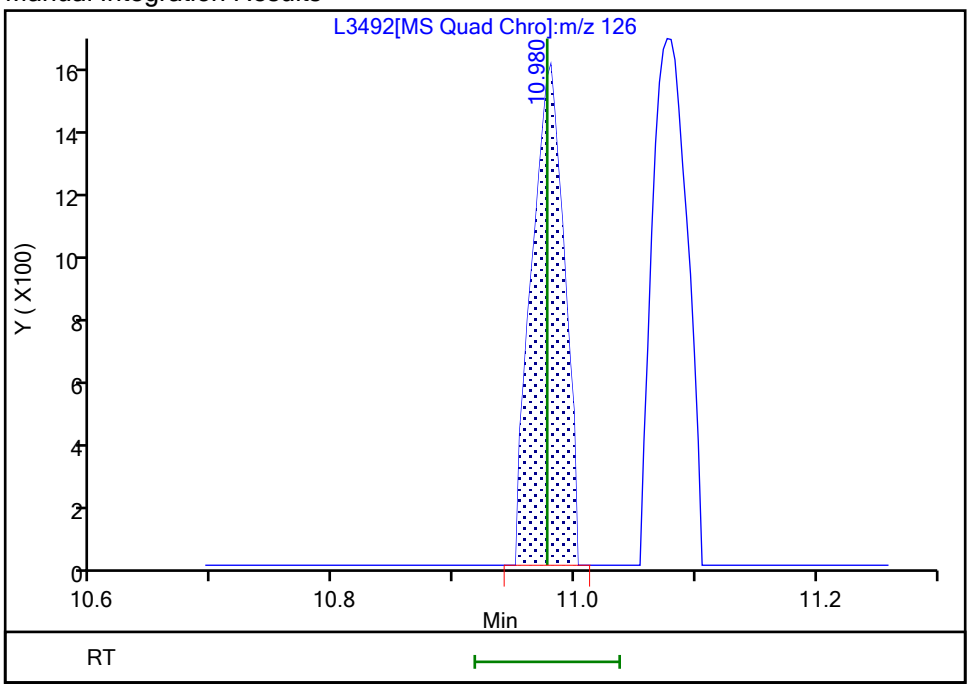
Not Detected
Expected RT: 10.98

Processing Integration Results



Manual Integration Results

RT: 10.98
Area: 2976
Amount: 0.293754
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:56:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

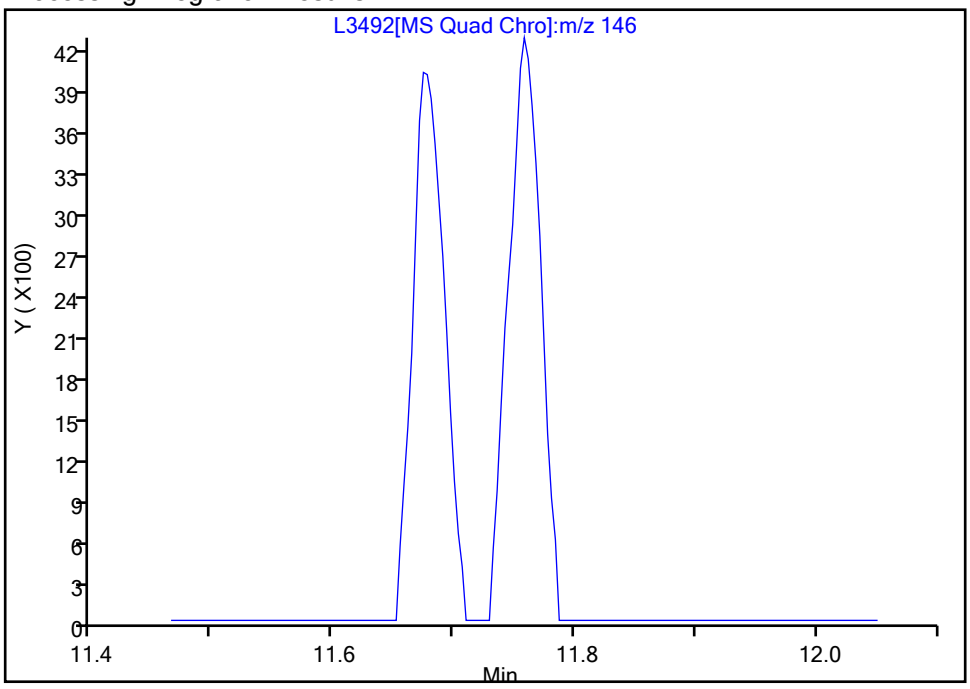
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3492.D
Injection Date: 27-Oct-2020 14:14:30 Instrument ID: HP5977L
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

126 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

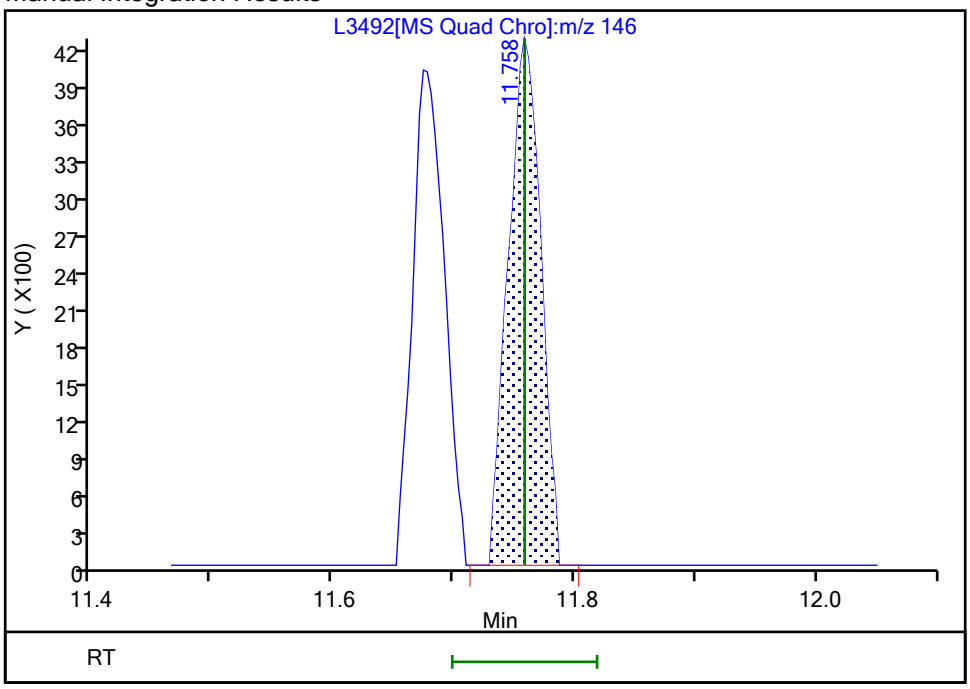
Not Detected
Expected RT: 11.76

Processing Integration Results



Manual Integration Results

RT: 11.76
Area: 8034
Amount: 0.372637
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:57:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3493.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Oct-2020 14:39:20 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0094477-012
Operator ID: LH Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 12:33:22 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1611

First Level Reviewer: HillL Date: 28-Oct-2020 10:59:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	141855	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.447	9.447	0.000	85	607151	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	95	320071	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	93	216706	25.0	25.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.228	0.003	99	229685	25.0	25.8	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	93	775966	25.0	25.8	
$ 7 4-Bromofluorobenzene (Surr)	174	10.656	10.652	0.004	98	252446	25.0	25.7	
10 Dichlorodifluoromethane	85	2.173	2.177	-0.004	96	7559	1.00	1.02	
13 Chloromethane	50	2.434	2.443	-0.009	95	10190	1.00	1.03	
15 Butadiene	54	2.569	2.578	-0.009	89	10367	1.00	0.9743	
14 Vinyl chloride	62	2.572	2.582	-0.010	85	9297	1.00	0.99	
18 Bromomethane	94	2.955	2.958	-0.003	92	10558	1.00	1.00	
19 Chloroethane	64	3.058	3.067	-0.009	98	8037	1.00	1.01	
20 Dichlorofluoromethane	67	3.283	3.292	-0.009	96	14019	1.00	1.00	
21 Trichlorofluoromethane	101	3.299	3.312	-0.013	97	13046	1.00	0.8788	
26 Ethyl ether	59	3.591	3.585	0.006	88	7689	1.00	1.07	
28 Acrolein	56	3.788	3.791	-0.003	93	4909	5.00	4.84	
29 112TCTFE	101	3.813	3.816	-0.003	90	8019	1.00	0.9264	
30 1,1-Dichloroethene	96	3.845	3.842	0.003	96	7319	1.00	0.9308	
31 Acetone	43	3.935	3.935	0.000	99	14039	5.00	4.94	
33 Iodomethane	142	4.029	4.029	0.000	99	14842	1.00	1.01	
35 Carbon disulfide	76	4.083	4.083	0.000	99	24843	1.00	0.9526	
37 3-Chloro-1-propene	41	4.199	4.199	0.000	85	9796	1.00	0.9387	
38 Methyl acetate	43	4.212	4.212	0.000	95	13097	2.00	2.06	
39 Methylene Chloride	84	4.337	4.341	-0.003	89	31999	1.00	0.8024	
40 2-Methyl-2-propanol	59	4.427	4.431	-0.004	99	9236	10.0	9.13	
41 Methyl tert-butyl ether	73	4.517	4.517	0.000	97	21921	1.00	0.9611	
42 trans-1,2-Dichloroethene	96	4.562	4.559	0.003	98	8674	1.00	0.9535	
44 Acrylonitrile	53	4.601	4.598	0.003	99	34480	10.0	10.2	
47 Hexane	57	4.717	4.720	-0.003	91	10930	1.00	0.9353	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
49 Vinyl acetate	43	4.961	4.958	0.003	98	28860	2.00	1.81	
50 1,1-Dichloroethane	63	4.958	4.961	-0.003	67	14151	1.00	0.9719	
56 2,2-Dichloropropane	77	5.456	5.459	-0.003	87	8774	1.00	0.9447	
57 2-Butanone (MEK)	43	5.485	5.482	0.003	99	22258	5.00	5.21	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	73	9536	1.00	0.9720	
60 Chlorobromomethane	128	5.710	5.717	-0.007	90	5108	1.00	0.9642	
61 Tetrahydrofuran	42	5.730	5.730	0.000	72	5703	2.00	2.11	
62 Chloroform	83	5.762	5.762	0.000	92	17488	1.00	1.08	
64 1,1,1-Trichloroethane	97	5.903	5.903	0.000	93	12734	1.00	0.9384	
65 Cyclohexane	56	5.923	5.922	0.001	88	12434	1.00	0.9176	
67 1,1-Dichloropropene	75	6.038	6.041	-0.003	92	11120	1.00	0.9307	
66 Carbon tetrachloride	117	6.038	6.041	-0.003	82	11133	1.00	0.9145	
69 Isobutyl alcohol	43	6.138	6.138	0.000	90	8722	25.0	21.9	
70 Benzene	78	6.251	6.247	0.003	92	33541	1.00	1.01	a
72 1,2-Dichloroethane	62	6.302	6.299	0.003	96	12537	1.00	1.05	
73 n-Heptane	43	6.344	6.340	0.004	82	9857	1.00	0.9763	
75 Trichloroethene	95	6.813	6.813	0.000	91	8707	1.00	0.9330	
76 Methylcyclohexane	83	6.948	6.945	0.003	88	13623	1.00	0.9198	
77 1,2-Dichloropropane	63	7.061	7.057	0.004	90	8882	1.00	1.07	
81 1,4-Dioxane	88	7.177	7.170	0.007	44	1387	20.0	13.6	
82 Dibromomethane	93	7.199	7.202	-0.003	96	5938	1.00	1.02	
83 Dichlorobromomethane	83	7.321	7.318	0.003	97	10847	1.00	1.00	
84 2-Chloroethyl vinyl ether	63	7.543	7.540	0.003	88	5011	1.00	0.9086	
85 cis-1,3-Dichloropropene	75	7.713	7.717	-0.004	0	12212	1.00	0.9548	M
87 4-Methyl-2-pentanone (MIBK)	43	7.823	7.823	0.000	94	40356	5.00	4.83	
88 Toluene	92	8.016	8.016	0.000	96	21624	1.00	1.00	
90 Ethyl methacrylate	69	8.247	8.244	0.003	86	9085	1.00	0.8756	
91 trans-1,3-Dichloropropene	75	8.260	8.260	0.000	96	11685	1.00	0.9662	
93 1,1,2-Trichloroethane	83	8.463	8.466	-0.003	89	6744	1.00	1.03	
94 Tetrachloroethene	166	8.549	8.553	-0.004	94	9761	1.00	0.9406	
95 1,3-Dichloropropane	76	8.636	8.636	0.000	71	14119	1.00	1.06	
96 2-Hexanone	43	8.646	8.643	0.003	89	28825	5.00	4.72	
98 Chlorodibromomethane	129	8.890	8.887	0.003	86	8376	1.00	0.9781	
101 Ethylene Dibromide	107	9.025	9.022	0.003	97	8425	1.00	0.9715	
103 Chlorobenzene	112	9.479	9.475	0.004	0	24787	1.00	1.00	M
104 Ethylbenzene	91	9.533	9.537	-0.004	97	40754	1.00	0.9876	
105 1,1,1,2-Tetrachloroethane	131	9.556	9.556	0.000	92	8182	1.00	0.9670	
106 m-Xylene & p-Xylene	106	9.649	9.652	-0.003	96	16214	1.00	0.9837	
107 o-Xylene	106	10.090	10.090	0.000	95	14695	1.00	0.9375	
109 Styrene	104	10.112	10.112	0.000	94	23643	1.00	0.9288	
110 Bromoform	173	10.395	10.392	0.003	90	4567	1.00	0.8147	
111 Isopropylbenzene	105	10.440	10.440	0.000	96	39011	1.00	0.9712	
112 1,1,2,2-Tetrachloroethane	83	10.816	10.813	0.003	94	11482	1.00	1.03	
113 Bromobenzene	156	10.826	10.823	0.003	93	10716	1.00	1.02	
114 N-Propylbenzene	91	10.845	10.845	0.000	98	46120	1.00	0.9589	
115 trans-1,4-Dichloro-2-butene	53	10.852	10.855	-0.003	59	1812	1.00	1.14	
116 1,2,3-Trichloropropane	110	10.871	10.868	0.003	81	3963	1.00	1.06	
117 2-Chlorotoluene	126	10.980	10.977	0.003	97	10193	1.00	1.01	
118 1,3,5-Trimethylbenzene	105	11.003	11.000	0.003	94	30830	1.00	0.9221	
119 4-Chlorotoluene	91	11.080	11.080	0.000	97	28200	1.00	1.02	
120 tert-Butylbenzene	134	11.315	11.318	-0.003	93	7126	1.00	0.9191	
121 1,2,4-Trimethylbenzene	105	11.366	11.366	0.000	97	31029	1.00	0.9150	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	11.514	11.514	0.000	94	38484	1.00	0.8889	
123 4-Isopropyltoluene	119	11.630	11.633	-0.003	97	33844	1.00	0.8946	
124 1,3-Dichlorobenzene	146	11.681	11.681	0.000	97	20377	1.00	0.9830	
126 1,4-Dichlorobenzene	146	11.758	11.758	0.000	95	23280	1.00	1.08	
127 n-Butylbenzene	91	11.996	11.996	0.000	97	31048	1.00	0.9274	
128 1,2-Dichlorobenzene	146	12.102	12.099	0.003	96	21244	1.00	1.05	
129 1,2-Dibromo-3-Chloropropane	75	12.778	12.774	0.004	79	1695	1.00	0.9112	
130 1,2,4-Trichlorobenzene	180	13.446	13.443	0.003	93	12504	1.00	0.9565	
131 Hexachlorobutadiene	225	13.536	13.533	0.003	91	4815	1.00	0.9899	
132 Naphthalene	128	13.697	13.697	0.000	97	32008	1.00	0.9285	
133 1,2,3-Trichlorobenzene	180	13.922	13.922	0.000	93	11595	1.00	0.9490	
S 144 1,3-Dichloropropene, Total	1				0			1.92	
S 141 1,2-Dichloroethene, Total	1				0			1.93	
S 143 Xylenes, Total	1				0			1.92	
S 142 Total BTEX	1				0			4.92	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00196	Amount Added:	1.00	Units: uL	
GAS CORP mix_00424	Amount Added:	1.00	Units: uL	
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 28-Oct-2020 12:33:23 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3493.D

Injection Date: 27-Oct-2020 14:39:20 Instrument ID: HP5977L

Lims ID: IC

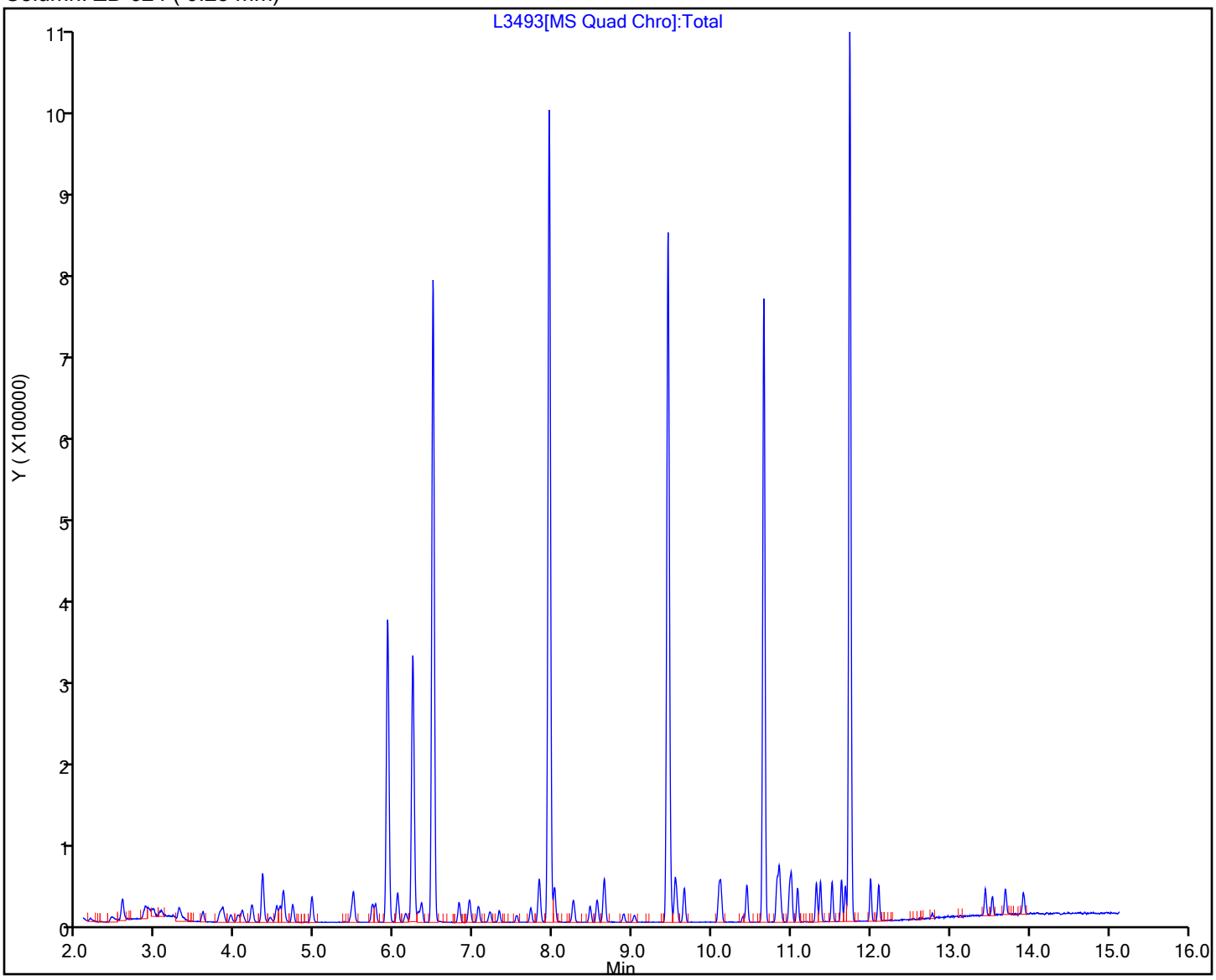
Client ID:

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 12

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

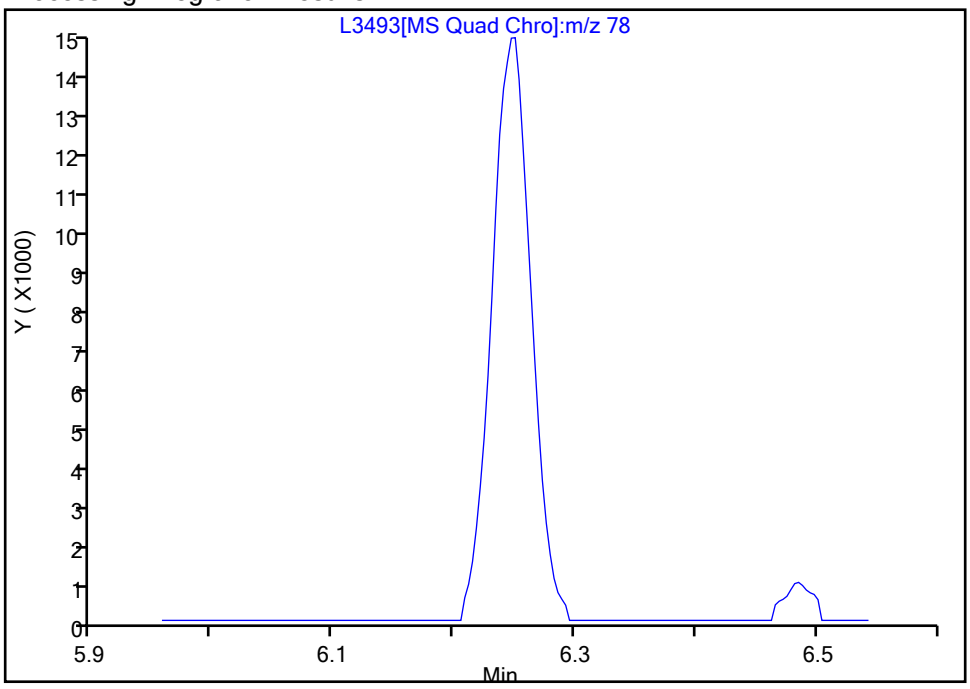
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3493.D
Injection Date: 27-Oct-2020 14:39:20 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

70 Benzene, CAS: 71-43-2

Signal: 1

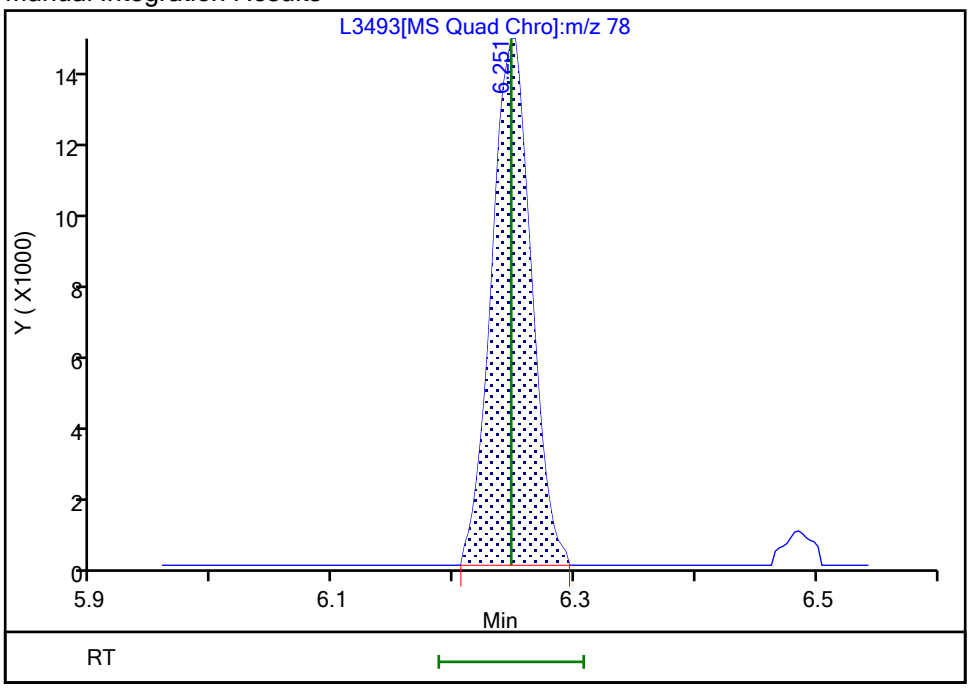
Not Detected
Expected RT: 6.25

Processing Integration Results



Manual Integration Results

RT: 6.25
Area: 33541
Amount: 1.010882
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:58:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

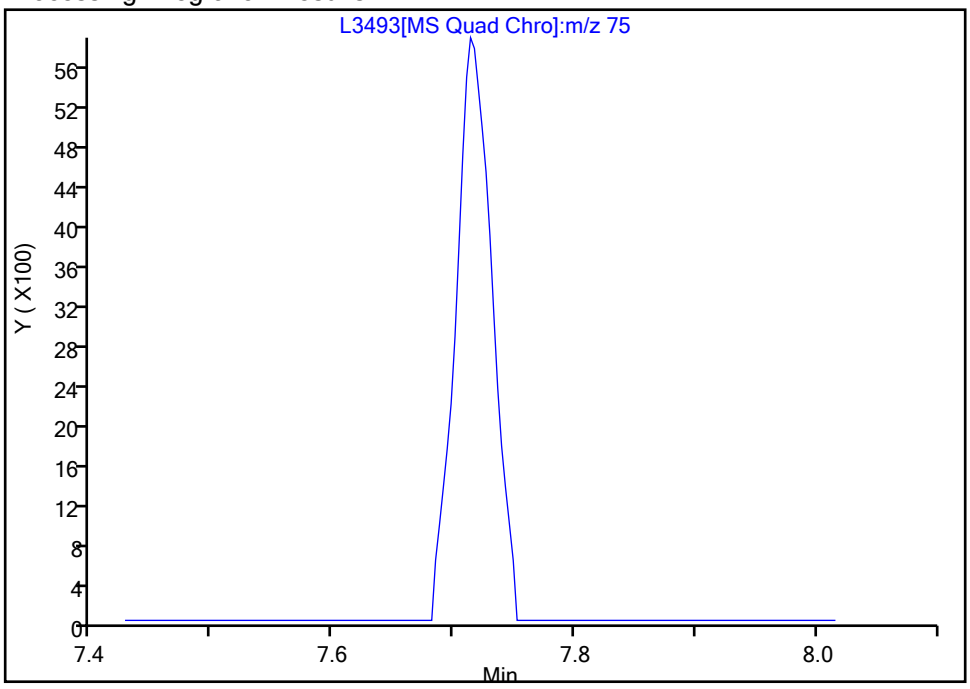
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3493.D
Injection Date: 27-Oct-2020 14:39:20 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

85 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 1

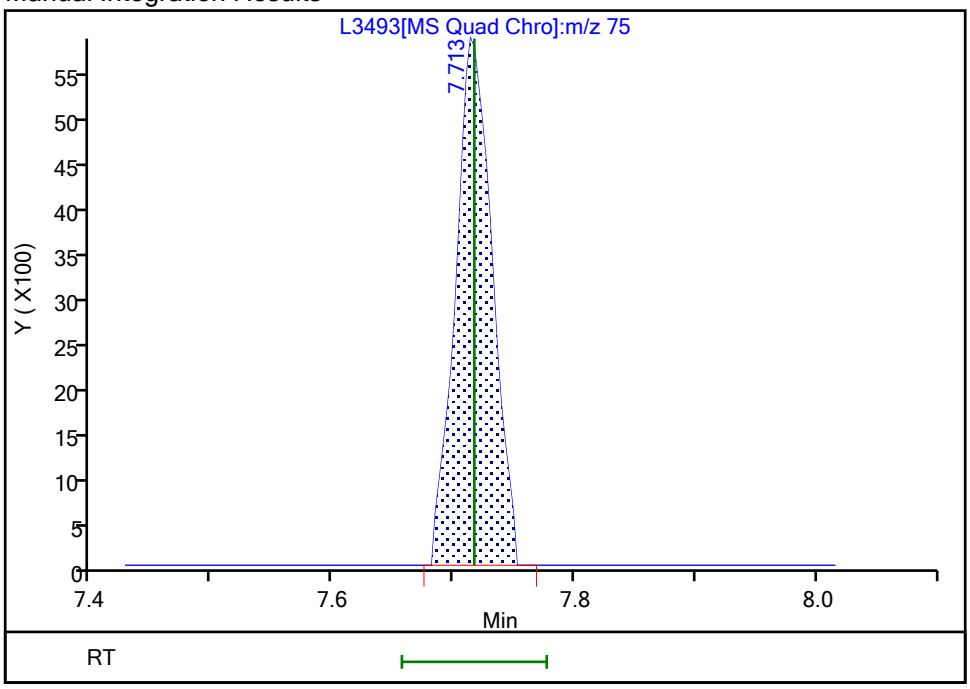
Not Detected
Expected RT: 7.72

Processing Integration Results



Manual Integration Results

RT: 7.71
Area: 12212
Amount: 0.954760
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:58:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

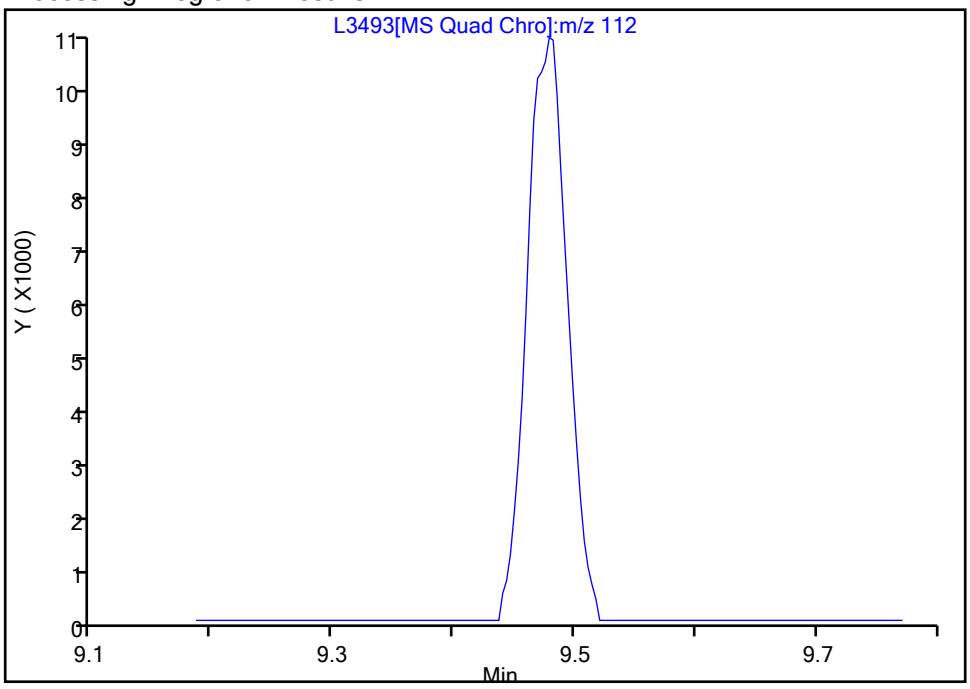
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3493.D
Injection Date: 27-Oct-2020 14:39:20 Instrument ID: HP5977L
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

103 Chlorobenzene, CAS: 108-90-7

Signal: 1

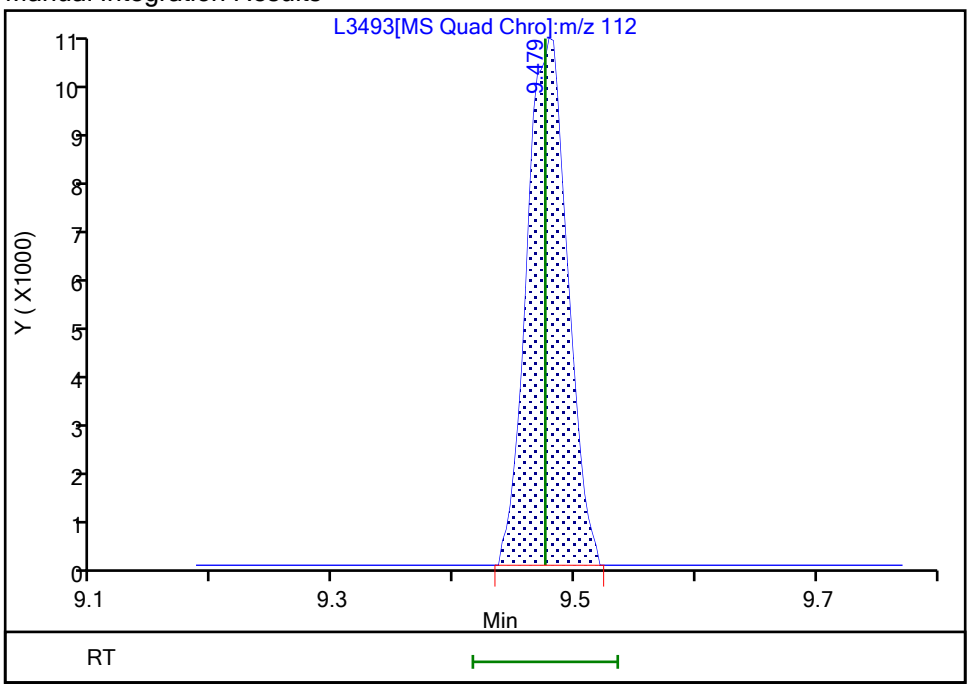
Not Detected
Expected RT: 9.48

Processing Integration Results



Manual Integration Results

RT: 9.48
Area: 24787
Amount: 0.995193
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:58:57
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3494.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Oct-2020 15:03:44 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0094477-013
Operator ID: LH Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 12:33:30 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1611

First Level Reviewer: HillL Date: 28-Oct-2020 11:00:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	148667	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.447	9.447	0.000	85	614500	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	95	319402	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	95	220760	25.0	24.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.228	6.228	0.000	98	234640	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	94	788477	25.0	25.9	
$ 7 4-Bromofluorobenzene (Surr)	174	10.652	10.652	0.000	97	246705	25.0	24.8	
10 Dichlorodifluoromethane	85	2.167	2.177	-0.010	97	17387	2.00	1.87	
13 Chloromethane	50	2.427	2.443	-0.016	98	20554	2.00	1.99	
15 Butadiene	54	2.572	2.578	-0.006	88	21594	2.00	1.94	
14 Vinyl chloride	62	2.562	2.582	-0.020	96	21143	2.00	1.98	
18 Bromomethane	94	2.948	2.958	-0.010	91	25685	2.00	2.32	
19 Chloroethane	64	3.048	3.067	-0.019	98	18354	2.00	2.21	a
20 Dichlorofluoromethane	67	3.280	3.292	-0.012	96	29849	2.00	2.03	
21 Trichlorofluoromethane	101	3.296	3.312	-0.016	95	29798	2.00	1.92	
26 Ethyl ether	59	3.585	3.585	0.000	88	16181	2.00	2.16	
28 Acrolein	56	3.791	3.791	0.000	93	9479	10.0	8.91	
29 112TCTFE	101	3.807	3.816	-0.009	91	19025	2.00	2.10	
30 1,1-Dichloroethene	96	3.839	3.842	-0.003	99	17285	2.00	2.10	
31 Acetone	43	3.942	3.935	0.007	99	33083	10.0	11.1	
33 Iodomethane	142	4.029	4.029	0.000	100	32709	2.00	2.12	
35 Carbon disulfide	76	4.080	4.083	-0.003	99	56008	2.00	2.05	
37 3-Chloro-1-propene	41	4.196	4.199	-0.003	89	23191	2.00	2.12	
38 Methyl acetate	43	4.212	4.212	0.000	95	26704	4.00	4.01	
39 Methylene Chloride	84	4.341	4.341	0.001	89	46301	2.00	2.21	
40 2-Methyl-2-propanol	59	4.437	4.431	0.006	97	20236	20.0	19.1	
41 Methyl tert-butyl ether	73	4.517	4.517	0.000	95	50076	2.00	2.09	
42 trans-1,2-Dichloroethene	96	4.556	4.559	-0.003	96	19515	2.00	2.05	
44 Acrylonitrile	53	4.601	4.598	0.003	99	71987	20.0	20.3	
47 Hexane	57	4.720	4.720	0.000	91	25552	2.00	2.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
49 Vinyl acetate	43	4.958	4.958	0.000	97	63172	4.00	3.77	
50 1,1-Dichloroethane	63	4.961	4.961	0.000	67	31873	2.00	2.09	
56 2,2-Dichloropropane	77	5.456	5.459	-0.003	90	21485	2.00	2.21	
57 2-Butanone (MEK)	43	5.485	5.482	0.003	100	45182	10.0	10.1	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	75	20926	2.00	2.04	
60 Chlorobromomethane	128	5.720	5.717	0.003	84	11095	2.00	2.00	
61 Tetrahydrofuran	42	5.733	5.730	0.003	83	12023	4.00	4.24	
62 Chloroform	83	5.759	5.762	-0.003	93	35363	2.00	2.09	
64 1,1,1-Trichloroethane	97	5.897	5.903	-0.006	94	28663	2.00	2.02	a
65 Cyclohexane	56	5.923	5.922	0.001	90	28034	2.00	1.97	
67 1,1-Dichloropropene	75	6.041	6.041	0.000	92	26378	2.00	2.11	
66 Carbon tetrachloride	117	6.041	6.041	0.000	85	25021	2.00	1.96	
69 Isobutyl alcohol	43	6.148	6.138	0.010	89	18961	50.0	45.5	
70 Benzene	78	6.247	6.247	0.000	96	75283	2.00	2.16	
72 1,2-Dichloroethane	62	6.296	6.299	-0.003	96	26509	2.00	2.13	
73 n-Heptane	43	6.341	6.340	0.001	84	22878	2.00	2.16	
75 Trichloroethene	95	6.816	6.813	0.003	95	20469	2.00	2.09	
76 Methylcyclohexane	83	6.942	6.945	-0.003	87	31119	2.00	2.00	
77 1,2-Dichloropropane	63	7.061	7.057	0.004	90	17537	2.00	2.02	
81 1,4-Dioxane	88	7.160	7.170	-0.010	82	3277	40.0	31.8	
82 Dibromomethane	93	7.199	7.202	-0.003	94	12929	2.00	2.12	
83 Dichlorobromomethane	83	7.318	7.318	0.000	95	23399	2.00	2.07	
84 2-Chloroethyl vinyl ether	63	7.540	7.540	0.000	94	10978	2.00	1.90	
85 cis-1,3-Dichloropropene	75	7.717	7.717	0.000	94	26350	2.00	1.97	
87 4-Methyl-2-pentanone (MIBK)	43	7.823	7.823	0.000	96	87871	10.0	10.4	
88 Toluene	92	8.016	8.016	0.000	98	48222	2.00	2.20	
90 Ethyl methacrylate	69	8.247	8.244	0.003	86	19789	2.00	1.88	
91 trans-1,3-Dichloropropene	75	8.260	8.260	0.000	96	24363	2.00	1.99	
93 1,1,2-Trichloroethane	83	8.463	8.466	-0.003	92	14173	2.00	2.15	
94 Tetrachloroethene	166	8.553	8.553	0.000	91	22311	2.00	2.12	
95 1,3-Dichloropropane	76	8.633	8.636	-0.003	90	28776	2.00	2.13	
96 2-Hexanone	43	8.643	8.643	0.000	94	61828	10.0	10.0	
98 Chlorodibromomethane	129	8.887	8.887	0.000	87	17514	2.00	2.02	
101 Ethylene Dibromide	107	9.022	9.022	0.000	98	18499	2.00	2.11	
103 Chlorobenzene	112	9.475	9.475	0.000	98	55205	2.00	2.19	
104 Ethylbenzene	91	9.533	9.537	-0.004	97	89865	2.00	2.15	
105 1,1,1,2-Tetrachloroethane	131	9.556	9.556	0.000	93	17848	2.00	2.08	
106 m-Xylene & p-Xylene	106	9.652	9.652	0.000	97	34936	2.00	2.09	
107 o-Xylene	106	10.090	10.090	0.000	95	33042	2.00	2.08	
109 Styrene	104	10.112	10.112	0.000	94	52331	2.00	2.03	
110 Bromoform	173	10.392	10.392	0.000	94	10545	2.00	1.86	
111 Isopropylbenzene	105	10.440	10.440	0.000	95	84308	2.00	2.10	
112 1,1,2,2-Tetrachloroethane	83	10.816	10.813	0.003	96	24304	2.00	2.18	
113 Bromobenzene	156	10.823	10.823	0.000	91	23172	2.00	2.20	
114 N-Propylbenzene	91	10.845	10.845	0.000	98	102737	2.00	2.14	
115 trans-1,4-Dichloro-2-butene	53	10.852	10.855	-0.003	70	4954	2.00	2.16	
116 1,2,3-Trichloropropane	110	10.868	10.868	0.000	82	8089	2.00	2.18	
117 2-Chlorotoluene	126	10.977	10.977	0.000	97	21810	2.00	2.16	
118 1,3,5-Trimethylbenzene	105	11.000	11.000	0.000	95	70564	2.00	2.11	
119 4-Chlorotoluene	91	11.080	11.080	0.000	97	61334	2.00	2.23	
120 tert-Butylbenzene	134	11.318	11.318	0.000	92	16115	2.00	2.08	
121 1,2,4-Trimethylbenzene	105	11.366	11.366	0.000	96	72323	2.00	2.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	11.511	11.514	-0.003	94	94123	2.00	2.18	
123 4-Isopropyltoluene	119	11.630	11.633	-0.003	97	79868	2.00	2.12	
124 1,3-Dichlorobenzene	146	11.681	11.681	0.000	97	47208	2.00	2.28	
126 1,4-Dichlorobenzene	146	11.758	11.758	0.000	96	47905	2.00	2.22	
127 n-Butylbenzene	91	11.996	11.996	0.000	97	72683	2.00	2.18	
128 1,2-Dichlorobenzene	146	12.099	12.099	0.000	96	45288	2.00	2.23	
129 1,2-Dibromo-3-Chloropropane	75	12.774	12.774	0.000	81	3691	2.00	1.99	
130 1,2,4-Trichlorobenzene	180	13.443	13.443	0.000	93	28213	2.00	2.16	
131 Hexachlorobutadiene	225	13.533	13.533	0.000	90	12018	2.00	2.25	
132 Naphthalene	128	13.697	13.697	0.000	97	71860	2.00	2.09	
133 1,2,3-Trichlorobenzene	180	13.926	13.922	0.004	96	27167	2.00	2.23	
S 144 1,3-Dichloropropene, Total	1				0			3.96	
S 141 1,2-Dichloroethene, Total	1				0			4.08	
S 143 Xylenes, Total	1				0			4.18	
S 142 Total BTEX	1				0			10.7	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

8260 CORP mix_00196	Amount Added:	2.00	Units: uL	
GAS CORP mix_00424	Amount Added:	2.00	Units: uL	
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 28-Oct-2020 12:33:31 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3494.D

Injection Date: 27-Oct-2020 15:03:44 Instrument ID: HP5977L

Lims ID: IC 2

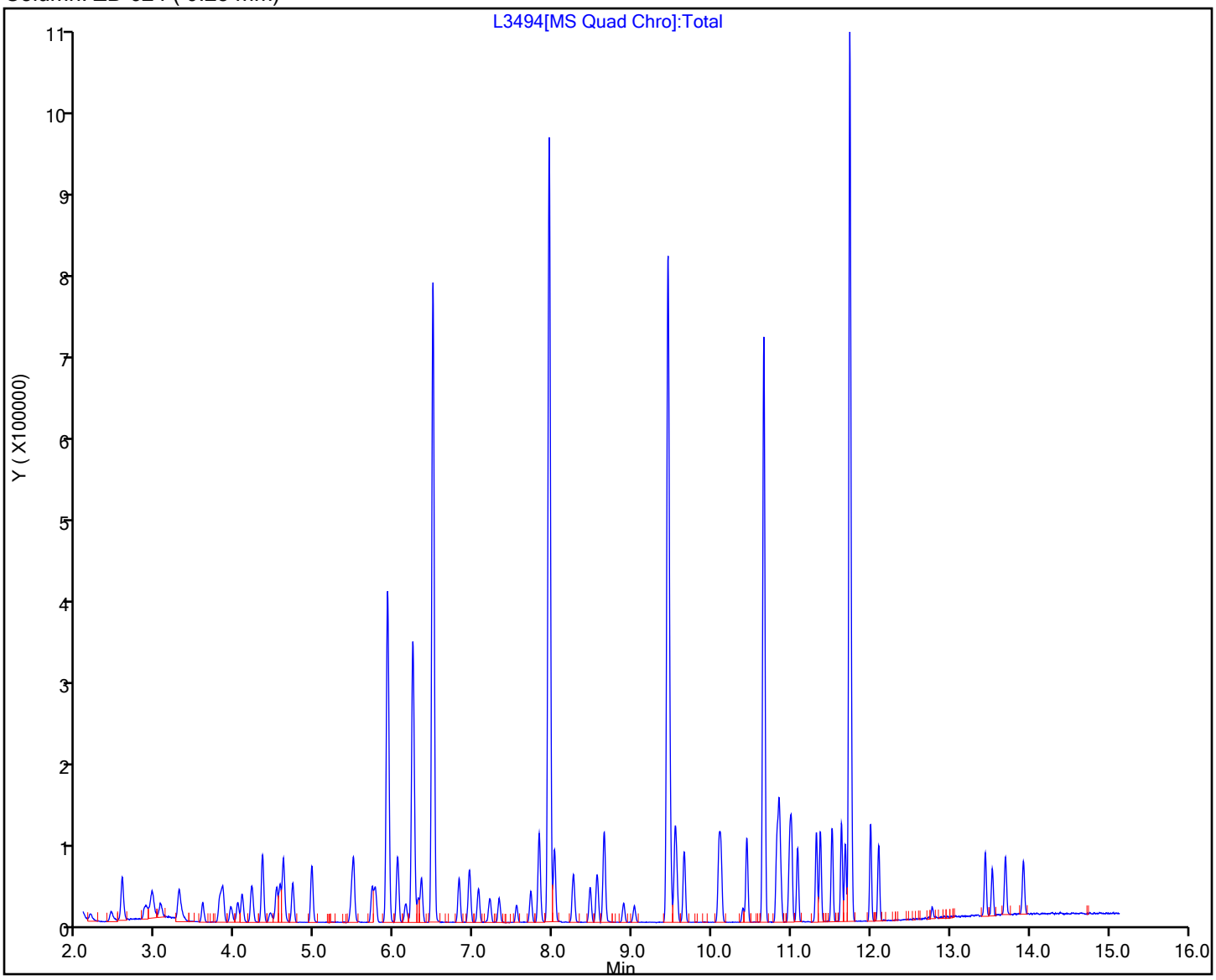
Client ID:

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

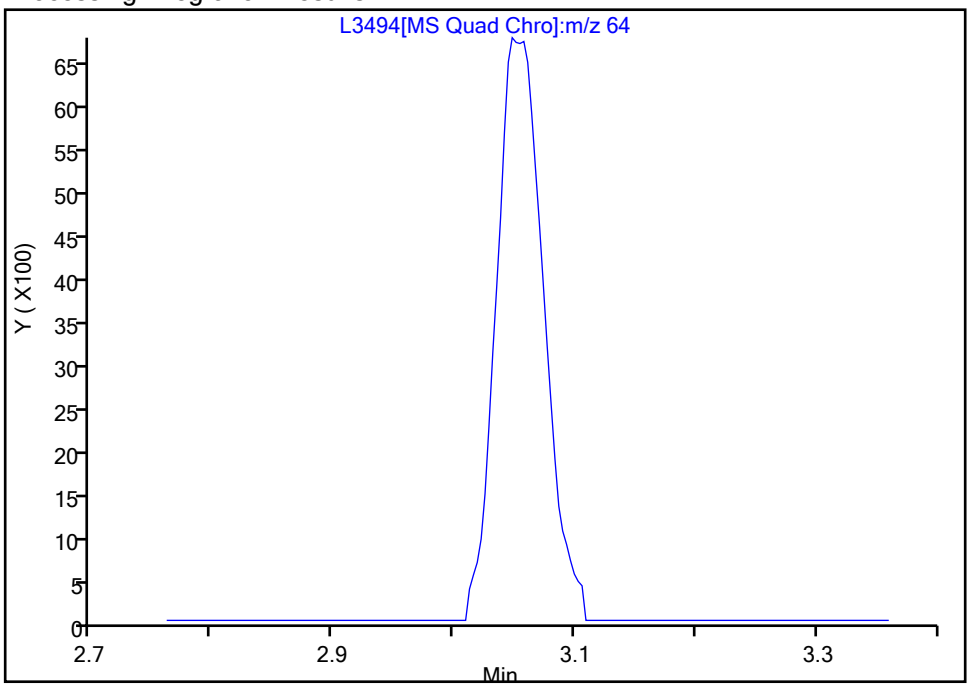
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3494.D
Injection Date: 27-Oct-2020 15:03:44 Instrument ID: HP5977L
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

19 Chloroethane, CAS: 75-00-3

Signal: 1

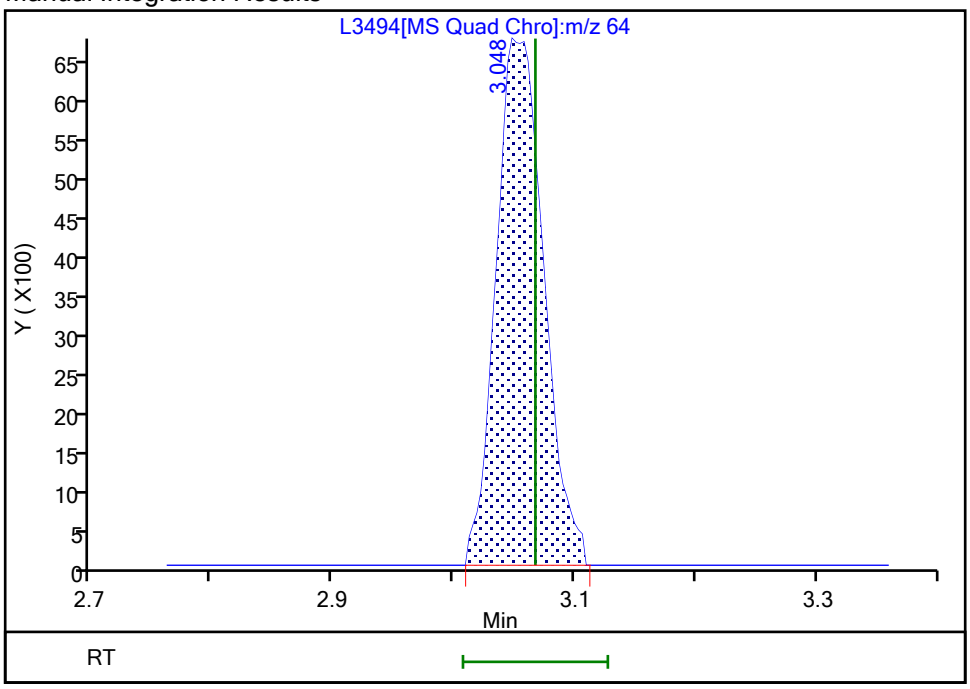
Not Detected
Expected RT: 3.07

Processing Integration Results



Manual Integration Results

RT: 3.05
Area: 18354
Amount: 2.211130
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:59:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

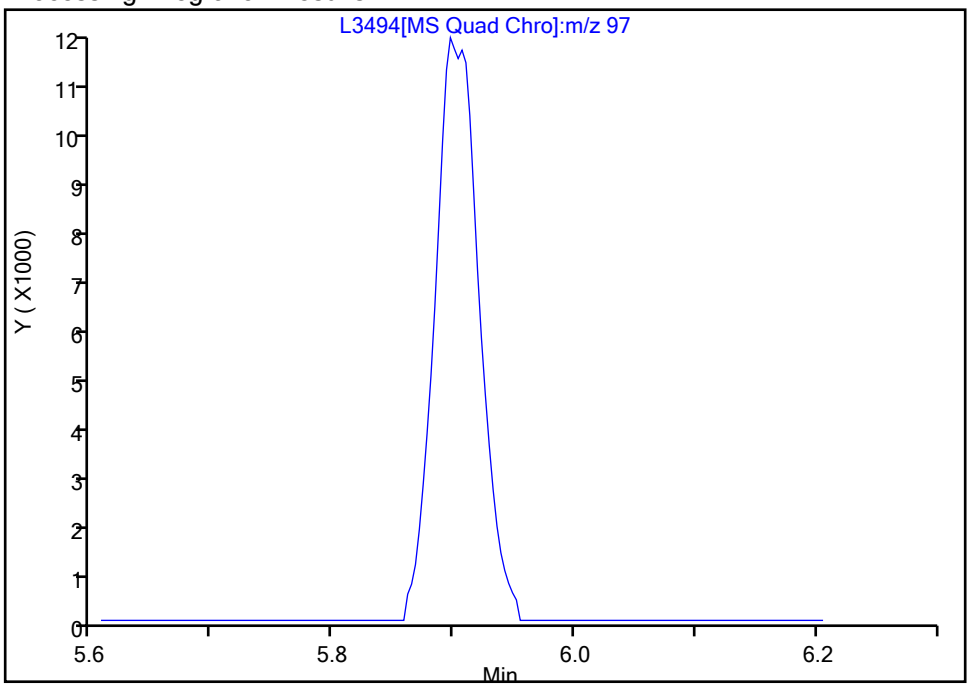
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3494.D
Injection Date: 27-Oct-2020 15:03:44 Instrument ID: HP5977L
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

64 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

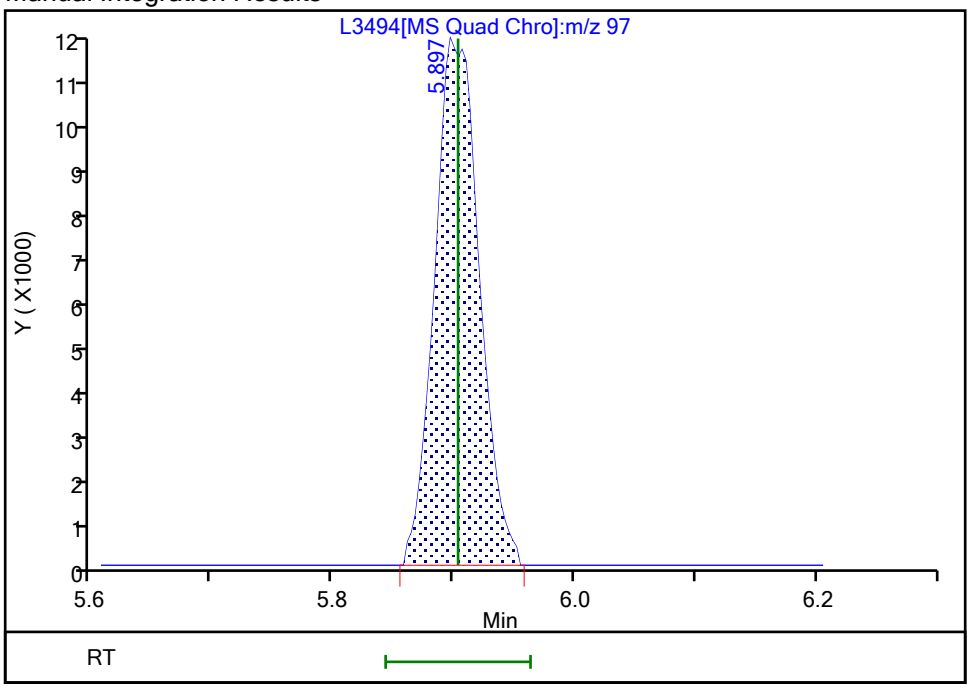
Not Detected
Expected RT: 5.90

Processing Integration Results



Manual Integration Results

RT: 5.90
Area: 28663
Amount: 2.015553
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 10:59:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3495.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Oct-2020 15:28:10 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0094477-014
Operator ID: LH Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 12:33:38 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1611

First Level Reviewer: HillL Date: 28-Oct-2020 11:00:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	147965	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.446	9.447	-0.001	85	644769	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	94	356154	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	95	216646	25.0	24.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.228	0.003	98	227621	25.0	24.5	
$ 6 Toluene-d8 (Surr)	98	7.951	7.948	0.003	93	772107	25.0	24.2	
$ 7 4-Bromofluorobenzene (Surr)	174	10.652	10.652	0.000	97	244842	25.0	23.5	
10 Dichlorodifluoromethane	85	2.173	2.177	-0.004	99	51797	5.00	4.98	
13 Chloromethane	50	2.440	2.443	-0.003	99	54038	5.00	5.25	
15 Butadiene	54	2.572	2.578	-0.006	91	57601	5.00	5.19	
14 Vinyl chloride	62	2.575	2.582	-0.007	88	59295	5.00	5.31	
18 Bromomethane	94	2.948	2.958	-0.010	92	60293	5.00	5.46	
19 Chloroethane	64	3.061	3.067	-0.006	98	42713	5.00	5.17	
20 Dichlorofluoromethane	67	3.286	3.292	-0.006	97	76401	5.00	5.23	
21 Trichlorofluoromethane	101	3.299	3.312	-0.013	96	79095	5.00	5.11	
26 Ethyl ether	59	3.588	3.585	0.003	89	37797	5.00	5.06	
28 Acrolein	56	3.787	3.791	-0.004	99	26465	25.0	25.0	
29 112TCTFE	101	3.810	3.816	-0.006	92	44677	5.00	4.95	
30 1,1-Dichloroethene	96	3.842	3.842	0.000	98	40847	5.00	4.98	
31 Acetone	43	3.935	3.935	0.000	100	74896	25.0	25.3	
33 Iodomethane	142	4.029	4.029	0.000	100	78633	5.00	5.13	
35 Carbon disulfide	76	4.083	4.083	0.000	100	136682	5.00	5.02	
37 3-Chloro-1-propene	41	4.199	4.199	0.000	86	55632	5.00	5.11	
38 Methyl acetate	43	4.209	4.212	-0.003	97	68400	10.0	10.3	
39 Methylene Chloride	84	4.337	4.341	-0.003	89	72436	5.00	5.14	
40 2-Methyl-2-propanol	59	4.430	4.431	-0.001	99	52690	50.0	50.0	
41 Methyl tert-butyl ether	73	4.517	4.517	0.000	95	119964	5.00	5.04	
42 trans-1,2-Dichloroethene	96	4.559	4.559	0.000	97	49762	5.00	5.24	
44 Acrylonitrile	53	4.598	4.598	0.000	98	181497	50.0	51.5	
47 Hexane	57	4.720	4.720	0.000	90	61056	5.00	5.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
49 Vinyl acetate	43	4.958	4.958	0.000	97	162731	10.0	9.77	
50 1,1-Dichloroethane	63	4.961	4.961	0.000	65	78468	5.00	5.17	
56 2,2-Dichloropropane	77	5.456	5.459	-0.003	90	48885	5.00	5.05	
57 2-Butanone (MEK)	43	5.485	5.482	0.003	99	112415	25.0	25.2	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	86	52520	5.00	5.13	
60 Chlorobromomethane	128	5.713	5.717	-0.004	86	27879	5.00	5.05	
61 Tetrahydrofuran	42	5.729	5.730	-0.001	85	27572	10.0	9.77	
62 Chloroform	83	5.762	5.762	0.000	92	84411	5.00	5.02	
64 1,1,1-Trichloroethane	97	5.903	5.903	0.000	98	71401	5.00	5.04	
65 Cyclohexane	56	5.922	5.922	0.000	89	70904	5.00	5.02	
67 1,1-Dichloropropene	75	6.041	6.041	0.000	93	63502	5.00	5.10	
66 Carbon tetrachloride	117	6.038	6.041	-0.003	90	62724	5.00	4.94	
69 Isobutyl alcohol	43	6.141	6.138	0.003	93	52427	125.0	126.3	
70 Benzene	78	6.247	6.247	0.000	95	181406	5.00	5.24	
72 1,2-Dichloroethane	62	6.302	6.299	0.003	97	64438	5.00	5.19	
73 n-Heptane	43	6.340	6.340	0.000	87	52993	5.00	5.03	
75 Trichloroethene	95	6.813	6.813	0.000	95	49336	5.00	5.07	
76 Methylcyclohexane	83	6.945	6.945	0.000	88	74455	5.00	4.82	
77 1,2-Dichloropropane	63	7.054	7.057	-0.003	93	43445	5.00	5.03	
81 1,4-Dioxane	88	7.164	7.170	-0.006	91	10502	100.0	97.2	
82 Dibromomethane	93	7.202	7.202	0.000	95	31892	5.00	5.25	
83 Dichlorobromomethane	83	7.321	7.318	0.003	97	57396	5.00	5.09	
84 2-Chloroethyl vinyl ether	63	7.536	7.540	-0.004	93	27725	5.00	4.82	
85 cis-1,3-Dichloropropene	75	7.717	7.717	0.000	95	66969	5.00	5.02	
87 4-Methyl-2-pentanone (MIBK)	43	7.823	7.823	0.000	95	228770	25.0	25.8	
88 Toluene	92	8.016	8.016	0.000	99	118559	5.00	5.15	
90 Ethyl methacrylate	69	8.244	8.244	0.000	87	53028	5.00	4.81	
91 trans-1,3-Dichloropropene	75	8.260	8.260	0.000	97	63087	5.00	4.91	
93 1,1,2-Trichloroethane	83	8.466	8.466	0.000	92	35342	5.00	5.11	
94 Tetrachloroethene	166	8.556	8.553	0.003	97	55394	5.00	5.03	
95 1,3-Dichloropropane	76	8.633	8.636	-0.003	93	72751	5.00	5.12	
96 2-Hexanone	43	8.646	8.643	0.003	95	163728	25.0	25.3	
98 Chlorodibromomethane	129	8.887	8.887	0.000	89	45278	5.00	4.98	
101 Ethylene Dibromide	107	9.022	9.022	0.000	97	47914	5.00	5.20	
103 Chlorobenzene	112	9.475	9.475	0.000	98	136138	5.00	5.15	
104 Ethylbenzene	91	9.536	9.537	-0.001	98	216364	5.00	4.94	
105 1,1,1,2-Tetrachloroethane	131	9.556	9.556	0.000	94	45831	5.00	5.10	
106 m-Xylene & p-Xylene	106	9.649	9.652	-0.003	98	85601	5.00	4.89	
107 o-Xylene	106	10.089	10.090	-0.001	96	82201	5.00	4.94	
109 Styrene	104	10.112	10.112	0.000	95	136214	5.00	5.04	
110 Bromoform	173	10.389	10.392	-0.004	94	27987	5.00	4.70	
111 Isopropylbenzene	105	10.440	10.440	0.000	95	214374	5.00	4.80	
112 1,1,2,2-Tetrachloroethane	83	10.813	10.813	0.000	95	61930	5.00	4.97	
113 Bromobenzene	156	10.823	10.823	0.000	90	59093	5.00	5.04	
114 N-Propylbenzene	91	10.845	10.845	0.000	98	263524	5.00	4.92	
115 trans-1,4-Dichloro-2-butene	53	10.855	10.855	0.000	69	13376	5.00	4.45	
116 1,2,3-Trichloropropane	110	10.868	10.868	0.000	84	21166	5.00	5.11	
117 2-Chlorotoluene	126	10.977	10.977	0.000	97	54499	5.00	4.83	
118 1,3,5-Trimethylbenzene	105	10.999	11.000	-0.001	95	183346	5.00	4.93	
119 4-Chlorotoluene	91	11.077	11.080	-0.003	97	155467	5.00	5.06	
120 tert-Butylbenzene	134	11.315	11.318	-0.003	92	41786	5.00	4.84	
121 1,2,4-Trimethylbenzene	105	11.366	11.366	0.000	97	184487	5.00	4.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	11.514	11.514	0.000	94	233882	5.00	4.85	
123 4-Isopropyltoluene	119	11.633	11.633	0.000	97	203218	5.00	4.83	
124 1,3-Dichlorobenzene	146	11.678	11.681	-0.003	98	116308	5.00	5.04	
126 1,4-Dichlorobenzene	146	11.758	11.758	0.000	97	119489	5.00	4.98	
127 n-Butylbenzene	91	11.996	11.996	0.000	97	177001	5.00	4.75	
128 1,2-Dichlorobenzene	146	12.099	12.099	0.000	98	111417	5.00	4.93	
129 1,2-Dibromo-3-Chloropropane	75	12.771	12.774	-0.003	87	9519	5.00	4.60	
130 1,2,4-Trichlorobenzene	180	13.443	13.443	0.000	94	72379	5.00	4.98	
131 Hexachlorobutadiene	225	13.533	13.533	0.000	95	28726	5.00	4.66	
132 Naphthalene	128	13.697	13.697	0.000	97	182353	5.00	4.75	
133 1,2,3-Trichlorobenzene	180	13.925	13.922	0.003	96	66783	5.00	4.91	
S 144 1,3-Dichloropropene, Total	1				0			9.93	
S 141 1,2-Dichloroethene, Total	1				0			10.4	
S 143 Xylenes, Total	1				0			9.83	
S 142 Total BTEX	1				0			25.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00196	Amount Added:	5.00	Units: uL	
GAS CORP mix_00424	Amount Added:	5.00	Units: uL	
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 28-Oct-2020 12:33:39 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3495.D

Injection Date: 27-Oct-2020 15:28:10 Instrument ID: HP5977L

Lims ID: IC 3

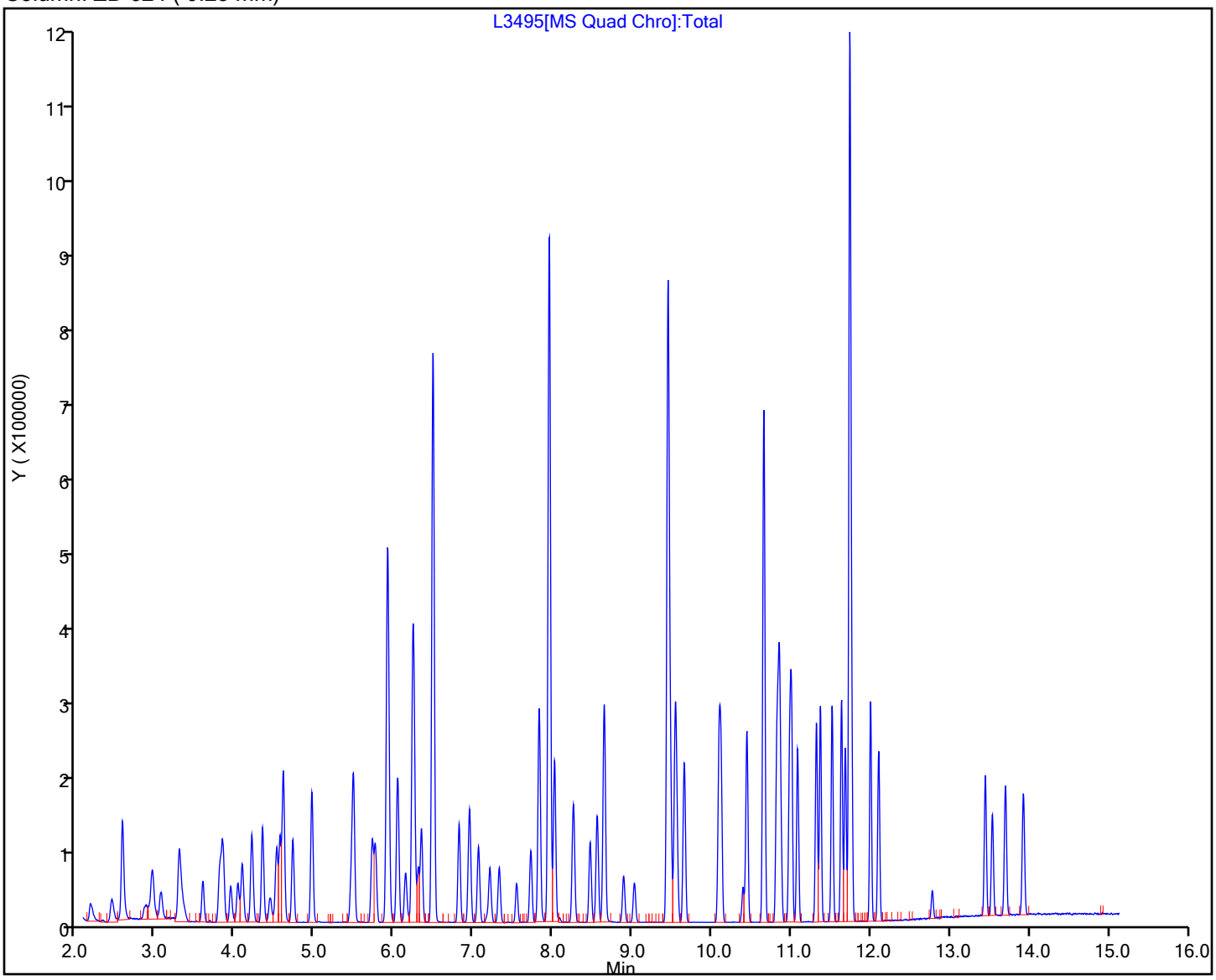
Client ID:

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 14

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3496.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Oct-2020 15:52:35 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0094477-015
Operator ID: LH Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 12:33:46 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1611

First Level Reviewer: HillL Date: 28-Oct-2020 11:01:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	150935	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.447	9.447	0.000	84	638060	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	94	336850	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	95	222841	25.0	24.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.228	6.228	0.000	98	232262	25.0	24.5	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	93	800227	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr)	174	10.656	10.652	0.004	97	267195	25.0	25.9	
10 Dichlorodifluoromethane	85	2.173	2.177	-0.004	99	106067	10.0	9.68	
13 Chloromethane	50	2.437	2.443	-0.006	99	103383	10.0	9.85	
15 Butadiene	54	2.575	2.578	-0.003	89	114988	10.0	10.2	
14 Vinyl chloride	62	2.579	2.582	-0.003	55	112780	10.0	9.77	
18 Bromomethane	94	2.948	2.958	-0.010	90	107583	10.0	9.55	
19 Chloroethane	64	3.058	3.067	-0.009	99	82290	10.0	9.76	
20 Dichlorofluoromethane	67	3.286	3.292	-0.006	97	148208	10.0	9.94	
21 Trichlorofluoromethane	101	3.312	3.312	0.000	98	158361	10.0	10.0	
26 Ethyl ether	59	3.585	3.585	0.000	89	72975	10.0	9.58	
28 Acrolein	56	3.788	3.791	-0.003	100	52203	50.0	48.3	
29 112TCTFE	101	3.817	3.816	0.001	90	89614	10.0	9.73	
30 1,1-Dichloroethene	96	3.839	3.842	-0.003	98	81946	10.0	9.79	
31 Acetone	43	3.935	3.935	0.000	100	145518	50.0	48.1	
33 Iodomethane	142	4.029	4.029	0.000	100	154442	10.0	9.87	
35 Carbon disulfide	76	4.083	4.083	0.000	99	269515	10.0	9.71	
37 3-Chloro-1-propene	41	4.199	4.199	0.000	87	109049	10.0	9.82	
38 Methyl acetate	43	4.212	4.212	0.000	99	133554	20.0	19.8	
39 Methylene Chloride	84	4.337	4.341	-0.003	90	120384	10.0	10.2	
40 2-Methyl-2-propanol	59	4.431	4.431	0.000	98	105763	100.0	98.3	
41 Methyl tert-butyl ether	73	4.517	4.517	0.000	95	240913	10.0	9.93	
42 trans-1,2-Dichloroethene	96	4.559	4.559	0.000	98	94889	10.0	9.80	
44 Acrylonitrile	53	4.598	4.598	0.000	99	362572	100.0	100.9	
47 Hexane	57	4.720	4.720	0.000	90	123818	10.0	9.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
49 Vinyl acetate	43	4.958	4.958	0.000	97	331534	20.0	19.5	
50 1,1-Dichloroethane	63	4.958	4.961	-0.003	63	151452	10.0	9.78	
56 2,2-Dichloropropane	77	5.456	5.459	-0.003	92	93524	10.0	9.46	
57 2-Butanone (MEK)	43	5.485	5.482	0.003	99	226327	50.0	49.8	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	81	101292	10.0	9.70	
60 Chlorobromomethane	128	5.714	5.717	-0.003	84	57389	10.0	10.2	
61 Tetrahydrofuran	42	5.730	5.730	0.000	81	54778	20.0	19.0	
62 Chloroform	83	5.762	5.762	0.000	92	160782	10.0	9.36	
64 1,1,1-Trichloroethane	97	5.903	5.903	0.000	98	140152	10.0	9.71	
65 Cyclohexane	56	5.923	5.922	0.001	88	143744	10.0	9.97	
67 1,1-Dichloropropene	75	6.038	6.041	-0.003	94	124553	10.0	9.80	
66 Carbon tetrachloride	117	6.042	6.041	0.001	91	126398	10.0	9.76	
69 Isobutyl alcohol	43	6.138	6.138	0.000	91	103880	250.0	245.4	
70 Benzene	78	6.247	6.247	0.000	96	355146	10.0	10.1	
72 1,2-Dichloroethane	62	6.299	6.299	0.000	97	123365	10.0	9.74	
73 n-Heptane	43	6.341	6.340	0.001	85	102945	10.0	9.58	
75 Trichloroethene	95	6.813	6.813	0.000	97	98864	10.0	9.96	
76 Methylcyclohexane	83	6.945	6.945	0.000	88	155957	10.0	9.90	
77 1,2-Dichloropropane	63	7.058	7.057	0.001	94	85676	10.0	9.73	
81 1,4-Dioxane	88	7.167	7.170	-0.003	91	23540	200.0	220.1	
82 Dibromomethane	93	7.202	7.202	0.000	94	62212	10.0	10.0	
83 Dichlorobromomethane	83	7.318	7.318	0.000	98	113830	10.0	9.91	
84 2-Chloroethyl vinyl ether	63	7.537	7.540	-0.003	92	57782	10.0	9.85	
85 cis-1,3-Dichloropropene	75	7.717	7.717	0.000	95	134703	10.0	9.90	
87 4-Methyl-2-pentanone (MIBK)	43	7.823	7.823	0.000	95	456207	50.0	52.0	
88 Toluene	92	8.016	8.016	0.000	98	231978	10.0	10.2	
90 Ethyl methacrylate	69	8.247	8.244	0.003	84	107761	10.0	9.88	
91 trans-1,3-Dichloropropene	75	8.260	8.260	0.000	97	130100	10.0	10.2	
93 1,1,2-Trichloroethane	83	8.463	8.466	-0.003	91	70070	10.0	10.2	
94 Tetrachloroethene	166	8.553	8.553	0.000	97	110811	10.0	10.2	
95 1,3-Dichloropropane	76	8.636	8.636	0.000	96	141633	10.0	10.1	
96 2-Hexanone	43	8.643	8.643	0.000	93	330065	50.0	51.5	
98 Chlorodibromomethane	129	8.887	8.887	0.000	89	92443	10.0	10.3	
101 Ethylene Dibromide	107	9.022	9.022	0.000	97	93850	10.0	10.3	
103 Chlorobenzene	112	9.476	9.475	0.001	98	271088	10.0	10.4	
104 Ethylbenzene	91	9.533	9.537	-0.004	97	432646	10.0	9.98	
105 1,1,1,2-Tetrachloroethane	131	9.556	9.556	0.000	94	91589	10.0	10.3	
106 m-Xylene & p-Xylene	106	9.652	9.652	0.000	98	174478	10.0	10.1	
107 o-Xylene	106	10.090	10.090	0.000	96	165693	10.0	10.1	
109 Styrene	104	10.112	10.112	0.000	95	281610	10.0	10.5	
110 Bromoform	173	10.389	10.392	-0.003	95	58035	10.0	9.85	
111 Isopropylbenzene	105	10.440	10.440	0.000	95	437113	10.0	10.3	
112 1,1,2,2-Tetrachloroethane	83	10.813	10.813	0.000	96	121790	10.0	10.3	
113 Bromobenzene	156	10.823	10.823	0.000	91	118496	10.0	10.7	
114 N-Propylbenzene	91	10.845	10.845	0.000	98	522467	10.0	10.3	
115 trans-1,4-Dichloro-2-butene	53	10.855	10.855	0.000	74	28946	10.0	9.47	
116 1,2,3-Trichloropropane	110	10.868	10.868	0.000	85	40995	10.0	10.5	
117 2-Chlorotoluene	126	10.980	10.977	0.003	97	109559	10.0	10.3	
118 1,3,5-Trimethylbenzene	105	11.000	11.000	0.000	95	365547	10.0	10.4	
119 4-Chlorotoluene	91	11.080	11.080	0.000	97	309984	10.0	10.7	
120 tert-Butylbenzene	134	11.318	11.318	0.000	92	85422	10.0	10.5	
121 1,2,4-Trimethylbenzene	105	11.366	11.366	0.000	96	372371	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	11.514	11.514	0.000	94	473120	10.0	10.4	
123 4-Isopropyltoluene	119	11.630	11.633	-0.003	97	415540	10.0	10.4	
124 1,3-Dichlorobenzene	146	11.681	11.681	0.000	98	230944	10.0	10.6	
126 1,4-Dichlorobenzene	146	11.758	11.758	0.000	96	234669	10.0	10.3	
127 n-Butylbenzene	91	11.996	11.996	0.000	97	362790	10.0	10.3	
128 1,2-Dichlorobenzene	146	12.099	12.099	0.000	97	226246	10.0	10.6	
129 1,2-Dibromo-3-Chloropropane	75	12.774	12.774	0.000	89	19707	10.0	10.1	
130 1,2,4-Trichlorobenzene	180	13.443	13.443	0.000	95	147928	10.0	10.8	
131 Hexachlorobutadiene	225	13.533	13.533	0.000	97	61936	10.0	10.4	
132 Naphthalene	128	13.697	13.697	0.000	97	383899	10.0	10.6	
133 1,2,3-Trichlorobenzene	180	13.922	13.922	0.000	95	137142	10.0	10.7	
S 144 1,3-Dichloropropene, Total	1				0			20.1	
S 141 1,2-Dichloroethene, Total	1				0			19.5	
S 143 Xylenes, Total	1				0			20.1	
S 142 Total BTEX	1				0			50.3	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00196	Amount Added:	5.00	Units: uL	
GAS CORP mix_00424	Amount Added:	5.00	Units: uL	
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 28-Oct-2020 12:33:47 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3496.D

Injection Date: 27-Oct-2020 15:52:35 Instrument ID: HP5977L

Lims ID: IC 4

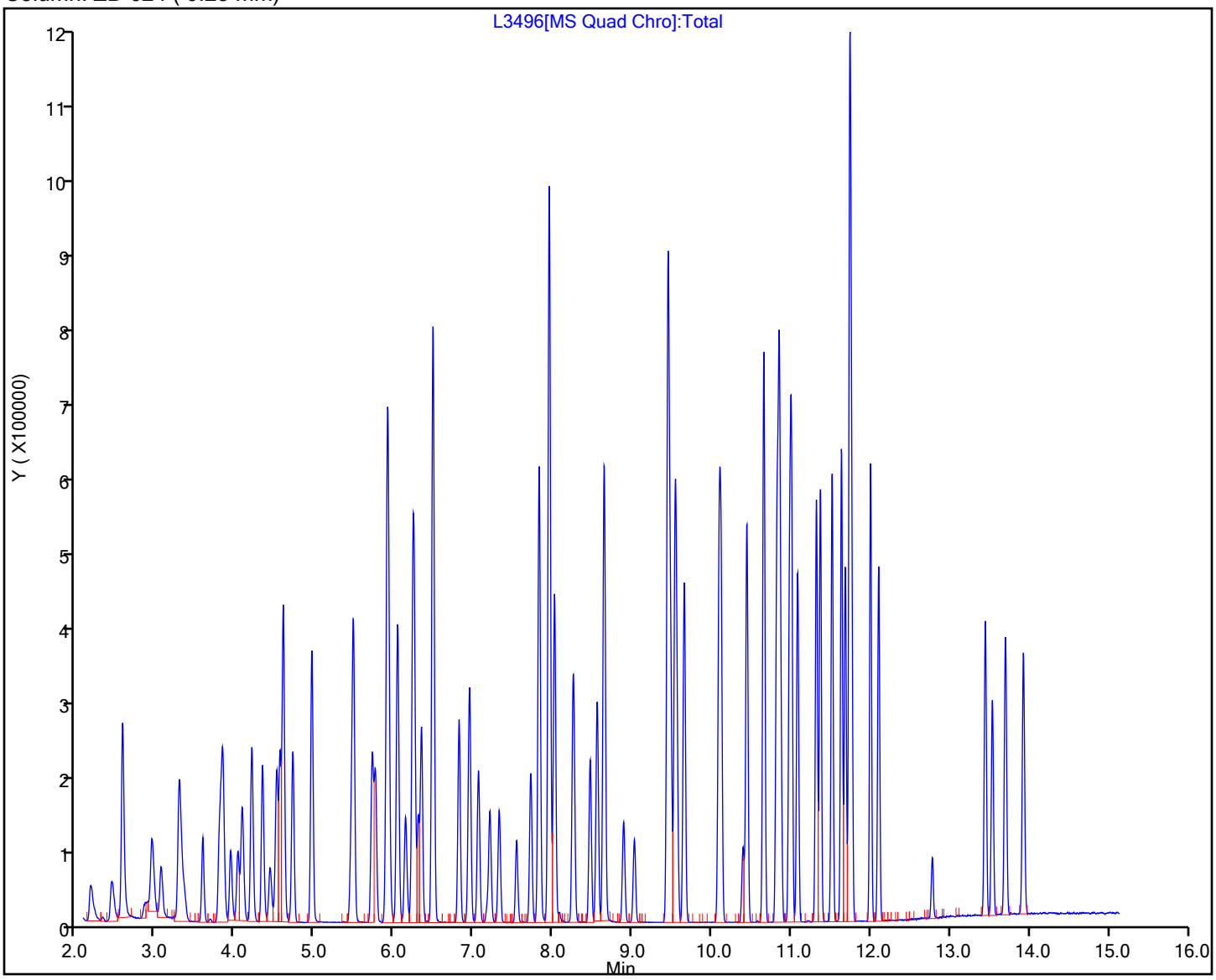
Client ID:

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 15

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3497.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 27-Oct-2020 16:17:24 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0094477-016
Operator ID: LH Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 12:33:54 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1611

First Level Reviewer: HillL Date: 28-Oct-2020 10:54:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	147561	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.443	9.443	0.000	84	652043	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	94	366650	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	92	225294	25.0	25.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.228	6.228	0.000	97	233144	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	93	808797	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	10.652	10.652	0.000	97	276352	25.0	26.2	
10 Dichlorodifluoromethane	85	2.177	2.177	0.000	99	290138	25.0	26.5	
13 Chloromethane	50	2.443	2.443	0.000	99	261331	25.0	25.5	
15 Butadiene	54	2.578	2.578	0.000	89	286334	25.0	25.9	
14 Vinyl chloride	62	2.582	2.582	0.000	98	290015	25.0	25.5	
18 Bromomethane	94	2.958	2.958	0.000	91	246730	25.0	22.4	
19 Chloroethane	64	3.067	3.067	0.000	99	209540	25.0	25.4	
20 Dichlorofluoromethane	67	3.292	3.292	0.000	97	379281	25.0	26.0	
21 Trichlorofluoromethane	101	3.312	3.312	0.000	98	416487	25.0	27.0	
26 Ethyl ether	59	3.585	3.585	0.000	88	183176	25.0	24.6	
28 Acrolein	56	3.791	3.791	0.000	99	139152	125.0	131.8	
29 112TCTFE	101	3.816	3.816	0.000	92	236818	25.0	26.3	
30 1,1-Dichloroethene	96	3.842	3.842	0.000	97	214788	25.0	26.3	
31 Acetone	43	3.935	3.935	0.000	100	367611	125.0	124.3	
33 Iodomethane	142	4.029	4.029	0.000	100	400009	25.0	26.2	
35 Carbon disulfide	76	4.083	4.083	0.000	100	694589	25.0	25.6	
37 3-Chloro-1-propene	41	4.199	4.199	0.000	87	280683	25.0	25.9	
38 Methyl acetate	43	4.212	4.212	0.000	97	333337	50.0	50.4	
39 Methylene Chloride	84	4.341	4.341	0.000	89	262231	25.0	26.3	
40 2-Methyl-2-propanol	59	4.431	4.431	0.000	99	273564	250.0	260.1	
41 Methyl tert-butyl ether	73	4.517	4.517	0.000	94	613928	25.0	25.9	
42 trans-1,2-Dichloroethene	96	4.559	4.559	0.000	97	240285	25.0	25.4	
44 Acrylonitrile	53	4.598	4.598	0.000	99	911785	250.0	259.6	
47 Hexane	57	4.720	4.720	0.000	90	318223	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
49 Vinyl acetate	43	4.958	4.958	0.000	98	873765	50.0	52.6	
50 1,1-Dichloroethane	63	4.961	4.961	0.000	96	382535	25.0	25.3	
56 2,2-Dichloropropane	77	5.459	5.459	0.000	91	239814	25.0	24.8	
57 2-Butanone (MEK)	43	5.482	5.482	0.000	98	569184	125.0	128.2	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	86	260899	25.0	25.6	
60 Chlorobromomethane	128	5.717	5.717	0.000	88	142303	25.0	25.8	
61 Tetrahydrofuran	42	5.730	5.730	0.000	84	140536	50.0	49.9	
62 Chloroform	83	5.762	5.762	0.000	92	406172	25.0	24.2	
64 1,1,1-Trichloroethane	97	5.903	5.903	0.000	98	366056	25.0	25.9	
65 Cyclohexane	56	5.922	5.922	0.000	89	375119	25.0	26.6	
67 1,1-Dichloropropene	75	6.041	6.041	0.000	93	319945	25.0	25.7	
66 Carbon tetrachloride	117	6.041	6.041	0.000	89	332234	25.0	26.2	
69 Isobutyl alcohol	43	6.138	6.138	0.000	91	276957	625.0	669.3	
70 Benzene	78	6.247	6.247	0.000	97	891552	25.0	25.8	
72 1,2-Dichloroethane	62	6.299	6.299	0.000	97	314186	25.0	25.4	
73 n-Heptane	43	6.340	6.340	0.000	87	269637	25.0	25.7	
75 Trichloroethene	95	6.813	6.813	0.000	95	248450	25.0	25.6	
76 Methylcyclohexane	83	6.945	6.945	0.000	87	412182	25.0	26.8	
77 1,2-Dichloropropane	63	7.057	7.057	0.000	94	213581	25.0	24.8	
81 1,4-Dioxane	88	7.170	7.170	0.000	92	56409	500.0	516.0	
82 Dibromomethane	93	7.202	7.202	0.000	94	155130	25.0	25.6	
83 Dichlorobromomethane	83	7.318	7.318	0.000	99	300651	25.0	26.8	
84 2-Chloroethyl vinyl ether	63	7.540	7.540	0.000	93	151007	25.0	26.3	
85 cis-1,3-Dichloropropene	75	7.717	7.717	0.000	91	353911	25.0	26.6	
87 4-Methyl-2-pentanone (MIBK)	43	7.823	7.823	0.000	95	1168830	125.0	130.3	
88 Toluene	92	8.016	8.016	0.000	98	591408	25.0	25.4	
90 Ethyl methacrylate	69	8.244	8.244	0.000	85	295501	25.0	26.5	
91 trans-1,3-Dichloropropene	75	8.260	8.260	0.000	97	346193	25.0	26.7	
93 1,1,2-Trichloroethane	83	8.466	8.466	0.000	92	178429	25.0	25.5	
94 Tetrachloroethene	166	8.553	8.553	0.000	97	283661	25.0	25.5	
95 1,3-Dichloropropane	76	8.636	8.636	0.000	95	364915	25.0	25.4	
96 2-Hexanone	43	8.643	8.643	0.000	94	880252	125.0	134.3	
98 Chlorodibromomethane	129	8.887	8.887	0.000	89	246128	25.0	26.8	
101 Ethylene Dibromide	107	9.022	9.022	0.000	98	235620	25.0	25.3	
103 Chlorobenzene	112	9.475	9.475	0.000	99	673132	25.0	25.2	
104 Ethylbenzene	91	9.537	9.537	0.000	98	1107805	25.0	25.0	
105 1,1,1,2-Tetrachloroethane	131	9.556	9.556	0.000	94	242945	25.0	26.7	
106 m-Xylene & p-Xylene	106	9.652	9.652	0.000	98	450674	25.0	25.5	
107 o-Xylene	106	10.090	10.090	0.000	96	428212	25.0	25.4	
109 Styrene	104	10.112	10.112	0.000	95	731137	25.0	26.7	
110 Bromoform	173	10.392	10.392	0.000	96	162156	25.0	26.9	
111 Isopropylbenzene	105	10.440	10.440	0.000	95	1135359	25.0	24.7	
112 1,1,2,2-Tetrachloroethane	83	10.813	10.813	0.000	96	306151	25.0	23.9	
113 Bromobenzene	156	10.823	10.823	0.000	94	298457	25.0	24.7	
114 N-Propylbenzene	91	10.845	10.845	0.000	98	1354187	25.0	24.6	
115 trans-1,4-Dichloro-2-butene	53	10.855	10.855	0.000	76	80253	25.0	23.3	
116 1,2,3-Trichloropropane	110	10.868	10.868	0.000	83	104779	25.0	24.5	
117 2-Chlorotoluene	126	10.977	10.977	0.000	98	284724	25.0	24.5	
118 1,3,5-Trimethylbenzene	105	11.000	11.000	0.000	96	950395	25.0	24.8	
119 4-Chlorotoluene	91	11.080	11.080	0.000	97	786629	25.0	24.9	
120 tert-Butylbenzene	134	11.318	11.318	0.000	91	219872	25.0	24.8	
121 1,2,4-Trimethylbenzene	105	11.366	11.366	0.000	96	955785	25.0	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	11.514	11.514	0.000	94	1236128	25.0	24.9	
123 4-Isopropyltoluene	119	11.633	11.633	0.000	97	1082281	25.0	25.0	
124 1,3-Dichlorobenzene	146	11.681	11.681	0.000	98	573951	25.0	24.2	
126 1,4-Dichlorobenzene	146	11.758	11.758	0.000	96	586043	25.0	23.7	
127 n-Butylbenzene	91	11.996	11.996	0.000	97	946436	25.0	24.7	
128 1,2-Dichlorobenzene	146	12.099	12.099	0.000	98	563634	25.0	24.2	
129 1,2-Dibromo-3-Chloropropane	75	12.774	12.774	0.000	89	54185	25.0	25.4	
130 1,2,4-Trichlorobenzene	180	13.443	13.443	0.000	94	380573	25.0	25.4	
131 Hexachlorobutadiene	225	13.533	13.533	0.000	97	163427	25.0	25.1	
132 Naphthalene	128	13.697	13.697	0.000	97	1013763	25.0	25.7	
133 1,2,3-Trichlorobenzene	180	13.922	13.922	0.000	95	355785	25.0	25.4	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00196	Amount Added: 12.50	Units: uL	
GAS CORP mix_00424	Amount Added: 12.50	Units: uL	
L_8260_IS_00021	Amount Added: 2.00	Units: uL	Run Reagent
L_8260_SURR_00020	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 28-Oct-2020 12:33:55 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3497.D

Injection Date: 27-Oct-2020 16:17:24 Instrument ID: HP5977L

Lims ID: ICIS 5

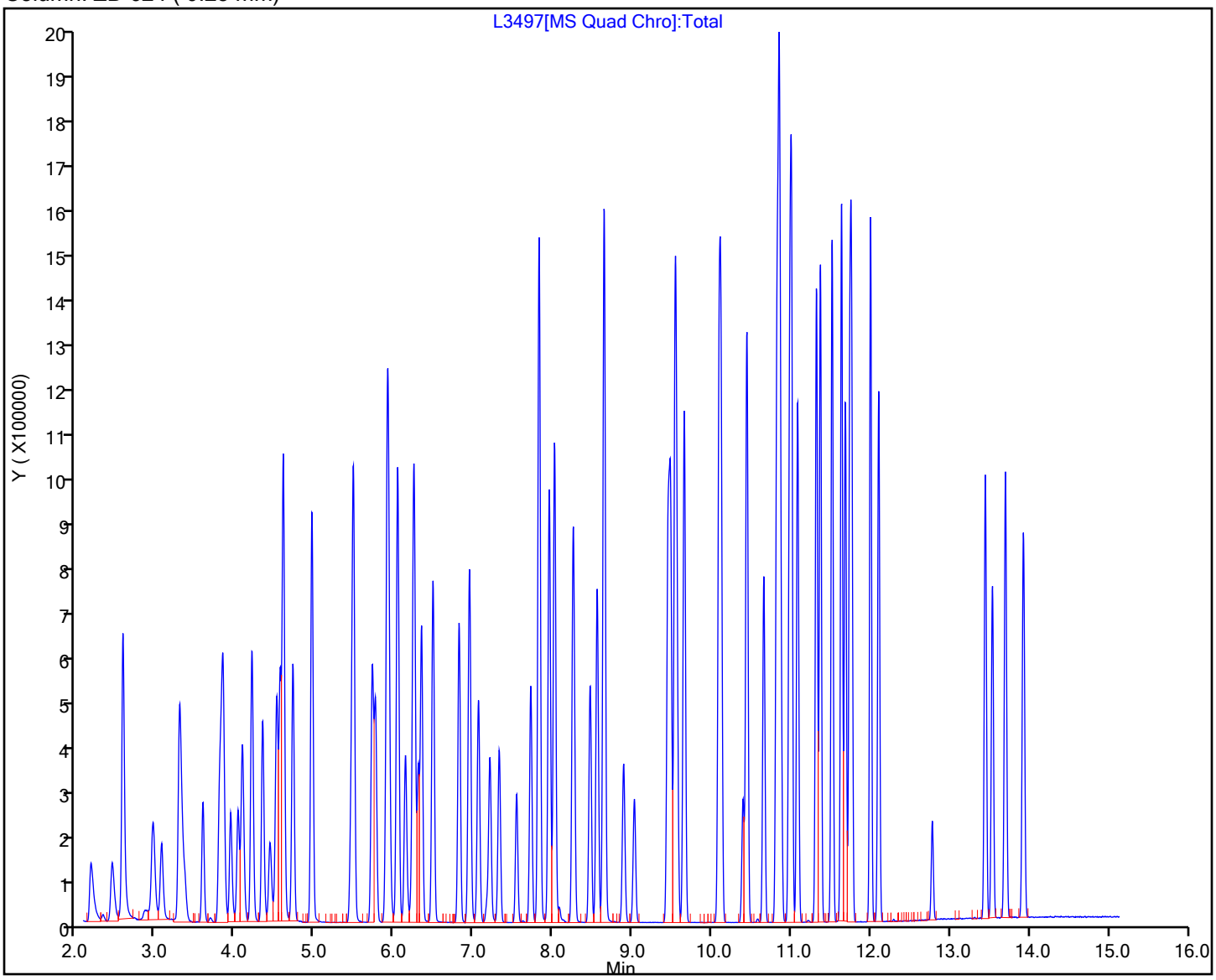
Client ID:

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 16

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3498.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 27-Oct-2020 16:42:16 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0094477-017
Operator ID: LH Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 12:34:03 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1611

First Level Reviewer: HillL Date: 28-Oct-2020 11:02:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	151368	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.446	9.443	0.003	83	678847	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	93	373287	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	92	225703	25.0	24.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.228	6.228	0.000	98	235412	25.0	24.8	
$ 6 Toluene-d8 (Surr)	98	7.951	7.948	0.003	93	797324	25.0	23.7	
$ 7 4-Bromofluorobenzene (Surr)	174	10.655	10.652	0.003	97	256217	25.0	23.4	
10 Dichlorodifluoromethane	85	2.173	2.177	-0.004	99	592727	50.0	52.5	
13 Chloromethane	50	2.434	2.443	-0.009	99	511939	50.0	48.6	
15 Butadiene	54	2.572	2.578	-0.006	88	572081	50.0	50.4	
14 Vinyl chloride	62	2.569	2.582	-0.013	98	598294	50.0	51.1	
18 Bromomethane	94	2.945	2.958	-0.013	92	531929	50.0	47.1	
19 Chloroethane	64	3.058	3.067	-0.009	100	438820	50.0	51.9	
20 Dichlorofluoromethane	67	3.283	3.292	-0.009	98	796753	50.0	53.3	
21 Trichlorofluoromethane	101	3.299	3.312	-0.013	98	842623	50.0	53.2	
26 Ethyl ether	59	3.585	3.585	0.000	89	367396	50.0	48.1	
28 Acrolein	56	3.787	3.791	-0.004	100	284537	250.0	262.7	
29 112TCTFE	101	3.810	3.816	-0.006	92	474887	50.0	51.4	
30 1,1-Dichloroethene	96	3.839	3.842	-0.003	98	425125	50.0	50.7	
31 Acetone	43	3.935	3.935	0.000	100	707148	250.0	233.0	
33 Iodomethane	142	4.025	4.029	-0.004	99	817557	50.0	52.1	
35 Carbon disulfide	76	4.080	4.083	-0.003	100	1435334	50.0	51.6	
37 3-Chloro-1-propene	41	4.199	4.199	0.000	85	550188	50.0	49.4	
38 Methyl acetate	43	4.209	4.212	-0.003	96	643163	100.0	94.9	
39 Methylene Chloride	84	4.337	4.341	-0.003	89	491480	50.0	50.5	
40 2-Methyl-2-propanol	59	4.430	4.431	-0.001	99	553998	500.0	513.4	
41 Methyl tert-butyl ether	73	4.514	4.517	-0.003	94	1245772	50.0	51.2	
42 trans-1,2-Dichloroethene	96	4.559	4.559	0.000	96	488977	50.0	50.4	
44 Acrylonitrile	53	4.598	4.598	0.000	98	1792896	500.0	497.6	
47 Hexane	57	4.720	4.720	0.000	90	628450	50.0	50.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
49 Vinyl acetate	43	4.958	4.958	0.000	97	1804374	100.0	105.9	
50 1,1-Dichloroethane	63	4.958	4.961	-0.003	95	771121	50.0	49.6	
56 2,2-Dichloropropane	77	5.456	5.459	-0.003	90	510722	50.0	51.5	
57 2-Butanone (MEK)	43	5.482	5.482	0.000	99	1118801	250.0	245.6	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	84	529033	50.0	50.5	
60 Chlorobromomethane	128	5.717	5.717	0.000	87	282211	50.0	49.9	
61 Tetrahydrofuran	42	5.729	5.730	-0.001	83	276325	100.0	95.7	
62 Chloroform	83	5.762	5.762	0.000	92	814477	50.0	47.3	
64 1,1,1-Trichloroethane	97	5.903	5.903	0.000	98	747482	50.0	51.6	
65 Cyclohexane	56	5.922	5.922	0.000	89	749868	50.0	51.9	
67 1,1-Dichloropropene	75	6.038	6.041	-0.003	95	640914	50.0	50.3	
66 Carbon tetrachloride	117	6.038	6.041	-0.003	91	686935	50.0	52.9	
69 Isobutyl alcohol	43	6.138	6.138	0.000	92	560535	1250.0	1320.5	
70 Benzene	78	6.247	6.247	0.000	97	1788372	50.0	50.5	
72 1,2-Dichloroethane	62	6.299	6.299	0.000	98	626416	50.0	49.3	
73 n-Heptane	43	6.340	6.340	0.000	87	536686	50.0	49.8	
75 Trichloroethene	95	6.813	6.813	0.000	96	502139	50.0	50.4	
76 Methylcyclohexane	83	6.945	6.945	0.000	87	831208	50.0	52.6	
77 1,2-Dichloropropane	63	7.057	7.057	0.000	93	434761	50.0	49.2	
81 1,4-Dioxane	88	7.164	7.170	-0.006	92	119784	1000.0	1052.5	
82 Dibromomethane	93	7.199	7.202	-0.003	94	314181	50.0	50.6	
83 Dichlorobromomethane	83	7.318	7.318	0.000	99	608005	50.0	52.8	
84 2-Chloroethyl vinyl ether	63	7.536	7.540	-0.004	93	315707	50.0	53.6	
85 cis-1,3-Dichloropropene	75	7.717	7.717	0.000	95	733262	50.0	53.7	
87 4-Methyl-2-pentanone (MIBK)	43	7.819	7.823	-0.004	95	2339926	250.0	250.6	
88 Toluene	92	8.016	8.016	0.000	98	1184146	50.0	48.8	
90 Ethyl methacrylate	69	8.244	8.244	0.000	86	618387	50.0	53.3	
91 trans-1,3-Dichloropropene	75	8.260	8.260	0.000	97	713321	50.0	52.8	
93 1,1,2-Trichloroethane	83	8.466	8.466	0.000	92	358709	50.0	49.2	
94 Tetrachloroethene	166	8.553	8.553	0.000	97	567861	50.0	48.9	
95 1,3-Dichloropropane	76	8.636	8.636	0.000	93	726207	50.0	48.6	
96 2-Hexanone	43	8.643	8.643	0.000	94	1745300	250.0	255.8	
98 Chlorodibromomethane	129	8.887	8.887	0.000	89	511211	50.0	53.4	
101 Ethylene Dibromide	107	9.022	9.022	0.000	98	476462	50.0	49.1	
103 Chlorobenzene	112	9.475	9.475	0.000	97	1357447	50.0	48.7	
104 Ethylbenzene	91	9.536	9.537	-0.001	98	2251860	50.0	48.8	
105 1,1,1,2-Tetrachloroethane	131	9.556	9.556	0.000	95	497755	50.0	52.6	
106 m-Xylene & p-Xylene	106	9.649	9.652	-0.003	98	901076	50.0	48.9	
107 o-Xylene	106	10.089	10.090	-0.001	96	871314	50.0	49.7	
109 Styrene	104	10.112	10.112	0.000	95	1475382	50.0	51.8	
110 Bromoform	173	10.392	10.392	0.000	97	340502	50.0	54.3	
111 Isopropylbenzene	105	10.440	10.440	0.000	95	2299868	50.0	49.1	
112 1,1,2,2-Tetrachloroethane	83	10.813	10.813	0.000	96	612809	50.0	46.9	
113 Bromobenzene	156	10.823	10.823	0.000	92	597154	50.0	48.6	
114 N-Propylbenzene	91	10.845	10.845	0.000	99	2717392	50.0	48.4	
115 trans-1,4-Dichloro-2-butene	53	10.855	10.855	0.000	77	171501	50.0	48.2	
116 1,2,3-Trichloropropane	110	10.868	10.868	0.000	84	206192	50.0	47.4	
117 2-Chlorotoluene	126	10.977	10.977	0.000	97	565652	50.0	47.8	
118 1,3,5-Trimethylbenzene	105	11.003	11.000	0.003	95	1926593	50.0	49.4	
119 4-Chlorotoluene	91	11.080	11.080	0.000	97	1577922	50.0	49.0	
120 tert-Butylbenzene	134	11.315	11.318	-0.003	92	452097	50.0	50.0	
121 1,2,4-Trimethylbenzene	105	11.366	11.366	0.000	96	1946262	50.0	49.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	11.514	11.514	0.000	94	2502991	50.0	49.6	
123 4-Isopropyltoluene	119	11.633	11.633	0.000	97	2193627	50.0	49.7	
124 1,3-Dichlorobenzene	146	11.681	11.681	0.000	98	1148319	50.0	47.5	
126 1,4-Dichlorobenzene	146	11.758	11.758	0.000	96	1174158	50.0	46.6	
127 n-Butylbenzene	91	11.996	11.996	0.000	97	1934171	50.0	49.5	
128 1,2-Dichlorobenzene	146	12.099	12.099	0.000	98	1131005	50.0	47.7	
129 1,2-Dibromo-3-Chloropropane	75	12.774	12.774	0.000	88	112359	50.0	51.8	
130 1,2,4-Trichlorobenzene	180	13.443	13.443	0.000	95	767285	50.0	50.3	
131 Hexachlorobutadiene	225	13.533	13.533	0.000	97	327679	50.0	49.3	
132 Naphthalene	128	13.697	13.697	0.000	97	2054140	50.0	51.1	
133 1,2,3-Trichlorobenzene	180	13.922	13.922	0.000	95	714718	50.0	50.2	
S 144 1,3-Dichloropropene, Total	1				0			106.5	
S 141 1,2-Dichloroethene, Total	1				0			100.9	
S 143 Xylenes, Total	1				0			98.6	
S 142 Total BTEX	1				0			246.7	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00196	Amount Added: 25.00	Units: uL	
GAS CORP mix_00424	Amount Added: 25.00	Units: uL	
L_8260_IS_00021	Amount Added: 2.00	Units: uL	Run Reagent
L_8260_SURR_00020	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 28-Oct-2020 12:34:05 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3498.D

Injection Date: 27-Oct-2020 16:42:16 Instrument ID: HP5977L

Lims ID: IC 6

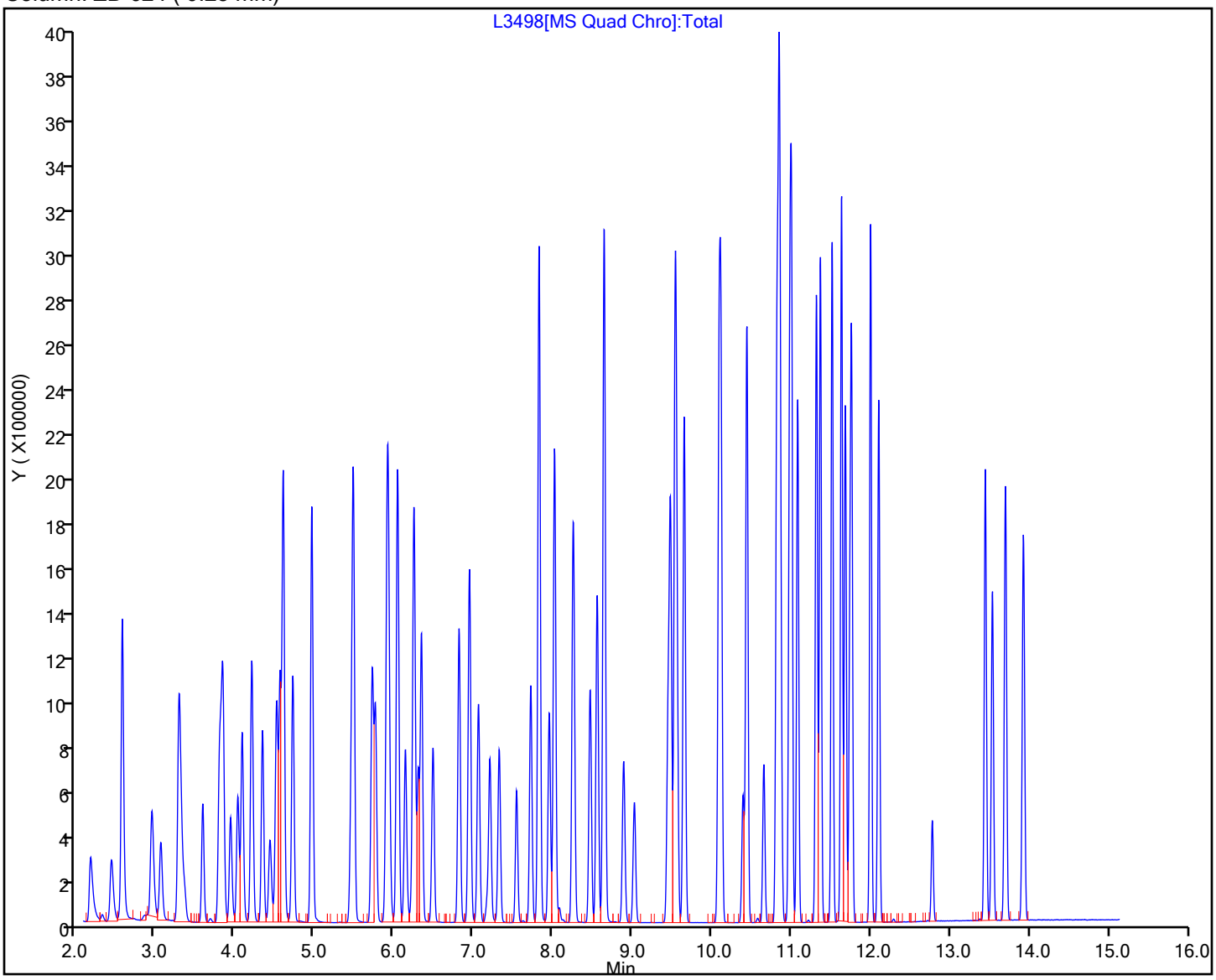
Client ID:

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 17

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3499.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 27-Oct-2020 17:06:42 ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0094477-018
Operator ID: LH Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 12:34:15 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1611

First Level Reviewer: HillL Date: 28-Oct-2020 11:03:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	154101	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.447	9.443	0.004	84	666963	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	95	358929	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	90	233012	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.228	0.003	97	239070	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	93	825412	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	10.652	10.652	0.000	97	279531	25.0	25.9	
10 Dichlorodifluoromethane	85	2.173	2.177	-0.004	99	1110142	100.0	96.4	
13 Chloromethane	50	2.440	2.443	-0.003	99	1015004	100.0	94.7	
15 Butadiene	54	2.572	2.578	-0.006	89	1111012	100.0	96.1	
14 Vinyl chloride	62	2.572	2.582	-0.010	98	1176141	100.0	98.4	
18 Bromomethane	94	2.942	2.958	-0.016	92	1006311	100.0	87.5	
19 Chloroethane	64	3.054	3.067	-0.013	100	814748	100.0	94.7	
20 Dichlorofluoromethane	67	3.286	3.292	-0.006	98	1496822	100.0	98.3	
21 Trichlorofluoromethane	101	3.302	3.312	-0.010	98	1607888	100.0	99.7	
26 Ethyl ether	59	3.585	3.585	0.000	89	726237	100.0	93.4	
28 Acrolein	56	3.788	3.791	-0.003	99	589297	500.0	534.5	
29 112TCTFE	101	3.810	3.816	-0.006	92	923496	100.0	98.2	
30 1,1-Dichloroethene	96	3.839	3.842	-0.003	98	838230	100.0	98.1	
31 Acetone	43	3.935	3.935	0.000	100	1428768	500.0	462.5	
33 Iodomethane	142	4.029	4.029	0.000	100	1604417	100.0	100.5	
35 Carbon disulfide	76	4.083	4.083	0.000	100	2807252	100.0	99.1	
37 3-Chloro-1-propene	41	4.199	4.199	0.000	85	1104889	100.0	97.5	
38 Methyl acetate	43	4.209	4.212	-0.003	96	1298003	200.0	188.0	
39 Methylene Chloride	84	4.337	4.341	-0.003	89	943866	100.0	97.8	
40 2-Methyl-2-propanol	59	4.431	4.431	0.000	99	1189887	1000.0	1083.1	
41 Methyl tert-butyl ether	73	4.514	4.517	-0.003	94	2545656	100.0	102.7	
42 trans-1,2-Dichloroethene	96	4.559	4.559	0.000	96	959387	100.0	97.1	
44 Acrylonitrile	53	4.598	4.598	0.000	98	3572453	1000.0	973.8	
47 Hexane	57	4.717	4.720	-0.003	91	1230014	100.0	96.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
49 Vinyl acetate	43	4.958	4.958	0.000	97	3781453	200.0	218.0	
50 1,1-Dichloroethane	63	4.958	4.961	-0.003	61	1533665	100.0	97.0	
56 2,2-Dichloropropane	77	5.456	5.459	-0.003	91	980929	100.0	97.2	
57 2-Butanone (MEK)	43	5.482	5.482	0.000	98	2269822	500.0	489.5	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	84	1045040	100.0	98.1	
60 Chlorobromomethane	128	5.717	5.717	0.000	87	562751	100.0	97.8	
61 Tetrahydrofuran	42	5.726	5.730	-0.004	82	564512	200.0	192.1	
62 Chloroform	83	5.762	5.762	0.000	92	1611010	100.0	91.9	
64 1,1,1-Trichloroethane	97	5.903	5.903	0.000	98	1480401	100.0	100.4	
65 Cyclohexane	56	5.923	5.922	0.000	88	1462263	100.0	99.3	
67 1,1-Dichloropropene	75	6.038	6.041	-0.003	93	1274688	100.0	98.2	
66 Carbon tetrachloride	117	6.038	6.041	-0.003	90	1367568	100.0	103.4	
69 Isobutyl alcohol	43	6.138	6.138	0.000	92	1181472	2500.0	2734.0	
70 Benzene	78	6.247	6.247	0.000	96	3539676	100.0	98.2	
72 1,2-Dichloroethane	62	6.299	6.299	0.000	97	1251926	100.0	96.8	
73 n-Heptane	43	6.341	6.340	0.000	86	1046796	100.0	95.4	
75 Trichloroethene	95	6.813	6.813	0.000	96	992590	100.0	97.9	
76 Methylcyclohexane	83	6.945	6.945	0.000	87	1613087	100.0	100.3	
77 1,2-Dichloropropane	63	7.058	7.057	0.001	94	863591	100.0	96.0	
81 1,4-Dioxane	88	7.167	7.170	-0.003	90	234451	2000.0	2096.8	
82 Dibromomethane	93	7.202	7.202	0.000	94	634191	100.0	100.2	
83 Dichlorobromomethane	83	7.318	7.318	0.000	99	1243743	100.0	106.0	
84 2-Chloroethyl vinyl ether	63	7.540	7.540	0.000	93	639499	100.0	106.7	
85 cis-1,3-Dichloropropene	75	7.717	7.717	0.000	96	1495202	100.0	107.6	
87 4-Methyl-2-pentanone (MIBK)	43	7.823	7.823	0.000	95	4722837	500.0	514.7	
88 Toluene	92	8.016	8.016	0.000	98	2356860	100.0	98.9	
90 Ethyl methacrylate	69	8.244	8.244	0.000	87	1258731	100.0	110.4	
91 trans-1,3-Dichloropropene	75	8.260	8.260	0.000	98	1451338	100.0	109.2	
93 1,1,2-Trichloroethane	83	8.466	8.466	0.000	92	710119	100.0	99.2	
94 Tetrachloroethene	166	8.553	8.553	0.000	97	1116268	100.0	97.9	
95 1,3-Dichloropropane	76	8.636	8.636	0.000	95	1445631	100.0	98.4	
96 2-Hexanone	43	8.643	8.643	0.000	93	3476683	500.0	518.6	
98 Chlorodibromomethane	129	8.887	8.887	0.000	89	1067228	100.0	113.5	
101 Ethylene Dibromide	107	9.022	9.022	0.000	98	961970	100.0	101.0	
103 Chlorobenzene	112	9.479	9.475	0.004	98	2700447	100.0	98.7	
104 Ethylbenzene	91	9.537	9.537	0.000	98	4420901	100.0	97.5	
105 1,1,1,2-Tetrachloroethane	131	9.556	9.556	0.000	95	1001252	100.0	107.7	
106 m-Xylene & p-Xylene	106	9.652	9.652	0.000	98	1788683	100.0	98.8	
107 o-Xylene	106	10.090	10.090	0.000	96	1748732	100.0	101.6	
109 Styrene	104	10.112	10.112	0.000	94	3003391	100.0	107.4	
110 Bromoform	173	10.392	10.392	0.000	97	718675	100.0	116.7	
111 Isopropylbenzene	105	10.440	10.440	0.000	95	4572700	100.0	101.5	
112 1,1,2,2-Tetrachloroethane	83	10.813	10.813	0.000	95	1223184	100.0	97.4	
113 Bromobenzene	156	10.823	10.823	0.000	92	1195552	100.0	101.2	
114 N-Propylbenzene	91	10.845	10.845	0.000	99	5402990	100.0	100.2	
115 trans-1,4-Dichloro-2-butene	53	10.855	10.855	0.000	78	359007	100.0	104.3	
116 1,2,3-Trichloropropane	110	10.868	10.868	0.000	84	408121	100.0	97.7	
117 2-Chlorotoluene	126	10.977	10.977	0.000	97	1123608	100.0	98.8	
118 1,3,5-Trimethylbenzene	105	11.003	11.000	0.003	96	3806225	100.0	101.5	
119 4-Chlorotoluene	91	11.080	11.080	0.000	97	3124791	100.0	100.9	
120 tert-Butylbenzene	134	11.318	11.318	0.000	92	899028	100.0	103.4	
121 1,2,4-Trimethylbenzene	105	11.366	11.366	0.000	97	3905051	100.0	102.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	11.514	11.514	0.000	94	4970973	100.0	102.4	
123 4-Isopropyltoluene	119	11.630	11.633	-0.003	97	4433302	100.0	104.5	
124 1,3-Dichlorobenzene	146	11.681	11.681	0.000	98	2319755	100.0	99.8	
126 1,4-Dichlorobenzene	146	11.758	11.758	0.000	96	2342882	100.0	96.8	
127 n-Butylbenzene	91	12.000	11.996	0.004	98	3856195	100.0	102.7	
128 1,2-Dichlorobenzene	146	12.099	12.099	0.000	98	2245473	100.0	98.5	
129 1,2-Dibromo-3-Chloropropane	75	12.774	12.774	0.000	89	232641	100.0	111.5	
130 1,2,4-Trichlorobenzene	180	13.443	13.443	0.000	94	1547585	100.0	105.6	
131 Hexachlorobutadiene	225	13.533	13.533	0.000	97	642606	100.0	100.3	
132 Naphthalene	128	13.697	13.697	0.000	97	4183025	100.0	108.2	
133 1,2,3-Trichlorobenzene	180	13.922	13.922	0.000	95	1438922	100.0	105.0	
S 144 1,3-Dichloropropene, Total	1				0			216.9	
S 141 1,2-Dichloroethene, Total	1				0			195.1	
S 143 Xylenes, Total	1				0			200.3	
S 142 Total BTEX	1				0			495.0	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00196	Amount Added: 50.00	Units: uL	
GAS CORP mix_00424	Amount Added: 50.00	Units: uL	
L_8260_IS_00021	Amount Added: 2.00	Units: uL	Run Reagent
L_8260_SURR_00020	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 28-Oct-2020 12:34:16 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3499.D

Injection Date: 27-Oct-2020 17:06:42 Instrument ID: HP5977L

Lims ID: IC 7

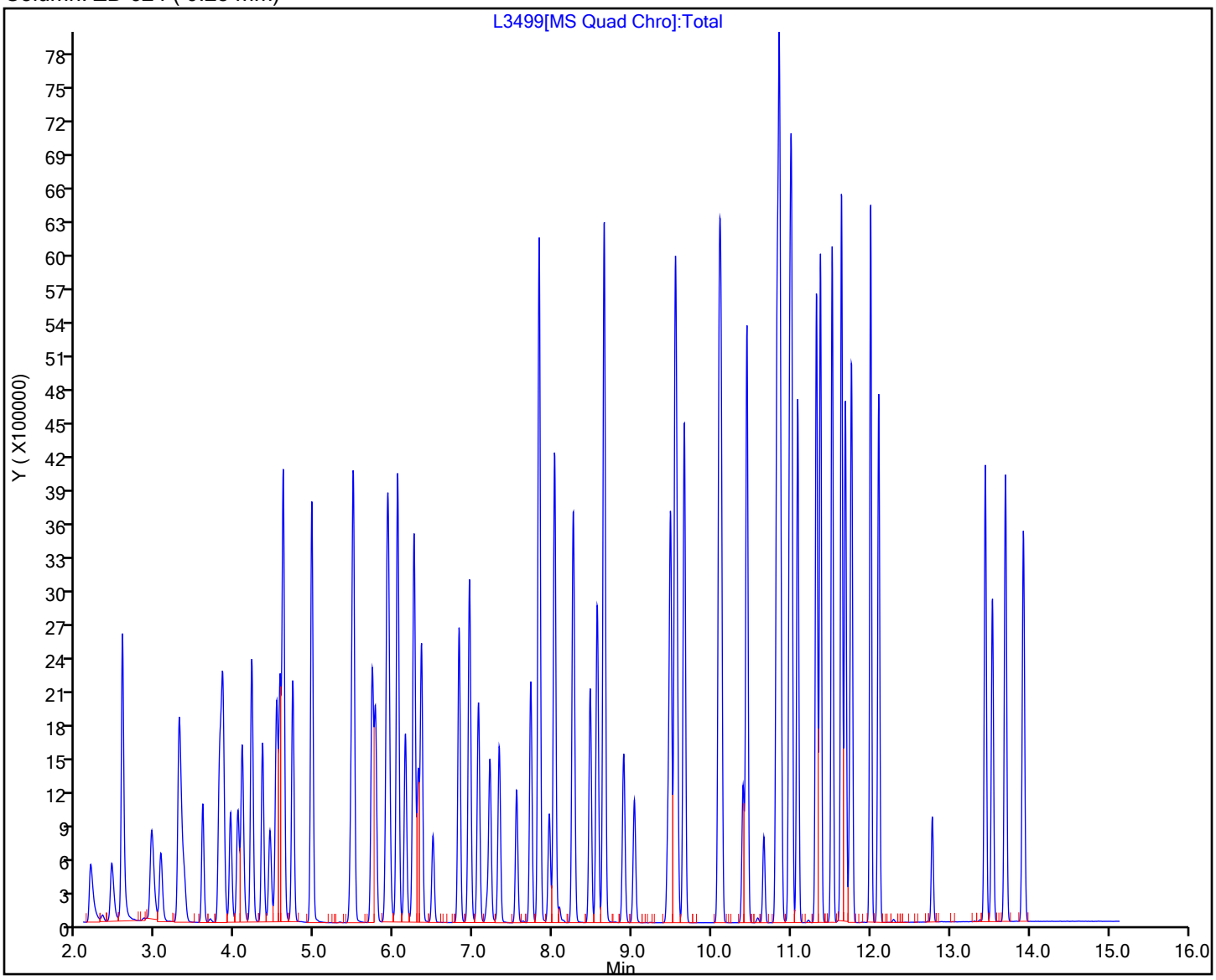
Client ID:

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 18

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab Sample ID: ICV 480-553342/31 Calibration Date: 10/10/2020 21:01

Instrument ID: HP5975D Calib Start Date: 10/10/2020 12:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:35

Lab File ID: D37017.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.711	1.799	0.1000	26.3	25.0	5.1	50.0
Chloromethane	Ave	2.102	2.057	0.1000	24.5	25.0	-2.1	30.0
Vinyl chloride	Ave	1.862	1.922	0.1000	25.8	25.0	3.2	30.0
Butadiene	Ave	1.634	1.752		26.8	25.0	7.2	30.0
Bromomethane	Ave	1.094	1.205	0.1000	27.5	25.0	10.1	50.0
Chloroethane	Ave	1.061	1.021	0.1000	24.1	25.0	-3.8	50.0
Trichlorofluoromethane	Ave	2.142	2.215	0.1000	25.9	25.0	3.4	30.0
Dichlorofluoromethane	Ave	2.653	2.577		24.3	25.0	-2.9	30.0
Ethyl ether	Ave	1.152	1.158		25.1	25.0	0.5	30.0
Acrolein	Ave	0.1089	0.1055		121	125	-3.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.218	1.300	0.1000	26.7	25.0	6.8	30.0
1,1-Dichloroethene	Ave	1.166	1.273	0.1000	27.3	25.0	9.1	30.0
Acetone	Ave	0.4686	0.4485	0.1000	120	125	-4.3	50.0
Iodomethane	Ave	2.400	2.647		27.6	25.0	10.3	30.0
Carbon disulfide	Ave	4.185	4.556	0.1000	27.2	25.0	8.9	30.0
Allyl chloride	Ave	2.232	2.297		25.7	25.0	2.9	30.0
Methyl acetate	Ave	1.103	1.094	0.1000	49.6	50.0	-0.7	50.0
Methylene Chloride	Lin1		1.544	0.1000	26.0	25.0	3.8	30.0
2-Methyl-2-propanol	Ave	0.1481	0.1544		261	250	4.3	50.0
Methyl tert-butyl ether	Ave	3.725	3.856	0.1000	25.9	25.0	3.5	30.0
trans-1,2-Dichloroethene	Ave	1.336	1.424	0.1000	26.6	25.0	6.6	30.0
Acrylonitrile	Ave	0.5287	0.5444		257	250	3.0	30.0
Hexane	Ave	1.926	1.977		25.7	25.0	2.6	30.0
1,1-Dichloroethane	Ave	2.531	2.604	0.2000	25.7	25.0	2.9	30.0
Vinyl acetate	Ave	3.224	3.233		50.1	50.0	0.3	30.0
2,2-Dichloropropane	Ave	1.513	1.388		22.9	25.0	-8.3	30.0
cis-1,2-Dichloroethene	Ave	1.540	1.557	0.1000	25.3	25.0	1.1	30.0
2-Butanone (MEK)	Ave	0.7367	0.7373	0.1000	125	125	0.0	30.0
Chlorobromomethane	Ave	0.8619	0.8762		25.4	25.0	1.7	30.0
Tetrahydrofuran	Ave	0.4724	0.4672		49.4	50.0	-1.1	30.0
Chloroform	Ave	2.769	2.691	0.2000	24.3	25.0	-2.8	30.0
1,1,1-Trichloroethane	Ave	2.121	2.272	0.1000	26.8	25.0	7.1	30.0
Cyclohexane	Ave	2.331	2.501	0.1000	26.8	25.0	7.3	30.0
Carbon tetrachloride	Ave	1.909	1.942	0.1000	25.4	25.0	1.7	30.0
1,1-Dichloropropene	Ave	1.888	1.964		26.0	25.0	4.0	30.0
Isobutyl alcohol	Ave	0.0617	0.0641		650	625	4.0	50.0
Benzene	Ave	5.415	5.471	0.5000	25.3	25.0	1.0	30.0
1,2-Dichloroethane	Ave	2.278	2.214	0.1000	24.3	25.0	-2.8	30.0
n-Heptane	Ave	2.205	2.119		24.0	25.0	-3.9	30.0
Trichloroethene	Ave	1.509	1.550	0.2000	25.7	25.0	2.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab Sample ID: ICV 480-553342/31 Calibration Date: 10/10/2020 21:01

Instrument ID: HP5975D Calib Start Date: 10/10/2020 12:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:35

Lab File ID: D37017.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.253	2.319	0.1000	25.7	25.0	2.9	30.0
1,2-Dichloropropane	Ave	1.471	1.483	0.1000	25.2	25.0	0.8	30.0
1,4-Dioxane	Lin1		0.0043		428	500	-14.5	50.0
Dibromomethane	Ave	1.039	1.056	0.1000	25.4	25.0	1.6	30.0
Bromodichloromethane	Ave	1.964	2.030	0.2000	25.9	25.0	3.4	30.0
2-Chloroethyl vinyl ether	Ave	0.8768	0.9898		28.2	25.0	12.9	30.0
cis-1,3-Dichloropropene	Ave	2.252	2.304	0.2000	25.6	25.0	2.3	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7319	0.7355	0.1000	126	125	0.5	30.0
Toluene	Ave	1.647	1.662	0.4000	25.2	25.0	0.9	30.0
trans-1,3-Dichloropropene	Ave	0.998	1.027	0.1000	25.7	25.0	2.9	30.0
Ethyl methacrylate	Ave	0.8178	0.8655		26.5	25.0	5.8	30.0
1,1,2-Trichloroethane	Ave	0.5412	0.5523	0.1000	25.5	25.0	2.0	30.0
Tetrachloroethene	Ave	0.7664	0.7679	0.2000	25.0	25.0	0.2	30.0
1,3-Dichloropropane	Ave	1.033	1.038		25.1	25.0	0.5	30.0
2-Hexanone	Ave	0.5273	0.5355	0.1000	127	125	1.6	30.0
Dibromochloromethane	Ave	0.7324	0.7761	0.1000	26.5	25.0	6.0	30.0
1,2-Dibromoethane	Ave	0.7134	0.7302		25.6	25.0	2.4	30.0
Chlorobenzene	Ave	1.924	1.918	0.5000	24.9	25.0	-0.3	30.0
Ethylbenzene	Ave	3.143	3.181	0.1000	25.3	25.0	1.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.6684	0.7016		26.2	25.0	5.0	30.0
m,p-Xylene	Ave	1.210	1.230	0.1000	25.4	25.0	1.7	30.0
o-Xylene	Ave	1.182	1.195	0.3000	25.3	25.0	1.1	30.0
Styrene	Ave	2.015	2.049	0.3000	25.4	25.0	1.7	30.0
Bromoform	Ave	0.4747	0.5111	0.1000	26.9	25.0	7.7	50.0
Isopropylbenzene	Ave	2.979	3.079	0.1000	25.8	25.0	3.3	30.0
Bromobenzene	Ave	0.8670	0.8724		25.2	25.0	0.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8851	0.8912	0.3000	25.2	25.0	0.7	30.0
N-Propylbenzene	Ave	3.674	3.743		25.5	25.0	1.9	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2546	0.2596		25.5	25.0	2.0	50.0
1,2,3-Trichloropropane	Ave	0.2399	0.2461		25.6	25.0	2.6	30.0
2-Chlorotoluene	Ave	0.7502	0.7645		25.5	25.0	1.9	30.0
1,3,5-Trimethylbenzene	Ave	2.546	2.630		25.8	25.0	3.3	30.0
4-Chlorotoluene	Ave	0.7840	0.7903		25.2	25.0	0.8	30.0
tert-Butylbenzene	Ave	0.5138	0.5204		25.3	25.0	1.3	30.0
1,2,4-Trimethylbenzene	Ave	2.647	2.666		25.2	25.0	0.7	30.0
sec-Butylbenzene	Ave	3.358	3.398		25.3	25.0	1.2	30.0
4-Isopropyltoluene	Ave	2.867	2.893		25.2	25.0	0.9	30.0
1,3-Dichlorobenzene	Ave	1.598	1.600	0.6000	25.0	25.0	0.1	30.0
1,4-Dichlorobenzene	Ave	1.637	1.626	0.5000	24.8	25.0	-0.6	30.0
n-Butylbenzene	Ave	2.645	2.694		25.5	25.0	1.9	30.0
1,2-Dichlorobenzene	Ave	1.577	1.580	0.4000	25.1	25.0	0.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab Sample ID: ICV 480-553342/31 Calibration Date: 10/10/2020 21:01

Instrument ID: HP5975D Calib Start Date: 10/10/2020 12:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:35

Lab File ID: D37017.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1480	0.1551	0.0500	26.2	25.0	4.8	50.0
1,2,4-Trichlorobenzene	Ave	1.115	1.104	0.2000	24.7	25.0	-1.0	30.0
Hexachlorobutadiene	Ave	0.5526	0.5582		25.3	25.0	1.0	30.0
Naphthalene	Ave	2.722	2.722		25.0	25.0	0.0	30.0
1,2,3-Trichlorobenzene	Ave	1.057	1.040		24.6	25.0	-1.5	30.0
Dibromofluoromethane (Surr)	Ave	1.491	1.484		24.9	25.0	-0.5	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8758	0.8613		24.6	25.0	-1.7	30.0
Toluene-d8 (Surr)	Ave	2.362	2.319		24.5	25.0	-1.8	30.0
4-Bromofluorobenzene (Surr)	Ave	0.8230	0.8100		24.6	25.0	-1.6	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37017.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 10-Oct-2020 21:01:30 ALS Bottle#: 31 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0094037-031
Operator ID: LH Instrument ID: HP5975D
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:15:16 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 11-Oct-2020 11:12:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.434	0.000	98	159027	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.818	-0.006	87	344451	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	350542	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.952	-0.006	94	236017	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.209	5.220	-0.011	98	136972	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.647	6.653	-0.006	94	798849	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.781	-0.006	92	279022	25.0	24.6	
10 Dichlorodifluoromethane	85	1.447	1.459	-0.012	99	286104	25.0	26.3	
12 Chloromethane	50	1.660	1.666	-0.006	99	327188	25.0	24.5	
13 Vinyl chloride	62	1.758	1.770	-0.012	98	305620	25.0	25.8	
144 Butadiene	54	1.788	1.794	-0.006	93	278594	25.0	26.8	
14 Bromomethane	94	2.136	2.148	-0.012	91	191628	25.0	27.5	
15 Chloroethane	64	2.240	2.245	-0.005	98	162427	25.0	24.1	
17 Trichlorofluoromethane	101	2.465	2.471	-0.006	98	352321	25.0	25.9	
16 Dichlorofluoromethane	67	2.471	2.477	-0.006	98	409826	25.0	24.3	
18 Ethyl ether	59	2.746	2.751	-0.005	97	184144	25.0	25.1	
20 Acrolein	56	2.935	2.947	-0.012	99	83904	125.0	121.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.977	2.989	-0.012	96	206808	25.0	26.7	
22 1,1-Dichloroethene	96	3.002	3.008	-0.006	96	202428	25.0	27.3	
23 Acetone	43	3.087	3.099	-0.012	98	356640	125.0	119.6	
25 Iodomethane	142	3.172	3.184	-0.012	99	420971	25.0	27.6	
26 Carbon disulfide	76	3.197	3.203	-0.006	100	724491	25.0	27.2	
28 3-Chloro-1-propene	41	3.331	3.337	-0.006	88	365337	25.0	25.7	
27 Methyl acetate	43	3.367	3.379	-0.012	99	348106	50.0	49.6	
30 Methylene Chloride	84	3.508	3.520	-0.012	97	245572	25.0	26.0	
31 2-Methyl-2-propanol	59	3.617	3.629	-0.012	94	245606	250.0	260.7	
32 Methyl tert-butyl ether	73	3.654	3.666	-0.012	98	613163	25.0	25.9	
34 trans-1,2-Dichloroethene	96	3.678	3.690	-0.012	96	226506	25.0	26.6	
33 Acrylonitrile	53	3.733	3.745	-0.012	97	865768	250.0	257.4	
35 Hexane	57	3.849	3.855	-0.006	95	314363	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.062	4.068	-0.006	97	414082	25.0	25.7	
37 Vinyl acetate	43	4.093	4.105	-0.012	97	1028364	50.0	50.1	
44 2,2-Dichloropropane	77	4.520	4.526	-0.006	92	220761	25.0	22.9	
45 cis-1,2-Dichloroethene	96	4.550	4.556	-0.006	84	247552	25.0	25.3	
43 2-Butanone (MEK)	43	4.568	4.580	-0.012	99	586249	125.0	125.1	
48 Chlorobromomethane	128	4.757	4.763	-0.006	97	139338	25.0	25.4	
49 Tetrahydrofuran	42	4.764	4.775	-0.011	87	148594	50.0	49.4	
50 Chloroform	83	4.812	4.818	-0.006	95	427979	25.0	24.3	
51 1,1,1-Trichloroethane	97	4.916	4.922	-0.006	98	361270	25.0	26.8	
52 Cyclohexane	56	4.922	4.928	-0.006	94	397709	25.0	26.8	
55 Carbon tetrachloride	117	5.032	5.038	-0.006	98	308874	25.0	25.4	
54 1,1-Dichloropropene	75	5.038	5.044	-0.006	94	312382	25.0	26.0	
53 Isobutyl alcohol	43	5.196	5.202	-0.006	92	254907	625.0	649.9	
57 Benzene	78	5.215	5.220	-0.005	97	870056	25.0	25.3	
58 1,2-Dichloroethane	62	5.270	5.275	-0.005	98	352025	25.0	24.3	
59 n-Heptane	43	5.330	5.342	-0.012	95	336978	25.0	24.0	
62 Trichloroethene	95	5.708	5.720	-0.012	97	246556	25.0	25.7	
64 Methylcyclohexane	83	5.812	5.818	-0.006	94	368772	25.0	25.7	
65 1,2-Dichloropropane	63	5.910	5.922	-0.012	91	235836	25.0	25.2	
66 1,4-Dioxane	88	6.019	6.025	-0.006	96	29357	500.0	427.6	
67 Dibromomethane	93	6.032	6.037	-0.005	96	167921	25.0	25.4	
68 Dichlorobromomethane	83	6.141	6.147	-0.006	98	322902	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	6.336	6.348	-0.012	93	157397	25.0	28.2	
72 cis-1,3-Dichloropropene	75	6.464	6.470	-0.006	93	366375	25.0	25.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.574	-0.012	98	1266703	125.0	125.6	
74 Toluene	92	6.696	6.708	-0.012	98	572616	25.0	25.2	
77 trans-1,3-Dichloropropene	75	6.909	6.915	-0.006	98	353865	25.0	25.7	
75 Ethyl methacrylate	69	6.916	6.921	-0.005	91	298117	25.0	26.5	
79 1,1,2-Trichloroethane	83	7.062	7.074	-0.012	92	190234	25.0	25.5	
81 Tetrachloroethene	166	7.123	7.129	-0.006	96	264495	25.0	25.0	
82 1,3-Dichloropropane	76	7.196	7.202	-0.006	96	357614	25.0	25.1	
80 2-Hexanone	43	7.214	7.226	-0.012	97	922325	125.0	127.0	
83 Chlorodibromomethane	129	7.385	7.391	-0.006	90	267338	25.0	26.5	
84 Ethylene Dibromide	107	7.482	7.488	-0.006	98	251528	25.0	25.6	
87 Chlorobenzene	112	7.836	7.842	-0.006	98	660679	25.0	24.9	
88 Ethylbenzene	91	7.891	7.897	-0.006	99	1095634	25.0	25.3	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.909	-0.006	95	241663	25.0	26.2	
90 m-Xylene & p-Xylene	106	7.982	7.988	-0.006	99	423555	25.0	25.4	
91 o-Xylene	106	8.318	8.324	-0.006	97	411567	25.0	25.3	
92 Styrene	104	8.336	8.342	-0.006	95	705906	25.0	25.4	
95 Bromoform	173	8.555	8.561	-0.006	96	176049	25.0	26.9	
94 Isopropylbenzene	105	8.604	8.610	-0.006	96	1079152	25.0	25.8	
101 Bromobenzene	156	8.909	8.921	-0.012	93	305828	25.0	25.2	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.927	-0.006	96	312413	25.0	25.2	
99 N-Propylbenzene	91	8.946	8.951	-0.005	99	1312029	25.0	25.5	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.964	-0.006	76	91014	25.0	25.5	
100 1,2,3-Trichloropropane	110	8.964	8.970	-0.006	87	86254	25.0	25.6	
103 2-Chlorotoluene	126	9.049	9.055	-0.006	97	267985	25.0	25.5	
102 1,3,5-Trimethylbenzene	105	9.080	9.086	-0.006	93	921832	25.0	25.8	
105 4-Chlorotoluene	126	9.141	9.147	-0.006	98	277045	25.0	25.2	
106 tert-Butylbenzene	134	9.360	9.366	-0.006	93	182411	25.0	25.3	
107 1,2,4-Trimethylbenzene	105	9.403	9.409	-0.006	98	934481	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.537	9.543	-0.006	95	1191047	25.0	25.3	
110 4-Isopropyltoluene	119	9.653	9.659	-0.006	97	1014044	25.0	25.2	
111 1,3-Dichlorobenzene	146	9.683	9.695	-0.012	98	560999	25.0	25.0	
113 1,4-Dichlorobenzene	146	9.763	9.768	-0.005	96	569982	25.0	24.8	
115 n-Butylbenzene	91	10.006	10.012	-0.006	98	944421	25.0	25.5	
116 1,2-Dichlorobenzene	146	10.092	10.098	-0.006	99	553974	25.0	25.1	
117 1,2-Dibromo-3-Chloropropane	75	10.781	10.786	-0.005	85	54374	25.0	26.2	
119 1,2,4-Trichlorobenzene	180	11.421	11.427	-0.006	95	386899	25.0	24.7	
120 Hexachlorobutadiene	225	11.512	11.518	-0.006	98	195666	25.0	25.3	
121 Naphthalene	128	11.634	11.640	-0.006	97	954072	25.0	25.0	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	364636	25.0	24.6	

QC Flag Legend

Processing Flags

Reagents:

SS 8260 CORP_00087	Amount Added: 12.50	Units: uL	
SS GAS CORP_00372	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00022	Amount Added: 1.00	Units: uL	Run Reagent

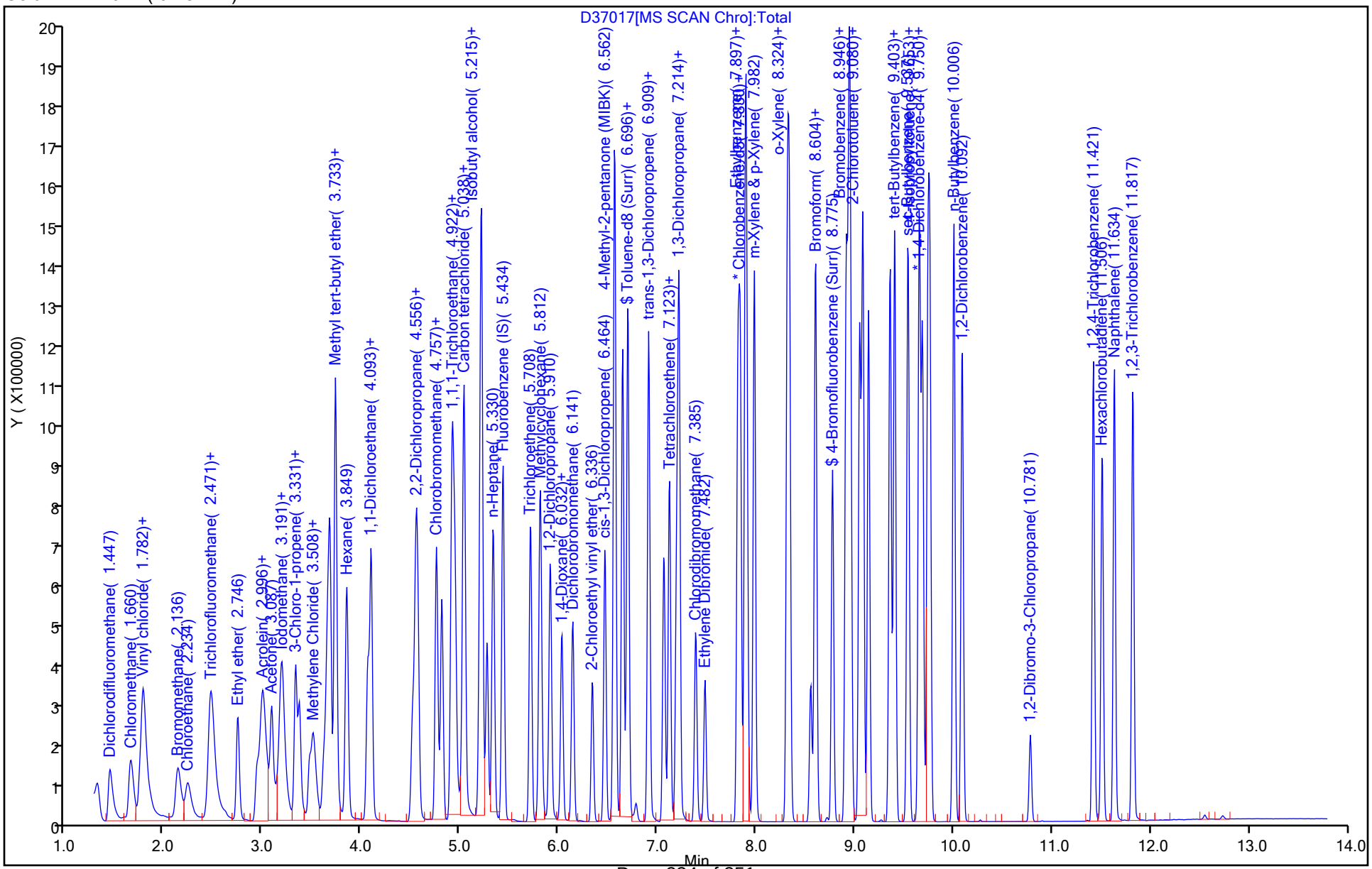
Report Date: 11-Oct-2020 11:15:20 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37017.D

Injection Date:	10-Oct-2020 21:01:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	ICV			Worklist Smp#:	31
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab Sample ID: CCVIS 480-558106/3 Calibration Date: 11/09/2020 10:35

Instrument ID: HP5975D Calib Start Date: 10/10/2020 12:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:35

Lab File ID: D38282.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.711	1.884	0.1000	27.5	25.0	10.1	50.0
Chloromethane	Ave	2.102	1.817	0.1000	21.6	25.0	-13.6	20.0
Vinyl chloride	Ave	1.862	1.727	0.1000	23.2	25.0	-7.2	20.0
Butadiene	Ave	1.634	1.490		22.8	25.0	-8.8	20.0
Bromomethane	Ave	1.094	1.152	0.1000	26.3	25.0	5.3	50.0
Chloroethane	Ave	1.061	0.8343	0.1000	19.7	25.0	-21.4	50.0
Dichlorofluoromethane	Ave	2.653	2.338		22.0	25.0	-11.9	20.0
Trichlorofluoromethane	Ave	2.142	2.204	0.1000	25.7	25.0	2.9	20.0
Ethyl ether	Ave	1.152	1.056		22.9	25.0	-8.4	20.0
Acrolein	Ave	0.1089	0.0971		112	125	-10.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.218	1.450	0.1000	29.8	25.0	19.1	20.0
1,1-Dichloroethene	Ave	1.166	1.286	0.1000	27.6	25.0	10.3	20.0
Acetone	Ave	0.4686	0.4135	0.1000	110	125	-11.8	50.0
Iodomethane	Ave	2.400	2.926		30.5	25.0	21.9*	20.0
Carbon disulfide	Ave	4.185	4.816	0.1000	28.8	25.0	15.1	20.0
Allyl chloride	Ave	2.232	1.991		22.3	25.0	-10.8	20.0
Methyl acetate	Ave	1.103	1.022	0.1000	46.4	50.0	-7.3	50.0
Methylene Chloride	Lin1		1.620	0.1000	27.3	25.0	9.1	20.0
2-Methyl-2-propanol	Ave	0.1481	0.1578		266	250	6.6	50.0
Methyl tert-butyl ether	Ave	3.725	3.763	0.1000	25.3	25.0	1.0	20.0
trans-1,2-Dichloroethene	Ave	1.336	1.464	0.1000	27.4	25.0	9.6	20.0
Acrylonitrile	Ave	0.5287	0.5240		248	250	-0.9	20.0
Hexane	Ave	1.926	2.054		26.7	25.0	6.6	20.0
1,1-Dichloroethane	Ave	2.531	2.524	0.2000	24.9	25.0	-0.3	20.0
Vinyl acetate	Ave	3.224	2.976		46.1	50.0	-7.7	20.0
2,2-Dichloropropane	Ave	1.513	1.684		27.8	25.0	11.3	20.0
cis-1,2-Dichloroethene	Ave	1.540	1.623	0.1000	26.3	25.0	5.4	20.0
2-Butanone (MEK)	Ave	0.7367	0.6546	0.1000	111	125	-11.1	20.0
Chlorobromomethane	Ave	0.8619	0.9471		27.5	25.0	9.9	20.0
Tetrahydrofuran	Ave	0.4724	0.4227		44.7	50.0	-10.5	20.0
Chloroform	Ave	2.769	2.686	0.2000	24.3	25.0	-3.0	20.0
1,1,1-Trichloroethane	Ave	2.121	2.219	0.1000	26.2	25.0	4.6	20.0
Cyclohexane	Ave	2.331	2.449	0.1000	26.3	25.0	5.1	20.0
Carbon tetrachloride	Ave	1.909	2.006	0.1000	26.3	25.0	5.1	20.0
1,1-Dichloropropene	Ave	1.888	1.952		25.8	25.0	3.3	20.0
Isobutyl alcohol	Ave	0.0617	0.0613		621	625	-0.6	50.0
Benzene	Ave	5.415	5.658	0.5000	26.1	25.0	4.5	20.0
1,2-Dichloroethane	Ave	2.278	1.990	0.1000	21.8	25.0	-12.7	20.0
n-Heptane	Ave	2.205	2.116		24.0	25.0	-4.0	20.0
Trichloroethene	Ave	1.509	1.616	0.2000	26.8	25.0	7.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab Sample ID: CCVIS 480-558106/3 Calibration Date: 11/09/2020 10:35

Instrument ID: HP5975D Calib Start Date: 10/10/2020 12:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:35

Lab File ID: D38282.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.253	2.512	0.1000	27.9	25.0	11.5	20.0
1,2-Dichloropropane	Ave	1.471	1.500	0.1000	25.5	25.0	2.0	20.0
1,4-Dioxane	Lin1		0.0064		634	500	26.9	50.0
Dibromomethane	Ave	1.039	1.068	0.1000	25.7	25.0	2.8	20.0
Bromodichloromethane	Ave	1.964	2.065	0.2000	26.3	25.0	5.2	20.0
2-Chloroethyl vinyl ether	Ave	0.8768	0.3716		10.6	25.0	-57.6*	20.0
cis-1,3-Dichloropropene	Ave	2.252	2.410	0.2000	26.8	25.0	7.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7319	0.6379	0.1000	109	125	-12.8	20.0
Toluene	Ave	1.647	1.722	0.4000	26.1	25.0	4.5	20.0
trans-1,3-Dichloropropene	Ave	0.998	1.038	0.1000	26.0	25.0	4.0	20.0
Ethyl methacrylate	Ave	0.8178	0.8512		26.0	25.0	4.1	20.0
1,1,2-Trichloroethane	Ave	0.5412	0.5739	0.1000	26.5	25.0	6.0	20.0
Tetrachloroethene	Ave	0.7664	0.8854	0.2000	28.9	25.0	15.5	20.0
1,3-Dichloropropane	Ave	1.033	1.050		25.4	25.0	1.7	20.0
2-Hexanone	Ave	0.5273	0.4636	0.1000	110	125	-12.1	20.0
Dibromochloromethane	Ave	0.7324	0.8268	0.1000	28.2	25.0	12.9	20.0
1,2-Dibromoethane	Ave	0.7134	0.7640		26.8	25.0	7.1	20.0
Chlorobenzene	Ave	1.924	2.038	0.5000	26.5	25.0	5.9	20.0
Ethylbenzene	Ave	3.143	3.270	0.1000	26.0	25.0	4.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6684	0.7351		27.5	25.0	10.0	20.0
m,p-Xylene	Ave	1.210	1.299	0.1000	26.8	25.0	7.4	20.0
o-Xylene	Ave	1.182	1.263	0.3000	26.7	25.0	6.9	20.0
Styrene	Ave	2.015	2.163	0.3000	26.8	25.0	7.3	20.0
Bromoform	Ave	0.4747	0.6009	0.1000	31.6	25.0	26.6	50.0
Isopropylbenzene	Ave	2.979	2.866	0.1000	24.0	25.0	-3.8	20.0
Bromobenzene	Ave	0.8670	0.8651		24.9	25.0	-0.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8851	0.8284	0.3000	23.4	25.0	-6.4	20.0
N-Propylbenzene	Ave	3.674	3.468		23.6	25.0	-5.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2546	0.2007		19.7	25.0	-21.1	50.0
1,2,3-Trichloropropane	Ave	0.2399	0.2212		23.0	25.0	-7.8	20.0
2-Chlorotoluene	Ave	0.7502	0.7284		24.3	25.0	-2.9	20.0
1,3,5-Trimethylbenzene	Ave	2.546	2.476		24.3	25.0	-2.8	20.0
4-Chlorotoluene	Ave	0.7840	0.7520		24.0	25.0	-4.1	20.0
tert-Butylbenzene	Ave	0.5138	0.4925		24.0	25.0	-4.2	20.0
1,2,4-Trimethylbenzene	Ave	2.647	2.530		23.9	25.0	-4.4	20.0
sec-Butylbenzene	Ave	3.358	3.187		23.7	25.0	-5.1	20.0
4-Isopropyltoluene	Ave	2.867	2.785		24.3	25.0	-2.9	20.0
1,3-Dichlorobenzene	Ave	1.598	1.587	0.6000	24.8	25.0	-0.7	20.0
1,4-Dichlorobenzene	Ave	1.637	1.625	0.5000	24.8	25.0	-0.7	20.0
n-Butylbenzene	Ave	2.645	2.529		23.9	25.0	-4.4	20.0
1,2-Dichlorobenzene	Ave	1.577	1.580	0.4000	25.0	25.0	0.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab Sample ID: CCVIS 480-558106/3 Calibration Date: 11/09/2020 10:35

Instrument ID: HP5975D Calib Start Date: 10/10/2020 12:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:35

Lab File ID: D38282.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1480	0.1394	0.0500	23.6	25.0	-5.8	50.0
1,2,4-Trichlorobenzene	Ave	1.115	1.231	0.2000	27.6	25.0	10.4	20.0
Hexachlorobutadiene	Ave	0.5526	0.6775		30.7	25.0	22.6*	20.0
Naphthalene	Ave	2.722	2.773		25.5	25.0	1.9	20.0
1,2,3-Trichlorobenzene	Ave	1.057	1.161		27.5	25.0	9.9	20.0
Dibromofluoromethane (Surr)	Ave	1.491	1.452		24.3	25.0	-2.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8758	0.7732		22.1	25.0	-11.7	20.0
Toluene-d8 (Surr)	Ave	2.362	2.324		24.6	25.0	-1.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8230	0.9219		28.0	25.0	12.0	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38282.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 09-Nov-2020 10:35:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0094814-003
Operator ID: WD Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Nov-2020 11:00:26 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: dahnw Date: 09-Nov-2020 11:00:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.416	5.416	0.000	99	104104	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.799	7.799	0.000	85	226601	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.726	9.726	0.000	94	262926	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.934	4.934	0.000	96	151202	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.196	5.196	0.000	98	80496	25.0	22.1	
$ 5 Toluene-d8 (Surr)	98	6.629	6.629	0.000	93	526612	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.763	8.763	0.000	97	208900	25.0	28.0	
10 Dichlorodifluoromethane	85	1.441	1.441	0.000	99	196144	25.0	27.5	
12 Chloromethane	50	1.648	1.648	0.000	99	189167	25.0	21.6	
13 Vinyl chloride	62	1.752	1.752	0.000	98	179839	25.0	23.2	
144 Butadiene	54	1.782	1.782	0.000	91	155151	25.0	22.8	
14 Bromomethane	94	2.130	2.130	0.000	91	119938	25.0	26.3	
15 Chloroethane	64	2.221	2.221	0.000	98	86856	25.0	19.7	
17 Trichlorofluoromethane	101	2.453	2.453	0.000	71	229398	25.0	25.7	
16 Dichlorofluoromethane	67	2.453	2.453	0.000	95	243389	25.0	22.0	
18 Ethyl ether	59	2.727	2.727	0.000	94	109914	25.0	22.9	
20 Acrolein	56	2.916	2.916	0.000	100	50555	125.0	111.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.965	2.965	0.000	93	150950	25.0	29.8	
22 1,1-Dichloroethene	96	2.983	2.983	0.000	98	133885	25.0	27.6	
23 Acetone	43	3.069	3.069	0.000	100	215210	125.0	110.3	
25 Iodomethane	142	3.148	3.148	0.000	99	304634	25.0	30.5	
26 Carbon disulfide	76	3.178	3.178	0.000	99	501338	25.0	28.8	
28 3-Chloro-1-propene	41	3.313	3.313	0.000	92	207307	25.0	22.3	
27 Methyl acetate	43	3.349	3.349	0.000	98	212869	50.0	46.4	
30 Methylene Chloride	84	3.477	3.477	0.000	92	168692	25.0	27.3	
31 2-Methyl-2-propanol	59	3.605	3.605	0.000	98	164305	250.0	266.5	
32 Methyl tert-butyl ether	73	3.642	3.642	0.000	95	391775	25.0	25.3	
34 trans-1,2-Dichloroethene	96	3.660	3.660	0.000	99	152394	25.0	27.4	
33 Acrylonitrile	53	3.715	3.715	0.000	99	545553	250.0	247.8	
35 Hexane	57	3.831	3.831	0.000	92	213857	25.0	26.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.044	4.044	0.000	96	262795	25.0	24.9	
37 Vinyl acetate	43	4.081	4.081	0.000	97	619559	50.0	46.1	
44 2,2-Dichloropropane	77	4.501	4.501	0.000	89	175343	25.0	27.8	
45 cis-1,2-Dichloroethene	96	4.532	4.532	0.000	79	168918	25.0	26.3	
43 2-Butanone (MEK)	43	4.556	4.556	0.000	100	340754	125.0	111.1	
48 Chlorobromomethane	128	4.739	4.739	0.000	91	98596	25.0	27.5	
49 Tetrahydrofuran	42	4.751	4.751	0.000	86	88014	50.0	44.7	
50 Chloroform	83	4.800	4.800	0.000	93	279626	25.0	24.3	
51 1,1,1-Trichloroethane	97	4.898	4.898	0.000	98	230968	25.0	26.2	
52 Cyclohexane	56	4.910	4.910	0.000	90	254931	25.0	26.3	
55 Carbon tetrachloride	117	5.013	5.013	0.000	96	208878	25.0	26.3	
54 1,1-Dichloropropene	75	5.026	5.026	0.000	97	203162	25.0	25.8	
53 Isobutyl alcohol	43	5.184	5.184	0.000	93	159457	625.0	621.1	
57 Benzene	78	5.202	5.202	0.000	97	589050	25.0	26.1	
58 1,2-Dichloroethane	62	5.257	5.257	0.000	98	207169	25.0	21.8	
59 n-Heptane	43	5.318	5.318	0.000	92	220284	25.0	24.0	
62 Trichloroethene	95	5.696	5.696	0.000	98	168275	25.0	26.8	
64 Methylcyclohexane	83	5.794	5.794	0.000	90	261535	25.0	27.9	
65 1,2-Dichloropropane	63	5.897	5.897	0.000	96	156173	25.0	25.5	
66 1,4-Dioxane	88	6.001	6.001	0.000	95	29006	500.0	634.3	
67 Dibromomethane	93	6.013	6.013	0.000	93	111181	25.0	25.7	
68 Dichlorobromomethane	83	6.123	6.123	0.000	99	215021	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	6.324	6.324	0.000	92	38682	25.0	10.6	
72 cis-1,3-Dichloropropene	75	6.452	6.452	0.000	97	250926	25.0	26.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.550	6.550	0.000	96	722723	125.0	108.9	
74 Toluene	92	6.684	6.684	0.000	98	390118	25.0	26.1	
77 trans-1,3-Dichloropropene	75	6.891	6.891	0.000	97	235300	25.0	26.0	
75 Ethyl methacrylate	69	6.897	6.897	0.000	89	192879	25.0	26.0	
79 1,1,2-Trichloroethane	83	7.050	7.050	0.000	90	130053	25.0	26.5	
81 Tetrachloroethene	166	7.104	7.104	0.000	98	200624	25.0	28.9	
82 1,3-Dichloropropane	76	7.178	7.178	0.000	97	237945	25.0	25.4	
80 2-Hexanone	43	7.202	7.202	0.000	94	525276	125.0	109.9	
83 Chlorodibromomethane	129	7.373	7.373	0.000	89	187357	25.0	28.2	
84 Ethylene Dibromide	107	7.464	7.464	0.000	98	173113	25.0	26.8	
87 Chlorobenzene	112	7.824	7.824	0.000	97	461730	25.0	26.5	
88 Ethylbenzene	91	7.879	7.879	0.000	98	740898	25.0	26.0	
89 1,1,1,2-Tetrachloroethane	131	7.891	7.891	0.000	96	166574	25.0	27.5	
90 m-Xylene & p-Xylene	106	7.970	7.970	0.000	99	294386	25.0	26.8	
91 o-Xylene	106	8.305	8.305	0.000	96	286139	25.0	26.7	
92 Styrene	104	8.324	8.324	0.000	95	490037	25.0	26.8	
95 Bromoform	173	8.537	8.537	0.000	99	136155	25.0	31.6	
94 Isopropylbenzene	105	8.586	8.586	0.000	95	753444	25.0	24.0	
101 Bromobenzene	156	8.897	8.897	0.000	87	227463	25.0	24.9	
97 1,1,2,2-Tetrachloroethane	83	8.909	8.909	0.000	93	217815	25.0	23.4	
99 N-Propylbenzene	91	8.927	8.927	0.000	99	911733	25.0	23.6	
98 trans-1,4-Dichloro-2-butene	53	8.939	8.939	0.000	76	52779	25.0	19.7	
100 1,2,3-Trichloropropane	110	8.946	8.946	0.000	85	58147	25.0	23.0	
103 2-Chlorotoluene	126	9.037	9.037	0.000	97	191516	25.0	24.3	
102 1,3,5-Trimethylbenzene	105	9.067	9.067	0.000	93	651090	25.0	24.3	
105 4-Chlorotoluene	126	9.128	9.128	0.000	97	197733	25.0	24.0	
106 tert-Butylbenzene	134	9.348	9.348	0.000	92	129478	25.0	24.0	
107 1,2,4-Trimethylbenzene	105	9.391	9.391	0.000	97	665298	25.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.525	9.525	0.000	94	838003	25.0	23.7	
110 4-Isopropyltoluene	119	9.641	9.641	0.000	97	732171	25.0	24.3	
111 1,3-Dichlorobenzene	146	9.671	9.671	0.000	97	417387	25.0	24.8	
113 1,4-Dichlorobenzene	146	9.750	9.750	0.000	96	427166	25.0	24.8	
115 n-Butylbenzene	91	9.994	9.994	0.000	98	664895	25.0	23.9	
116 1,2-Dichlorobenzene	146	10.073	10.073	0.000	99	415327	25.0	25.0	
117 1,2-Dibromo-3-Chloropropane	75	10.768	10.768	0.000	91	36662	25.0	23.6	
119 1,2,4-Trichlorobenzene	180	11.409	11.409	0.000	94	323754	25.0	27.6	
120 Hexachlorobutadiene	225	11.500	11.500	0.000	95	178130	25.0	30.7	
121 Naphthalene	128	11.622	11.622	0.000	97	729020	25.0	25.5	
122 1,2,3-Trichlorobenzene	180	11.811	11.811	0.000	96	305282	25.0	27.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00196	Amount Added: 12.50	Units: uL	
GAS CORP mix_00425	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00023	Amount Added: 1.00	Units: uL	Run Reagent

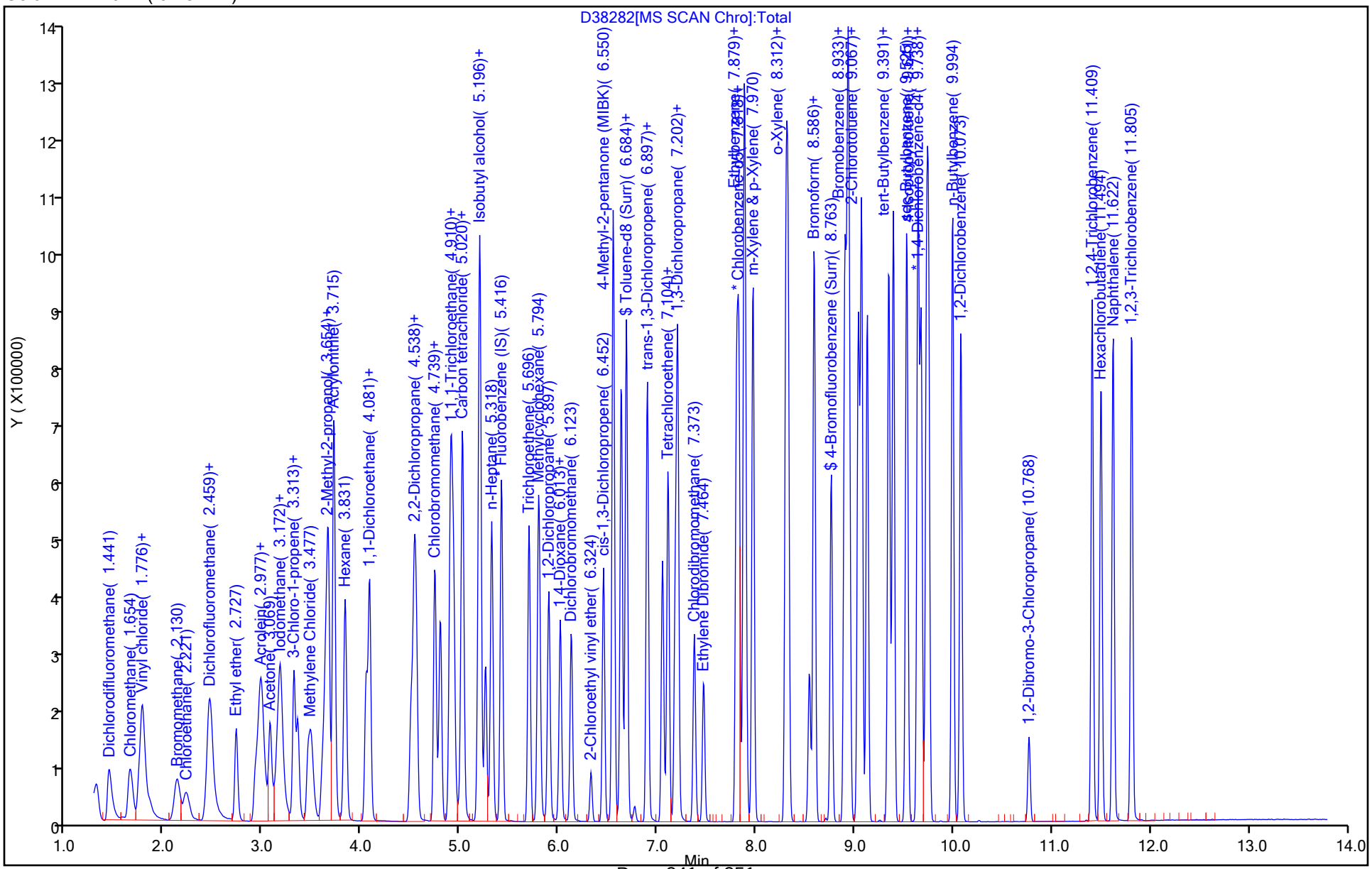
Report Date: 09-Nov-2020 11:00:26 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38282.D

Injection Date:	09-Nov-2020 10:35:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab Sample ID: ICV 480-555950/32 Calibration Date: 10/27/2020 22:53

Instrument ID: HP5977L Calib Start Date: 10/27/2020 14:14

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/27/2020 17:06

Lab File ID: L3513.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		1.866	0.1000	25.2	25.0	0.8	50.0
Chloromethane	Ave	1.739	1.721	0.1000	24.7	25.0	-1.0	30.0
Vinyl chloride	Lin1		1.883	0.1000	24.4	25.0	-2.4	30.0
Butadiene	Ave	1.875	1.813		24.2	25.0	-3.3	30.0
Bromomethane	Ave	1.866	1.821	0.1000	24.4	25.0	-2.4	50.0
Chloroethane	Ave	1.396	1.286	0.1000	23.0	25.0	-7.9	50.0
Dichlorofluoromethane	Ave	2.470	2.514		25.4	25.0	1.8	30.0
Trichlorofluoromethane	Ave	2.616	2.627	0.1000	25.1	25.0	0.4	30.0
Ethyl ether	Ave	1.262	1.239		24.6	25.0	-1.8	30.0
Acrolein	Ave	0.1789	0.1720		120	125	-3.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.526	1.548	0.1000	25.4	25.0	1.5	30.0
1,1-Dichloroethene	Ave	1.386	1.420	0.1000	25.6	25.0	2.5	30.0
Acetone	Ave	0.5012	0.4667	0.1000	116	125	-6.9	50.0
Iodomethane	Ave	2.591	2.747		26.5	25.0	6.0	30.0
Carbon disulfide	Ave	4.596	4.703	0.1000	25.6	25.0	2.3	30.0
Allyl chloride	Ave	1.839	1.832		24.9	25.0	-0.4	30.0
Methyl acetate	Ave	1.120	1.118	0.1000	49.9	50.0	-0.2	50.0
Methylene Chloride	Lin1		1.813	0.1000	26.9	25.0	7.6	30.0
2-Methyl-2-propanol	Ave	0.1782	0.1767		248	250	-0.9	50.0
Methyl tert-butyl ether	Ave	4.020	4.288	0.1000	26.7	25.0	6.7	30.0
trans-1,2-Dichloroethene	Ave	1.603	1.635	0.1000	25.5	25.0	2.0	30.0
Acrylonitrile	Ave	0.5951	0.6064		255	250	1.9	30.0
Hexane	Ave	2.060	1.943		23.6	25.0	-5.7	30.0
1,1-Dichloroethane	Ave	2.566	2.603	0.2000	25.4	25.0	1.4	30.0
Vinyl acetate	Ave	2.815	2.867		50.9	50.0	1.9	30.0
2,2-Dichloropropane	Ave	1.637	1.509		23.1	25.0	-7.8	30.0
2-Butanone (MEK)	Ave	0.7523	0.7437	0.1000	124	125	-1.1	30.0
cis-1,2-Dichloroethene	Ave	1.729	1.759	0.1000	25.4	25.0	1.7	30.0
Chlorobromomethane	Ave	0.9336	0.9639		25.8	25.0	3.2	30.0
Tetrahydrofuran	Ave	0.4768	0.4645		48.7	50.0	-2.6	30.0
Chloroform	Ave	2.844	2.762	0.2000	24.3	25.0	-2.9	30.0
1,1,1-Trichloroethane	Ave	2.391	2.459	0.1000	25.7	25.0	2.8	30.0
Cyclohexane	Ave	2.388	2.435	0.1000	25.5	25.0	2.0	30.0
1,1-Dichloropropene	Ave	2.106	2.130		25.3	25.0	1.2	30.0
Carbon tetrachloride	Ave	2.145	2.229	0.1000	26.0	25.0	3.9	30.0
Isobutyl alcohol	Ave	0.0701	0.0710		633	625	1.2	50.0
Benzene	Ave	5.848	6.033	0.5000	25.8	25.0	3.2	30.0
1,2-Dichloroethane	Ave	2.097	2.164	0.1000	25.8	25.0	3.2	30.0
n-Heptane	Ave	1.779	1.555		21.8	25.0	-12.6	30.0
Trichloroethene	Ave	1.645	1.682	0.2000	25.6	25.0	2.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab Sample ID: ICV 480-555950/32 Calibration Date: 10/27/2020 22:53

Instrument ID: HP5977L Calib Start Date: 10/27/2020 14:14

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/27/2020 17:06

Lab File ID: L3513.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.610	2.622	0.1000	25.1	25.0	0.4	30.0
1,2-Dichloropropane	Ave	1.459	1.462	0.1000	25.1	25.0	0.2	30.0
1,4-Dioxane	Ave	0.0042	0.0040		481	500	-3.7	50.0
Dibromomethane	Ave	1.026	1.067	0.1000	26.0	25.0	3.9	30.0
Bromodichloromethane	Ave	1.903	2.059	0.2000	27.0	25.0	8.2	30.0
2-Chloroethyl vinyl ether	Ave	0.9720	1.048		27.0	25.0	7.9	30.0
cis-1,3-Dichloropropene	Ave	2.254	2.390	0.2000	26.5	25.0	6.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3439	0.3568	0.1000	130	125	3.8	30.0
Toluene	Ave	0.8933	0.9143	0.4000	25.6	25.0	2.4	30.0
Ethyl methacrylate	Ave	0.4272	0.4492		26.3	25.0	5.1	30.0
trans-1,3-Dichloropropene	Ave	0.4980	0.5246	0.1000	26.3	25.0	5.4	30.0
1,1,2-Trichloroethane	Ave	0.2684	0.2756	0.1000	25.7	25.0	2.7	30.0
Tetrachloroethene	Ave	0.4273	0.4284	0.2000	25.1	25.0	0.3	30.0
1,3-Dichloropropane	Ave	0.5508	0.5590		25.4	25.0	1.5	30.0
2-Hexanone	Ave	0.2513	0.2584	0.1000	129	125	2.8	30.0
Dibromochloromethane	Ave	0.3526	0.3861	0.1000	27.4	25.0	9.5	30.0
1,2-Dibromoethane	Ave	0.3571	0.3652		25.6	25.0	2.3	30.0
Chlorobenzene	Ave	1.026	1.049	0.5000	25.6	25.0	2.3	30.0
Ethylbenzene	Ave	1.699	1.703	0.1000	25.1	25.0	0.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3484	0.3792		27.2	25.0	8.8	30.0
m,p-Xylene	Ave	0.6787	0.6784	0.1000	25.0	25.0	-0.0	30.0
o-Xylene	Ave	0.6454	0.6655	0.3000	25.8	25.0	3.1	30.0
Styrene	Ave	1.048	1.112	0.3000	26.5	25.0	6.1	30.0
Bromoform	Ave	0.2308	0.2532	0.1000	27.4	25.0	9.7	50.0
Isopropylbenzene	Ave	3.137	3.173	0.1000	25.3	25.0	1.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8745	0.8515	0.3000	24.3	25.0	-2.6	30.0
Bromobenzene	Ave	0.8232	0.8375		25.4	25.0	1.7	30.0
N-Propylbenzene	Ave	3.757	3.718		24.7	25.0	-1.0	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.2130		22.7	25.0	-9.4	50.0
1,2,3-Trichloropropane	Ave	0.2910	0.2919		25.1	25.0	0.3	30.0
2-Chlorotoluene	Ave	0.7921	0.7791		24.6	25.0	-1.6	30.0
1,3,5-Trimethylbenzene	Ave	2.611	2.650		25.4	25.0	1.5	30.0
4-Chlorotoluene	Ave	2.157	2.183		25.3	25.0	1.2	30.0
tert-Butylbenzene	Ave	0.6056	0.6183		25.5	25.0	2.1	30.0
1,2,4-Trimethylbenzene	Ave	2.649	2.661		25.1	25.0	0.4	30.0
sec-Butylbenzene	Ave	3.382	3.376		25.0	25.0	-0.2	30.0
4-Isopropyltoluene	Ave	2.955	2.987		25.3	25.0	1.1	30.0
1,3-Dichlorobenzene	Ave	1.619	1.592	0.6000	24.6	25.0	-1.7	30.0
1,4-Dichlorobenzene	Ave	1.686	1.639	0.5000	24.3	25.0	-2.8	30.0
n-Butylbenzene	Ave	2.615	2.575		24.6	25.0	-1.5	30.0
1,2-Dichlorobenzene	Ave	1.588	1.592	0.4000	25.1	25.0	0.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab Sample ID: ICV 480-555950/32 Calibration Date: 10/27/2020 22:53

Instrument ID: HP5977L Calib Start Date: 10/27/2020 14:14

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/27/2020 17:06

Lab File ID: L3513.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1453	0.1504	0.0500	25.9	25.0	3.5	50.0
1,2,4-Trichlorobenzene	Ave	1.021	1.080	0.2000	26.4	25.0	5.8	30.0
Hexachlorobutadiene	Lin1		0.4390		24.7	25.0	-1.1	30.0
Naphthalene	Ave	2.692	2.860		26.6	25.0	6.2	30.0
1,2,3-Trichlorobenzene	Ave	0.9543	1.010		26.4	25.0	5.8	30.0
Dibromofluoromethane (Surr)	Ave	1.496	1.503		25.1	25.0	0.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.568	1.563		24.9	25.0	-0.3	30.0
Toluene-d8 (Surr)	Ave	1.239	1.236		24.9	25.0	-0.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4041	0.4029		24.9	25.0	-0.3	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3513.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 27-Oct-2020 22:53:10 ALS Bottle#: 0 Worklist Smp#: 32
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0094477-032
Operator ID: LH Instrument ID: HP5977L
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Oct-2020 12:35:53 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1611

First Level Reviewer: HillL Date: 28-Oct-2020 12:09:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	150150	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.446	9.447	-0.001	84	654249	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	94	358761	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	92	225615	25.0	25.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.228	0.003	96	234665	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	93	808667	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr)	174	10.652	10.652	0.000	97	263579	25.0	24.9	
10 Dichlorodifluoromethane	85	2.170	2.177	-0.007	99	280213	25.0	25.2	
13 Chloromethane	50	2.434	2.443	-0.009	99	258342	25.0	24.7	
15 Butadiene	54	2.572	2.578	-0.006	88	272220	25.0	24.2	
14 Vinyl chloride	62	2.569	2.582	-0.013	98	282728	25.0	24.4	
18 Bromomethane	94	2.948	2.958	-0.010	92	273437	25.0	24.4	
19 Chloroethane	64	3.058	3.067	-0.009	100	193035	25.0	23.0	
20 Dichlorofluoromethane	67	3.283	3.292	-0.009	97	377452	25.0	25.4	
21 Trichlorofluoromethane	101	3.302	3.312	-0.010	98	394470	25.0	25.1	
26 Ethyl ether	59	3.585	3.585	0.000	88	186102	25.0	24.6	
28 Acrolein	56	3.791	3.791	0.000	100	129155	125.0	120.2	
29 112TCTFE	101	3.810	3.816	-0.006	92	232505	25.0	25.4	
30 1,1-Dichloroethene	96	3.839	3.842	-0.003	97	213195	25.0	25.6	
31 Acetone	43	3.935	3.935	0.000	100	350339	125.0	116.4	
33 Iodomethane	142	4.025	4.029	-0.004	100	412389	25.0	26.5	
35 Carbon disulfide	76	4.083	4.083	0.000	99	706117	25.0	25.6	
37 3-Chloro-1-propene	41	4.199	4.199	0.000	85	275055	25.0	24.9	
38 Methyl acetate	43	4.209	4.212	-0.003	96	335672	50.0	49.9	
39 Methylene Chloride	84	4.337	4.341	-0.003	89	272205	25.0	26.9	
40 2-Methyl-2-propanol	59	4.434	4.431	0.003	99	265298	250.0	247.8	
41 Methyl tert-butyl ether	73	4.514	4.517	-0.003	94	643807	25.0	26.7	
42 trans-1,2-Dichloroethene	96	4.559	4.559	0.000	96	245511	25.0	25.5	
44 Acrylonitrile	53	4.598	4.598	0.000	98	910488	250.0	254.7	
47 Hexane	57	4.720	4.720	0.000	89	291667	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
49 Vinyl acetate	43	4.958	4.958	0.000	97	860970	50.0	50.9	
50 1,1-Dichloroethane	63	4.958	4.961	-0.003	95	390796	25.0	25.4	
56 2,2-Dichloropropane	77	5.456	5.459	-0.003	90	226623	25.0	23.1	
57 2-Butanone (MEK)	43	5.482	5.482	0.000	98	558297	125.0	123.6	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	87	264053	25.0	25.4	
60 Chlorobromomethane	128	5.717	5.717	0.000	85	144732	25.0	25.8	
61 Tetrahydrofuran	42	5.729	5.730	-0.001	82	139477	50.0	48.7	
62 Chloroform	83	5.762	5.762	0.000	92	414677	25.0	24.3	
64 1,1,1-Trichloroethane	97	5.903	5.903	0.000	98	369152	25.0	25.7	
65 Cyclohexane	56	5.922	5.922	0.000	89	365608	25.0	25.5	
67 1,1-Dichloropropene	75	6.038	6.041	-0.003	94	319879	25.0	25.3	
66 Carbon tetrachloride	117	6.041	6.041	0.000	92	334662	25.0	26.0	
69 Isobutyl alcohol	43	6.138	6.138	0.000	91	266418	625.0	632.7	
70 Benzene	78	6.247	6.247	0.000	97	905919	25.0	25.8	
72 1,2-Dichloroethane	62	6.299	6.299	0.000	97	324916	25.0	25.8	
73 n-Heptane	43	6.340	6.340	0.000	86	233447	25.0	21.8	
75 Trichloroethene	95	6.813	6.813	0.000	96	252487	25.0	25.6	
76 Methylcyclohexane	83	6.945	6.945	0.000	87	393699	25.0	25.1	
77 1,2-Dichloropropane	63	7.057	7.057	0.000	93	219490	25.0	25.1	
81 1,4-Dioxane	88	7.170	7.170	0.000	94	52790	500.0	481.3	M
82 Dibromomethane	93	7.202	7.202	0.000	94	160136	25.0	26.0	
83 Dichlorobromomethane	83	7.318	7.318	0.000	99	309111	25.0	27.0	
84 2-Chloroethyl vinyl ether	63	7.537	7.540	-0.004	93	157430	25.0	27.0	
85 cis-1,3-Dichloropropene	75	7.717	7.717	0.000	96	358866	25.0	26.5	
87 4-Methyl-2-pentanone (MIBK)	43	7.823	7.823	0.000	95	1167299	125.0	129.7	
88 Toluene	92	8.016	8.016	0.000	98	598158	25.0	25.6	
90 Ethyl methacrylate	69	8.247	8.244	0.003	87	293865	25.0	26.3	
91 trans-1,3-Dichloropropene	75	8.260	8.260	0.000	97	343247	25.0	26.3	
93 1,1,2-Trichloroethane	83	8.466	8.466	0.000	92	180336	25.0	25.7	
94 Tetrachloroethene	166	8.553	8.553	0.000	97	280285	25.0	25.1	
95 1,3-Dichloropropane	76	8.636	8.636	0.000	97	365700	25.0	25.4	
96 2-Hexanone	43	8.643	8.643	0.000	96	845263	125.0	128.5	
98 Chlorodibromomethane	129	8.887	8.887	0.000	89	252618	25.0	27.4	
101 Ethylene Dibromide	107	9.022	9.022	0.000	98	238951	25.0	25.6	
103 Chlorobenzene	112	9.475	9.475	0.000	97	686118	25.0	25.6	
104 Ethylbenzene	91	9.533	9.537	-0.004	98	1113982	25.0	25.1	
105 1,1,1,2-Tetrachloroethane	131	9.556	9.556	0.000	95	248088	25.0	27.2	
106 m-Xylene & p-Xylene	106	9.649	9.652	-0.003	98	443815	25.0	25.0	
107 o-Xylene	106	10.090	10.090	0.000	96	435403	25.0	25.8	
109 Styrene	104	10.112	10.112	0.000	95	727772	25.0	26.5	
110 Bromoform	173	10.389	10.392	-0.003	95	165646	25.0	27.4	
111 Isopropylbenzene	105	10.440	10.440	0.000	95	1138322	25.0	25.3	
112 1,1,2,2-Tetrachloroethane	83	10.813	10.813	0.000	95	305472	25.0	24.3	
113 Bromobenzene	156	10.823	10.823	0.000	91	300452	25.0	25.4	
114 N-Propylbenzene	91	10.845	10.845	0.000	98	1333994	25.0	24.7	
115 trans-1,4-Dichloro-2-butene	53	10.855	10.855	0.000	75	76425	25.0	22.7	
116 1,2,3-Trichloropropane	110	10.868	10.868	0.000	84	104718	25.0	25.1	
117 2-Chlorotoluene	126	10.977	10.977	0.000	97	279509	25.0	24.6	
118 1,3,5-Trimethylbenzene	105	10.999	11.000	-0.001	95	950623	25.0	25.4	
119 4-Chlorotoluene	91	11.080	11.080	0.000	97	783058	25.0	25.3	
120 tert-Butylbenzene	134	11.315	11.318	-0.003	92	221836	25.0	25.5	
121 1,2,4-Trimethylbenzene	105	11.366	11.366	0.000	96	954546	25.0	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	11.514	11.514	0.000	94	1211301	25.0	25.0	
123 4-Isopropyltoluene	119	11.630	11.633	-0.003	97	1071594	25.0	25.3	
124 1,3-Dichlorobenzene	146	11.681	11.681	0.000	98	571156	25.0	24.6	
126 1,4-Dichlorobenzene	146	11.758	11.758	0.000	97	588057	25.0	24.3	
127 n-Butylbenzene	91	11.999	11.996	0.003	98	923872	25.0	24.6	
128 1,2-Dichlorobenzene	146	12.099	12.099	0.000	99	571131	25.0	25.1	
129 1,2-Dibromo-3-Chloropropane	75	12.774	12.774	0.000	87	53967	25.0	25.9	
130 1,2,4-Trichlorobenzene	180	13.443	13.443	0.000	94	387480	25.0	26.4	
131 Hexachlorobutadiene	225	13.533	13.533	0.000	97	157504	25.0	24.7	
132 Naphthalene	128	13.697	13.697	0.000	97	1026096	25.0	26.6	
133 1,2,3-Trichlorobenzene	180	13.925	13.922	0.003	96	362209	25.0	26.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SS 8260 CORP_00087	Amount Added: 12.50	Units: uL	
SS GAS CORP_00375	Amount Added: 12.50	Units: uL	
L_8260_IS_00021	Amount Added: 2.00	Units: uL	Run Reagent
L_8260_SURR_00020	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 28-Oct-2020 12:36:04 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3513.D

Injection Date: 27-Oct-2020 22:53:10 Instrument ID: HP5977L

Lims ID: ICV

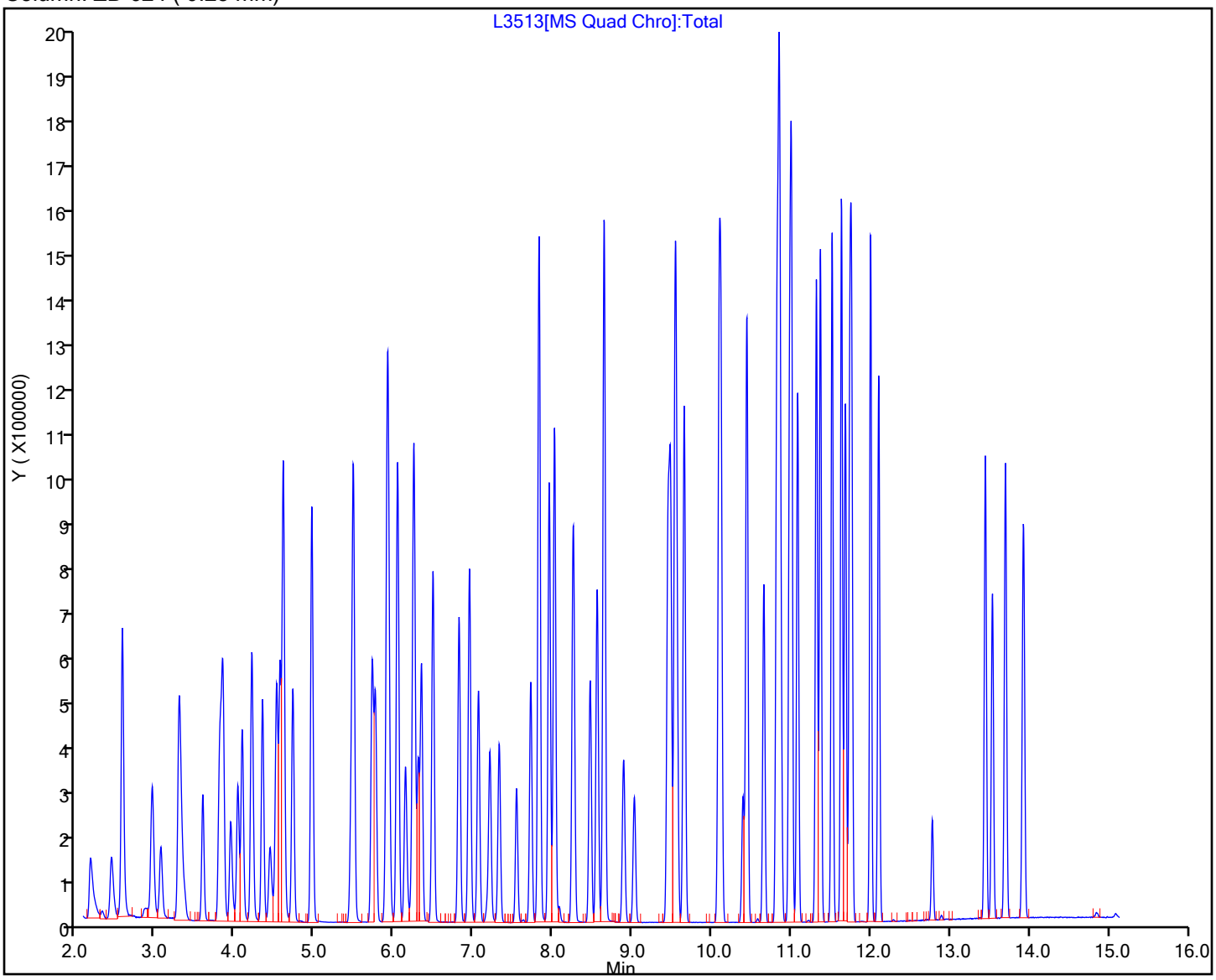
Client ID:

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 32

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

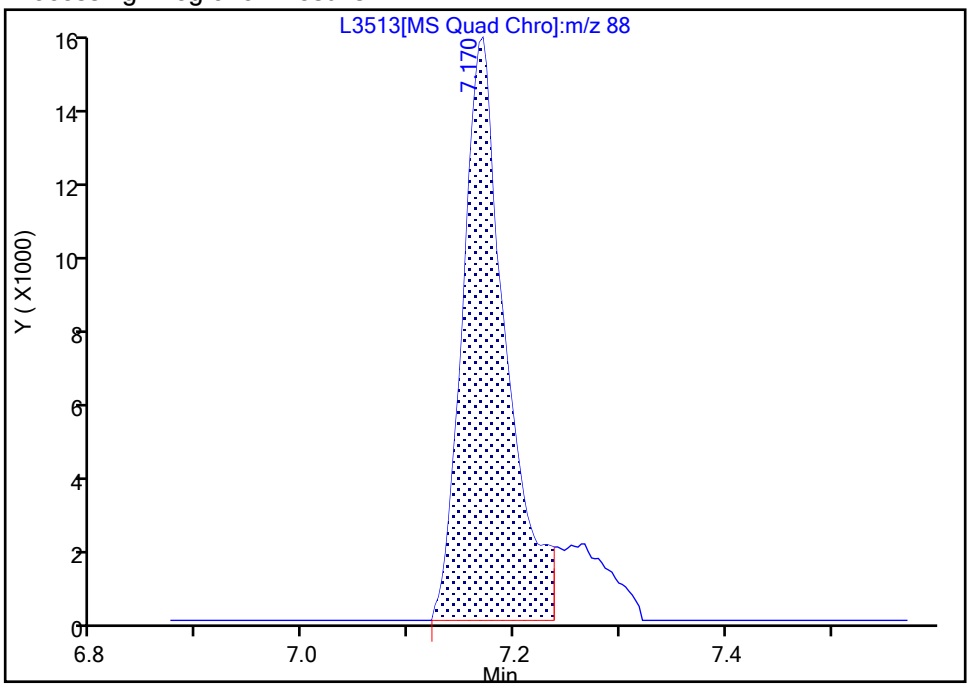
Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3513.D
Injection Date: 27-Oct-2020 22:53:10 Instrument ID: HP5977L
Lims ID: ICV
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 32
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

81 1,4-Dioxane, CAS: 123-91-1

Signal: 1

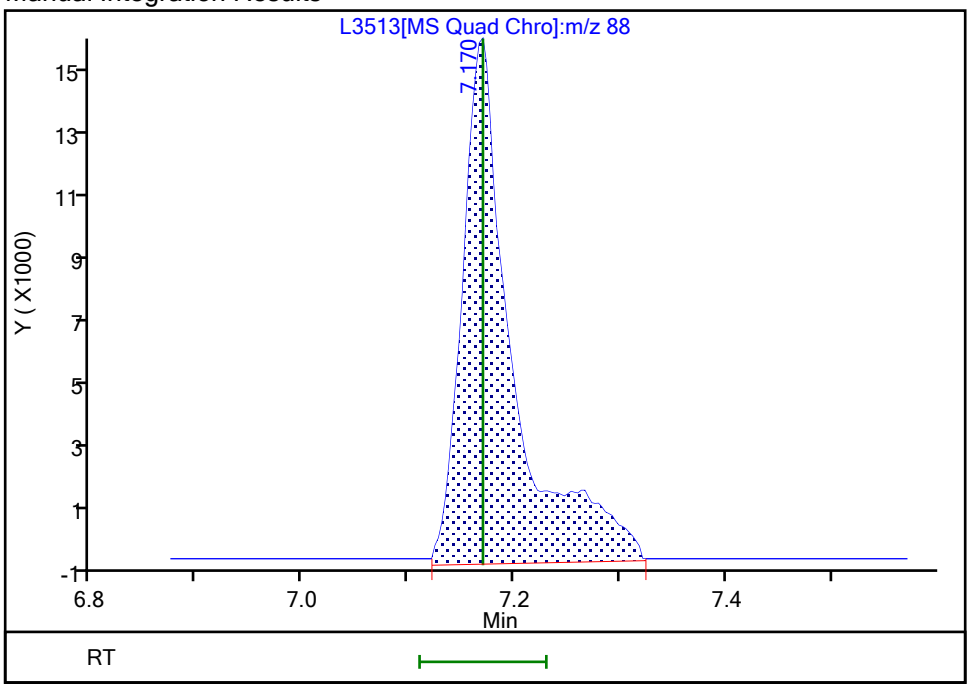
Processing Integration Results

RT: 7.17
Area: 44166
Amount: 402.6628
Amount Units: ug/L



Manual Integration Results

RT: 7.17
Area: 52790
Amount: 481.2881
Amount Units: ug/L



Reviewer: HillL, 28-Oct-2020 12:09:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab Sample ID: CCVIS 480-557999/3 Calibration Date: 11/08/2020 09:28

Instrument ID: HP5977L Calib Start Date: 10/27/2020 14:14

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/27/2020 17:06

Lab File ID: L3944.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		1.778	0.1000	24.0	25.0	-3.9	50.0
Chloromethane	Ave	1.739	1.746	0.1000	25.1	25.0	0.4	20.0
Vinyl chloride	Lin1		1.825	0.1000	23.6	25.0	-5.4	20.0
Butadiene	Ave	1.875	1.759		23.4	25.0	-6.2	20.0
Bromomethane	Ave	1.866	1.484	0.1000	19.9	25.0	-20.5	50.0
Chloroethane	Ave	1.396	1.243	0.1000	22.3	25.0	-11.0	50.0
Dichlorofluoromethane	Ave	2.470	2.676		27.1	25.0	8.3	20.0
Trichlorofluoromethane	Ave	2.616	2.802	0.1000	26.8	25.0	7.1	20.0
Ethyl ether	Ave	1.262	1.299		25.7	25.0	2.9	20.0
Acrolein	Ave	0.1789	0.1149		80.3	125	-35.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.526	1.459	0.1000	23.9	25.0	-4.4	20.0
1,1-Dichloroethene	Ave	1.386	1.352	0.1000	24.4	25.0	-2.4	20.0
Acetone	Ave	0.5012	0.5223	0.1000	130	125	4.2	50.0
Iodomethane	Ave	2.591	2.597		25.1	25.0	0.3	20.0
Carbon disulfide	Ave	4.596	4.641	0.1000	25.2	25.0	1.0	20.0
Allyl chloride	Ave	1.839	2.095		28.5	25.0	13.9	20.0
Methyl acetate	Ave	1.120	1.143	0.1000	51.0	50.0	2.1	50.0
Methylene Chloride	Lin1		1.536	0.1000	22.4	25.0	-10.6	20.0
2-Methyl-2-propanol	Ave	0.1782	0.1699		238	250	-4.7	50.0
Methyl tert-butyl ether	Ave	4.020	4.472	0.1000	27.8	25.0	11.3	20.0
trans-1,2-Dichloroethene	Ave	1.603	1.602	0.1000	25.0	25.0	-0.0	20.0
Acrylonitrile	Ave	0.5951	0.5936		249	250	-0.3	20.0
Hexane	Ave	2.060	2.042		24.8	25.0	-0.8	20.0
Vinyl acetate	Ave	2.815	3.371		59.9	50.0	19.8	20.0
1,1-Dichloroethane	Ave	2.566	2.659	0.2000	25.9	25.0	3.6	20.0
2,2-Dichloropropane	Ave	1.637	1.847		28.2	25.0	12.9	20.0
2-Butanone (MEK)	Ave	0.7523	0.7884	0.1000	131	125	4.8	20.0
cis-1,2-Dichloroethene	Ave	1.729	1.723	0.1000	24.9	25.0	-0.3	20.0
Chlorobromomethane	Ave	0.9336	0.9297		24.9	25.0	-0.4	20.0
Tetrahydrofuran	Ave	0.4768	0.4839		50.7	50.0	1.5	20.0
Chloroform	Ave	2.844	2.815	0.2000	24.7	25.0	-1.0	20.0
1,1,1-Trichloroethane	Ave	2.391	2.563	0.1000	26.8	25.0	7.2	20.0
Cyclohexane	Ave	2.388	2.377	0.1000	24.9	25.0	-0.5	20.0
1,1-Dichloropropene	Ave	2.106	2.114		25.1	25.0	0.4	20.0
Carbon tetrachloride	Ave	2.145	2.300	0.1000	26.8	25.0	7.2	20.0
Isobutyl alcohol	Ave	0.0701	0.0724		645	625	3.3	50.0
Benzene	Ave	5.848	5.956	0.5000	25.5	25.0	1.9	20.0
1,2-Dichloroethane	Ave	2.097	2.314	0.1000	27.6	25.0	10.3	20.0
n-Heptane	Ave	1.779	1.904		26.8	25.0	7.0	20.0
Trichloroethene	Ave	1.645	1.687	0.2000	25.6	25.0	2.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab Sample ID: CCVIS 480-557999/3 Calibration Date: 11/08/2020 09:28

Instrument ID: HP5977L Calib Start Date: 10/27/2020 14:14

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/27/2020 17:06

Lab File ID: L3944.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.610	2.508	0.1000	24.0	25.0	-3.9	20.0
1,2-Dichloropropane	Ave	1.459	1.450	0.1000	24.9	25.0	-0.6	20.0
1,4-Dioxane	Ave	0.0042	0.0039		460	500	-8.0	50.0
Dibromomethane	Ave	1.026	1.071	0.1000	26.1	25.0	4.3	20.0
Bromodichloromethane	Ave	1.903	2.096	0.2000	27.5	25.0	10.1	20.0
2-Chloroethyl vinyl ether	Ave	0.9720	1.013		26.0	25.0	4.2	20.0
cis-1,3-Dichloropropene	Ave	2.254	2.522	0.2000	28.0	25.0	11.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3439	0.3794	0.1000	138	125	10.3	20.0
Toluene	Ave	0.8933	0.9070	0.4000	25.4	25.0	1.5	20.0
Ethyl methacrylate	Ave	0.4272	0.4774		27.9	25.0	11.7	20.0
trans-1,3-Dichloropropene	Ave	0.4980	0.5738	0.1000	28.8	25.0	15.2	20.0
1,1,2-Trichloroethane	Ave	0.2684	0.2780	0.1000	25.9	25.0	3.6	20.0
Tetrachloroethene	Ave	0.4273	0.4148	0.2000	24.3	25.0	-2.9	20.0
1,3-Dichloropropane	Ave	0.5508	0.5729		26.0	25.0	4.0	20.0
2-Hexanone	Ave	0.2513	0.2833	0.1000	141	125	12.7	20.0
Dibromochloromethane	Ave	0.3526	0.4117	0.1000	29.2	25.0	16.8	20.0
1,2-Dibromoethane	Ave	0.3571	0.3729		26.1	25.0	4.4	20.0
Chlorobenzene	Ave	1.026	1.045	0.5000	25.5	25.0	1.9	20.0
Ethylbenzene	Ave	1.699	1.717	0.1000	25.3	25.0	1.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3484	0.3906		28.0	25.0	12.1	20.0
m,p-Xylene	Ave	0.6787	0.6927	0.1000	25.5	25.0	2.1	20.0
o-Xylene	Ave	0.6454	0.6669	0.3000	25.8	25.0	3.3	20.0
Styrene	Ave	1.048	1.138	0.3000	27.1	25.0	8.6	20.0
Bromoform	Ave	0.2308	0.2671	0.1000	28.9	25.0	15.7	50.0
Isopropylbenzene	Ave	3.137	3.196	0.1000	25.5	25.0	1.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8745	0.8390	0.3000	24.0	25.0	-4.1	20.0
Bromobenzene	Ave	0.8232	0.8284		25.2	25.0	0.6	20.0
N-Propylbenzene	Ave	3.757	3.803		25.3	25.0	1.2	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.2479		26.3	25.0	5.1	50.0
1,2,3-Trichloropropane	Ave	0.2910	0.2917		25.1	25.0	0.2	20.0
2-Chlorotoluene	Ave	0.7921	0.7876		24.9	25.0	-0.6	20.0
1,3,5-Trimethylbenzene	Ave	2.611	2.692		25.8	25.0	3.1	20.0
4-Chlorotoluene	Ave	2.157	2.302		26.7	25.0	6.7	20.0
tert-Butylbenzene	Ave	0.6056	0.6120		25.3	25.0	1.1	20.0
1,2,4-Trimethylbenzene	Ave	2.649	2.751		26.0	25.0	3.9	20.0
sec-Butylbenzene	Ave	3.382	3.418		25.3	25.0	1.1	20.0
4-Isopropyltoluene	Ave	2.955	3.035		25.7	25.0	2.7	20.0
1,3-Dichlorobenzene	Ave	1.619	1.613	0.6000	24.9	25.0	-0.4	20.0
1,4-Dichlorobenzene	Ave	1.686	1.634	0.5000	24.2	25.0	-3.1	20.0
n-Butylbenzene	Ave	2.615	2.667		25.5	25.0	2.0	20.0
1,2-Dichlorobenzene	Ave	1.588	1.580	0.4000	24.9	25.0	-0.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Lab Sample ID: CCVIS 480-557999/3 Calibration Date: 11/08/2020 09:28

Instrument ID: HP5977L Calib Start Date: 10/27/2020 14:14

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 10/27/2020 17:06

Lab File ID: L3944.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1453	0.1637	0.0500	28.2	25.0	12.7	50.0
1,2,4-Trichlorobenzene	Ave	1.021	1.047	0.2000	25.6	25.0	2.6	20.0
Hexachlorobutadiene	Lin1		0.4284		24.1	25.0	-3.5	20.0
Naphthalene	Ave	2.692	2.744		25.5	25.0	1.9	20.0
1,2,3-Trichlorobenzene	Ave	0.9543	0.9462		24.8	25.0	-0.9	20.0
Dibromofluoromethane (Surr)	Ave	1.496	1.470		24.6	25.0	-1.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.568	1.655		26.4	25.0	5.5	20.0
Toluene-d8 (Surr)	Ave	1.239	1.197		24.1	25.0	-3.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4041	0.4070		25.2	25.0	0.7	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3944.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Nov-2020 09:28:41 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0094792-003
Operator ID: OI Instrument ID: HP5977L
Sublist: chrom-L-8260*sub1

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Nov-2020 10:10:06 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1633

First Level Reviewer: izquierdoo Date: 08-Nov-2020 10:10:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	186608	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.443	9.443	0.000	85	801897	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	95	444380	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	92	274402	25.0	24.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.228	6.228	0.000	98	308768	25.0	26.4	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	94	959540	25.0	24.1	
$ 7 4-Bromofluorobenzene (Surr)	174	10.652	10.652	0.000	99	326410	25.0	25.2	
10 Dichlorodifluoromethane	85	2.170	2.170	0.000	99	331832	25.0	24.0	
13 Chloromethane	50	2.437	2.437	0.000	99	325835	25.0	25.1	
14 Vinyl chloride	62	2.572	2.572	0.000	98	340504	25.0	23.6	
15 Butadiene	54	2.575	2.575	0.000	90	328177	25.0	23.4	
18 Bromomethane	94	2.958	2.958	0.000	92	276927	25.0	19.9	
19 Chloroethane	64	3.061	3.061	0.000	100	231914	25.0	22.3	
20 Dichlorofluoromethane	67	3.289	3.289	0.000	97	499402	25.0	27.1	
21 Trichlorofluoromethane	101	3.312	3.312	0.000	98	522909	25.0	26.8	
26 Ethyl ether	59	3.585	3.585	0.000	90	242352	25.0	25.7	
28 Acrolein	56	3.791	3.791	0.000	99	107234	125.0	80.3	
29 112TCTFE	101	3.810	3.810	0.000	93	272265	25.0	23.9	
30 1,1-Dichloroethene	96	3.839	3.839	0.000	98	252269	25.0	24.4	
31 Acetone	43	3.935	3.935	0.000	99	487303	125.0	130.3	
33 Iodomethane	142	4.029	4.029	0.000	99	484698	25.0	25.1	
35 Carbon disulfide	76	4.083	4.083	0.000	100	866094	25.0	25.2	
37 3-Chloro-1-propene	41	4.199	4.199	0.000	94	390994	25.0	28.5	
38 Methyl acetate	43	4.209	4.209	0.000	97	426619	50.0	51.0	
39 Methylene Chloride	84	4.337	4.337	0.000	92	286613	25.0	22.4	
40 2-Methyl-2-propanol	59	4.430	4.430	0.000	99	316966	250.0	238.3	
41 Methyl tert-butyl ether	73	4.514	4.514	0.000	96	834557	25.0	27.8	
42 trans-1,2-Dichloroethene	96	4.559	4.559	0.000	98	298953	25.0	25.0	
44 Acrylonitrile	53	4.598	4.598	0.000	98	1107775	250.0	249.4	
47 Hexane	57	4.720	4.720	0.000	93	381115	25.0	24.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
49 Vinyl acetate	43	4.958	4.958	0.000	97	1258282	50.0	59.9	
50 1,1-Dichloroethane	63	4.961	4.961	0.000	95	496107	25.0	25.9	
56 2,2-Dichloropropane	77	5.456	5.456	0.000	91	344707	25.0	28.2	
57 2-Butanone (MEK)	43	5.482	5.482	0.000	99	735605	125.0	131.0	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	83	321595	25.0	24.9	
60 Chlorobromomethane	128	5.717	5.717	0.000	87	173495	25.0	24.9	
61 Tetrahydrofuran	42	5.726	5.726	0.000	84	180612	50.0	50.7	
62 Chloroform	83	5.758	5.758	0.000	93	525334	25.0	24.7	
64 1,1,1-Trichloroethane	97	5.903	5.903	0.000	98	478274	25.0	26.8	
65 Cyclohexane	56	5.922	5.922	0.000	90	443589	25.0	24.9	
67 1,1-Dichloropropene	75	6.038	6.038	0.000	94	394490	25.0	25.1	
66 Carbon tetrachloride	117	6.038	6.038	0.000	95	429116	25.0	26.8	
69 Isobutyl alcohol	43	6.138	6.138	0.000	91	337747	625.0	645.4	
70 Benzene	78	6.247	6.247	0.000	97	1111519	25.0	25.5	
72 1,2-Dichloroethane	62	6.299	6.299	0.000	97	431864	25.0	27.6	
73 n-Heptane	43	6.337	6.337	0.000	89	355318	25.0	26.8	
75 Trichloroethene	95	6.813	6.813	0.000	96	314772	25.0	25.6	
76 Methylcyclohexane	83	6.945	6.945	0.000	89	468099	25.0	24.0	
77 1,2-Dichloropropane	63	7.057	7.057	0.000	91	270649	25.0	24.9	
81 1,4-Dioxane	88	7.167	7.167	0.000	91	61869	500.0	460.2	
82 Dibromomethane	93	7.202	7.202	0.000	96	199775	25.0	26.1	
83 Dichlorobromomethane	83	7.318	7.318	0.000	98	391080	25.0	27.5	
84 2-Chloroethyl vinyl ether	63	7.540	7.540	0.000	94	188946	25.0	26.0	
85 cis-1,3-Dichloropropene	75	7.717	7.717	0.000	94	470580	25.0	28.0	
87 4-Methyl-2-pentanone (MIBK)	43	7.819	7.819	0.000	96	1521111	125.0	137.9	
88 Toluene	92	8.016	8.016	0.000	98	727295	25.0	25.4	
90 Ethyl methacrylate	69	8.244	8.244	0.000	88	382834	25.0	27.9	
91 trans-1,3-Dichloropropene	75	8.257	8.257	0.000	97	460119	25.0	28.8	
93 1,1,2-Trichloroethane	83	8.463	8.463	0.000	93	222947	25.0	25.9	
94 Tetrachloroethene	166	8.553	8.553	0.000	95	332622	25.0	24.3	
95 1,3-Dichloropropane	76	8.636	8.636	0.000	93	459398	25.0	26.0	
96 2-Hexanone	43	8.643	8.643	0.000	96	1135726	125.0	140.9	
98 Chlorodibromomethane	129	8.887	8.887	0.000	90	330133	25.0	29.2	
101 Ethylene Dibromide	107	9.022	9.022	0.000	98	299031	25.0	26.1	
103 Chlorobenzene	112	9.475	9.475	0.000	96	838010	25.0	25.5	
104 Ethylbenzene	91	9.533	9.533	0.000	98	1376485	25.0	25.3	
105 1,1,1,2-Tetrachloroethane	131	9.556	9.556	0.000	95	313215	25.0	28.0	
106 m-Xylene & p-Xylene	106	9.649	9.649	0.000	99	555506	25.0	25.5	
107 o-Xylene	106	10.086	10.086	0.000	96	534747	25.0	25.8	
109 Styrene	104	10.112	10.112	0.000	95	912770	25.0	27.1	
110 Bromoform	173	10.392	10.392	0.000	96	214173	25.0	28.9	
111 Isopropylbenzene	105	10.437	10.437	0.000	96	1420086	25.0	25.5	
112 1,1,2,2-Tetrachloroethane	83	10.813	10.813	0.000	96	372847	25.0	24.0	
113 Bromobenzene	156	10.823	10.823	0.000	95	368112	25.0	25.2	
114 N-Propylbenzene	91	10.845	10.845	0.000	99	1689871	25.0	25.3	
115 trans-1,4-Dichloro-2-butene	53	10.852	10.852	0.000	75	110180	25.0	26.3	
116 1,2,3-Trichloropropane	110	10.868	10.868	0.000	84	129642	25.0	25.1	
117 2-Chlorotoluene	126	10.977	10.977	0.000	97	349982	25.0	24.9	
118 1,3,5-Trimethylbenzene	105	10.999	10.999	0.000	97	1196270	25.0	25.8	
119 4-Chlorotoluene	91	11.077	11.077	0.000	98	1023106	25.0	26.7	
120 tert-Butylbenzene	134	11.315	11.315	0.000	93	271951	25.0	25.3	
121 1,2,4-Trimethylbenzene	105	11.366	11.366	0.000	97	1222454	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
122 sec-Butylbenzene	105	11.511	11.511	0.000	94	1519006	25.0	25.3	
123 4-Isopropyltoluene	119	11.630	11.630	0.000	97	1348495	25.0	25.7	
124 1,3-Dichlorobenzene	146	11.678	11.678	0.000	98	716814	25.0	24.9	
126 1,4-Dichlorobenzene	146	11.758	11.758	0.000	94	726006	25.0	24.2	
127 n-Butylbenzene	91	11.996	11.996	0.000	98	1185342	25.0	25.5	
128 1,2-Dichlorobenzene	146	12.099	12.099	0.000	97	701980	25.0	24.9	
129 1,2-Dibromo-3-Chloropropane	75	12.774	12.774	0.000	85	72766	25.0	28.2	
130 1,2,4-Trichlorobenzene	180	13.443	13.443	0.000	94	465353	25.0	25.6	
131 Hexachlorobutadiene	225	13.533	13.533	0.000	96	190352	25.0	24.1	
132 Naphthalene	128	13.697	13.697	0.000	97	1219256	25.0	25.5	
133 1,2,3-Trichlorobenzene	180	13.922	13.922	0.000	95	420475	25.0	24.8	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00196	Amount Added: 12.50	Units: uL	
GAS CORP mix_00425	Amount Added: 12.50	Units: uL	
L_8260_SURR_00020	Amount Added: 2.00	Units: uL	Run Reagent
L_8260_IS_00021	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 08-Nov-2020 10:10:07 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3944.D

Injection Date: 08-Nov-2020 09:28:41 Instrument ID: HP5977L

Lims ID: CCVIS

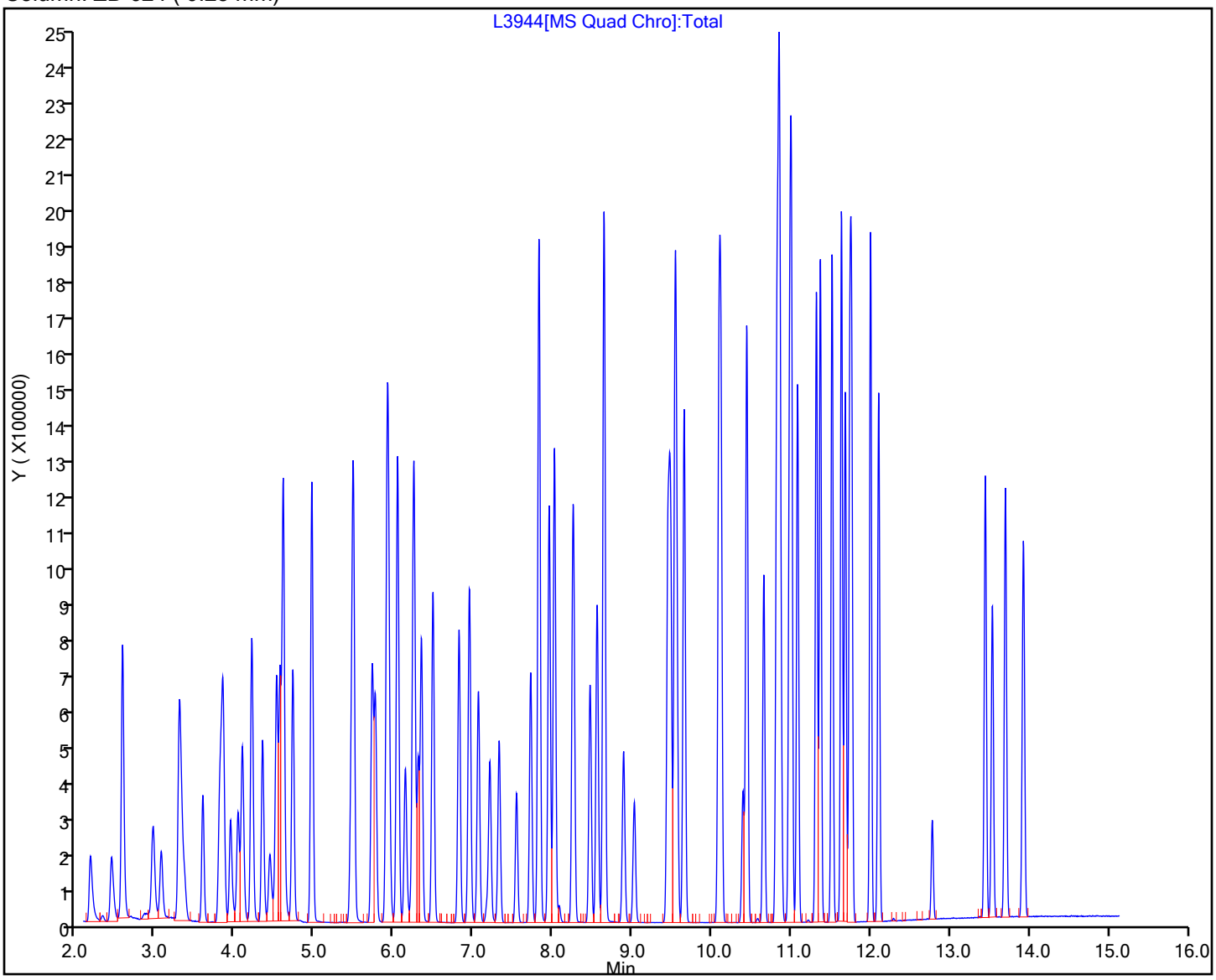
Client ID:

Operator ID: OI ALS Bottle#: 0 Worklist Smp#: 3

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36991.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 10-Oct-2020 10:53:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0094037-005
Operator ID: LH Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Oct-2020 11:15:02 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: HillL Date: 10-Oct-2020 11:05:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.617	4.617	0.000	0	102921	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

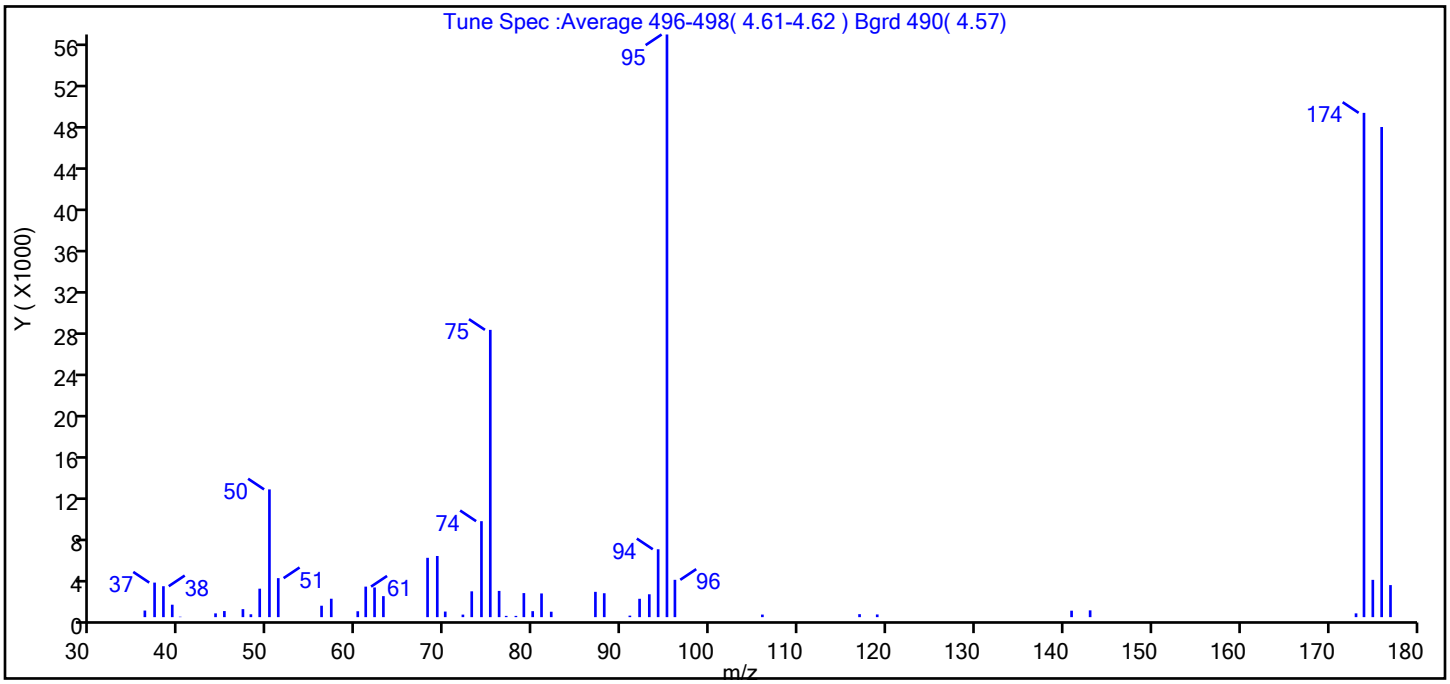
BFB_WRK_00110 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36991.D
Injection Date: 10-Oct-2020 10:53:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.9
75	30 to 60% of m/z 95	49.3
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.6 (0.8)
174	50 to 120% of m/z 95	86.5
175	5 to 9% of m/z 174	6.4 (7.4)
176	Greater than 95% but less than 101% of m/z 174	84.1 (97.2)
177	5 to 9% of m/z 176	5.5 (6.5)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36991.D\D-8260.rslt\spectra.d
Injection Date: 10-Oct-2020 10:53:30
Spectrum: Tune Spec :Average 496-498(4.61-4.62) Bgrd 490(4.57)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	645	57.00	1801	77.00	125	96.00	3650
37.00	3377	60.00	577	78.00	124	106.00	252
38.00	3024	61.00	2984	79.00	2350	117.00	290
39.00	1216	62.00	2902	80.00	584	119.00	263
40.00	41	63.00	2055	81.00	2317	141.00	632
44.00	368	68.00	5801	82.00	531	143.00	663
45.00	595	69.00	5979	87.00	2474	173.00	370
47.00	783	70.00	546	88.00	2337	174.00	49304
48.00	280	72.00	249	91.00	148	175.00	3646
49.00	2783	73.00	2524	92.00	1795	176.00	47920
50.00	12489	74.00	9383	93.00	2236	177.00	3134
51.00	3814	75.00	28088	94.00	6637		
56.00	1117	76.00	2566	95.00	56968		

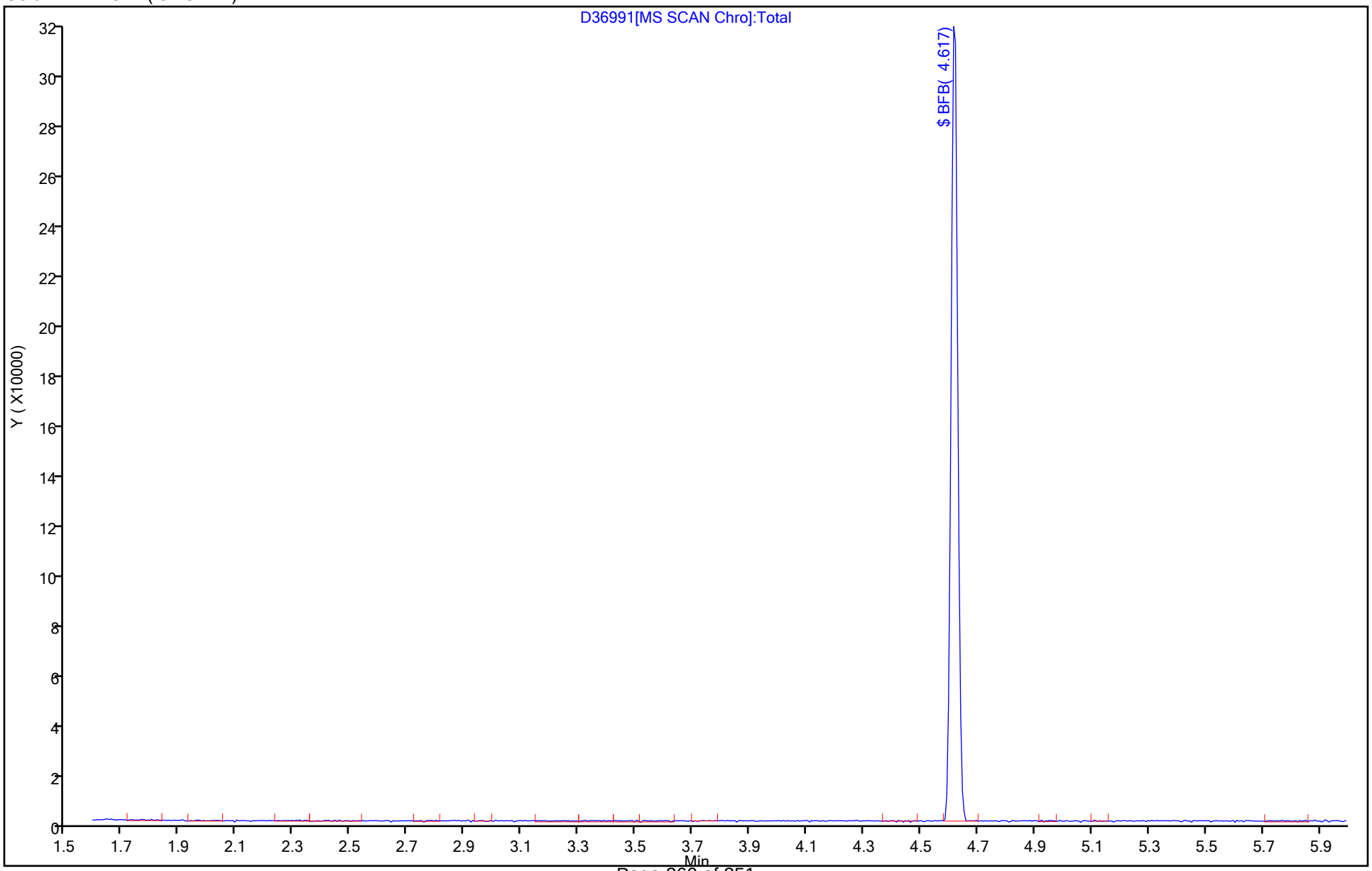
Report Date: 11-Oct-2020 11:15:03 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D36991.D

Injection Date:	10-Oct-2020 10:53:30	Instrument ID:	HP5975D	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38281.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 09-Nov-2020 10:11:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0094814-002
Operator ID: WD Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Nov-2020 10:18:43 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: dahnw Date: 09-Nov-2020 10:18:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.568	4.568	0.000	0	52370	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

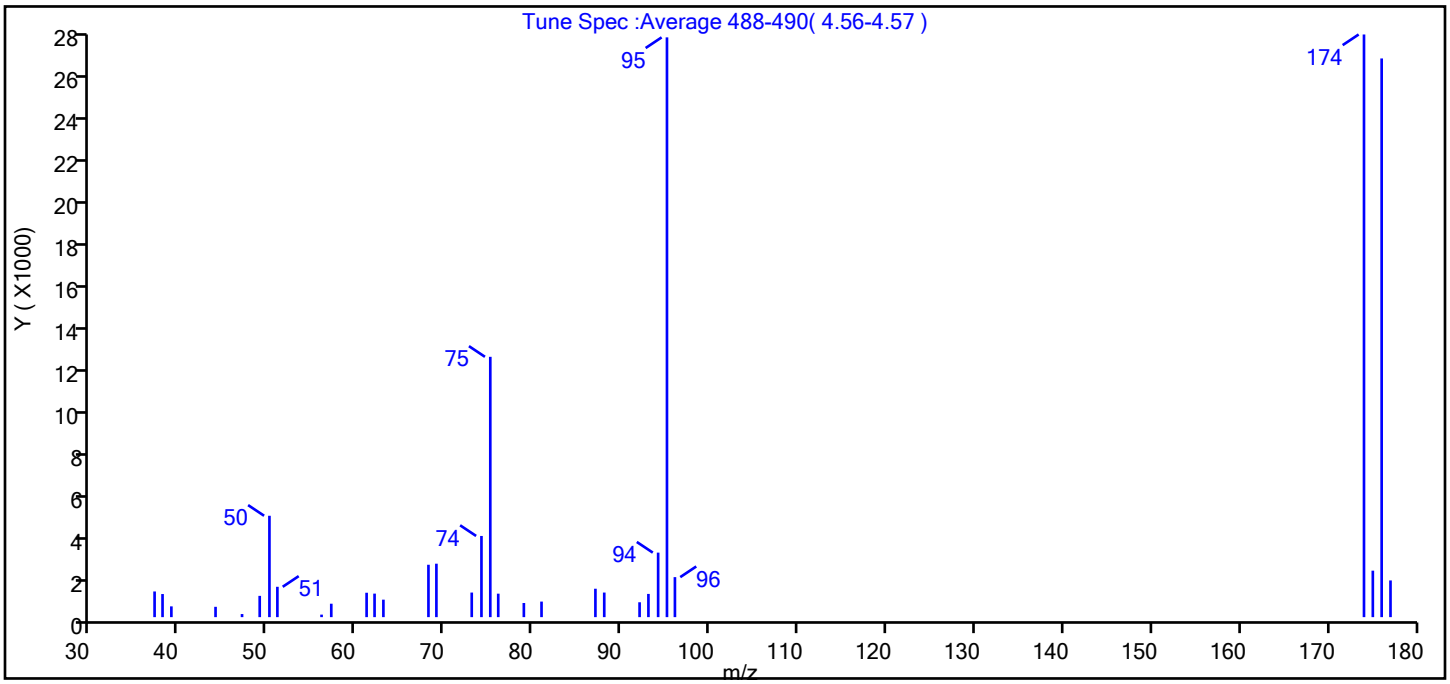
BFB_WRK_00112 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38281.D
Injection Date: 09-Nov-2020 10:11:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: WD ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.5
75	30 to 60% of m/z 95	44.9
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	100.5
175	5 to 9% of m/z 174	8.0 (8.0)
176	Greater than 95% but less than 101% of m/z 174	96.4 (95.9)
177	5 to 9% of m/z 176	6.3 (6.6)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38281.D\D-8260.rslt\spectra.d
Injection Date: 09-Nov-2020 10:11:30
Spectrum: Tune Spec :Average 488-490(4.56-4.57)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 32

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1208	56.00	119	74.00	3820	93.00	1093
38.00	1087	57.00	632	75.00	12249	94.00	3036
39.00	507	61.00	1148	76.00	1105	95.00	27280
44.00	486	62.00	1107	79.00	665	96.00	1883
47.00	146	63.00	823	81.00	732	174.00	27416
49.00	1001	68.00	2465	87.00	1337	175.00	2187
50.00	4770	69.00	2515	88.00	1157	176.00	26288
51.00	1428	73.00	1157	92.00	700	177.00	1727

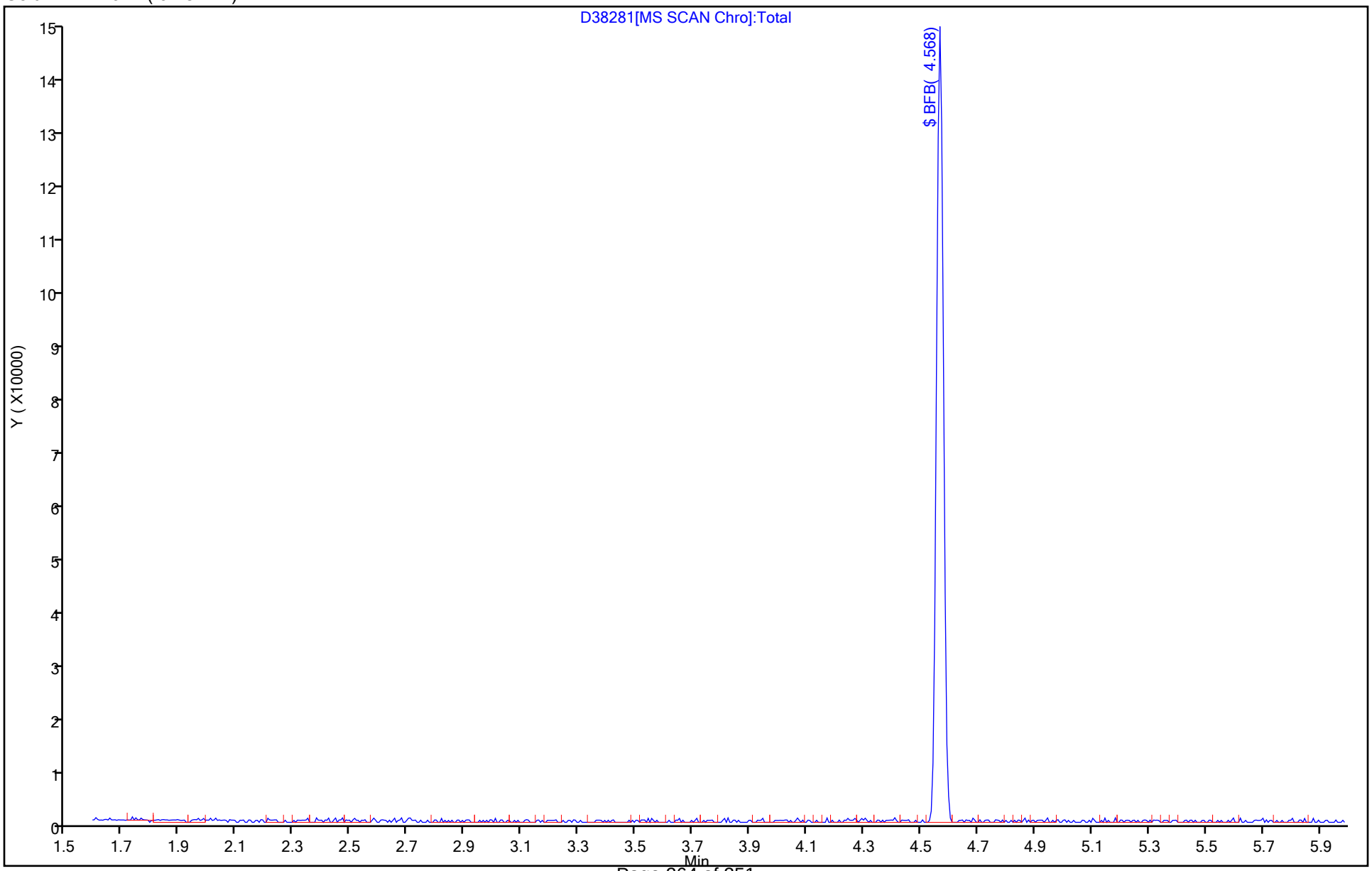
Report Date: 09-Nov-2020 10:18:43 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38281.D

Injection Date:	09-Nov-2020 10:11:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3490.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 27-Oct-2020 13:24:31 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0094477-009
Operator ID: LH Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2020 14:22:57 Calib Date: 20-Oct-2020 00:13:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201019-94260.b\L3160.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1669

First Level Reviewer: HillL Date: 27-Oct-2020 14:22:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 8 BFB	95	6.193	6.193	0.000	0	377664	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

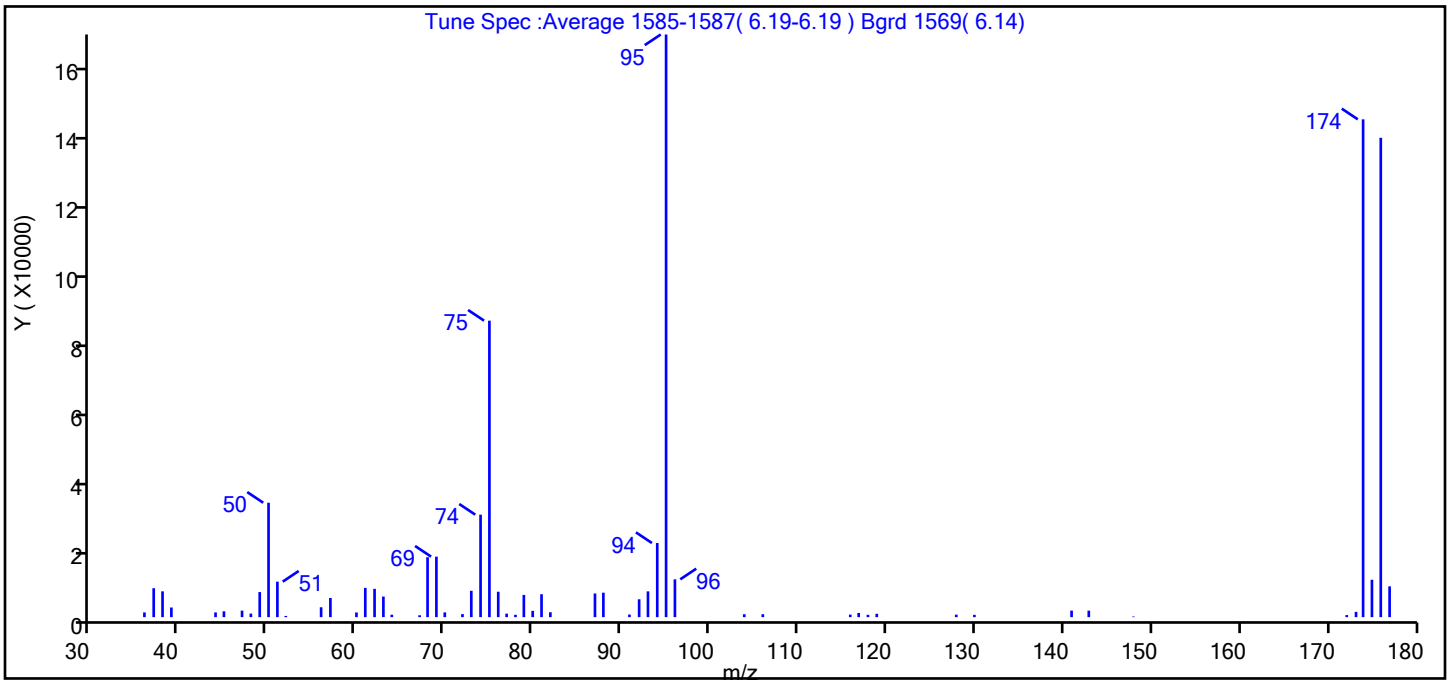
BFB_WRK_00111 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3490.D
Injection Date: 27-Oct-2020 13:24:31 Instrument ID: HP5977L
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.6
75	30 to 60% of m/z 95	50.9
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.9 (1.1)
174	50 to 120% of m/z 95	85.4
175	5 to 9% of m/z 174	6.4 (7.5)
176	Greater than 95% but less than 101% of m/z 174	82.3 (96.3)
177	5 to 9% of m/z 176	5.3 (6.4)

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3490.D\L-8260.rslt\spectra.d
Injection Date: 27-Oct-2020 13:24:31
Spectrum: Tune Spec :Average 1585-1587(6.19-6.19) Bgrd 1569(6.14)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1345	61.00	8324	79.00	6322	117.00	1190
37.00	8229	62.00	8044	80.00	1791	118.00	667
38.00	7338	63.00	5858	81.00	6520	119.00	956
39.00	2741	64.00	689	82.00	1395	128.00	698
44.00	1349	67.00	531	87.00	6734	130.00	654
45.00	1665	68.00	17040	88.00	6956	141.00	1866
47.00	1854	69.00	17208	91.00	739	143.00	1849
48.00	1017	70.00	1351	92.00	5084	148.00	171
49.00	7128	72.00	865	93.00	7330	172.00	592
50.00	32536	73.00	7496	94.00	21080	173.00	1507
51.00	10088	74.00	29144	95.00	165696	174.00	141568
52.00	344	75.00	84312	96.00	10753	175.00	10634
56.00	2812	76.00	7226	104.00	825	176.00	136320
57.00	5443	77.00	998	106.00	834	177.00	8761
60.00	1333	78.00	668	116.00	710		

Report Date: 27-Oct-2020 14:22:58 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3490.D

Injection Date: 27-Oct-2020 13:24:31 Instrument ID: HP5977L

Lims ID: BFB

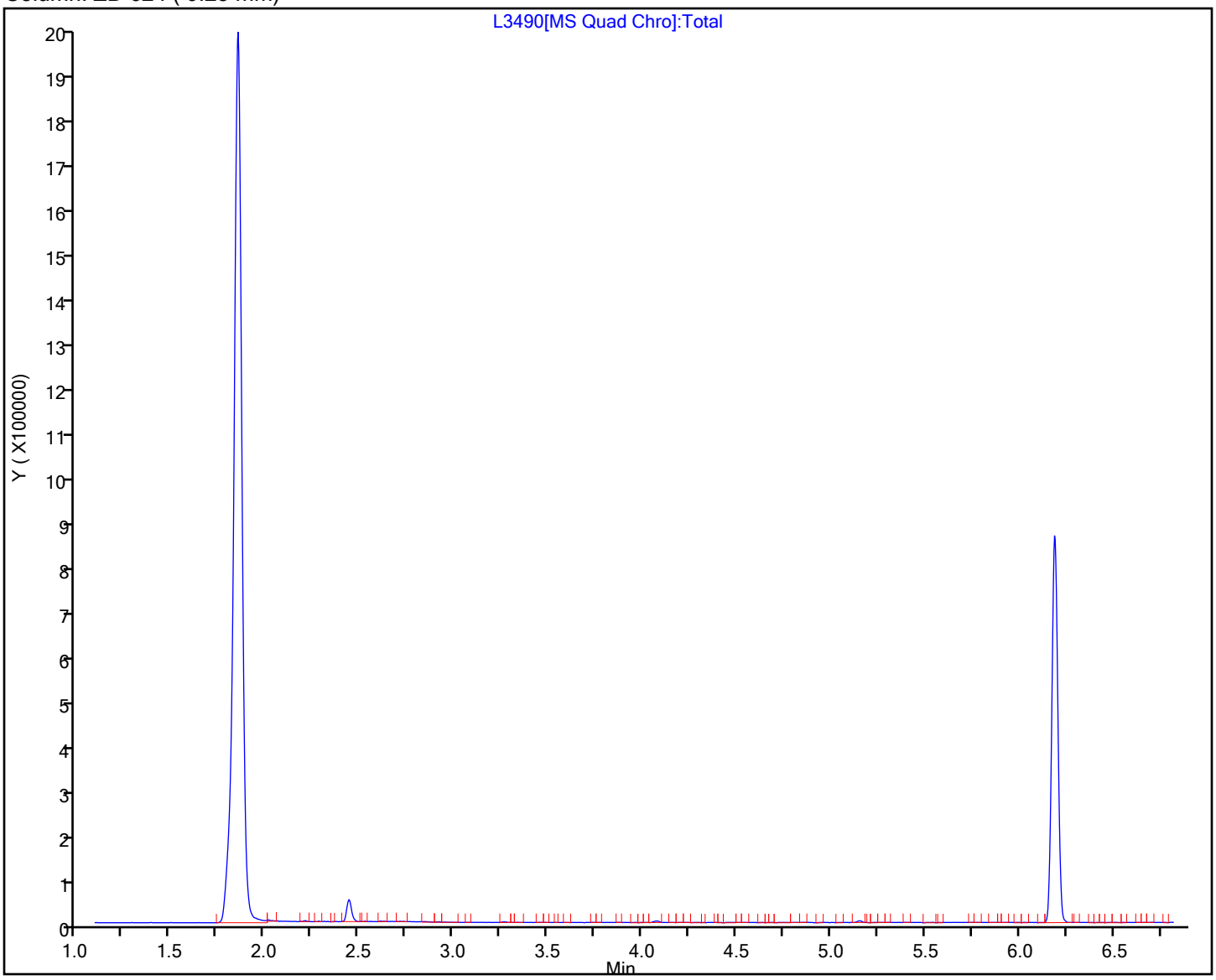
Client ID:

Operator ID: LH ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 uL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3943.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	08-Nov-2020 09:04:00	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0094792-002				
Operator ID:	OI	Instrument ID:	HP5977L		
Method:	\\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	08-Nov-2020 09:12:36	Calib Date:	27-Oct-2020 21:37:47		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS Quad		
Process Host:	CTX1633				
First Level Reviewer: izquierdoo		Date:	08-Nov-2020 09:12:36		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 8 BFB	95	6.190	6.190	0.000	0	523695	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

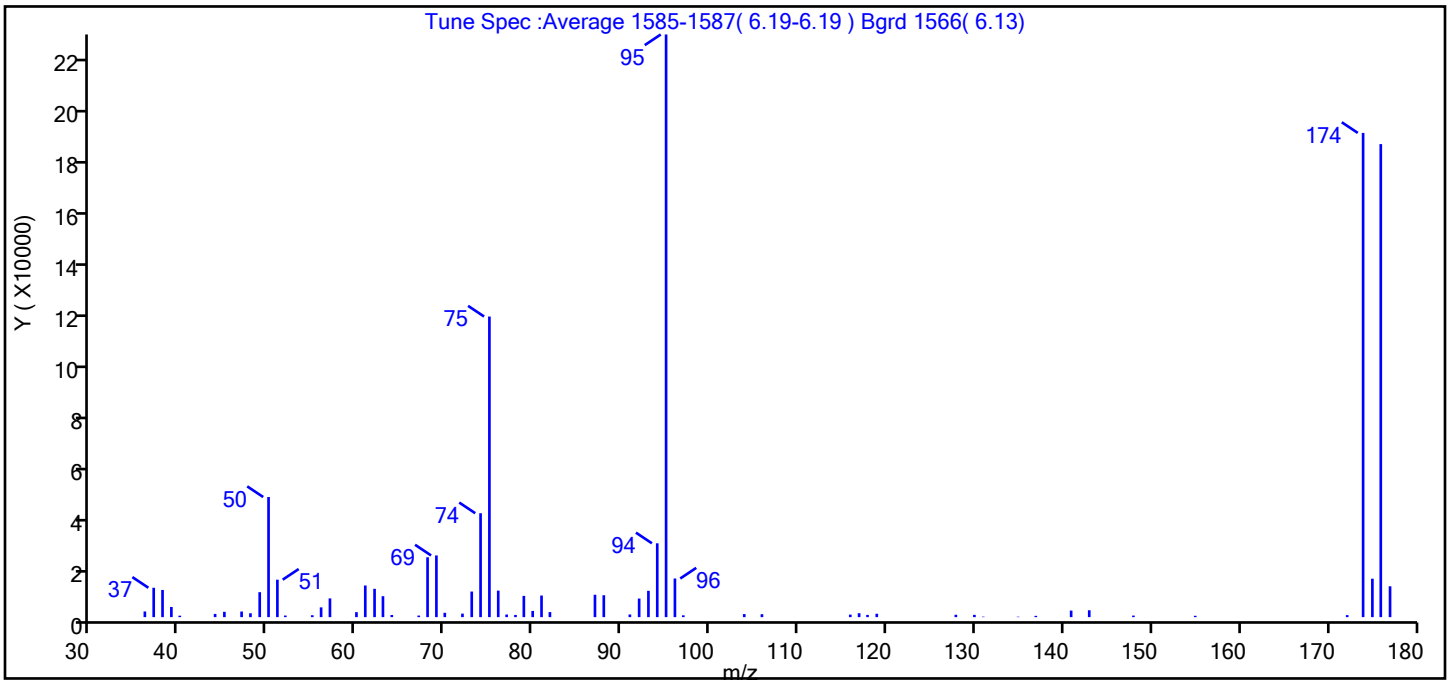
BFB_WRK_00112 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3943.D
Injection Date: 08-Nov-2020 09:04:00 Instrument ID: HP5977L
Lims ID: BFB
Client ID:
Operator ID: OI ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.6
75	30 to 60% of m/z 95	51.6
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	83.1
175	5 to 9% of m/z 174	6.6 (7.9)
176	Greater than 95% but less than 101% of m/z 174	81.2 (97.7)
177	5 to 9% of m/z 176	5.3 (6.5)

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3943.D\L-8260.rslt\spectra.d
Injection Date: 08-Nov-2020 09:04:00
Spectrum: Tune Spec :Average 1585-1587(6.19-6.19) Bgrd 1566(6.13)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2238	61.00	12493	81.00	8528	128.00	941
37.00	11593	62.00	11172	82.00	2001	130.00	904
38.00	10733	63.00	8275	87.00	8838	131.00	191
39.00	4026	64.00	841	88.00	8648	135.00	170
40.00	574	67.00	623	91.00	1053	137.00	514
44.00	1272	68.00	23632	92.00	7339	141.00	2591
45.00	2100	69.00	24352	93.00	10396	143.00	2716
47.00	2223	70.00	1716	94.00	29144	148.00	615
48.00	1528	72.00	1388	95.00	229952	155.00	536
49.00	9854	73.00	10098	96.00	15245	172.00	802
50.00	47400	74.00	41016	97.00	714	174.00	191104
51.00	14785	75.00	118640	104.00	1210	175.00	15171
52.00	628	76.00	10473	106.00	1164	176.00	186688
55.00	757	77.00	1036	116.00	996	177.00	12179
56.00	3851	78.00	875	117.00	1549		
57.00	7400	79.00	8390	118.00	886		
60.00	1966	80.00	2448	119.00	1338		

Report Date: 08-Nov-2020 09:12:36 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3943.D

Injection Date: 08-Nov-2020 09:04:00 Instrument ID: HP5977L

Lims ID: BFB

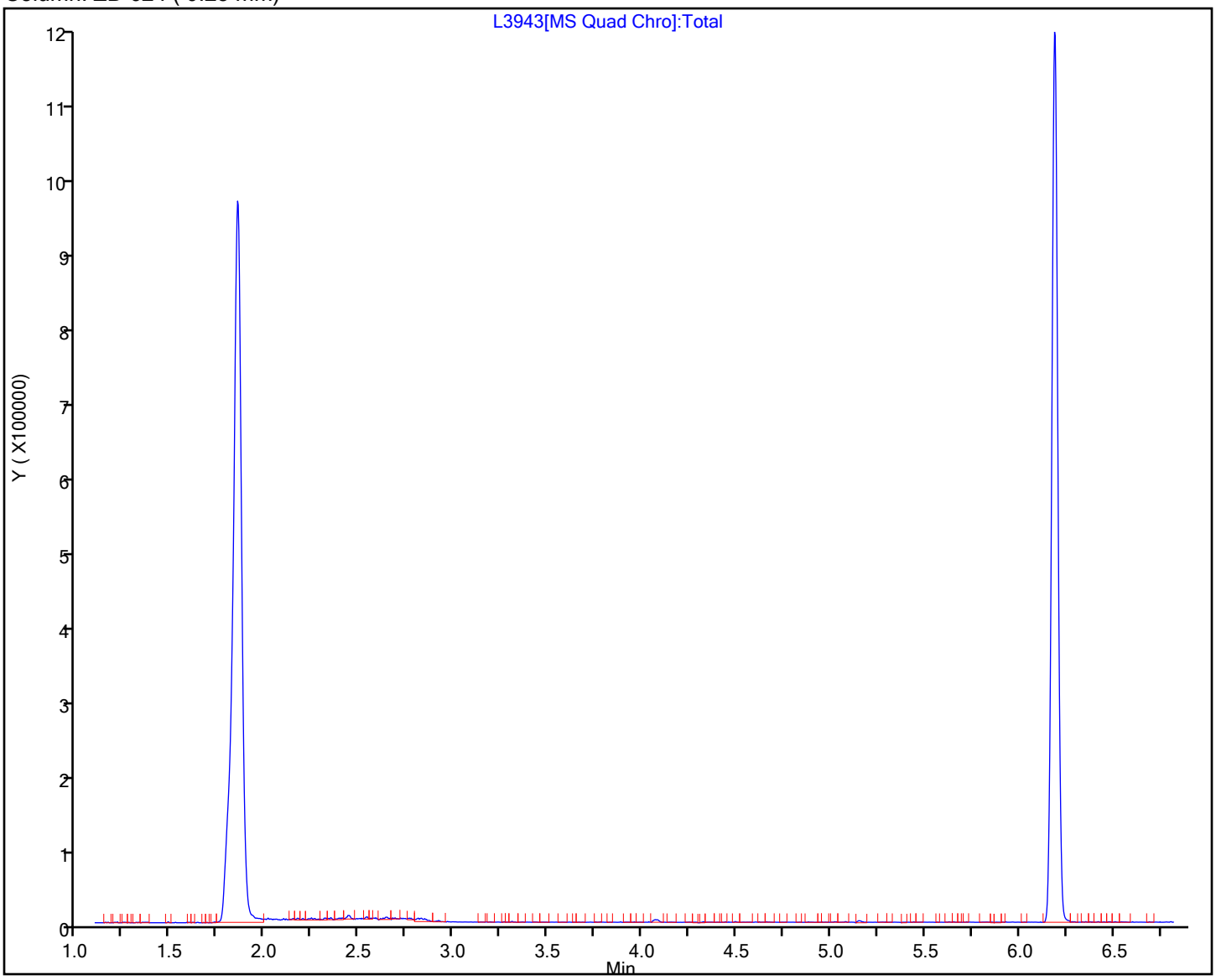
Client ID:

Operator ID: OI ALS Bottle#: 0 Worklist Smp#: 2

Injection Vol: 1.0 uL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-557999/7

Matrix: Water Lab File ID: L3948.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 11:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-557999/7

Matrix: Water Lab File ID: L3948.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 11:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3948.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 08-Nov-2020 11:06:50 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0094792-007
Operator ID: OI Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Nov-2020 11:32:46 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1633

First Level Reviewer: izquierdoo Date: 08-Nov-2020 11:32:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	197284	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.447	9.446	0.001	86	867419	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	96	457208	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	93	286093	25.0	24.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.231	0.000	98	330961	25.0	26.7	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	94	1037336	25.0	24.1	
$ 7 4-Bromofluorobenzene (Surr)	174	10.652	10.652	0.000	99	349008	25.0	24.9	
10 Dichlorodifluoromethane	85		2.170					ND	
9 Chlorodifluoromethane	51		2.205					ND	
13 Chloromethane	50		2.437					ND	
14 Vinyl chloride	62		2.572					ND	
15 Butadiene	54		2.575					ND	
18 Bromomethane	94		2.958					ND	
19 Chloroethane	64		3.061					ND	
20 Dichlorofluoromethane	67		3.289					ND	
21 Trichlorofluoromethane	101		3.312					ND	
11 Ethanol	45		3.575					ND	
26 Ethyl ether	59		3.585					ND	
12 Propene oxide	58		3.698					ND	
28 Acrolein	56		3.791					ND	
29 112TCTFE	101		3.810					ND	
30 1,1-Dichloroethene	96		3.839					ND	
31 Acetone	43		3.935					ND	
33 Iodomethane	142		4.029					ND	
16 Isopropyl alcohol	45		4.070					ND	
35 Carbon disulfide	76		4.083					ND	
37 3-Chloro-1-propene	41		4.199					ND	
38 Methyl acetate	43		4.209					ND	
17 Acetonitrile	40		4.254					ND	
39 Methylene Chloride	84		4.337					ND	7
40 2-Methyl-2-propanol	59		4.430					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
41 Methyl tert-butyl ether	73		4.514					ND	
42 trans-1,2-Dichloroethene	96		4.559					ND	
44 Acrylonitrile	53		4.598					ND	
47 Hexane	57		4.720					ND	
22 Isopropyl ether	45		4.910					ND	
23 Halothane	117		4.926					ND	
49 Vinyl acetate	43		4.958					ND	
50 1,1-Dichloroethane	63		4.961					ND	
25 1,1-Dimethoxyethane	75		5.000					ND	
24 2-Chloro-1,3-butadiene	53		5.012					ND	
27 Tert-butyl ethyl ether	59		5.234					ND	
56 2,2-Dichloropropane	77		5.456					ND	
32 Ethyl acetate	43		5.482					ND	
57 2-Butanone (MEK)	43		5.482					ND	
58 cis-1,2-Dichloroethene	96		5.482					ND	
34 Propionitrile	54		5.598					ND	
36 Methacrylonitrile	41		5.704					ND	
60 Chlorobromomethane	128		5.717					ND	
61 Tetrahydrofuran	42		5.726					ND	
62 Chloroform	83	5.765	5.758	0.007	85	2507		0.1117	
64 1,1,1-Trichloroethane	97		5.903					ND	
65 Cyclohexane	56		5.922					ND	
67 1,1-Dichloropropene	75		6.038					ND	
66 Carbon tetrachloride	117		6.038					ND	
69 Isobutyl alcohol	43		6.138					ND	
43 Isooctane	57		6.199					ND	
45 t-Amyl alcohol	59		6.212					ND	U
70 Benzene	78		6.247					ND	
46 Tert-amyl methyl ether	73		6.260					ND	
72 1,2-Dichloroethane	62		6.299					ND	
73 n-Heptane	43		6.337					ND	
48 1,4-Difluorobenzene	114		6.559					ND	
51 2,4,4-Trimethyl-1-pentene	55		6.675					ND	
52 n-Butanol	56		6.729					ND	
75 Trichloroethene	95		6.813					ND	
53 Ethyl acrylate	55		6.865					ND	
54 2,4,4-Trimethyl-2-pentene	97		6.877					ND	
76 Methylcyclohexane	83		6.945					ND	
77 1,2-Dichloropropane	63		7.057					ND	
55 Methyl methacrylate	41		7.070					ND	
81 1,4-Dioxane	88		7.167					ND	
82 Dibromomethane	93		7.202					ND	
83 Dichlorobromomethane	83		7.318					ND	
84 2-Chloroethyl vinyl ether	63		7.540					ND	
59 2-Nitropropane	43		7.553					ND	
63 Epichlorohydrin	57		7.668					ND	
85 cis-1,3-Dichloropropene	75		7.717					ND	
87 4-Methyl-2-pentanone (MIBK)	43		7.819					ND	
88 Toluene	92		8.016					ND	
68 2-Methylthiophene	97		8.160					ND	
90 Ethyl methacrylate	69		8.244					ND	
91 trans-1,3-Dichloropropene	75		8.257					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
71 3-Methylthiophene	97		8.321					ND	
93 1,1,2-Trichloroethane	83		8.463					ND	
94 Tetrachloroethene	166		8.553					ND	
95 1,3-Dichloropropane	76		8.636					ND	
96 2-Hexanone	43		8.643					ND	U
74 n-Butyl acetate	43		8.710					ND	
98 Chlorodibromomethane	129		8.887					ND	
101 Ethylene Dibromide	107		9.022					ND	
78 1-Chlorohexane	55		9.360					ND	
79 3-Chlorobenzotrifluoride	180		9.363					ND	
80 4-Chlorobenzotrifluoride	180		9.421					ND	
103 Chlorobenzene	112		9.475					ND	
104 Ethylbenzene	91		9.533					ND	
105 1,1,1,2-Tetrachloroethane	131		9.556					ND	
106 m-Xylene & p-Xylene	106		9.649					ND	
107 o-Xylene	106		10.086					ND	
109 Styrene	104		10.112					ND	7
86 2-Chlorobenzotrifluoride	180		10.356					ND	
110 Bromoform	173		10.392					ND	
111 Isopropylbenzene	105		10.437					ND	
89 Cyclohexanone	55		10.652					ND	U
112 1,1,2,2-Tetrachloroethane	83		10.813					ND	
113 Bromobenzene	156		10.823					ND	
114 N-Propylbenzene	91		10.845					ND	7
115 trans-1,4-Dichloro-2-butene	53		10.852					ND	
116 1,2,3-Trichloropropane	110		10.868					ND	
117 2-Chlorotoluene	126		10.977					ND	
118 1,3,5-Trimethylbenzene	105		10.999					ND	7
92 3-Chlorotoluene	126		11.035					ND	7
119 4-Chlorotoluene	91		11.077					ND	
120 tert-Butylbenzene	134		11.315					ND	
121 1,2,4-Trimethylbenzene	105		11.366					ND	
97 Pentachloroethane	167		11.401					ND	
122 sec-Butylbenzene	105		11.511					ND	7
123 4-Isopropyltoluene	119		11.630					ND	Ua
124 1,3-Dichlorobenzene	146		11.678					ND	Ua
99 Dicyclopentadiene	66		11.749					ND	U
126 1,4-Dichlorobenzene	146		11.758					ND	
100 1,2,3-Trimethylbenzene	105		11.761					ND	7
102 Benzyl chloride	126		11.884					ND	
127 n-Butylbenzene	91	12.000	11.996	0.004	93	7879		0.1648	
128 1,2-Dichlorobenzene	146		12.099					ND	Ua
129 1,2-Dibromo-3-Chloropropane	75		12.774					ND	
108 1,3,5-Trichlorobenzene	180		12.890					ND	
130 1,2,4-Trichlorobenzene	180		13.443					ND	U
131 Hexachlorobutadiene	225		13.533					ND	U
132 Naphthalene	128		13.697					ND	
133 1,2,3-Trichlorobenzene	180		13.922					ND	U
125 2-Methylnaphthalene	142		14.845					ND	
136 1-Bromopropane TIC	1		0.000					ND	
137 cis-1,4-Dichloro-2-butene	88		0.000					ND	
138 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
135 Propene oxide TIC	1		0.000					ND	
134 Ethylene oxide TIC	1		0.000					ND	
139 Hexachloroethane	117		0.000					ND	
S 144 1,3-Dichloropropene, Total	1		30.000					ND	7
S 141 1,2-Dichloroethene, Total	1		30.000					ND	7
S 143 Xylenes, Total	1		30.000					ND	7
S 142 Total BTEX	1		30.000					ND	7
S 145 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 08-Nov-2020 11:32:46 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3948.D

Injection Date: 08-Nov-2020 11:06:50 Instrument ID: HP5977L

Lims ID: MB

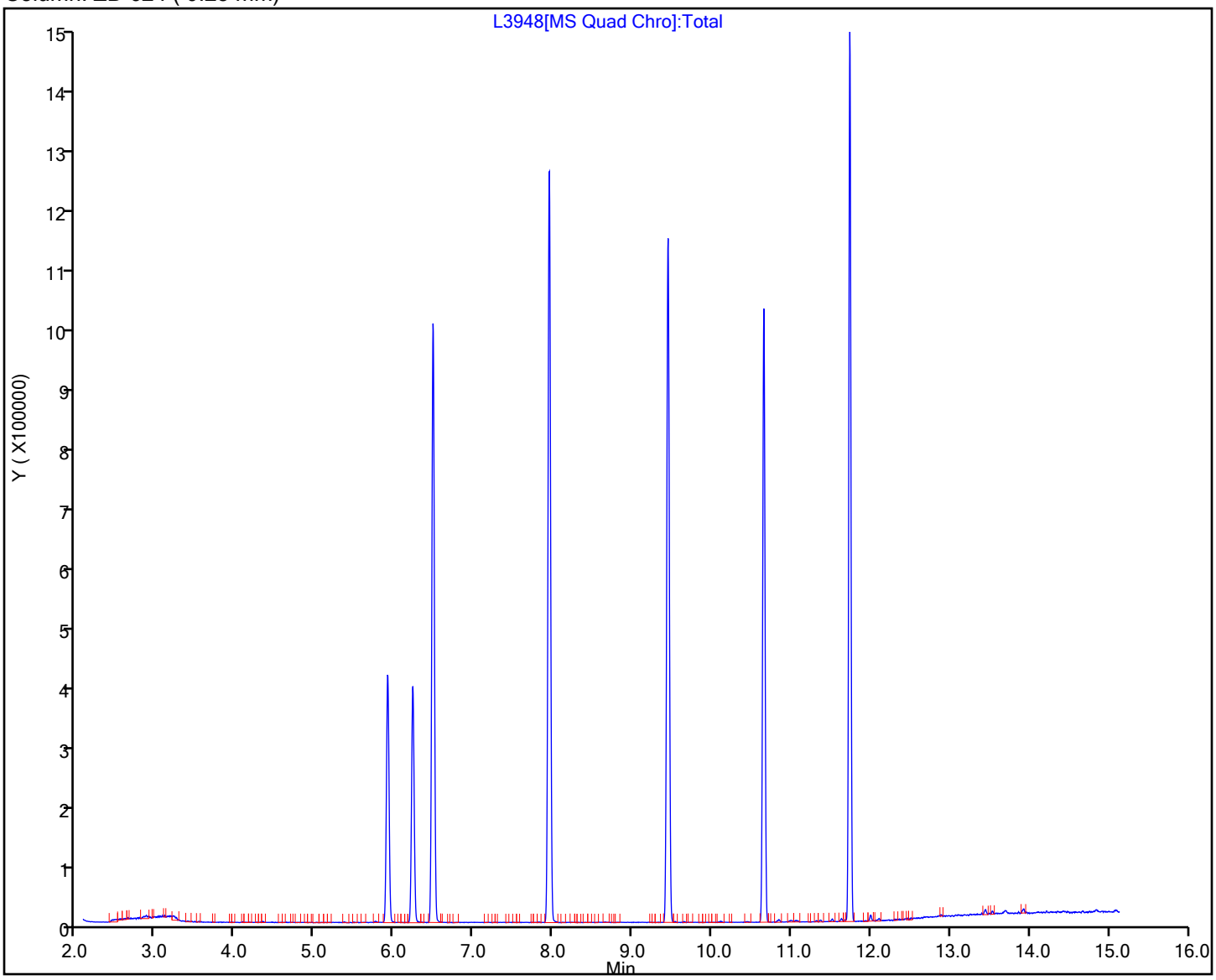
Client ID:

Operator ID: OI ALS Bottle#: 0 Worklist Smp#: 7

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



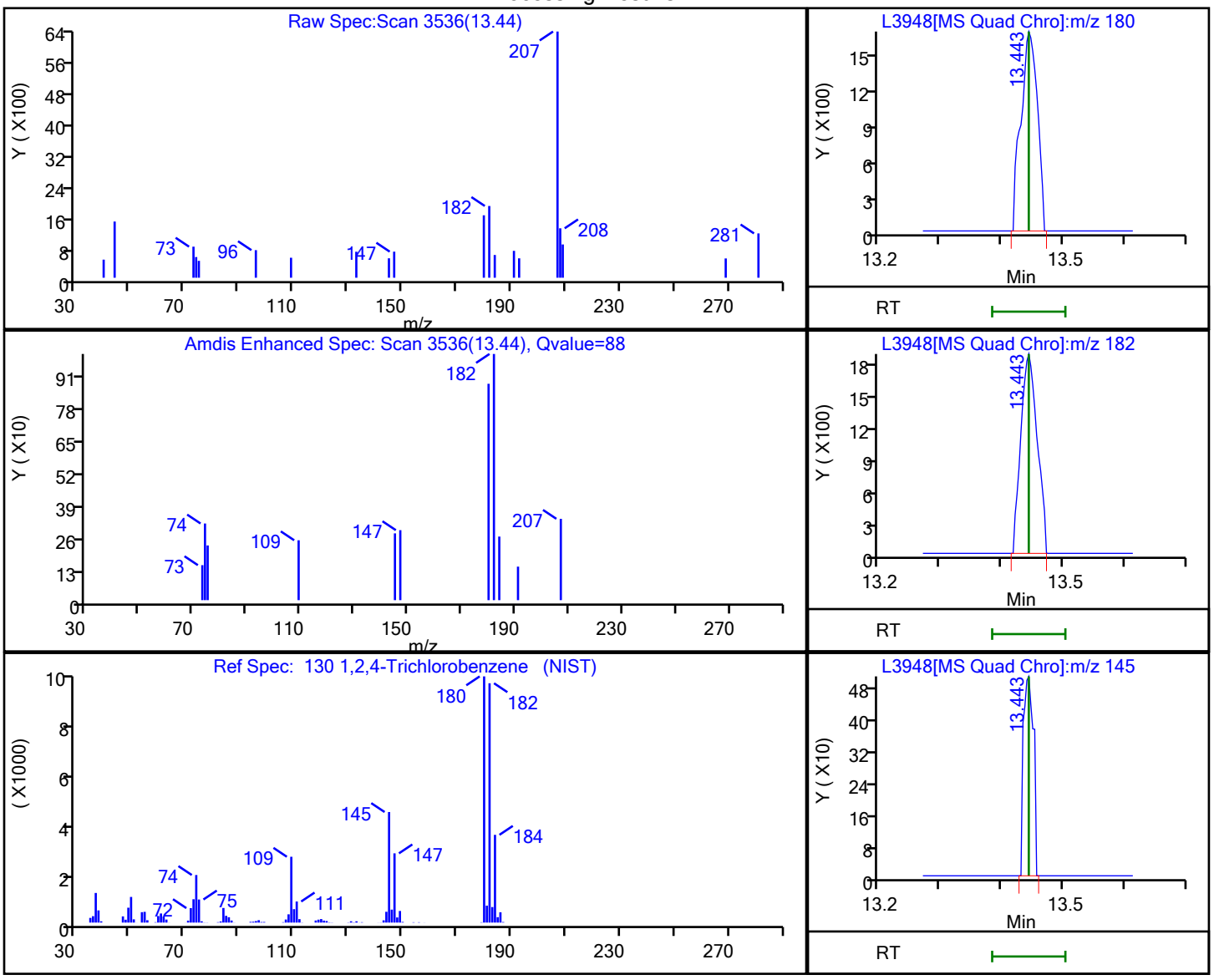
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3948.D
Injection Date: 08-Nov-2020 11:06:50 Instrument ID: HP5977L
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

130 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results



RT	Mass	Response	Amount
13.44	180.00	3019	0.161667
13.44	182.00	3457	
13.44	145.00	575	

Reviewer: izquierdoo, 08-Nov-2020 11:32:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

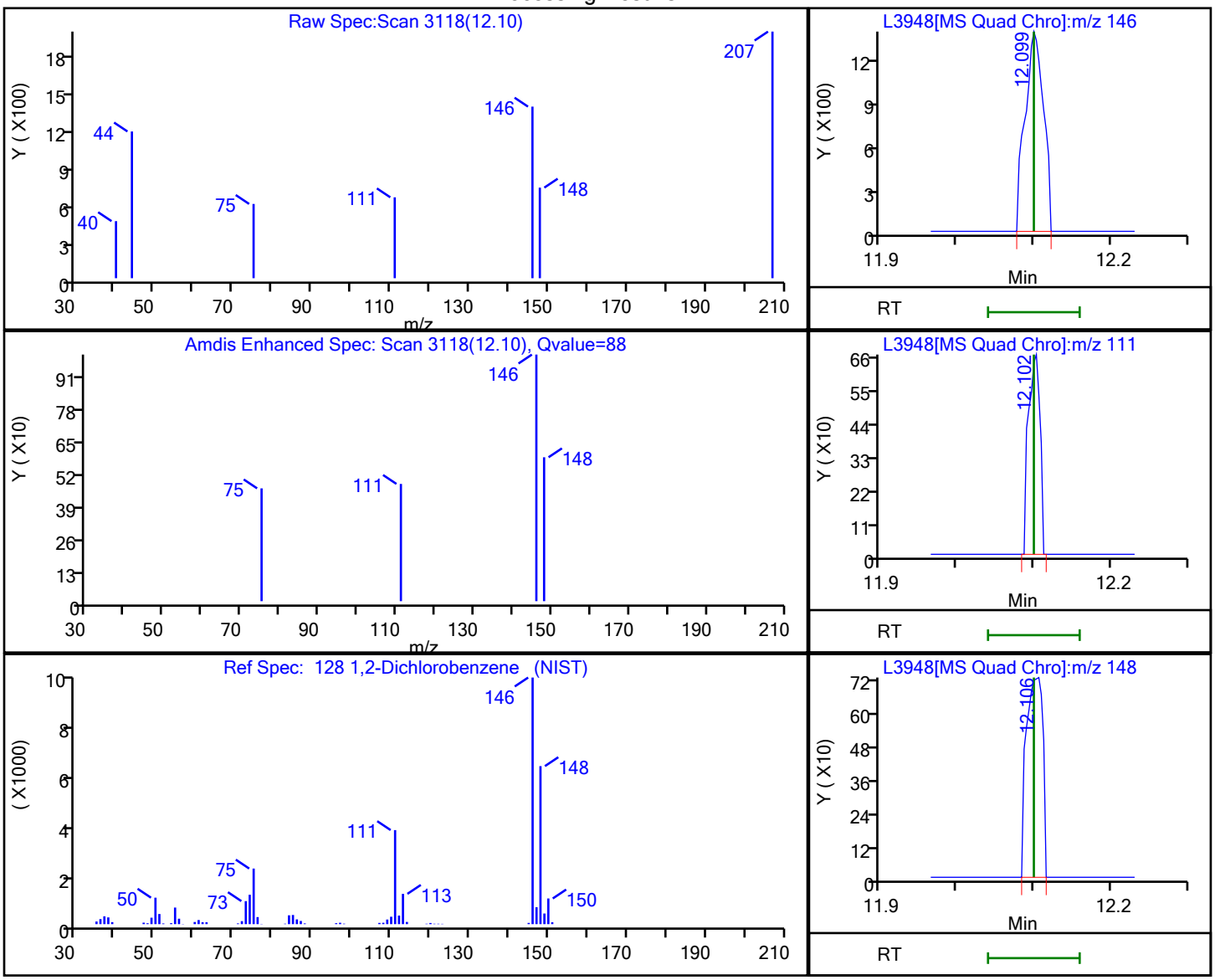
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3948.D
Injection Date: 08-Nov-2020 11:06:50 Instrument ID: HP5977L
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

128 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
12.10	146.00	2257	0.077732
12.10	111.00	702	
12.11	148.00	1078	

Reviewer: izquierdoo, 08-Nov-2020 11:32:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

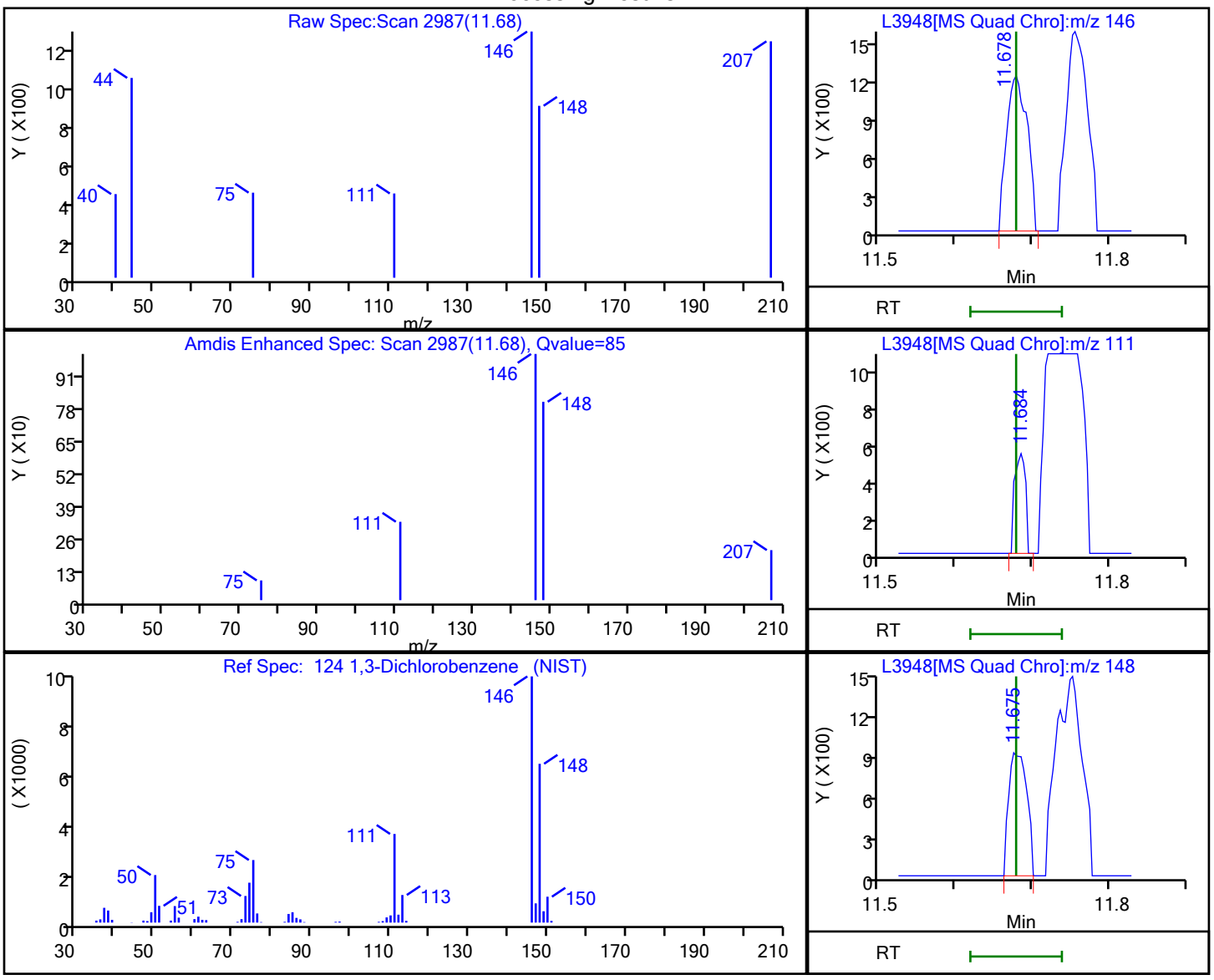
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3948.D
Injection Date: 08-Nov-2020 11:06:50 Instrument ID: HP5977L
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

124 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
11.68	146.00	2267	0.076556
11.68	111.00	495	
11.67	148.00	1427	

Reviewer: izquierdoo, 08-Nov-2020 11:32:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

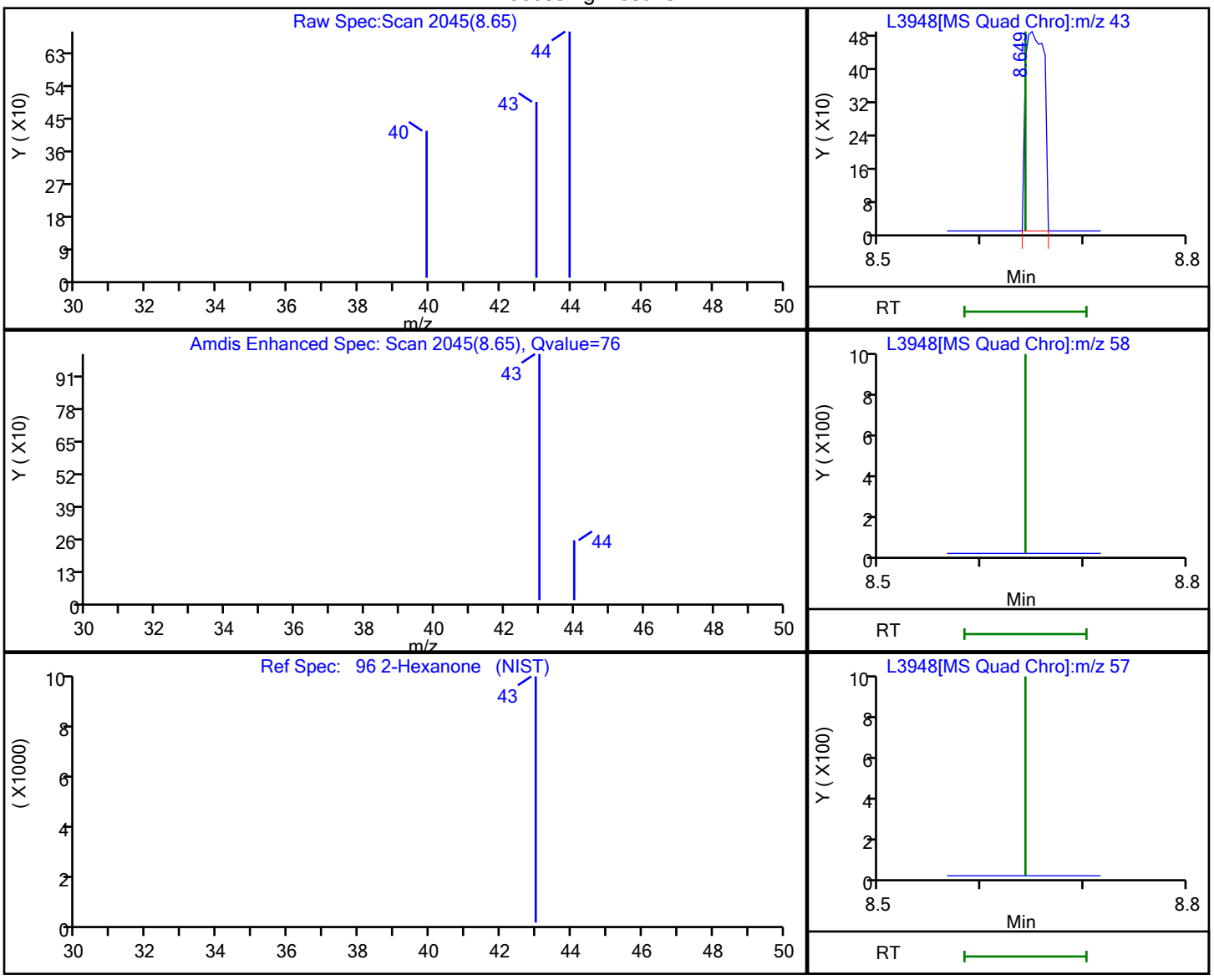
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3948.D
Injection Date: 08-Nov-2020 11:06:50 Instrument ID: HP5977L
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: L-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS Quad

96 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
8.65	43.00	617	0.070771
8.64	58.00	0	
8.64	57.00	0	

Reviewer: izquierdoo, 08-Nov-2020 11:25:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-558106/7

Matrix: Water Lab File ID: D38286.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/09/2020 12:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 558106 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-558106/7

Matrix: Water Lab File ID: D38286.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/09/2020 12:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 558106 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38286.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 09-Nov-2020 12:08:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0094814-007
Operator ID: WD Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Nov-2020 12:31:03 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: dahnw Date: 09-Nov-2020 12:31:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.422	5.422	0.000	99	109360	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.799	7.799	0.000	84	234842	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.732	9.726	0.006	94	258720	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.934	4.929	0.000	94	157793	25.0	24.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.196	5.196	0.000	97	86745	25.0	22.6	
$ 5 Toluene-d8 (Surr)	98	6.635	6.635	0.000	94	546515	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.763	8.763	0.000	97	205010	25.0	26.5	
10 Dichlorodifluoromethane	85		1.441					ND	
11 Chlorodifluoromethane	51		1.471					ND	
12 Chloromethane	50		1.648					ND	
13 Vinyl chloride	62		1.752					ND	
144 Butadiene	54		1.782					ND	
14 Bromomethane	94		2.130					ND	
15 Chloroethane	64		2.221					ND	
17 Trichlorofluoromethane	101		2.453					ND	
16 Dichlorofluoromethane	67		2.453					ND	
18 Ethyl ether	59		2.727					ND	
141 Ethanol	45		2.758					ND	
19 Propene oxide	58		2.825					ND	
20 Acrolein	56		2.916					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.965					ND	
22 1,1-Dichloroethene	96		2.983					ND	
23 Acetone	43		3.069					ND	
25 Iodomethane	142		3.148					ND	
26 Carbon disulfide	76		3.178					ND	
24 Isopropyl alcohol	45		3.258					ND	
28 3-Chloro-1-propene	41		3.313					ND	
27 Methyl acetate	43		3.349					ND	
29 Acetonitrile	40		3.380					ND	
30 Methylene Chloride	84		3.477					ND	
31 2-Methyl-2-propanol	59		3.605					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.642					ND	
34 trans-1,2-Dichloroethene	96		3.660					ND	
33 Acrylonitrile	53		3.715					ND	
35 Hexane	57		3.831					ND	
36 Isopropyl ether	45		4.038					ND	
39 1,1-Dichloroethane	63		4.044					ND	
132 Halothane	117		4.068					ND	
37 Vinyl acetate	43		4.081					ND	
40 2-Chloro-1,3-butadiene	53		4.099					ND	
38 1,1-Dimethoxyethane	75		4.111					ND	
41 Tert-butyl ethyl ether	59		4.337					ND	
44 2,2-Dichloropropane	77		4.501					ND	
45 cis-1,2-Dichloroethene	96		4.532					ND	
43 2-Butanone (MEK)	43		4.556					ND	
42 Ethyl acetate	43		4.574					ND	
46 Propionitrile	54		4.654					ND	
48 Chlorobromomethane	128		4.739					ND	
47 Methacrylonitrile	41		4.745					ND	
49 Tetrahydrofuran	42		4.751					ND	
50 Chloroform	83		4.800					ND	7
51 1,1,1-Trichloroethane	97		4.898					ND	
52 Cyclohexane	56		4.910					ND	
55 Carbon tetrachloride	117		5.013					ND	
54 1,1-Dichloropropene	75		5.026					ND	
146 Isooctane	57		5.184					ND	
53 Isobutyl alcohol	43		5.184					ND	
57 Benzene	78		5.202					ND	
140 t-Amyl alcohol	59		5.233					ND	
56 Tert-amyl methyl ether	73		5.239					ND	
58 1,2-Dichloroethane	62		5.257					ND	
59 n-Heptane	43		5.318					ND	
1 1,4-Difluorobenzene	114		5.501					ND	
154 2,4,4-Trimethyl-1-pentene	55		5.593					ND	
60 n-Butanol	56		5.690					ND	
62 Trichloroethene	95		5.696					ND	
145 Ethyl acrylate	55		5.769					ND	
153 2,4,4-Trimethyl-2-pentene	97		5.775					ND	
64 Methylcyclohexane	83		5.794					ND	
65 1,2-Dichloropropane	63		5.897					ND	
63 Methyl methacrylate	41		5.946					ND	
66 1,4-Dioxane	88		6.001					ND	
67 Dibromomethane	93		6.013					ND	
68 Dichlorobromomethane	83		6.123					ND	
70 2-Nitropropane	43		6.324					ND	
69 2-Chloroethyl vinyl ether	63		6.324					ND	
71 Epichlorohydrin	57		6.416					ND	
72 cis-1,3-Dichloropropene	75		6.452					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.550					ND	
74 Toluene	92		6.684					ND	
76 2-Methylthiophene	97		6.800					ND	
77 trans-1,3-Dichloropropene	75		6.891					ND	
75 Ethyl methacrylate	69		6.897					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		6.928					ND	
79 1,1,2-Trichloroethane	83		7.050					ND	
81 Tetrachloroethene	166		7.104					ND	
82 1,3-Dichloropropane	76		7.178					ND	
80 2-Hexanone	43		7.202					ND	
155 n-Butyl acetate	43		7.269					ND	
83 Chlorodibromomethane	129		7.373					ND	
84 Ethylene Dibromide	107		7.464					ND	
139 1-Chlorohexane	55		7.751					ND	U
85 3-Chlorobenzotrifluoride	180		7.757					ND	
86 4-Chlorobenzotrifluoride	180		7.806					ND	
87 Chlorobenzene	112		7.824					ND	
88 Ethylbenzene	91		7.879					ND	
89 1,1,1,2-Tetrachloroethane	131		7.891					ND	
90 m-Xylene & p-Xylene	106		7.970					ND	
91 o-Xylene	106		8.305					ND	
92 Styrene	104		8.324					ND	
93 2-Chlorobenzotrifluoride	180		8.525					ND	
95 Bromoform	173		8.537					ND	
94 Isopropylbenzene	105		8.586					ND	
96 Cyclohexanone	55		8.750					ND	
101 Bromobenzene	156		8.897					ND	
97 1,1,2,2-Tetrachloroethane	83		8.909					ND	
99 N-Propylbenzene	91		8.927					ND	
98 trans-1,4-Dichloro-2-butene	53		8.939					ND	
100 1,2,3-Trichloropropane	110		8.946					ND	
103 2-Chlorotoluene	126		9.037					ND	
102 1,3,5-Trimethylbenzene	105		9.067					ND	
104 3-Chlorotoluene	126		9.086					ND	
105 4-Chlorotoluene	126		9.128					ND	
106 tert-Butylbenzene	134		9.348					ND	
107 1,2,4-Trimethylbenzene	105		9.391					ND	
108 Pentachloroethane	167		9.415					ND	
109 sec-Butylbenzene	105		9.525					ND	
110 4-Isopropyltoluene	119		9.641					ND	
111 1,3-Dichlorobenzene	146		9.671					ND	
114 Dicyclopentadiene	66		9.732					ND	
113 1,4-Dichlorobenzene	146		9.750					ND	
112 1,2,3-Trimethylbenzene	105		9.762					ND	
143 Benzyl chloride	91		9.872					ND	
115 n-Butylbenzene	91		9.994					ND	
116 1,2-Dichlorobenzene	146		10.073					ND	
117 1,2-Dibromo-3-Chloropropane	75		10.768					ND	
118 1,3,5-Trichlorobenzene	180		10.884					ND	
119 1,2,4-Trichlorobenzene	180		11.409					ND	
120 Hexachlorobutadiene	225		11.500					ND	
121 Naphthalene	128		11.622					ND	
122 1,2,3-Trichlorobenzene	180		11.811					ND	
142 2-Methylnaphthalene	142		12.536					ND	
149 Hexachloroethane	117		0.000					ND	
152 cis-1,4-Dichloro-2-butene	88		0.000					ND	
150 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 124 Xylenes, Total	1		30.000					ND	7
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00023 Amount Added: 1.00 Units: uL Run Reagent

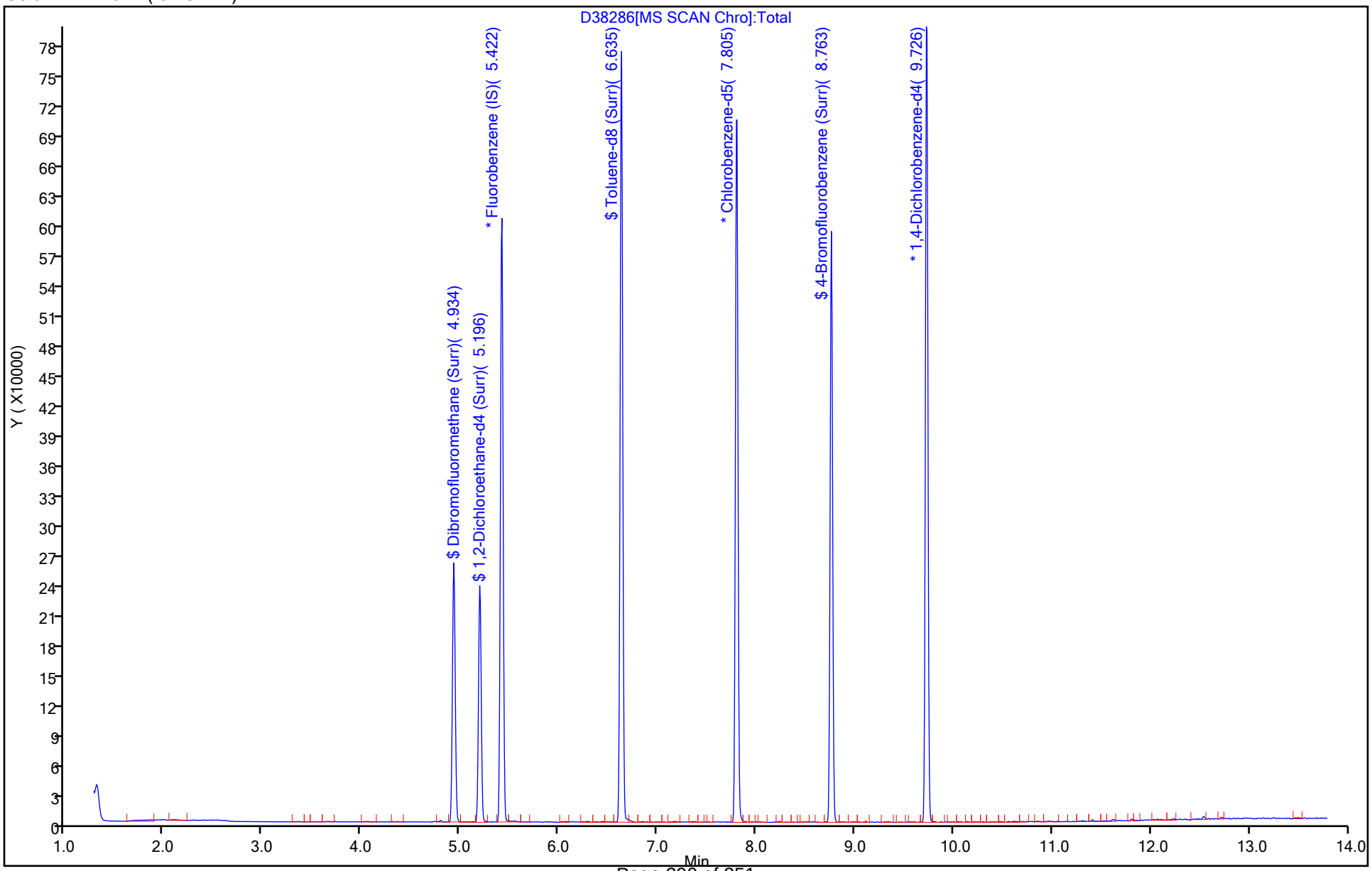
Report Date: 09-Nov-2020 12:31:03 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38286.D

Injection Date:	09-Nov-2020 12:08:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-557999/5

Matrix: Water Lab File ID: L3946.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 10:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.3		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.8		1.0	0.21
79-00-5	1,1,2-Trichloroethane	24.4		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23.0		1.0	0.31
75-34-3	1,1-Dichloroethane	24.6		1.0	0.38
75-35-4	1,1-Dichloroethene	23.3		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.9		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	28.2		1.0	0.39
95-50-1	1,2-Dichlorobenzene	23.6		1.0	0.79
107-06-2	1,2-Dichloroethane	27.2		1.0	0.21
78-87-5	1,2-Dichloropropane	24.1		1.0	0.72
541-73-1	1,3-Dichlorobenzene	23.8		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.1		1.0	0.84
78-93-3	2-Butanone (MEK)	133		10	1.3
591-78-6	2-Hexanone	139		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	137		5.0	2.1
67-64-1	Acetone	125		10	3.0
71-43-2	Benzene	24.4		1.0	0.41
75-27-4	Bromodichloromethane	27.1		1.0	0.39
75-25-2	Bromoform	28.5		1.0	0.26
74-83-9	Bromomethane	18.5		1.0	0.69
75-15-0	Carbon disulfide	23.9		1.0	0.19
56-23-5	Carbon tetrachloride	26.0		1.0	0.27
108-90-7	Chlorobenzene	24.2		1.0	0.75
124-48-1	Dibromochloromethane	27.8		1.0	0.32
75-00-3	Chloroethane	21.1		1.0	0.32
67-66-3	Chloroform	23.8		1.0	0.34
74-87-3	Chloromethane	23.5		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.3		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	27.1		1.0	0.36
110-82-7	Cyclohexane	24.0		1.0	0.18
75-71-8	Dichlorodifluoromethane	23.4		1.0	0.68
100-41-4	Ethylbenzene	24.1		1.0	0.74
106-93-4	1,2-Dibromoethane	25.0		1.0	0.73
98-82-8	Isopropylbenzene	24.2		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-557999/5

Matrix: Water Lab File ID: L3946.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 10:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	51.4		2.5	1.3
1634-04-4	Methyl tert-butyl ether	27.0		1.0	0.16
108-87-2	Methylcyclohexane	23.2		1.0	0.16
75-09-2	Methylene Chloride	21.6		1.0	0.44
100-42-5	Styrene	25.4		1.0	0.73
127-18-4	Tetrachloroethene	23.2		1.0	0.36
108-88-3	Toluene	24.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	27.8		1.0	0.37
79-01-6	Trichloroethene	24.5		1.0	0.46
75-69-4	Trichlorofluoromethane	25.3		1.0	0.88
75-01-4	Vinyl chloride	22.1		1.0	0.90
1330-20-7	Xylenes, Total	48.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3946.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 08-Nov-2020 10:17:10 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0094792-005
Operator ID: OI Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-Nov-2020 11:33:31 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1633

First Level Reviewer: izquierdoo Date: 08-Nov-2020 11:33:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	199144	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.443	9.446	-0.003	88	871420	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	95	479279	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	93	293457	25.0	24.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.231	0.000	98	334621	25.0	26.8	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	94	1067585	25.0	24.7	
$ 7 4-Bromofluorobenzene (Surr)	174	10.652	10.652	0.000	99	368332	25.0	26.2	
10 Dichlorodifluoromethane	85	2.170	2.170	0.000	99	344860	25.0	23.4	
13 Chloromethane	50	2.434	2.437	-0.003	99	325358	25.0	23.5	
14 Vinyl chloride	62	2.563	2.572	-0.009	98	338672	25.0	22.1	
15 Butadiene	54	2.572	2.575	-0.003	90	338478	25.0	22.7	
18 Bromomethane	94	2.952	2.958	-0.006	91	274807	25.0	18.5	
19 Chloroethane	64	3.061	3.061	0.000	100	234461	25.0	21.1	
20 Dichlorofluoromethane	67	3.286	3.289	-0.003	97	502080	25.0	25.5	
21 Trichlorofluoromethane	101	3.302	3.312	-0.010	97	526976	25.0	25.3	
26 Ethyl ether	59	3.585	3.585	0.000	90	249501	25.0	24.8	
28 Acrolein	56	3.788	3.791	-0.003	99	110024	125.0	77.2	
29 112TCTFE	101	3.813	3.810	0.003	94	279181	25.0	23.0	
30 1,1-Dichloroethene	96	3.842	3.839	0.003	98	257610	25.0	23.3	
31 Acetone	43	3.939	3.935	0.004	99	499483	125.0	125.1	
33 Iodomethane	142	4.026	4.029	-0.003	99	503773	25.0	24.4	
35 Carbon disulfide	76	4.080	4.083	-0.003	100	875764	25.0	23.9	
37 3-Chloro-1-propene	41	4.199	4.199	0.000	87	409648	25.0	28.0	
38 Methyl acetate	43	4.212	4.209	0.003	97	458496	50.0	51.4	
39 Methylene Chloride	84	4.337	4.337	0.000	91	297126	25.0	21.6	
40 2-Methyl-2-propanol	59	4.434	4.430	0.004	99	330598	250.0	232.9	
41 Methyl tert-butyl ether	73	4.514	4.514	0.000	96	863176	25.0	27.0	
42 trans-1,2-Dichloroethene	96	4.559	4.559	0.000	99	298319	25.0	23.4	
44 Acrylonitrile	53	4.601	4.598	0.003	98	1189461	250.0	250.9	
47 Hexane	57	4.720	4.720	0.000	92	388438	25.0	23.7	
49 Vinyl acetate	43	4.958	4.958	0.000	97	1324935	50.0	59.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
50 1,1-Dichloroethane	63	4.958	4.961	-0.003	95	503278	25.0	24.6	
56 2,2-Dichloropropane	77	5.456	5.456	0.000	93	365685	25.0	28.0	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	88	334048	25.0	24.3	
57 2-Butanone (MEK)	43	5.482	5.482	0.000	99	797711	125.0	133.1	
60 Chlorobromomethane	128	5.714	5.717	-0.003	91	178983	25.0	24.1	
61 Tetrahydrofuran	42	5.730	5.726	0.004	87	195661	50.0	51.5	
62 Chloroform	83	5.759	5.758	0.001	93	538828	25.0	23.8	
64 1,1,1-Trichloroethane	97	5.903	5.903	0.000	98	482210	25.0	25.3	
65 Cyclohexane	56	5.923	5.922	0.001	90	455792	25.0	24.0	
66 Carbon tetrachloride	117	6.038	6.038	0.000	92	444069	25.0	26.0	
67 1,1-Dichloropropene	75	6.038	6.038	0.000	92	406077	25.0	24.2	
69 Isobutyl alcohol	43	6.138	6.138	0.000	92	373295	625.0	668.4	
70 Benzene	78	6.247	6.247	0.000	98	1134406	25.0	24.4	
72 1,2-Dichloroethane	62	6.299	6.299	0.000	98	454404	25.0	27.2	
73 n-Heptane	43	6.341	6.337	0.004	89	360446	25.0	25.4	
75 Trichloroethene	95	6.813	6.813	0.000	96	320395	25.0	24.5	
76 Methylcyclohexane	83	6.945	6.945	0.000	90	481544	25.0	23.2	
77 1,2-Dichloropropane	63	7.058	7.057	0.001	91	279750	25.0	24.1	
81 1,4-Dioxane	88	7.167	7.167	0.000	92	62902	500.0	430.6	M
82 Dibromomethane	93	7.202	7.202	0.000	95	205042	25.0	25.1	
83 Dichlorobromomethane	83	7.318	7.318	0.000	98	410521	25.0	27.1	
84 2-Chloroethyl vinyl ether	63	7.537	7.540	-0.003	95	203815	25.0	26.3	
85 cis-1,3-Dichloropropene	75	7.717	7.717	0.000	94	485883	25.0	27.1	
87 4-Methyl-2-pentanone (MIBK)	43	7.820	7.820	0.001	96	1644258	125.0	137.2	
88 Toluene	92	8.016	8.016	0.000	98	753973	25.0	24.2	
90 Ethyl methacrylate	69	8.244	8.244	0.000	86	402308	25.0	27.0	
91 trans-1,3-Dichloropropene	75	8.260	8.257	0.003	97	483158	25.0	27.8	
93 1,1,2-Trichloroethane	83	8.463	8.463	0.000	93	228427	25.0	24.4	
94 Tetrachloroethene	166	8.556	8.553	0.003	95	345152	25.0	23.2	
95 1,3-Dichloropropane	76	8.633	8.636	-0.003	94	476739	25.0	24.8	
96 2-Hexanone	43	8.643	8.643	0.000	95	1221473	125.0	139.5	
98 Chlorodibromomethane	129	8.887	8.887	0.000	90	342014	25.0	27.8	
101 Ethylene Dibromide	107	9.022	9.022	0.000	98	310803	25.0	25.0	
103 Chlorobenzene	112	9.476	9.475	0.001	97	864535	25.0	24.2	
104 Ethylbenzene	91	9.533	9.533	0.000	98	1427801	25.0	24.1	
105 1,1,1,2-Tetrachloroethane	131	9.556	9.556	0.000	95	322953	25.0	26.6	
106 m-Xylene & p-Xylene	106	9.649	9.649	0.000	99	571675	25.0	24.2	
107 o-Xylene	106	10.090	10.086	0.004	96	550261	25.0	24.5	
109 Styrene	104	10.112	10.112	0.000	95	927431	25.0	25.4	
110 Bromoform	173	10.389	10.392	-0.003	96	228968	25.0	28.5	
111 Isopropylbenzene	105	10.440	10.437	0.003	96	1457588	25.0	24.2	
112 1,1,2,2-Tetrachloroethane	83	10.813	10.813	0.000	96	398556	25.0	23.8	
113 Bromobenzene	156	10.823	10.823	0.000	94	380595	25.0	24.1	
114 N-Propylbenzene	91	10.845	10.845	0.000	99	1723771	25.0	23.9	
115 trans-1,4-Dichloro-2-butene	53	10.855	10.852	0.003	79	116562	25.0	25.8	
116 1,2,3-Trichloropropane	110	10.868	10.868	0.000	86	135897	25.0	24.4	
117 2-Chlorotoluene	126	10.977	10.977	0.000	97	359454	25.0	23.7	
118 1,3,5-Trimethylbenzene	105	11.000	11.000	0.001	95	1223821	25.0	24.4	
119 4-Chlorotoluene	91	11.080	11.077	0.003	98	1045514	25.0	25.3	
120 tert-Butylbenzene	134	11.315	11.315	0.000	93	281065	25.0	24.2	
121 1,2,4-Trimethylbenzene	105	11.366	11.366	0.000	97	1247314	25.0	24.6	
122 sec-Butylbenzene	105	11.511	11.511	0.000	94	1567472	25.0	24.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
123 4-Isopropyltoluene	119	11.630	11.633	0.000	97	1391452	25.0	24.6	
124 1,3-Dichlorobenzene	146	11.678	11.678	0.000	98	738884	25.0	23.8	
126 1,4-Dichlorobenzene	146	11.758	11.758	0.000	95	746445	25.0	23.1	
127 n-Butylbenzene	91	11.996	11.996	0.000	98	1215985	25.0	24.3	
128 1,2-Dichlorobenzene	146	12.099	12.099	0.000	97	717346	25.0	23.6	
129 1,2-Dibromo-3-Chloropropane	75	12.775	12.774	0.000	86	78464	25.0	28.2	
130 1,2,4-Trichlorobenzene	180	13.443	13.443	0.000	94	487728	25.0	24.9	
131 Hexachlorobutadiene	225	13.533	13.533	0.000	97	200031	25.0	23.5	
132 Naphthalene	128	13.694	13.697	-0.003	97	1312550	25.0	25.4	
133 1,2,3-Trichlorobenzene	180	13.922	13.922	0.000	95	452100	25.0	24.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00196	Amount Added:	12.50	Units: uL	
GAS CORP mix_00425	Amount Added:	12.50	Units: uL	
L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 08-Nov-2020 11:33:32 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3946.D

Injection Date: 08-Nov-2020 10:17:10 Instrument ID: HP5977L

Lims ID: LCS

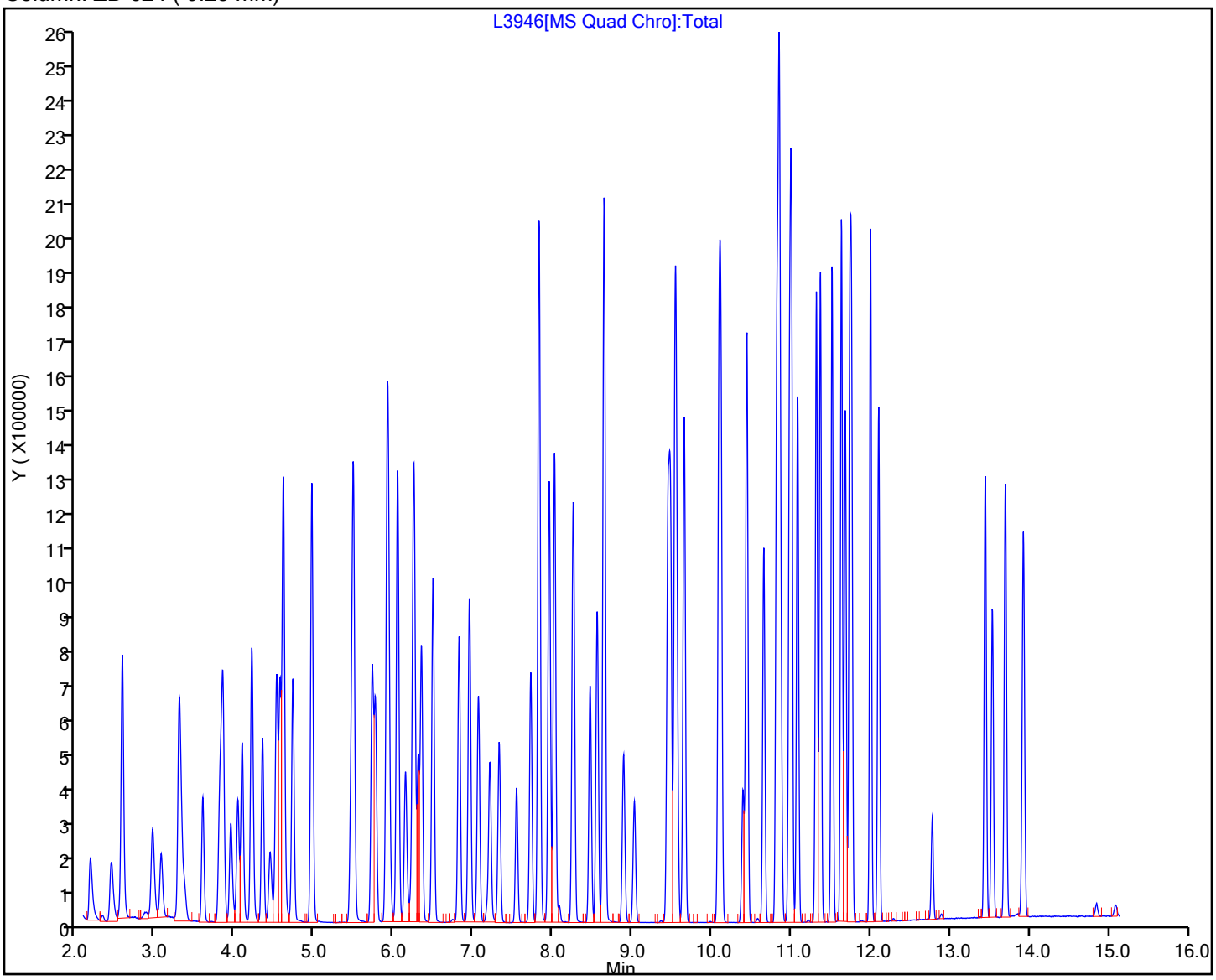
Client ID:

Operator ID: OI ALS Bottle#: 0 Worklist Smp#: 5

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-558106/5

Matrix: Water Lab File ID: D38284.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/09/2020 11:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 558106 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.2		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.8		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.9		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27.8		1.0	0.31
75-34-3	1,1-Dichloroethane	23.6		1.0	0.38
75-35-4	1,1-Dichloroethene	25.7		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.9		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.0		1.0	0.39
95-50-1	1,2-Dichlorobenzene	24.8		1.0	0.79
107-06-2	1,2-Dichloroethane	21.4		1.0	0.21
78-87-5	1,2-Dichloropropane	24.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.3		1.0	0.84
78-93-3	2-Butanone (MEK)	111		10	1.3
591-78-6	2-Hexanone	108		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	107		5.0	2.1
67-64-1	Acetone	107		10	3.0
71-43-2	Benzene	24.7		1.0	0.41
75-27-4	Bromodichloromethane	25.3		1.0	0.39
75-25-2	Bromoform	30.6		1.0	0.26
74-83-9	Bromomethane	25.9		1.0	0.69
75-15-0	Carbon disulfide	25.8		1.0	0.19
56-23-5	Carbon tetrachloride	24.2		1.0	0.27
108-90-7	Chlorobenzene	25.1		1.0	0.75
124-48-1	Dibromochloromethane	27.7		1.0	0.32
75-00-3	Chloroethane	17.5		1.0	0.32
67-66-3	Chloroform	23.4		1.0	0.34
74-87-3	Chloromethane	19.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.2		1.0	0.36
110-82-7	Cyclohexane	23.9		1.0	0.18
75-71-8	Dichlorodifluoromethane	24.1		1.0	0.68
100-41-4	Ethylbenzene	24.5		1.0	0.74
106-93-4	1,2-Dibromoethane	26.4		1.0	0.73
98-82-8	Isopropylbenzene	23.1		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-558106/5

Matrix: Water Lab File ID: D38284.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/09/2020 11:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 558106 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	45.3		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.9		1.0	0.16
108-87-2	Methylcyclohexane	25.3		1.0	0.16
75-09-2	Methylene Chloride	25.9		1.0	0.44
100-42-5	Styrene	25.5		1.0	0.73
127-18-4	Tetrachloroethene	26.8		1.0	0.36
108-88-3	Toluene	24.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.5		1.0	0.37
79-01-6	Trichloroethene	24.9		1.0	0.46
75-69-4	Trichlorofluoromethane	22.7		1.0	0.88
75-01-4	Vinyl chloride	20.2		1.0	0.90
1330-20-7	Xylenes, Total	50.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38284.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 09-Nov-2020 11:21:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0094814-005
Operator ID: WD Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Nov-2020 12:27:21 Calib Date: 10-Oct-2020 19:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201010-94037.b\D37014.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: dahnw Date: 09-Nov-2020 12:27:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.416	5.422	-0.006	99	105444	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.799	7.799	0.000	88	230111	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.726	9.726	0.000	93	257227	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.934	4.929	0.000	94	152250	25.0	24.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.196	5.196	0.000	97	81382	25.0	22.0	
$ 5 Toluene-d8 (Surr)	98	6.635	6.635	0.000	93	534786	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.763	8.763	0.000	97	207351	25.0	27.4	
10 Dichlorodifluoromethane	85	1.441	1.441	0.000	99	173989	25.0	24.1	
12 Chloromethane	50	1.648	1.648	0.000	99	171787	25.0	19.4	
13 Vinyl chloride	62	1.746	1.752	-0.006	98	158676	25.0	20.2	
144 Butadiene	54	1.776	1.782	-0.006	91	136190	25.0	19.8	
14 Bromomethane	94	2.124	2.130	-0.006	91	119612	25.0	25.9	
15 Chloroethane	64	2.227	2.221	0.006	99	78419	25.0	17.5	
17 Trichlorofluoromethane	101	2.453	2.453	0.000	98	205272	25.0	22.7	
16 Dichlorofluoromethane	67	2.453	2.453	0.000	97	216362	25.0	19.3	
18 Ethyl ether	59	2.727	2.727	0.000	93	113382	25.0	23.3	
20 Acrolein	56	2.922	2.916	0.006	99	52294	125.0	113.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.965	2.965	0.000	92	142946	25.0	27.8	
22 1,1-Dichloroethene	96	2.983	2.983	0.000	98	126469	25.0	25.7	
23 Acetone	43	3.075	3.069	0.006	100	210630	125.0	106.6	
25 Iodomethane	142	3.154	3.148	0.006	99	281999	25.0	27.9	
26 Carbon disulfide	76	3.178	3.178	0.000	99	455874	25.0	25.8	
28 3-Chloro-1-propene	41	3.312	3.313	-0.001	92	195717	25.0	20.8	
27 Methyl acetate	43	3.355	3.349	0.006	98	210779	50.0	45.3	
30 Methylene Chloride	84	3.489	3.477	0.012	93	162350	25.0	25.9	
31 2-Methyl-2-propanol	59	3.605	3.605	0.000	98	158500	250.0	253.8	
32 Methyl tert-butyl ether	73	3.642	3.642	0.000	95	390863	25.0	24.9	
34 trans-1,2-Dichloroethene	96	3.666	3.660	0.006	99	144910	25.0	25.7	
33 Acrylonitrile	53	3.721	3.715	0.006	98	531367	250.0	238.3	
35 Hexane	57	3.831	3.831	0.000	91	195662	25.0	24.1	
39 1,1-Dichloroethane	63	4.044	4.044	0.000	96	251835	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	4.081	4.081	0.000	97	625111	50.0	46.0	
44 2,2-Dichloropropane	77	4.501	4.501	0.000	89	165692	25.0	26.0	
45 cis-1,2-Dichloroethene	96	4.532	4.532	0.000	80	161824	25.0	24.9	
43 2-Butanone (MEK)	43	4.556	4.556	0.000	100	343554	125.0	110.6	
48 Chlorobromomethane	128	4.739	4.739	0.000	91	96499	25.0	26.5	
49 Tetrahydrofuran	42	4.751	4.751	0.000	85	84878	50.0	42.6	
50 Chloroform	83	4.800	4.800	0.000	93	272679	25.0	23.4	
51 1,1,1-Trichloroethane	97	4.898	4.898	0.000	98	216807	25.0	24.2	
52 Cyclohexane	56	4.910	4.910	0.000	90	234785	25.0	23.9	
55 Carbon tetrachloride	117	5.019	5.013	0.006	97	194785	25.0	24.2	
54 1,1-Dichloropropene	75	5.026	5.026	0.000	97	189280	25.0	23.8	
53 Isobutyl alcohol	43	5.184	5.184	0.000	93	154848	625.0	595.5	
57 Benzene	78	5.202	5.202	0.000	97	563776	25.0	24.7	
58 1,2-Dichloroethane	62	5.257	5.257	0.000	98	205571	25.0	21.4	
59 n-Heptane	43	5.318	5.318	0.000	92	205665	25.0	22.1	
62 Trichloroethene	95	5.696	5.696	0.000	98	158600	25.0	24.9	
64 Methylcyclohexane	83	5.794	5.794	0.000	90	240155	25.0	25.3	
65 1,2-Dichloropropane	63	5.897	5.897	0.000	97	153627	25.0	24.8	
66 1,4-Dioxane	88	6.001	6.001	0.000	94	30108	500.0	648.0	M
67 Dibromomethane	93	6.013	6.013	0.000	93	110047	25.0	25.1	
68 Dichlorobromomethane	83	6.123	6.123	0.000	99	209562	25.0	25.3	
69 2-Chloroethyl vinyl ether	63	6.324	6.324	0.000	92	61975	25.0	16.8	
72 cis-1,3-Dichloropropene	75	6.452	6.452	0.000	97	249257	25.0	26.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.550	6.550	0.000	96	724147	125.0	107.5	
74 Toluene	92	6.684	6.684	0.000	98	375837	25.0	24.8	
77 trans-1,3-Dichloropropene	75	6.891	6.891	0.000	97	234656	25.0	25.5	
75 Ethyl methacrylate	69	6.903	6.897	0.006	89	193933	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.050	7.050	0.000	90	129260	25.0	25.9	
81 Tetrachloroethene	166	7.104	7.105	0.000	98	189046	25.0	26.8	
82 1,3-Dichloropropane	76	7.178	7.178	0.000	97	237264	25.0	25.0	
80 2-Hexanone	43	7.202	7.202	0.000	95	522738	125.0	107.7	
83 Chlorodibromomethane	129	7.373	7.373	0.000	89	187021	25.0	27.7	
84 Ethylene Dibromide	107	7.470	7.464	0.006	98	173290	25.0	26.4	
87 Chlorobenzene	112	7.824	7.824	0.000	98	444615	25.0	25.1	
88 Ethylbenzene	91	7.879	7.879	0.000	98	709689	25.0	24.5	
89 1,1,1,2-Tetrachloroethane	131	7.891	7.891	0.000	96	162913	25.0	26.5	
90 m-Xylene & p-Xylene	106	7.970	7.970	0.000	99	284194	25.0	25.5	
91 o-Xylene	106	8.305	8.306	0.000	96	275923	25.0	25.4	
92 Styrene	104	8.324	8.324	0.000	95	472738	25.0	25.5	
95 Bromoform	173	8.543	8.537	0.006	99	133529	25.0	30.6	
94 Isopropylbenzene	105	8.592	8.591	0.006	95	708551	25.0	23.1	
101 Bromobenzene	156	8.897	8.902	0.000	87	221707	25.0	24.9	
97 1,1,2,2-Tetrachloroethane	83	8.909	8.915	0.000	92	216899	25.0	23.8	
99 N-Propylbenzene	91	8.933	8.933	0.006	99	859891	25.0	22.7	
98 trans-1,4-Dichloro-2-butene	53	8.946	8.945	0.007	76	51876	25.0	19.8	
100 1,2,3-Trichloropropane	110	8.952	8.951	0.006	85	56552	25.0	22.9	
103 2-Chlorotoluene	126	9.037	9.043	0.000	98	182437	25.0	23.6	
102 1,3,5-Trimethylbenzene	105	9.067	9.073	0.000	93	616948	25.0	23.5	
105 4-Chlorotoluene	126	9.128	9.134	0.000	97	190238	25.0	23.6	
106 tert-Butylbenzene	134	9.348	9.354	0.000	92	121355	25.0	23.0	
107 1,2,4-Trimethylbenzene	105	9.391	9.397	0.000	97	629926	25.0	23.1	
109 sec-Butylbenzene	105	9.525	9.531	0.000	94	777987	25.0	22.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.641	9.647	-0.001	97	685728	25.0	23.2	
111 1,3-Dichlorobenzene	146	9.671	9.677	0.000	97	401538	25.0	24.4	
113 1,4-Dichlorobenzene	146	9.750	9.756	0.000	96	408748	25.0	24.3	
115 n-Butylbenzene	91	9.994	10.000	0.000	98	616292	25.0	22.6	
116 1,2-Dichlorobenzene	146	10.079	10.080	0.006	99	401882	25.0	24.8	
117 1,2-Dibromo-3-Chloropropane	75	10.768	10.775	0.000	90	36605	25.0	24.0	
119 1,2,4-Trichlorobenzene	180	11.408	11.416	0.000	95	309010	25.0	26.9	
120 Hexachlorobutadiene	225	11.500	11.507	0.000	95	165769	25.0	29.2	
121 Naphthalene	128	11.622	11.629	0.000	97	707546	25.0	25.3	
122 1,2,3-Trichlorobenzene	180	11.811	11.818	0.000	96	295005	25.0	27.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00196	Amount Added: 12.50	Units: uL	
GAS CORP mix_00425	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00023	Amount Added: 1.00	Units: uL	Run Reagent

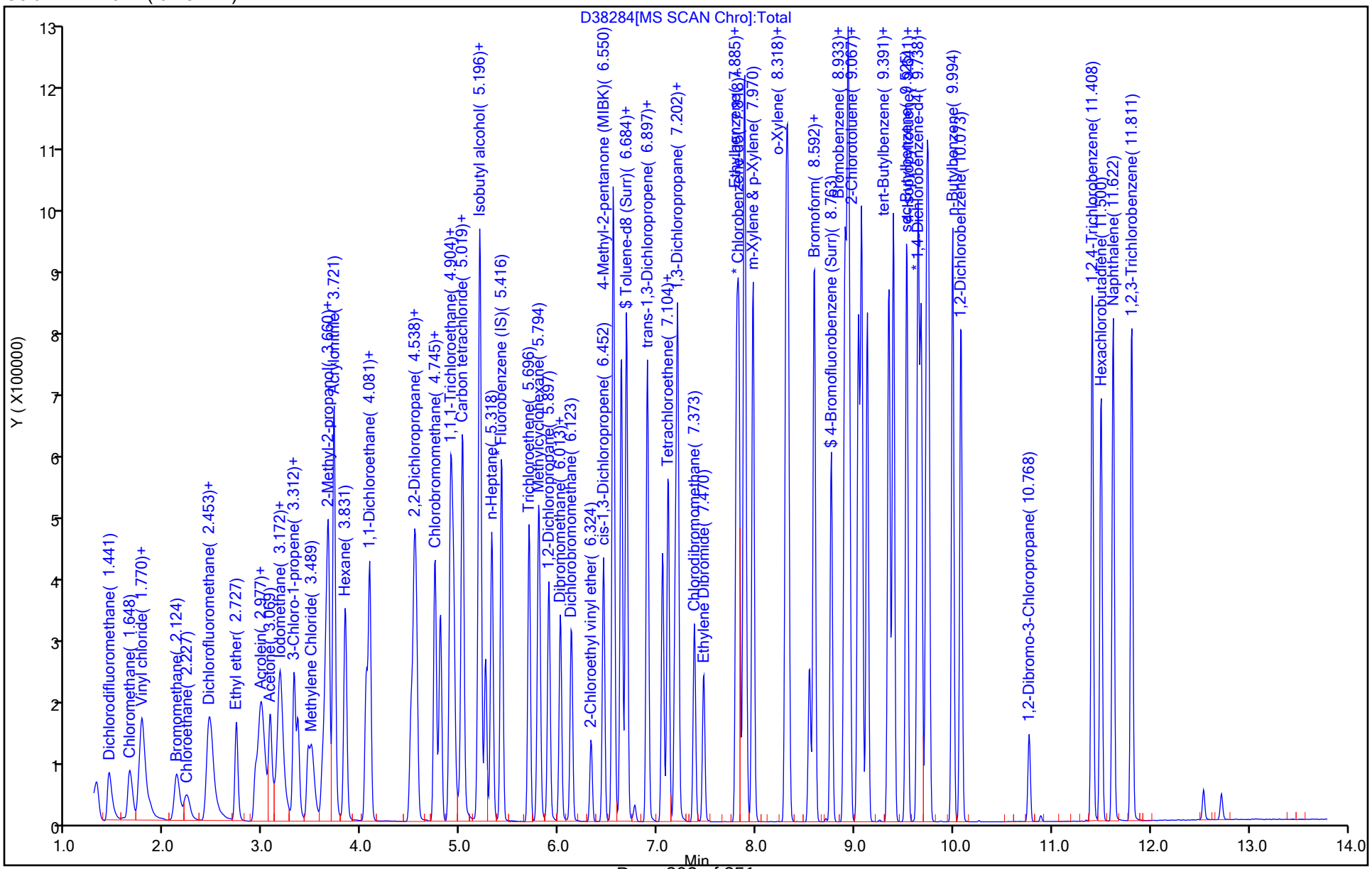
Report Date: 09-Nov-2020 12:27:21 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201109-94814.b\D38284.D

Injection Date:	09-Nov-2020 11:21:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: RW-3 MS Lab Sample ID: 480-177779-3 MS

Matrix: Water Lab File ID: L3969.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:15

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 19:55

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	107		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	104		4.0	0.84
79-00-5	1,1,2-Trichloroethane	105		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	96.2		4.0	1.2
75-34-3	1,1-Dichloroethane	102		4.0	1.5
75-35-4	1,1-Dichloroethene	98.3		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	112		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	127		4.0	1.6
95-50-1	1,2-Dichlorobenzene	107		4.0	3.2
107-06-2	1,2-Dichloroethane	112		4.0	0.84
78-87-5	1,2-Dichloropropane	99.3		4.0	2.9
541-73-1	1,3-Dichlorobenzene	106		4.0	3.1
106-46-7	1,4-Dichlorobenzene	104		4.0	3.4
78-93-3	2-Butanone (MEK)	530		40	5.3
591-78-6	2-Hexanone	577		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	579		20	8.4
67-64-1	Acetone	494		40	12
71-43-2	Benzene	101		4.0	1.6
75-27-4	Bromodichloromethane	113		4.0	1.6
75-25-2	Bromoform	119		4.0	1.0
74-83-9	Bromomethane	73.6		4.0	2.8
75-15-0	Carbon disulfide	91.4		4.0	0.76
56-23-5	Carbon tetrachloride	110		4.0	1.1
108-90-7	Chlorobenzene	105		4.0	3.0
124-48-1	Dibromochloromethane	118		4.0	1.3
75-00-3	Chloroethane	82.3		4.0	1.3
67-66-3	Chloroform	100		4.0	1.4
74-87-3	Chloromethane	93.9		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	106		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	108		4.0	1.4
110-82-7	Cyclohexane	98.9		4.0	0.72
75-71-8	Dichlorodifluoromethane	94.9		4.0	2.7
100-41-4	Ethylbenzene	104		4.0	3.0
106-93-4	1,2-Dibromoethane	107		4.0	2.9
98-82-8	Isopropylbenzene	109		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: RW-3 MS Lab Sample ID: 480-177779-3 MS

Matrix: Water Lab File ID: L3969.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:15

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 19:55

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	206		10	5.2
1634-04-4	Methyl tert-butyl ether	112		4.0	0.64
108-87-2	Methylcyclohexane	96.6		4.0	0.64
75-09-2	Methylene Chloride	89.3		4.0	1.8
100-42-5	Styrene	108		4.0	2.9
127-18-4	Tetrachloroethene	234		4.0	1.4
108-88-3	Toluene	104		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	99.8		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	113		4.0	1.5
79-01-6	Trichloroethene	106		4.0	1.8
75-69-4	Trichlorofluoromethane	104		4.0	3.5
75-01-4	Vinyl chloride	88.1		4.0	3.6
1330-20-7	Xylenes, Total	211		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3969.D
Lims ID: 480-177779-A-3 MS
Client ID:
Sample Type: MS
Inject. Date: 08-Nov-2020 19:55:11 ALS Bottle#: 0 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-177779-A-3 MS
Misc. Info.: 480-0094792-028
Operator ID: OI Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Nov-2020 10:08:28 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: dahnw Date: 09-Nov-2020 10:08:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	208930	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.447	9.446	0.001	86	896385	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	95	471661	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	93	308449	25.0	24.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.231	0.000	98	343858	25.0	26.2	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	95	1108859	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	10.656	10.652	0.004	99	394801	25.0	27.3	
10 Dichlorodifluoromethane	85	2.173	2.170	0.003	99	366708	25.0	23.7	
13 Chloromethane	50	2.437	2.437	0.000	99	341021	25.0	23.5	
14 Vinyl chloride	62	2.572	2.572	0.000	97	354962	25.0	22.0	
18 Bromomethane	94	2.958	2.958	0.000	91	286990	25.0	18.4	
19 Chloroethane	64	3.061	3.061	0.000	99	239998	25.0	20.6	
21 Trichlorofluoromethane	101	3.308	3.312	-0.004	98	566159	25.0	25.9	
29 112TCTFE	101	3.813	3.810	0.003	92	306702	25.0	24.1	
30 1,1-Dichloroethene	96	3.842	3.839	0.003	98	284528	25.0	24.6	
31 Acetone	43	3.935	3.935	0.000	99	517292	125.0	123.5	
35 Carbon disulfide	76	4.083	4.083	0.000	100	877399	25.0	22.8	
38 Methyl acetate	43	4.212	4.209	0.003	98	482144	50.0	51.5	
39 Methylene Chloride	84	4.337	4.337	0.000	92	320475	25.0	22.3	
41 Methyl tert-butyl ether	73	4.517	4.514	0.003	96	937956	25.0	27.9	
42 trans-1,2-Dichloroethene	96	4.559	4.559	0.000	98	334231	25.0	24.9	
50 1,1-Dichloroethane	63	4.961	4.961	0.000	96	545540	25.0	25.4	
57 2-Butanone (MEK)	43	5.482	5.482	0.000	99	833544	125.0	132.6	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	74	384514	25.0	26.6	
62 Chloroform	83	5.762	5.758	0.004	93	595593	25.0	25.1	
64 1,1,1-Trichloroethane	97	5.903	5.903	0.000	98	536741	25.0	26.9	
65 Cyclohexane	56	5.923	5.922	0.001	90	493633	25.0	24.7	
66 Carbon tetrachloride	117	6.038	6.038	0.000	94	491086	25.0	27.4	
70 Benzene	78	6.247	6.247	0.000	97	1239184	25.0	25.4	
72 1,2-Dichloroethane	62	6.299	6.299	0.000	98	491310	25.0	28.0	
75 Trichloroethene	95	6.813	6.813	0.000	96	363320	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83	6.945	6.945	0.000	89	526647	25.0	24.1	
77 1,2-Dichloropropane	63	7.058	7.057	0.001	90	302640	25.0	24.8	
83 Dichlorobromomethane	83	7.321	7.318	0.003	99	450491	25.0	28.3	
85 cis-1,3-Dichloropropene	75	7.717	7.717	0.000	94	507959	25.0	27.0	
87 4-Methyl-2-pentanone (MIBK)	43	7.820	7.820	0.001	96	1783809	125.0	144.7	
88 Toluene	92	8.016	8.016	0.000	98	829111	25.0	25.9	
91 trans-1,3-Dichloropropene	75	8.260	8.257	0.003	97	505795	25.0	28.3	
93 1,1,2-Trichloroethane	83	8.463	8.463	0.000	92	251522	25.0	26.1	
94 Tetrachloroethene	166	8.553	8.553	0.000	96	896399	25.0	58.5	
96 2-Hexanone	43	8.643	8.643	0.000	95	1299100	125.0	144.2	
98 Chlorodibromomethane	129	8.887	8.887	0.000	89	373243	25.0	29.5	
101 Ethylene Dibromide	107	9.022	9.022	0.000	99	342405	25.0	26.7	
103 Chlorobenzene	112	9.479	9.476	0.004	96	965562	25.0	26.3	
104 Ethylbenzene	91	9.537	9.533	0.004	98	1576421	25.0	25.9	
106 m-Xylene & p-Xylene	106	9.649	9.649	0.000	98	636745		26.2	
107 o-Xylene	106	10.090	10.087	0.004	96	615017		26.6	
109 Styrene	104	10.112	10.112	0.000	95	1017004	25.0	27.1	
110 Bromoform	173	10.392	10.392	0.000	96	245230	25.0	29.6	
111 Isopropylbenzene	105	10.440	10.437	0.003	96	1608982	25.0	27.2	
112 1,1,2,2-Tetrachloroethane	83	10.813	10.813	0.000	97	427073	25.0	25.9	
124 1,3-Dichlorobenzene	146	11.681	11.678	0.003	98	812256	25.0	26.6	
126 1,4-Dichlorobenzene	146	11.758	11.759	0.000	95	824387	25.0	25.9	
128 1,2-Dichlorobenzene	146	12.099	12.099	0.000	98	803501	25.0	26.8	
129 1,2-Dibromo-3-Chloropropane	75	12.774	12.775	0.000	93	86850	25.0	31.7	
130 1,2,4-Trichlorobenzene	180	13.443	13.443	0.000	94	538441	25.0	27.9	
S 143 Xylenes, Total	1				0			52.7	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00196	Amount Added:	12.50	Units: uL	
GAS CORP mix_00425	Amount Added:	12.50	Units: uL	
L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 09-Nov-2020 10:08:42 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3969.D

Injection Date: 08-Nov-2020 19:55:11 Instrument ID: HP5977L

Lims ID: 480-177779-A-3 MS

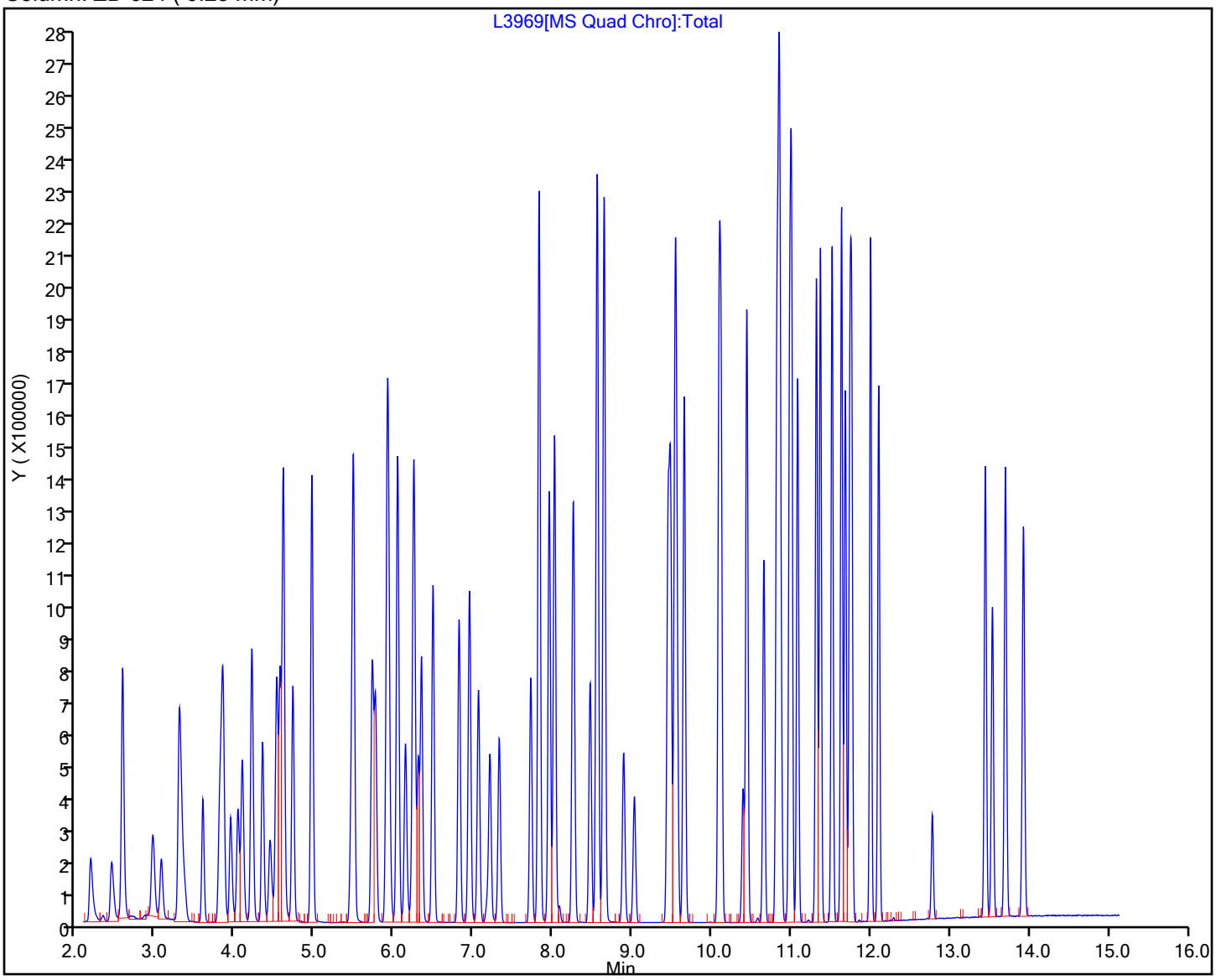
Client ID:

Operator ID: OI ALS Bottle#: 0 Worklist Smp#: 28

Purge Vol: 5.000 mL Dil. Factor: 4.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: RW-3 MSD Lab Sample ID: 480-177779-3 MSD

Matrix: Water Lab File ID: L3970.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:15

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 20:19

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	106		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	93.5		4.0	0.84
79-00-5	1,1,2-Trichloroethane	98.2		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	91.8		4.0	1.2
75-34-3	1,1-Dichloroethane	101		4.0	1.5
75-35-4	1,1-Dichloroethene	95.2		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	98.8		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	117		4.0	1.6
95-50-1	1,2-Dichlorobenzene	96.6		4.0	3.2
107-06-2	1,2-Dichloroethane	112		4.0	0.84
78-87-5	1,2-Dichloropropane	98.8		4.0	2.9
541-73-1	1,3-Dichlorobenzene	95.1		4.0	3.1
106-46-7	1,4-Dichlorobenzene	92.4		4.0	3.4
78-93-3	2-Butanone (MEK)	557		40	5.3
591-78-6	2-Hexanone	575		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	567		20	8.4
67-64-1	Acetone	516		40	12
71-43-2	Benzene	99.6		4.0	1.6
75-27-4	Bromodichloromethane	113		4.0	1.6
75-25-2	Bromoform	116		4.0	1.0
74-83-9	Bromomethane	73.4		4.0	2.8
75-15-0	Carbon disulfide	88.5		4.0	0.76
56-23-5	Carbon tetrachloride	108		4.0	1.1
108-90-7	Chlorobenzene	98.5		4.0	3.0
124-48-1	Dibromochloromethane	113		4.0	1.3
75-00-3	Chloroethane	82.7		4.0	1.3
67-66-3	Chloroform	98.4		4.0	1.4
74-87-3	Chloromethane	93.7		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	104		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	109		4.0	1.4
110-82-7	Cyclohexane	96.1		4.0	0.72
75-71-8	Dichlorodifluoromethane	92.9		4.0	2.7
100-41-4	Ethylbenzene	97.3		4.0	3.0
106-93-4	1,2-Dibromoethane	102		4.0	2.9
98-82-8	Isopropylbenzene	94.9		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Client Sample ID: RW-3 MSD Lab Sample ID: 480-177779-3 MSD

Matrix: Water Lab File ID: L3970.D

Analysis Method: 8260C Date Collected: 11/06/2020 13:15

Sample wt/vol: 5(mL) Date Analyzed: 11/08/2020 20:19

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 557999 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	212		10	5.2
1634-04-4	Methyl tert-butyl ether	112		4.0	0.64
108-87-2	Methylcyclohexane	94.3		4.0	0.64
75-09-2	Methylene Chloride	89.7		4.0	1.8
100-42-5	Styrene	103		4.0	2.9
127-18-4	Tetrachloroethene	214		4.0	1.4
108-88-3	Toluene	97.7		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	98.7		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	107		4.0	1.5
79-01-6	Trichloroethene	103		4.0	1.8
75-69-4	Trichlorofluoromethane	102		4.0	3.5
75-01-4	Vinyl chloride	87.7		4.0	3.6
1330-20-7	Xylenes, Total	199		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3970.D
Lims ID: 480-177779-A-3 MSD
Client ID:
Sample Type: MSD
Inject. Date: 08-Nov-2020 20:19:59 ALS Bottle#: 0 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-177779-A-3 MSD
Misc. Info.: 480-0094792-029
Operator ID: OI Instrument ID: HP5977L

Method: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Nov-2020 10:08:28 Calib Date: 27-Oct-2020 21:37:47
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5977L\20201027-94477.b\L3510.D

Column 1 : ZB-624 (0.25 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: dahnw Date: 09-Nov-2020 10:08:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Fluorobenzene (IS)	70	6.485	6.485	0.000	99	206410	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.447	9.446	0.001	85	927220	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	11.736	11.736	0.000	94	526232	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	5.913	5.913	0.000	93	312078	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.231	6.231	0.000	97	354557	25.0	27.4	
$ 6 Toluene-d8 (Surr)	98	7.948	7.948	0.000	94	1106487	25.0	24.1	
$ 7 4-Bromofluorobenzene (Surr)	174	10.652	10.652	0.000	99	396101	25.0	26.4	
10 Dichlorodifluoromethane	85	2.174	2.170	0.004	99	354707	25.0	23.2	
13 Chloromethane	50	2.440	2.437	0.003	99	336138	25.0	23.4	
14 Vinyl chloride	62	2.575	2.572	0.003	67	349179	25.0	21.9	
18 Bromomethane	94	2.958	2.958	0.000	91	282494	25.0	18.3	
19 Chloroethane	64	3.061	3.061	0.000	99	238388	25.0	20.7	
21 Trichlorofluoromethane	101	3.312	3.312	0.000	98	551895	25.0	25.5	
29 112TCTFE	101	3.813	3.810	0.003	92	289072	25.0	23.0	
30 1,1-Dichloroethene	96	3.842	3.839	0.003	98	272395	25.0	23.8	
31 Acetone	43	3.936	3.935	0.001	99	533273	125.0	128.9	
35 Carbon disulfide	76	4.083	4.083	0.000	100	839832	25.0	22.1	
38 Methyl acetate	43	4.212	4.209	0.003	97	489998	50.0	53.0	
39 Methylene Chloride	84	4.337	4.337	0.000	91	317821	25.0	22.4	
41 Methyl tert-butyl ether	73	4.518	4.514	0.004	96	929218	25.0	28.0	
42 trans-1,2-Dichloroethene	96	4.559	4.559	0.000	98	326462	25.0	24.7	
50 1,1-Dichloroethane	63	4.958	4.961	-0.003	95	533180	25.0	25.2	
57 2-Butanone (MEK)	43	5.482	5.482	0.000	99	864467	125.0	139.2	
58 cis-1,2-Dichloroethene	96	5.482	5.482	0.000	85	372619	25.0	26.1	
62 Chloroform	83	5.762	5.758	0.004	93	577577	25.0	24.6	
64 1,1,1-Trichloroethane	97	5.903	5.903	0.000	98	522721	25.0	26.5	
65 Cyclohexane	56	5.923	5.922	0.001	89	473842	25.0	24.0	
66 Carbon tetrachloride	117	6.038	6.038	0.000	92	480482	25.0	27.1	
70 Benzene	78	6.247	6.247	0.000	97	1202525	25.0	24.9	
72 1,2-Dichloroethane	62	6.299	6.299	0.000	98	482744	25.0	27.9	
75 Trichloroethene	95	6.813	6.813	0.000	96	348139	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
76 Methylcyclohexane	83	6.945	6.945	0.000	89	508061	25.0	23.6	
77 1,2-Dichloropropane	63	7.058	7.057	0.001	91	297422	25.0	24.7	
83 Dichlorobromomethane	83	7.321	7.318	0.003	99	444438	25.0	28.3	
85 cis-1,3-Dichloropropene	75	7.717	7.717	0.000	94	506177	25.0	27.2	
87 4-Methyl-2-pentanone (MIBK)	43	7.823	7.820	0.004	96	1807211	125.0	141.7	
88 Toluene	92	8.016	8.016	0.000	98	809536	25.0	24.4	
91 trans-1,3-Dichloropropene	75	8.260	8.257	0.003	97	494653	25.0	26.8	
93 1,1,2-Trichloroethane	83	8.466	8.463	0.003	93	244374	25.0	24.6	
94 Tetrachloroethene	166	8.556	8.553	0.003	96	847335	25.0	53.5	
96 2-Hexanone	43	8.643	8.643	0.000	94	1339138	125.0	143.7	
98 Chlorodibromomethane	129	8.887	8.887	0.000	90	369172	25.0	28.2	
101 Ethylene Dibromide	107	9.022	9.022	0.000	99	338224	25.0	25.5	
103 Chlorobenzene	112	9.476	9.476	0.001	98	936231	25.0	24.6	
104 Ethylbenzene	91	9.537	9.533	0.004	98	1533519	25.0	24.3	
106 m-Xylene & p-Xylene	106	9.649	9.649	0.000	98	617144		24.5	
107 o-Xylene	106	10.090	10.087	0.004	95	601889		25.1	
109 Styrene	104	10.112	10.112	0.000	95	999730	25.0	25.7	
110 Bromoform	173	10.392	10.392	0.000	96	248085	25.0	29.0	
111 Isopropylbenzene	105	10.440	10.437	0.003	96	1567610	25.0	23.7	
112 1,1,2,2-Tetrachloroethane	83	10.813	10.813	0.000	97	430218	25.0	23.4	
124 1,3-Dichlorobenzene	146	11.678	11.678	0.000	98	810020	25.0	23.8	
126 1,4-Dichlorobenzene	146	11.759	11.759	0.000	96	819842	25.0	23.1	
128 1,2-Dichlorobenzene	146	12.099	12.099	0.000	98	807072	25.0	24.2	
129 1,2-Dibromo-3-Chloropropane	75	12.775	12.775	0.001	86	89197	25.0	29.2	
130 1,2,4-Trichlorobenzene	180	13.443	13.443	0.000	94	530635	25.0	24.7	
S 143 Xylenes, Total	1				0			49.7	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00196	Amount Added:	12.50	Units: uL	
GAS CORP mix_00425	Amount Added:	12.50	Units: uL	
L_8260_SURR_00020	Amount Added:	2.00	Units: uL	Run Reagent
L_8260_IS_00021	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 09-Nov-2020 10:08:55 Chrom Revision: 2.3 14-Oct-2020 14:51:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5977L\20201108-94792.b\L3970.D

Injection Date: 08-Nov-2020 20:19:59 Instrument ID: HP5977L

Lims ID: 480-177779-A-3 MSD

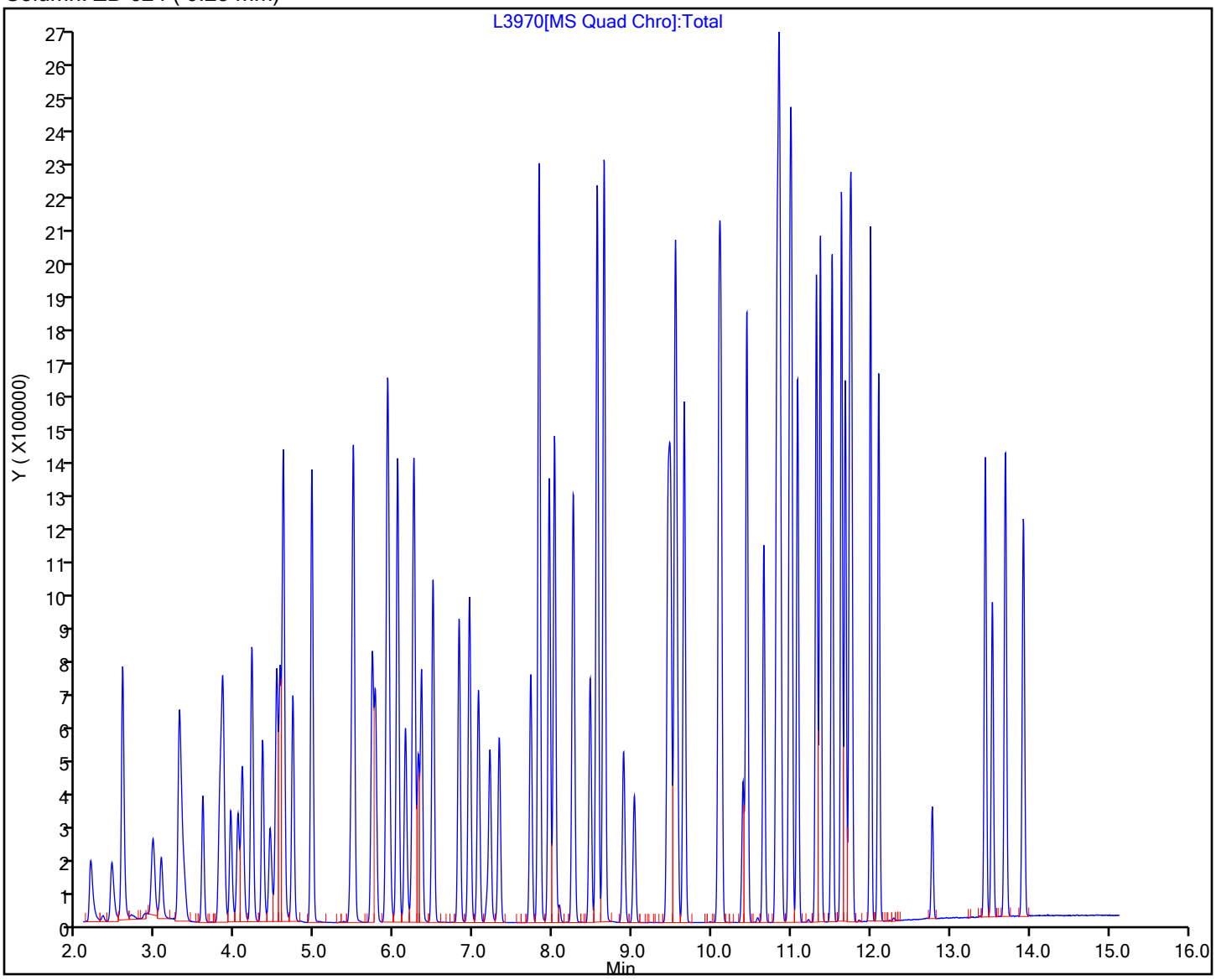
Client ID:

Operator ID: OI ALS Bottle#: 0 Worklist Smp#: 29

Purge Vol: 5.000 mL Dil. Factor: 4.0000

Method: L-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Instrument ID: HP5975D Start Date: 10/10/2020 10:53

Analysis Batch Number: 553342 End Date: 10/10/2020 21:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-553342/5		10/10/2020 10:53	1	D36991.D	ZB-624 (20) 0.18(mm)
IC 480-553342/10		10/10/2020 12:52	1	D36996.D	ZB-624 (20) 0.18(mm)
IC 480-553342/11		10/10/2020 13:16	1	D36997.D	ZB-624 (20) 0.18(mm)
IC 480-553342/12		10/10/2020 13:39	1	D36998.D	ZB-624 (20) 0.18(mm)
IC 480-553342/13		10/10/2020 14:02	1	D36999.D	ZB-624 (20) 0.18(mm)
IC 480-553342/14		10/10/2020 14:25	1	D37000.D	ZB-624 (20) 0.18(mm)
ICIS 480-553342/15		10/10/2020 14:49	1	D37001.D	ZB-624 (20) 0.18(mm)
IC 480-553342/16		10/10/2020 15:12	1	D37002.D	ZB-624 (20) 0.18(mm)
IC 480-553342/17		10/10/2020 15:35	1	D37003.D	ZB-624 (20) 0.18(mm)
MDLV 480-553342/19		10/10/2020 16:22	1		ZB-624 (20) 0.18(mm)
IC 480-553342/22		10/10/2020 17:32	1		ZB-624 (20) 0.18(mm)
IC 480-553342/23		10/10/2020 17:55	1		ZB-624 (20) 0.18(mm)
IC 480-553342/24		10/10/2020 18:18	1		ZB-624 (20) 0.18(mm)
IC 480-553342/25		10/10/2020 18:42	1		ZB-624 (20) 0.18(mm)
IC 480-553342/26		10/10/2020 19:05	1		ZB-624 (20) 0.18(mm)
IC 480-553342/27		10/10/2020 19:28	1		ZB-624 (20) 0.18(mm)
IC 480-553342/28		10/10/2020 19:51	1		ZB-624 (20) 0.18(mm)
MDLV 480-553342/30		10/10/2020 20:38	1		ZB-624 (20) 0.18(mm)
ICV 480-553342/31		10/10/2020 21:01	1	D37017.D	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Instrument ID: HP5975D Start Date: 11/09/2020 10:11

Analysis Batch Number: 558106 End Date: 11/09/2020 20:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-558106/2		11/09/2020 10:11	1	D38281.D	ZB-624 (20) 0.18(mm)
CCVIS 480-558106/3		11/09/2020 10:35	1	D38282.D	ZB-624 (20) 0.18(mm)
CCV 480-558106/4		11/09/2020 10:58	1		ZB-624 (20) 0.18(mm)
LCS 480-558106/5		11/09/2020 11:21	1	D38284.D	ZB-624 (20) 0.18(mm)
RL 480-558106/6		11/09/2020 11:45	1		ZB-624 (20) 0.18(mm)
MB 480-558106/7		11/09/2020 12:08	1	D38286.D	ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 12:55	1		ZB-624 (20) 0.18(mm)
480-177779-1	RW-1	11/09/2020 13:18	1	D38288.D	ZB-624 (20) 0.18(mm)
480-177779-4	DUP	11/09/2020 13:41	1	D38289.D	ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 14:04	2		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 14:27	2		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 14:50	50		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 15:13	50		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 15:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 16:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 16:23	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 16:46	2		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 17:09	2		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 17:32	10		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 17:55	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 18:19	50		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 18:42	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 19:05	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 19:29	2		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 19:52	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 20:15	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/09/2020 20:39	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Instrument ID: HP5977L Start Date: 10/27/2020 13:24

Analysis Batch Number: 555950 End Date: 10/27/2020 23:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-555950/9		10/27/2020 13:24	1	L3490.D	ZB-624 (30) VOA 0.25(mm)
IC 480-555950/11		10/27/2020 14:14	1	L3492.D	ZB-624 (30) VOA 0.25(mm)
IC 480-555950/12		10/27/2020 14:39	1	L3493.D	ZB-624 (30) VOA 0.25(mm)
IC 480-555950/13		10/27/2020 15:03	1	L3494.D	ZB-624 (30) VOA 0.25(mm)
IC 480-555950/14		10/27/2020 15:28	1	L3495.D	ZB-624 (30) VOA 0.25(mm)
IC 480-555950/15		10/27/2020 15:52	1	L3496.D	ZB-624 (30) VOA 0.25(mm)
ICIS 480-555950/16		10/27/2020 16:17	1	L3497.D	ZB-624 (30) VOA 0.25(mm)
IC 480-555950/17		10/27/2020 16:42	1	L3498.D	ZB-624 (30) VOA 0.25(mm)
IC 480-555950/18		10/27/2020 17:06	1	L3499.D	ZB-624 (30) VOA 0.25(mm)
MDLV 480-555950/20		10/27/2020 17:55	1		ZB-624 (30) VOA 0.25(mm)
IC 480-555950/23		10/27/2020 19:10	1		ZB-624 (30) VOA 0.25(mm)
IC 480-555950/24		10/27/2020 19:34	1		ZB-624 (30) VOA 0.25(mm)
IC 480-555950/25		10/27/2020 19:59	1		ZB-624 (30) VOA 0.25(mm)
IC 480-555950/26		10/27/2020 20:24	1		ZB-624 (30) VOA 0.25(mm)
IC 480-555950/27		10/27/2020 20:48	1		ZB-624 (30) VOA 0.25(mm)
IC 480-555950/28		10/27/2020 21:12	1		ZB-624 (30) VOA 0.25(mm)
IC 480-555950/29		10/27/2020 21:37	1		ZB-624 (30) VOA 0.25(mm)
MDLV 480-555950/31		10/27/2020 22:28	1		ZB-624 (30) VOA 0.25(mm)
ICV 480-555950/32		10/27/2020 22:53	1	L3513.D	ZB-624 (30) VOA 0.25(mm)
ICV 480-555950/33		10/27/2020 23:17	1		ZB-624 (30) VOA 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Instrument ID: HP5977L Start Date: 11/08/2020 09:04

Analysis Batch Number: 557999 End Date: 11/08/2020 20:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-557999/2		11/08/2020 09:04	1	L3943.D	ZB-624 (30) VOA 0.25(mm)
CCVIS 480-557999/3		11/08/2020 09:28	1	L3944.D	ZB-624 (30) VOA 0.25(mm)
CCV 480-557999/4		11/08/2020 09:53	1		ZB-624 (30) VOA 0.25(mm)
LCS 480-557999/5		11/08/2020 10:17	1	L3946.D	ZB-624 (30) VOA 0.25(mm)
MB 480-557999/7		11/08/2020 11:06	1	L3948.D	ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 11:39	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 12:04	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 12:29	4		ZB-624 (30) VOA 0.25(mm)
480-177779-2	RW-2	11/08/2020 12:54	1	L3952.D	ZB-624 (30) VOA 0.25(mm)
480-177779-3	RW-3	11/08/2020 13:19	4	L3953.D	ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 13:44	4		ZB-624 (30) VOA 0.25(mm)
480-177779-5	EFFLUENT	11/08/2020 14:09	1	L3955.D	ZB-624 (30) VOA 0.25(mm)
480-177779-6	TRIP BLANK	11/08/2020 14:33	1	L3956.D	ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 14:58	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 15:23	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 15:47	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 16:12	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 16:37	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 17:01	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 17:26	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 17:51	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 18:15	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 18:40	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 19:05	1		ZB-624 (30) VOA 0.25(mm)
ZZZZZ		11/08/2020 19:30	1		ZB-624 (30) VOA 0.25(mm)
480-177779-3 MS	RW-3 MS	11/08/2020 19:55	4	L3969.D	ZB-624 (30) VOA 0.25(mm)
480-177779-3 MSD	RW-3 MSD	11/08/2020 20:19	4	L3970.D	ZB-624 (30) VOA 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Batch Number: 553342 Batch Start Date: 10/10/20 10:53 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00195	BFB_WRK 00110	D 8260 IS/SUR 00022	GAS CORP mix 00421
BFB 480-553342/5		8260C		1 uL	1 uL		1 uL		
IC 480-553342/10		8260C		5 mL	5 mL	0.4 uL		1 uL	0.4 uL
IC 480-553342/11		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-553342/12		8260C		5 mL	5 mL	2 uL		1 uL	2 uL
IC 480-553342/13		8260C		5 mL	5 mL	5 uL		1 uL	5 uL
IC 480-553342/14		8260C		5 mL	5 mL	5 uL		1 uL	5 uL
ICIS 480-553342/15		8260C		5 mL	5 mL	12.5 uL		1 uL	12.5 uL
IC 480-553342/16		8260C		5 mL	5 mL	25 uL		1 uL	25 uL
IC 480-553342/17		8260C		5 mL	5 mL	50 uL		1 uL	50 uL
ICV 480-553342/31		8260C		5 mL	5 mL			1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	SS 8260 CORP 00087	SS GAS CORP 00372				
BFB 480-553342/5		8260C							
IC 480-553342/10		8260C							
IC 480-553342/11		8260C							
IC 480-553342/12		8260C							
IC 480-553342/13		8260C							
IC 480-553342/14		8260C							
ICIS 480-553342/15		8260C							
IC 480-553342/16		8260C							
IC 480-553342/17		8260C							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Batch Number: 553342 Batch Start Date: 10/10/20 10:53 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	SS 8260 CORP 00087	SS GAS CORP 00372				
ICV 480-553342/31		8260C		12.5 uL	12.5 uL				

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Batch Number: 555950 Batch Start Date: 10/27/20 13:24 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00196	BFB_WRK 00111	GAS CORP mix 00424	L_8260_IS 00021
BFB 480-555950/9		8260C		1 uL	1 uL		1 uL		
IC 480-555950/11		8260C		5 mL	5 mL	0.4 uL		0.4 uL	2 uL
IC 480-555950/12		8260C		5 mL	5 mL	1 uL		1 uL	2 uL
IC 480-555950/13		8260C		5 mL	5 mL	2 uL		2 uL	2 uL
IC 480-555950/14		8260C		5 mL	5 mL	5 uL		5 uL	2 uL
IC 480-555950/15		8260C		5 mL	5 mL	5 uL		5 uL	2 uL
ICIS 480-555950/16		8260C		5 mL	5 mL	12.5 uL		12.5 uL	2 uL
IC 480-555950/17		8260C		5 mL	5 mL	25 uL		25 uL	2 uL
IC 480-555950/18		8260C		5 mL	5 mL	50 uL		50 uL	2 uL
ICV 480-555950/32		8260C		5 mL	5 mL				2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	L_8260_SURR 00020	SS 8260 CORP 00087	SS GAS CORP 00375			
BFB 480-555950/9		8260C							
IC 480-555950/11		8260C		2 uL					
IC 480-555950/12		8260C		2 uL					
IC 480-555950/13		8260C		2 uL					
IC 480-555950/14		8260C		2 uL					
IC 480-555950/15		8260C		2 uL					
ICIS 480-555950/16		8260C		2 uL					
IC 480-555950/17		8260C		2 uL					
IC 480-555950/18		8260C		2 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Batch Number: 555950 Batch Start Date: 10/27/20 13:24 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	L_8260_SURR 00020	SS 8260 CORP 00087	SS GAS CORP 00375			
ICV 480-555950/32		8260C		2 uL	12.5 uL	12.5 uL			

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Batch Number: 557999 Batch Start Date: 11/08/20 09:04 Batch Analyst: Dahn, William J

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00196	BFB_WRK 00112	GAS CORP mix 00425
BFB 480-557999/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-557999/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-557999/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-557999/7		8260C		5 mL	5 mL				
480-177779-A-2	RW-2	8260C	T	5 mL	5 mL	<2 SU			
480-177779-A-3	RW-3	8260C	T	5 mL	5 mL	<2 SU			
480-177779-A-5	EFFLUENT	8260C	T	5 mL	5 mL	<2 SU			
480-177779-A-6	TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			
480-177779-A-3 MS	RW-3	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-177779-A-3 MSD	RW-3	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	L_8260_IS 00021	L_8260_SURR 00020	AnalysisComment			
BFB 480-557999/2		8260C							
CCVIS 480-557999/3		8260C		2 uL	2 uL				
LCS 480-557999/5		8260C		2 uL	2 uL				
MB 480-557999/7		8260C		2 uL	2 uL				
480-177779-A-2	RW-2	8260C	T	2 uL	2 uL				
480-177779-A-3	RW-3	8260C	T	2 uL	2 uL	TARGETS			
480-177779-A-5	EFFLUENT	8260C	T	2 uL	2 uL				
480-177779-A-6	TRIP BLANK	8260C	T	2 uL	2 uL				
480-177779-A-3 MS	RW-3	8260C	T	2 uL	2 uL	BATCH QC			
480-177779-A-3 MSD	RW-3	8260C	T	2 uL	2 uL	BATCH QC			

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Batch Number: 557999 Batch Start Date: 11/08/20 09:04 Batch Analyst: Dahn, William J

Batch Method: 8260C Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Batch Number: 558106 Batch Start Date: 11/09/20 10:11 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00196	BFB_WRK 00112	D 8260 IS/SUR 00023
BFB 480-558106/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-558106/3		8260C		5 mL	5 mL		12.5 uL		1 uL
LCS 480-558106/5		8260C		5 mL	5 mL		12.5 uL		1 uL
MB 480-558106/7		8260C		5 mL	5 mL				1 uL
480-177779-B-1	RW-1	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-177779-B-4	DUP	8260C	T	5 mL	5 mL	<2 SU			1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00425					
BFB 480-558106/2		8260C							
CCVIS 480-558106/3		8260C		12.5 uL					
LCS 480-558106/5		8260C		12.5 uL					
MB 480-558106/7		8260C							
480-177779-B-1	RW-1	8260C	T						
480-177779-B-4	DUP	8260C	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-177779-1

SDG No.:

Project: Roxy Cleaners #442024

Client Sample ID	Lab Sample ID
RW-1	480-177779-1
RW-2	480-177779-2

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-1 Lab Sample ID: 480-177779-1

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG ID.:

Matrix: Water Date Sampled: 11/06/2020 13:05

Reporting Basis: WET Date Received: 11/07/2020 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	6.7	1.0	0.43	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-2 Lab Sample ID: 480-177779-2

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG ID.:

Matrix: Water Date Sampled: 11/06/2020 13:10

Reporting Basis: WET Date Received: 11/07/2020 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	1.0	1.0	0.43	mg/L			1	SM 5310C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Analyst: CLA Batch Start Date: 11/14/2020

Reporting Units: mg/L Analytical Batch No.: 559505

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
2	ICV	16:46	Total Organic Carbon	62.09	60.0	103	90-110		TOC_CCV_00128
3	ICB	17:02	Total Organic Carbon	ND					
49	CCV	04:58	Total Organic Carbon	61.27	60.0	102	90-110		TOC_CCV_00128
50	CCB	05:14	Total Organic Carbon	ND					
61	CCV	07:59	Total Organic Carbon	60.69	60.0	101	90-110		TOC_CCV_00128
62	CCB	08:14	Total Organic Carbon	ND					
73	CCV	10:59	Total Organic Carbon	60.54	60.0	101	90-110		TOC_CCV_00128
74	CCB	11:15	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 559505 Date: 11/15/2020 05:28							
SM 5310C	MB 480-559505/51	Total Organic Carbon	ND		mg/L	1.0	1

FORM III-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 559505 Date: 11/15/2020 05:44											
						LCS Source: TOC_LCS_00126					
SM 5310C	LCS 480-559505/52	Total Organic Carbon	60.26		mg/L	60.0	100	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-177779-1

SDG Number:

Matrix: Water Instrument ID: TOC10301

Method: SM 5310C MDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Organic Carbon		1	0.434

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-177779-1

SDG Number:

Matrix: Water Instrument ID: TOC10301

Method: SM 5310C XMDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon		1	0.434

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Instrument ID: TOC10301 Method: SM 5310C

Start Date: 11/14/2020 16:31 End Date: 11/15/2020 11:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOC																			
RINSE 480-559505/1			16:31																				
ICV 480-559505/2	1		16:46	X																			
ICB 480-559505/3	1		17:02	X																			
ZZZZZZ			17:16																				
ZZZZZZ			17:32																				
ZZZZZZ			17:48																				
ZZZZZZ			18:19																				
ZZZZZZ			18:35																				
ZZZZZZ			18:50																				
ZZZZZZ			19:05																				
ZZZZZZ			19:21																				
ZZZZZZ			19:37																				
CCV 480-559505/13			19:51																				
CCB 480-559505/14			20:06																				
ZZZZZZ			20:23																				
ZZZZZZ			20:38																				
ZZZZZZ			20:53																				
ZZZZZZ			21:07																				
ZZZZZZ			21:22																				
ZZZZZZ			21:39																				
ZZZZZZ			21:55																				
ZZZZZZ			22:10																				
ZZZZZZ			22:26																				
ZZZZZZ			22:42																				
CCV 480-559505/25			22:56																				
CCB 480-559505/26			23:12																				
ZZZZZZ			23:27																				
ZZZZZZ			23:42																				
ZZZZZZ			23:58																				
ZZZZZZ			00:13																				
ZZZZZZ			00:28																				
ZZZZZZ			00:43																				
ZZZZZZ			00:58																				
ZZZZZZ			01:12																				
ZZZZZZ			01:28																				
ZZZZZZ			01:43																				
CCV 480-559505/37			01:58																				
CCB 480-559505/38			02:14																				
ZZZZZZ			02:29																				
ZZZZZZ			02:44																				
ZZZZZZ			02:59																				
ZZZZZZ			03:14																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Instrument ID: TOC10301 Method: SM 5310C

Start Date: 11/14/2020 16:31 End Date: 11/15/2020 11:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			03:28																				
ZZZZZZ			03:43																				
ZZZZZZ			03:58																				
ZZZZZZ			04:13																				
ZZZZZZ			04:28																				
ZZZZZZ			04:43																				
CCV 480-559505/49	1		04:58	X																			
CCB 480-559505/50	1		05:14	X																			
MB 480-559505/51	1	T	05:28	X																			
LCS 480-559505/52	1	T	05:44	X																			
ZZZZZZ			05:59																				
ZZZZZZ			06:13																				
ZZZZZZ			06:28																				
ZZZZZZ			06:43																				
ZZZZZZ			06:58																				
ZZZZZZ			07:13																				
ZZZZZZ			07:28																				
ZZZZZZ			07:43																				
CCV 480-559505/61	1		07:59	X																			
CCB 480-559505/62	1		08:14	X																			
ZZZZZZ			08:29																				
ZZZZZZ			08:44																				
ZZZZZZ			08:59																				
ZZZZZZ			09:14																				
ZZZZZZ			09:29																				
ZZZZZZ			09:44																				
ZZZZZZ			09:59																				
ZZZZZZ			10:14																				
480-177779-1	1	T	10:29	X																			
480-177779-2	1	T	10:44	X																			
CCV 480-559505/73	1		10:59	X																			
CCB 480-559505/74	1		11:15	X																			
CCVL 480-559505/75			11:30																				

Prep Types

T = Total/NA

TOC Wheel Worksheet

BATCH # 559505
Instrument # 1
SRF # 53036

Method 5310
File Name 20201114A

	Sample ID	Dil	pH	Comment
1	Rinse			
2	CCV			
3	CCB			
4	MB			
5	LCS			
6	177450-A-9			
7	7450-A-9 TIC			
8	177628-I-5	80	adj	0.5mL → 40mL
9	7628-I-5MS	80	adj	↓
10	7628-I-5MSD	80	adj	
11	177662-C-2			
12	177546-AA-1	4	adj	10mL → 40mL
13	177562-B-1	20	adj	2mL → 40mL
14	CCV			
15	CCB			
16	177628-I-2	8		5mL → 40mL
17	7628-I-3	40	adj	1mL → 40mL
18	177704-P-1		adj	
19	7704-P-2			
20	7704-P-3			
21	177711-I-2	10	adj	4mL → 40mL COD x2
22	7711-I-3	20	adj	2mL → 40mL COD x2
23	7711-I-4	20		↓ COD
24	7711-I-5	50	adj	800mL → 40mL COD
25	7711-I-6	50	adj	↓ COD
26	CCV			
27	CCB			
28	MB			
29	LCS			
30	177729-F-1			
31	7729-F-1 MS	2		20mL → 40mL
32	7729-F-1MSD	2		↓
33	177730-T-1			
34	7730-T-2			
35	7730-T-3			
36	177733-HC-1			
37	177729-F-2			
38	CCV			
39	CCB			
40	177743-R-1			
41	177748-I-1			
42	7748-I-2			
43	7748-I-3			
44	7748-I-4			
45	7748-I-5			

595505

5310

46	177748-I-6			
47	7748-I-7			
48	7748-I-8			
49	177755-F-1			
50	CCV			
51	CCB			
52	MB			
53	LCS			
54	177755-F-2			
55	7755-A-2MS	2		20mL → 40-L
56	7755-A-2MSD	2		1
57	7755-F-3			
58	7755-F-4			
59	7755-F-5			
60	7755-F-6			
61	7755-F-7			
62	CCV			
63	CCB			
64	177755-F-8			
65	7755-F-9			
66	7755-F10			
67	7755-F-11			
68	7755-F-12			
69	7755-F-13			
70	177764-B-1			
71	7764-B-2			
72	177779-D-1			
73	7779-D-2			
74	CCV			
75	CCB			
76	~~MB~~ CCVL	CA	14	NOV 20
77	LCS			
78				
79				
80				
81				
82				
83				
84				
85				
86	CCV			
87	CCB			

FINO

Date 14 NOV 20

Analyst CA

TIC 5952235

MS 6154730

CCV 6233425

LCS 6233426

All pH <2 CA

pipette (1000 uL) M 35907C

acid 5977530

sodium persulfate 6217350

phosphoric acid 6154753

User ID:toc	Name:Total Organic Carbon
Title:Mr	Dept:OIC-TOC

Calibration - Quick View -TOC

Revision:	1-20201113cal - Nov 13, 2020; 07-45-11 PM
Modified By:	toc
Date Created:	2020/11/13; 07:49 PM
Last Modified:	2020/11/14; 11:31 AM
Last Calibrated:	2020/11/13; 10:30 PM
RF(ugC/k-cnt):	0.3776
R2:	0.9984
Reagent Blank(cts):	2,187
Offset Area(cts):	2,901
Offset Mass(ugC):	-1.10

Std #	Conc (PPM)	Volume (mL)	# Reps	Area	Std. Dev	%RSD	Date Analysed
RW	0.000	2.000	2	2,832	209	7.39	2020-11-13; 08:51PM
1	1.000	2.000	2	9,323	404	4.33	2020-11-13; 09:06PM
2	2.000	2.000	2	16,458	64	0.39	2020-11-13; 09:21PM
3	5.000	2.000	2	30,371	61	0.20	2020-11-13; 09:36PM
4	10.000	2.000	2	58,068	543	0.94	2020-11-13; 09:52PM
5	50.000	2.000	2	272,547	3,714	1.36	2020-11-13; 10:06PM
6	100.000	2.000	2	522,540	12,502	2.39	2020-11-13; 10:23PM

ICV > in batch 559505

ICB

stds 6154729

$Na_2(SO_4)$ 62 173 50

HNO_3 ca 14 NOV 20

H_3PO_4 6154753

OI Corporation TOC Reporter 11-17-2020 01:34 PM

Instrument ID: A547730578 Wet-Chemistry

559505

User ID:toc	Name: Total Organic Carbon
Title:Mr	Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)	
2	Rinse	11/14/2020 4:31:13PM	1	2930	0.011	0.005	
		11/14/2020 4:36:54PM	2	2580	0.000	0.000	
			Avg	2755	0.010	0.003	
			Std. Dev	247			
			%RSD	8.97			
3	ICV	11/14/2020 4:46:07PM	1	334883	125.366	62.683	
		11/14/2020 4:52:51PM	2	328555	122.976	61.488	
			Avg	331719	124.170	62.086	
			Std. Dev	4474			
			%RSD	1.35			
4	ICB	11/14/2020 5:02:06PM	1	3730	0.313	0.157	
		11/14/2020 5:07:18PM	2	3091	0.072	0.036	
			Avg	3410	0.190	0.097	ok
			Std. Dev	452			
			%RSD	13.24			
5	MB	11/14/2020 5:16:54PM	1	2741	0.000	0.000	
		11/14/2020 5:23:37PM	2	3318	0.157	0.079	
			Avg	3030	0.080	0.040	ok
			Std. Dev	408			
			%RSD	13.47			
6	LCS	11/14/2020 5:32:08PM	1	333031	124.666	62.333	
		11/14/2020 5:38:49PM	2	325030	121.645	60.823	
			Avg	329030	123.160	61.578	
			Std. Dev	5657			
			%RSD	1.72			
7	480-177450-A-9	11/14/2020 5:48:22PM	1	15834	4.884	2.442	
		11/14/2020 5:53:50PM	2	15599	4.795	2.398	
			Avg	15716	4.840	2.420	
			Std. Dev	166			
			%RSD	1.06			
8	480-177450-A-9 TIC	11/14/2020 6:03:08PM	1	14033	4.204	2.102	
		11/14/2020 6:09:32PM	2	14504	4.382	2.191	TIC
			Avg	14269	4.290	2.147	PASS
			Std. Dev	334			
			%RSD	2.34			
9	480-177628-I-5^80	11/14/2020 6:19:41PM	1	261701	97.730	48.865	
		11/14/2020 6:25:47PM	2	260795	97.388	48.694	
			Avg	261248	97.560	48.779	
			Std. Dev	641			
			%RSD	0.25			
10	480-177628-I-5 MS^80	11/14/2020 6:35:19PM	1	406687	152.481	76.241	
		11/14/2020 6:41:25PM	2	400922	150.304	75.152	

Denotes First Failed Samples

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	403805	151.390	75.696
			Std. Dev	4076		
			%RSD	1.01		
11	480-177628-I-5 MSD^80 ok	11/14/2020 6:50:59PM	1	404537	151.669	75.835
		11/14/2020 6:57:13PM	2	397926	149.173	74.586
			Avg	401232	150.420	75.211
			Std. Dev	4674		
			%RSD	1.17		
12	480-177662-C-2	11/14/2020 7:05:00PM	1	24381	8.112	4.056
		11/14/2020 7:11:13PM	2	22975	7.581	3.790
			Avg	23678	7.850	3.923
			Std. Dev	995		
			%RSD	4.20		
13	480-177546-AA-1^4 ok	11/14/2020 7:21:27PM	1	235235	87.736	43.867
		11/14/2020 7:27:40PM	2	231810	86.443	43.221
			Avg	233523	87.090	43.544
			Std. Dev	2422		
			%RSD	1.04		
14	480-177562-B-1^20 ok	11/14/2020 7:37:11PM	1	287318	107.404	53.702
		11/14/2020 7:43:23PM	2	277919	103.855	51.927
			Avg	282619	105.630	52.814
			Std. Dev	6646		
			%RSD	2.35		
15	CCV	11/14/2020 7:51:57PM	1	331019	123.907	61.953
		11/14/2020 7:58:29PM	2	325965	121.998	60.999
			Avg	328492	122.950	61.476
			Std. Dev	3574		
			%RSD	1.09		
16	CCB	11/14/2020 8:06:45PM	1	3574	0.254	0.127
		11/14/2020 8:12:45PM	2	3640	0.279	0.140
			Avg	3607	0.270	0.133
			Std. Dev	46		
			%RSD	1.28		
17	480-177628-I-2^8 ok	11/14/2020 8:23:24PM	1	285734	106.806	53.403
		11/14/2020 8:29:29PM	2	284776	106.444	53.221
			Avg	285255	106.620	53.312
			Std. Dev	678		
			%RSD	0.24		
18	480-177628-I-3^40 ok	11/14/2020 8:38:58PM	1	311043	116.363	58.182
		11/14/2020 8:45:13PM	2	307206	114.914	57.457
			Avg	309124	115.640	57.819
			Std. Dev	2713		
			%RSD	0.88		

Denotes First Failed Samples

OI Corporation TOC Reporter

Instrument ID: A547730578 Wet-Chemistry

User ID:toc Name: Total Organic Carbon

Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
19	480-177704-P-1	11/14/2020 8:53:02PM	1	169955	63.084	31.542
		11/14/2020 9:00:32PM	2	173526	64.433	32.216
			Avg	171740	63.760	31.879
			Std. Dev	2524		
			%RSD	1.47		
20	480-177704-P-2	11/14/2020 9:07:53PM	1	126597	46.711	23.356
		11/14/2020 9:14:06PM	2	122749	45.258	22.629
			Avg	124673	45.980	22.993
			Std. Dev	2720		
			%RSD	2.18		
21	480-177704-P-3	11/14/2020 9:22:47PM	1	14206	4.269	2.135
		11/14/2020 9:29:09PM	2	13223	3.898	1.949
			Avg	13715	4.080	2.042
			Std. Dev	695		
			%RSD	5.07		
22	480-177711-I-2^10 ok	11/14/2020 9:39:22PM	1	466902	175.220	87.609
		11/14/2020 9:45:35PM	2	461936	173.345	86.672
			Avg	464419	174.280	87.140
			Std. Dev	3512		
			%RSD	0.76		
23	480-177711-I-3^20 ok	11/14/2020 9:55:04PM	1	379691	142.287	71.143
		11/14/2020 10:01:16PM	2	368005	137.874	68.937
			Avg	373848	140.080	70.040
			Std. Dev	8263		
			%RSD	2.21		
24	480-177711-I-4^20 ok	11/14/2020 10:10:50PM	1	106457	39.106	19.553
		11/14/2020 10:16:56PM	2	105904	38.897	19.449
			Avg	106181	39.000	19.501
			Std. Dev	391		
			%RSD	0.37		
25	480-177711-I-5^50 ok	11/14/2020 10:26:31PM	1	131205	48.451	24.226
		11/14/2020 10:32:36PM	2	128993	47.616	23.808
			Avg	130099	48.030	24.017
			Std. Dev	1564		
			%RSD	1.20		
26	480-177711-I-6^50 ok	11/14/2020 10:42:11PM	1	536656	201.561	100.780
		11/14/2020 10:48:17PM	2	524841	197.099	98.550
			Avg	530748	199.330	99.665
			Std. Dev	8354		
			%RSD	1.57		
27	CCV	11/14/2020 10:56:17PM	1	331303	124.014	62.007
		11/14/2020 11:03:03PM	2	325071	121.660	60.830

Denotes First Failed Samples

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	328187	122.840	61.419
			Std. Dev	4407		
			%RSD	1.34		
28	CCB	11/14/2020 11:12:17PM	1	4444	0.583	0.291
		11/14/2020 11:17:38PM	2	3353	0.171	0.085
			Avg	3899	0.380	0.188
			Std. Dev	772		
			%RSD	19.80		
29	MB	11/14/2020 11:27:27PM	1	3076	0.066	0.032
		11/14/2020 11:33:20PM	2	3213	0.118	0.058
			Avg	3145	0.090	0.045
			Std. Dev	97		
			%RSD	3.09		
30	LCS	11/14/2020 11:42:54PM	1	327866	122.716	61.358
		11/14/2020 11:49:06PM	2	322321	120.622	60.311
			Avg	325094	121.670	60.834
			Std. Dev	3920		
			%RSD	1.21		
31	480-177729-E-1	11/14/2020 11:58:11PM	1	33432	11.530	5.765
		11/15/2020 12:04:57AM	2	34169	11.808	5.904
			Avg	33801	11.670	5.835
			Std. Dev	521		
			%RSD	1.54		
32	480-177729-F-1 MS^2	11/15/2020 12:13:34AM	1	153258	56.779	28.390
		11/15/2020 12:19:48AM	2	149861	55.496	27.748
			Avg	151560	56.140	28.069
			Std. Dev	2402		
			%RSD	1.59		
33	480-177729-F-1 MSD^2	11/15/2020 12:28:29AM	1	153381	56.826	28.413
		11/15/2020 12:34:42AM	2	151794	56.226	28.113
			Avg	152588	56.530	28.263
			Std. Dev	1122		
			%RSD	0.74		
34	480-177730-T-1	11/15/2020 12:43:30AM	1	9785	2.600	1.300
		11/15/2020 12:50:05AM	2	9319	2.424	1.212
			Avg	9552	2.510	1.256
			Std. Dev	329		
			%RSD	3.45		
35	480-177730-T-2	11/15/2020 12:58:22AM	1	9501	2.493	1.246
		11/15/2020 1:04:47AM	2	9260	2.402	1.201
			Avg	9381	2.450	1.223
			Std. Dev	170		
			%RSD	1.82		

Denotes First Failed Samples

OI Corporation TOC Reporter

Instrument ID: A547730578 Wet-Chemistry

User ID:toc Name: Total Organic Carbon

Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
36	480-177730-T-3	11/15/2020 1:12:52AM	1	10728	2.956	1.478
		11/15/2020 1:19:12AM	2	10357	2.815	1.408
			Avg	10542	2.890	1.443
			Std. Dev	263		
			%RSD	2.49		
37	480-177733-AC-1	11/15/2020 1:28:15AM	1	201705	75.074	37.537
		11/15/2020 1:35:11AM	2	202064	75.209	37.605
			Avg	201884	75.140	37.571
			Std. Dev	254		
			%RSD	0.13		
38	480-177729-E-2	11/15/2020 1:43:11AM	1	34222	11.828	5.914
		11/15/2020 1:49:39AM	2	33838	11.683	5.841
			Avg	34030	11.760	5.878
			Std. Dev	272		
			%RSD	0.80		
39	CCV	11/15/2020 1:58:37AM	1	329066	123.169	61.585
		11/15/2020 2:04:53AM	2	324454	121.427	60.714
			Avg	326760	122.300	61.149
			Std. Dev	3262		
			%RSD	1.00		
40	CCB	11/15/2020 2:14:09AM	1	4218	0.498	0.249
		11/15/2020 2:19:41AM	2	3257	0.134	0.067
			Avg	3738	0.320	0.158
			Std. Dev	680		
			%RSD	18.19		
41	480-177743-R-1	11/15/2020 2:29:17AM	1	30856	10.557	5.278
		11/15/2020 2:35:56AM	2	30031	10.245	5.123
			Avg	30443	10.400	5.200
			Std. Dev	584		
			%RSD	1.92		
42	480-177748-I-1	11/15/2020 2:44:14AM	1	8665	2.176	1.088
		11/15/2020 2:50:31AM	2	7964	1.912	0.955
			Avg	8314	2.040	1.022
			Std. Dev	495		
			%RSD	5.96		
43	480-177748-I-2	11/15/2020 2:59:10AM	1	3483	0.220	0.110
		11/15/2020 3:05:50AM	2	3512	0.231	0.115
			Avg	3498	0.230	0.113
			Std. Dev	21		
			%RSD	0.60		
44	480-177748-I-3	11/15/2020 3:14:06AM	1	4245	0.508	0.254
		11/15/2020 3:20:16AM	2	3803	0.341	0.170

Denotes First Failed Samples

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	4024	0.420	0.212
			Std. Dev	313		
			%RSD	7.77		
45	480-177748-I-4	11/15/2020 3:28:55AM	1	6964	1.534	0.767
		11/15/2020 3:34:59AM	2	6356	1.305	0.652
			Avg	6660	1.420	0.710
			Std. Dev	430		
			%RSD	6.45		
46	480-177748-I-5	11/15/2020 3:43:53AM	1	7964	1.912	0.956
		11/15/2020 3:50:24AM	2	7779	1.842	0.921
			Avg	7871	1.880	0.938
			Std. Dev	131		
			%RSD	1.67		
47	480-177748-I-6	11/15/2020 3:58:54AM	1	3212	0.118	0.059
		11/15/2020 4:05:09AM	2	2753	0.000	0.000
			Avg	2982	0.060	0.030
			Std. Dev	325		
			%RSD	10.90		
48	480-177748-I-7	11/15/2020 4:13:43AM	1	5218	0.875	0.438
		11/15/2020 4:19:55AM	2	4731	0.691	0.346
			Avg	4975	0.780	0.392
			Std. Dev	345		
			%RSD	6.93		
49	480-177748-I-8	11/15/2020 4:28:28AM	1	6002	1.171	0.586
		11/15/2020 4:34:43AM	2	5748	1.075	0.538
			Avg	5875	1.120	0.562
			Std. Dev	180		
			%RSD	3.06		
50	480-177755-F-1	11/15/2020 4:43:27AM	1	14807	4.496	2.247
		11/15/2020 4:49:54AM	2	14700	4.456	2.228
			Avg	14753	4.480	2.238
			Std. Dev	75		
			%RSD	0.51		
51	CCV	11/15/2020 4:58:48AM	1	331148	123.955	61.978
		11/15/2020 5:05:14AM	2	323638	121.119	60.560
			Avg	327393	122.540	61.269
			Std. Dev	5310		
			%RSD	1.62		
52	CCB	11/15/2020 5:14:22AM	1	3265	0.138	0.069
		11/15/2020 5:20:16AM	2	3431	0.200	0.100
			Avg	3348	0.170	0.084
			Std. Dev	117		
			%RSD	3.50		

Denotes First Failed Samples

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
53	MB	11/15/2020 5:28:55AM	1	2615	0.000	0.000
		11/15/2020 5:35:14AM	2	2763	0.000	0.000
			Avg	2689	0.000	0.000
			Std. Dev	104		
			%RSD	3.88		
54	LCS	11/15/2020 5:44:20AM	1	323441	121.045	60.523
		11/15/2020 5:50:51AM	2	320685	120.004	60.002
			Avg	322063	120.520	60.263
			Std. Dev	1949		
			%RSD	0.61		
55	480-177755-F-2	11/15/2020 5:59:10AM	1	10715	2.951	1.475
		11/15/2020 6:05:49AM	2	9859	2.627	1.314
			Avg	10287	2.790	1.394
			Std. Dev	606		
			%RSD	5.89		
56	480-177755-G-2 MS^2	11/15/2020 6:13:55AM	1	146207	54.117	27.058
		11/15/2020 6:20:04AM	2	142622	52.763	26.381
			Avg	144415	53.440	26.719
			Std. Dev	2535		
			%RSD	1.76		
57	480-177755-G-2 MSD^2	11/15/2020 6:28:49AM	1	138316	51.137	25.568
		11/15/2020 6:35:02AM	2	136974	50.630	25.315
			Avg	137645	50.880	25.442
			Std. Dev	949		
			%RSD	0.69		
58	480-177755-F-3	11/15/2020 6:43:39AM	1	10260	2.779	1.390
		11/15/2020 6:50:06AM	2	9774	2.595	1.298
			Avg	10017	2.690	1.344
			Std. Dev	344		
			%RSD	3.43		
59	480-177755-F-4	11/15/2020 6:58:32AM	1	14709	4.459	2.230
		11/15/2020 7:04:52AM	2	14140	4.244	2.122
			Avg	14425	4.350	2.176
			Std. Dev	403		
			%RSD	2.79		
60	480-177755-F-5	11/15/2020 7:13:41AM	1	46101	16.314	8.157
		11/15/2020 7:20:02AM	2	44666	15.772	7.886
			Avg	45383	16.040	8.021
			Std. Dev	1015		
			%RSD	2.24		
61	480-177755-F-6	11/15/2020 7:28:37AM	1	14874	4.521	2.261
		11/15/2020 7:34:55AM	2	14232	4.279	2.139

Denotes First Failed Samples

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	14553	4.400	2.200
			Std. Dev	454		
			%RSD	3.12		
62	480-177755-F-7	11/15/2020 7:43:35AM	1	12873	3.766	1.883
		11/15/2020 7:49:52AM	2	12636	3.676	1.838
			Avg	12754	3.720	1.861
			Std. Dev	168		
			%RSD	1.32		
63	CCV	11/15/2020 7:59:01AM	1	324608	121.485	60.743
		11/15/2020 8:05:26AM	2	324067	121.281	60.641
			Avg	324337	121.380	60.692
			Std. Dev	382		
			%RSD	0.12		
64	CCB	11/15/2020 8:14:34AM	1	3311	0.155	0.077
		11/15/2020 8:20:51AM	2	3543	0.242	0.121
			Avg	3427	0.200	0.099
			Std. Dev	164		
			%RSD	4.78		
65	480-177755-F-8	11/15/2020 8:29:27AM	1	26869	9.051	4.526
		11/15/2020 8:35:52AM	2	25962	8.709	4.354
			Avg	26416	8.880	4.440
			Std. Dev	641		
			%RSD	2.43		
66	480-177755-F-9	11/15/2020 8:44:23AM	1	15045	4.586	2.293
		11/15/2020 8:50:48AM	2	14286	4.299	2.150
			Avg	14666	4.440	2.222
			Std. Dev	537		
			%RSD	3.66		
67	480-177755-F-10	11/15/2020 8:59:21AM	1	11386	3.204	1.602
		11/15/2020 9:05:35AM	2	10856	3.004	1.502
			Avg	11121	3.100	1.552
			Std. Dev	374		
			%RSD	3.37		
68	480-177755-F-11	11/15/2020 9:14:40AM	1	5999	1.170	0.585
		11/15/2020 9:20:42AM	2	6210	1.249	0.625
			Avg	6105	1.210	0.605
			Std. Dev	149		
			%RSD	2.44		
69	480-177755-F-12	11/15/2020 9:29:09AM	1	6646	1.414	0.707
		11/15/2020 9:35:41AM	2	6450	1.340	0.670
			Avg	6548	1.380	0.688
			Std. Dev	139		
			%RSD	2.12		

Denotes First Failed Samples

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
70	480-177755-F-13	11/15/2020 9:44:08AM	1	9764	2.592	1.296
		11/15/2020 9:50:24AM	2	9428	2.465	1.232
			Avg	9596	2.530	1.264
			Std. Dev	238		
			%RSD	2.48		
71	480-177764-B-1	11/15/2020 9:59:29AM	1	13910	4.157	2.079
		11/15/2020 10:06:08AM	2	13939	4.168	2.084
			Avg	13925	4.160	2.082
			Std. Dev	20		
			%RSD	0.15		
72	480-177764-B-2	11/15/2020 10:14:25AM	1	12487	3.620	1.809
		11/15/2020 10:21:11AM	2	12585	3.657	1.828
			Avg	12536	3.640	1.818
			Std. Dev	69		
			%RSD	0.55		
73	480-177779-D-1	11/15/2020 10:29:27AM	1	37916	13.223	6.611
		11/15/2020 10:36:45AM	2	38850	13.575	6.788
			Avg	38383	13.400	6.700
			Std. Dev	661		
			%RSD	1.72		
74	480-177779-D-2	11/15/2020 10:44:25AM	1	8184	1.995	0.998
		11/15/2020 10:51:26AM	2	8346	2.056	1.028
			Avg	8265	2.030	1.013
			Std. Dev	114		
			%RSD	1.38		
75	CCV	11/15/2020 10:59:42AM	1	327089	122.423	61.211
		11/15/2020 11:06:34AM	2	320015	119.751	59.876
			Avg	323552	121.090	60.544
			Std. Dev	5002		
			%RSD	1.55		
76	CCB	11/15/2020 11:15:29AM	1	3767	0.327	0.164
		11/15/2020 11:21:08AM	2	3282	0.144	0.072
			Avg	3524	0.240	0.118
			Std. Dev	343		
			%RSD	9.73		
77	CCVL	11/15/2020 11:30:47AM	1	9095	2.339	1.170
		11/15/2020 11:37:18AM	2	9003	2.304	1.152
			Avg	9049	2.320	1.161
			Std. Dev	65		
			%RSD	0.72		

Denotes First Failed Samples

Historical Data Summary Report

For Batch 559505

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-177546-AA-1	^4L-1	5310C	Total Organic Carbon	Total/NA	mg/L	5	4.0	174	☐	55.24 - 193.72	☐	69.92 - 188.4
480-177662-C-2	ENTRY PT	5310C	Total Organic Carbon	Total/NA	mg/L	1	1.0	3.9	☑	1.7 - 1.7	☑	1.36 - 2.04
480-177729-E-1	S101	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	5.8	☐	1.906 - 6.319	☐	2.56 - 6.48
480-177729-E-2	S102	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	5.9	☐	1.88 - 6.345	☐	2.56 - 6.36
480-177730-T-1	DUP	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	1.3	☐	0 - 7.281	☐	0.8 - 7.92
480-177730-T-2	US-05D	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	1.2	☐	0 - 2.252	☐	0 - 1.44
480-177730-T-3	W-03D	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	1.4	☐	0 - 2.553	☐	0 - 1.68
480-177733-AC-1	LREP	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	37.6	☐	0 - 50.599	☐	6.16 - 54.12
480-177743-R-1	G148	5310C	Total Organic Carbon	Total/NA	mg/L	4	1.0	5.2	☐	0 - 14.256	☐	0 - 9.72
480-177748-I-1	W11-4E	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	1.0	☑	0 - 0	☑	0 - 0
480-177748-I-2	W11-5B	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-177748-I-3	W11-5E	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-177748-I-4	W11-6E	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-177748-I-5	W12-3E	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 2.106	☐	0 - 1.8
480-177748-I-6	W12-4B	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-177748-I-7	W12-4E	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-177748-I-8	W12-5E	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 1.341	☐	0 - 1.44
480-177755-F-1	DUPLICATE 1	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	2.2	☐	0 - 3.442	☐	0 - 2.4
480-177755-F-10	MW-7D	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	1.6	☐	0 - 2.573	☐	0 - 1.92
480-177755-F-11	MW-7S	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 3.504	☐	0 - 3.24
480-177755-F-12	MW-8D	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-177755-F-13	MW-8S	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	1.3	☐	0 - 2.924	☐	0 - 2.04
480-177755-F-2	DUPLICATE 2	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	1.4	☐	0 - 2.939	☐	0 - 2.16
480-177755-F-3	M97-1D	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	1.3	☐	0 - 2.01	☐	0 - 1.32
480-177755-F-4	M97-1S	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	2.2	☐	0 - 4.184	☐	0 - 3.12
480-177755-F-5	M98-1D	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	8.0	☐	1.855 - 8.42	☐	3.28 - 9.36
480-177755-F-6	M98-1S	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	2.2	☐	1.051 - 2.424	☐	1.2 - 2.52
480-177755-F-7	MW-2	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	1.9	☐	0.868 - 2.207	☐	0.96 - 2.28
480-177755-F-8	MW-3	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	4.4	☑	0.136 - 3.289	☑	0.88 - 3.24
480-177755-F-9	MW-4	SM5310D	Total Organic Carbon	Total/NA	mg/L	8	1.0	2.2	☐	0.916 - 2.459	☐	1.04 - 2.52

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-177779-1

SDG No.:

Batch Number: 559505 Batch Start Date: 11/14/20 16:31 Batch Analyst: Abramo, Charles L

Batch Method: SM 5310C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Res1&2RPD	RPDOK	TOC_CCV 00128	TOC_LCS 00126		
ICV 480-559505/2		SM 5310C		2 %	TOC Pass	# mL			
ICB 480-559505/3		SM 5310C		125 %	TOC Fail				
CCV 480-559505/49		SM 5310C		2 %	TOC Pass	# mL			
CCB 480-559505/50		SM 5310C		37 %	TOC Fail				
MB 480-559505/51		SM 5310C			TOC Pass				
LCS 480-559505/52		SM 5310C		1 %	TOC Pass		# mL		
CCV 480-559505/61		SM 5310C		0 %	TOC Pass	# mL			
CCB 480-559505/62		SM 5310C		44 %	TOC Fail				
480-177779-D-1	RW-1	SM 5310C	T	3 %	TOC Pass				
480-177779-D-2	RW-2	SM 5310C	T	3 %	TOC Pass				
CCV 480-559505/73		SM 5310C		2 %	TOC Pass	# mL			
CCB 480-559505/74		SM 5310C		78 %	TOC Fail				

Batch Notes	
Acid ID	5977530
Batch Comment	ICV, ICB new cal
Combustion Catylyst ID	TIC 5952235
Phosphoric Acid ID	6154753
Pipette/Syringe/Dispenser ID	M 35907 C
Sodium Persulfate ID	6217350

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Frank Zabel	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-145909-30092.1
Client Contact: Jessica Marcy	Phone: 518-470-0435	E-Mail: Judy.Stone@Eurofinset.com		Page: Page 1 of 1
Company: Aztech Technologies Inc		Analysis Requested		Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			Preservation Codes:
City: Ballston Spa	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, [illegible]mchlor, [illegible] Acid, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 12020				
Phone:	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

480-177779 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total Numb	Special Instructions/Note:
			Preservation Code:				A	A	A		
RW-1	11/6/20	1305	G	Water			X		X		
RW-2	11/6/20	1310	G	Water			X		X		
RW-3	11/6/20	1315	G	Water			X		X		
SUP	11/6/20	1320	G	Water			X				
Effluent	11/6/20	1300	G	Water			X				
Trip Blank	11/6/20		G	Water				X			
				Water							
				Water							
				Water							

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Frank Zabel	11/6/20 1445	Zabella	Karl Jacka	11/6/20 1445	Eurofins
Karl Jacka	11/6/20 1700	Eurofins			
				11/7/20 900	TMTB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1 #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-177779-1

Login Number: 177779 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 480-179017-1

Job Description: Roxy Cleaners #442024

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, NY 12233-7014

Attention: Jenelle Gaylord

Approved for release.
Judy L Stone
Senior Project Manager
12/17/2020 5:19 PM

Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
Judy.Stone@Eurofinset.com
12/17/2020

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Job Narrative
480-179017-1

Receipt
The samples were received on 12/5/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: RW-3 (480-179017-3), (480-179017-A-3 MS) and (480-179017-A-3 MSD). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: New York State D.E.C.
Job ID: 480-179017-1
Project/Site: Roxy Cleaners #442024

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-179017-1	RW-1	Water	12/04/20 13:10	12/05/20 08:00	
480-179017-2	RW-2	Water	12/04/20 13:15	12/05/20 08:00	
480-179017-3	RW-3	Water	12/04/20 13:20	12/05/20 08:00	
480-179017-4	DUP	Water	12/04/20 13:20	12/05/20 08:00	
480-179017-5	EFFLUENT	Water	12/04/20 13:00	12/05/20 08:00	
480-179017-6	TRIP BLANK	Water	12/04/20 00:00	12/05/20 08:00	

Detection Summary

Client: New York State D.E.C.
Job ID: 480-179017-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-179017-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.54	J	1.0	0.19	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	10		1.0	0.16	ug/L	1		8260C	Total/NA
Toluene	0.71	J	1.0	0.51	ug/L	1		8260C	Total/NA
Total Organic Carbon	6.6		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: RW-2
Lab Sample ID: 480-179017-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.38	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	32		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.4		1.0	0.46	ug/L	1		8260C	Total/NA
Total Organic Carbon	1.0		1.0	0.43	mg/L	1		SM 5310C	Total/NA

Client Sample ID: RW-3
Lab Sample ID: 480-179017-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.0		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	210	F1	4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	2.8	J	4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: DUP
Lab Sample ID: 480-179017-4

No Detections.

Client Sample ID: EFFLUENT
Lab Sample ID: 480-179017-5

No Detections.

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-179017-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Job ID: 480-179017-1
Project/Site: Roxy Cleaners #442024

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 5310C	TOC	SM	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample ID: RW-1
Lab Sample ID: 480-179017-1

Date Collected: 12/04/20 13:10
Matrix: Water

Date Received: 12/05/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/06/20 03:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/06/20 03:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/06/20 03:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/06/20 03:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/06/20 03:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/06/20 03:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/06/20 03:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/06/20 03:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/06/20 03:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/06/20 03:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/06/20 03:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/06/20 03:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/06/20 03:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/06/20 03:48	1
2-Hexanone	ND		5.0	1.2	ug/L			12/06/20 03:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/06/20 03:48	1
Acetone	ND		10	3.0	ug/L			12/06/20 03:48	1
Benzene	ND		1.0	0.41	ug/L			12/06/20 03:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/06/20 03:48	1
Bromoform	ND		1.0	0.26	ug/L			12/06/20 03:48	1
Bromomethane	ND		1.0	0.69	ug/L			12/06/20 03:48	1
Carbon disulfide	**0.54**	**J**	1.0	0.19	ug/L			12/06/20 03:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/06/20 03:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/06/20 03:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/06/20 03:48	1
Chloroethane	ND		1.0	0.32	ug/L			12/06/20 03:48	1
Chloroform	ND		1.0	0.34	ug/L			12/06/20 03:48	1
Chloromethane	ND		1.0	0.35	ug/L			12/06/20 03:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/06/20 03:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/06/20 03:48	1
Cyclohexane	ND		1.0	0.18	ug/L			12/06/20 03:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/06/20 03:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/06/20 03:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/06/20 03:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/06/20 03:48	1
Methyl acetate	ND		2.5	1.3	ug/L			12/06/20 03:48	1
Methyl tert-butyl ether	**10**		1.0	0.16	ug/L			12/06/20 03:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/06/20 03:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/06/20 03:48	1
Styrene	ND		1.0	0.73	ug/L			12/06/20 03:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/06/20 03:48	1
Toluene	**0.71**	**J**	1.0	0.51	ug/L			12/06/20 03:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/06/20 03:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/06/20 03:48	1
Trichloroethene	ND		1.0	0.46	ug/L			12/06/20 03:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/06/20 03:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/06/20 03:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/06/20 03:48	1

Client Sample ID: RW-1
Lab Sample ID: 480-179017-1

Date Collected: 12/04/20 13:10
Matrix: Water
Date Received: 12/05/20 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/06/20 03:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/06/20 03:48*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/06/20 03:48*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/06/20 03:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**6.6**		1.0	0.43	mg/L			12/13/20 07:28	1

Client Sample ID: RW-2
Lab Sample ID: 480-179017-2

Date Collected: 12/04/20 13:15
Matrix: Water
Date Received: 12/05/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/06/20 04:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/06/20 04:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/06/20 04:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/06/20 04:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/06/20 04:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/06/20 04:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/06/20 04:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/06/20 04:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/06/20 04:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/06/20 04:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/06/20 04:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/06/20 04:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/06/20 04:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/06/20 04:11	1
2-Hexanone	ND		5.0	1.2	ug/L			12/06/20 04:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/06/20 04:11	1
Acetone	ND		10	3.0	ug/L			12/06/20 04:11	1
Benzene	ND		1.0	0.41	ug/L			12/06/20 04:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/06/20 04:11	1
Bromoform	ND		1.0	0.26	ug/L			12/06/20 04:11	1
Bromomethane	ND		1.0	0.69	ug/L			12/06/20 04:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/06/20 04:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/06/20 04:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/06/20 04:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/06/20 04:11	1
Chloroethane	ND		1.0	0.32	ug/L			12/06/20 04:11	1
Chloroform	**0.38**	**J**	1.0	0.34	ug/L			12/06/20 04:11	1
Chloromethane	ND		1.0	0.35	ug/L			12/06/20 04:11	1
cis-1,2-Dichloroethene	**1.2**		1.0	0.81	ug/L			12/06/20 04:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/06/20 04:11	1
Cyclohexane	ND		1.0	0.18	ug/L			12/06/20 04:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/06/20 04:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/06/20 04:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/06/20 04:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/06/20 04:11	1
Methyl acetate	ND		2.5	1.3	ug/L			12/06/20 04:11	1

Client Sample ID: RW-2
Lab Sample ID: 480-179017-2

Date Collected: 12/04/20 13:15
Matrix: Water
Date Received: 12/05/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/06/20 04:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/06/20 04:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/06/20 04:11	1
Styrene	ND		1.0	0.73	ug/L			12/06/20 04:11	1
Tetrachloroethene	**32**		1.0	0.36	ug/L			12/06/20 04:11	1
Toluene	ND		1.0	0.51	ug/L			12/06/20 04:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/06/20 04:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/06/20 04:11	1
Trichloroethene	**2.4**		1.0	0.46	ug/L			12/06/20 04:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/06/20 04:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/06/20 04:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/06/20 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/06/20 04:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/06/20 04:11*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/06/20 04:11*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/06/20 04:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1.0**		1.0	0.43	mg/L			12/13/20 08:14	1

Client Sample ID: RW-3
Lab Sample ID: 480-179017-3

Date Collected: 12/04/20 13:20
Matrix: Water
Date Received: 12/05/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			12/06/20 04:34	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/06/20 04:34	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/06/20 04:34	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			12/06/20 04:34	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			12/06/20 04:34	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			12/06/20 04:34	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			12/06/20 04:34	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			12/06/20 04:34	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			12/06/20 04:34	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/06/20 04:34	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/06/20 04:34	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			12/06/20 04:34	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			12/06/20 04:34	4
2-Butanone (MEK)	ND		40	5.3	ug/L			12/06/20 04:34	4
2-Hexanone	ND		20	5.0	ug/L			12/06/20 04:34	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/06/20 04:34	4
Acetone	ND		40	12	ug/L			12/06/20 04:34	4
Benzene	ND		4.0	1.6	ug/L			12/06/20 04:34	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/06/20 04:34	4
Bromoform	ND		4.0	1.0	ug/L			12/06/20 04:34	4
Bromomethane	ND		4.0	2.8	ug/L			12/06/20 04:34	4

Client Sample ID: RW-3
Lab Sample ID: 480-179017-3

Date Collected: 12/04/20 13:20
Matrix: Water
Date Received: 12/05/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		4.0	0.76	ug/L			12/06/20 04:34	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/06/20 04:34	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/06/20 04:34	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/06/20 04:34	4
Chloroethane	ND		4.0	1.3	ug/L			12/06/20 04:34	4
Chloroform	ND		4.0	1.4	ug/L			12/06/20 04:34	4
Chloromethane	ND		4.0	1.4	ug/L			12/06/20 04:34	4
cis-1,2-Dichloroethene	**6.0**		4.0	3.2	ug/L			12/06/20 04:34	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/06/20 04:34	4
Cyclohexane	ND		4.0	0.72	ug/L			12/06/20 04:34	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			12/06/20 04:34	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/06/20 04:34	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			12/06/20 04:34	4
Isopropylbenzene	ND		4.0	3.2	ug/L			12/06/20 04:34	4
Methyl acetate	ND		10	5.2	ug/L			12/06/20 04:34	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			12/06/20 04:34	4
Methylcyclohexane	ND		4.0	0.64	ug/L			12/06/20 04:34	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/06/20 04:34	4
Styrene	ND		4.0	2.9	ug/L			12/06/20 04:34	4
Tetrachloroethene	**210**	**F1**	4.0	1.4	ug/L			12/06/20 04:34	4
Toluene	ND		4.0	2.0	ug/L			12/06/20 04:34	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/06/20 04:34	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/06/20 04:34	4
Trichloroethene	**2.8**	**J**	4.0	1.8	ug/L			12/06/20 04:34	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			12/06/20 04:34	4
Vinyl chloride	ND		4.0	3.6	ug/L			12/06/20 04:34	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/06/20 04:34	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/06/20 04:34*	*4*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*12/06/20 04:34*	*4*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/06/20 04:34*	*4*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/06/20 04:34*	*4*

Client Sample ID: DUP
Lab Sample ID: 480-179017-4

Date Collected: 12/04/20 13:20
Matrix: Water
Date Received: 12/05/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/06/20 04:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/06/20 04:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/06/20 04:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/06/20 04:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/06/20 04:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/06/20 04:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/06/20 04:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/06/20 04:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/06/20 04:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/06/20 04:57	1

Client Sample ID: DUP
Date Collected: 12/04/20 13:20
Date Received: 12/05/20 08:00

Lab Sample ID: 480-179017-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/06/20 04:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/06/20 04:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/06/20 04:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/06/20 04:57	1
2-Hexanone	ND		5.0	1.2	ug/L			12/06/20 04:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/06/20 04:57	1
Acetone	ND		10	3.0	ug/L			12/06/20 04:57	1
Benzene	ND		1.0	0.41	ug/L			12/06/20 04:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/06/20 04:57	1
Bromoform	ND		1.0	0.26	ug/L			12/06/20 04:57	1
Bromomethane	ND		1.0	0.69	ug/L			12/06/20 04:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/06/20 04:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/06/20 04:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/06/20 04:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/06/20 04:57	1
Chloroethane	ND		1.0	0.32	ug/L			12/06/20 04:57	1
Chloroform	ND		1.0	0.34	ug/L			12/06/20 04:57	1
Chloromethane	ND		1.0	0.35	ug/L			12/06/20 04:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/06/20 04:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/06/20 04:57	1
Cyclohexane	ND		1.0	0.18	ug/L			12/06/20 04:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/06/20 04:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/06/20 04:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/06/20 04:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/06/20 04:57	1
Methyl acetate	ND		2.5	1.3	ug/L			12/06/20 04:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/06/20 04:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/06/20 04:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/06/20 04:57	1
Styrene	ND		1.0	0.73	ug/L			12/06/20 04:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/06/20 04:57	1
Toluene	ND		1.0	0.51	ug/L			12/06/20 04:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/06/20 04:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/06/20 04:57	1
Trichloroethene	ND		1.0	0.46	ug/L			12/06/20 04:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/06/20 04:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/06/20 04:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/06/20 04:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/06/20 04:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/06/20 04:57*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/06/20 04:57*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/06/20 04:57*	*1*

Client Sample ID: EFFLUENT
Lab Sample ID: 480-179017-5

Date Collected: 12/04/20 13:00
Matrix: Water
Date Received: 12/05/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/06/20 05:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/06/20 05:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/06/20 05:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/06/20 05:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/06/20 05:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/06/20 05:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/06/20 05:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/06/20 05:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/06/20 05:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/06/20 05:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/06/20 05:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/06/20 05:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/06/20 05:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/06/20 05:20	1
2-Hexanone	ND		5.0	1.2	ug/L			12/06/20 05:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/06/20 05:20	1
Acetone	ND		10	3.0	ug/L			12/06/20 05:20	1
Benzene	ND		1.0	0.41	ug/L			12/06/20 05:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/06/20 05:20	1
Bromoform	ND		1.0	0.26	ug/L			12/06/20 05:20	1
Bromomethane	ND		1.0	0.69	ug/L			12/06/20 05:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/06/20 05:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/06/20 05:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/06/20 05:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/06/20 05:20	1
Chloroethane	ND		1.0	0.32	ug/L			12/06/20 05:20	1
Chloroform	ND		1.0	0.34	ug/L			12/06/20 05:20	1
Chloromethane	ND		1.0	0.35	ug/L			12/06/20 05:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/06/20 05:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/06/20 05:20	1
Cyclohexane	ND		1.0	0.18	ug/L			12/06/20 05:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/06/20 05:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/06/20 05:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/06/20 05:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/06/20 05:20	1
Methyl acetate	ND		2.5	1.3	ug/L			12/06/20 05:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/06/20 05:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/06/20 05:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/06/20 05:20	1
Styrene	ND		1.0	0.73	ug/L			12/06/20 05:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/06/20 05:20	1
Toluene	ND		1.0	0.51	ug/L			12/06/20 05:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/06/20 05:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/06/20 05:20	1
Trichloroethene	ND		1.0	0.46	ug/L			12/06/20 05:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/06/20 05:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/06/20 05:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/06/20 05:20	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-179017-5

Date Collected: 12/04/20 13:00
Matrix: Water
Date Received: 12/05/20 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/06/20 05:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/06/20 05:20*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/06/20 05:20*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/06/20 05:20*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-179017-6

Date Collected: 12/04/20 00:00
Matrix: Water
Date Received: 12/05/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/06/20 05:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/06/20 05:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/06/20 05:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/06/20 05:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/06/20 05:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/06/20 05:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/06/20 05:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/06/20 05:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/06/20 05:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/06/20 05:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/06/20 05:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/06/20 05:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/06/20 05:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/06/20 05:43	1
2-Hexanone	ND		5.0	1.2	ug/L			12/06/20 05:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/06/20 05:43	1
Acetone	ND		10	3.0	ug/L			12/06/20 05:43	1
Benzene	ND		1.0	0.41	ug/L			12/06/20 05:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/06/20 05:43	1
Bromoform	ND		1.0	0.26	ug/L			12/06/20 05:43	1
Bromomethane	ND		1.0	0.69	ug/L			12/06/20 05:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/06/20 05:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/06/20 05:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/06/20 05:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/06/20 05:43	1
Chloroethane	ND		1.0	0.32	ug/L			12/06/20 05:43	1
Chloroform	ND		1.0	0.34	ug/L			12/06/20 05:43	1
Chloromethane	ND		1.0	0.35	ug/L			12/06/20 05:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/06/20 05:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/06/20 05:43	1
Cyclohexane	ND		1.0	0.18	ug/L			12/06/20 05:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/06/20 05:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/06/20 05:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/06/20 05:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/06/20 05:43	1
Methyl acetate	ND		2.5	1.3	ug/L			12/06/20 05:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/06/20 05:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/06/20 05:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/06/20 05:43	1

Client: New York State D.E.C.
Job ID: 480-179017-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-179017-6
Date Collected: 12/04/20 00:00
Matrix: Water
Date Received: 12/05/20 08:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			12/06/20 05:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/06/20 05:43	1
Toluene	ND		1.0	0.51	ug/L			12/06/20 05:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/06/20 05:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/06/20 05:43	1
Trichloroethene	ND		1.0	0.46	ug/L			12/06/20 05:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/06/20 05:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/06/20 05:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/06/20 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/06/20 05:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/06/20 05:43*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/06/20 05:43*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/06/20 05:43*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-179017-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-179017-1	RW-1	99	102	101	103
480-179017-2	RW-2	100	102	100	103
480-179017-3	RW-3	103	100	102	102
480-179017-3 MS	RW-3	101	102	102	103
480-179017-3 MSD	RW-3	102	100	102	102
480-179017-4	DUP	101	101	100	101
480-179017-5	EFFLUENT	100	101	100	105
480-179017-6	TRIP BLANK	101	102	100	103
LCS 480-562098/6	Lab Control Sample	101	101	102	103
MB 480-562098/8	Method Blank	101	99	103	102

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-179017-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-562098/8
Matrix: Water
Analysis Batch: 562098

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/05/20 23:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/05/20 23:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/05/20 23:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/05/20 23:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/05/20 23:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/05/20 23:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/05/20 23:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/05/20 23:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/05/20 23:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/05/20 23:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/05/20 23:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/05/20 23:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/05/20 23:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/05/20 23:11	1
2-Hexanone	ND		5.0	1.2	ug/L			12/05/20 23:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/05/20 23:11	1
Acetone	ND		10	3.0	ug/L			12/05/20 23:11	1
Benzene	ND		1.0	0.41	ug/L			12/05/20 23:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/05/20 23:11	1
Bromoform	ND		1.0	0.26	ug/L			12/05/20 23:11	1
Bromomethane	ND		1.0	0.69	ug/L			12/05/20 23:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/05/20 23:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/05/20 23:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/05/20 23:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/05/20 23:11	1
Chloroethane	ND		1.0	0.32	ug/L			12/05/20 23:11	1
Chloroform	ND		1.0	0.34	ug/L			12/05/20 23:11	1
Chloromethane	ND		1.0	0.35	ug/L			12/05/20 23:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/05/20 23:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/05/20 23:11	1
Cyclohexane	ND		1.0	0.18	ug/L			12/05/20 23:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/05/20 23:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/05/20 23:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/05/20 23:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/05/20 23:11	1
Methyl acetate	ND		2.5	1.3	ug/L			12/05/20 23:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/05/20 23:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/05/20 23:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/05/20 23:11	1
Styrene	ND		1.0	0.73	ug/L			12/05/20 23:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/05/20 23:11	1
Toluene	ND		1.0	0.51	ug/L			12/05/20 23:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/05/20 23:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/05/20 23:11	1
Trichloroethene	ND		1.0	0.46	ug/L			12/05/20 23:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/05/20 23:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/05/20 23:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/05/20 23:11	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-562098/8
Matrix: Water
Analysis Batch: 562098

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		12/05/20 23:11	1
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/05/20 23:11	1
4-Bromofluorobenzene (Surr)	103		73 - 120		12/05/20 23:11	1
Dibromofluoromethane (Surr)	102		75 - 123		12/05/20 23:11	1

Lab Sample ID: LCS 480-562098/6
Matrix: Water
Analysis Batch: 562098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.8		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		101	76 - 120
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.3		ug/L		101	61 - 148
1,1-Dichloroethane	25.0	26.0		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	26.9		ug/L		107	66 - 127
1,2,4-Trichlorobenzene	25.0	26.6		ug/L		106	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.2		ug/L		101	56 - 134
1,2-Dichlorobenzene	25.0	25.5		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	25.5		ug/L		102	76 - 120
1,3-Dichlorobenzene	25.0	25.1		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	25.2		ug/L		101	80 - 120
2-Butanone (MEK)	125	123		ug/L		98	57 - 140
2-Hexanone	125	126		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		102	71 - 125
Acetone	125	111		ug/L		88	56 - 142
Benzene	25.0	25.8		ug/L		103	71 - 124
Bromodichloromethane	25.0	26.8		ug/L		107	80 - 122
Bromoform	25.0	26.5		ug/L		106	61 - 132
Bromomethane	25.0	24.6		ug/L		98	55 - 144
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134
Carbon tetrachloride	25.0	27.6		ug/L		111	72 - 134
Chlorobenzene	25.0	25.7		ug/L		103	80 - 120
Dibromochloromethane	25.0	27.1		ug/L		108	75 - 125
Chloroethane	25.0	23.7		ug/L		95	69 - 136
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	24.6		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	26.2		ug/L		105	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Cyclohexane	25.0	27.8		ug/L		111	59 - 135
Dichlorodifluoromethane	25.0	26.5		ug/L		106	59 - 135
Ethylbenzene	25.0	25.5		ug/L		102	77 - 123
1,2-Dibromoethane	25.0	26.4		ug/L		105	77 - 120
Isopropylbenzene	25.0	25.3		ug/L		101	77 - 122
Methyl acetate	50.0	49.0		ug/L		98	74 - 133
Methyl tert-butyl ether	25.0	26.3		ug/L		105	77 - 120
Methylcyclohexane	25.0	28.1		ug/L		113	68 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-562098/6
Matrix: Water
Analysis Batch: 562098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	24.5		ug/L		98	75 - 124
Styrene	25.0	26.3		ug/L		105	80 - 120
Tetrachloroethene	25.0	27.3		ug/L		109	74 - 122
Toluene	25.0	25.6		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127
trans-1,3-Dichloropropene	25.0	26.2		ug/L		105	80 - 120
Trichloroethene	25.0	26.4		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	27.1		ug/L		108	62 - 150
Vinyl chloride	25.0	26.8		ug/L		107	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: 480-179017-3 MS
Matrix: Water
Analysis Batch: 562098

Client Sample ID: RW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		100	107		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	101		ug/L		101	76 - 120
1,1,2-Trichloroethane	ND		100	105		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	103		ug/L		103	61 - 148
1,1-Dichloroethane	ND		100	106		ug/L		106	77 - 120
1,1-Dichloroethene	ND		100	112		ug/L		112	66 - 127
1,2,4-Trichlorobenzene	ND		100	102		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	ND		100	99.6		ug/L		100	56 - 134
1,2-Dichlorobenzene	ND		100	102		ug/L		102	80 - 124
1,2-Dichloroethane	ND		100	103		ug/L		103	75 - 120
1,2-Dichloropropane	ND		100	103		ug/L		103	76 - 120
1,3-Dichlorobenzene	ND		100	100		ug/L		100	77 - 120
1,4-Dichlorobenzene	ND		100	100		ug/L		100	78 - 124
2-Butanone (MEK)	ND		500	491		ug/L		98	57 - 140
2-Hexanone	ND		500	510		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		500	514		ug/L		103	71 - 125
Acetone	ND		500	424		ug/L		85	56 - 142
Benzene	ND		100	105		ug/L		105	71 - 124
Bromodichloromethane	ND		100	105		ug/L		105	80 - 122
Bromoform	ND		100	96.6		ug/L		97	61 - 132
Bromomethane	ND		100	105		ug/L		105	55 - 144
Carbon disulfide	ND		100	100		ug/L		100	59 - 134
Carbon tetrachloride	ND		100	102		ug/L		102	72 - 134
Chlorobenzene	ND		100	105		ug/L		105	80 - 120
Dibromochloromethane	ND		100	105		ug/L		105	75 - 125
Chloroethane	ND		100	103		ug/L		103	69 - 136
Chloroform	ND		100	101		ug/L		101	73 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-179017-3 MS
Matrix: Water
Analysis Batch: 562098

Client Sample ID: RW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		100	103		ug/L		103	68 - 124
cis-1,2-Dichloroethene	6.0		100	113		ug/L		107	74 - 124
cis-1,3-Dichloropropene	ND		100	96.5		ug/L		97	74 - 124
Cyclohexane	ND		100	114		ug/L		114	59 - 135
Dichlorodifluoromethane	ND		100	111		ug/L		111	59 - 135
Ethylbenzene	ND		100	105		ug/L		105	77 - 123
1,2-Dibromoethane	ND		100	106		ug/L		106	77 - 120
Isopropylbenzene	ND		100	102		ug/L		102	77 - 122
Methyl acetate	ND		200	190		ug/L		95	74 - 133
Methyl tert-butyl ether	ND		100	105		ug/L		105	77 - 120
Methylcyclohexane	ND		100	110		ug/L		110	68 - 134
Methylene Chloride	ND		100	101		ug/L		101	75 - 124
Styrene	ND		100	105		ug/L		105	80 - 120
Tetrachloroethene	210	F1	100	286	F1	ug/L		71	74 - 122
Toluene	ND		100	104		ug/L		104	80 - 122
trans-1,2-Dichloroethene	ND		100	107		ug/L		107	73 - 127
trans-1,3-Dichloropropene	ND		100	96.1		ug/L		96	80 - 120
Trichloroethene	2.8	J	100	110		ug/L		107	74 - 123
Trichlorofluoromethane	ND		100	113		ug/L		113	62 - 150
Vinyl chloride	ND		100	113		ug/L		113	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: 480-179017-3 MSD
Matrix: Water
Analysis Batch: 562098

Client Sample ID: RW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	104		ug/L		104	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		100	102		ug/L		102	76 - 120	0	15
1,1,2-Trichloroethane	ND		100	105		ug/L		105	76 - 122	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	97.7		ug/L		98	61 - 148	6	20
1,1-Dichloroethane	ND		100	101		ug/L		101	77 - 120	4	20
1,1-Dichloroethene	ND		100	106		ug/L		106	66 - 127	5	16
1,2,4-Trichlorobenzene	ND		100	104		ug/L		104	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		100	104		ug/L		104	56 - 134	4	15
1,2-Dichlorobenzene	ND		100	101		ug/L		101	80 - 124	1	20
1,2-Dichloroethane	ND		100	98.3		ug/L		98	75 - 120	4	20
1,2-Dichloropropane	ND		100	99.1		ug/L		99	76 - 120	4	20
1,3-Dichlorobenzene	ND		100	99.3		ug/L		99	77 - 120	1	20
1,4-Dichlorobenzene	ND		100	99.8		ug/L		100	78 - 124	1	20
2-Butanone (MEK)	ND		500	500		ug/L		100	57 - 140	2	20
2-Hexanone	ND		500	523		ug/L		105	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)	ND		500	522		ug/L		104	71 - 125	2	35

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-179017-3 MSD
Matrix: Water
Analysis Batch: 562098

Client Sample ID: RW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		500	450		ug/L		90	56 - 142	6	15
Benzene	ND		100	101		ug/L		101	71 - 124	4	13
Bromodichloromethane	ND		100	102		ug/L		102	80 - 122	2	15
Bromoform	ND		100	98.5		ug/L		98	61 - 132	2	15
Bromomethane	ND		100	100		ug/L		100	55 - 144	5	15
Carbon disulfide	ND		100	95.2		ug/L		95	59 - 134	5	15
Carbon tetrachloride	ND		100	99.9		ug/L		100	72 - 134	3	15
Chlorobenzene	ND		100	103		ug/L		103	80 - 120	2	25
Dibromochloromethane	ND		100	105		ug/L		105	75 - 125	1	15
Chloroethane	ND		100	95.3		ug/L		95	69 - 136	8	15
Chloroform	ND		100	96.2		ug/L		96	73 - 127	5	20
Chloromethane	ND		100	98.6		ug/L		99	68 - 124	5	15
cis-1,2-Dichloroethene	6.0		100	107		ug/L		101	74 - 124	5	15
cis-1,3-Dichloropropene	ND		100	95.5		ug/L		95	74 - 124	1	15
Cyclohexane	ND		100	108		ug/L		108	59 - 135	5	20
Dichlorodifluoromethane	ND		100	102		ug/L		102	59 - 135	8	20
Ethylbenzene	ND		100	103		ug/L		103	77 - 123	2	15
1,2-Dibromoethane	ND		100	105		ug/L		105	77 - 120	1	15
Isopropylbenzene	ND		100	99.8		ug/L		100	77 - 122	2	20
Methyl acetate	ND		200	189		ug/L		95	74 - 133	1	20
Methyl tert-butyl ether	ND		100	102		ug/L		102	77 - 120	3	37
Methylcyclohexane	ND		100	106		ug/L		106	68 - 134	3	20
Methylene Chloride	ND		100	96.1		ug/L		96	75 - 124	5	15
Styrene	ND		100	104		ug/L		104	80 - 120	1	20
Tetrachloroethene	210	F1	100	278	F1	ug/L		63	74 - 122	3	20
Toluene	ND		100	103		ug/L		103	80 - 122	1	15
trans-1,2-Dichloroethene	ND		100	103		ug/L		103	73 - 127	4	20
trans-1,3-Dichloropropene	ND		100	96.9		ug/L		97	80 - 120	1	15
Trichloroethene	2.8	J	100	104		ug/L		101	74 - 123	6	16
Trichlorofluoromethane	ND		100	103		ug/L		103	62 - 150	9	20
Vinyl chloride	ND		100	106		ug/L		106	65 - 133	7	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Method: SM 5310C - TOC

Lab Sample ID: MB 480-563276/60
Matrix: Water
Analysis Batch: 563276

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			12/13/20 05:11	1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: LCS 480-563276/61
Matrix: Water
Analysis Batch: 563276

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon			60.0	59.82		mg/L		100	90 - 110		

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-179017-1

GC/MS VOA

Analysis Batch: 562098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179017-1	RW-1	Total/NA	Water	8260C	
480-179017-2	RW-2	Total/NA	Water	8260C	
480-179017-3	RW-3	Total/NA	Water	8260C	
480-179017-4	DUP	Total/NA	Water	8260C	
480-179017-5	EFFLUENT	Total/NA	Water	8260C	
480-179017-6	TRIP BLANK	Total/NA	Water	8260C	
MB 480-562098/8	Method Blank	Total/NA	Water	8260C	
LCS 480-562098/6	Lab Control Sample	Total/NA	Water	8260C	
480-179017-3 MS	RW-3	Total/NA	Water	8260C	
480-179017-3 MSD	RW-3	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 563276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179017-1	RW-1	Total/NA	Water	SM 5310C	
480-179017-2	RW-2	Total/NA	Water	SM 5310C	
MB 480-563276/60	Method Blank	Total/NA	Water	SM 5310C	
LCS 480-563276/61	Lab Control Sample	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-179017-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: RW-1
Lab Sample ID: 480-179017-1
Date Collected: 12/04/20 13:10
Matrix: Water
Date Received: 12/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	562098	12/06/20 03:48	WJD	TAL BUF
Total/NA	Analysis	SM 5310C		1	563276	12/13/20 07:28	CLA	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-179017-2
Date Collected: 12/04/20 13:15
Matrix: Water
Date Received: 12/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	562098	12/06/20 04:11	WJD	TAL BUF
Total/NA	Analysis	SM 5310C		1	563276	12/13/20 08:14	CLA	TAL BUF

Client Sample ID: RW-3
Lab Sample ID: 480-179017-3
Date Collected: 12/04/20 13:20
Matrix: Water
Date Received: 12/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	562098	12/06/20 04:34	WJD	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-179017-4
Date Collected: 12/04/20 13:20
Matrix: Water
Date Received: 12/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	562098	12/06/20 04:57	WJD	TAL BUF

Client Sample ID: EFFLUENT
Lab Sample ID: 480-179017-5
Date Collected: 12/04/20 13:00
Matrix: Water
Date Received: 12/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	562098	12/06/20 05:20	WJD	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-179017-6
Date Collected: 12/04/20 00:00
Matrix: Water
Date Received: 12/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	562098	12/06/20 05:43	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-179017-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

Method 8260C

Volatile Organic Compounds (GC/MS) by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
RW-1	480-179017-1	103	102	99	101
RW-2	480-179017-2	103	102	100	100
RW-3	480-179017-3	102	100	103	102
DUP	480-179017-4	101	101	101	100
EFFLUENT	480-179017-5	105	101	100	100
TRIP BLANK	480-179017-6	103	102	101	100
	MB 480-562098/8	102	99	101	103
	LCS 480-562098/6	103	101	101	102
RW-3 MS	480-179017-3 MS	103	102	101	102
RW-3 MSD	480-179017-3 MSD	102	100	102	102

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D39934.D

Lab ID: LCS 480-562098/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.8	107	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.4	101	76-120	
1,1,2-Trichloroethane	25.0	26.2	105	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.3	101	61-148	
1,1-Dichloroethane	25.0	26.0	104	77-120	
1,1-Dichloroethene	25.0	26.9	107	66-127	
1,2,4-Trichlorobenzene	25.0	26.6	106	79-122	
1,2-Dibromo-3-Chloropropane	25.0	25.2	101	56-134	
1,2-Dichlorobenzene	25.0	25.5	102	80-124	
1,2-Dichloroethane	25.0	25.5	102	75-120	
1,2-Dichloropropane	25.0	25.5	102	76-120	
1,3-Dichlorobenzene	25.0	25.1	101	77-120	
1,4-Dichlorobenzene	25.0	25.2	101	80-120	
2-Butanone (MEK)	125	123	98	57-140	
2-Hexanone	125	126	101	65-127	
4-Methyl-2-pentanone (MIBK)	125	128	102	71-125	
Acetone	125	111	88	56-142	
Benzene	25.0	25.8	103	71-124	
Bromodichloromethane	25.0	26.8	107	80-122	
Bromoform	25.0	26.5	106	61-132	
Bromomethane	25.0	24.6	98	55-144	
Carbon disulfide	25.0	25.7	103	59-134	
Carbon tetrachloride	25.0	27.6	111	72-134	
Chlorobenzene	25.0	25.7	103	80-120	
Dibromochloromethane	25.0	27.1	108	75-125	
Chloroethane	25.0	23.7	95	69-136	
Chloroform	25.0	24.5	98	73-127	
Chloromethane	25.0	24.6	98	68-124	
cis-1,2-Dichloroethene	25.0	26.2	105	74-124	
cis-1,3-Dichloropropene	25.0	26.2	105	74-124	
Cyclohexane	25.0	27.8	111	59-135	
Dichlorodifluoromethane	25.0	26.5	106	59-135	
Ethylbenzene	25.0	25.5	102	77-123	
1,2-Dibromoethane	25.0	26.4	105	77-120	
Isopropylbenzene	25.0	25.3	101	77-122	
Methyl acetate	50.0	49.0	98	74-133	
Methyl tert-butyl ether	25.0	26.3	105	77-120	
Methylcyclohexane	25.0	28.1	113	68-134	
Methylene Chloride	25.0	24.5	98	75-124	
Styrene	25.0	26.3	105	80-120	
Tetrachloroethene	25.0	27.3	109	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D39934.D

Lab ID: LCS 480-562098/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	25.6	103	80-122	
trans-1,2-Dichloroethene	25.0	26.2	105	73-127	
trans-1,3-Dichloropropene	25.0	26.2	105	80-120	
Trichloroethene	25.0	26.4	106	74-123	
Trichlorofluoromethane	25.0	27.1	108	62-150	
Vinyl chloride	25.0	26.8	107	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D39955.D

Lab ID: 480-179017-3 MS Client ID: RW-3 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	100	ND	107	107	73-126	
1,1,2,2-Tetrachloroethane	100	ND	101	101	76-120	
1,1,2-Trichloroethane	100	ND	105	105	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	100	ND	103	103	61-148	
1,1-Dichloroethane	100	ND	106	106	77-120	
1,1-Dichloroethene	100	ND	112	112	66-127	
1,2,4-Trichlorobenzene	100	ND	102	102	79-122	
1,2-Dibromo-3-Chloropropane	100	ND	99.6	100	56-134	
1,2-Dichlorobenzene	100	ND	102	102	80-124	
1,2-Dichloroethane	100	ND	103	103	75-120	
1,2-Dichloropropane	100	ND	103	103	76-120	
1,3-Dichlorobenzene	100	ND	100	100	77-120	
1,4-Dichlorobenzene	100	ND	100	100	78-124	
2-Butanone (MEK)	500	ND	491	98	57-140	
2-Hexanone	500	ND	510	102	65-127	
4-Methyl-2-pentanone (MIBK)	500	ND	514	103	71-125	
Acetone	500	ND	424	85	56-142	
Benzene	100	ND	105	105	71-124	
Bromodichloromethane	100	ND	105	105	80-122	
Bromoform	100	ND	96.6	97	61-132	
Bromomethane	100	ND	105	105	55-144	
Carbon disulfide	100	ND	100	100	59-134	
Carbon tetrachloride	100	ND	102	102	72-134	
Chlorobenzene	100	ND	105	105	80-120	
Dibromochloromethane	100	ND	105	105	75-125	
Chloroethane	100	ND	103	103	69-136	
Chloroform	100	ND	101	101	73-127	
Chloromethane	100	ND	103	103	68-124	
cis-1,2-Dichloroethene	100	6.0	113	107	74-124	
cis-1,3-Dichloropropene	100	ND	96.5	97	74-124	
Cyclohexane	100	ND	114	114	59-135	
Dichlorodifluoromethane	100	ND	111	111	59-135	
Ethylbenzene	100	ND	105	105	77-123	
1,2-Dibromoethane	100	ND	106	106	77-120	
Isopropylbenzene	100	ND	102	102	77-122	
Methyl acetate	200	ND	190	95	74-133	
Methyl tert-butyl ether	100	ND	105	105	77-120	
Methylcyclohexane	100	ND	110	110	68-134	
Methylene Chloride	100	ND	101	101	75-124	
Styrene	100	ND	105	105	80-120	
Tetrachloroethene	100	210	286	71	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D39955.D

Lab ID: 480-179017-3 MS Client ID: RW-3 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	100	ND	104	104	80-122	
trans-1,2-Dichloroethene	100	ND	107	107	73-127	
trans-1,3-Dichloropropene	100	ND	96.1	96	80-120	
Trichloroethene	100	2.8 J	110	107	74-123	
Trichlorofluoromethane	100	ND	113	113	62-150	
Vinyl chloride	100	ND	113	113	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D39956.D

Lab ID: 480-179017-3 MSD Client ID: RW-3 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	100	104	104	3	15	73-126	
1,1,2,2-Tetrachloroethane	100	102	102	0	15	76-120	
1,1,2-Trichloroethane	100	105	105	1	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	100	97.7	98	6	20	61-148	
1,1-Dichloroethane	100	101	101	4	20	77-120	
1,1-Dichloroethene	100	106	106	5	16	66-127	
1,2,4-Trichlorobenzene	100	104	104	2	20	79-122	
1,2-Dibromo-3-Chloropropane	100	104	104	4	15	56-134	
1,2-Dichlorobenzene	100	101	101	1	20	80-124	
1,2-Dichloroethane	100	98.3	98	4	20	75-120	
1,2-Dichloropropane	100	99.1	99	4	20	76-120	
1,3-Dichlorobenzene	100	99.3	99	1	20	77-120	
1,4-Dichlorobenzene	100	99.8	100	1	20	78-124	
2-Butanone (MEK)	500	500	100	2	20	57-140	
2-Hexanone	500	523	105	3	15	65-127	
4-Methyl-2-pentanone (MIBK)	500	522	104	2	35	71-125	
Acetone	500	450	90	6	15	56-142	
Benzene	100	101	101	4	13	71-124	
Bromodichloromethane	100	102	102	2	15	80-122	
Bromoform	100	98.5	98	2	15	61-132	
Bromomethane	100	100	100	5	15	55-144	
Carbon disulfide	100	95.2	95	5	15	59-134	
Carbon tetrachloride	100	99.9	100	3	15	72-134	
Chlorobenzene	100	103	103	2	25	80-120	
Dibromochloromethane	100	105	105	1	15	75-125	
Chloroethane	100	95.3	95	8	15	69-136	
Chloroform	100	96.2	96	5	20	73-127	
Chloromethane	100	98.6	99	5	15	68-124	
cis-1,2-Dichloroethene	100	107	101	5	15	74-124	
cis-1,3-Dichloropropene	100	95.5	95	1	15	74-124	
Cyclohexane	100	108	108	5	20	59-135	
Dichlorodifluoromethane	100	102	102	8	20	59-135	
Ethylbenzene	100	103	103	2	15	77-123	
1,2-Dibromoethane	100	105	105	1	15	77-120	
Isopropylbenzene	100	99.8	100	2	20	77-122	
Methyl acetate	200	189	95	1	20	74-133	
Methyl tert-butyl ether	100	102	102	3	37	77-120	
Methylcyclohexane	100	106	106	3	20	68-134	
Methylene Chloride	100	96.1	96	5	15	75-124	
Styrene	100	104	104	1	20	80-120	
Tetrachloroethene	100	278	63	3	20	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D39956.D

Lab ID: 480-179017-3 MSD Client ID: RW-3 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	100	103	103	1	15	80-122	
trans-1,2-Dichloroethene	100	103	103	4	20	73-127	
trans-1,3-Dichloropropene	100	96.9	97	1	15	80-120	
Trichloroethene	100	104	101	6	16	74-123	
Trichlorofluoromethane	100	103	103	9	20	62-150	
Vinyl chloride	100	106	106	7	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Lab File ID: D39936.D Lab Sample ID: MB 480-562098/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5975D Date Analyzed: 12/05/2020 23:11

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-562098/6	D39934.D	12/05/2020 22:25
RW-1	480-179017-1	D39948.D	12/06/2020 03:48
RW-2	480-179017-2	D39949.D	12/06/2020 04:11
RW-3	480-179017-3	D39950.D	12/06/2020 04:34
DUP	480-179017-4	D39951.D	12/06/2020 04:57
EFFLUENT	480-179017-5	D39952.D	12/06/2020 05:20
TRIP BLANK	480-179017-6	D39953.D	12/06/2020 05:43
RW-3 MS	480-179017-3 MS	D39955.D	12/06/2020 06:30
RW-3 MSD	480-179017-3 MSD	D39956.D	12/06/2020 06:53

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Lab File ID: D39222.D BFB Injection Date: 12/01/2020

Instrument ID: HP5975D BFB Injection Time: 14:52

Analysis Batch No.: 561477

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.9	
75	30.0 - 60.0 % of mass 95	43.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.4	(0.4) 1
174	Greater than 50% of mass 95	90.2	
175	5.0 - 9.0 % of mass 174	7.0	(7.8) 1
176	95.0 - 101.0 % of mass 174	86.4	(95.8) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-561477/3	D39224.D	12/01/2020	15:38
	IC 480-561477/4	D39225.D	12/01/2020	16:01
	IC 480-561477/5	D39226.D	12/01/2020	16:24
	IC 480-561477/6	D39227.D	12/01/2020	16:48
	IC 480-561477/7	D39228.D	12/01/2020	17:11
	ICIS 480-561477/8	D39229.D	12/01/2020	17:35
	IC 480-561477/9	D39230.D	12/01/2020	17:58
	IC 480-561477/10	D39231.D	12/01/2020	18:22

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Lab File ID: D39260.D BFB Injection Date: 12/03/2020

Instrument ID: HP5975D BFB Injection Time: 09:15

Analysis Batch No.: 561755

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.9	
75	30.0 - 60.0 % of mass 95	43.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	89.9	
175	5.0 - 9.0 % of mass 174	6.7	(7.4) 1
176	95.0 - 101.0 % of mass 174	87.6	(97.5) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.2) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 480-561755/3	D39261.D	12/03/2020	9:37

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Lab File ID: D39931.D BFB Injection Date: 12/05/2020

Instrument ID: HP5975D BFB Injection Time: 21:16

Analysis Batch No.: 562098

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.7	
75	30.0 - 60.0 % of mass 95	44.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	93.1	
175	5.0 - 9.0 % of mass 174	7.2	(7.7) 1
176	95.0 - 101.0 % of mass 174	89.0	(95.6) 1
177	5.0 - 9.0 % of mass 176	5.7	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-562098/4	D39932.D	12/05/2020	21:39
	LCS 480-562098/6	D39934.D	12/05/2020	22:25
	MB 480-562098/8	D39936.D	12/05/2020	23:11
RW-1	480-179017-1	D39948.D	12/06/2020	3:48
RW-2	480-179017-2	D39949.D	12/06/2020	4:11
RW-3	480-179017-3	D39950.D	12/06/2020	4:34
DUP	480-179017-4	D39951.D	12/06/2020	4:57
EFFLUENT	480-179017-5	D39952.D	12/06/2020	5:20
TRIP BLANK	480-179017-6	D39953.D	12/06/2020	5:43
RW-3 MS	480-179017-3 MS	D39955.D	12/06/2020	6:30
RW-3 MSD	480-179017-3 MSD	D39956.D	12/06/2020	6:53

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Sample No.: ICIS 480-561477/8 Date Analyzed: 12/01/2020 17:35

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): D39229.D Heated Purge: (Y/N) N

Calibration ID: 40711

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		145283	5.45	316887	7.83	350998	9.76
UPPER LIMIT		290566	5.95	633774	8.33	701996	10.26
LOWER LIMIT		72642	4.95	158444	7.33	175499	9.26
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-562098/4		142679	5.43	309415	7.81	344113	9.74

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Sample No.: CCVIS 480-562098/4 Date Analyzed: 12/05/2020 21:39

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): D39932.D Heated Purge: (Y/N) N

Calibration ID: 40714

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		142679	5.43	309415	7.81	344113	9.74
UPPER LIMIT		285358	5.93	618830	8.31	688226	10.24
LOWER LIMIT		71340	4.93	154708	7.31	172057	9.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-562098/6		143472	5.43	312565	7.81	352164	9.74
MB 480-562098/8		147824	5.43	318646	7.81	357653	9.74
480-179017-1	RW-1	140261	5.43	311838	7.81	346079	9.74
480-179017-2	RW-2	143512	5.43	316703	7.81	346944	9.74
480-179017-3	RW-3	144880	5.43	312213	7.81	349490	9.74
480-179017-4	DUP	144533	5.43	313345	7.81	344135	9.74
480-179017-5	EFFLUENT	140778	5.43	313713	7.81	345839	9.74
480-179017-6	TRIP BLANK	141800	5.43	311612	7.81	347812	9.74
480-179017-3 MS	RW-3 MS	140042	5.43	305880	7.81	341302	9.74
480-179017-3 MSD	RW-3 MSD	142600	5.43	305718	7.81	344329	9.74

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: RW-1 Lab Sample ID: 480-179017-1

Matrix: Water Lab File ID: D39948.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:10

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 03:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	0.54	J	1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: RW-1 Lab Sample ID: 480-179017-1

Matrix: Water Lab File ID: D39948.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:10

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 03:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	10		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	0.71	J	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39948.D
Lims ID: 480-179017-A-1
Client ID: RW-1
Sample Type: Client
Inject. Date: 06-Dec-2020 03:48:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-179017-A-1
Misc. Info.: 480-0095449-020
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2020 11:42:21 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: izquierdoo Date: 06-Dec-2020 11:42:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	98	140261	25.0	
* 2 Chlorobenzene-d5	82	7.811	7.812	-0.001	86	311838	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	95	346079	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.940	0.000	93	214724	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.209	-0.001	97	119822	25.5	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	95	738695	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.769	0.000	93	259578	25.1	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.654				ND	
13 Vinyl chloride	62		1.758				ND	U
14 Bromomethane	94		2.130				ND	U
15 Chloroethane	64		2.233				ND	
17 Trichlorofluoromethane	101		2.453				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.971				ND	
22 1,1-Dichloroethene	96		2.989				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76	3.184	3.191	0.000	97	12498	0.5406	
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.501				ND	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	98	205317	10.3	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	95	2958	0.4065	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96	4.544	4.544	0.000	79	4003	0.4824	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.806				ND	
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.026				ND	
57 Benzene	78		5.208				ND	
58 1,2-Dichloroethane	62		5.263				ND	
62 Trichloroethene	95	5.708	5.708	0.000	91	2241	0.2814	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	U
74 Toluene	92	6.696	6.696	0.000	97	14117	0.7113	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166	7.116	7.124	-0.001	84	1571	0.1823	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.885				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.415				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00025 Amount Added: 1.00 Units: uL Run Reagent

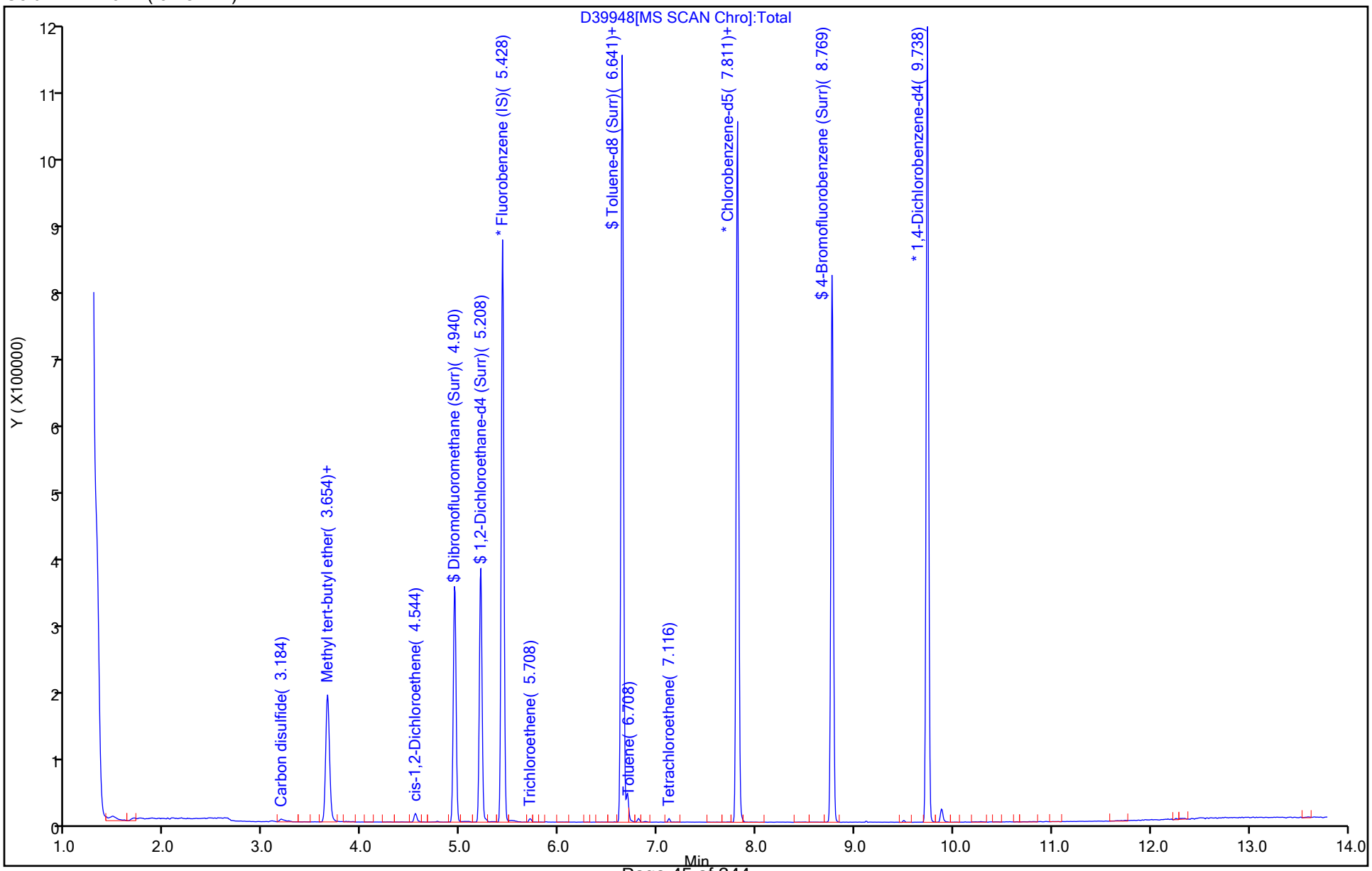
Report Date: 06-Dec-2020 11:42:21 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39948.D

Injection Date:	06-Dec-2020 03:48:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-179017-A-1	Lab Sample ID:	480-179017-1	Worklist Smp#:	20
Client ID:	RW-1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



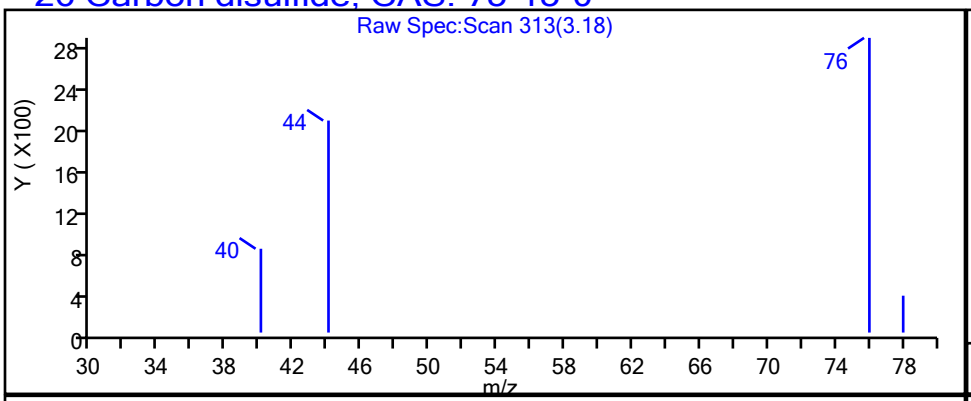
Report Date: 06-Dec-2020 11:42:21 Chrom Revision: 2.3 12-Nov-2020 21:52:08

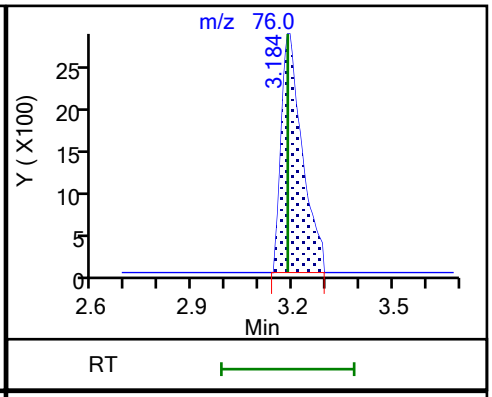
Eurofins TestAmerica, Buffalo

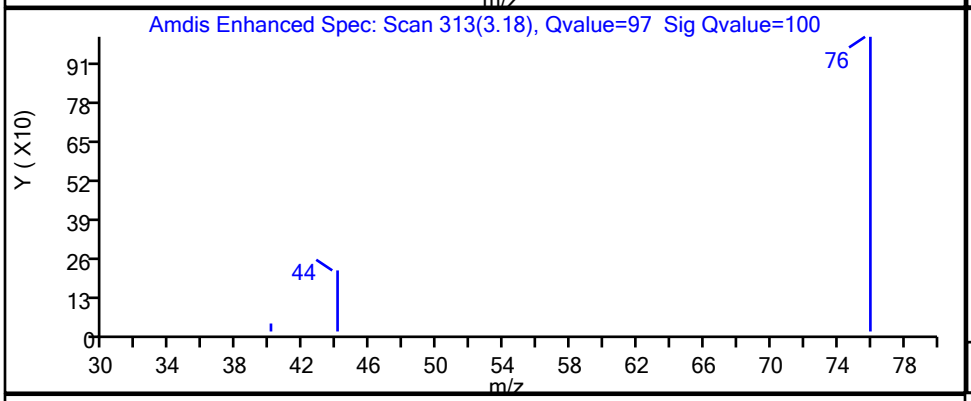
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39948.D

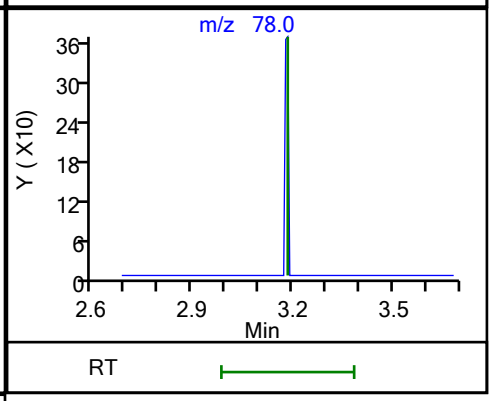
Injection Date:	06-Dec-2020 03:48:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-1	Lab Sample ID:	480-179017-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

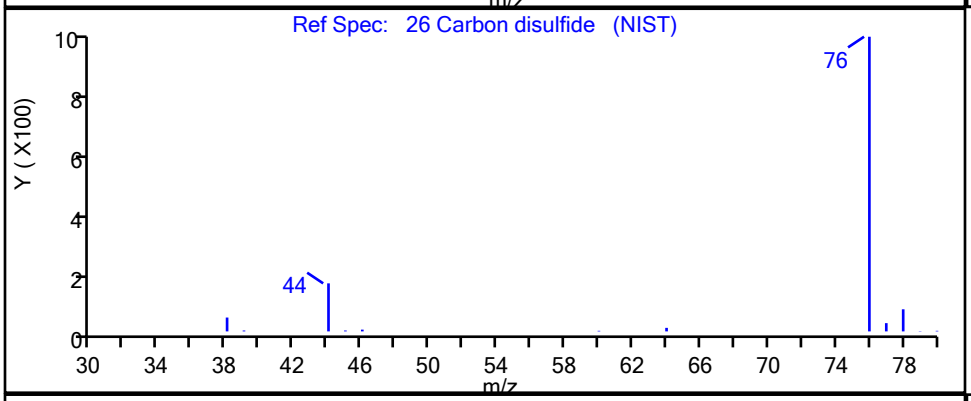
26 Carbon disulfide, CAS: 75-15-0

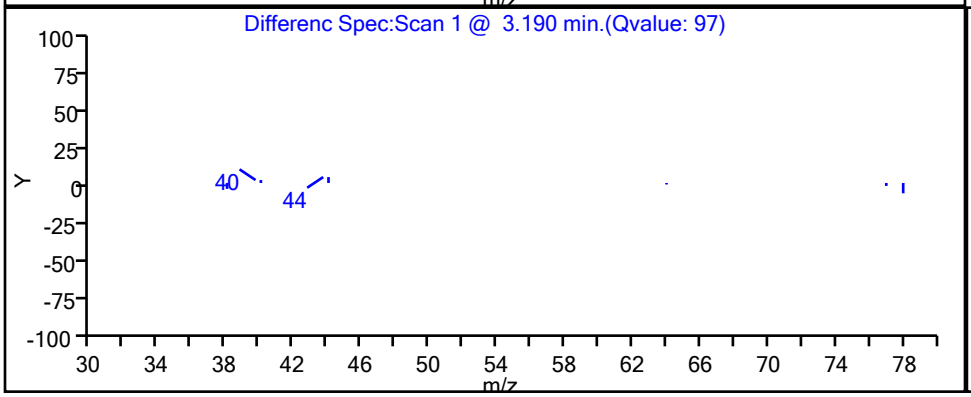


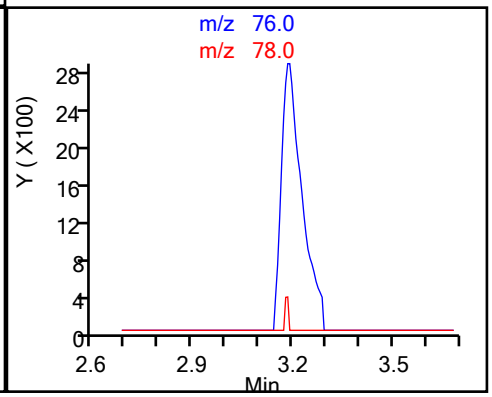












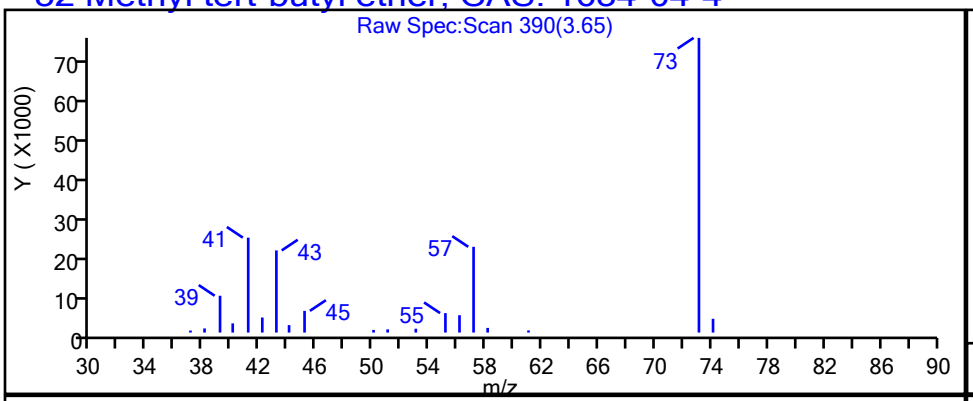
Report Date: 06-Dec-2020 11:42:21 Chrom Revision: 2.3 12-Nov-2020 21:52:08

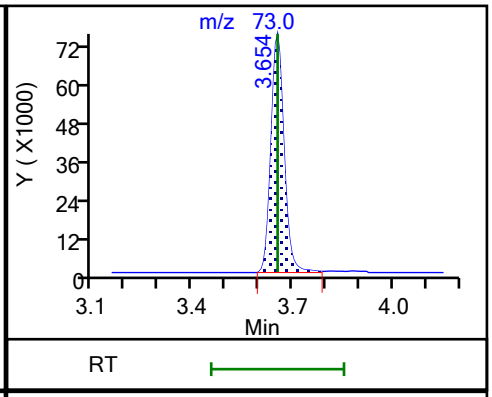
Eurofins TestAmerica, Buffalo

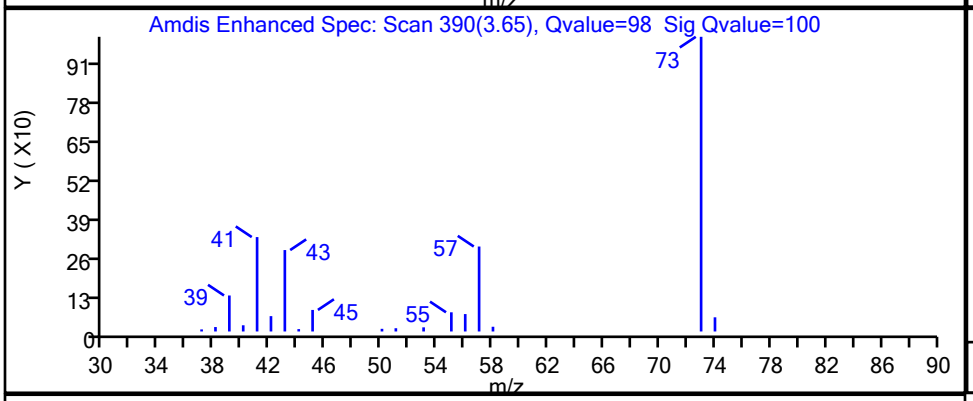
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39948.D

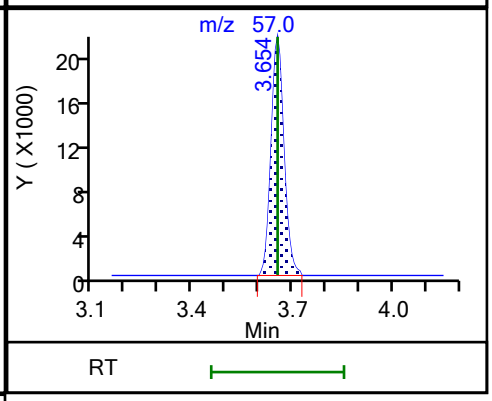
Injection Date:	06-Dec-2020 03:48:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-1	Lab Sample ID:	480-179017-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

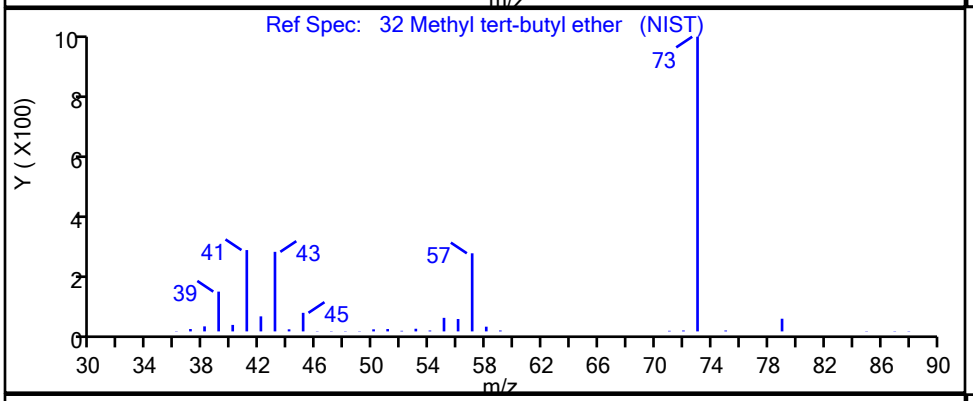
32 Methyl tert-butyl ether, CAS: 1634-04-4

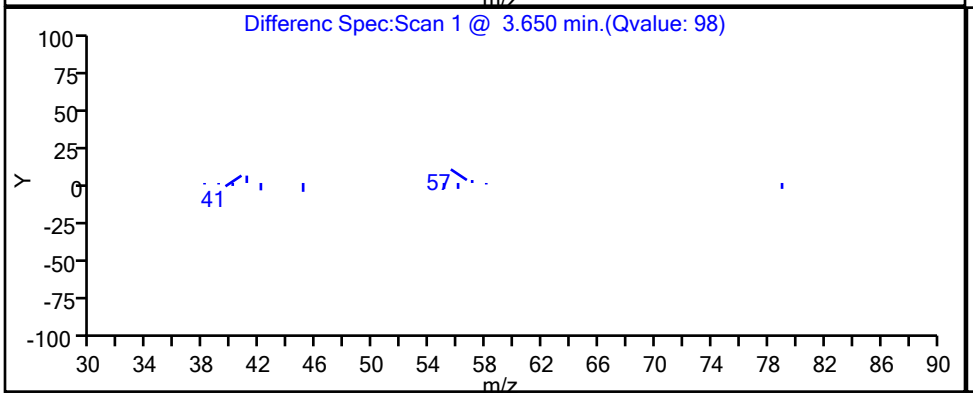


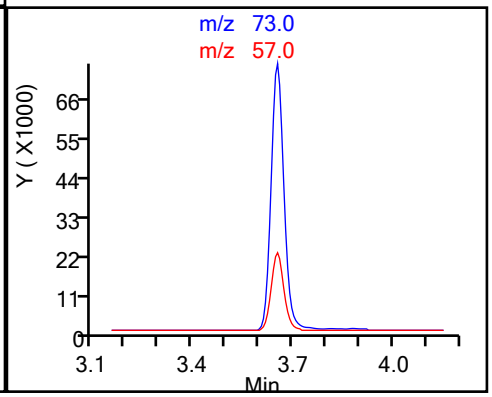












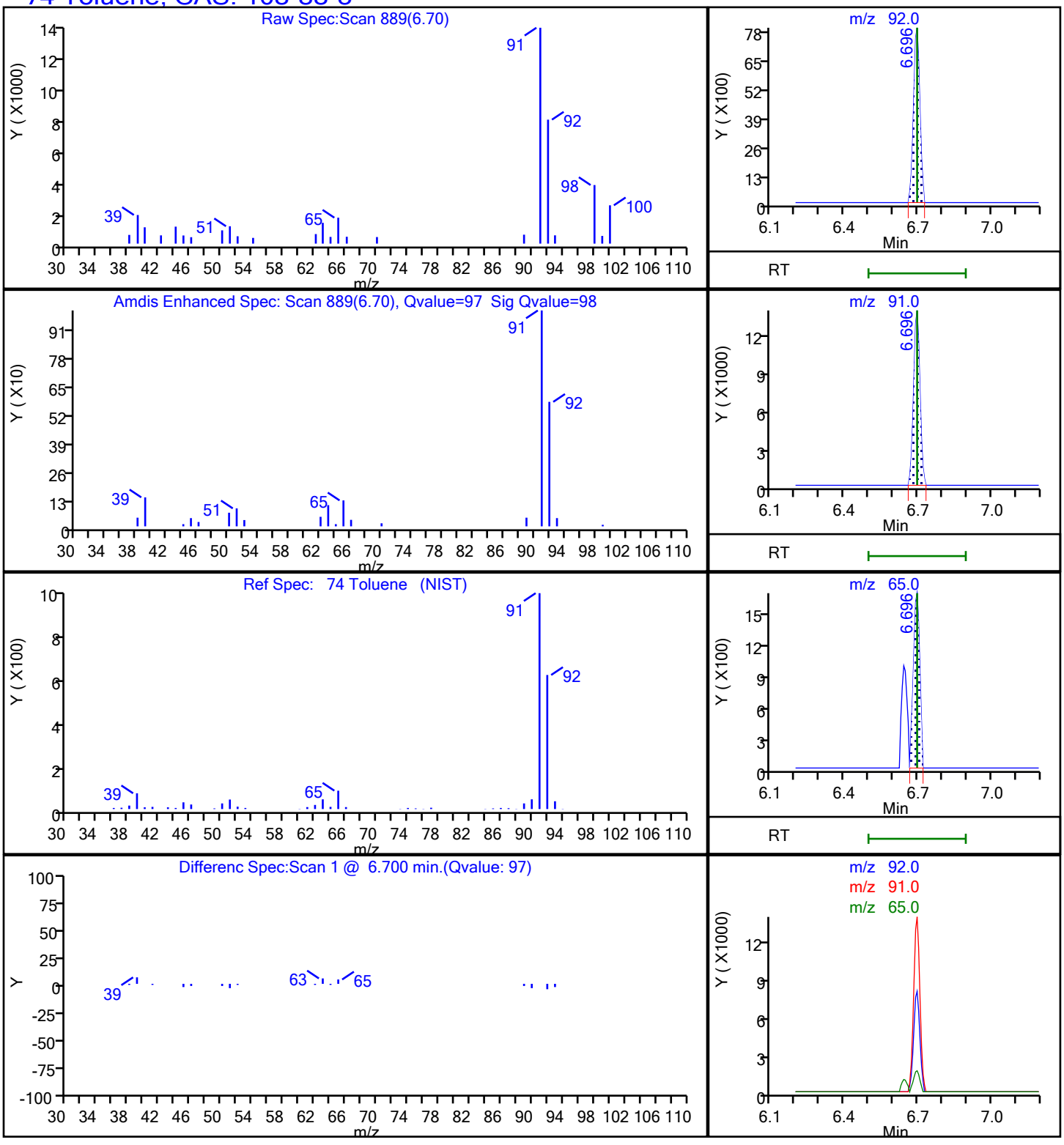
Report Date: 06-Dec-2020 11:42:22 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39948.D

Injection Date:	06-Dec-2020 03:48:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-1	Lab Sample ID:	480-179017-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3



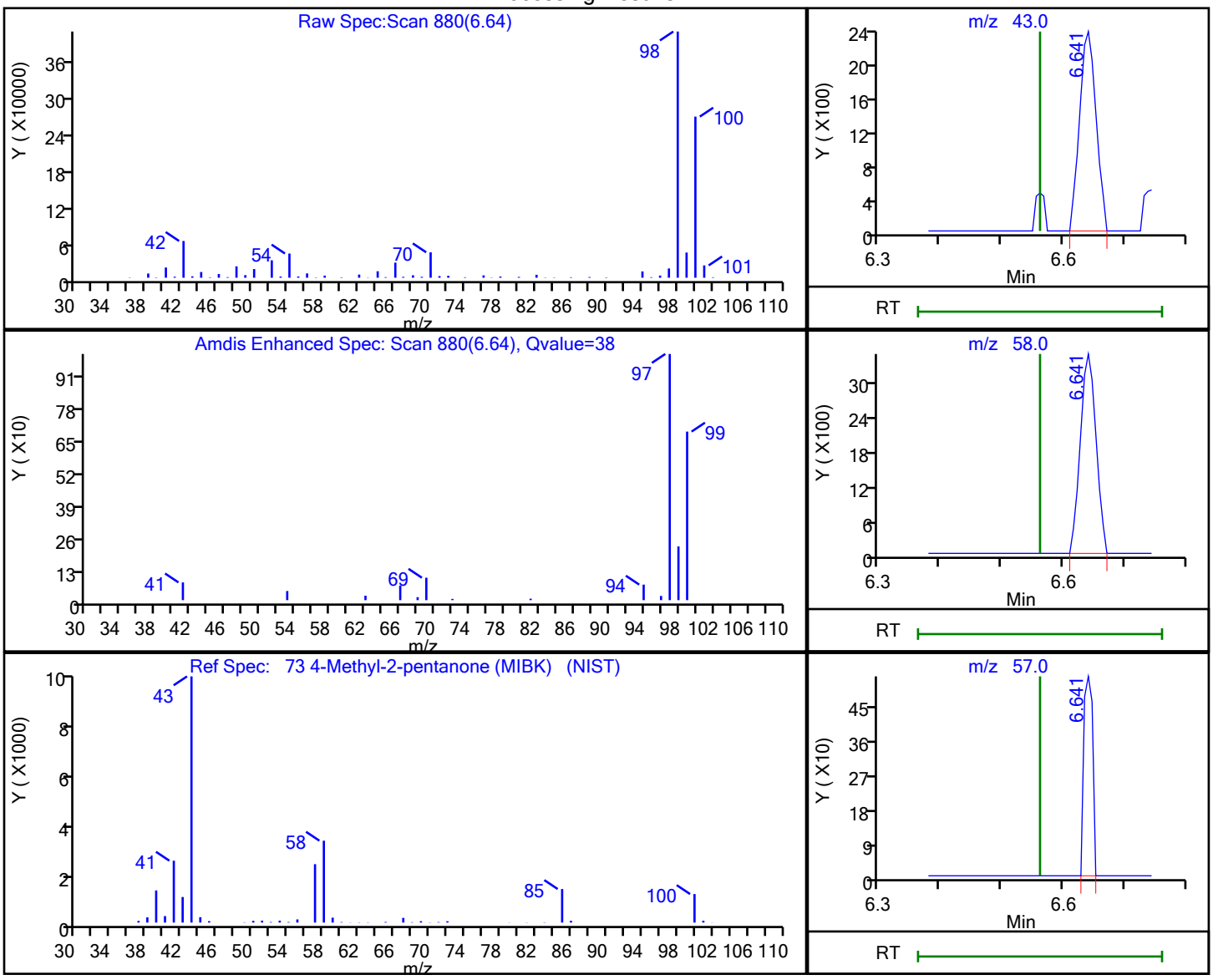
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39948.D				
Injection Date:	06-Dec-2020 03:48:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-1	Lab Sample ID:	480-179017-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.64	43.00	4335	0.363618
6.64	58.00	6231	
6.64	57.00	528	

Reviewer: izquierdoo, 06-Dec-2020 11:42:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

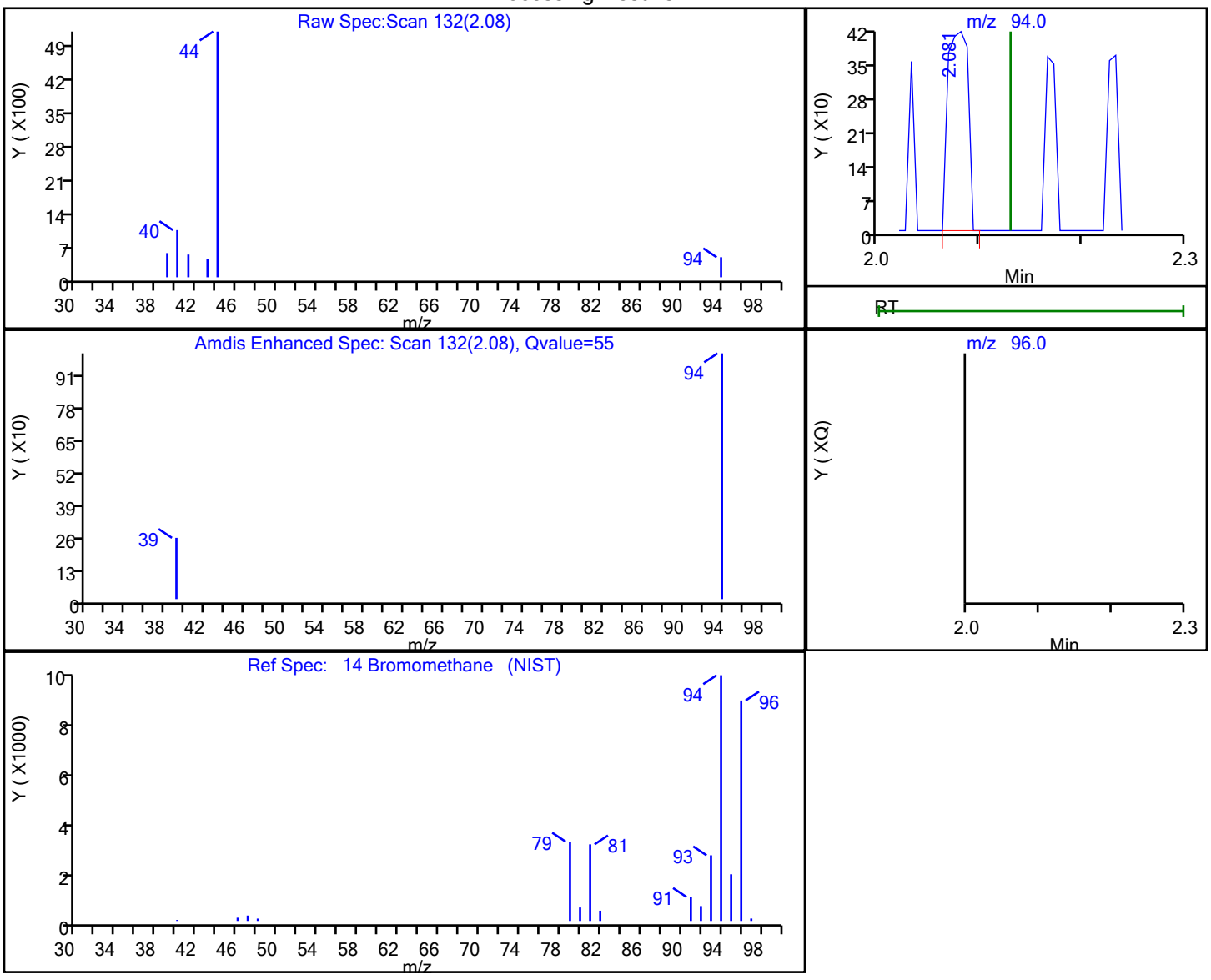
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39948.D				
Injection Date:	06-Dec-2020 03:48:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-1	Lab Sample ID:	480-179017-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.08	94.00	580	0.105805
2.13	96.00	0	

Reviewer: izquierdoo, 06-Dec-2020 11:42:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

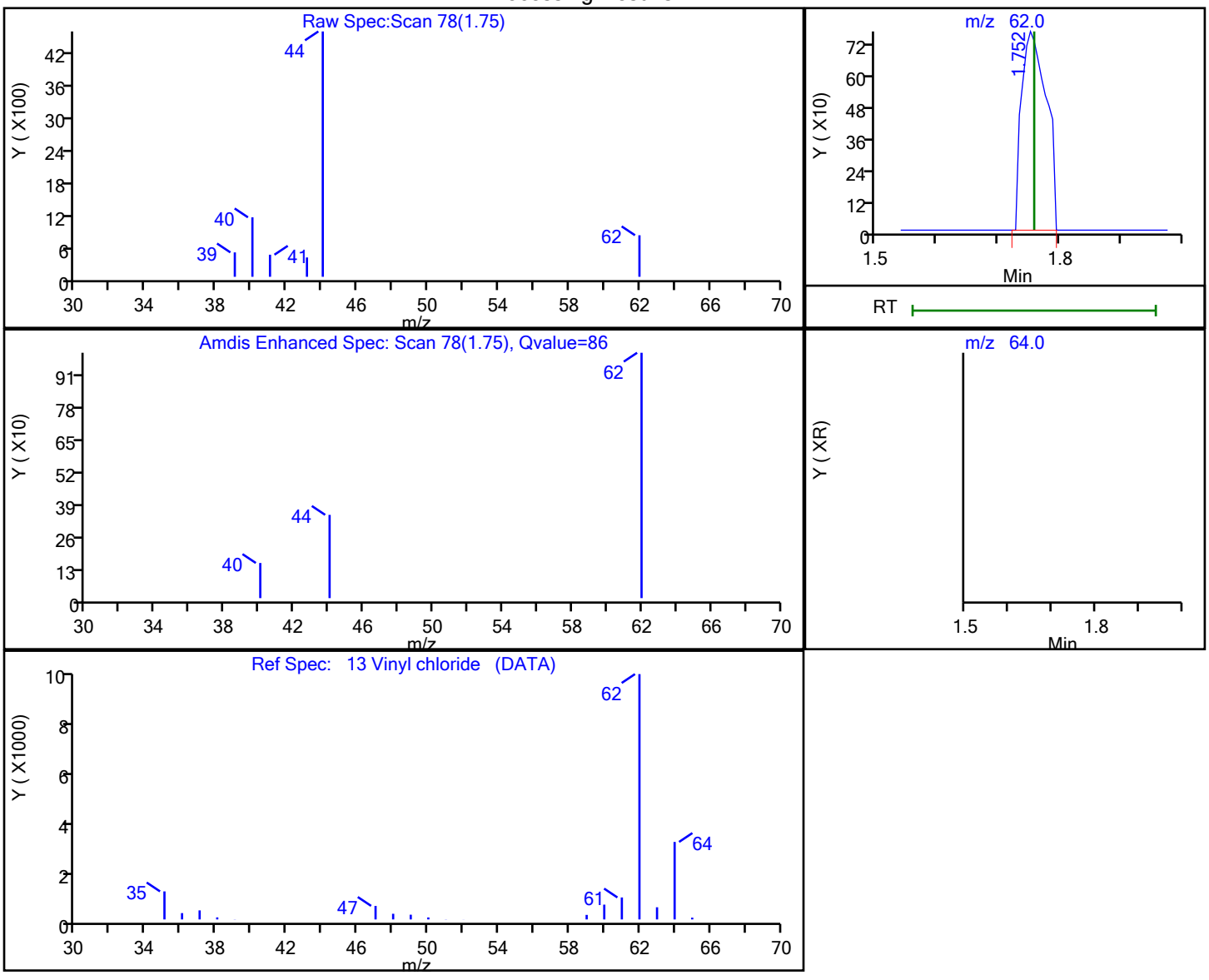
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39948.D				
Injection Date:	06-Dec-2020 03:48:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-1	Lab Sample ID:	480-179017-1		
Client ID:	RW-1				
Operator ID:	OI	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.75	62.00	2170	0.262885
1.76	64.00	0	

Reviewer: izquierdoo, 06-Dec-2020 11:42:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: RW-2 Lab Sample ID: 480-179017-2

Matrix: Water Lab File ID: D39949.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:15

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 04:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.38	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: RW-2 Lab Sample ID: 480-179017-2

Matrix: Water Lab File ID: D39949.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:15

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 04:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	32		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	2.4		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39949.D
Lims ID: 480-179017-A-2
Client ID: RW-2
Sample Type: Client
Inject. Date: 06-Dec-2020 04:11:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-179017-A-2
Misc. Info.: 480-0095449-021
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2020 11:42:57 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: izquierdoo Date: 06-Dec-2020 11:42:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	98	143512	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	87	316703	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	95	346944	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.940	0.000	93	221270	25.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.209	-0.001	97	122481	25.5	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	95	754989	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.769	0.000	93	262252	25.0	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.654				ND	
13 Vinyl chloride	62	1.764	1.758	0.006	95	6344	0.7511	
14 Bromomethane	94		2.130				ND	U
15 Chloroethane	64		2.233				ND	
17 Trichlorofluoromethane	101		2.453				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.971				ND	
22 1,1-Dichloroethene	96		2.989				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76		3.184				ND	U
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.501				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96	4.550	4.544	0.006	83	10018	1.18	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83	4.812	4.806	0.006	92	5759	0.3846	
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.026				ND	
57 Benzene	78		5.208				ND	
58 1,2-Dichloroethane	62		5.263				ND	
62 Trichloroethene	95	5.708	5.708	0.000	94	19704	2.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	U
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166	7.117	7.124	0.000	96	277795	31.7	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.885				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.415				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00025 Amount Added: 1.00 Units: uL Run Reagent

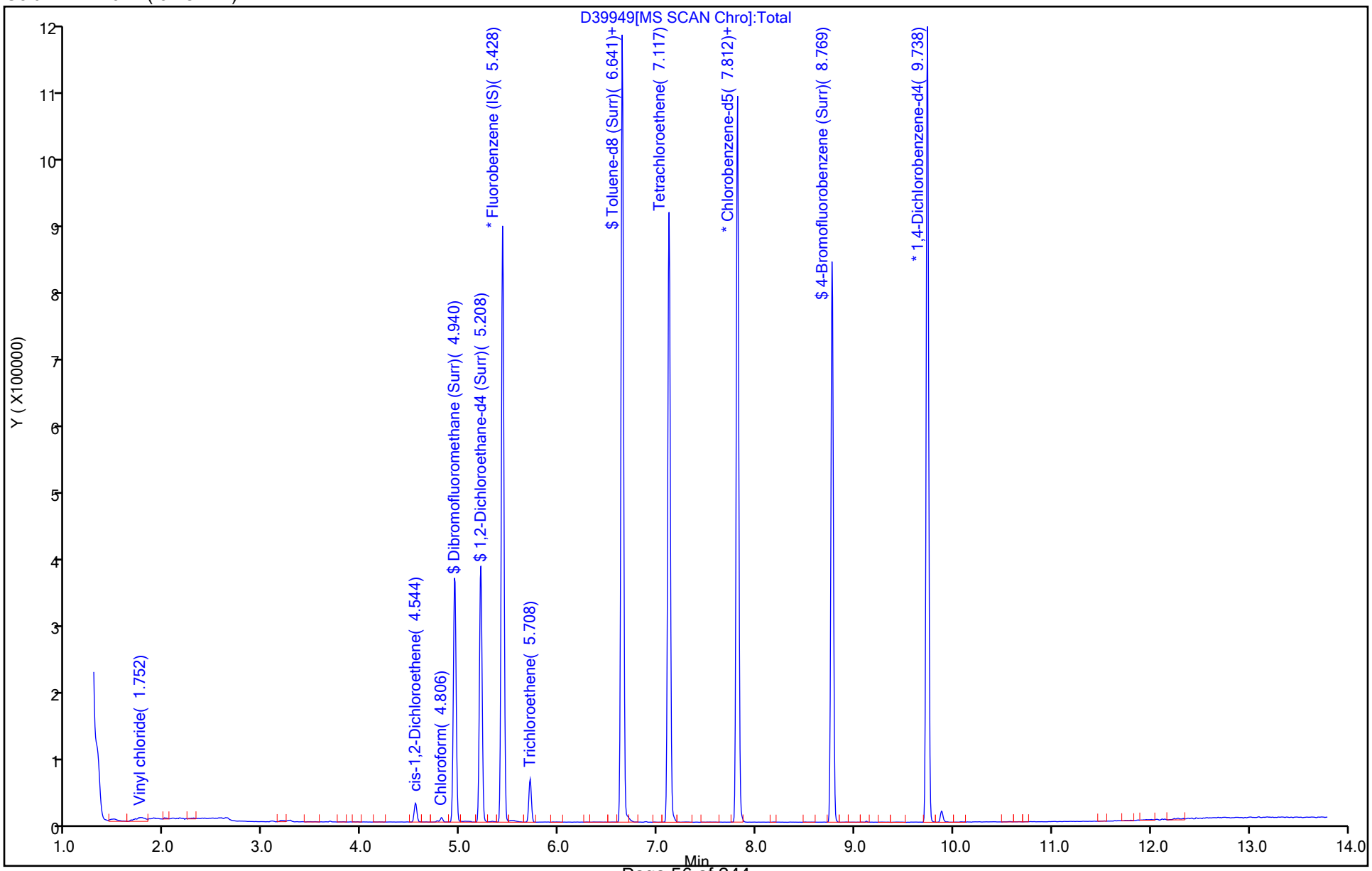
Report Date: 06-Dec-2020 11:42:57 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39949.D

Injection Date:	06-Dec-2020 04:11:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-179017-A-2	Lab Sample ID:	480-179017-2	Worklist Smp#:	21
Client ID:	RW-2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



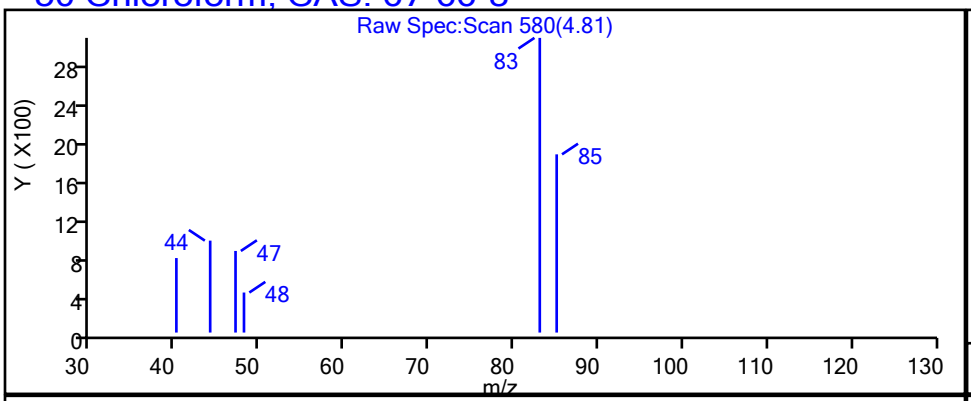
Report Date: 06-Dec-2020 11:42:58 Chrom Revision: 2.3 12-Nov-2020 21:52:08

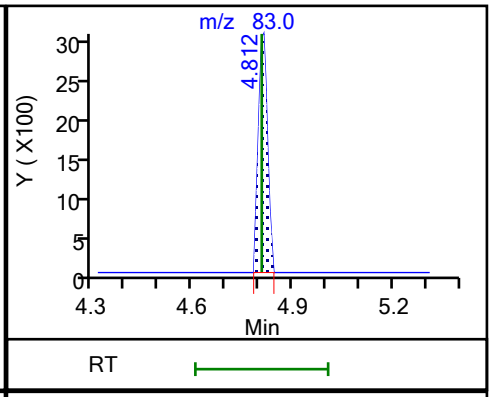
Eurofins TestAmerica, Buffalo

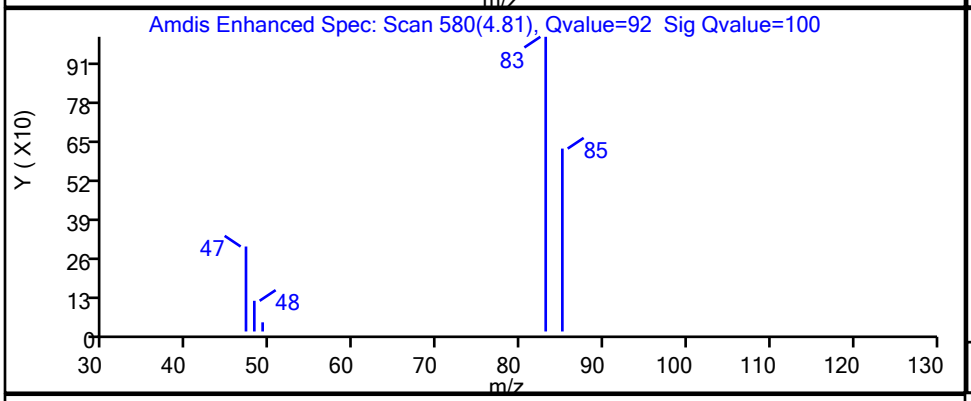
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39949.D

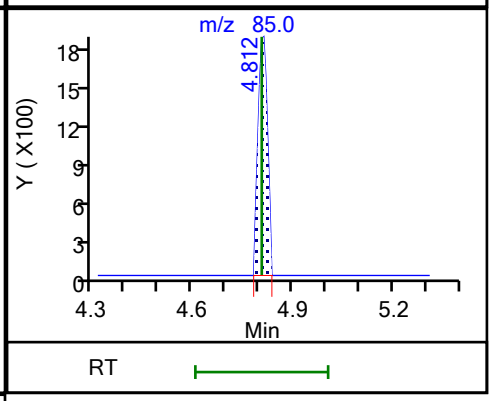
Injection Date:	06-Dec-2020 04:11:30	Instrument ID:	HP5975D
Lims ID:	480-179017-A-2	Lab Sample ID:	480-179017-2
Client ID:	RW-2		
Operator ID:	OI	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

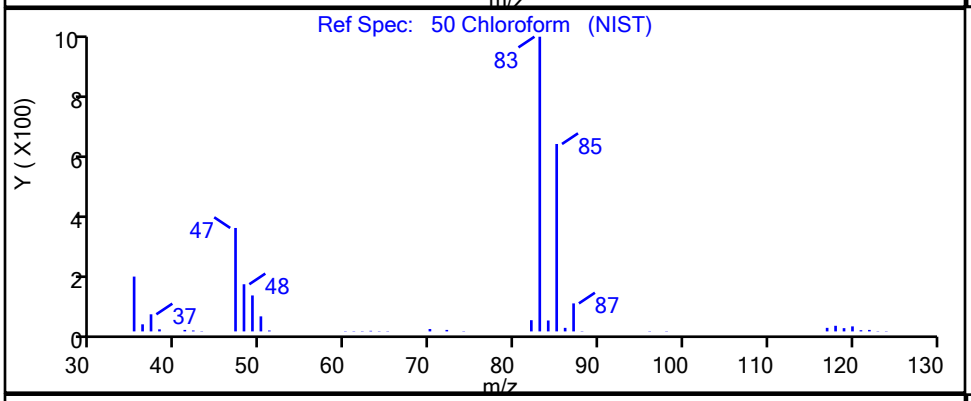
50 Chloroform, CAS: 67-66-3

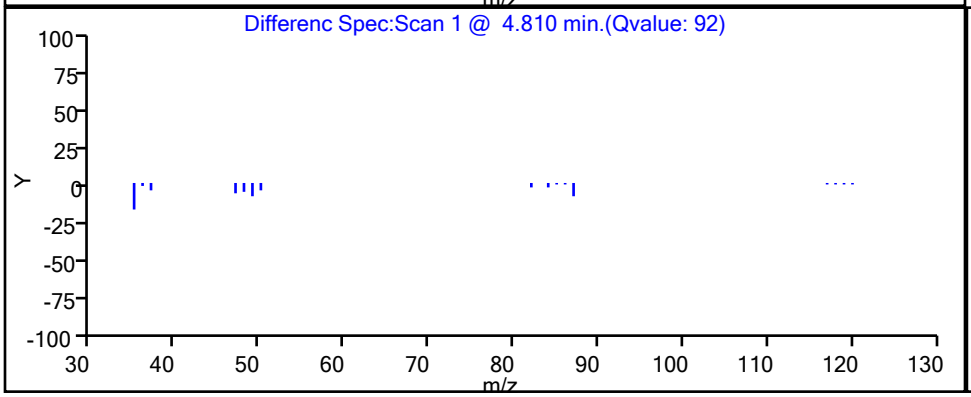


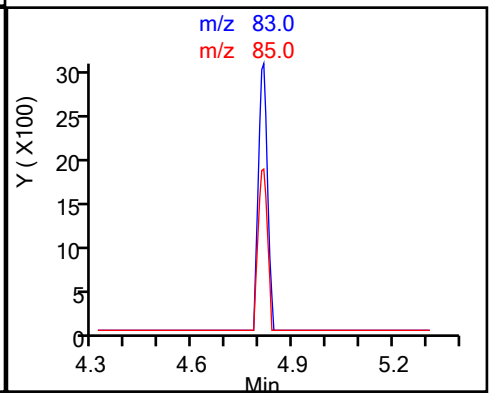












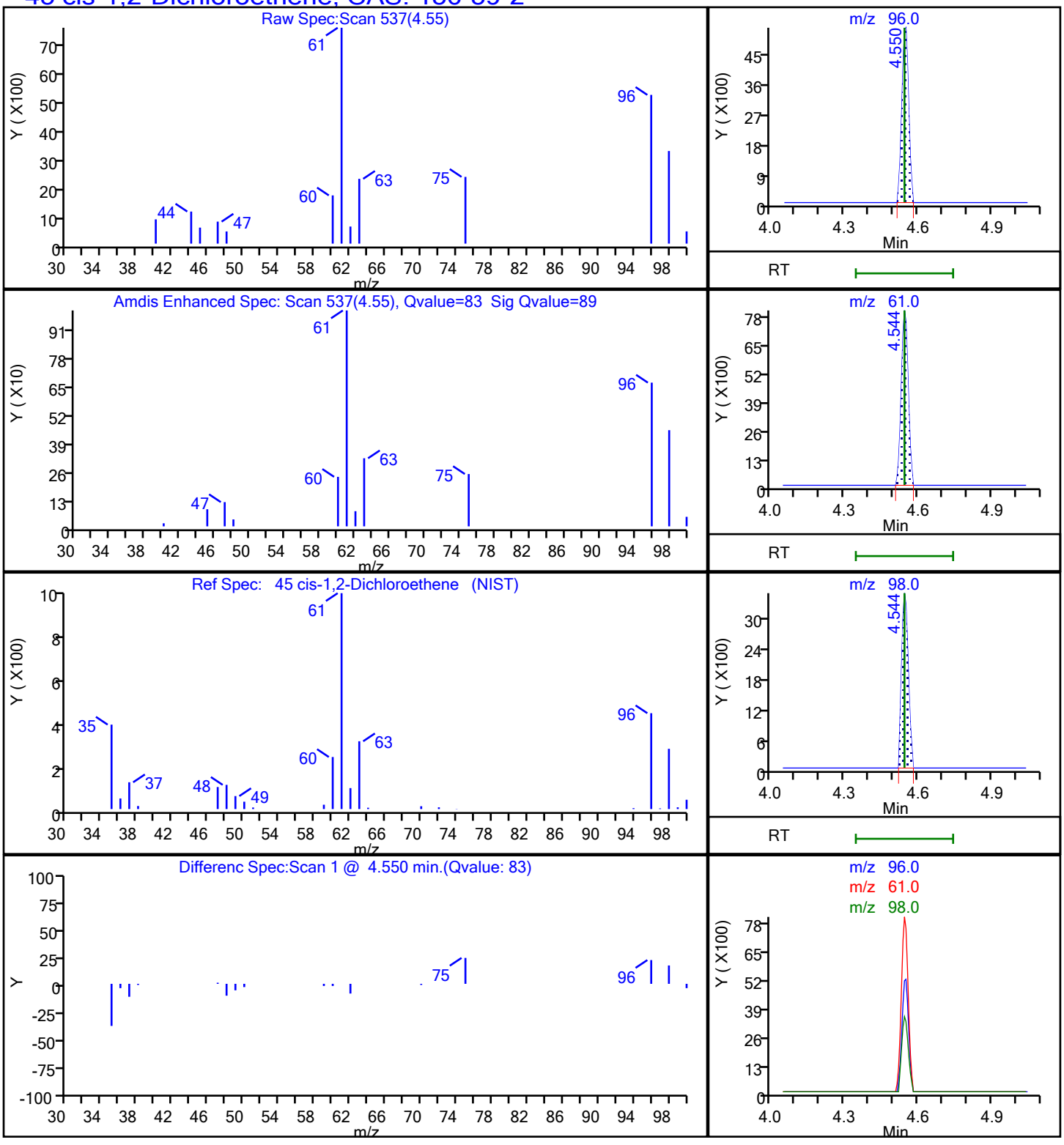
Report Date: 06-Dec-2020 11:42:58 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39949.D

Injection Date:	06-Dec-2020 04:11:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-2	Lab Sample ID:	480-179017-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2



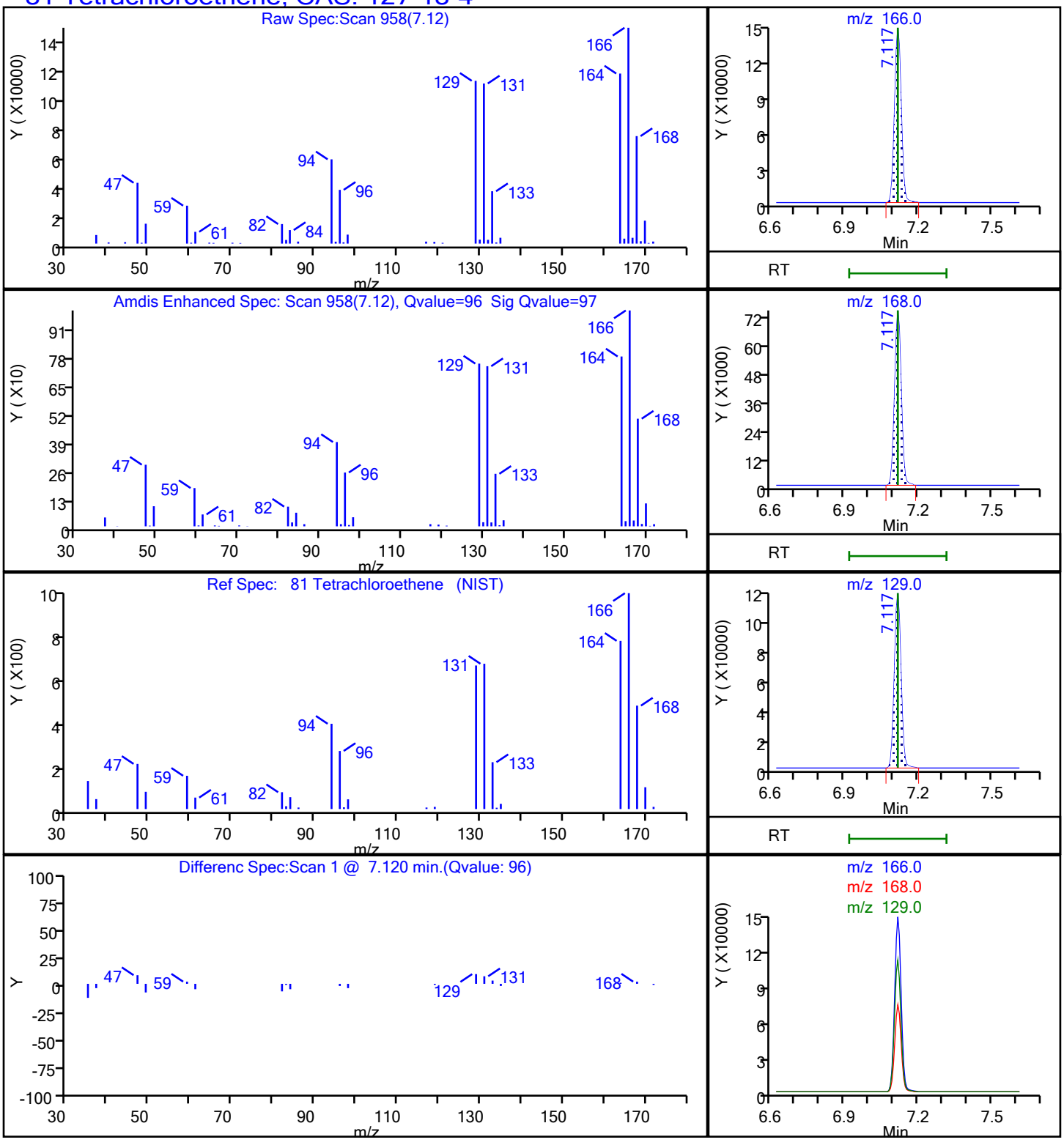
Report Date: 06-Dec-2020 11:42:58 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39949.D

Injection Date:	06-Dec-2020 04:11:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-2	Lab Sample ID:	480-179017-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4



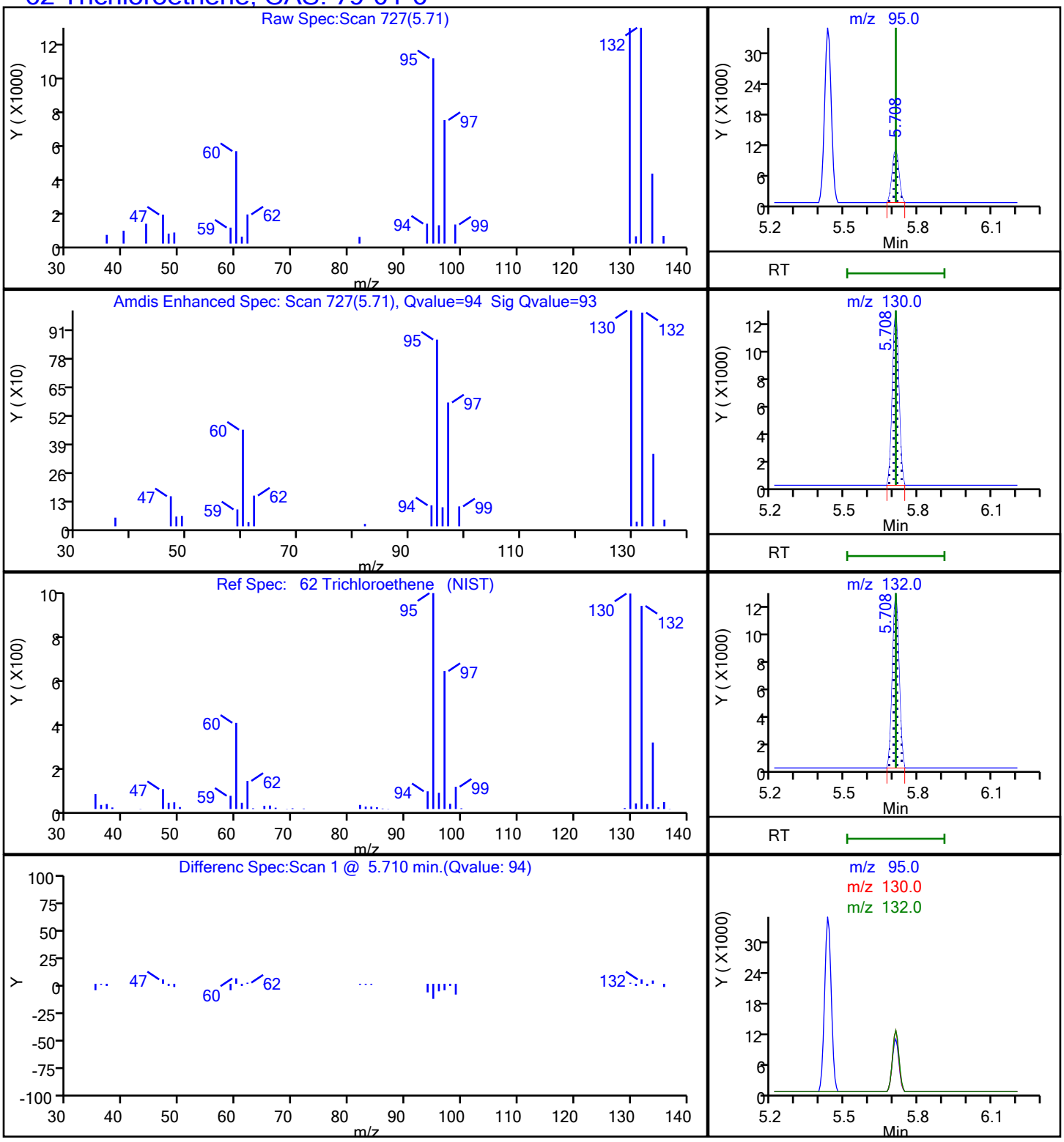
Report Date: 06-Dec-2020 11:42:58 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39949.D

Injection Date:	06-Dec-2020 04:11:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-2	Lab Sample ID:	480-179017-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



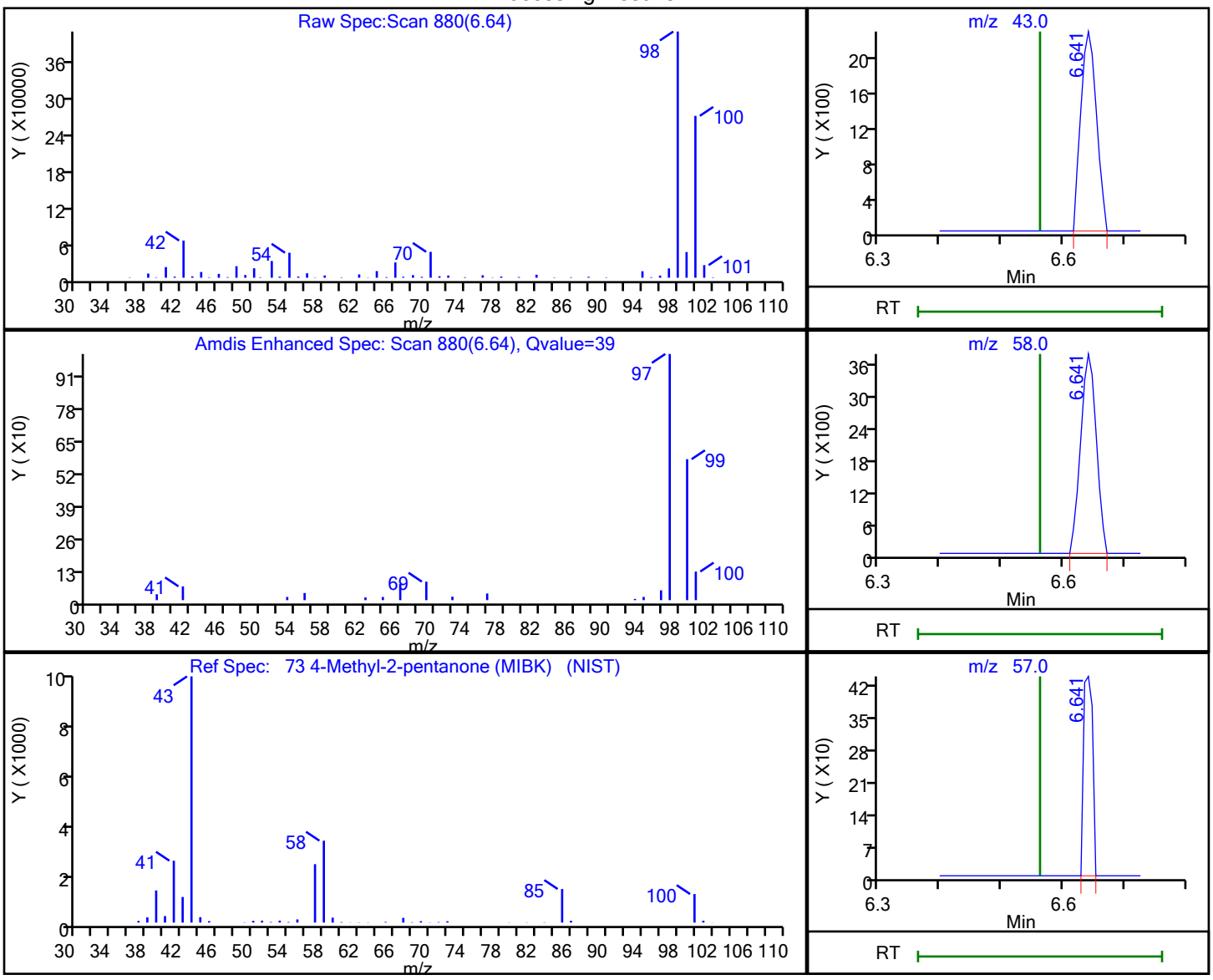
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39949.D				
Injection Date:	06-Dec-2020 04:11:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-2	Lab Sample ID:	480-179017-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.64	43.00	4092	0.337962
6.64	58.00	6644	
6.64	57.00	447	

Reviewer: izquierdoo, 06-Dec-2020 11:42:36

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

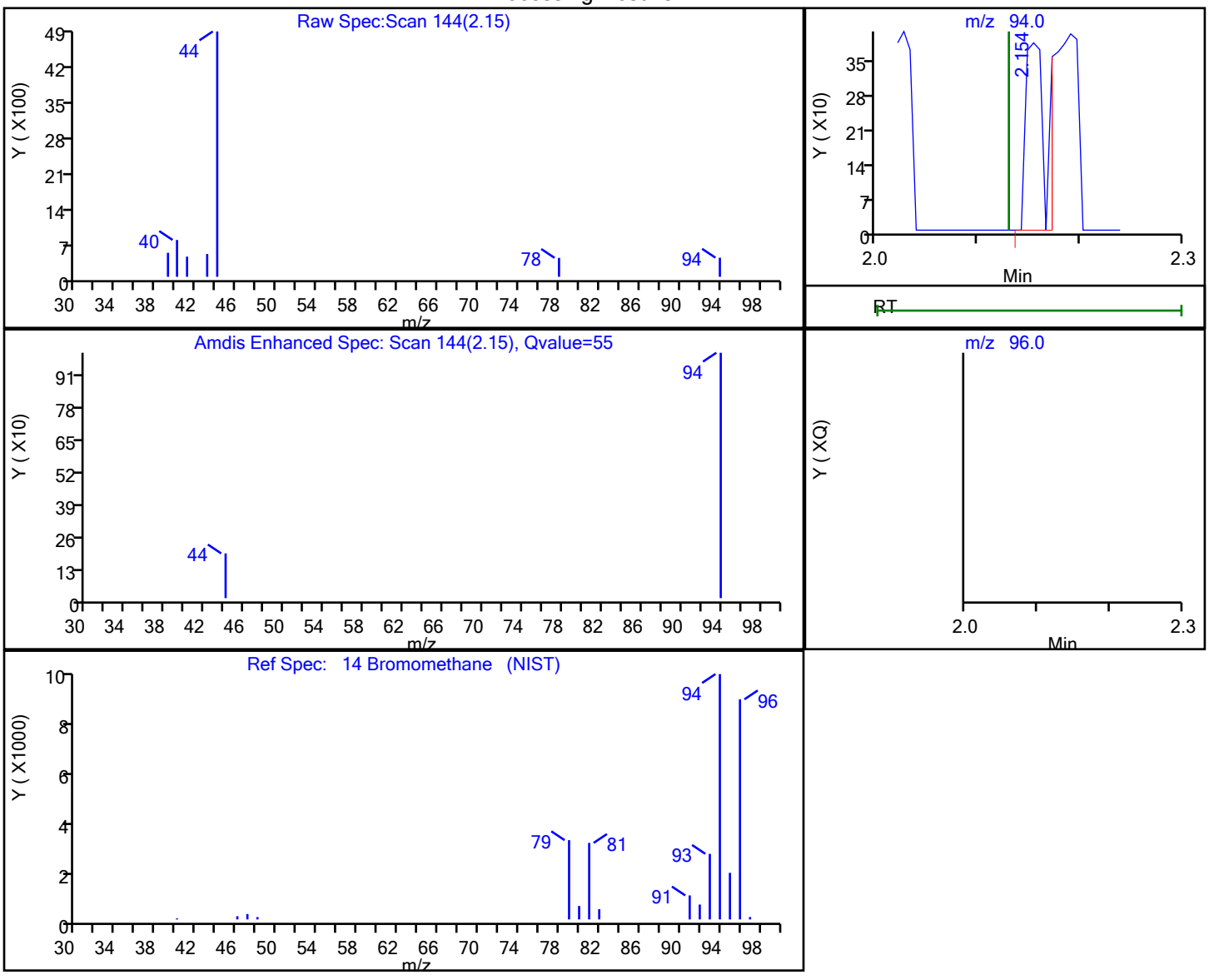
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39949.D				
Injection Date:	06-Dec-2020 04:11:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-2	Lab Sample ID:	480-179017-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.15	94.00	534	0.095207
2.13	96.00	0	

Reviewer: izquierdoo, 06-Dec-2020 11:42:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

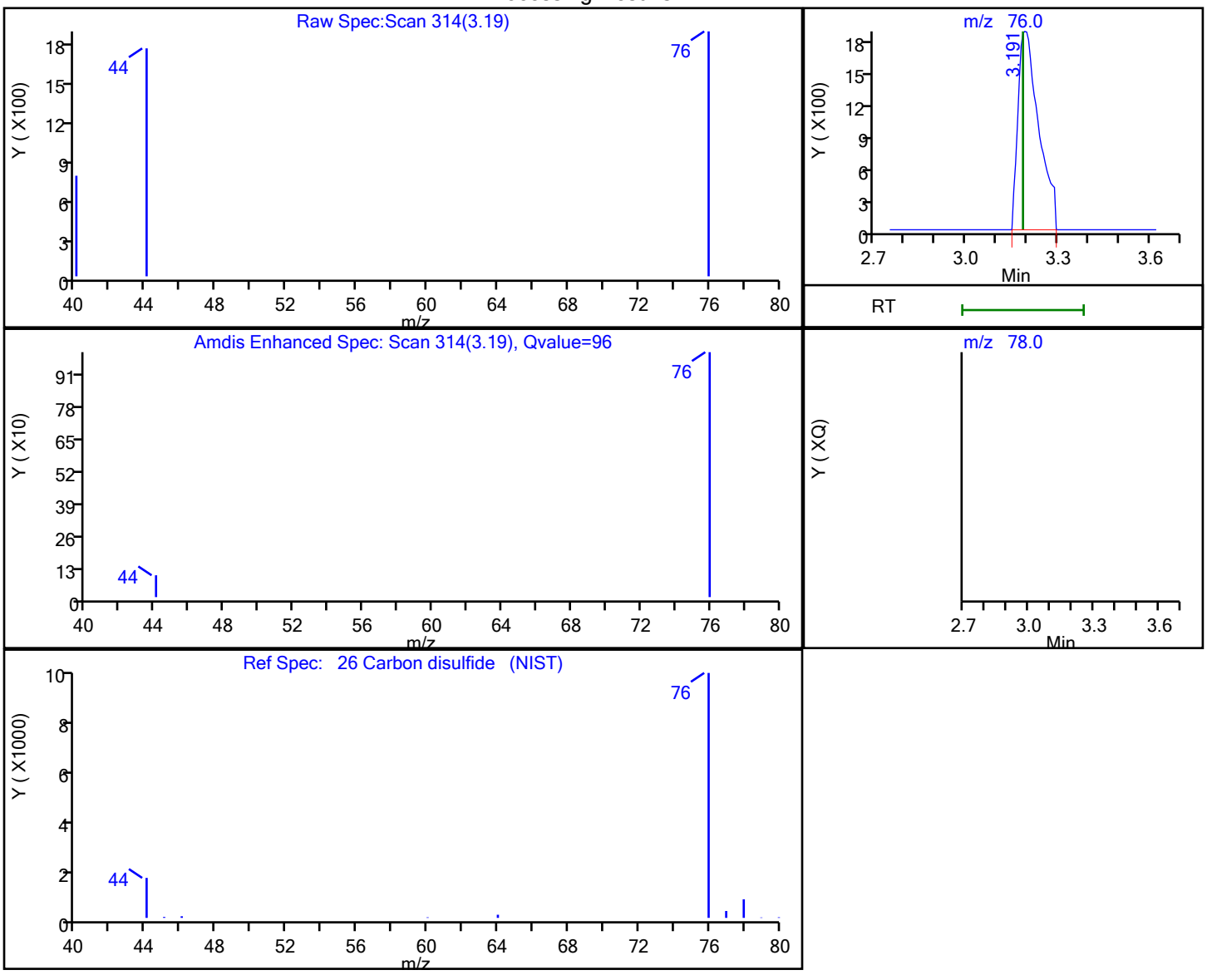
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39949.D				
Injection Date:	06-Dec-2020 04:11:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-2	Lab Sample ID:	480-179017-2		
Client ID:	RW-2				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.19	76.00	8646	0.365530
3.18	78.00	0	

Reviewer: izquierdoo, 06-Dec-2020 11:42:46

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: RW-3 Lab Sample ID: 480-179017-3

Matrix: Water Lab File ID: D39950.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:20

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 04:34

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	6.0		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: RW-3 Lab Sample ID: 480-179017-3

Matrix: Water Lab File ID: D39950.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:20

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 04:34

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	210	F1	4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	2.8	J	4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39950.D
Lims ID: 480-179017-A-3
Client ID: RW-3
Sample Type: Client
Inject. Date: 06-Dec-2020 04:34:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-179017-A-3
Misc. Info.: 480-0095449-022
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2020 11:43:29 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: izquierdoo Date: 06-Dec-2020 11:43:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	98	144880	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	86	312213	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	95	349490	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.940	0.000	93	219219	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.209	-0.001	98	121649	25.1	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	95	768572	25.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.769	0.000	94	263986	25.5	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.654				ND	
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.130				ND	7
15 Chloroethane	64		2.233				ND	
17 Trichlorofluoromethane	101		2.453				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.971				ND	
22 1,1-Dichloroethene	96		2.989				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76		3.184				ND	U
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.501				ND	7
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96	4.544	4.544	0.000	83	12766	1.49	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83	4.806	4.806	0.000	85	2004	0.1326	
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.026				ND	
57 Benzene	78		5.208				ND	
58 1,2-Dichloroethane	62		5.263				ND	
62 Trichloroethene	95	5.708	5.708	0.000	92	5715	0.6947	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	U
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	U
81 Tetrachloroethene	166	7.117	7.124	0.000	95	462687	53.6	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.885				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.415				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00025 Amount Added: 1.00 Units: uL Run Reagent

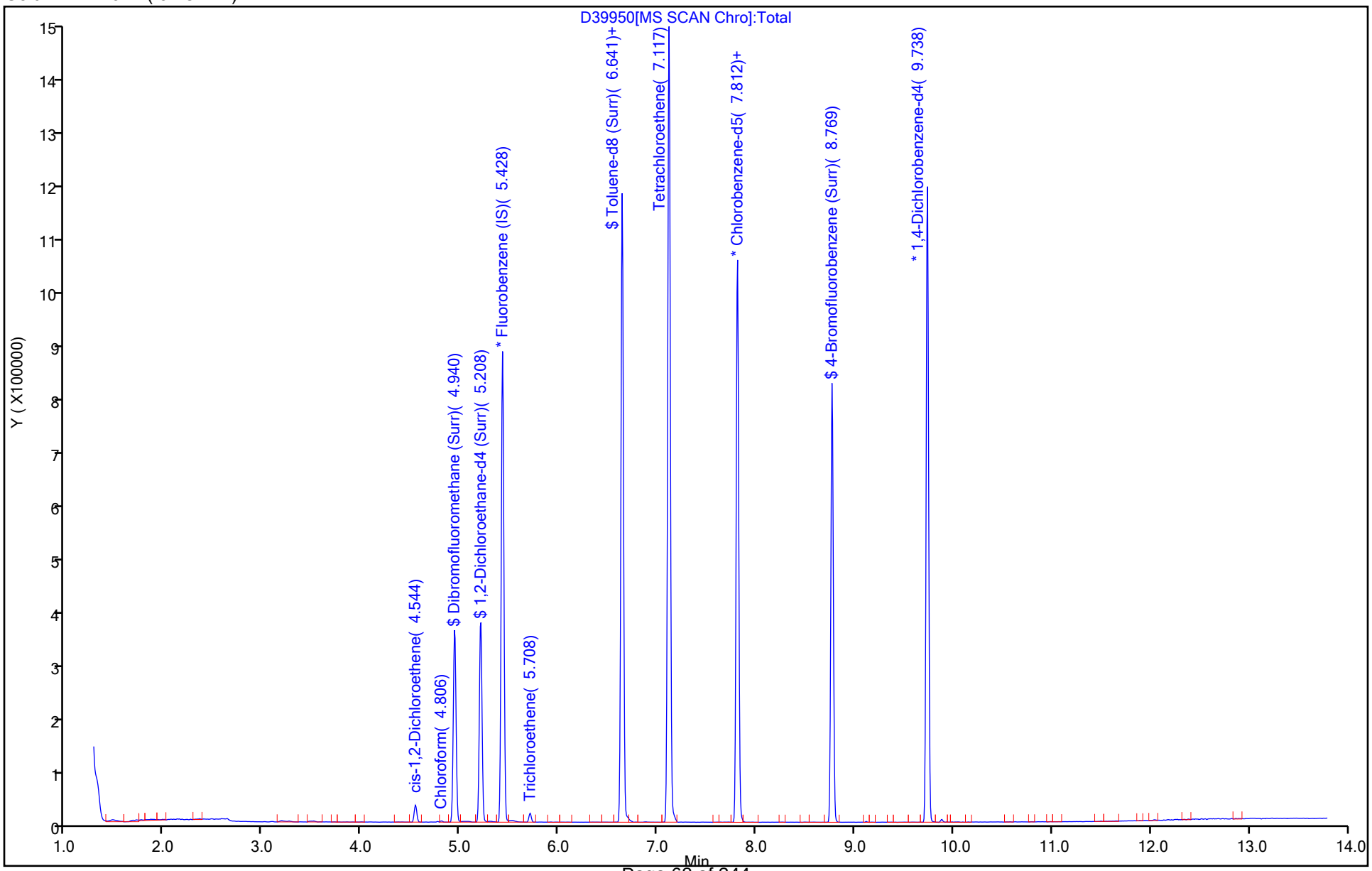
Report Date: 06-Dec-2020 11:43:29 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39950.D

Injection Date:	06-Dec-2020 04:34:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-179017-A-3	Lab Sample ID:	480-179017-3	Worklist Smp#:	22
Client ID:	RW-3				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	22
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



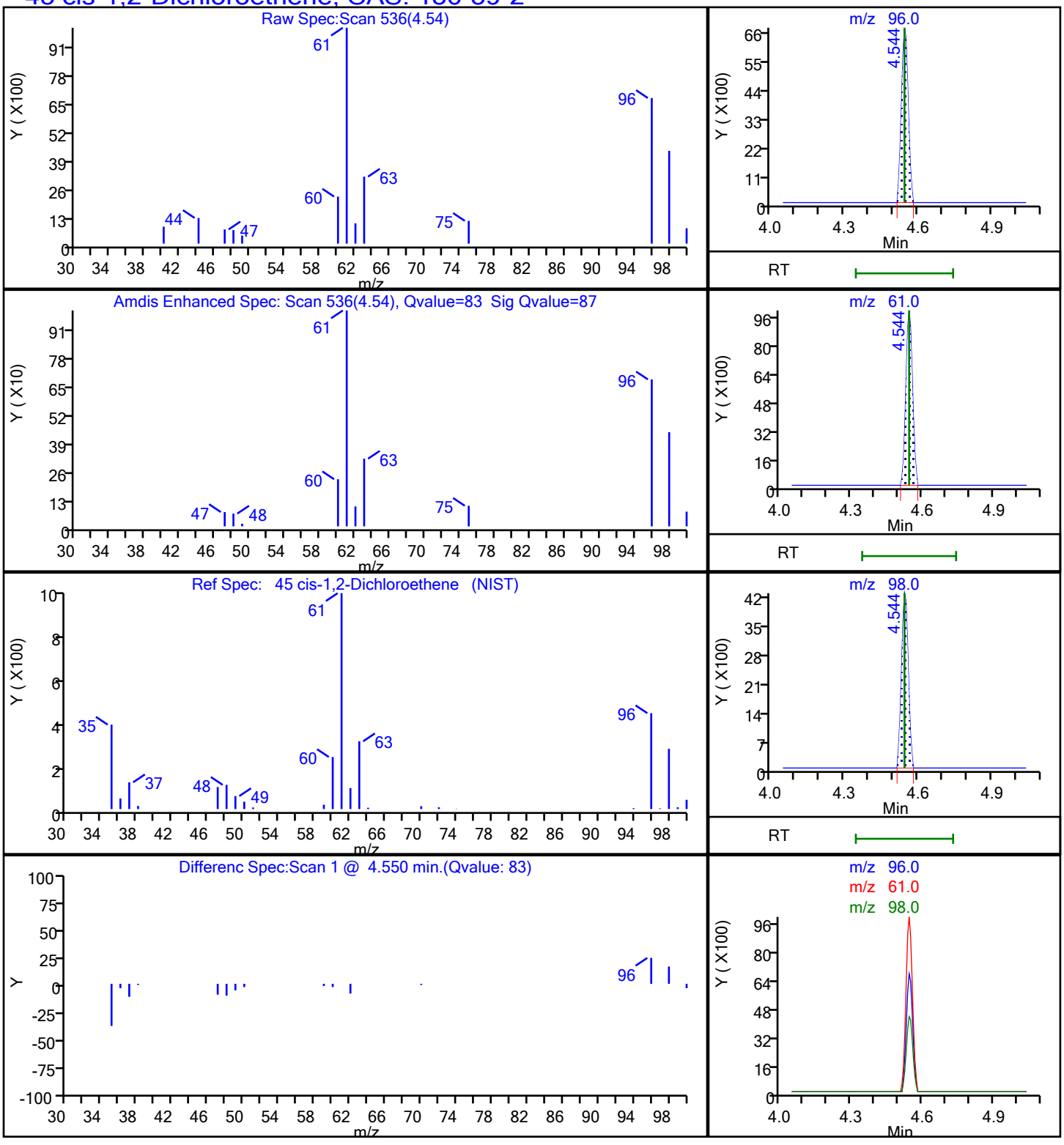
Report Date: 06-Dec-2020 11:43:29 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39950.D

Injection Date:	06-Dec-2020 04:34:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-3	Lab Sample ID:	480-179017-3		
Client ID:	RW-3				
Operator ID:	OI	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2



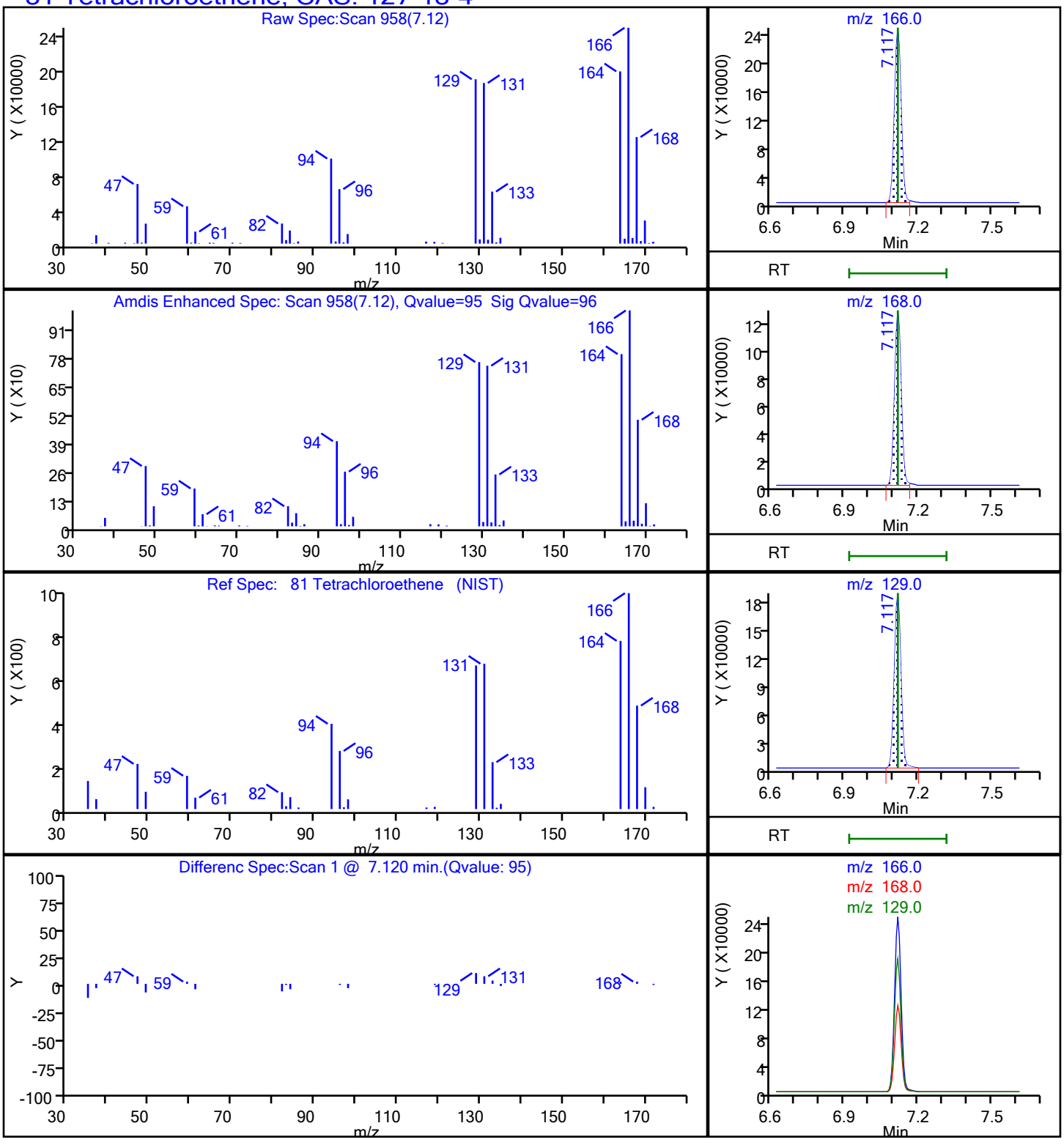
Report Date: 06-Dec-2020 11:43:29 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39950.D

Injection Date:	06-Dec-2020 04:34:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-3	Lab Sample ID:	480-179017-3		
Client ID:	RW-3				
Operator ID:	OI	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4



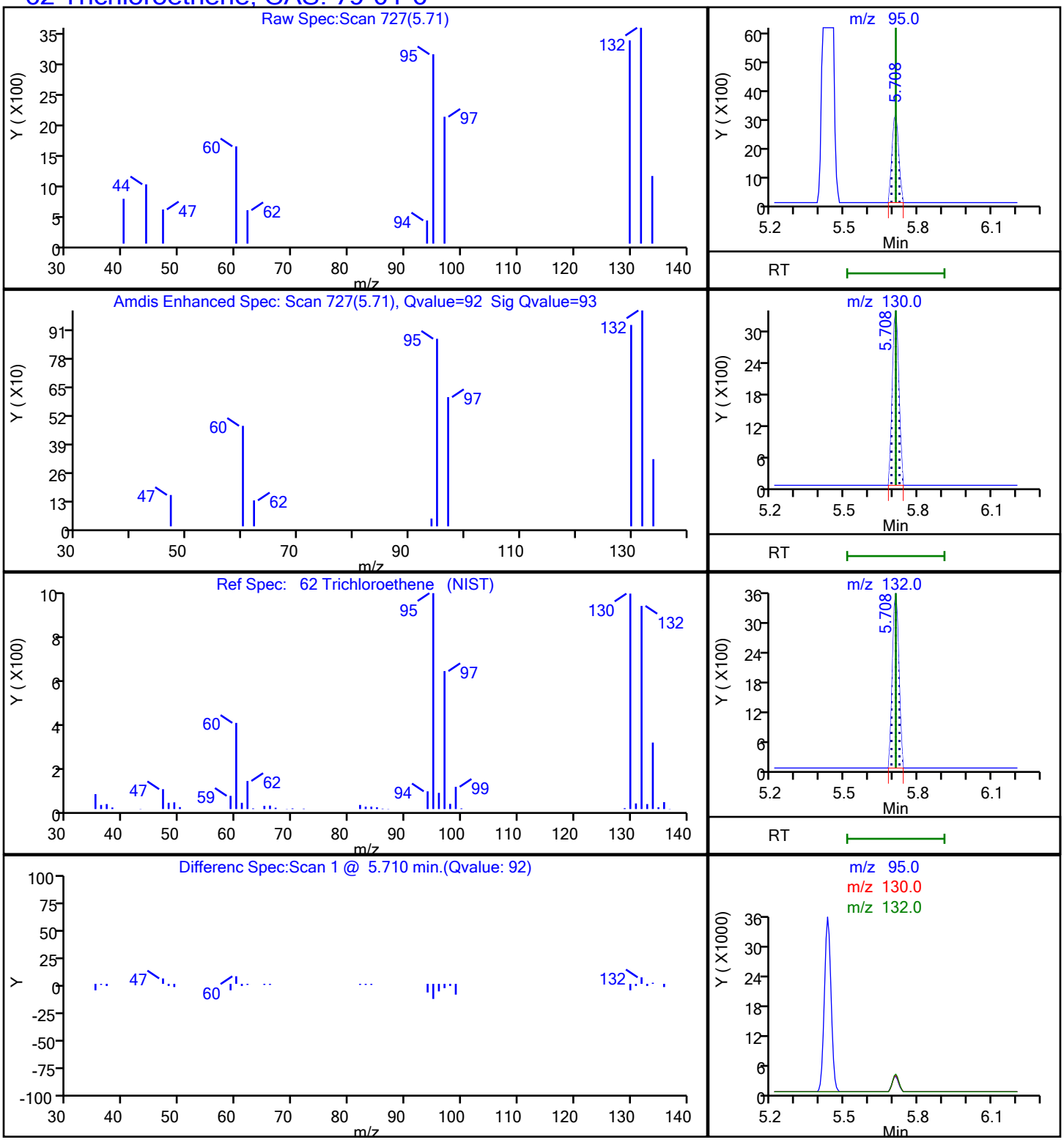
Report Date: 06-Dec-2020 11:43:29 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39950.D

Injection Date:	06-Dec-2020 04:34:30	Instrument ID:	HP5975D
Lims ID:	480-179017-A-3	Lab Sample ID:	480-179017-3
Client ID:	RW-3		
Operator ID:	OI	ALS Bottle#:	22 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6



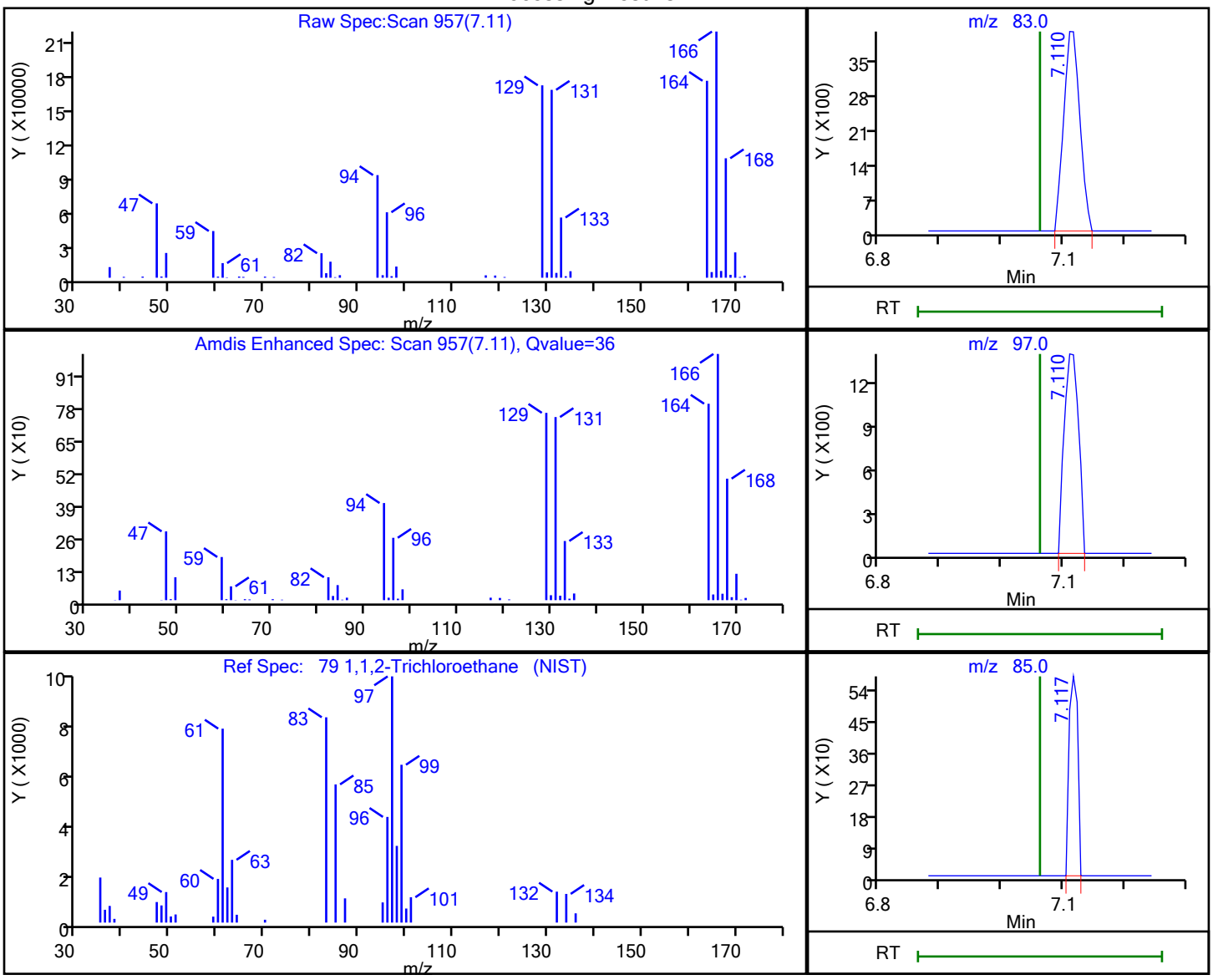
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39950.D				
Injection Date:	06-Dec-2020 04:34:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-3	Lab Sample ID:	480-179017-3		
Client ID:	RW-3				
Operator ID:	OI	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.11	83.00	7456	1.126837
7.11	97.00	2255	
7.12	85.00	574	

Reviewer: izquierdoo, 06-Dec-2020 11:43:09

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

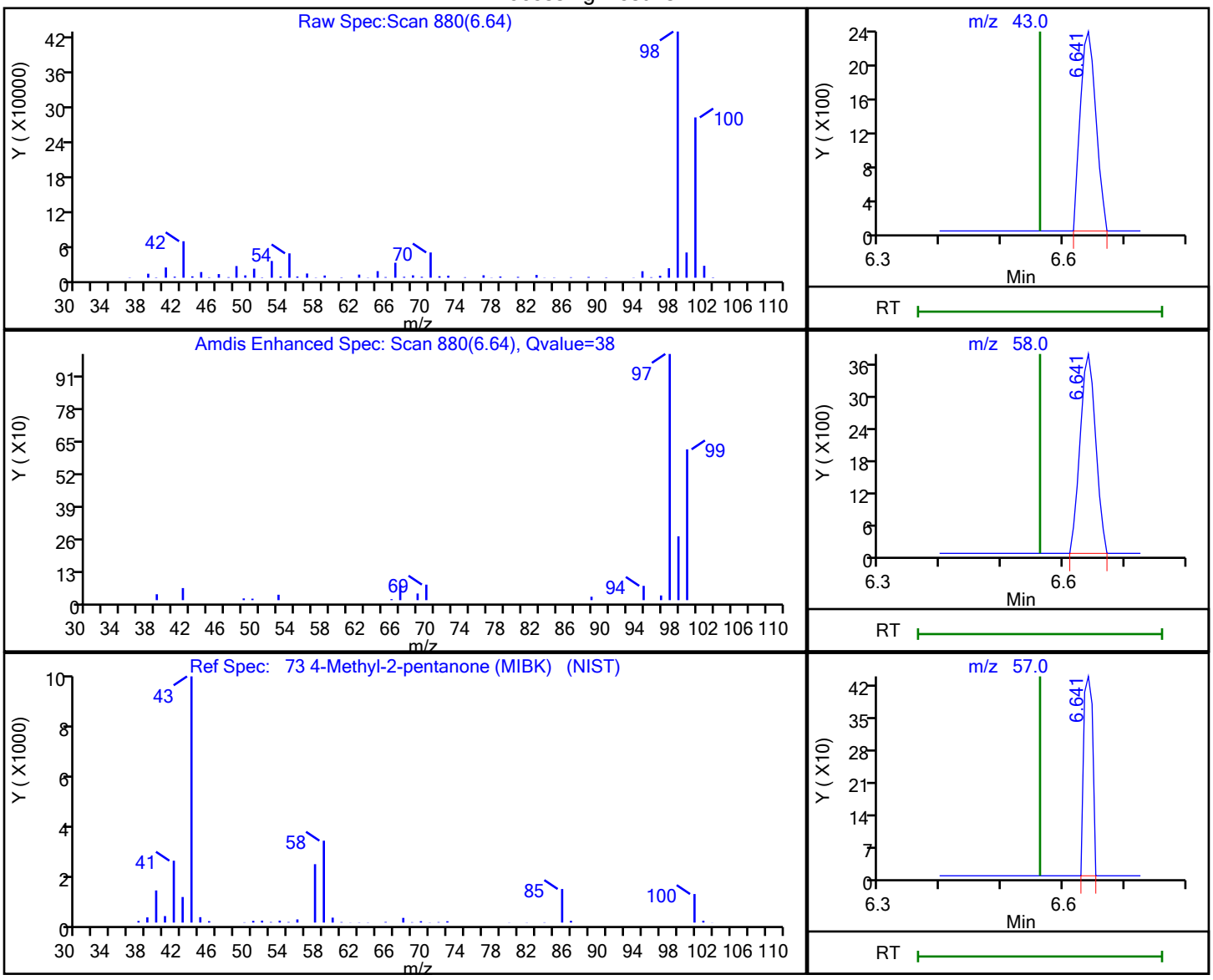
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39950.D				
Injection Date:	06-Dec-2020 04:34:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-3	Lab Sample ID:	480-179017-3		
Client ID:	RW-3				
Operator ID:	OI	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.64	43.00	4246	0.355725
6.64	58.00	6684	
6.64	57.00	440	

Reviewer: izquierdoo, 06-Dec-2020 11:43:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

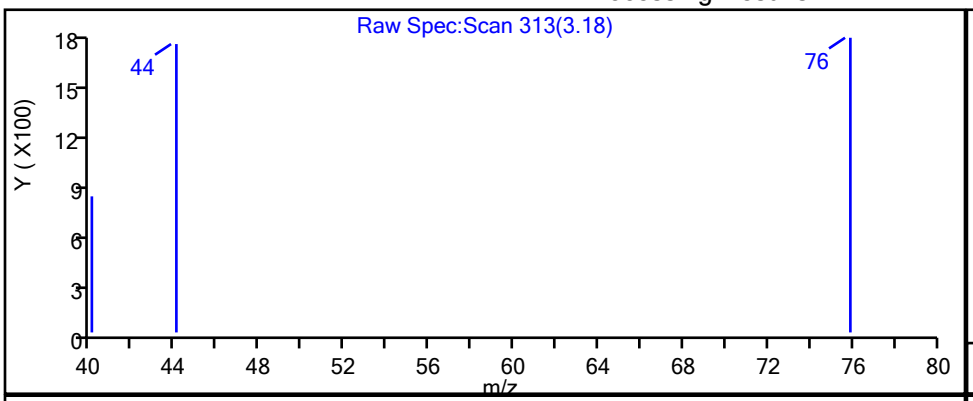
User Disabled Compound Report

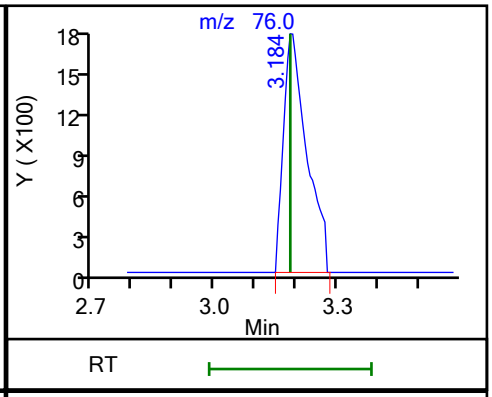
Eurofins TestAmerica, Buffalo

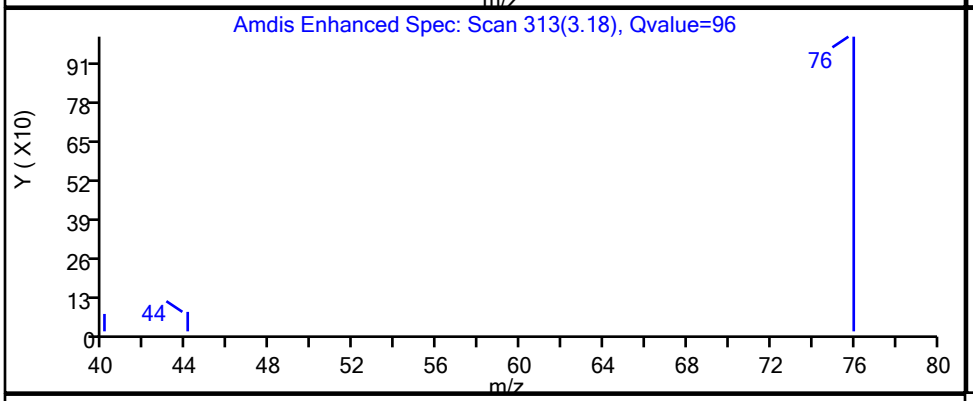
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39950.D				
Injection Date:	06-Dec-2020 04:34:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-3	Lab Sample ID:	480-179017-3		
Client ID:	RW-3				
Operator ID:	OI	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

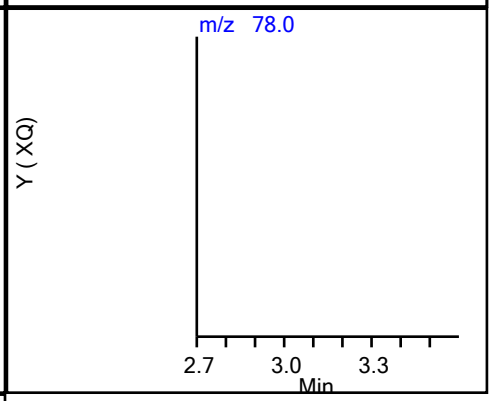
26 Carbon disulfide, CAS: 75-15-0

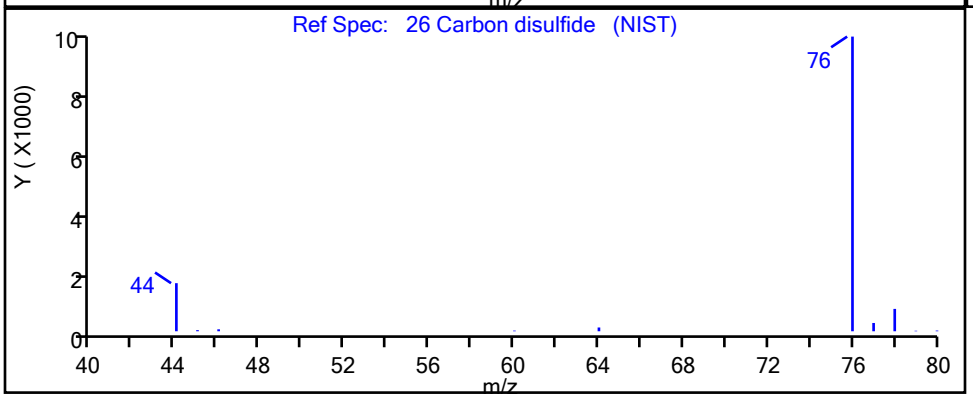
Processing Results











RT	Mass	Response	Amount
3.18	76.00	7091	0.296958
3.18	78.00	0	

Reviewer: izquierdoo, 06-Dec-2020 11:43:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-179017-4

Matrix: Water Lab File ID: D39951.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:20

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 04:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-179017-4

Matrix: Water Lab File ID: D39951.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:20

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 04:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39951.D
Lims ID: 480-179017-A-4
Client ID: DUP
Sample Type: Client
Inject. Date: 06-Dec-2020 04:57:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-179017-A-4
Misc. Info.: 480-0095449-023
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2020 11:44:58 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: izquierdoo Date: 06-Dec-2020 11:44:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	98	144533	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	86	313345	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	95	344135	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.940	0.000	93	218210	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.209	5.209	0.000	97	121647	25.1	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	95	757666	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.769	0.000	94	259509	25.0	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.654				ND	
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.130				ND	U
15 Chloroethane	64		2.233				ND	
17 Trichlorofluoromethane	101		2.453				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.971				ND	
22 1,1-Dichloroethene	96		2.989				ND	
23 Acetone	43	3.087	3.087	0.000	97	7016	2.19	
26 Carbon disulfide	76		3.184				ND	U
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.501				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96		4.544				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.806				ND	
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.026				ND	
57 Benzene	78		5.208				ND	
58 1,2-Dichloroethane	62		5.263				ND	
62 Trichloroethene	95		5.708				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	U
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166		7.117				ND	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.885				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.415				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00025 Amount Added: 1.00 Units: uL Run Reagent

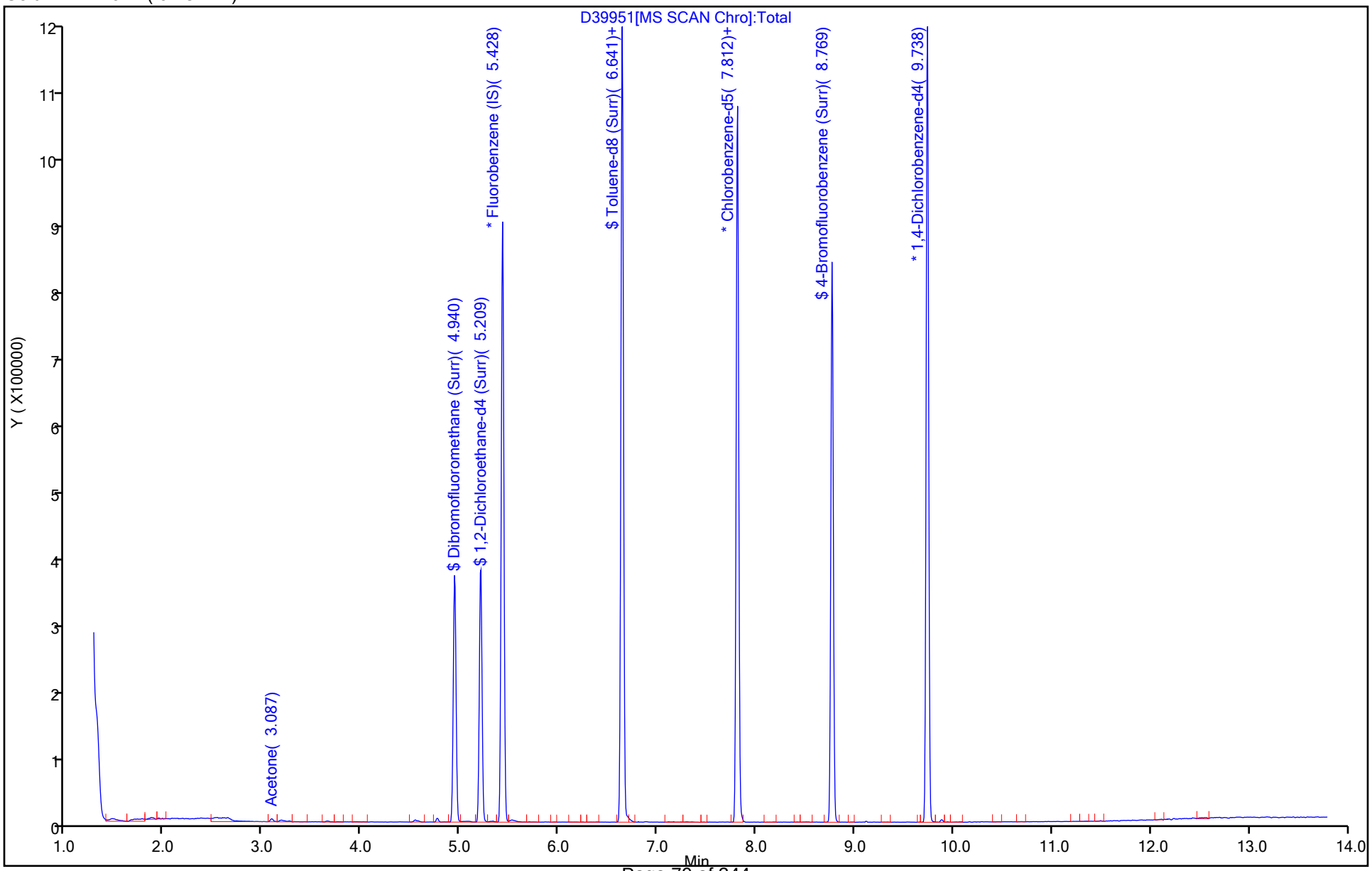
Report Date: 06-Dec-2020 11:44:58 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39951.D

Injection Date:	06-Dec-2020 04:57:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-179017-A-4	Lab Sample ID:	480-179017-4	Worklist Smp#:	23
Client ID:	DUP				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



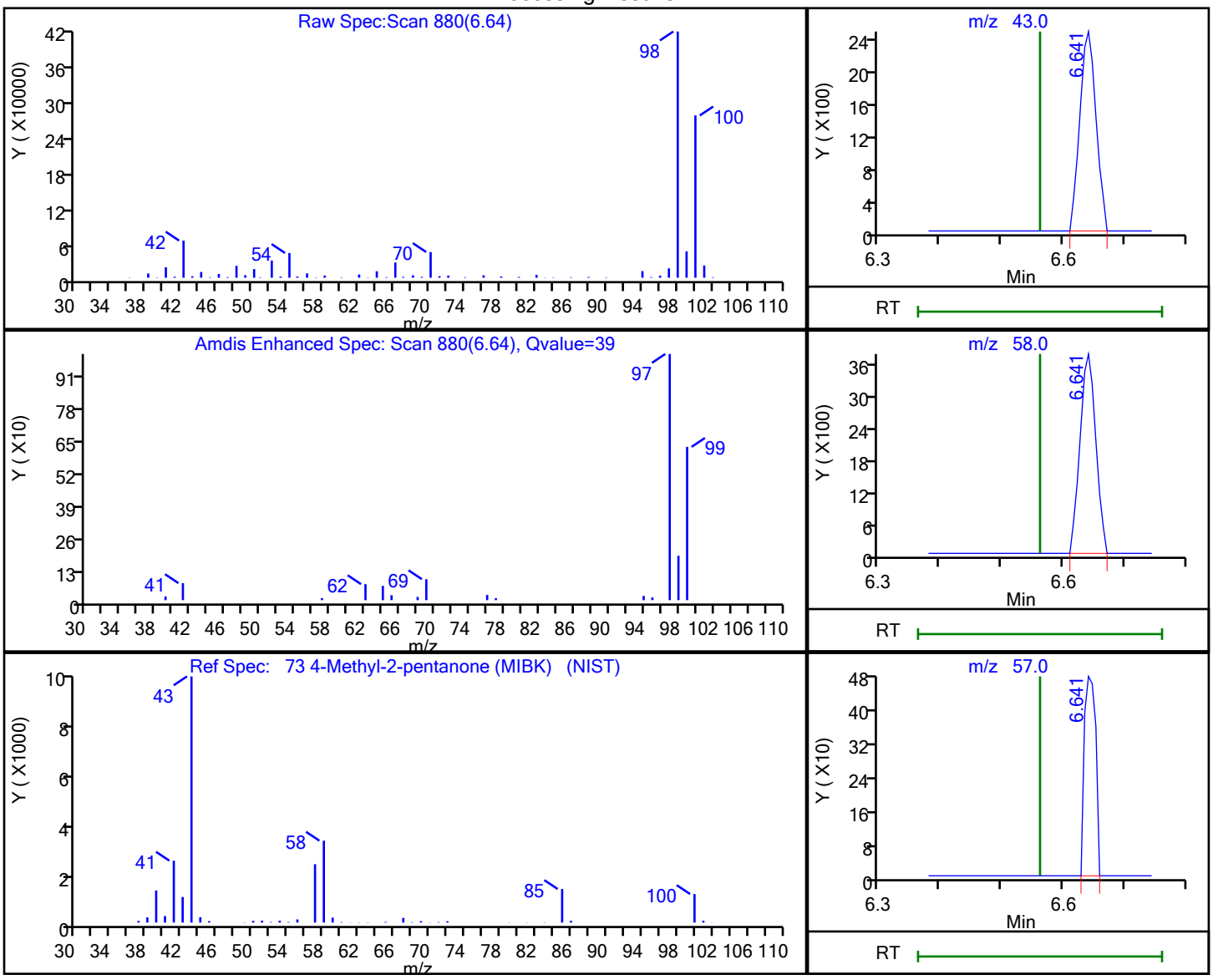
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39951.D				
Injection Date:	06-Dec-2020 04:57:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-4	Lab Sample ID:	480-179017-4		
Client ID:	DUP				
Operator ID:	OI	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.64	43.00	4550	0.379816
6.64	58.00	6694	
6.64	57.00	610	

Reviewer: izquierdoo, 06-Dec-2020 11:44:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

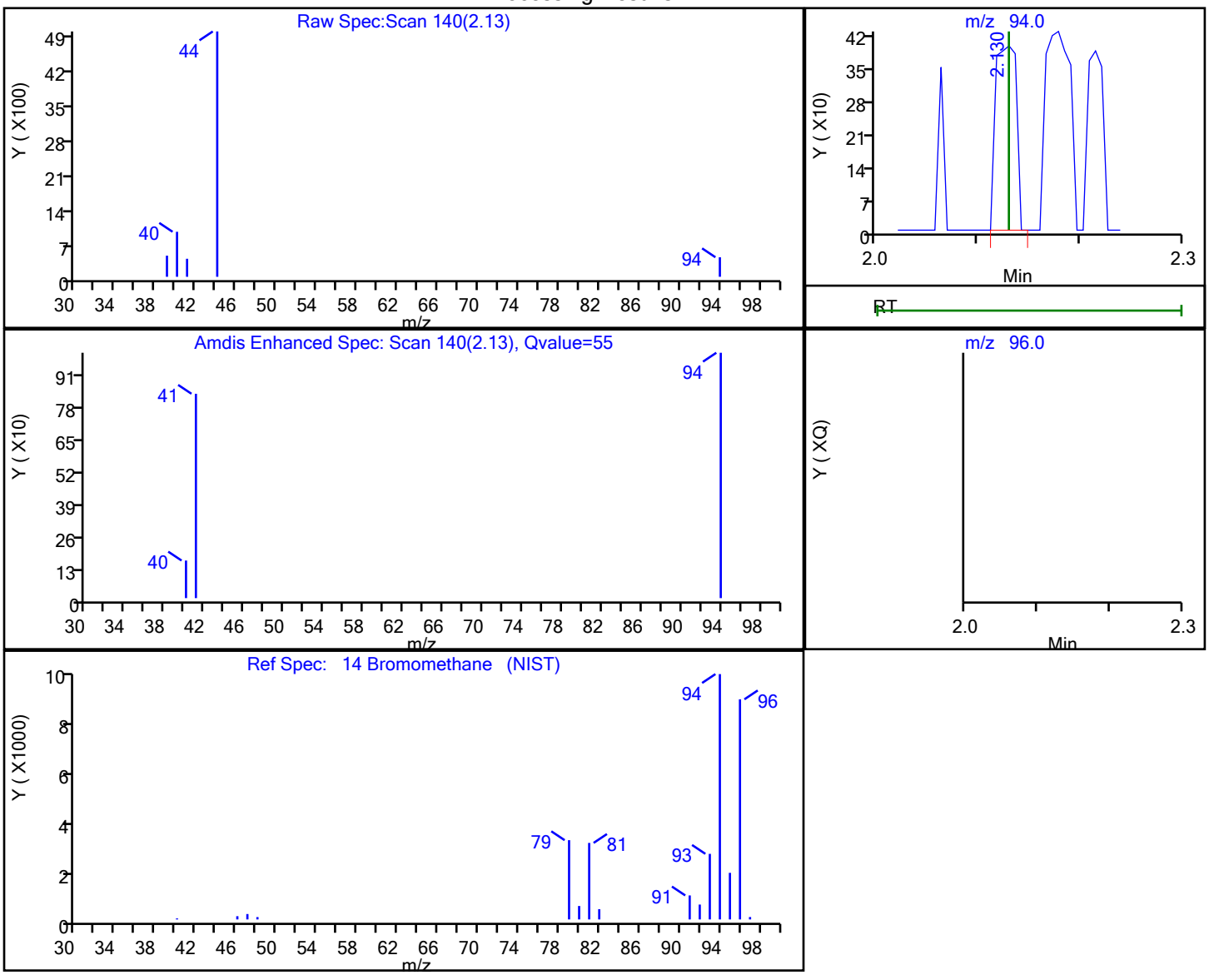
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39951.D				
Injection Date:	06-Dec-2020 04:57:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-4	Lab Sample ID:	480-179017-4		
Client ID:	DUP				
Operator ID:	OI	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.13	94.00	563	0.099668
2.13	96.00	0	

Reviewer: izquierdoo, 06-Dec-2020 11:44:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

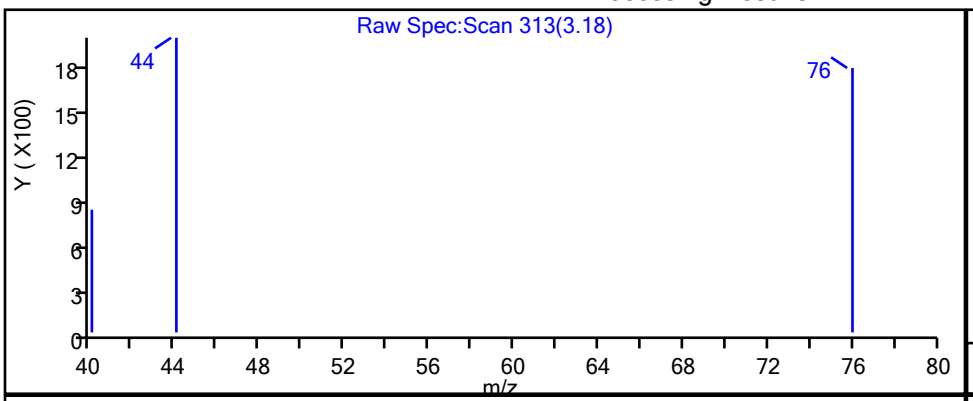
User Disabled Compound Report

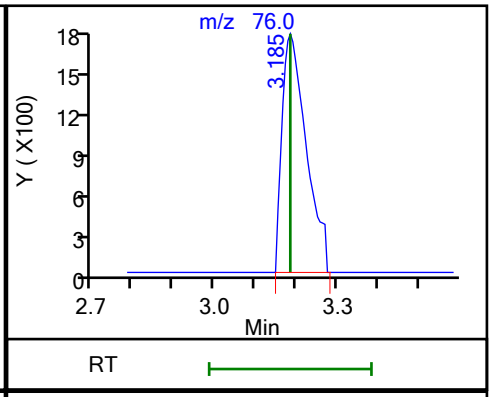
Eurofins TestAmerica, Buffalo

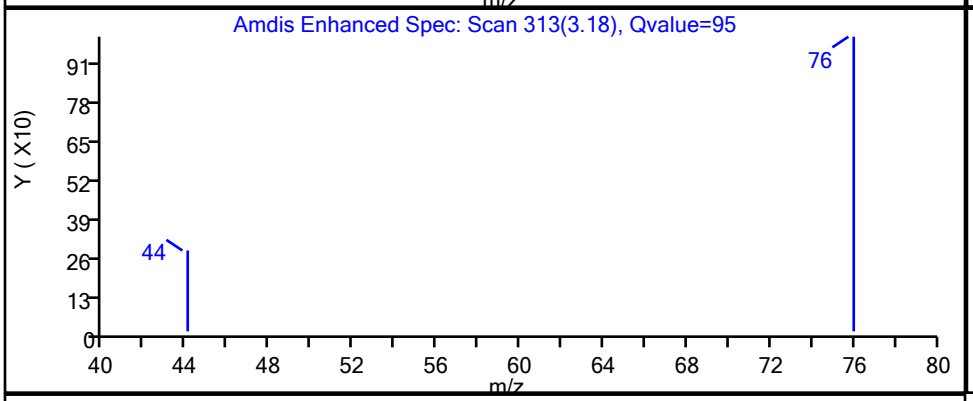
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39951.D				
Injection Date:	06-Dec-2020 04:57:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-4	Lab Sample ID:	480-179017-4		
Client ID:	DUP				
Operator ID:	OI	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

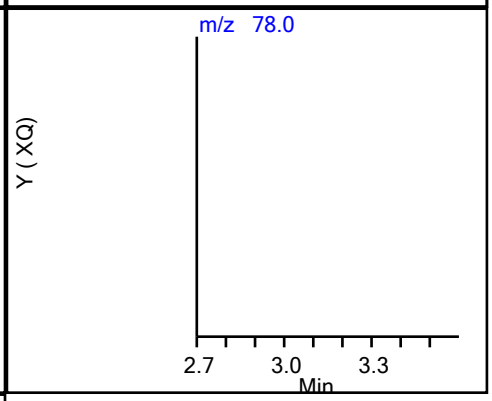
26 Carbon disulfide, CAS: 75-15-0

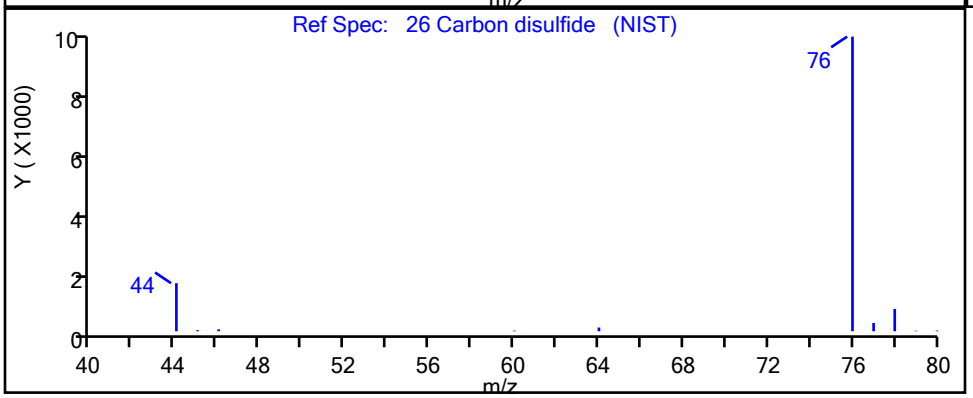
Processing Results











RT	Mass	Response	Amount
3.18	76.00	7322	0.307368
3.18	78.00	0	

Reviewer: izquierdoo, 06-Dec-2020 11:44:51

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-179017-5

Matrix: Water Lab File ID: D39952.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:00

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 05:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-179017-5

Matrix: Water Lab File ID: D39952.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:00

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 05:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39952.D
Lims ID: 480-179017-A-5
Client ID: EFFLUENT
Sample Type: Client
Inject. Date: 06-Dec-2020 05:20:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-179017-A-5
Misc. Info.: 480-0095449-024
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2020 11:45:29 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: izquierdoo Date: 06-Dec-2020 11:45:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	98	140778	25.0	
* 2 Chlorobenzene-d5	82	7.811	7.812	-0.001	86	313713	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	95	345839	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.940	0.000	93	219540	26.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.209	-0.001	97	119534	25.4	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	95	748183	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.769	0.000	93	259683	25.0	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.654				ND	7
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.130				ND	7
15 Chloroethane	64		2.233				ND	
17 Trichlorofluoromethane	101		2.453				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.971				ND	
22 1,1-Dichloroethene	96		2.989				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76		3.184				ND	U
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.501				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96		4.544				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.806				ND	
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.026				ND	
57 Benzene	78		5.208				ND	
58 1,2-Dichloroethane	62		5.263				ND	
62 Trichloroethene	95		5.708				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	U
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166		7.117				ND	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.885				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.415				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00025 Amount Added: 1.00 Units: uL Run Reagent

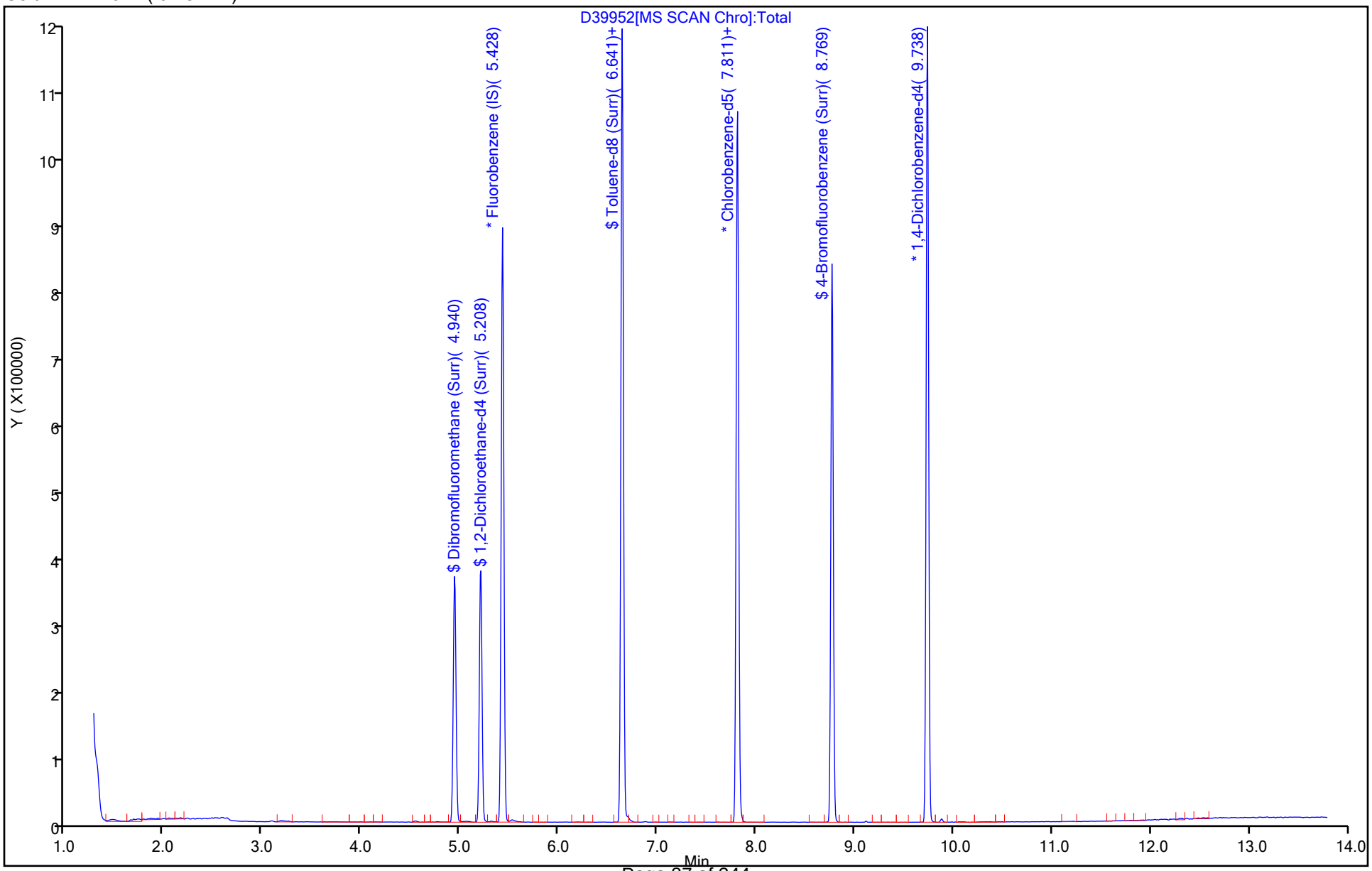
Report Date: 06-Dec-2020 11:45:30 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39952.D

Injection Date:	06-Dec-2020 05:20:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-179017-A-5	Lab Sample ID:	480-179017-5	Worklist Smp#:	24
Client ID:	EFFLUENT				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



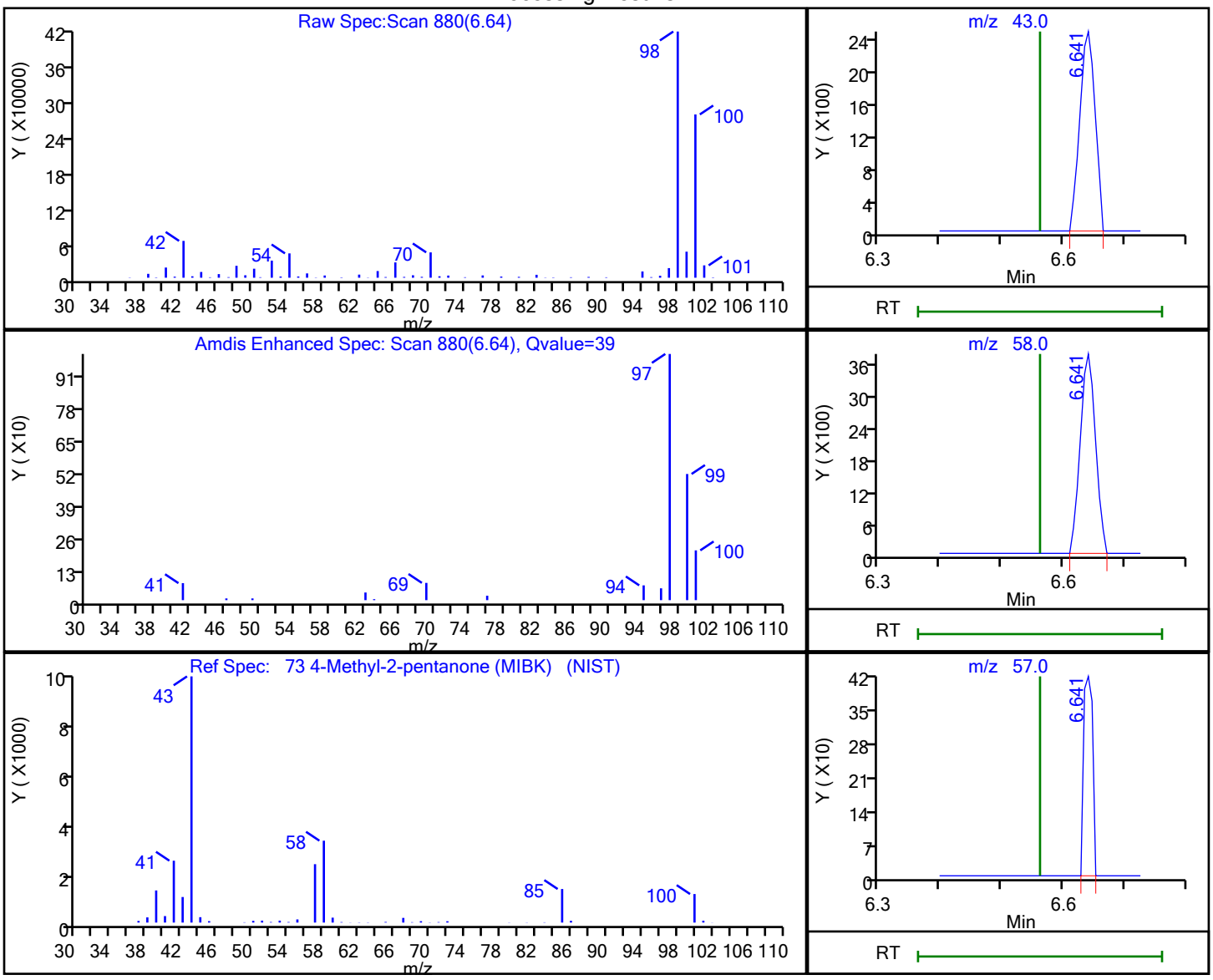
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39952.D				
Injection Date:	06-Dec-2020 05:20:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-5	Lab Sample ID:	480-179017-5		
Client ID:	EFFLUENT				
Operator ID:	OI	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.64	43.00	4247	0.354107
6.64	58.00	6497	
6.64	57.00	430	

Reviewer: izquierdoo, 06-Dec-2020 11:45:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

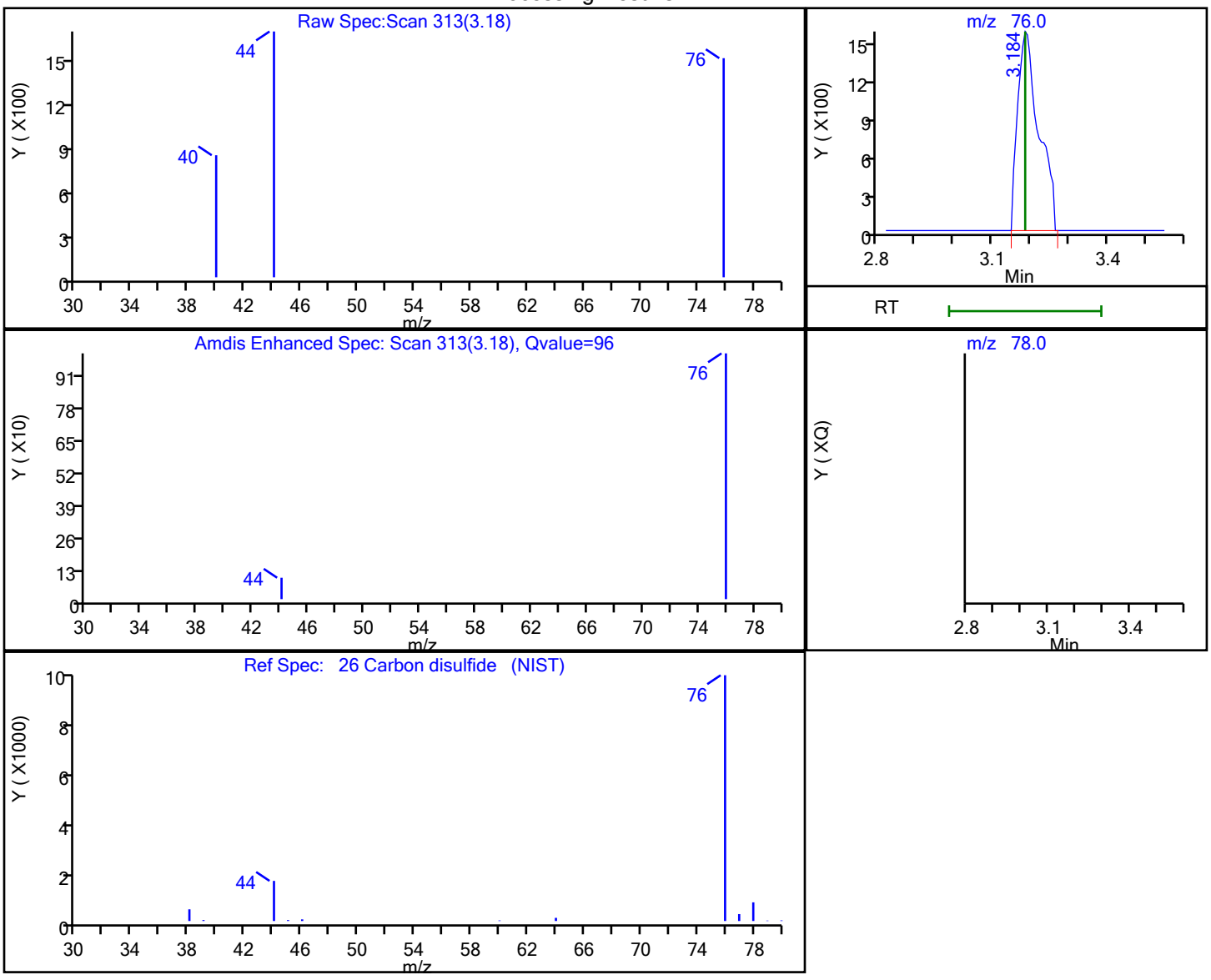
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39952.D				
Injection Date:	06-Dec-2020 05:20:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-5	Lab Sample ID:	480-179017-5		
Client ID:	EFFLUENT				
Operator ID:	OI	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.18	76.00	5817	0.250703
3.18	78.00	0	

Reviewer: izquierdoo, 06-Dec-2020 11:45:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-179017-6

Matrix: Water Lab File ID: D39953.D

Analysis Method: 8260C Date Collected: 12/04/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 05:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-179017-6

Matrix: Water Lab File ID: D39953.D

Analysis Method: 8260C Date Collected: 12/04/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 05:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39953.D
Lims ID: 480-179017-A-6
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 06-Dec-2020 05:43:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-179017-A-6
Misc. Info.: 480-0095449-025
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2020 11:45:47 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: izquierdoo Date: 06-Dec-2020 11:45:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	98	141800	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	86	311612	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	95	347812	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.940	0.000	93	216674	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.209	-0.001	97	121517	25.6	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	95	756407	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.769	0.000	93	257974	25.0	
10 Dichlorodifluoromethane	85		1.447				ND	
12 Chloromethane	50		1.654				ND	
13 Vinyl chloride	62		1.758				ND	
14 Bromomethane	94		2.130				ND	
15 Chloroethane	64		2.233				ND	
17 Trichlorofluoromethane	101		2.453				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.971				ND	
22 1,1-Dichloroethene	96		2.989				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76		3.184				ND	U
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.501				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.056				ND	
45 cis-1,2-Dichloroethene	96		4.544				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83	4.806	4.806	0.000	85	1724	0.1165	
51 1,1,1-Trichloroethane	97		4.910				ND	
52 Cyclohexane	56		4.916				ND	
55 Carbon tetrachloride	117		5.026				ND	
57 Benzene	78		5.208				ND	
58 1,2-Dichloroethane	62		5.263				ND	
62 Trichloroethene	95		5.708				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.806				ND	
65 1,2-Dichloropropane	63		5.909				ND	
68 Dichlorobromomethane	83		6.135				ND	
72 cis-1,3-Dichloropropene	75		6.464				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562				ND	
74 Toluene	92		6.696				ND	
77 trans-1,3-Dichloropropene	75		6.903				ND	
79 1,1,2-Trichloroethane	83		7.062				ND	
81 Tetrachloroethene	166		7.117				ND	
80 2-Hexanone	43		7.214				ND	
83 Chlorodibromomethane	129		7.385				ND	
84 Ethylene Dibromide	107		7.476				ND	
87 Chlorobenzene	112		7.836				ND	
88 Ethylbenzene	91		7.885				ND	
90 m-Xylene & p-Xylene	106		7.976				ND	
91 o-Xylene	106		8.311				ND	
92 Styrene	104		8.336				ND	
95 Bromoform	173		8.549				ND	
94 Isopropylbenzene	105		8.598				ND	
97 1,1,2,2-Tetrachloroethane	83		8.915				ND	
111 1,3-Dichlorobenzene	146		9.683				ND	
113 1,4-Dichlorobenzene	146		9.756				ND	
116 1,2-Dichlorobenzene	146		10.085				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774				ND	
119 1,2,4-Trichlorobenzene	180		11.415				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00025 Amount Added: 1.00 Units: uL Run Reagent

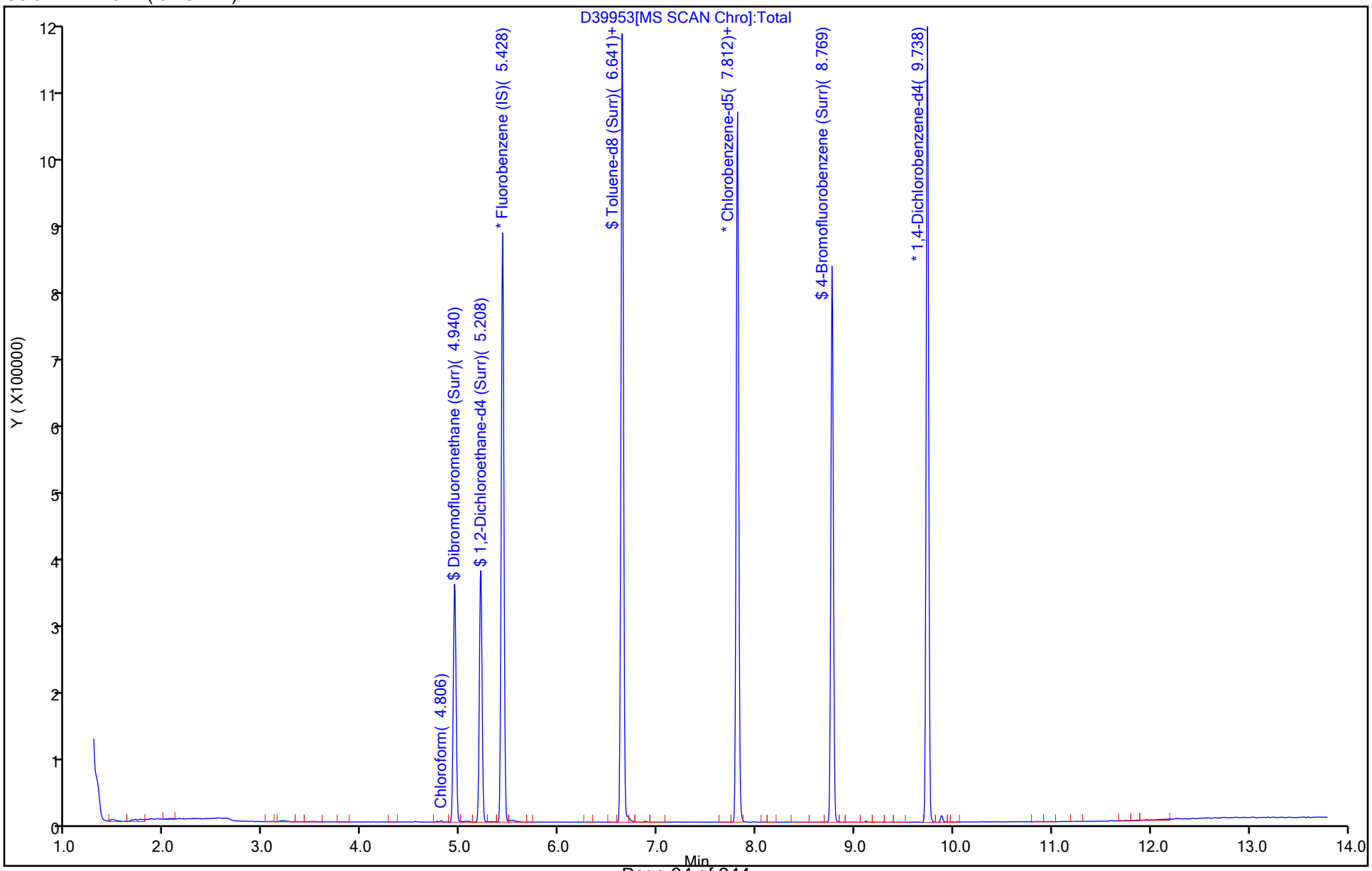
Report Date: 06-Dec-2020 11:45:47 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39953.D

Injection Date:	06-Dec-2020 05:43:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-179017-A-6	Lab Sample ID:	480-179017-6	Worklist Smp#:	25
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



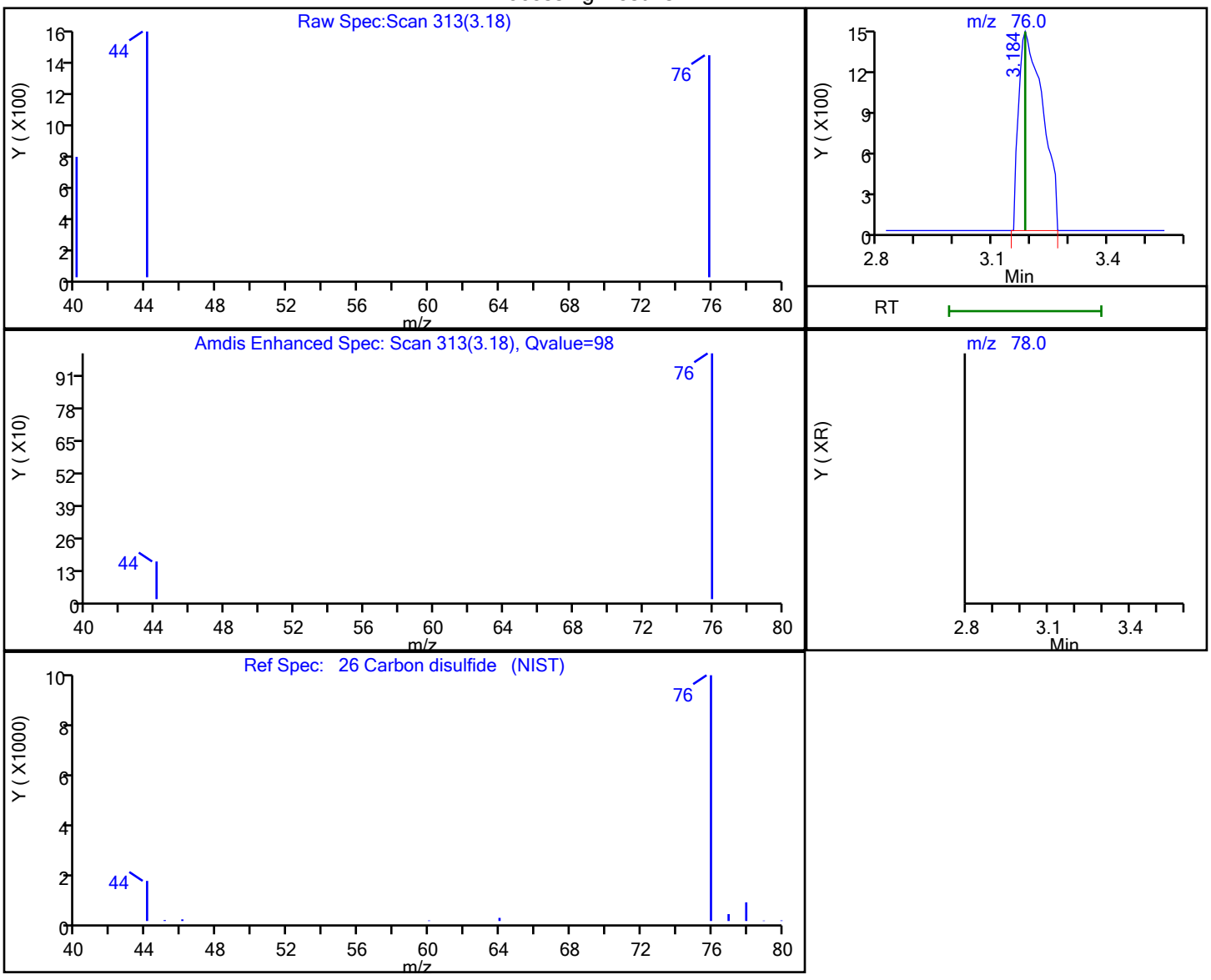
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39953.D				
Injection Date:	06-Dec-2020 05:43:30	Instrument ID:	HP5975D		
Lims ID:	480-179017-A-6	Lab Sample ID:	480-179017-6		
Client ID:	TRIP BLANK				
Operator ID:	OI	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.18	76.00	6246	0.267252
3.18	78.00	0	

Reviewer: izquierdoo, 06-Dec-2020 11:45:42

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1 Analy Batch No.: 561477

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2020 15:38 Calibration End Date: 12/01/2020 18:22 Calibration ID: 40711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-561477/3	D39224.D
Level 2	IC 480-561477/4	D39225.D
Level 3	IC 480-561477/5	D39226.D
Level 4	IC 480-561477/6	D39227.D
Level 5	IC 480-561477/7	D39228.D
Level 6	ICIS 480-561477/8	D39229.D
Level 7	IC 480-561477/9	D39230.D
Level 8	IC 480-561477/10	D39231.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.4549	1.2632 1.6578	1.1719 1.6863	1.6733	1.6036	Ave		1.5016			0.1000	14.0		20.0			
Chloromethane	2.4007 2.3745	2.2348 2.4376	1.9376 2.4096	2.4027	2.3786	Ave		2.3220			0.1000	7.2		20.0			
Vinyl chloride	1.2035 1.5310	1.2883 1.6840	1.1819 1.6769	1.6427	1.5619	Ave		1.4713			0.1000	14.5		20.0			
Butadiene	+++++ 1.4308	1.0037 1.6505	1.1231 1.6570	1.5234	1.4794	Ave		1.4097				18.0		20.0			
Bromomethane	+++++ 0.9832	0.8870 1.0366	0.8321 0.9917	1.1305	0.9784	Ave		0.9771			0.1000	9.9		20.0			
Chloroethane	+++++ 0.7982	0.8361 0.8273	0.6662 0.8016	0.8130	0.8061	Ave		0.7927			0.1000	7.2		20.0			
Trichlorofluoromethane	+++++ 1.6842	1.3905 1.8825	1.2135 1.9022	1.8050	1.8325	Ave		1.6729			0.1000	16.0		20.0			
Dichlorofluoromethane	1.9453 1.9972	2.1084 2.0977	1.6753 2.0467	2.0859	2.0176	Ave		1.9968				7.1		20.0			
Ethyl ether	1.1859 1.3422	1.2401 1.3730	1.1143 1.2881	1.3639	1.3346	Ave		1.2803				7.3		20.0			
Acrolein	0.0670 0.0640	0.0524 0.0690	0.0507 0.0643	0.0644	0.0647	Ave		0.0621				10.8		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.1114	0.5953 1.3143	0.7134 1.3840	1.3205	1.2246	Lin1	-0.931	1.3435			0.1000				0.9950		0.9900
1,1-Dichloroethene	+++++ 1.1143	0.9111 1.2468	0.8468 1.2861	1.2472	1.1619	Ave		1.1163			0.1000	15.5		20.0			
Acetone	0.6180 0.5397	0.6010 0.5376	0.5028 0.4914	0.5828	0.5507	Ave		0.5530			0.1000	8.1		20.0			
Iodomethane	+++++ 2.4859	1.8046 2.7210	1.8097 2.6760	2.4850	2.3449	Ave		2.3325				16.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1 Analy Batch No.: 561477

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2020 15:38 Calibration End Date: 12/01/2020 18:22 Calibration ID: 40711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	3.9684 4.0030	4.0021 4.4268	3.3302 4.4615	4.6272	4.1444	Ave		4.1204			0.1000	9.8		20.0			
Allyl chloride	3.2403 2.9934	2.8943 3.1335	2.4572 3.0249	3.1193	3.0511	Ave		2.9892				8.0		20.0			
Methyl acetate	1.5880 1.5358	1.6127 1.5584	1.3856 1.3902	1.6086	1.5397	Ave		1.5274			0.1000	5.9		20.0			
Methylene Chloride	2.9379 1.5429	1.9807 1.5672	1.4763 1.5001	1.6515	1.5760	Lin1	0.4814	1.5161			0.1000				0.9990		0.9900
2-Methyl-2-propanol	+++++ 0.1641	0.1453 0.1687	0.1289 0.1568	0.1588	0.1573	Ave		0.1543				8.6		20.0			
Methyl tert-butyl ether	3.2056 3.7829	3.4863 3.8139	3.0342 3.6319	3.8171	3.7100	Ave		3.5603			0.1000	8.3		20.0			
trans-1,2-Dichloroethene	+++++ 1.3234	1.1639 1.4264	1.0117 1.3760	1.4343	1.3434	Ave		1.2970			0.1000	11.9		20.0			
Acrylonitrile	0.6484 0.7174	0.6902 0.7084	0.6266 0.6351	0.7421	0.7011	Ave		0.6837				6.1		20.0			
Hexane	1.9391 2.0344	1.8819 2.3659	1.7045 2.4491	2.6442	2.3318	Ave		2.1689				15.0		20.0			
1,1-Dichloroethane	2.4926 2.7465	2.6419 2.8357	2.2297 2.6737	2.9273	2.7707	Ave		2.6648			0.2000	8.2		20.0			
Vinyl acetate	3.9471 4.5799	4.1782 4.6947	3.7469 4.4296	4.4960	4.4844	Ave		4.3196				7.7		20.0			
2,2-Dichloropropane	1.3125 1.4529	1.3688 1.5680	1.1977 1.5093	1.6501	1.4924	Ave		1.4439				10.1		20.0			
cis-1,2-Dichloroethene	1.3334 1.5241	1.4850 1.5857	1.2208 1.4858	1.6276	1.5692	Ave		1.4789			0.1000	9.3		20.0			
2-Butanone (MEK)	0.9249 0.9792	0.9352 0.9898	0.8335 0.9198	1.0123	0.9661	Ave		0.9451			0.1000	5.9		20.0			
Chlorobromomethane	0.7665 0.9032	0.7873 0.9327	0.7507 0.8660	0.9094	0.8951	Ave		0.8514				8.5		20.0			
Tetrahydrofuran	+++++ 0.6573	0.7486 0.6501	0.6235 0.6058	0.6975	0.6521	Ave		0.6621				7.2		20.0			
Chloroform	2.9429 2.5511	2.7242 2.6259	2.2206 2.4782	2.7358	2.5897	Ave		2.6085			0.2000	8.1		20.0			
1,1,1-Trichloroethane	+++++ 1.9201	1.6923 2.1192	1.5341 2.0866	2.1832	2.0143	Ave		1.9357			0.1000	12.4		20.0			
Cyclohexane	+++++ 2.4931	1.9346 2.9346	1.8932 3.0445	3.1407	2.7757	Ave		2.6024			0.1000	19.8		20.0			
Carbon tetrachloride	+++++ 1.7360	1.4921 1.9877	1.3099 2.0140	1.8764	1.7992	Ave		1.7450			0.1000	14.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1 Analy Batch No.: 561477

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2020 15:38 Calibration End Date: 12/01/2020 18:22 Calibration ID: 40711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.5372 1.6759	1.6259 1.8640	1.4052 1.8405	1.9466	1.7818	Ave		1.7096				10.7		20.0			
Isobutyl alcohol	0.0836 0.0825	0.0807 0.0845	0.0717 0.0761	0.0858	0.0806	Ave		0.0807				5.8		20.0			
Benzene	4.7842 5.2532	5.1956 5.4975	4.4138 5.2066	5.6975	5.3466	Ave		5.1744			0.5000	7.8		20.0			
1,2-Dichloroethane	2.1772 2.2171	2.2103 2.2487	1.8134 2.0927	2.3280	2.2196	Ave		2.1634			0.1000	7.2		20.0			
n-Heptane	3.0427 2.6006	2.7258 3.0111	2.4703 3.2367	3.2884	3.0685	Ave		2.9305				10.2		20.0			
Trichloroethene	1.2904 1.4489	1.3839 1.5368	1.2081 1.4909	1.5141	1.4829	Ave		1.4195			0.2000	8.2		20.0			
Methylcyclohexane	1.5673 1.9377	1.7083 2.2320	1.5727 2.2872	2.3795	2.1520	Ave		1.9796			0.1000	16.6		20.0			
1,2-Dichloropropane	+++++ 1.6885	1.6462 1.7223	1.4124 1.6408	1.7843	1.7109	Ave		1.6579			0.1000	7.2		20.0			
1,4-Dioxane	+++++ 0.0039	+++++ 0.0042	0.0021 0.0038	0.0033	0.0042	Lin1	-0.058	0.0040							0.9960		0.9900
Dibromomethane	0.8196 1.0310	0.9625 1.0354	0.8222 0.9909	1.0747	1.0106	Ave		0.9684			0.1000	10.0		20.0			
Bromodichloromethane	1.6254 2.0180	1.7476 2.0900	1.5598 1.9946	1.9862	1.9939	Ave		1.8769			0.2000	10.8		20.0			
2-Chloroethyl vinyl ether	+++++ 1.1504	0.9482 1.1598	0.8984 1.1321	1.1292	1.0934	Ave		1.0731				9.8		20.0			
cis-1,3-Dichloropropene	1.9992 2.4026	2.1167 2.4863	1.8609 2.3646	2.3384	2.3617	Ave		2.2413			0.2000	9.9		20.0			
4-Methyl-2-pentanone (MIBK)	0.9203 1.0064	0.9375 0.9978	0.8309 0.9605	1.0031	0.9897	Ave		0.9558			0.1000	6.2		20.0			
Toluene	1.5076 1.5943	1.5915 1.6814	1.3732 1.6268	1.6950	1.6592	Ave		1.5911			0.4000	6.7		20.0			
trans-1,3-Dichloropropene	0.8774 1.0407	0.8583 1.0627	0.8092 1.0571	0.9984	1.0250	Ave		0.9661			0.1000	10.5		20.0			
Ethyl methacrylate	+++++ 0.8719	0.7160 0.8906	0.6646 0.8694	0.8106	0.8395	Ave		0.8090				10.7		20.0			
1,1,2-Trichloroethane	0.4736 0.5559	0.5060 0.5595	0.4823 0.5431	0.5677	0.5506	Ave		0.5298			0.1000	7.0		20.0			
Tetrachloroethene	0.5992 0.6847	0.6508 0.7568	0.5756 0.7681	0.7600	0.7319	Ave		0.6909			0.2000	11.0		20.0			
1,3-Dichloropropane	0.9431 1.0487	0.9598 1.0481	0.8443 1.0289	1.0256	1.0406	Ave		0.9924				7.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1 Analy Batch No.: 561477

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2020 15:38 Calibration End Date: 12/01/2020 18:22 Calibration ID: 40711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.6272 0.7166	0.6731 0.7160	0.6082 0.6865	0.7148	0.7058	Ave		0.6810			0.1000	6.2		20.0			
Dibromochloromethane	0.6442 0.8317	0.7085 0.8585	0.6357 0.8705	0.7678	0.7923	Ave		0.7636			0.1000	12.1		20.0			
1,2-Dibromoethane	0.6510 0.7441	0.6784 0.7517	0.6072 0.7449	0.7443	0.7311	Ave		0.7066				7.7		20.0			
Chlorobenzene	1.8552 1.9625	1.8887 2.0274	1.6421 2.0009	2.0134	1.9774	Ave		1.9210			0.5000	6.7		20.0			
Ethylbenzene	2.8037 3.0334	3.0283 3.2028	2.5850 3.2151	3.2286	3.0952	Ave		3.0240			0.1000	7.5		20.0			
1,1,1,2-Tetrachloroethane	0.5986 0.7325	0.6567 0.7573	0.5698 0.7596	0.7158	0.7249	Ave		0.6894				10.5		20.0			
m,p-Xylene	+++++ 1.2161	1.2232 1.2649	1.0288 1.2756	1.3008	1.2553	Ave		1.2236			0.1000	7.4		20.0			
o-Xylene	1.1005 1.1966	1.1253 1.2449	1.0037 1.2385	1.2544	1.2259	Ave		1.1737			0.3000	7.6		20.0			
Styrene	1.6933 2.0936	1.9142 2.1439	1.6845 2.1269	2.1141	2.0951	Ave		1.9832			0.3000	9.8		20.0			
Bromoform	+++++ 0.5523	0.4527 0.5874	0.4106 0.6027	0.5013	0.5265	Ave		0.5191			0.1000	13.5		20.0			
Isopropylbenzene	2.6150 2.7308	2.7331 2.9297	2.3751 3.0078	2.9482	2.8330	Ave		2.7716			0.1000	7.5		20.0			
Bromobenzene	0.7474 0.8155	0.7736 0.8516	0.6751 0.8460	0.8340	0.8250	Ave		0.7960				7.6		20.0			
1,1,2,2-Tetrachloroethane	0.8225 0.8517	0.8103 0.8705	0.7264 0.8699	0.8503	0.8466	Ave		0.8310			0.3000	5.7		20.0			
N-Propylbenzene	3.0604 3.2854	3.1602 3.5503	2.8560 3.5820	3.5054	3.3969	Ave		3.2996				7.8		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2941	0.2207 0.3113	0.2168 0.3155	0.2725	0.2762	Ave		0.2724				14.7		20.0			
1,2,3-Trichloropropane	+++++ 0.2268	0.2007 0.2349	0.1937 0.2307	0.2364	0.2222	Ave		0.2208				7.7		20.0			
2-Chlorotoluene	0.5998 0.7160	0.7188 0.7644	0.6197 0.7632	0.7525	0.7429	Ave		0.7097				9.1		20.0			
1,3,5-Trimethylbenzene	2.2386 2.4011	2.3577 2.5562	2.0444 2.5763	2.5373	2.4497	Ave		2.3952				7.6		20.0			
4-Chlorotoluene	0.6533 0.7618	0.7640 0.7913	0.6400 0.7947	0.7791	0.7715	Ave		0.7445				8.3		20.0			
tert-Butylbenzene	+++++ 0.4776	0.4542 0.5198	0.4140 0.5274	0.5271	0.4893	Ave		0.4870				8.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1 Analy Batch No.: 561477

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2020 15:38 Calibration End Date: 12/01/2020 18:22 Calibration ID: 40711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.2099 2.4886	2.3670 2.6143	2.1048 2.6550	2.6111	2.5327	Ave		2.4479				8.3		20.0			
sec-Butylbenzene	2.8107 2.9988	2.8792 3.2519	2.5738 3.3217	3.2579	3.1041	Ave		3.0248				8.6		20.0			
4-Isopropyltoluene	2.4255 2.6703	2.5245 2.8622	2.3080 2.9129	2.9132	2.7832	Ave		2.6750				8.7		20.0			
1,3-Dichlorobenzene	1.5046 1.4992	1.4685 1.5579	1.3014 1.5591	1.5777	1.5215	Ave		1.4987			0.6000	5.8		20.0			
1,4-Dichlorobenzene	1.4413 1.5576	1.5228 1.6096	1.3158 1.6055	1.6021	1.5676	Ave		1.5278			0.5000	6.7		20.0			
n-Butylbenzene	2.0749 2.3773	2.2029 2.5753	1.9898 2.6236	2.5568	2.4738	Ave		2.3593				10.3		20.0			
1,2-Dichlorobenzene	1.4066 1.5267	1.4056 1.5728	1.2877 1.5625	1.5621	1.5329	Ave		1.4821			0.4000	7.0		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1461	0.1178 0.1550	0.1242 0.1590	0.1344	0.1423	Ave		0.1398			0.0500	10.9		20.0			
1,2,4-Trichlorobenzene	0.9233 1.1222	1.0138 1.1736	0.8914 1.1309	1.0949	1.0822	Ave		1.0540			0.2000	9.7		20.0			
Hexachlorobutadiene	0.4040 0.5142	0.4625 0.5520	0.4250 0.4749	0.5383	0.5303	Ave		0.4877				11.2		20.0			
Naphthalene	2.5272 2.9600	2.5118 3.0412	2.3835 2.9558	2.8489	2.8480	Ave		2.7596				9.0		20.0			
1,2,3-Trichlorobenzene	0.8935 1.0647	0.9354 1.0955	0.8734 1.0658	1.0689	1.0480	Ave		1.0057				8.9		20.0			
Dibromofluoromethane (Surr)	1.4753 1.5221	1.4877 1.5098	1.4635 1.4225	1.5267	1.5114	Ave		1.4899				2.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8460 0.8341	0.8460 0.8553	0.8229 0.7971	0.8559	0.8399	Ave		0.8372				2.3		20.0			
Toluene-d8 (Surr)	2.4133 2.4116	2.3667 2.3967	2.3953 2.3162	2.3982	2.4378	Ave		2.3920				1.5		20.0			
4-Bromofluorobenzene (Surr)	0.8209 0.8289	0.8237 0.8386	0.8239 0.8343	0.8252	0.8250	Ave		0.8276				0.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1 Analy Batch No.: 561477

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2020 15:38 Calibration End Date: 12/01/2020 18:22 Calibration ID: 40711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-561477/3	D39224.D
Level 2	IC 480-561477/4	D39225.D
Level 3	IC 480-561477/5	D39226.D
Level 4	IC 480-561477/6	D39227.D
Level 5	IC 480-561477/7	D39228.D
Level 6	ICIS 480-561477/8	D39229.D
Level 7	IC 480-561477/9	D39230.D
Level 8	IC 480-561477/10	D39231.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 211369	7423 475663	14211 995478	48470	94480	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	5747 344971	13132 699401	23496 1422402	69600	140139	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	2881 222434	7570 483172	14333 989927	47584	92024	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 207878	5898 473551	13619 978129	44128	87164	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 142843	5212 297416	10091 585421	32747	57644	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 115966	4913 237378	8079 473215	23550	47496	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 244680	8171 540123	14716 1122924	52285	107965	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	4657 290155	12389 601873	20316 1208192	60422	118872	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	2839 195004	7287 393943	13513 760370	39508	78632	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	802 46459	1541 98981	3077 189849	9331	19061	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	+++++ 161468	3498 377107	8651 817005	38251	72152	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	+++++ 161885	5354 357738	10269 759196	36127	68454	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	7397 392019	17658 771183	30487 1450260	84403	162217	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	+++++ 361166	10604 780710	21946 1579672	71984	138153	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	9500	23517	40384	134036	244176	0.400	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1 Analy Batch No.: 561477

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2020 15:38 Calibration End Date: 12/01/2020 18:22 Calibration ID: 40711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			581575	1270132	2633668			25.0	50.0	100		
Allyl chloride	FB	Ave	7757 434883	17007 899061	29798 1785648	90357	179762	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	7603 446242	18953 894294	33606 1641278	93192	181436	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	7033 224154	11639 449663	17902 885513	47839	92857	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 238369	8538 484065	15627 925441	46007	92664	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	7674 549598	20486 1094286	36795 2143974	110570	218584	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 192263	6839 409274	12268 812265	41546	79148	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	15522 1042213	40558 2032647	75991 3749260	214974	413054	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	4642 295565	11058 678829	20670 1445730	76595	137383	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5967 399020	15524 813615	27039 1578354	84795	163243	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	18898 1330762	49103 2693991	90874 5229783	260474	528421	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3142 211077	8043 449878	14524 890986	47797	87929	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3192 221419	8726 454965	14804 877117	47146	92452	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	11071 711339	27477 1419983	50535 2714959	146614	284598	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1835 131215	4626 267605	9103 511220	26344	52735	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 190987	8798 373032	15121 715271	40407	76836	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	7045 370635	16008 753416	26928 1462937	79247	152577	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	+++++ 278964	9944 608048	18604 1231762	63240	118675	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 362205	11368 841995	22958 1797188	90978	163540	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 252209	8768 570298	15885 1188890	54353	106005	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	3680 243473	9554 534820	17040 1086475	56388	104979	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	5002	11862	21739	62156	118709	10.0	25.0	50.0	125	250

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1 Analy Batch No.: 561477

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2020 15:38 Calibration End Date: 12/01/2020 18:22 Calibration ID: 40711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			299580	605905	1122526			625	1250	2500		
Benzene	FB	Ave	11453 763194	30530 1577334	53525 3073527	165039	315006	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	5212 322103	12988 645194	21991 1235327	67434	130773	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	7284 377819	16017 863943	29957 1910649	95255	180789	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3089 210502	8132 440948	14650 880123	43859	87367	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	3752 281510	10038 640415	19072 1350183	68926	126790	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	+++++ 245316	9673 494166	17128 968591	51687	100802	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZd5	Lin1	+++++ 24847	+++++ 52519	1077 96513	4248	10849	+++++ 500	+++++ 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	1962 149782	5656 297065	9971 584969	31130	59544	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	3891 293175	10269 599649	18915 1177427	57534	117474	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 167135	5572 332773	10894 668283	32709	64419	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	4786 349056	12438 713372	22566 1395845	67737	139148	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZd5	Ave	23738 1594609	60467 3132793	108504 6078620	323382	631613	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZd5	Ave	7777 505224	20531 1055829	35864 2058962	109289	211778	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZd5	Ave	4526 329776	11072 667350	21134 1337968	64375	130825	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZd5	Ave	+++++ 276285	9237 559281	17358 1100422	52267	107155	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZd5	Ave	2443 176170	6527 351320	12596 687330	36607	70275	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZd5	Ave	3091 216969	8396 475258	15033 972108	49002	93421	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1 Analy Batch No.: 561477

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2020 15:38 Calibration End Date: 12/01/2020 18:22 Calibration ID: 40711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,3-Dichloropropane	CBNZd5	Ave	4865 332305	12381 658159	22051 1302189	66130	132814	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZd5	Ave	16177 1135413	43415 2248209	79420 4344550	230437	450428	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZd5	Ave	3323 263545	9140 539122	16603 1101768	49509	101122	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZd5	Ave	3358 235808	8751 472010	15858 942836	47992	93310	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZd5	Ave	9570 621897	24364 1273133	42889 2532421	129822	252395	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZd5	Ave	14463 961247	39066 2011207	67515 4069156	208175	395065	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	3088 232129	8472 475581	14881 961332	46151	92519	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZd5	Ave	+++++ 385377	15780 794318	26871 1614505	83877	160220	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZd5	Ave	5677 379192	14517 781759	26214 1567490	80880	156470	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZd5	Ave	8735 663435	24693 1346276	43996 2691963	136313	267411	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZd5	Ave	+++++ 175008	5840 368849	10724 762872	32321	67207	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd4	Ave	14841 958509	38876 2011903	67736 4136816	210406	400504	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd4	Ave	4242 286248	11004 584832	19254 1163598	59521	116630	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	4668 298937	11526 597824	20716 1196363	60687	119680	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd4	Ave	17369 1153182	44952 2438099	81451 4926466	250174	480224	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	+++++ 103235	3139 213768	6183 433921	19449	39047	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1 Analy Batch No.: 561477

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2020 15:38 Calibration End Date: 12/01/2020 18:22 Calibration ID: 40711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,3-Trichloropropane	DCBd4	Ave	+++++ 79612	2855 161299	5525 317264	16872	31407	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd4	Ave	3404 251298	10224 524915	17674 1049706	53702	105031	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd4	Ave	12705 842777	33536 1755377	58304 3543337	181085	346316	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd4	Ave	3708 267395	10868 543418	18253 1092952	55603	109066	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd4	Ave	+++++ 167629	6460 356981	11806 725347	37616	69178	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd4	Ave	12542 873483	33669 1795279	60027 3651532	186348	358047	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd4	Ave	15952 1052569	40954 2233171	73404 4568463	232513	438829	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd4	Ave	13766 937279	35909 1965564	65823 4006179	207912	393471	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd4	Ave	8539 526231	20888 1069814	37114 2144262	112595	215095	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dichlorobenzene	DCBd4	Ave	8180 546728	21661 1105350	37527 2208132	114341	221613	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd4	Ave	11776 834417	31334 1768550	56747 3608302	182476	349723	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd4	Ave	7983 535868	19993 1080099	36724 2148993	111485	216705	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	+++++ 51285	1676 106424	3543 218715	9591	20124	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd4	Ave	5240 393892	14420 805939	25423 1555351	78140	152987	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd4	Ave	2293 180476	6579 379041	12122 653197	38418	74964	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd4	Ave	14343 1038960	35729 2088473	67976 4065211	203319	402623	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd4	Ave	5071 373712	13306 752335	24908 1465858	76288	148151	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	220729 221140	218549 216601	221839 209930	221114	222620	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	126585 121182	124282 122694	124740 117628	123960	123719	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZd5	Ave	778049 764203	763279 752511	781985 732869	773179	777884	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1 Analy Batch No.: 561477

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2020 15:38 Calibration End Date: 12/01/2020 18:22 Calibration ID: 40711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Bromofluorobenzene (Surr)	CBNZd5	Ave	264664 262683	265641 263318	268981 263973	266028	263268	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39224.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 01-Dec-2020 15:38:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0095354-003
Operator ID: WD Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Dec-2020 10:43:50 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: HillL Date: 03-Dec-2020 10:19:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.452	5.446	0.006	98	149620	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.830	7.824	0.006	87	322406	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.756	9.750	0.006	95	354714	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.964	4.965	-0.001	93	220729	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.227	5.227	0.000	97	126585	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.659	6.659	0.000	95	778049	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.793	8.787	0.006	93	264664	25.0	24.8	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	85	1814	0.4000	0.2019	
12 Chloromethane	50	1.660	1.666	-0.006	96	5747	0.4000	0.4136	
13 Vinyl chloride	62	1.764	1.764	0.000	93	2881	0.4000	0.3272	
144 Butadiene	54	1.788	1.788	0.000	72	1306	0.4000	0.1548	
14 Bromomethane	94	2.142	2.148	-0.006	51	2433	0.4000	0.4161	M
15 Chloroethane	64	2.252	2.246	0.006	76	1015	0.4000	0.2140	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	81	1818	0.4000	0.1816	Ma
16 Dichlorofluoromethane	67	2.483	2.477	0.006	90	4657	0.4000	0.3897	
18 Ethyl ether	59	2.764	2.758	0.006	91	2839	0.4000	0.3705	
20 Acrolein	56	2.959	2.953	0.006	89	802	2.00	2.16	Ma
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.983				ND	ND	
22 1,1-Dichloroethene	96	3.001	3.008	-0.007	78	1116	0.4000	0.1670	a
23 Acetone	43	3.105	3.105	0.000	98	7397	2.00	2.24	
25 Iodomethane	142	3.190	3.184	0.006	79	2740	0.4000	0.1963	
26 Carbon disulfide	76	3.209	3.203	0.006	99	9500	0.4000	0.3852	
28 3-Chloro-1-propene	41	3.349	3.349	0.000	86	7757	0.4000	0.4336	
27 Methyl acetate	43	3.392	3.386	0.006	99	7603	0.8000	0.8317	
30 Methylene Chloride	84	3.514	3.526	-0.012	89	7033	0.4000	0.4576	
31 2-Methyl-2-propanol	59	3.635	3.636	-0.001	93	2926	4.00	3.17	
32 Methyl tert-butyl ether	73	3.678	3.672	0.006	96	7674	0.4000	0.3602	
34 trans-1,2-Dichloroethene	96	3.696	3.697	0.000	93	2397	0.4000	0.3088	
33 Acrylonitrile	53	3.757	3.751	0.006	97	15522	4.00	3.79	a
35 Hexane	57	3.867	3.861	0.006	89	4642	0.4000	0.3576	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.081	4.074	0.006	90	5967	0.4000	0.3742	
37 Vinyl acetate	43	4.117	4.111	0.006	96	18898	0.8000	0.7310	
44 2,2-Dichloropropane	77	4.538	4.532	0.006	85	3142	0.4000	0.3636	a
45 cis-1,2-Dichloroethene	96	4.568	4.562	0.006	79	3192	0.4000	0.3606	
43 2-Butanone (MEK)	43	4.593	4.587	0.006	98	11071	2.00	1.96	
48 Chlorobromomethane	128	4.775	4.769	0.006	90	1835	0.4000	0.3601	
49 Tetrahydrofuran	42	4.788	4.782	0.006	92	4431	0.8000	1.12	
50 Chloroform	83	4.830	4.830	0.000	95	7045	0.4000	0.4513	
51 1,1,1-Trichloroethane	97	4.934	4.928	0.006	0	3506	0.4000	0.3026	M
52 Cyclohexane	56	4.940	4.940	0.000	92	4522	0.4000	0.2903	
55 Carbon tetrachloride	117	5.050	5.044	0.006	90	3153	0.4000	0.3019	
54 1,1-Dichloropropene	75	5.056	5.056	0.000	86	3680	0.4000	0.3597	
53 Isobutyl alcohol	43	5.214	5.215	0.000	92	5002	10.0	10.4	
57 Benzene	78	5.233	5.233	0.000	89	11453	0.4000	0.3698	
58 1,2-Dichloroethane	62	5.288	5.288	0.000	91	5212	0.4000	0.4026	
59 n-Heptane	43	5.349	5.349	0.000	96	7284	0.4000	0.4153	
62 Trichloroethene	95	5.727	5.727	0.000	95	3089	0.4000	0.3636	
64 Methylcyclohexane	83	5.824	5.824	0.000	93	3752	0.4000	0.3167	
65 1,2-Dichloropropane	63	5.928	5.928	0.000	83	3341	0.4000	0.3367	
66 1,4-Dioxane	88		6.031				ND	ND	
67 Dibromomethane	93	6.044	6.044	0.000	94	1962	0.4000	0.3385	
68 Dichlorobromomethane	83	6.153	6.153	0.000	91	3891	0.4000	0.3464	a
69 2-Chloroethyl vinyl ether	63	6.354	6.355	-0.001	81	1929	0.4000	0.3004	a
72 cis-1,3-Dichloropropene	75	6.482	6.483	-0.001	88	4786	0.4000	0.3568	
73 4-Methyl-2-pentanone (MIBK)	43	6.580	6.580	0.000	98	23738	2.00	1.93	
74 Toluene	92	6.714	6.714	0.000	97	7777	0.4000	0.3790	
77 trans-1,3-Dichloropropene	75	6.928	6.921	0.007	93	4526	0.4000	0.3633	
75 Ethyl methacrylate	69	6.928	6.928	0.000	85	3397	0.4000	0.3256	
79 1,1,2-Trichloroethane	83	7.080	7.080	0.000	84	2443	0.4000	0.3575	
81 Tetrachloroethene	166	7.141	7.135	0.006	88	3091	0.4000	0.3469	
82 1,3-Dichloropropane	76	7.208	7.208	0.000	92	4865	0.4000	0.3801	
80 2-Hexanone	43	7.232	7.232	0.000	96	16177	2.00	1.84	
83 Chlorodibromomethane	129	7.403	7.403	0.000	83	3323	0.4000	0.3374	
84 Ethylene Dibromide	107	7.501	7.495	0.006	97	3358	0.4000	0.3685	
87 Chlorobenzene	112	7.854	7.854	0.000	97	9570	0.4000	0.3863	
88 Ethylbenzene	91	7.909	7.903	0.006	98	14463	0.4000	0.3709	
89 1,1,1,2-Tetrachloroethane	131	7.921	7.921	0.000	92	3088	0.4000	0.3473	
90 m-Xylene & p-Xylene	106	8.000	7.994	0.006	97	5187	0.4000	0.3287	
91 o-Xylene	106	8.330	8.330	0.000	96	5677	0.4000	0.3750	
92 Styrene	104	8.354	8.354	0.000	95	8735	0.4000	0.3415	
95 Bromoform	173	8.574	8.568	0.006	89	1926	0.4000	0.2877	
94 Isopropylbenzene	105	8.616	8.616	0.000	95	14841	0.4000	0.3774	
101 Bromobenzene	156	8.927	8.927	0.000	88	4242	0.4000	0.3756	
97 1,1,2,2-Tetrachloroethane	83	8.939	8.933	0.006	85	4668	0.4000	0.3959	
99 N-Propylbenzene	91	8.958	8.958	0.000	98	17369	0.4000	0.3710	
98 trans-1,4-Dichloro-2-butene	53	8.970	8.970	0.000	68	1061	0.4000	0.2745	
100 1,2,3-Trichloropropane	110	8.976	8.976	0.000	85	859	0.4000	0.2742	
103 2-Chlorotoluene	126	9.067	9.061	0.006	96	3404	0.4000	0.3381	
102 1,3,5-Trimethylbenzene	105	9.098	9.098	0.000	93	12705	0.4000	0.3739	
105 4-Chlorotoluene	126	9.159	9.153	0.006	95	3708	0.4000	0.3510	
106 tert-Butylbenzene	134	9.372	9.372	0.000	94	2083	0.4000	0.3014	
107 1,2,4-Trimethylbenzene	105	9.421	9.421	0.000	93	12542	0.4000	0.3611	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.555	9.555	0.000	94	15952	0.4000	0.3717	
110 4-Isopropyltoluene	119	9.671	9.665	0.006	97	13766	0.4000	0.3627	
111 1,3-Dichlorobenzene	146	9.701	9.701	0.000	95	8539	0.4000	0.4016	
113 1,4-Dichlorobenzene	146	9.775	9.775	0.000	94	8180	0.4000	0.3774	
115 n-Butylbenzene	91	10.018	10.018	0.000	94	11776	0.4000	0.3518	
116 1,2-Dichlorobenzene	146	10.104	10.104	0.000	95	7983	0.4000	0.3796	
117 1,2-Dibromo-3-Chloropropane	75	10.793	10.793	0.000	69	480	0.4000	0.2419	
119 1,2,4-Trichlorobenzene	180	11.433	11.433	0.000	93	5240	0.4000	0.3504	
120 Hexachlorobutadiene	225	11.524	11.524	0.000	85	2293	0.4000	0.3314	
121 Naphthalene	128	11.646	11.646	0.000	96	14343	0.4000	0.3663	
122 1,2,3-Trichlorobenzene	180	11.835	11.835	0.000	93	5071	0.4000	0.3554	a
S 124 Xylenes, Total	1				0			0.7038	
S 125 1,2-Dichloroethene, Total	1				0			0.6694	
S 126 1,3-Dichloropropene, Total	1				0			0.7201	
S 123 Total BTEX	1				0			1.82	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00195	Amount Added:	0.40	Units: uL	
GAS CORP mix_00430	Amount Added:	0.40	Units: uL	
D 8260 IS/SUR_00025	Amount Added:	1.00	Units: uL	Run Reagent

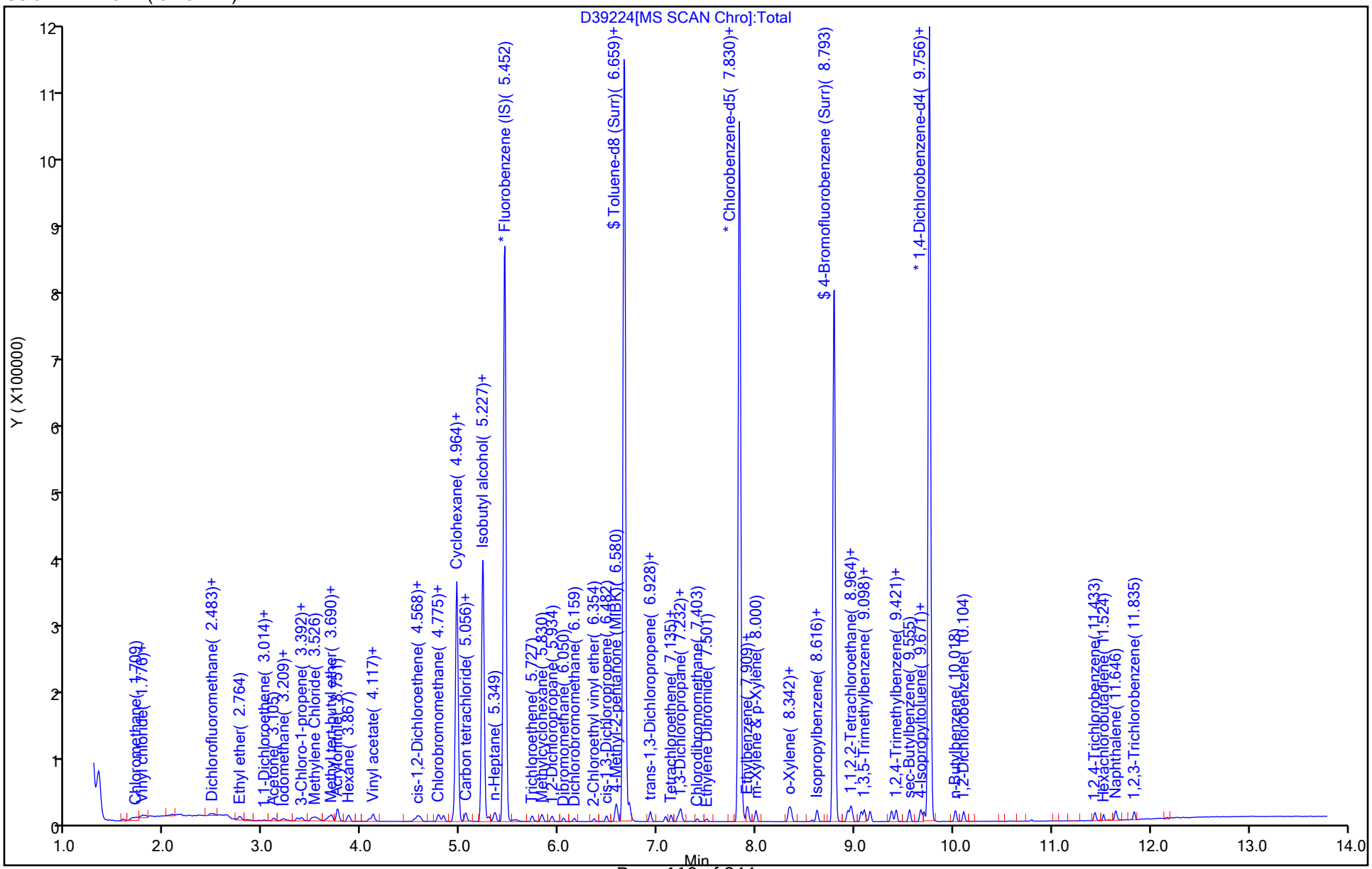
Report Date: 03-Dec-2020 10:43:51 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39224.D

Injection Date:	01-Dec-2020 15:38:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	IC 0.4			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

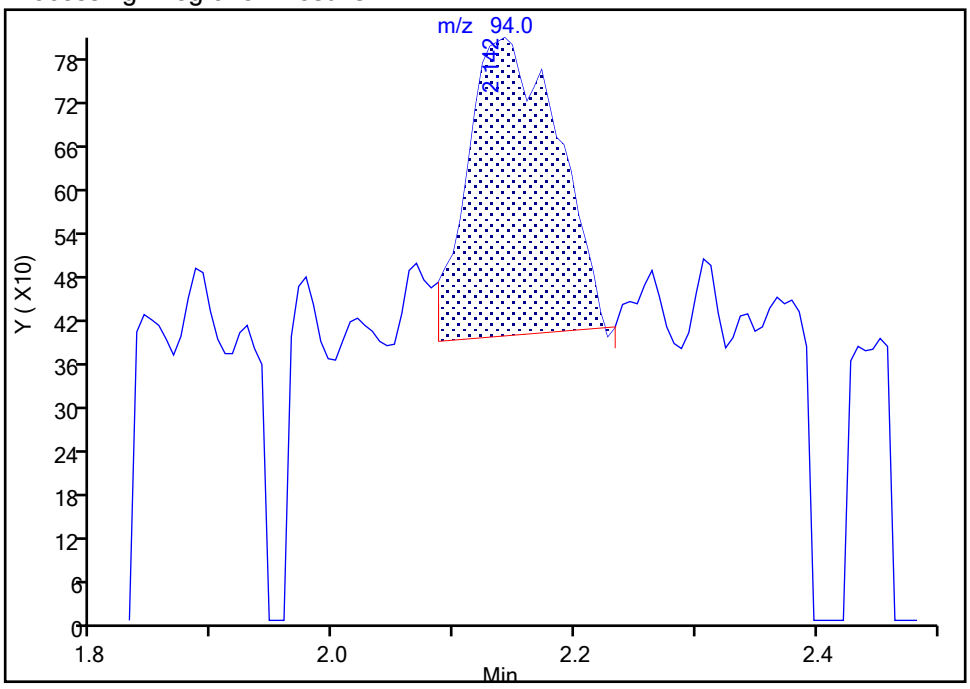
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39224.D
Injection Date: 01-Dec-2020 15:38:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

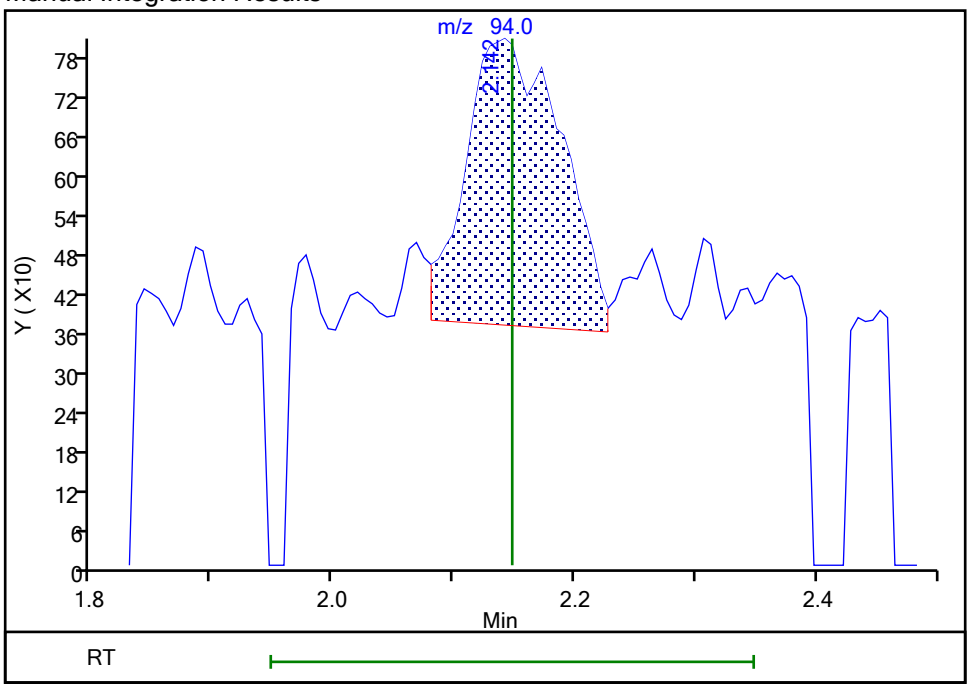
Processing Integration Results

RT: 2.14
Area: 2139
Amount: 0.318752
Amount Units: ug/L



Manual Integration Results

RT: 2.14
Area: 2433
Amount: 0.416070
Amount Units: ug/L



Reviewer: HillL, 03-Dec-2020 10:18:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

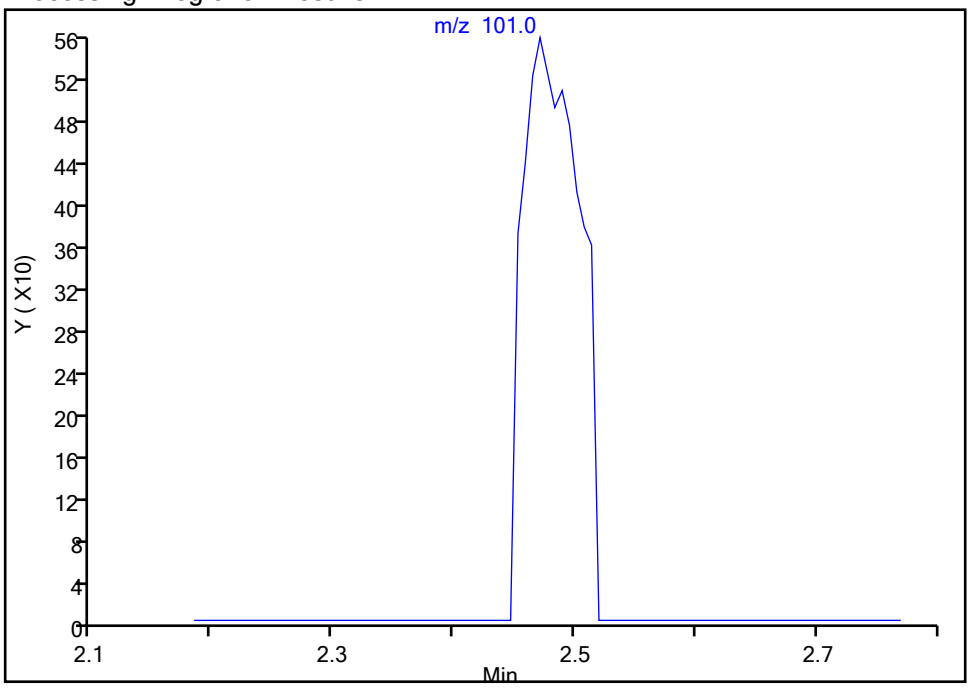
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39224.D
Injection Date: 01-Dec-2020 15:38:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

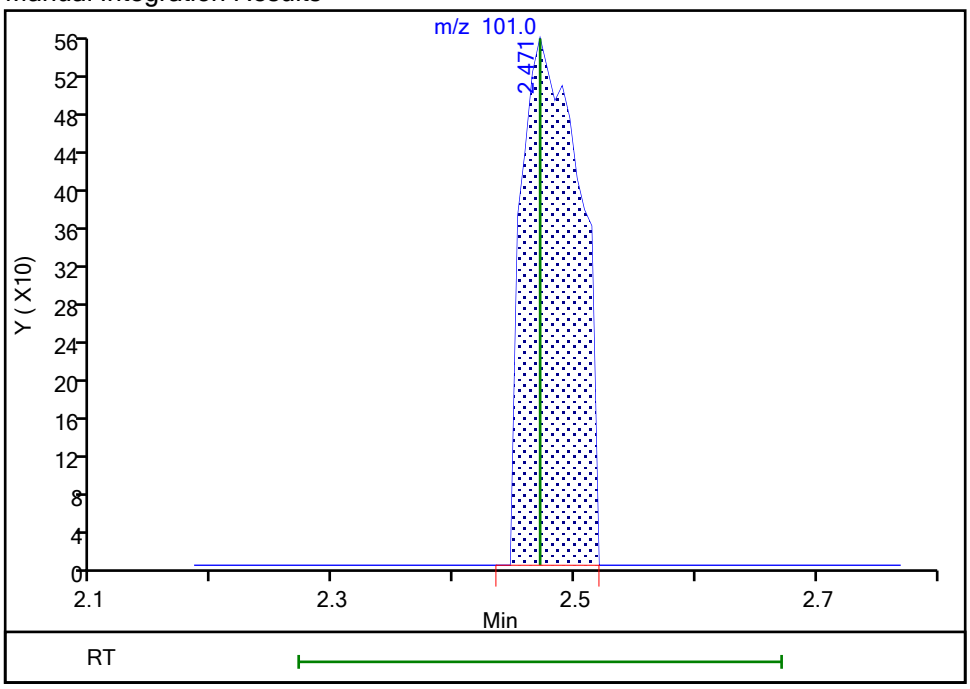
Not Detected
Expected RT: 2.47

Processing Integration Results



Manual Integration Results

RT: 2.47
Area: 1818
Amount: 0.181581
Amount Units: ug/L



Reviewer: dahnw, 01-Dec-2020 16:29:59
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

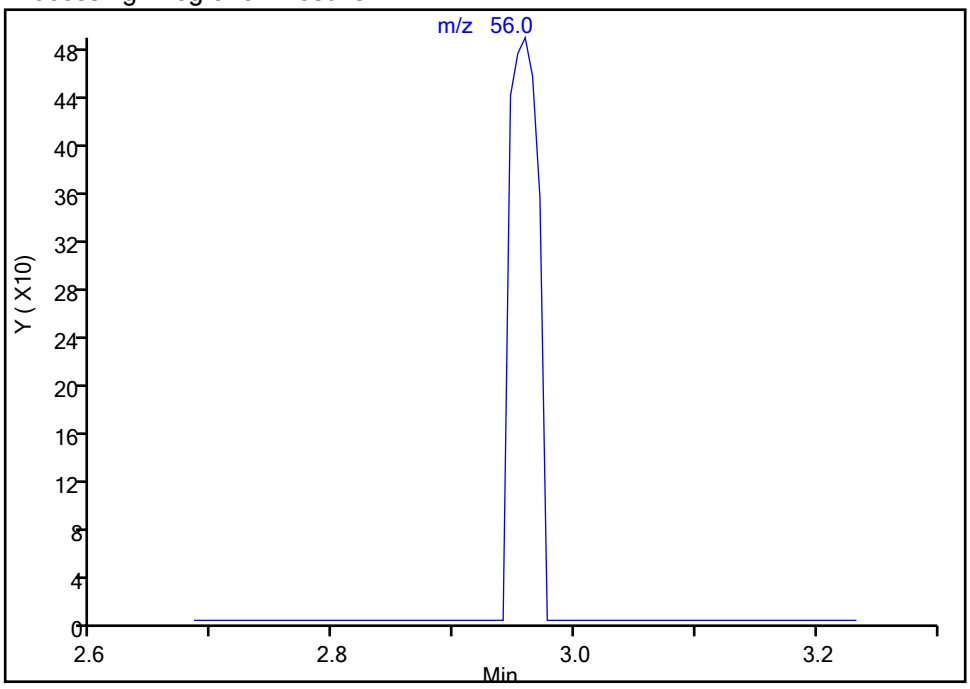
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39224.D
Injection Date: 01-Dec-2020 15:38:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

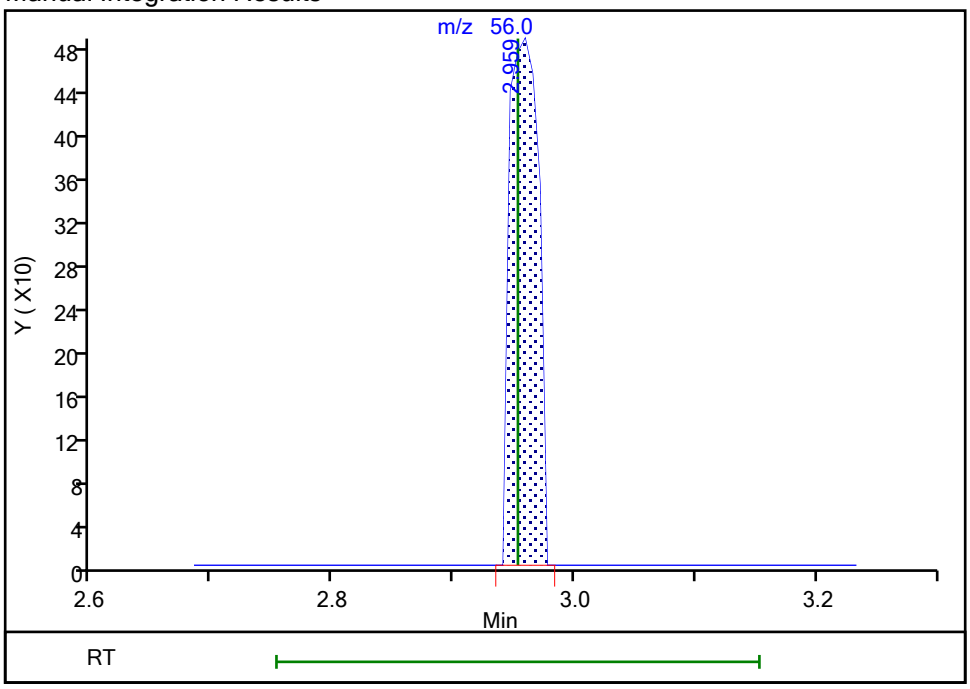
Not Detected
Expected RT: 2.95

Processing Integration Results



Manual Integration Results

RT: 2.96
Area: 802
Amount: 2.158765
Amount Units: ug/L



Reviewer: dahnw, 02-Dec-2020 08:25:03
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

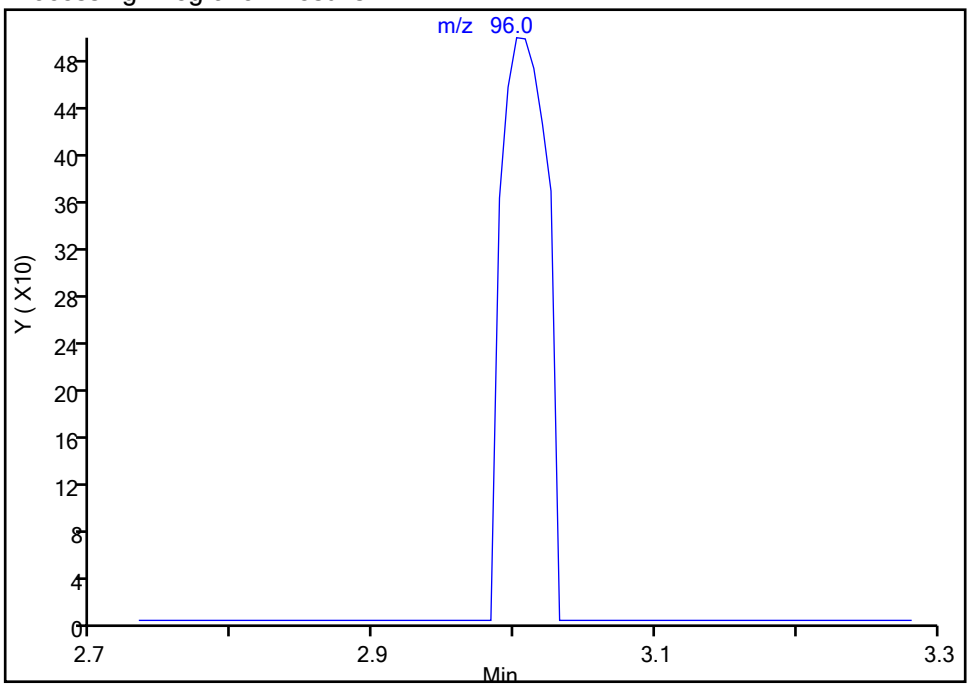
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39224.D
Injection Date: 01-Dec-2020 15:38:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

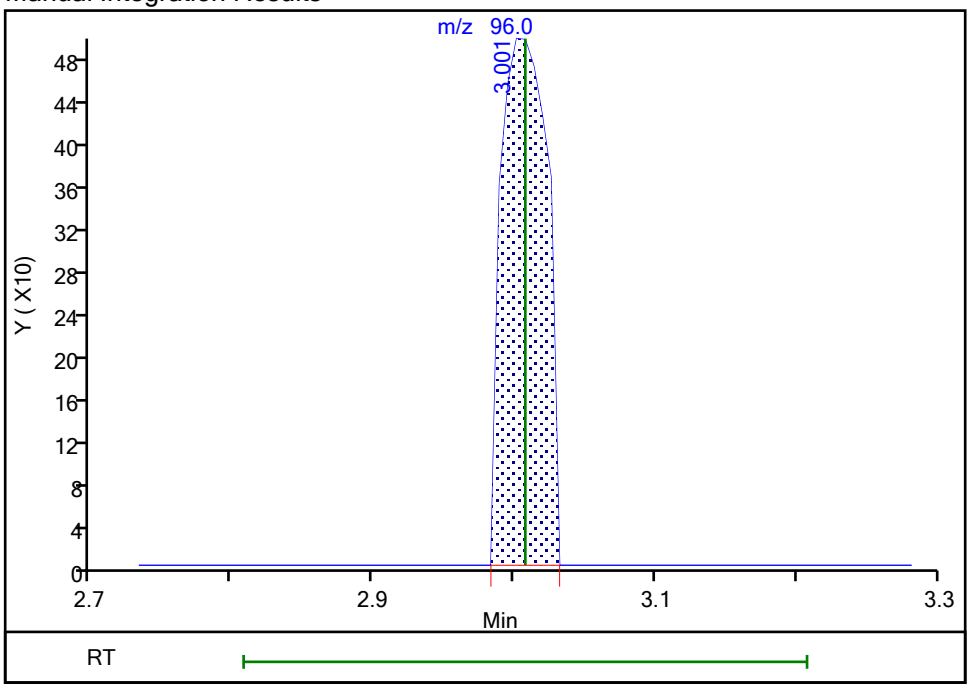
Not Detected
Expected RT: 3.01

Processing Integration Results



Manual Integration Results

RT: 3.00
Area: 1116
Amount: 0.167043
Amount Units: ug/L



Reviewer: dahnw, 01-Dec-2020 16:30:06
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

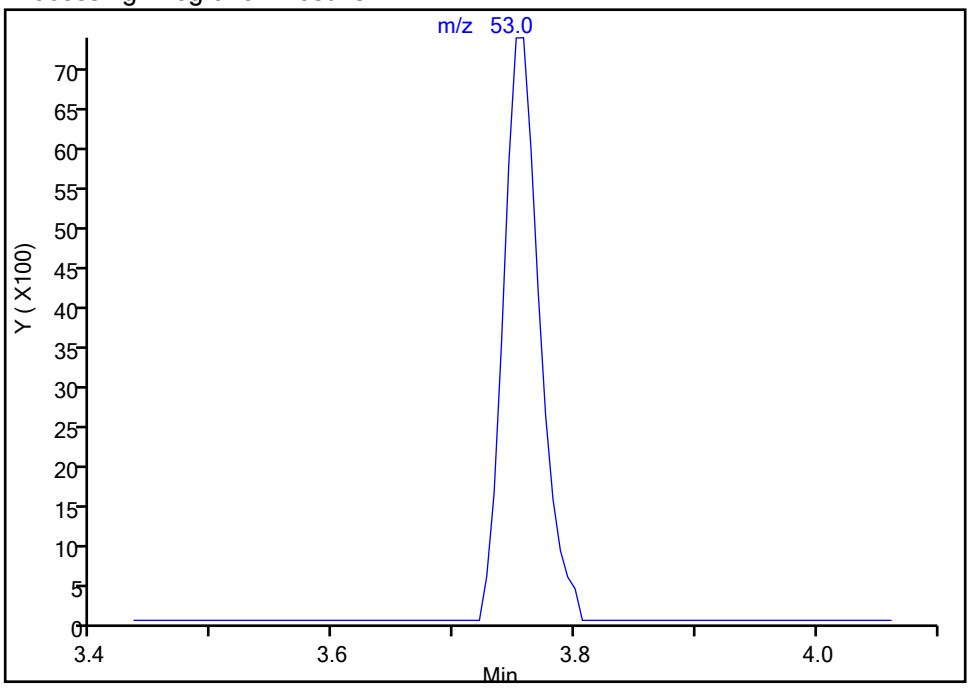
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39224.D				
Injection Date:	01-Dec-2020 15:38:30	Instrument ID:	HP5975D		
Lims ID:	IC 0.4				
Client ID:					
Operator ID:	WD	ALS Bottle#:	3	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

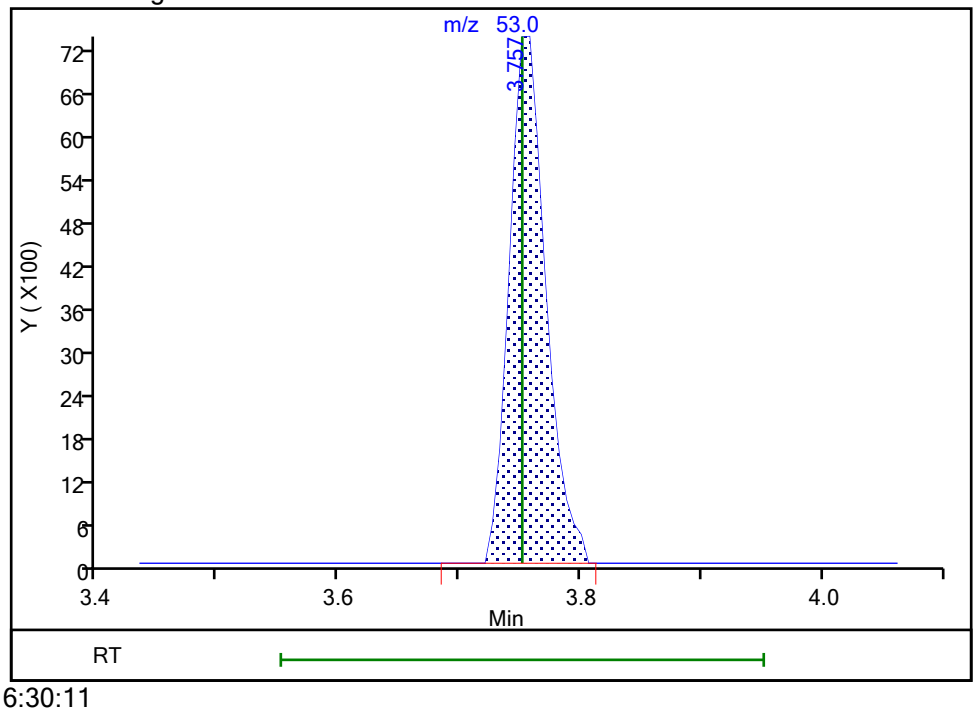
Not Detected
Expected RT: 3.75

Processing Integration Results



Manual Integration Results

RT: 3.76
Area: 15522
Amount: 3.793574
Amount Units: ug/L



Reviewer: dahnw, 01-Dec-2020 16:30:11
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

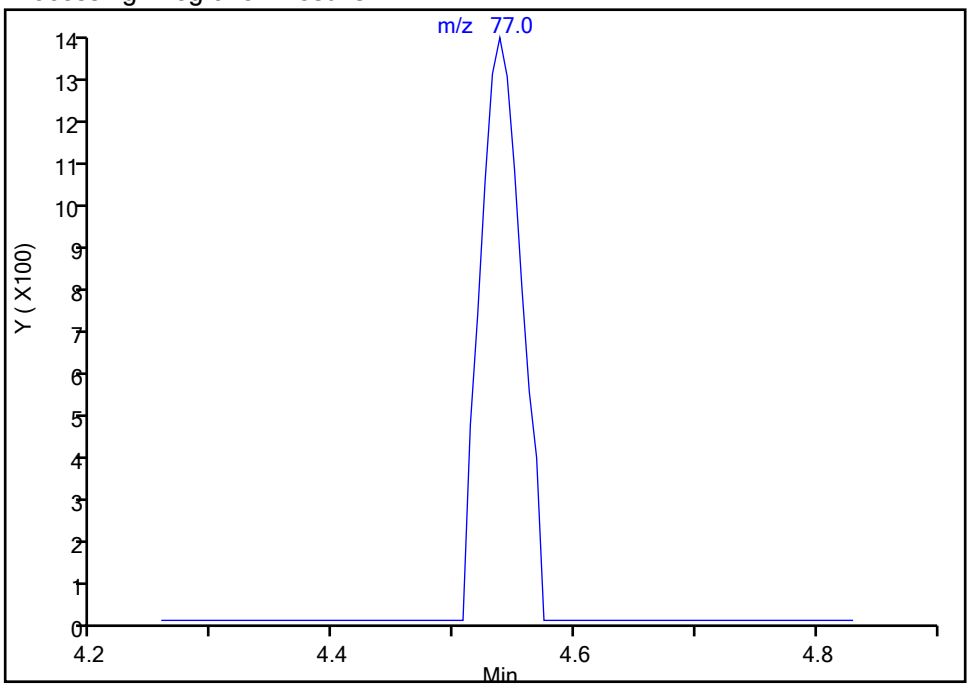
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39224.D
Injection Date: 01-Dec-2020 15:38:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

44 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

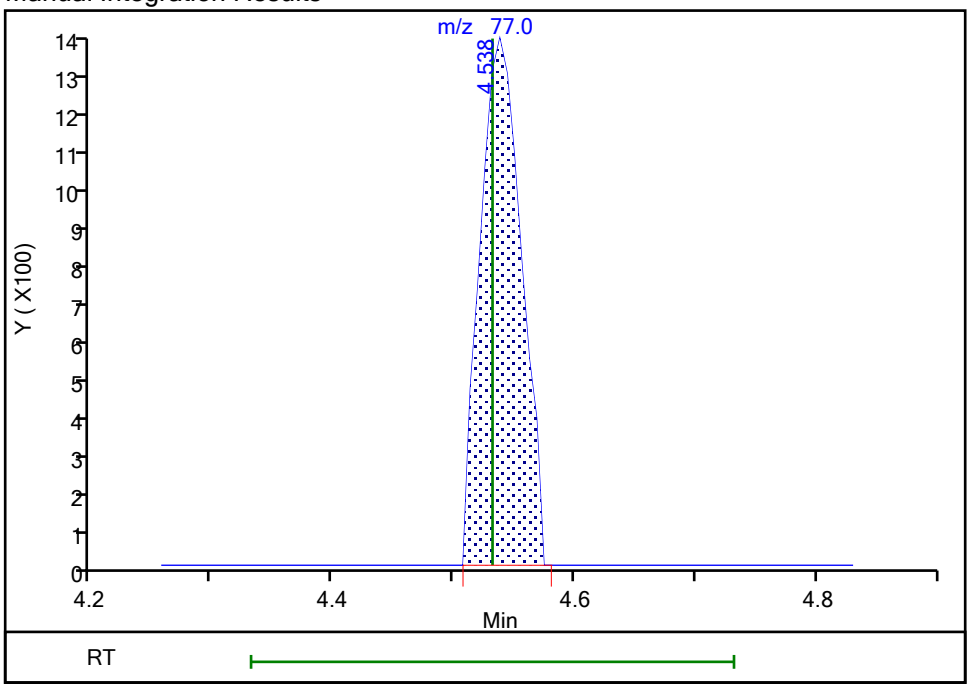
Not Detected
Expected RT: 4.53

Processing Integration Results



Manual Integration Results

RT: 4.54
Area: 3142
Amount: 0.363584
Amount Units: ug/L



Reviewer: dahnw, 01-Dec-2020 16:30:16
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

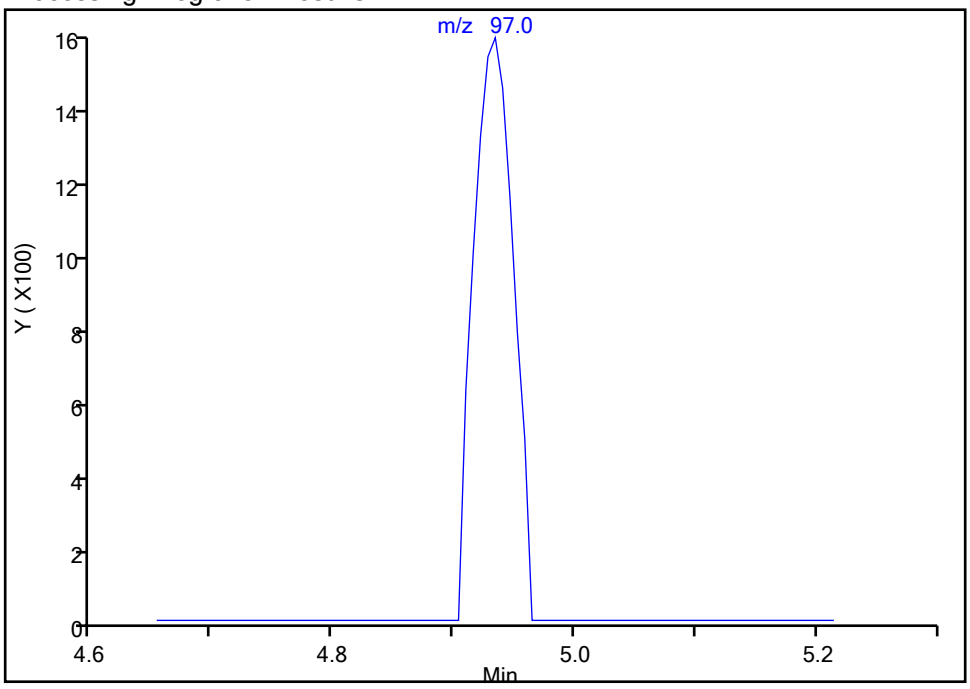
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39224.D
Injection Date: 01-Dec-2020 15:38:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

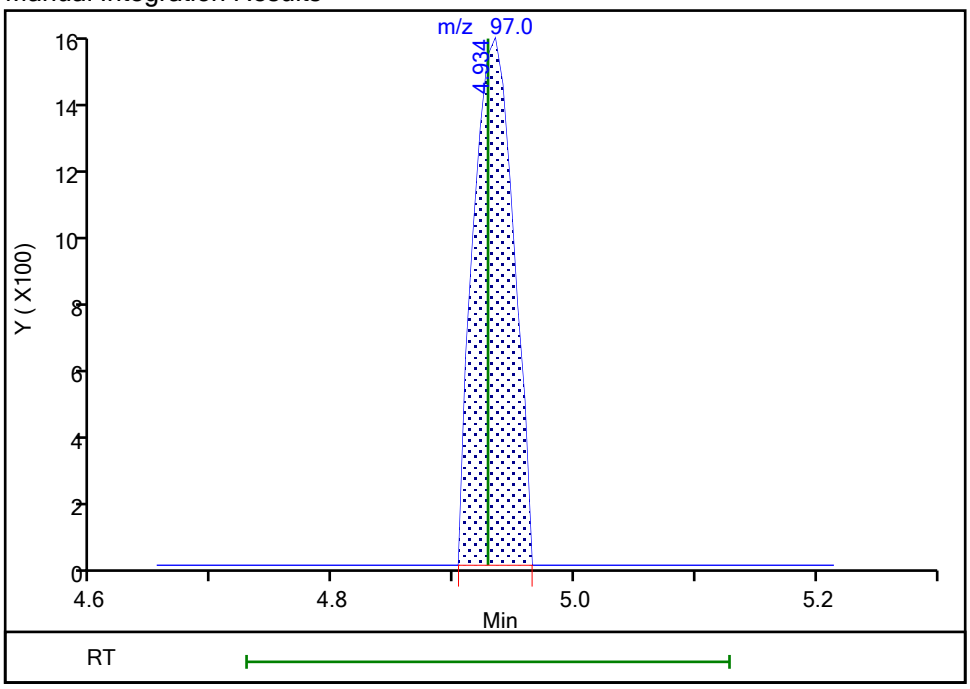
Not Detected
Expected RT: 4.93

Processing Integration Results



Manual Integration Results

RT: 4.93
Area: 3506
Amount: 0.302640
Amount Units: ug/L



Reviewer: dahnw, 01-Dec-2020 16:35:28
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

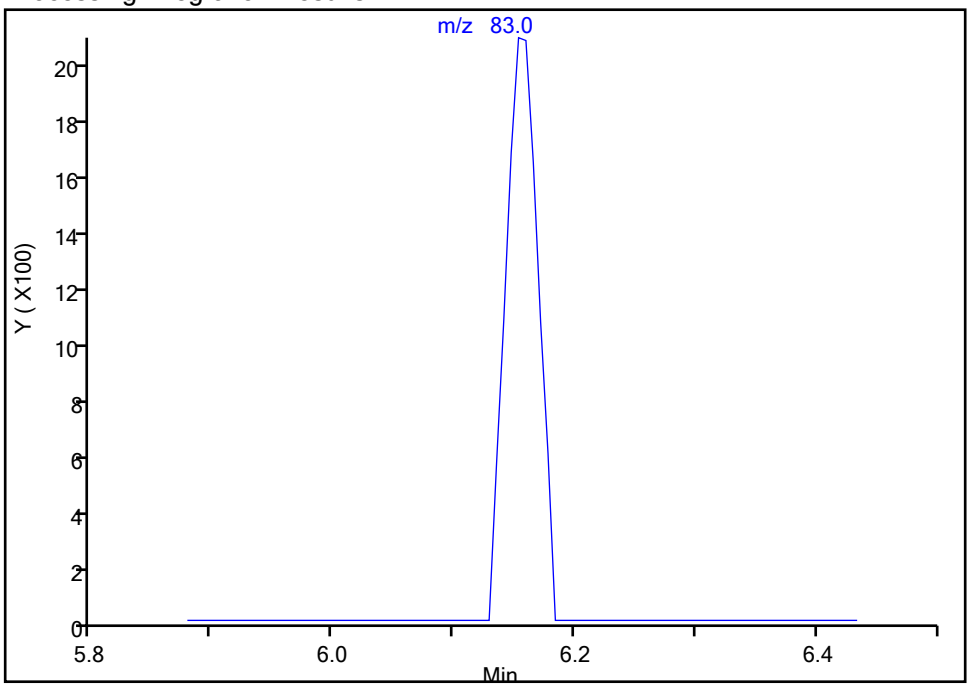
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39224.D
Injection Date: 01-Dec-2020 15:38:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

68 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

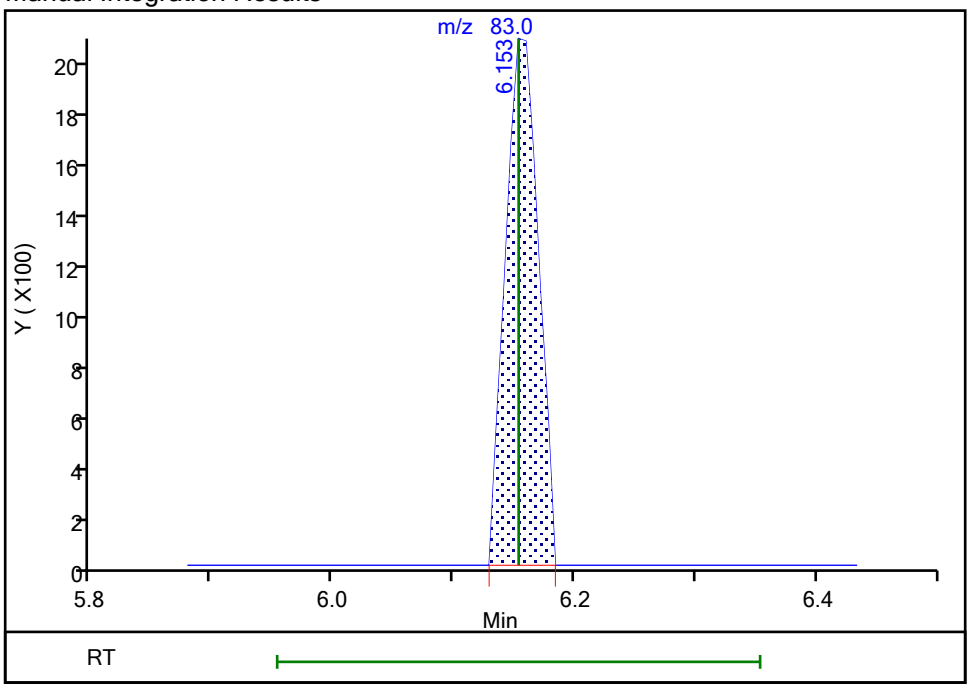
Not Detected
Expected RT: 6.15

Processing Integration Results



Manual Integration Results

RT: 6.15
Area: 3891
Amount: 0.346392
Amount Units: ug/L



Reviewer: dahnw, 01-Dec-2020 16:30:25
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

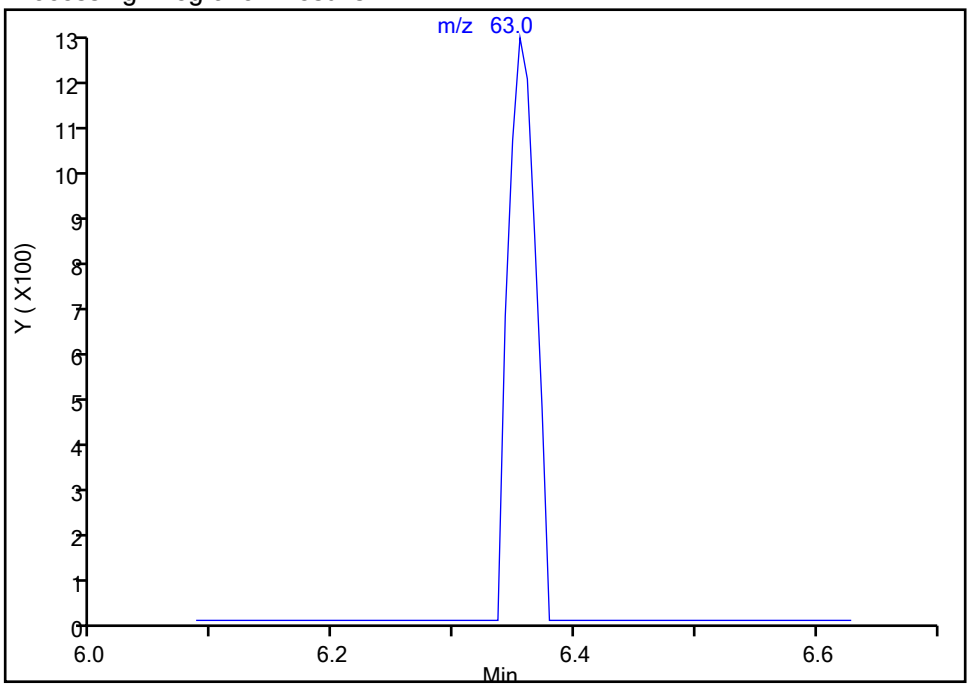
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39224.D
Injection Date: 01-Dec-2020 15:38:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

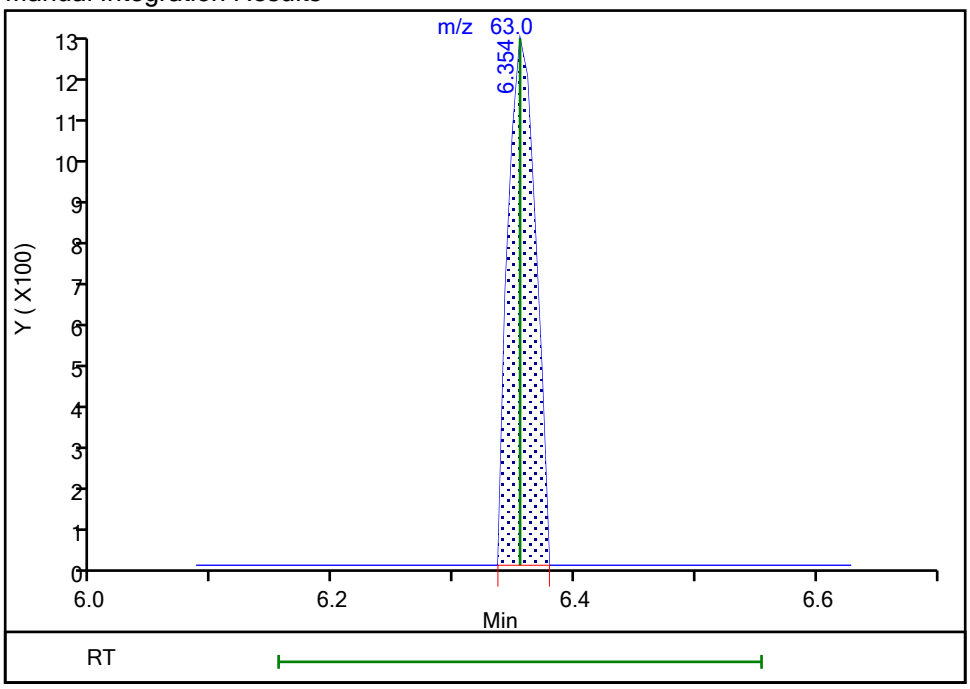
Not Detected
Expected RT: 6.35

Processing Integration Results



Manual Integration Results

RT: 6.35
Area: 1929
Amount: 0.300370
Amount Units: ug/L



Reviewer: dahnw, 01-Dec-2020 16:30:28
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

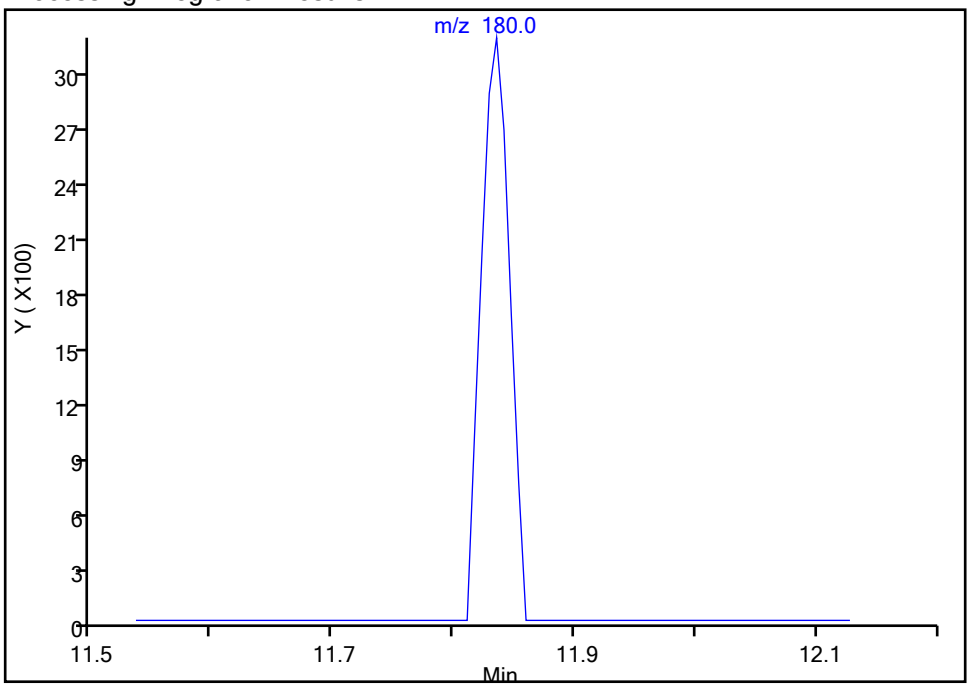
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39224.D
Injection Date: 01-Dec-2020 15:38:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

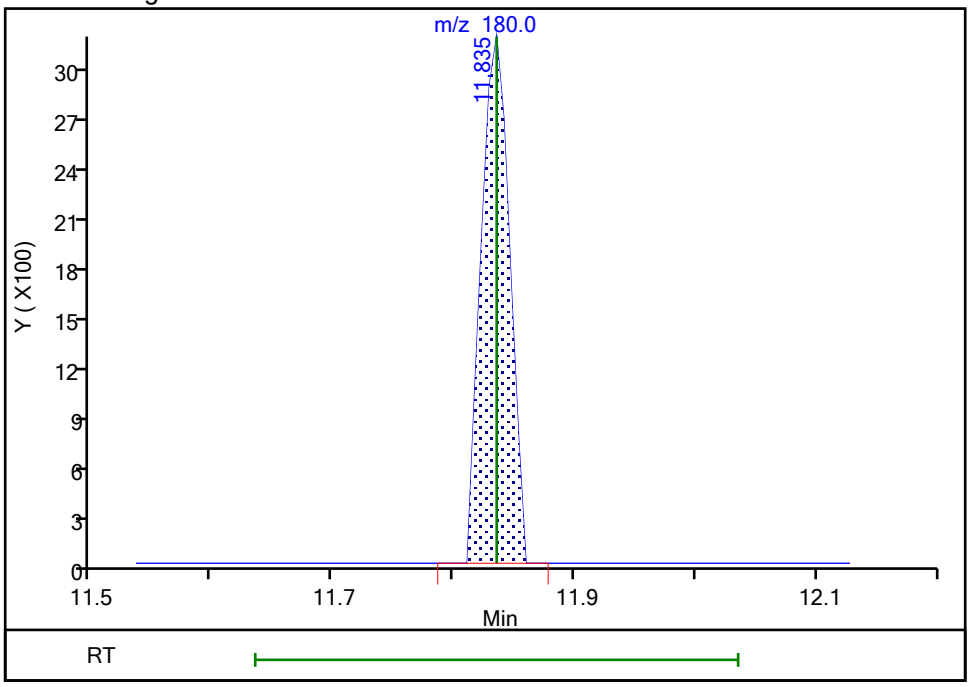
Not Detected
Expected RT: 11.84

Processing Integration Results



Manual Integration Results

RT: 11.84
Area: 5071
Amount: 0.355389
Amount Units: ug/L



Reviewer: dahnw, 01-Dec-2020 16:31:09
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39225.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Dec-2020 16:01:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0095354-004
Operator ID: WD Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Dec-2020 10:43:53 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: dahnw Date: 01-Dec-2020 16:31:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.446	5.446	0.000	98	146903	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.830	7.824	0.006	87	322503	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.756	9.750	0.006	95	355605	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.965	4.965	0.000	93	218549	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.227	5.227	0.000	98	124282	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.660	6.659	0.001	95	763279	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.787	8.787	0.000	93	265641	25.0	24.9	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	97	7423	1.00	0.8413	
12 Chloromethane	50	1.654	1.666	-0.012	98	13132	1.00	0.9625	
13 Vinyl chloride	62	1.764	1.764	0.000	94	7570	1.00	0.8756	
144 Butadiene	54	1.789	1.788	0.001	97	5898	1.00	0.7120	
14 Bromomethane	94	2.142	2.148	-0.006	87	5212	1.00	0.9078	M
15 Chloroethane	64	2.240	2.246	-0.006	81	4913	1.00	1.05	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	85	8171	1.00	0.8312	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	92	12389	1.00	1.06	
18 Ethyl ether	59	2.758	2.758	0.000	91	7287	1.00	0.9686	
20 Acrolein	56	2.953	2.953	0.000	96	1541	5.00	4.22	Ma
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.990	2.983	0.007	63	3498	1.00	1.14	M
22 1,1-Dichloroethene	96	3.008	3.008	0.000	89	5354	1.00	0.8162	M
23 Acetone	43	3.105	3.105	0.000	97	17658	5.00	5.43	M
25 Iodomethane	142	3.179	3.184	-0.006	96	10604	1.00	0.7737	
26 Carbon disulfide	76	3.203	3.203	0.000	99	23517	1.00	0.9713	
28 3-Chloro-1-propene	41	3.343	3.349	-0.006	87	17007	1.00	0.9682	
27 Methyl acetate	43	3.386	3.386	0.000	100	18953	2.00	2.11	
30 Methylene Chloride	84	3.526	3.526	0.000	95	11639	1.00	0.9889	
31 2-Methyl-2-propanol	59	3.636	3.636	0.000	91	8538	10.0	9.42	
32 Methyl tert-butyl ether	73	3.672	3.672	0.000	97	20486	1.00	0.9792	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.001	93	6839	1.00	0.8974	
33 Acrylonitrile	53	3.752	3.751	0.001	96	40558	10.0	10.1	
35 Hexane	57	3.867	3.861	0.006	95	11058	1.00	0.8677	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.081	4.074	0.007	95	15524	1.00	0.99	
37 Vinyl acetate	43	4.111	4.111	0.000	97	49103	2.00	1.93	
44 2,2-Dichloropropane	77	4.538	4.532	0.006	90	8043	1.00	0.9479	
45 cis-1,2-Dichloroethene	96	4.568	4.562	0.006	81	8726	1.00	1.00	
43 2-Butanone (MEK)	43	4.593	4.587	0.006	97	27477	5.00	4.95	
48 Chlorobromomethane	128	4.770	4.769	0.001	95	4626	1.00	0.9247	
49 Tetrahydrofuran	42	4.788	4.782	0.006	92	8798	2.00	2.26	
50 Chloroform	83	4.831	4.830	0.001	95	16008	1.00	1.04	
51 1,1,1-Trichloroethane	97	4.934	4.928	0.006	97	9944	1.00	0.8742	Ma
52 Cyclohexane	56	4.934	4.940	-0.006	94	11368	1.00	0.7434	
55 Carbon tetrachloride	117	5.050	5.044	0.006	97	8768	1.00	0.8551	
54 1,1-Dichloropropene	75	5.056	5.056	0.000	89	9554	1.00	0.9510	
53 Isobutyl alcohol	43	5.215	5.215	0.001	93	11862	25.0	25.0	
57 Benzene	78	5.233	5.233	0.000	96	30530	1.00	1.00	
58 1,2-Dichloroethane	62	5.288	5.288	0.000	94	12988	1.00	1.02	
59 n-Heptane	43	5.349	5.349	0.000	96	16017	1.00	0.9301	
62 Trichloroethene	95	5.727	5.727	0.000	94	8132	1.00	0.9749	
64 Methylcyclohexane	83	5.824	5.824	0.000	94	10038	1.00	0.8629	
65 1,2-Dichloropropane	63	5.928	5.928	0.000	93	9673	1.00	0.99	
66 1,4-Dioxane	88		6.031				ND	ND	MUa
67 Dibromomethane	93	6.044	6.044	0.000	92	5656	1.00	0.99	
68 Dichlorobromomethane	83	6.154	6.153	0.001	94	10269	1.00	0.9311	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	90	5572	1.00	0.8837	
72 cis-1,3-Dichloropropene	75	6.483	6.483	0.000	89	12438	1.00	0.9444	
73 4-Methyl-2-pentanone (MIBK)	43	6.580	6.580	0.000	98	60467	5.00	4.90	
74 Toluene	92	6.714	6.714	0.000	97	20531	1.00	1.00	
77 trans-1,3-Dichloropropene	75	6.922	6.921	0.001	93	11072	1.00	0.8884	
75 Ethyl methacrylate	69	6.928	6.928	0.000	91	9237	1.00	0.8851	
79 1,1,2-Trichloroethane	83	7.080	7.080	0.000	90	6527	1.00	0.9550	
81 Tetrachloroethene	166	7.135	7.135	0.000	94	8396	1.00	0.9420	
82 1,3-Dichloropropane	76	7.208	7.208	0.000	94	12381	1.00	0.9671	
80 2-Hexanone	43	7.233	7.232	0.001	97	43415	5.00	4.94	
83 Chlorodibromomethane	129	7.403	7.403	0.000	90	9140	1.00	0.9278	
84 Ethylene Dibromide	107	7.495	7.495	0.000	96	8751	1.00	0.9601	
87 Chlorobenzene	112	7.854	7.854	0.000	97	24364	1.00	0.9832	
88 Ethylbenzene	91	7.909	7.903	0.006	98	39066	1.00	1.00	
89 1,1,1,2-Tetrachloroethane	131	7.921	7.921	0.000	93	8472	1.00	0.9526	
90 m-Xylene & p-Xylene	106	7.995	7.994	0.001	97	15780	1.00	1.00	
91 o-Xylene	106	8.330	8.330	0.000	98	14517	1.00	0.9588	
92 Styrene	104	8.354	8.354	0.000	95	24693	1.00	0.9652	
95 Bromoform	173	8.568	8.568	0.000	91	5840	1.00	0.8721	
94 Isopropylbenzene	105	8.616	8.616	0.000	96	38876	1.00	0.9861	
101 Bromobenzene	156	8.927	8.927	0.000	96	11004	1.00	0.9718	
97 1,1,2,2-Tetrachloroethane	83	8.933	8.933	0.000	92	11526	1.00	0.9751	
99 N-Propylbenzene	91	8.958	8.958	0.000	99	44952	1.00	0.9578	
98 trans-1,4-Dichloro-2-butene	53	8.970	8.970	0.000	75	3139	1.00	0.8100	
100 1,2,3-Trichloropropane	110	8.976	8.976	0.000	90	2855	1.00	0.9092	
103 2-Chlorotoluene	126	9.068	9.061	0.007	98	10224	1.00	1.01	
102 1,3,5-Trimethylbenzene	105	9.098	9.098	0.000	93	33536	1.00	0.9844	
105 4-Chlorotoluene	126	9.153	9.153	0.000	96	10868	1.00	1.03	
106 tert-Butylbenzene	134	9.372	9.372	0.000	93	6460	1.00	0.9325	
107 1,2,4-Trimethylbenzene	105	9.421	9.421	0.000	96	33669	1.00	0.9670	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.555	9.555	0.000	94	40954	1.00	0.9519	
110 4-Isopropyltoluene	119	9.671	9.665	0.006	97	35909	1.00	0.9437	
111 1,3-Dichlorobenzene	146	9.702	9.701	0.001	98	20888	1.00	0.9798	
113 1,4-Dichlorobenzene	146	9.775	9.775	0.000	95	21661	1.00	1.00	
115 n-Butylbenzene	91	10.019	10.018	0.001	97	31334	1.00	0.9337	
116 1,2-Dichlorobenzene	146	10.104	10.104	0.000	97	19993	1.00	0.9484	
117 1,2-Dibromo-3-Chloropropane	75	10.793	10.793	0.000	76	1676	1.00	0.8426	
119 1,2,4-Trichlorobenzene	180	11.433	11.433	0.000	95	14420	1.00	0.9618	
120 Hexachlorobutadiene	225	11.524	11.524	0.000	95	6579	1.00	0.9485	
121 Naphthalene	128	11.646	11.646	0.000	97	35729	1.00	0.9102	
122 1,2,3-Trichlorobenzene	180	11.835	11.835	0.000	93	13306	1.00	0.9302	
S 124 Xylenes, Total	1				0			1.96	
S 125 1,2-Dichloroethene, Total	1				0			1.90	
S 126 1,3-Dichloropropene, Total	1				0			1.83	
S 123 Total BTEX	1				0			4.96	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

8260 CORP mix_00195	Amount Added:	1.00	Units: uL	
GAS CORP mix_00430	Amount Added:	1.00	Units: uL	
D 8260 IS/SUR_00025	Amount Added:	1.00	Units: uL	Run Reagent

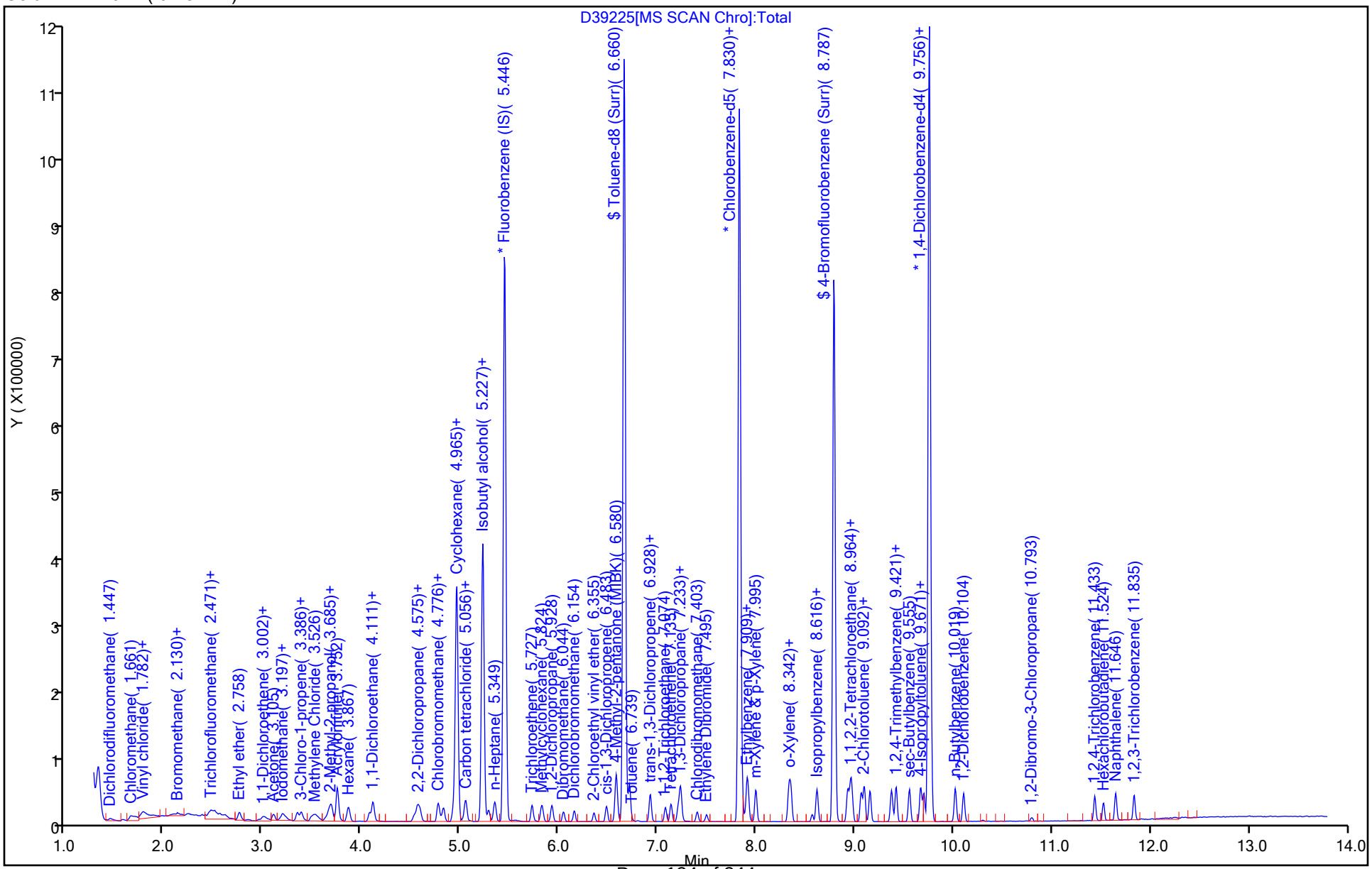
Report Date: 03-Dec-2020 10:43:54 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39225.D

Injection Date:	01-Dec-2020 16:01:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

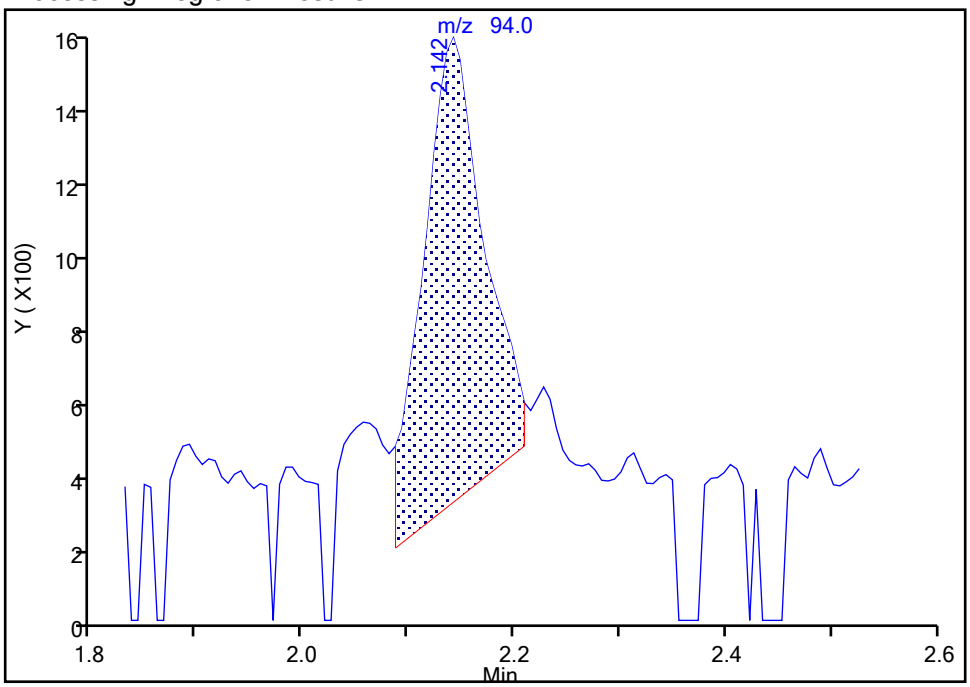
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39225.D
Injection Date: 01-Dec-2020 16:01:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

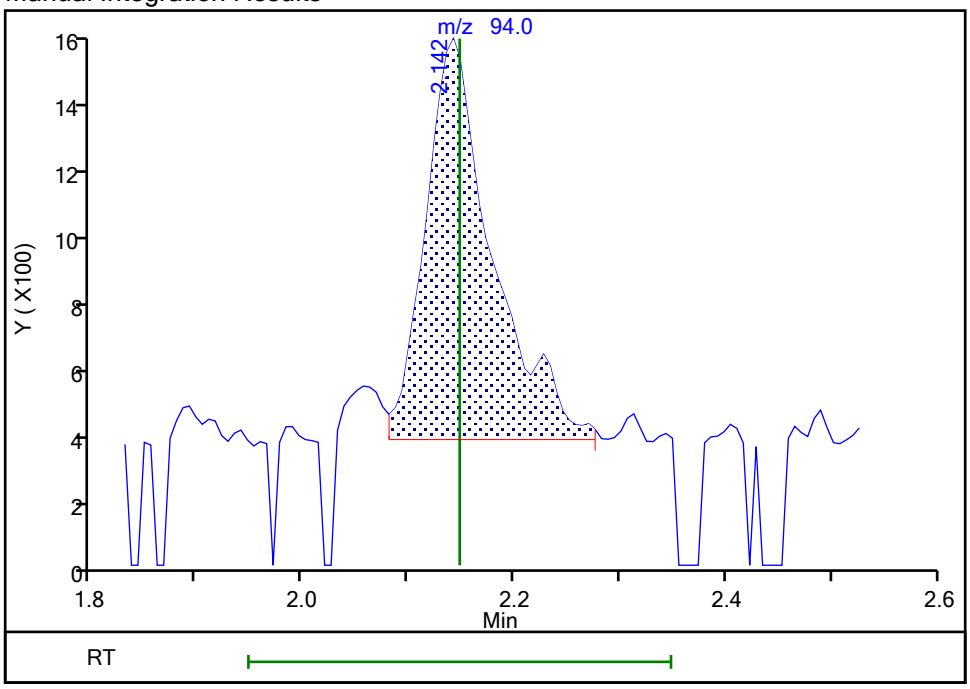
Processing Integration Results

RT: 2.14
Area: 5024
Amount: 0.977965
Amount Units: ug/L



Manual Integration Results

RT: 2.14
Area: 5212
Amount: 0.907795
Amount Units: ug/L



Reviewer: HillL, 03-Dec-2020 10:19:38
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

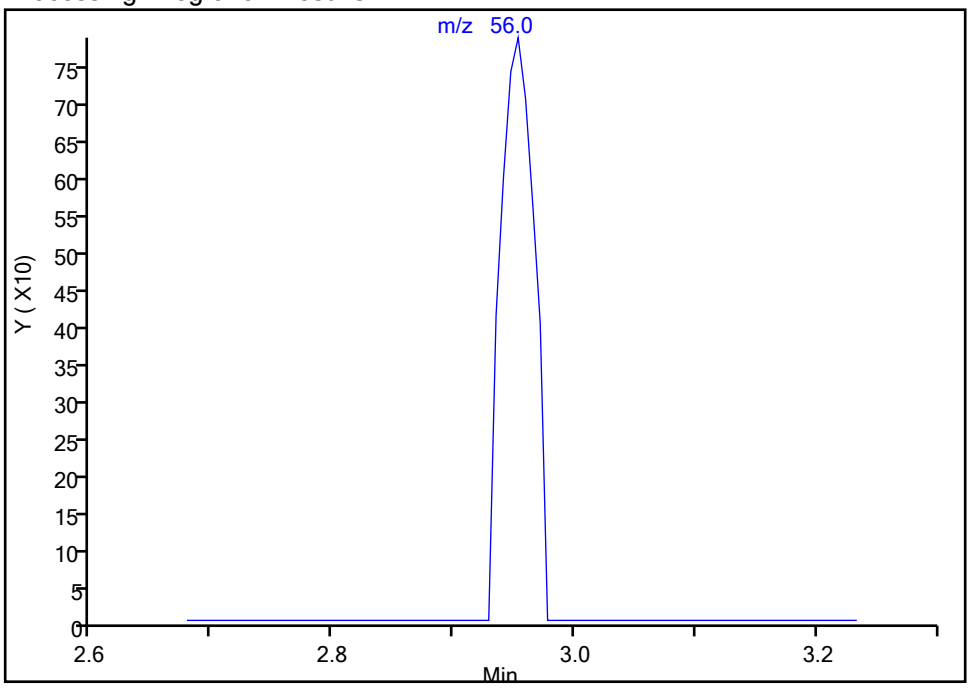
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39225.D
Injection Date: 01-Dec-2020 16:01:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

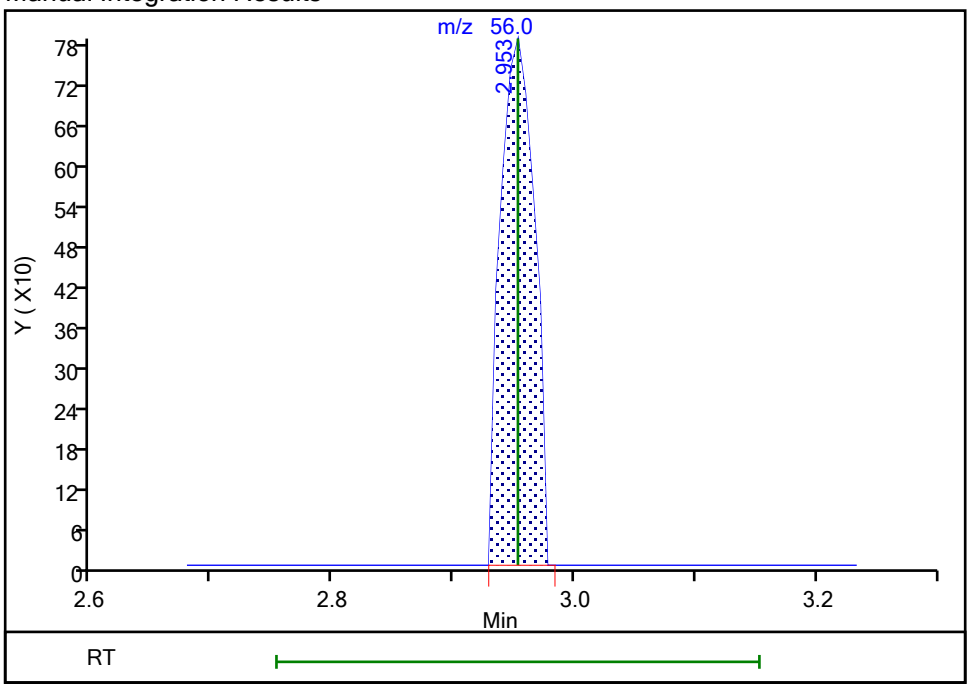
Not Detected
Expected RT: 2.95

Processing Integration Results



Manual Integration Results

RT: 2.95
Area: 1541
Amount: 4.224668
Amount Units: ug/L



Reviewer: dahnw, 01-Dec-2020 16:34:59
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

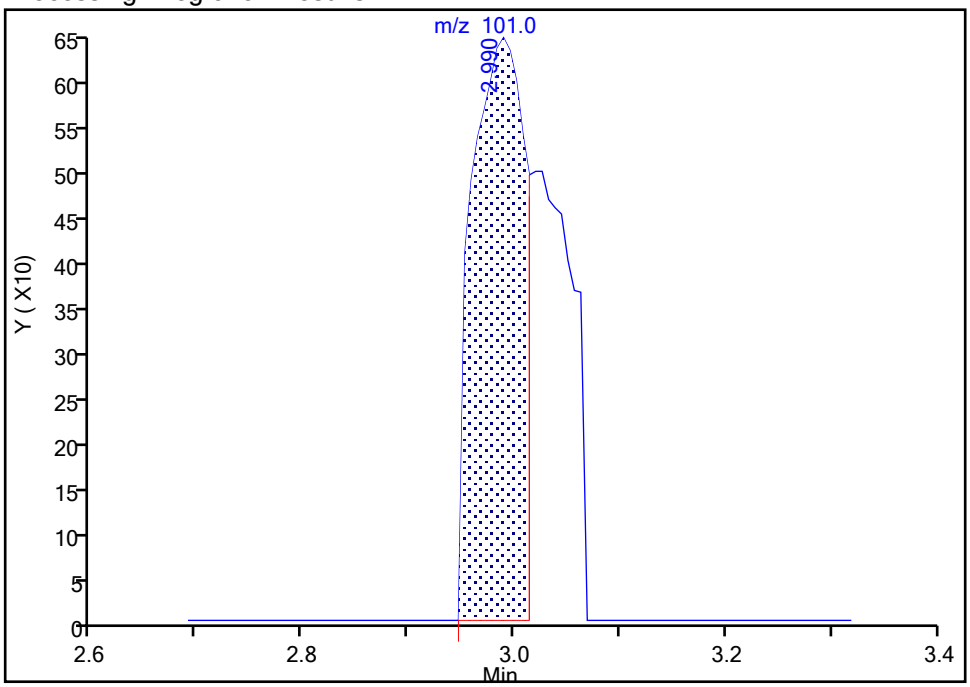
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39225.D
Injection Date: 01-Dec-2020 16:01:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

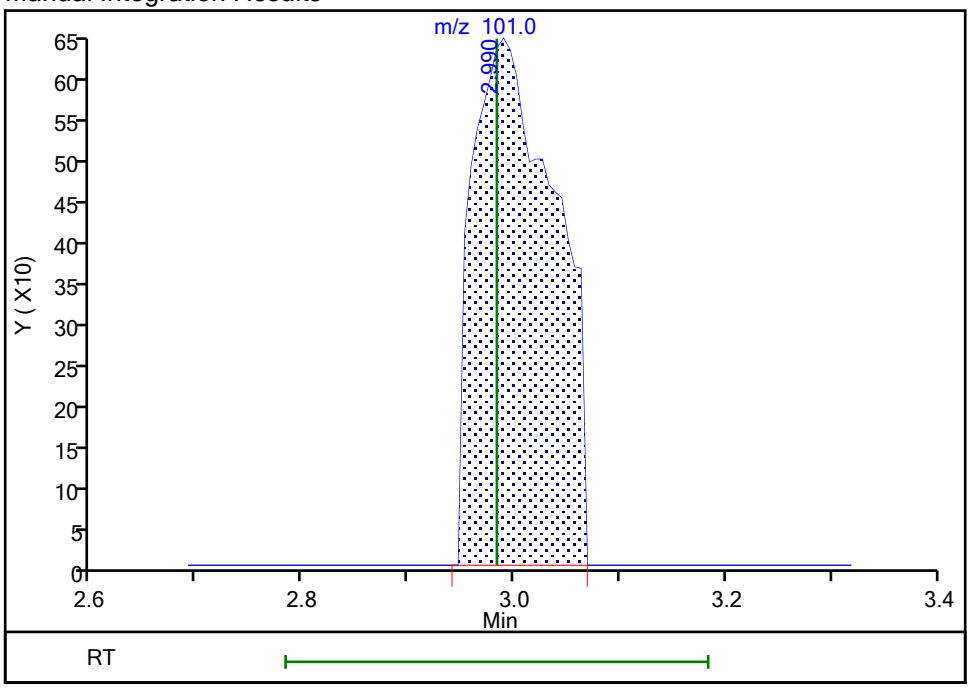
Processing Integration Results

RT: 2.99
Area: 2228
Amount: 1.195368
Amount Units: ug/L



Manual Integration Results

RT: 2.99
Area: 3498
Amount: 1.135991
Amount Units: ug/L



Reviewer: HillL, 03-Dec-2020 10:19:54
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

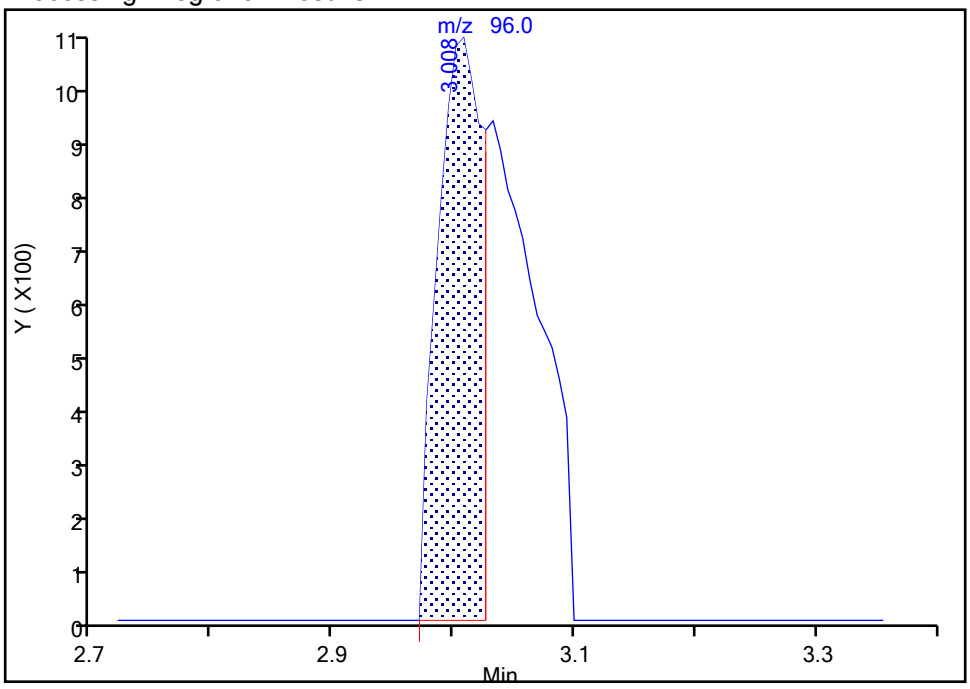
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39225.D
Injection Date: 01-Dec-2020 16:01:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

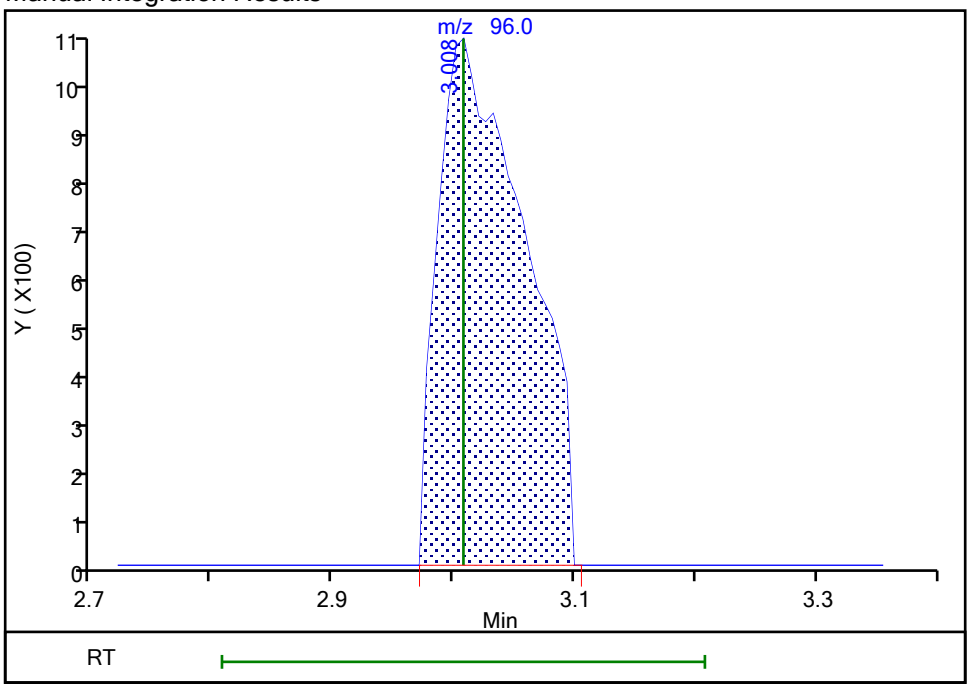
Processing Integration Results

RT: 3.01
Area: 2783
Amount: 1.007907
Amount Units: ug/L



Manual Integration Results

RT: 3.01
Area: 5354
Amount: 0.816210
Amount Units: ug/L



Reviewer: dahnw, 01-Dec-2020 16:33:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

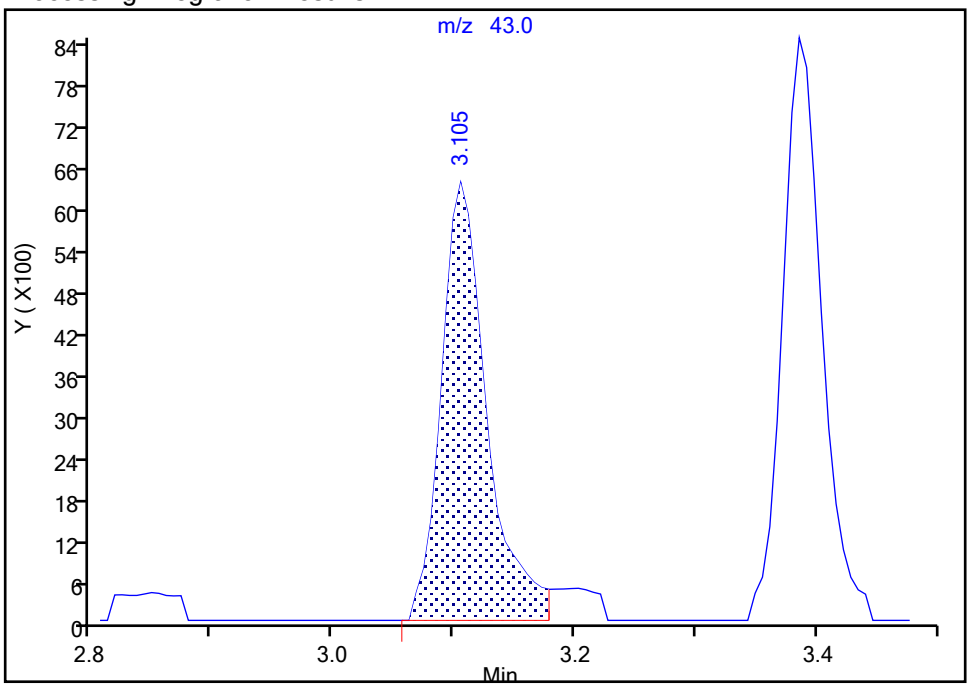
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39225.D
Injection Date: 01-Dec-2020 16:01:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

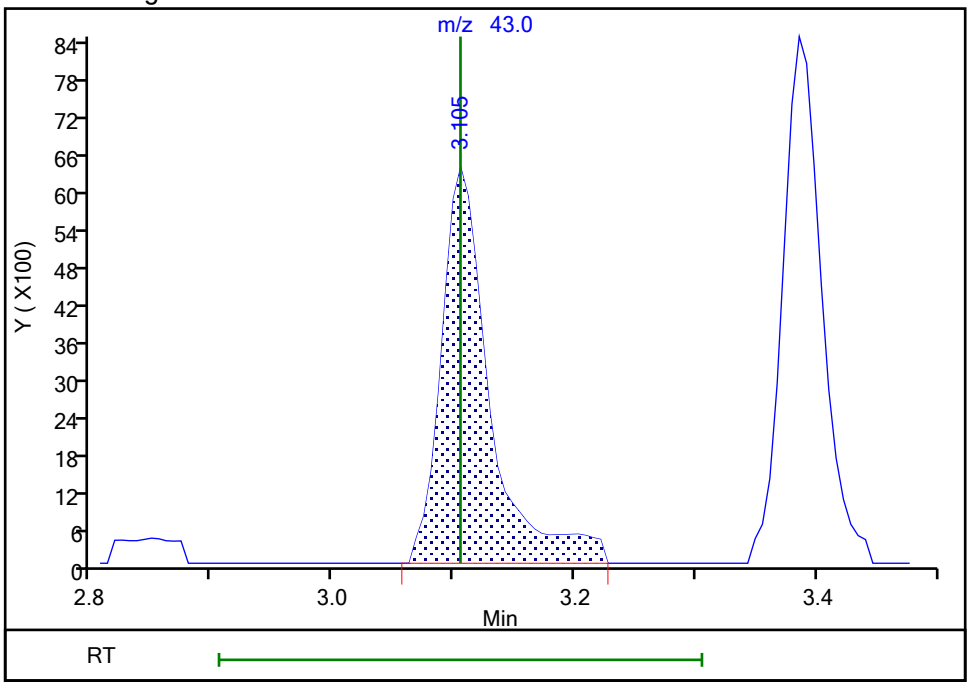
Processing Integration Results

RT: 3.11
Area: 16541
Amount: 4.767176
Amount Units: ug/L



Manual Integration Results

RT: 3.11
Area: 17658
Amount: 5.434337
Amount Units: ug/L



Reviewer: dahnw, 01-Dec-2020 16:33:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

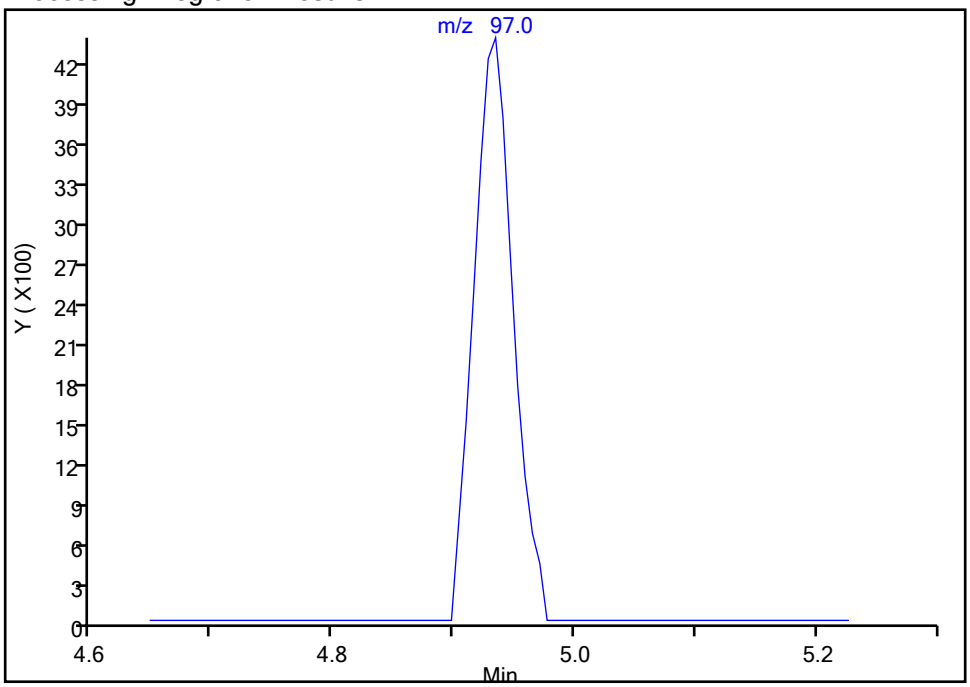
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39225.D
Injection Date: 01-Dec-2020 16:01:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

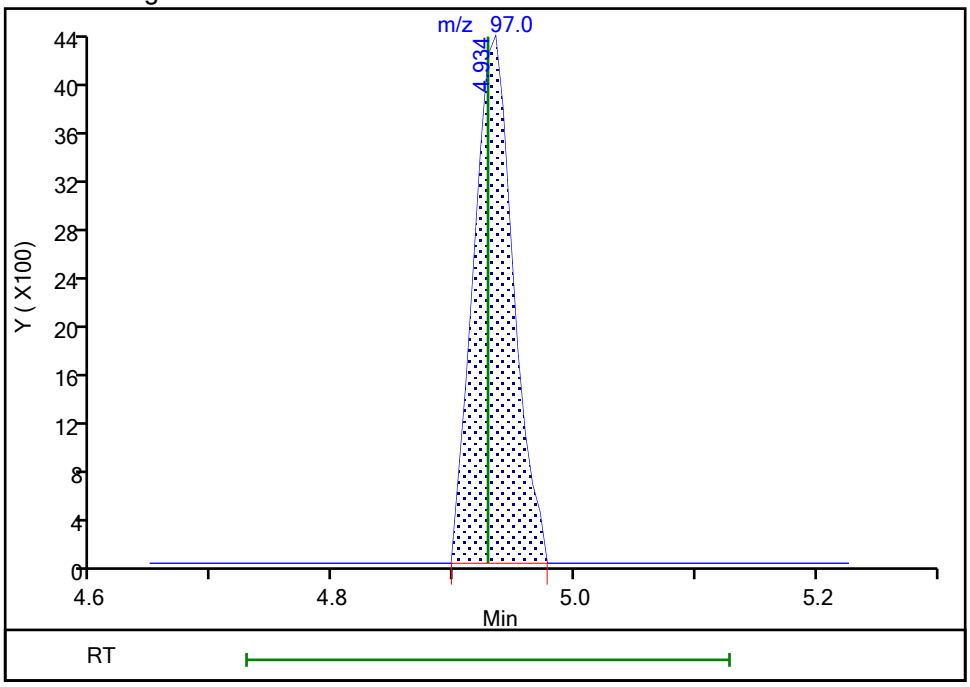
Not Detected
Expected RT: 4.93

Processing Integration Results



Manual Integration Results

RT: 4.93
Area: 9944
Amount: 0.874247
Amount Units: ug/L



Reviewer: dahnw, 01-Dec-2020 16:38:03
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39226.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 01-Dec-2020 16:24:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0095354-005
Operator ID: WD Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Dec-2020 10:43:56 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: dahnw Date: 02-Dec-2020 12:11:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.446	5.446	0.000	98	151583	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.830	7.824	0.006	87	326471	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.756	9.750	0.006	95	356494	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.964	4.965	-0.001	94	221839	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.227	5.227	0.000	97	124740	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.659	6.659	0.000	95	781985	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.793	8.787	0.006	94	268981	25.0	24.9	
10 Dichlorodifluoromethane	85	1.459	1.459	0.000	96	14211	2.00	1.56	M
12 Chloromethane	50	1.660	1.666	-0.006	99	23496	2.00	1.67	
13 Vinyl chloride	62	1.770	1.764	0.006	95	14333	2.00	1.61	
144 Butadiene	54	1.794	1.788	0.006	95	13619	2.00	1.59	
14 Bromomethane	94	2.142	2.148	-0.006	89	10091	2.00	1.70	M
15 Chloroethane	64	2.252	2.246	0.006	88	8079	2.00	1.68	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	88	14716	2.00	1.45	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	94	20316	2.00	1.68	
18 Ethyl ether	59	2.758	2.758	0.000	96	13513	2.00	1.74	
20 Acrolein	56	2.947	2.953	-0.006	93	3077	10.0	8.18	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.983	0.006	87	8651	2.00	1.75	M
22 1,1-Dichloroethene	96	3.014	3.008	0.006	96	10269	2.00	1.52	
23 Acetone	43	3.105	3.105	0.000	98	30487	10.0	9.09	
25 Iodomethane	142	3.184	3.184	0.000	98	21946	2.00	1.55	
26 Carbon disulfide	76	3.203	3.203	0.000	99	40384	2.00	1.62	
28 3-Chloro-1-propene	41	3.349	3.349	0.000	89	29798	2.00	1.64	
27 Methyl acetate	43	3.386	3.386	0.000	100	33606	4.00	3.63	
30 Methylene Chloride	84	3.526	3.526	0.000	93	17902	2.00	1.63	
31 2-Methyl-2-propanol	59	3.635	3.636	-0.001	94	15627	20.0	16.7	
32 Methyl tert-butyl ether	73	3.672	3.672	0.000	99	36795	2.00	1.70	
34 trans-1,2-Dichloroethene	96	3.696	3.697	0.000	93	12268	2.00	1.56	
33 Acrylonitrile	53	3.751	3.751	0.000	98	75991	20.0	18.3	
35 Hexane	57	3.861	3.861	0.000	94	20670	2.00	1.57	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.080	4.074	0.006	96	27039	2.00	1.67	
37 Vinyl acetate	43	4.111	4.111	0.000	97	90874	4.00	3.47	
44 2,2-Dichloropropane	77	4.538	4.532	0.006	91	14524	2.00	1.66	
45 cis-1,2-Dichloroethene	96	4.562	4.562	0.000	82	14804	2.00	1.65	
43 2-Butanone (MEK)	43	4.586	4.587	-0.001	97	50535	10.0	8.82	
48 Chlorobromomethane	128	4.769	4.769	0.000	93	9103	2.00	1.76	
49 Tetrahydrofuran	42	4.788	4.782	0.006	95	15121	4.00	3.77	
50 Chloroform	83	4.830	4.830	0.000	96	26928	2.00	1.70	
51 1,1,1-Trichloroethane	97	4.928	4.928	0.000	98	18604	2.00	1.59	
52 Cyclohexane	56	4.940	4.940	0.000	94	22958	2.00	1.45	
55 Carbon tetrachloride	117	5.050	5.044	0.006	96	15885	2.00	1.50	
54 1,1-Dichloropropene	75	5.056	5.056	0.000	88	17040	2.00	1.64	
53 Isobutyl alcohol	43	5.214	5.215	0.000	92	21739	50.0	44.4	
57 Benzene	78	5.233	5.233	0.000	95	53525	2.00	1.71	
58 1,2-Dichloroethane	62	5.288	5.288	0.000	96	21991	2.00	1.68	
59 n-Heptane	43	5.349	5.349	0.000	97	29957	2.00	1.69	
62 Trichloroethene	95	5.727	5.727	-0.001	95	14650	2.00	1.70	
64 Methylcyclohexane	83	5.824	5.824	0.000	98	19072	2.00	1.59	
65 1,2-Dichloropropane	63	5.928	5.928	0.000	95	17128	2.00	1.70	
66 1,4-Dioxane	88	6.037	6.031	0.006	91	1077	40.0	35.0	Ma
67 Dibromomethane	93	6.044	6.044	0.000	95	9971	2.00	1.70	
68 Dichlorobromomethane	83	6.153	6.153	0.000	96	18915	2.00	1.66	
69 2-Chloroethyl vinyl ether	63	6.354	6.355	-0.001	91	10894	2.00	1.67	
72 cis-1,3-Dichloropropene	75	6.482	6.483	-0.001	89	22566	2.00	1.66	
73 4-Methyl-2-pentanone (MIBK)	43	6.580	6.580	0.000	98	108504	10.0	8.69	
74 Toluene	92	6.714	6.714	0.000	98	35864	2.00	1.73	
77 trans-1,3-Dichloropropene	75	6.921	6.921	0.000	96	21134	2.00	1.68	
75 Ethyl methacrylate	69	6.927	6.928	-0.001	96	17358	2.00	1.64	
79 1,1,2-Trichloroethane	83	7.080	7.080	0.000	90	12596	2.00	1.82	
81 Tetrachloroethene	166	7.135	7.135	0.000	94	15033	2.00	1.67	
82 1,3-Dichloropropane	76	7.208	7.208	0.000	95	22051	2.00	1.70	
80 2-Hexanone	43	7.232	7.232	0.000	98	79420	10.0	8.93	
83 Chlorodibromomethane	129	7.403	7.403	0.000	92	16603	2.00	1.66	
84 Ethylene Dibromide	107	7.494	7.495	-0.001	97	15858	2.00	1.72	
87 Chlorobenzene	112	7.854	7.854	0.000	96	42889	2.00	1.71	
88 Ethylbenzene	91	7.909	7.903	0.006	98	67515	2.00	1.71	
89 1,1,1,2-Tetrachloroethane	131	7.921	7.921	0.000	93	14881	2.00	1.65	
90 m-Xylene & p-Xylene	106	7.994	7.994	0.000	98	26871	2.00	1.68	
91 o-Xylene	106	8.330	8.330	0.000	97	26214	2.00	1.71	
92 Styrene	104	8.354	8.354	0.000	96	43996	2.00	1.70	
95 Bromoform	173	8.567	8.568	-0.001	95	10724	2.00	1.58	
94 Isopropylbenzene	105	8.616	8.616	0.000	96	67736	2.00	1.71	
101 Bromobenzene	156	8.927	8.927	0.000	91	19254	2.00	1.70	
97 1,1,2,2-Tetrachloroethane	83	8.933	8.933	0.000	93	20716	2.00	1.75	
99 N-Propylbenzene	91	8.958	8.958	0.000	99	81451	2.00	1.73	
98 trans-1,4-Dichloro-2-butene	53	8.970	8.970	0.000	74	6183	2.00	1.59	
100 1,2,3-Trichloropropane	110	8.976	8.976	0.000	90	5525	2.00	1.76	
103 2-Chlorotoluene	126	9.061	9.061	0.000	98	17674	2.00	1.75	
102 1,3,5-Trimethylbenzene	105	9.098	9.098	0.000	94	58304	2.00	1.71	
105 4-Chlorotoluene	126	9.153	9.153	0.000	97	18253	2.00	1.72	
106 tert-Butylbenzene	134	9.372	9.372	0.000	94	11806	2.00	1.70	
107 1,2,4-Trimethylbenzene	105	9.421	9.421	0.000	96	60027	2.00	1.72	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.555	9.555	0.000	94	73404	2.00	1.70	
110 4-Isopropyltoluene	119	9.671	9.665	0.006	97	65823	2.00	1.73	
111 1,3-Dichlorobenzene	146	9.701	9.701	0.000	98	37114	2.00	1.74	
113 1,4-Dichlorobenzene	146	9.775	9.775	-0.001	96	37527	2.00	1.72	
115 n-Butylbenzene	91	10.018	10.018	0.000	98	56747	2.00	1.69	
116 1,2-Dichlorobenzene	146	10.104	10.104	0.000	97	36724	2.00	1.74	
117 1,2-Dibromo-3-Chloropropane	75	10.793	10.793	0.000	80	3543	2.00	1.78	
119 1,2,4-Trichlorobenzene	180	11.433	11.433	0.000	96	25423	2.00	1.69	
120 Hexachlorobutadiene	225	11.524	11.524	0.000	97	12122	2.00	1.74	
121 Naphthalene	128	11.646	11.646	0.000	97	67976	2.00	1.73	
122 1,2,3-Trichlorobenzene	180	11.835	11.835	0.000	96	24908	2.00	1.74	
S 124 Xylenes, Total	1				0			3.39	
S 125 1,2-Dichloroethene, Total	1				0			3.21	
S 126 1,3-Dichloropropene, Total	1				0			3.34	
S 123 Total BTEX	1				0			8.53	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00195	Amount Added:	2.00	Units: uL	
GAS CORP mix_00430	Amount Added:	2.00	Units: uL	
D 8260 IS/SUR_00025	Amount Added:	1.00	Units: uL	Run Reagent

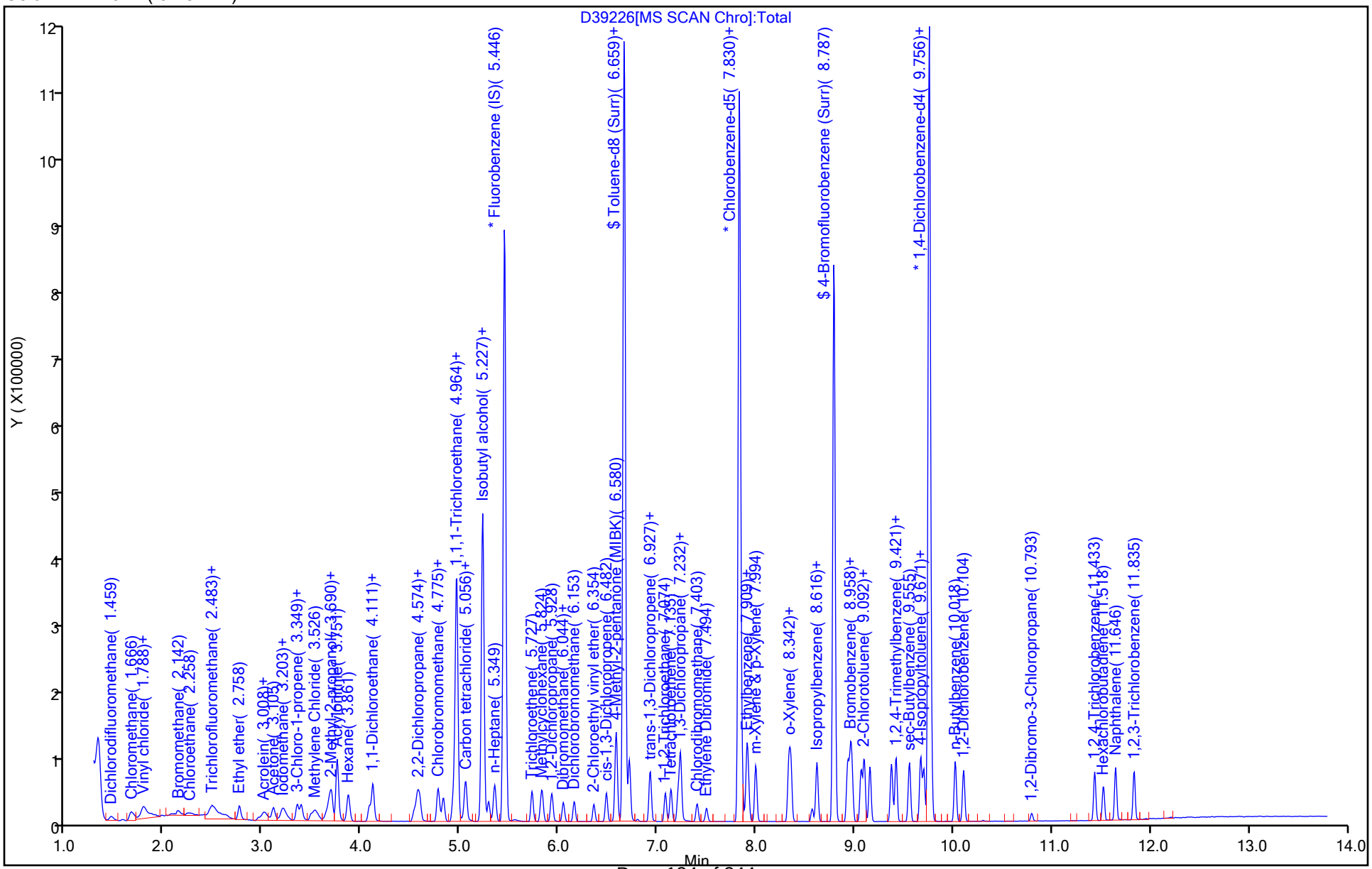
Report Date: 03-Dec-2020 10:43:57 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39226.D

Injection Date:	01-Dec-2020 16:24:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	IC 2			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

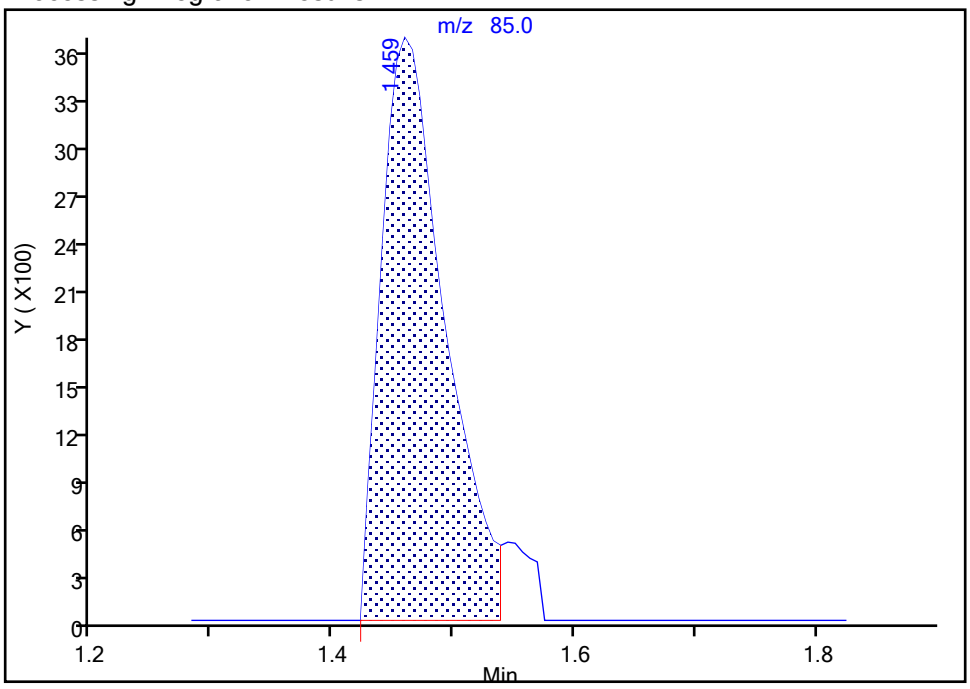
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39226.D
Injection Date: 01-Dec-2020 16:24:30 Instrument ID: HP5975D
Lims ID: IC 2
Client ID:
Operator ID: WD ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

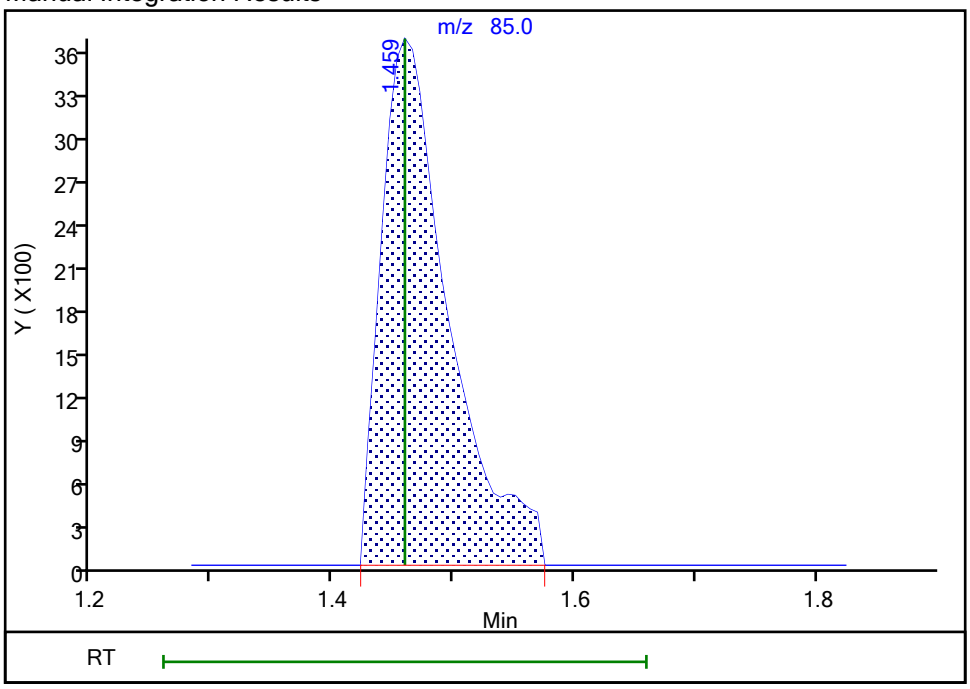
Processing Integration Results

RT: 1.46
Area: 13422
Amount: 1.618900
Amount Units: ug/L



Manual Integration Results

RT: 1.46
Area: 14211
Amount: 1.560864
Amount Units: ug/L



Reviewer: dahnw, 02-Dec-2020 08:26:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

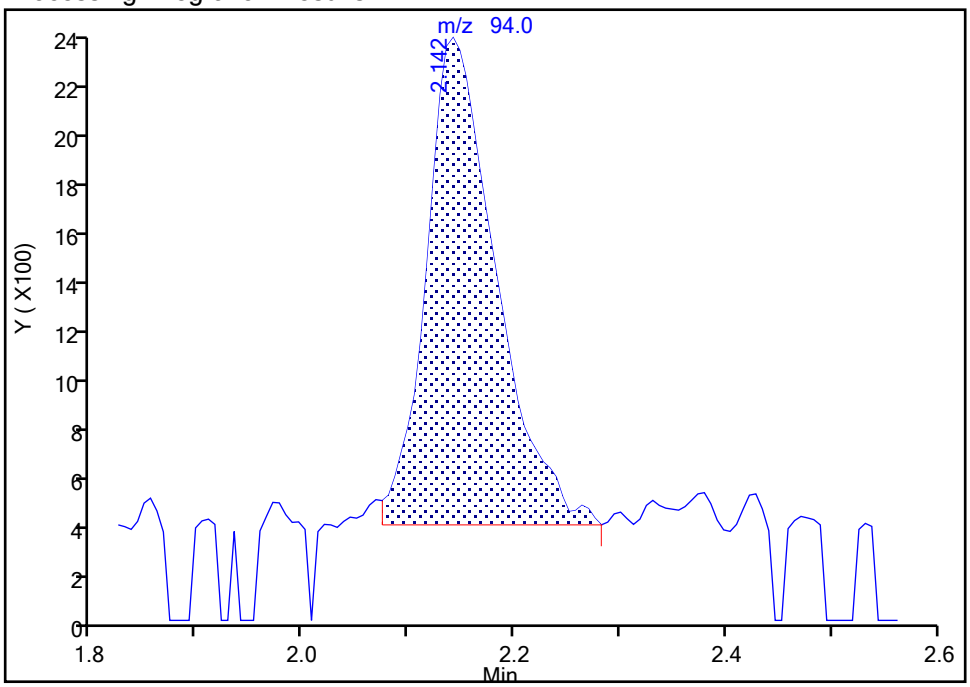
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39226.D
Injection Date: 01-Dec-2020 16:24:30 Instrument ID: HP5975D
Lims ID: IC 2
Client ID:
Operator ID: WD ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

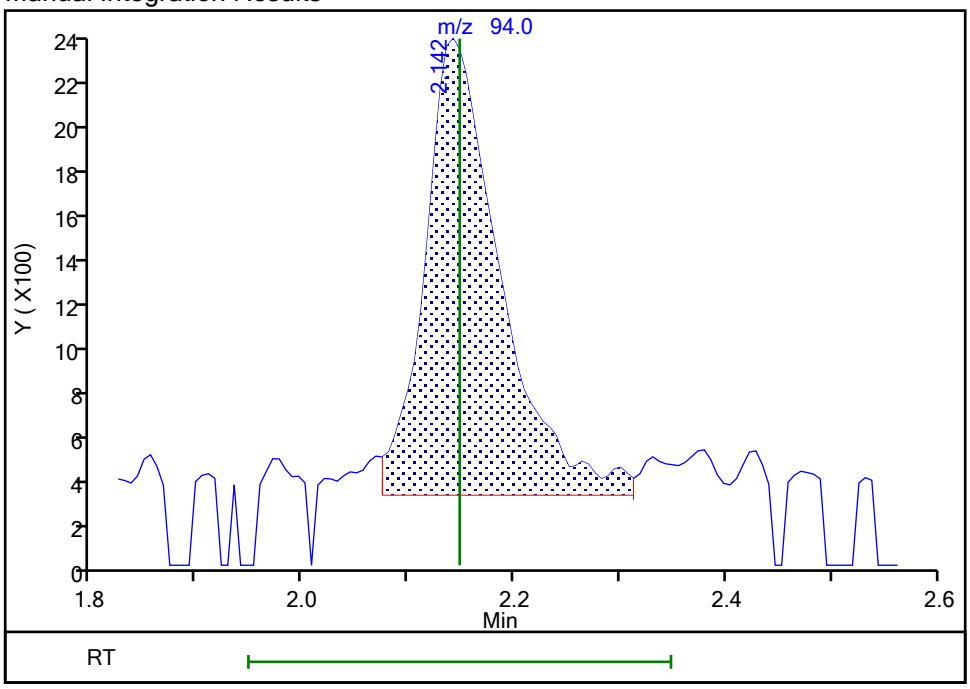
Processing Integration Results

RT: 2.14
Area: 8989
Amount: 1.256224
Amount Units: ug/L



Manual Integration Results

RT: 2.14
Area: 10091
Amount: 1.703326
Amount Units: ug/L



Reviewer: HillL, 03-Dec-2020 10:20:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

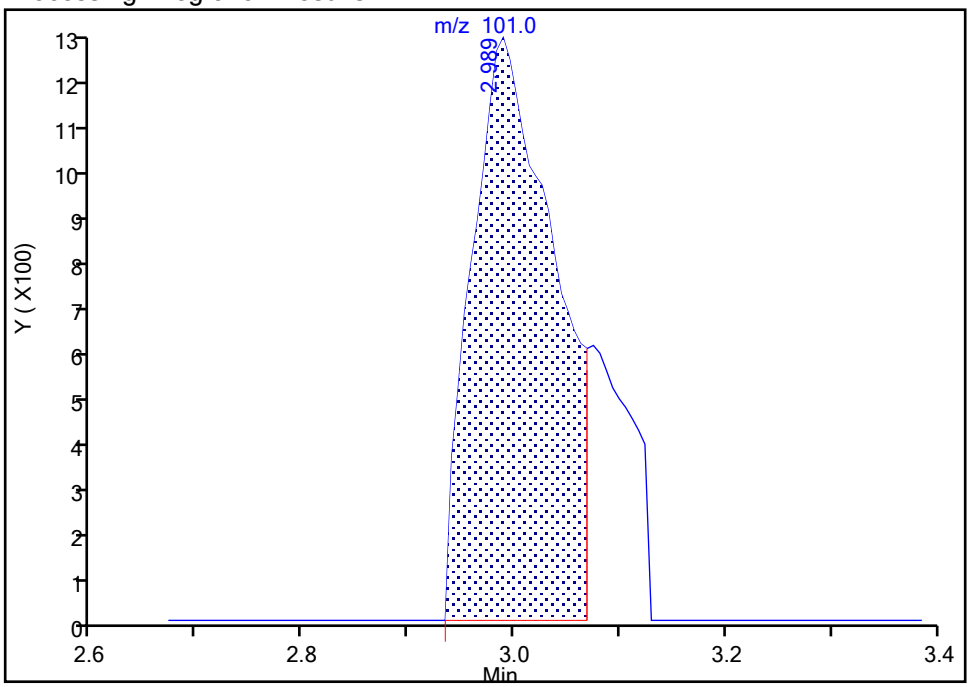
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39226.D
Injection Date: 01-Dec-2020 16:24:30 Instrument ID: HP5975D
Lims ID: IC 2
Client ID:
Operator ID: WD ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

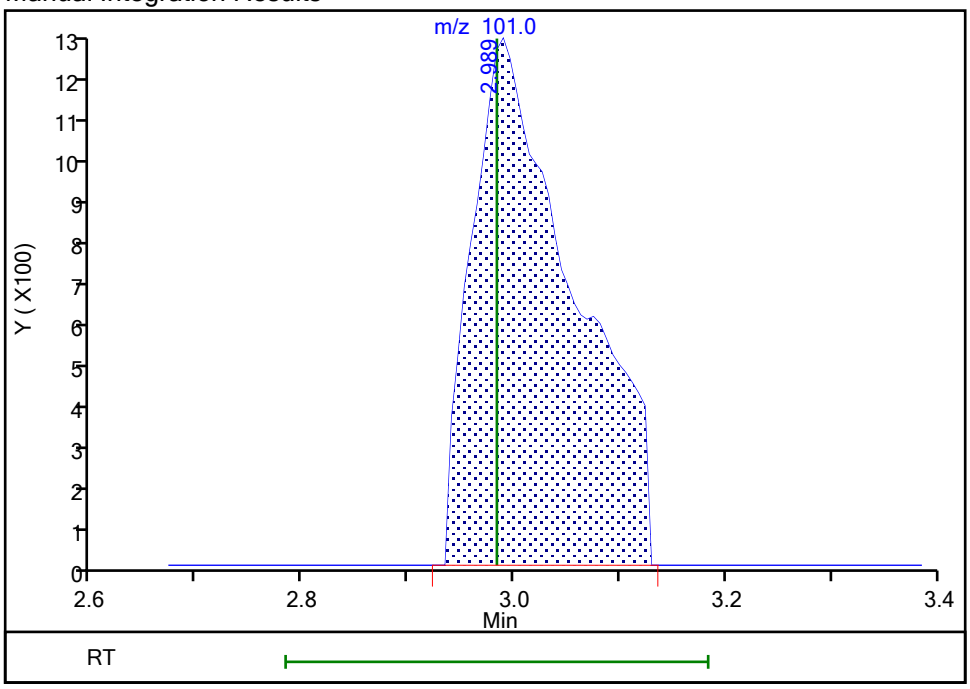
Processing Integration Results

RT: 2.99
Area: 7021
Amount: 1.205941
Amount Units: ug/L



Manual Integration Results

RT: 2.99
Area: 8651
Amount: 1.754898
Amount Units: ug/L



Reviewer: HillL, 03-Dec-2020 10:21:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

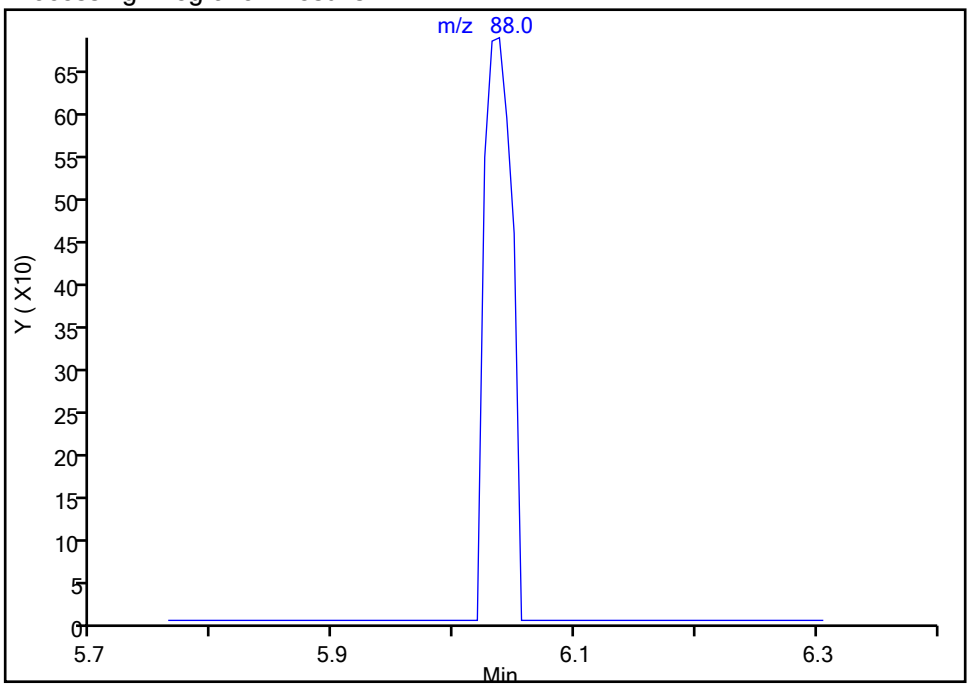
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39226.D
Injection Date: 01-Dec-2020 16:24:30 Instrument ID: HP5975D
Lims ID: IC 2
Client ID:
Operator ID: WD ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

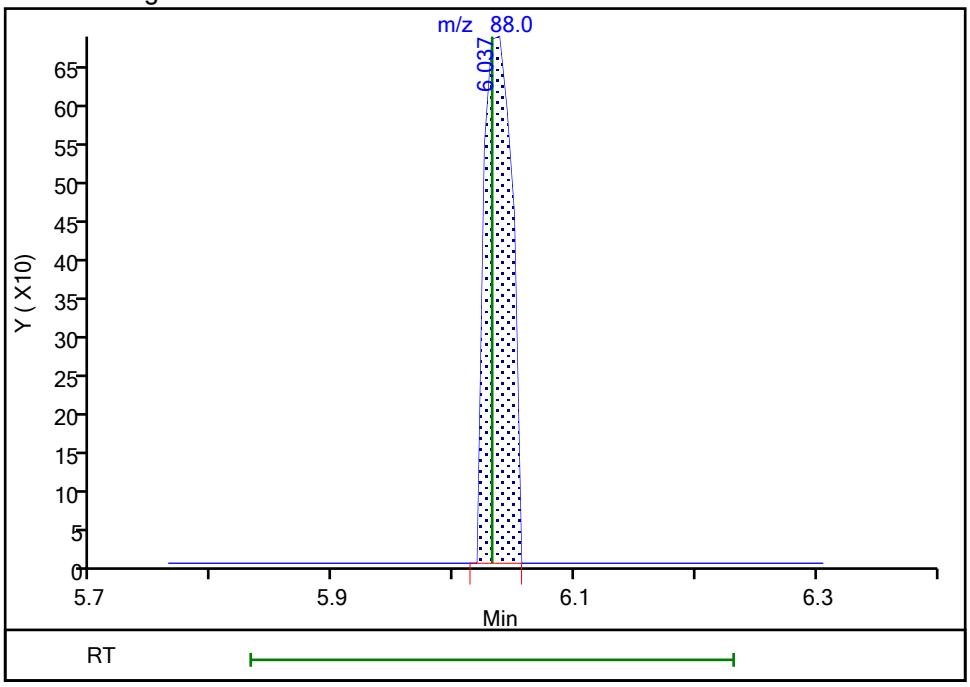
Not Detected
Expected RT: 6.03

Processing Integration Results



Manual Integration Results

RT: 6.04
Area: 1077
Amount: 34.963144
Amount Units: ug/L



Reviewer: dahnw, 02-Dec-2020 08:29:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39227.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 01-Dec-2020 16:48:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0095354-006
Operator ID: WD Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Dec-2020 10:43:59 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: dahnw Date: 02-Dec-2020 08:32:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.446	5.446	0.000	98	144835	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.830	7.830	0.000	87	322395	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.756	9.756	0.000	95	356841	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.965	4.965	0.000	93	221114	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.227	5.227	0.000	97	123960	25.0	25.6	
$ 5 Toluene-d8 (Surr)	98	6.659	6.659	0.000	95	773179	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.787	8.787	0.000	93	266028	25.0	24.9	
10 Dichlorodifluoromethane	85	1.459	1.459	0.000	99	48470	5.00	5.57	
12 Chloromethane	50	1.660	1.660	0.000	99	69600	5.00	5.17	
13 Vinyl chloride	62	1.764	1.764	0.000	97	47584	5.00	5.58	
144 Butadiene	54	1.788	1.788	0.000	95	44128	5.00	5.40	
14 Bromomethane	94	2.142	2.142	0.000	90	32747	5.00	5.79	M
15 Chloroethane	64	2.246	2.246	0.000	95	23550	5.00	5.13	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	97	52285	5.00	5.39	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	96	60422	5.00	5.22	
18 Ethyl ether	59	2.758	2.758	0.000	94	39508	5.00	5.33	
20 Acrolein	56	2.953	2.953	0.000	96	9331	25.0	25.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.983	2.983	0.000	92	38251	5.00	5.61	M
22 1,1-Dichloroethene	96	3.014	3.014	0.000	95	36127	5.00	5.59	
23 Acetone	43	3.105	3.105	0.000	98	84403	25.0	26.3	
25 Iodomethane	142	3.184	3.184	0.000	100	71984	5.00	5.33	
26 Carbon disulfide	76	3.203	3.203	0.000	100	134036	5.00	5.61	
28 3-Chloro-1-propene	41	3.343	3.343	0.000	90	90357	5.00	5.22	
27 Methyl acetate	43	3.386	3.386	0.000	100	93192	10.0	10.5	
30 Methylene Chloride	84	3.520	3.520	0.000	95	47839	5.00	5.13	
31 2-Methyl-2-propanol	59	3.636	3.636	0.000	99	46007	50.0	51.5	
32 Methyl tert-butyl ether	73	3.672	3.672	0.000	99	110570	5.00	5.36	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	94	41546	5.00	5.53	
33 Acrylonitrile	53	3.751	3.751	0.000	97	214974	50.0	54.3	
35 Hexane	57	3.861	3.861	0.000	96	76595	5.00	6.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.081	4.081	0.000	97	84795	5.00	5.49	
37 Vinyl acetate	43	4.111	4.111	0.000	96	260474	10.0	10.4	
44 2,2-Dichloropropane	77	4.532	4.532	0.000	91	47797	5.00	5.71	
45 cis-1,2-Dichloroethene	96	4.562	4.562	0.000	83	47146	5.00	5.50	
43 2-Butanone (MEK)	43	4.587	4.587	0.000	97	146614	25.0	26.8	
48 Chlorobromomethane	128	4.769	4.769	0.000	93	26344	5.00	5.34	
49 Tetrahydrofuran	42	4.782	4.782	0.000	95	40407	10.0	10.5	
50 Chloroform	83	4.830	4.830	0.000	96	79247	5.00	5.24	
51 1,1,1-Trichloroethane	97	4.928	4.928	0.000	98	63240	5.00	5.64	
52 Cyclohexane	56	4.940	4.940	0.000	95	90978	5.00	6.03	
55 Carbon tetrachloride	117	5.050	5.050	0.000	97	54353	5.00	5.38	
54 1,1-Dichloropropene	75	5.056	5.056	0.000	91	56388	5.00	5.69	
53 Isobutyl alcohol	43	5.215	5.215	0.000	95	62156	125.0	133.0	
57 Benzene	78	5.233	5.233	0.000	95	165039	5.00	5.51	
58 1,2-Dichloroethane	62	5.288	5.288	0.000	96	67434	5.00	5.38	
59 n-Heptane	43	5.349	5.349	0.000	97	95255	5.00	5.61	
62 Trichloroethene	95	5.727	5.727	0.000	95	43859	5.00	5.33	
64 Methylcyclohexane	83	5.824	5.824	0.000	98	68926	5.00	6.01	
65 1,2-Dichloropropane	63	5.928	5.928	0.000	94	51687	5.00	5.38	
66 1,4-Dioxane	88	6.031	6.031	0.000	94	4248	100.0	96.6	
67 Dibromomethane	93	6.044	6.044	0.000	95	31130	5.00	5.55	
68 Dichlorobromomethane	83	6.153	6.153	0.000	97	57534	5.00	5.29	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	92	32709	5.00	5.26	
72 cis-1,3-Dichloropropene	75	6.483	6.483	0.000	90	67737	5.00	5.22	
73 4-Methyl-2-pentanone (MIBK)	43	6.580	6.580	0.000	98	323382	25.0	26.2	
74 Toluene	92	6.714	6.714	0.000	98	109289	5.00	5.33	
77 trans-1,3-Dichloropropene	75	6.922	6.922	0.000	98	64375	5.00	5.17	
75 Ethyl methacrylate	69	6.928	6.928	0.000	94	52267	5.00	5.01	
79 1,1,2-Trichloroethane	83	7.080	7.080	0.000	92	36607	5.00	5.36	
81 Tetrachloroethene	166	7.135	7.135	0.000	95	49002	5.00	5.50	
82 1,3-Dichloropropane	76	7.208	7.208	0.000	97	66130	5.00	5.17	
80 2-Hexanone	43	7.232	7.232	0.000	98	230437	25.0	26.2	
83 Chlorodibromomethane	129	7.403	7.403	0.000	91	49509	5.00	5.03	
84 Ethylene Dibromide	107	7.495	7.495	0.000	97	47992	5.00	5.27	
87 Chlorobenzene	112	7.854	7.854	0.000	96	129822	5.00	5.24	
88 Ethylbenzene	91	7.903	7.903	0.000	98	208175	5.00	5.34	
89 1,1,1,2-Tetrachloroethane	131	7.921	7.921	0.000	94	46151	5.00	5.19	
90 m-Xylene & p-Xylene	106	7.994	7.994	0.000	98	83877	5.00	5.32	
91 o-Xylene	106	8.330	8.330	0.000	97	80880	5.00	5.34	
92 Styrene	104	8.354	8.354	0.000	96	136313	5.00	5.33	
95 Bromoform	173	8.568	8.568	0.000	97	32321	5.00	4.83	
94 Isopropylbenzene	105	8.616	8.616	0.000	96	210406	5.00	5.32	
101 Bromobenzene	156	8.927	8.927	0.000	94	59521	5.00	5.24	
97 1,1,2,2-Tetrachloroethane	83	8.933	8.933	0.000	93	60687	5.00	5.12	
99 N-Propylbenzene	91	8.958	8.958	0.000	99	250174	5.00	5.31	
98 trans-1,4-Dichloro-2-butene	53	8.970	8.970	0.000	74	19449	5.00	5.00	
100 1,2,3-Trichloropropane	110	8.976	8.976	0.000	90	16872	5.00	5.35	
103 2-Chlorotoluene	126	9.061	9.061	0.000	98	53702	5.00	5.30	
102 1,3,5-Trimethylbenzene	105	9.098	9.098	0.000	94	181085	5.00	5.30	
105 4-Chlorotoluene	126	9.153	9.153	0.000	97	55603	5.00	5.23	
106 tert-Butylbenzene	134	9.372	9.372	0.000	94	37616	5.00	5.41	
107 1,2,4-Trimethylbenzene	105	9.421	9.421	0.000	96	186348	5.00	5.33	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.555	9.555	0.000	94	232513	5.00	5.39	
110 4-Isopropyltoluene	119	9.671	9.671	0.000	98	207912	5.00	5.45	
111 1,3-Dichlorobenzene	146	9.701	9.701	0.000	98	112595	5.00	5.26	
113 1,4-Dichlorobenzene	146	9.775	9.775	0.000	97	114341	5.00	5.24	
115 n-Butylbenzene	91	10.018	10.018	0.000	98	182476	5.00	5.42	
116 1,2-Dichlorobenzene	146	10.104	10.104	0.000	98	111485	5.00	5.27	
117 1,2-Dibromo-3-Chloropropane	75	10.793	10.793	0.000	86	9591	5.00	4.80	
119 1,2,4-Trichlorobenzene	180	11.433	11.433	0.000	95	78140	5.00	5.19	
120 Hexachlorobutadiene	225	11.524	11.524	0.000	98	38418	5.00	5.52	
121 Naphthalene	128	11.646	11.646	0.000	97	203319	5.00	5.16	
122 1,2,3-Trichlorobenzene	180	11.835	11.835	0.000	97	76288	5.00	5.31	
S 124 Xylenes, Total	1				0			10.7	
S 125 1,2-Dichloroethene, Total	1				0			11.0	
S 126 1,3-Dichloropropene, Total	1				0			10.4	
S 123 Total BTEX	1				0			26.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00195	Amount Added:	5.00	Units: uL	
GAS CORP mix_00430	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00025	Amount Added:	1.00	Units: uL	Run Reagent

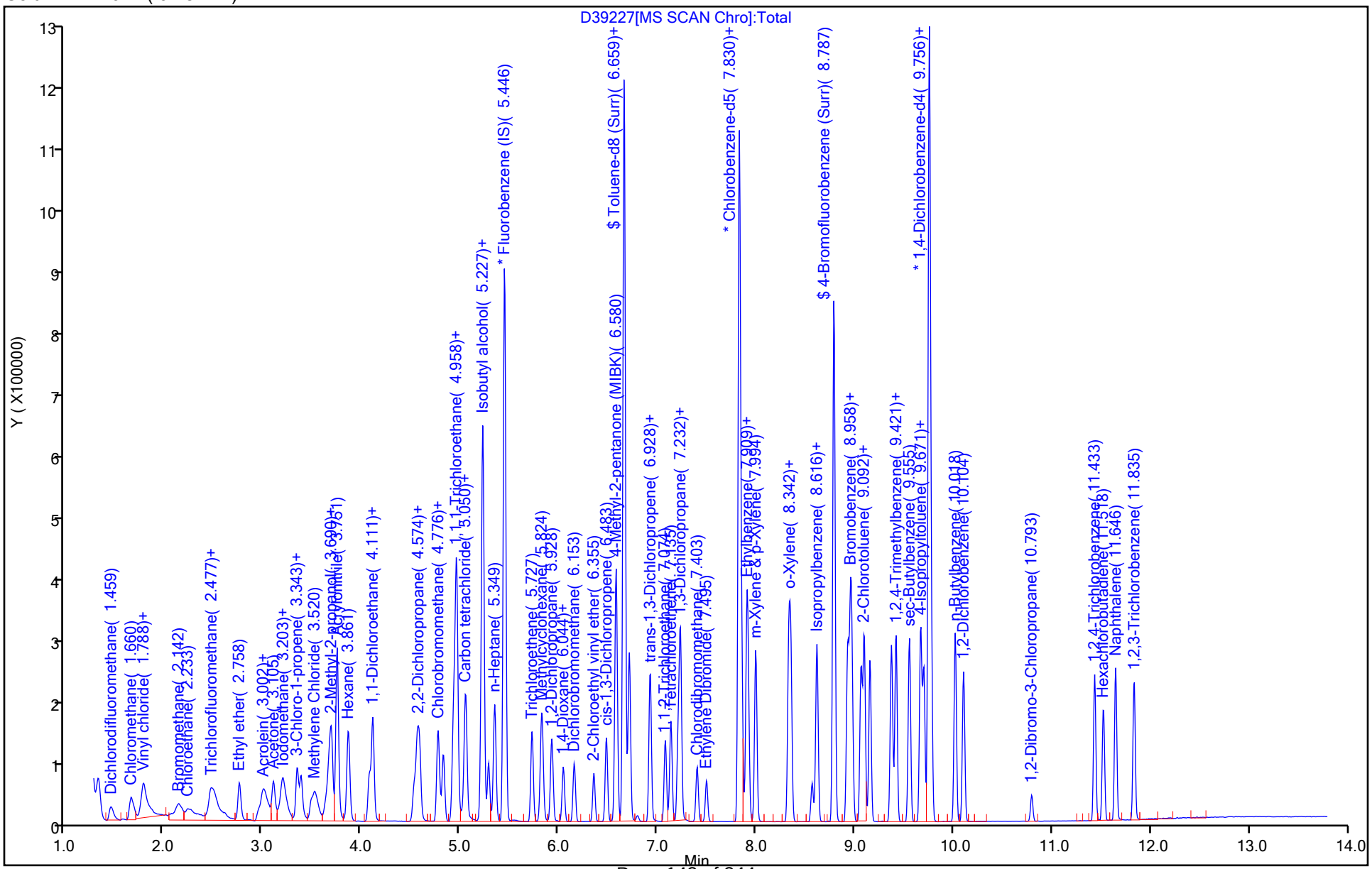
Report Date: 03-Dec-2020 10:44:00 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39227.D

Injection Date:	01-Dec-2020 16:48:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

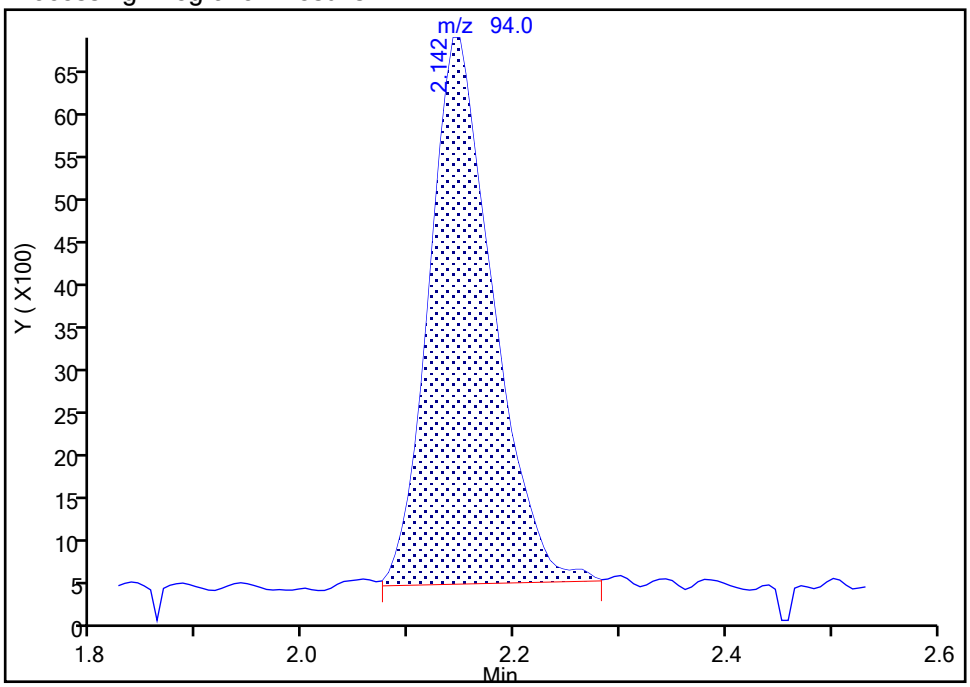
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39227.D
Injection Date: 01-Dec-2020 16:48:30 Instrument ID: HP5975D
Lims ID: IC 3
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

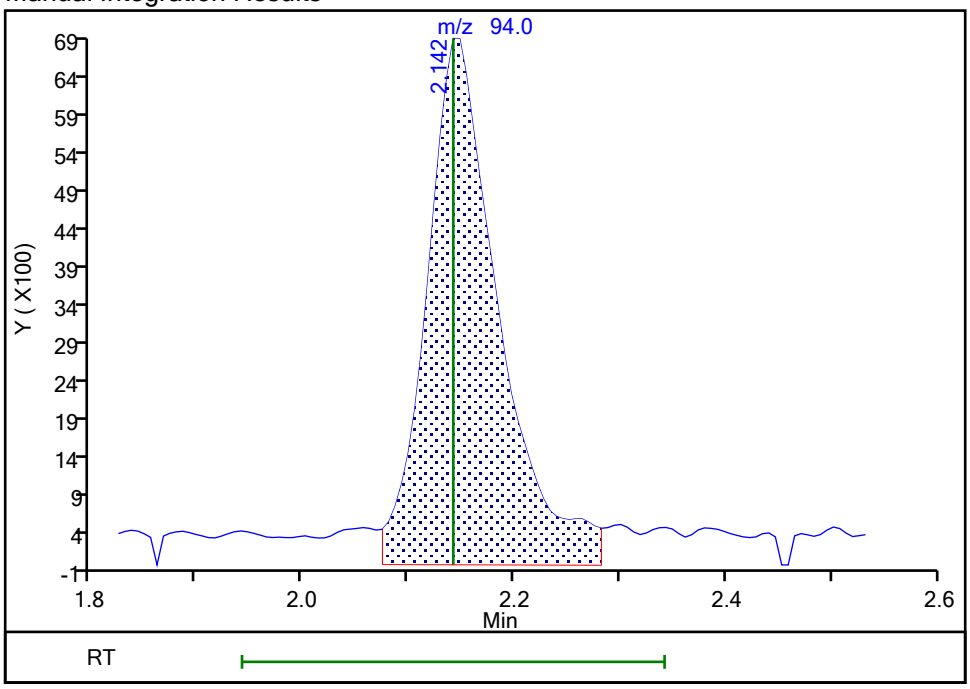
Processing Integration Results

RT: 2.14
Area: 27152
Amount: 3.833564
Amount Units: ug/L



Manual Integration Results

RT: 2.14
Area: 32747
Amount: 5.785117
Amount Units: ug/L



Reviewer: dahnw, 02-Dec-2020 08:31:49
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

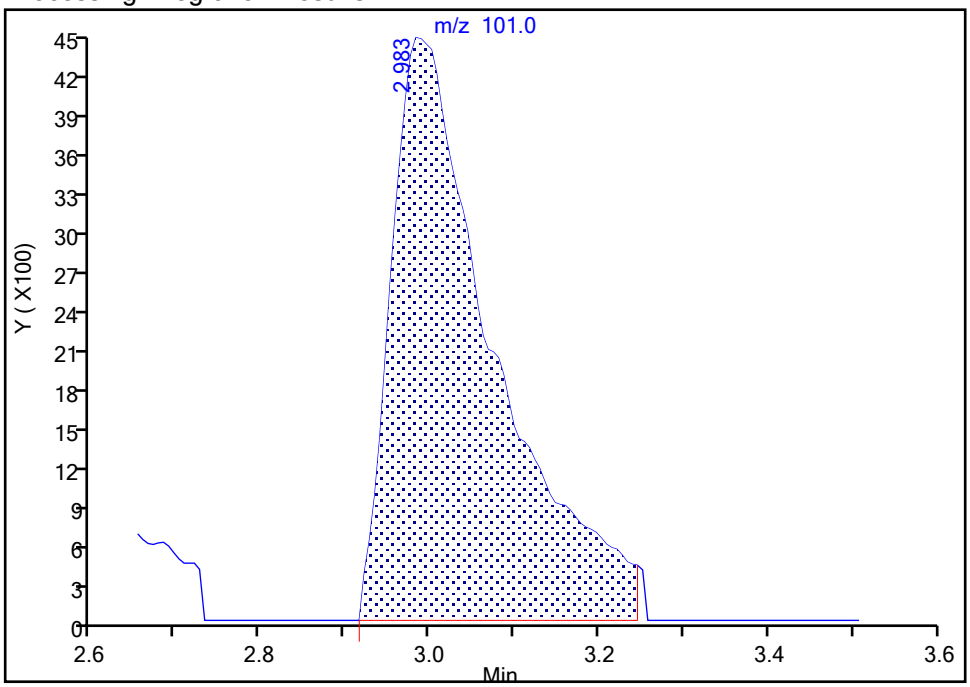
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39227.D
Injection Date: 01-Dec-2020 16:48:30 Instrument ID: HP5975D
Lims ID: IC 3
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

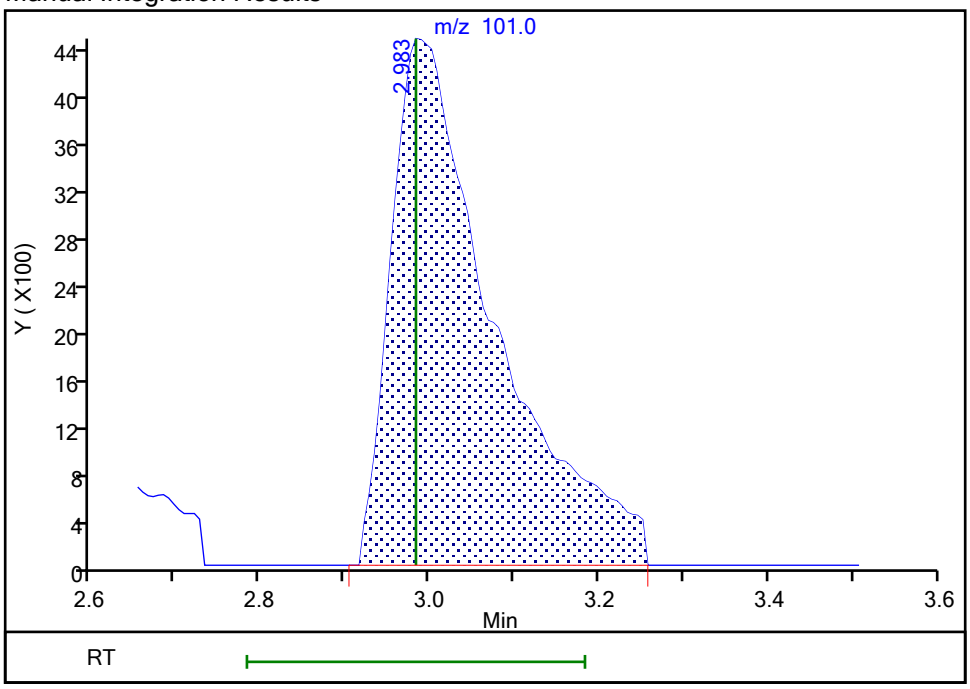
Processing Integration Results

RT: 2.98
Area: 38107
Amount: 6.156614
Amount Units: ug/L



Manual Integration Results

RT: 2.98
Area: 38251
Amount: 5.607404
Amount Units: ug/L



Reviewer: HillL, 03-Dec-2020 10:21:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39228.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 01-Dec-2020 17:11:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0095354-007
Operator ID: WD Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Dec-2020 10:44:03 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: dahnw Date: 02-Dec-2020 08:34:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.446	5.446	0.000	98	147294	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.830	7.830	0.000	87	319094	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.756	9.756	0.000	95	353429	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.965	4.965	0.000	93	222620	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.227	5.227	0.000	95	123719	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.659	6.659	0.000	95	777884	25.0	25.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.787	8.787	0.000	93	263268	25.0	24.9	
10 Dichlorodifluoromethane	85	1.459	1.459	0.000	98	94480	10.0	10.7	
12 Chloromethane	50	1.667	1.660	0.007	99	140139	10.0	10.2	
13 Vinyl chloride	62	1.770	1.764	0.006	98	92024	10.0	10.6	
144 Butadiene	54	1.795	1.788	0.007	95	87164	10.0	10.5	
14 Bromomethane	94	2.148	2.142	0.006	91	57644	10.0	10.0	M
15 Chloroethane	64	2.252	2.246	0.006	96	47496	10.0	10.2	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	98	107965	10.0	11.0	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	97	118872	10.0	10.1	
18 Ethyl ether	59	2.764	2.758	0.006	96	78632	10.0	10.4	
20 Acrolein	56	2.953	2.953	0.000	98	19061	50.0	52.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.983	2.983	0.000	92	72152	10.0	9.81	M
22 1,1-Dichloroethene	96	3.008	3.014	-0.006	94	68454	10.0	10.4	
23 Acetone	43	3.105	3.105	0.000	98	162217	50.0	49.8	
25 Iodomethane	142	3.185	3.184	0.001	99	138153	10.0	10.1	
26 Carbon disulfide	76	3.203	3.203	0.000	100	244176	10.0	10.1	
28 3-Chloro-1-propene	41	3.349	3.343	0.006	89	179762	10.0	10.2	
27 Methyl acetate	43	3.386	3.386	0.000	100	181436	20.0	20.2	
30 Methylene Chloride	84	3.526	3.520	0.006	94	92857	10.0	10.1	
31 2-Methyl-2-propanol	59	3.636	3.636	0.000	99	92664	100.0	102.0	
32 Methyl tert-butyl ether	73	3.672	3.672	0.000	99	218584	10.0	10.4	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	94	79148	10.0	10.4	
33 Acrylonitrile	53	3.752	3.751	0.001	97	413054	100.0	102.5	
35 Hexane	57	3.867	3.861	0.006	96	137383	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.081	4.081	0.000	97	163243	10.0	10.4	
37 Vinyl acetate	43	4.111	4.111	0.000	96	528421	20.0	20.8	
44 2,2-Dichloropropane	77	4.538	4.532	0.006	92	87929	10.0	10.3	
45 cis-1,2-Dichloroethene	96	4.568	4.562	0.006	83	92452	10.0	10.6	
43 2-Butanone (MEK)	43	4.587	4.587	0.000	97	284598	50.0	51.1	
48 Chlorobromomethane	128	4.770	4.769	0.001	93	52735	10.0	10.5	
49 Tetrahydrofuran	42	4.782	4.782	0.000	95	76836	20.0	19.7	
50 Chloroform	83	4.831	4.830	0.001	96	152577	10.0	9.93	
51 1,1,1-Trichloroethane	97	4.934	4.928	0.006	98	118675	10.0	10.4	
52 Cyclohexane	56	4.940	4.940	0.000	95	163540	10.0	10.7	
55 Carbon tetrachloride	117	5.050	5.050	0.000	98	106005	10.0	10.3	
54 1,1-Dichloropropene	75	5.056	5.056	0.000	91	104979	10.0	10.4	
53 Isobutyl alcohol	43	5.215	5.215	0.000	94	118709	250.0	249.7	
57 Benzene	78	5.233	5.233	0.000	95	315006	10.0	10.3	
58 1,2-Dichloroethane	62	5.288	5.288	0.000	95	130773	10.0	10.3	
59 n-Heptane	43	5.349	5.349	0.000	97	180789	10.0	10.5	
62 Trichloroethene	95	5.727	5.727	0.000	96	87367	10.0	10.4	
64 Methylcyclohexane	83	5.824	5.824	0.000	98	126790	10.0	10.9	
65 1,2-Dichloropropane	63	5.928	5.928	0.000	94	100802	10.0	10.3	
66 1,4-Dioxane	88	6.032	6.031	0.001	97	10849	200.0	226.7	M
67 Dibromomethane	93	6.044	6.044	0.000	96	59544	10.0	10.4	
68 Dichlorobromomethane	83	6.153	6.153	0.000	97	117474	10.0	10.6	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	91	64419	10.0	10.2	
72 cis-1,3-Dichloropropene	75	6.483	6.483	0.000	91	139148	10.0	10.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.580	6.580	0.000	98	631613	50.0	51.8	
74 Toluene	92	6.714	6.714	0.000	98	211778	10.0	10.4	
77 trans-1,3-Dichloropropene	75	6.922	6.922	0.000	97	130825	10.0	10.6	
75 Ethyl methacrylate	69	6.928	6.928	0.000	95	107155	10.0	10.4	
79 1,1,2-Trichloroethane	83	7.080	7.080	0.000	92	70275	10.0	10.4	
81 Tetrachloroethene	166	7.135	7.135	0.000	95	93421	10.0	10.6	
82 1,3-Dichloropropane	76	7.208	7.208	0.000	96	132814	10.0	10.5	
80 2-Hexanone	43	7.233	7.232	0.001	99	450428	50.0	51.8	
83 Chlorodibromomethane	129	7.403	7.403	0.000	91	101122	10.0	10.4	
84 Ethylene Dibromide	107	7.495	7.495	0.000	98	93310	10.0	10.3	
87 Chlorobenzene	112	7.854	7.854	0.000	97	252395	10.0	10.3	
88 Ethylbenzene	91	7.903	7.903	0.000	98	395065	10.0	10.2	
89 1,1,1,2-Tetrachloroethane	131	7.921	7.921	0.000	95	92519	10.0	10.5	
90 m-Xylene & p-Xylene	106	7.995	7.994	0.001	98	160220	10.0	10.3	
91 o-Xylene	106	8.330	8.330	0.000	97	156470	10.0	10.4	
92 Styrene	104	8.354	8.354	0.000	96	267411	10.0	10.6	
95 Bromoform	173	8.568	8.568	0.000	97	67207	10.0	10.1	
94 Isopropylbenzene	105	8.616	8.616	0.000	96	400504	10.0	10.2	
101 Bromobenzene	156	8.927	8.927	0.000	93	116630	10.0	10.4	
97 1,1,2,2-Tetrachloroethane	83	8.933	8.933	0.000	93	119680	10.0	10.2	
99 N-Propylbenzene	91	8.958	8.958	0.000	98	480224	10.0	10.3	
98 trans-1,4-Dichloro-2-butene	53	8.970	8.970	0.000	74	39047	10.0	10.1	
100 1,2,3-Trichloropropane	110	8.976	8.976	0.000	89	31407	10.0	10.1	
103 2-Chlorotoluene	126	9.068	9.061	0.007	98	105031	10.0	10.5	
102 1,3,5-Trimethylbenzene	105	9.098	9.098	0.000	94	346316	10.0	10.2	
105 4-Chlorotoluene	126	9.153	9.153	0.000	97	109066	10.0	10.4	
106 tert-Butylbenzene	134	9.372	9.372	0.000	94	69178	10.0	10.0	
107 1,2,4-Trimethylbenzene	105	9.421	9.421	0.000	96	358047	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.555	9.555	0.000	94	438829	10.0	10.3	
110 4-Isopropyltoluene	119	9.671	9.671	0.000	98	393471	10.0	10.4	
111 1,3-Dichlorobenzene	146	9.702	9.701	0.001	98	215095	10.0	10.2	
113 1,4-Dichlorobenzene	146	9.775	9.775	0.000	95	221613	10.0	10.3	
115 n-Butylbenzene	91	10.019	10.018	0.001	98	349723	10.0	10.5	
116 1,2-Dichlorobenzene	146	10.104	10.104	0.000	98	216705	10.0	10.3	
117 1,2-Dibromo-3-Chloropropane	75	10.793	10.793	0.000	85	20124	10.0	10.2	
119 1,2,4-Trichlorobenzene	180	11.433	11.433	0.000	95	152987	10.0	10.3	
120 Hexachlorobutadiene	225	11.524	11.524	0.000	97	74964	10.0	10.9	
121 Naphthalene	128	11.646	11.646	0.000	97	402623	10.0	10.3	
122 1,2,3-Trichlorobenzene	180	11.835	11.835	0.000	96	148151	10.0	10.4	
S 124 Xylenes, Total	1				0			20.7	
S 125 1,2-Dichloroethene, Total	1				0			21.0	
S 126 1,3-Dichloropropene, Total	1				0			21.1	
S 123 Total BTEX	1				0			51.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00195	Amount Added:	5.00	Units: uL	
GAS CORP mix_00430	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00025	Amount Added:	1.00	Units: uL	Run Reagent

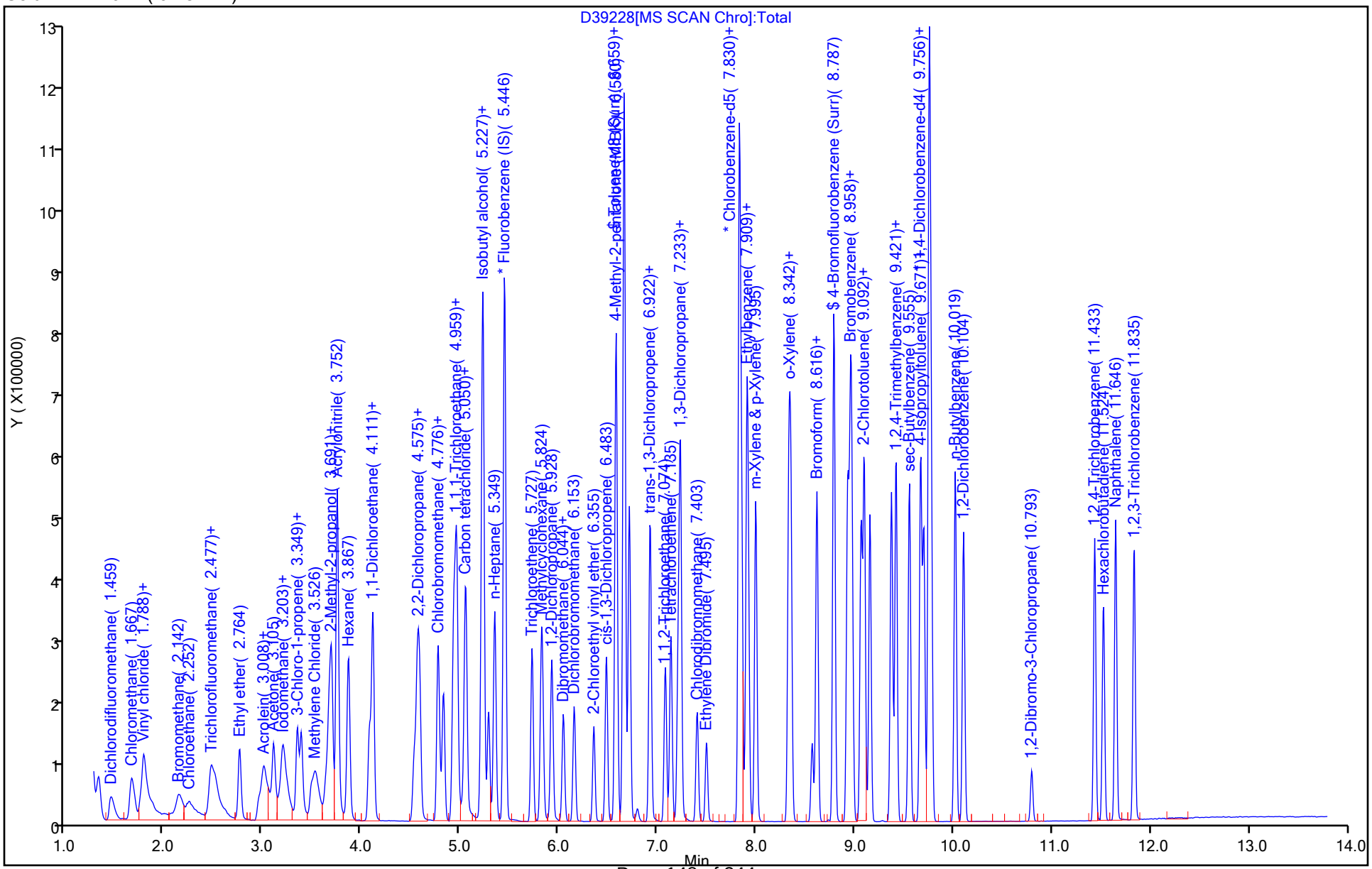
Report Date: 03-Dec-2020 10:44:03 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39228.D

Injection Date:	01-Dec-2020 17:11:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	IC 4			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

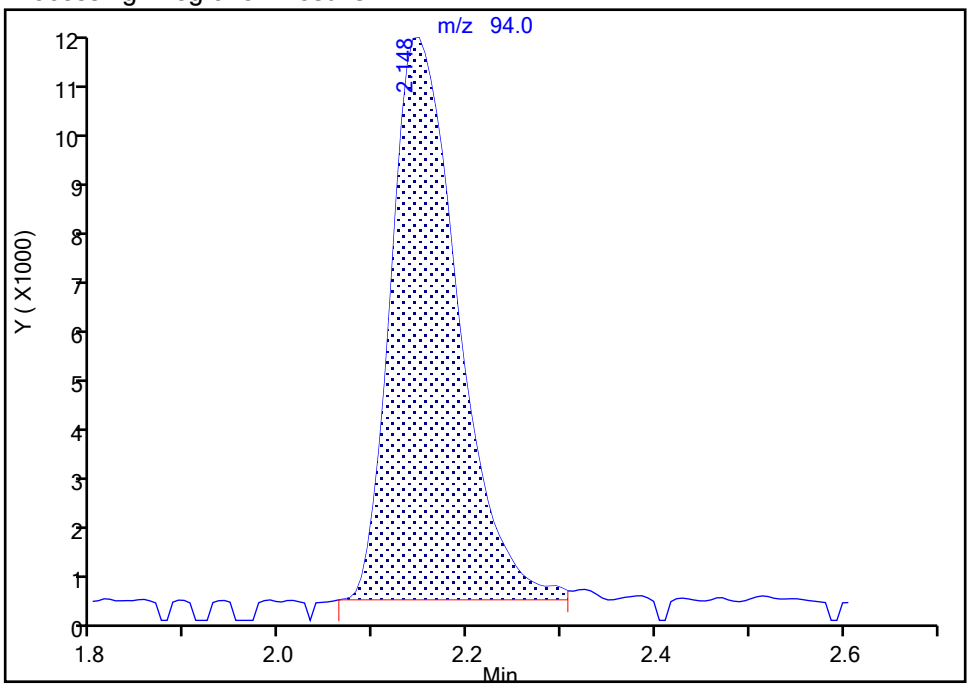
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39228.D
Injection Date: 01-Dec-2020 17:11:30 Instrument ID: HP5975D
Lims ID: IC 4
Client ID:
Operator ID: WD ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

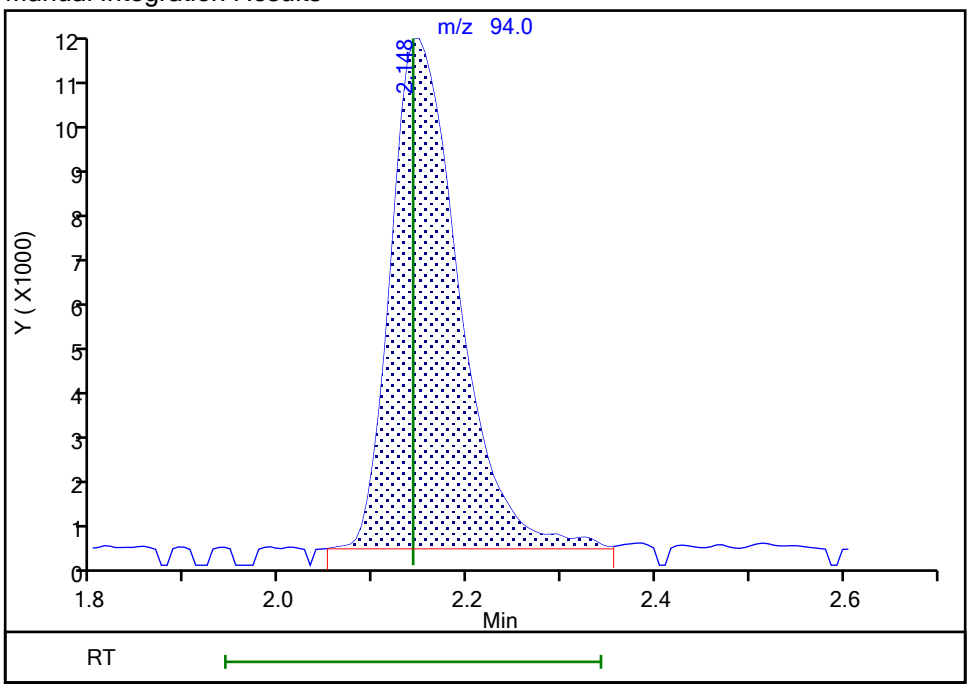
Processing Integration Results

RT: 2.15
Area: 56420
Amount: 9.164669
Amount Units: ug/L



Manual Integration Results

RT: 2.15
Area: 57644
Amount: 10.013437
Amount Units: ug/L



Reviewer: HillL, 03-Dec-2020 10:22:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

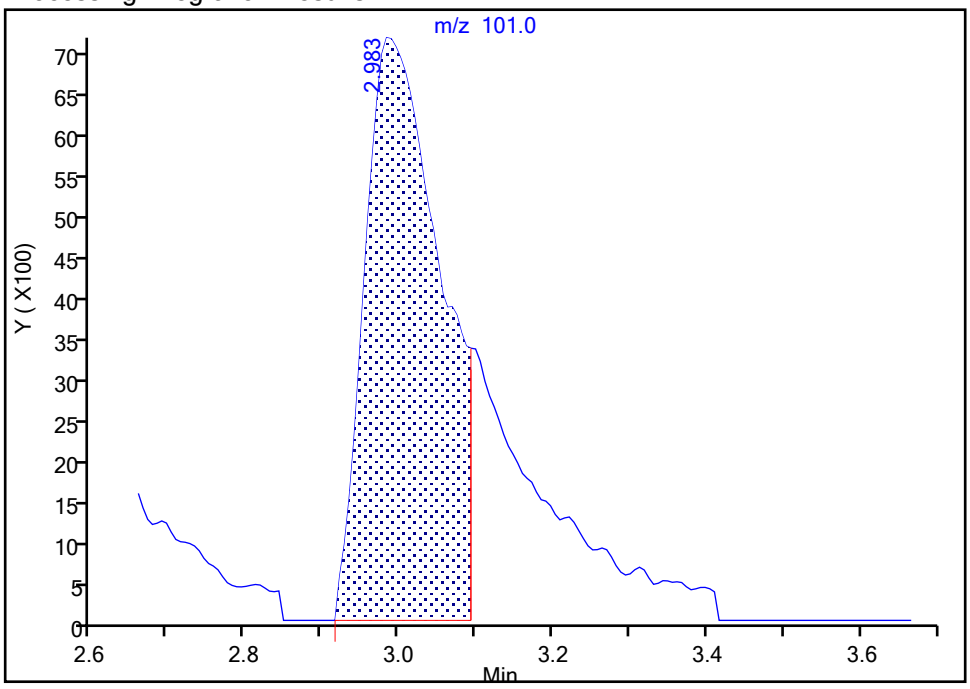
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39228.D
Injection Date: 01-Dec-2020 17:11:30 Instrument ID: HP5975D
Lims ID: IC 4
Client ID:
Operator ID: WD ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

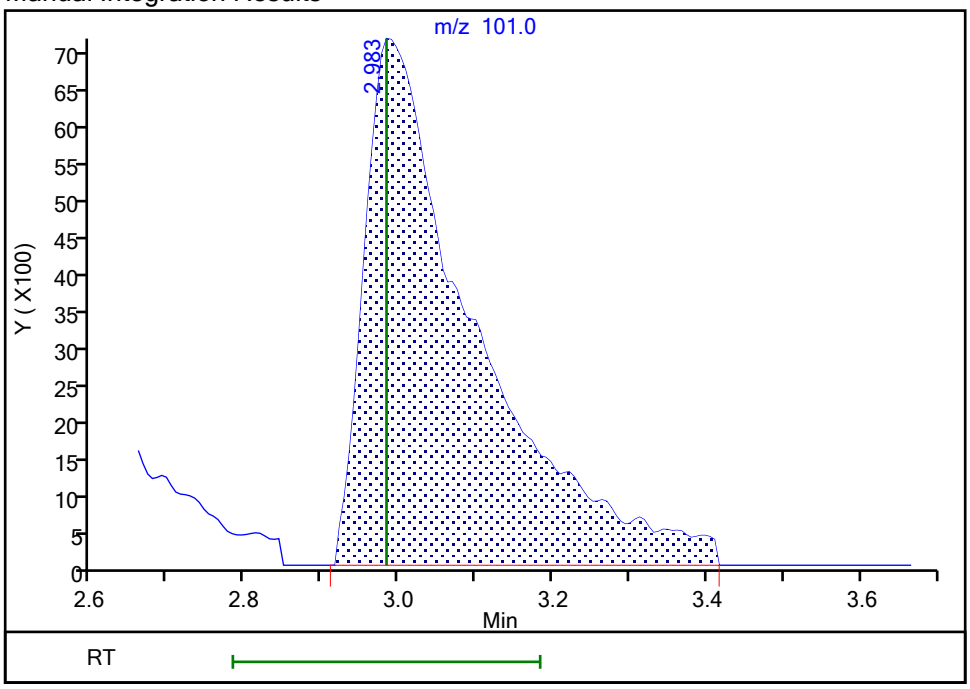
Processing Integration Results

RT: 2.98
Area: 49645
Amount: 8.826716
Amount Units: ug/L



Manual Integration Results

RT: 2.98
Area: 72152
Amount: 9.808265
Amount Units: ug/L



Reviewer: HillL, 03-Dec-2020 10:22:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

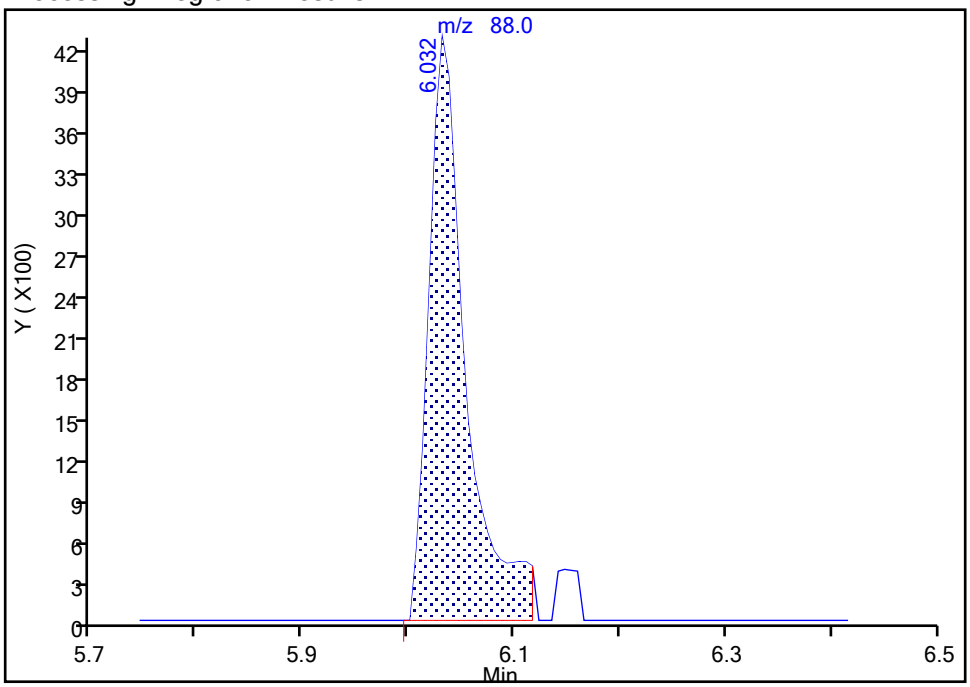
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39228.D
Injection Date: 01-Dec-2020 17:11:30 Instrument ID: HP5975D
Lims ID: IC 4
Client ID:
Operator ID: WD ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

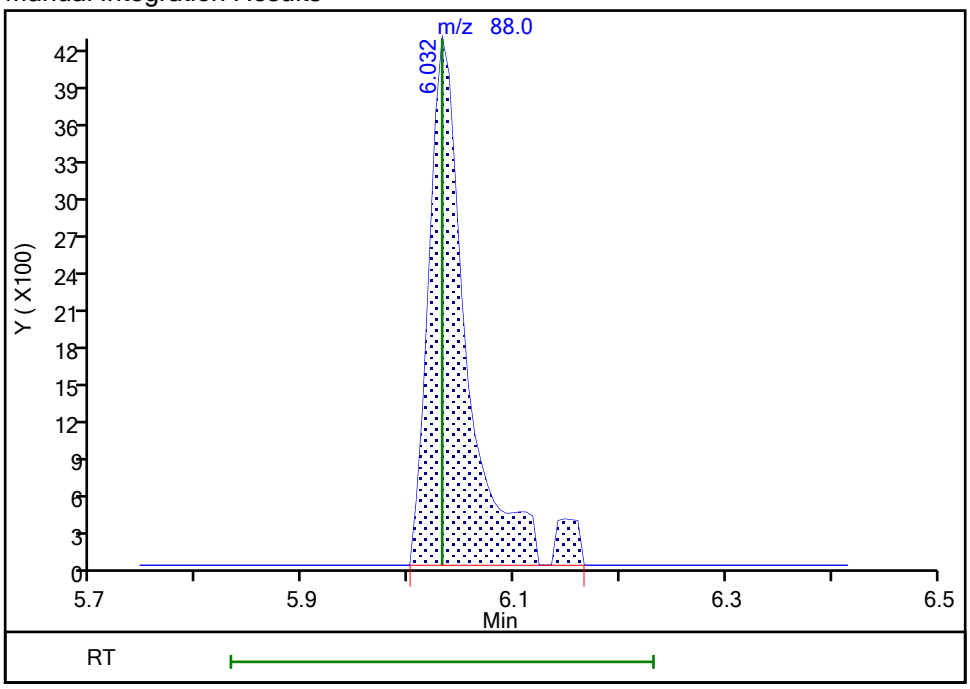
Processing Integration Results

RT: 6.03
Area: 10321
Amount: 217.6014
Amount Units: ug/L



Manual Integration Results

RT: 6.03
Area: 10849
Amount: 226.6611
Amount Units: ug/L



Reviewer: dahnw, 02-Dec-2020 08:34:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39229.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 01-Dec-2020 17:35:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0095354-008
Operator ID: WD Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Dec-2020 10:44:05 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: dahnw Date: 02-Dec-2020 12:15:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.446	5.446	0.000	98	145283	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.830	7.830	0.000	87	316887	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.756	9.756	0.000	94	350998	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.965	4.965	0.000	94	221140	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.227	5.227	0.000	97	121182	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	6.659	6.659	0.000	95	764203	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.787	8.787	0.000	93	262683	25.0	25.0	
10 Dichlorodifluoromethane	85	1.459	1.459	0.000	99	211369	25.0	24.2	
12 Chloromethane	50	1.666	1.666	0.000	99	344971	25.0	25.6	
13 Vinyl chloride	62	1.764	1.764	0.000	98	222434	25.0	26.0	
144 Butadiene	54	1.788	1.788	0.000	96	207878	25.0	25.4	
14 Bromomethane	94	2.148	2.148	0.000	91	142843	25.0	25.2	
15 Chloroethane	64	2.246	2.246	0.000	96	115966	25.0	25.2	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	97	244680	25.0	25.2	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	97	290155	25.0	25.0	
18 Ethyl ether	59	2.758	2.758	0.000	95	195004	25.0	26.2	
20 Acrolein	56	2.953	2.953	0.000	98	46459	125.0	128.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.983	2.983	0.000	94	161468	25.0	21.4	
22 1,1-Dichloroethene	96	3.008	3.008	0.000	94	161885	25.0	25.0	
23 Acetone	43	3.105	3.105	0.000	98	392019	125.0	122.0	
25 Iodomethane	142	3.184	3.184	0.000	99	361166	25.0	26.6	
26 Carbon disulfide	76	3.203	3.203	0.000	100	581575	25.0	24.3	
28 3-Chloro-1-propene	41	3.349	3.349	0.000	89	434883	25.0	25.0	
27 Methyl acetate	43	3.386	3.386	0.000	100	446242	50.0	50.3	
30 Methylene Chloride	84	3.526	3.526	0.000	94	224154	25.0	25.1	
31 2-Methyl-2-propanol	59	3.636	3.636	0.000	96	238369	250.0	265.9	
32 Methyl tert-butyl ether	73	3.672	3.672	0.000	99	549598	25.0	26.6	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	94	192263	25.0	25.5	
33 Acrylonitrile	53	3.751	3.751	0.000	98	1042213	250.0	262.3	
35 Hexane	57	3.861	3.861	0.000	96	295565	25.0	23.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.074	4.074	0.000	96	399020	25.0	25.8	
37 Vinyl acetate	43	4.111	4.111	0.000	96	1330762	50.0	53.0	
44 2,2-Dichloropropane	77	4.532	4.532	0.000	96	211077	25.0	25.2	
45 cis-1,2-Dichloroethene	96	4.562	4.562	0.000	85	221419	25.0	25.8	
43 2-Butanone (MEK)	43	4.587	4.587	0.000	97	711339	125.0	129.5	
48 Chlorobromomethane	128	4.769	4.769	0.000	93	131215	25.0	26.5	
49 Tetrahydrofuran	42	4.782	4.782	0.000	94	190987	50.0	49.6	
50 Chloroform	83	4.830	4.830	0.000	96	370635	25.0	24.4	
51 1,1,1-Trichloroethane	97	4.928	4.928	0.000	99	278964	25.0	24.8	
52 Cyclohexane	56	4.940	4.940	0.000	95	362205	25.0	24.0	
55 Carbon tetrachloride	117	5.044	5.044	0.000	98	252209	25.0	24.9	
54 1,1-Dichloropropene	75	5.056	5.056	0.000	91	243473	25.0	24.5	
53 Isobutyl alcohol	43	5.215	5.215	0.000	94	299580	625.0	638.9	
57 Benzene	78	5.233	5.233	0.000	96	763194	25.0	25.4	
58 1,2-Dichloroethane	62	5.288	5.288	0.000	96	322103	25.0	25.6	
59 n-Heptane	43	5.349	5.349	0.000	97	377819	25.0	22.2	
62 Trichloroethene	95	5.727	5.727	0.000	96	210502	25.0	25.5	
64 Methylcyclohexane	83	5.824	5.824	0.000	98	281510	25.0	24.5	
65 1,2-Dichloropropane	63	5.928	5.928	0.000	94	245316	25.0	25.5	
66 1,4-Dioxane	88	6.031	6.031	0.000	98	24847	500.0	504.0	
67 Dibromomethane	93	6.044	6.044	0.000	95	149782	25.0	26.6	
68 Dichlorobromomethane	83	6.153	6.153	0.000	97	293175	25.0	26.9	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	91	167135	25.0	26.8	
72 cis-1,3-Dichloropropene	75	6.483	6.483	0.000	91	349056	25.0	26.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.580	6.580	0.000	98	1594609	125.0	131.6	
74 Toluene	92	6.714	6.714	0.000	98	505224	25.0	25.1	
77 trans-1,3-Dichloropropene	75	6.921	6.921	0.000	96	329776	25.0	26.9	
75 Ethyl methacrylate	69	6.928	6.928	0.000	95	276285	25.0	26.9	
79 1,1,2-Trichloroethane	83	7.080	7.080	0.000	91	176170	25.0	26.2	
81 Tetrachloroethene	166	7.135	7.135	0.000	95	216969	25.0	24.8	
82 1,3-Dichloropropane	76	7.208	7.208	0.000	99	332305	25.0	26.4	
80 2-Hexanone	43	7.232	7.232	0.000	99	1135413	125.0	131.5	
83 Chlorodibromomethane	129	7.403	7.403	0.000	91	263545	25.0	27.2	
84 Ethylene Dibromide	107	7.495	7.495	0.000	98	235808	25.0	26.3	
87 Chlorobenzene	112	7.854	7.854	0.000	96	621897	25.0	25.5	
88 Ethylbenzene	91	7.903	7.903	0.000	98	961247	25.0	25.1	
89 1,1,1,2-Tetrachloroethane	131	7.921	7.921	0.000	96	232129	25.0	26.6	
90 m-Xylene & p-Xylene	106	7.994	7.994	0.000	99	385377	25.0	24.8	
91 o-Xylene	106	8.330	8.330	0.000	98	379192	25.0	25.5	
92 Styrene	104	8.354	8.354	0.000	96	663435	25.0	26.4	
95 Bromoform	173	8.568	8.568	0.000	98	175008	25.0	26.6	
94 Isopropylbenzene	105	8.616	8.616	0.000	96	958509	25.0	24.6	
101 Bromobenzene	156	8.927	8.927	0.000	94	286248	25.0	25.6	
97 1,1,2,2-Tetrachloroethane	83	8.933	8.933	0.000	95	298937	25.0	25.6	
99 N-Propylbenzene	91	8.958	8.958	0.000	99	1153182	25.0	24.9	
98 trans-1,4-Dichloro-2-butene	53	8.970	8.970	0.000	79	103235	25.0	27.0	
100 1,2,3-Trichloropropane	110	8.976	8.976	0.000	89	79612	25.0	25.7	
103 2-Chlorotoluene	126	9.061	9.061	0.000	97	251298	25.0	25.2	
102 1,3,5-Trimethylbenzene	105	9.098	9.098	0.000	94	842777	25.0	25.1	
105 4-Chlorotoluene	126	9.153	9.153	0.000	97	267395	25.0	25.6	
106 tert-Butylbenzene	134	9.372	9.372	0.000	94	167629	25.0	24.5	
107 1,2,4-Trimethylbenzene	105	9.421	9.421	0.000	97	873483	25.0	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.555	9.555	0.000	94	1052569	25.0	24.8	
110 4-Isopropyltoluene	119	9.665	9.665	0.000	98	937279	25.0	25.0	
111 1,3-Dichlorobenzene	146	9.701	9.701	0.000	98	526231	25.0	25.0	
113 1,4-Dichlorobenzene	146	9.775	9.775	0.000	95	546728	25.0	25.5	
115 n-Butylbenzene	91	10.018	10.018	0.000	98	834417	25.0	25.2	
116 1,2-Dichlorobenzene	146	10.104	10.104	0.000	98	535868	25.0	25.8	
117 1,2-Dibromo-3-Chloropropane	75	10.793	10.793	0.000	87	51285	25.0	26.1	
119 1,2,4-Trichlorobenzene	180	11.433	11.433	0.000	95	393892	25.0	26.6	
120 Hexachlorobutadiene	225	11.524	11.524	0.000	98	180476	25.0	26.4	
121 Naphthalene	128	11.646	11.646	0.000	97	1038960	25.0	26.8	
122 1,2,3-Trichlorobenzene	180	11.835	11.835	0.000	96	373712	25.0	26.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added: 12.50	Units: uL	
GAS CORP mix_00430	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00025	Amount Added: 1.00	Units: uL	Run Reagent

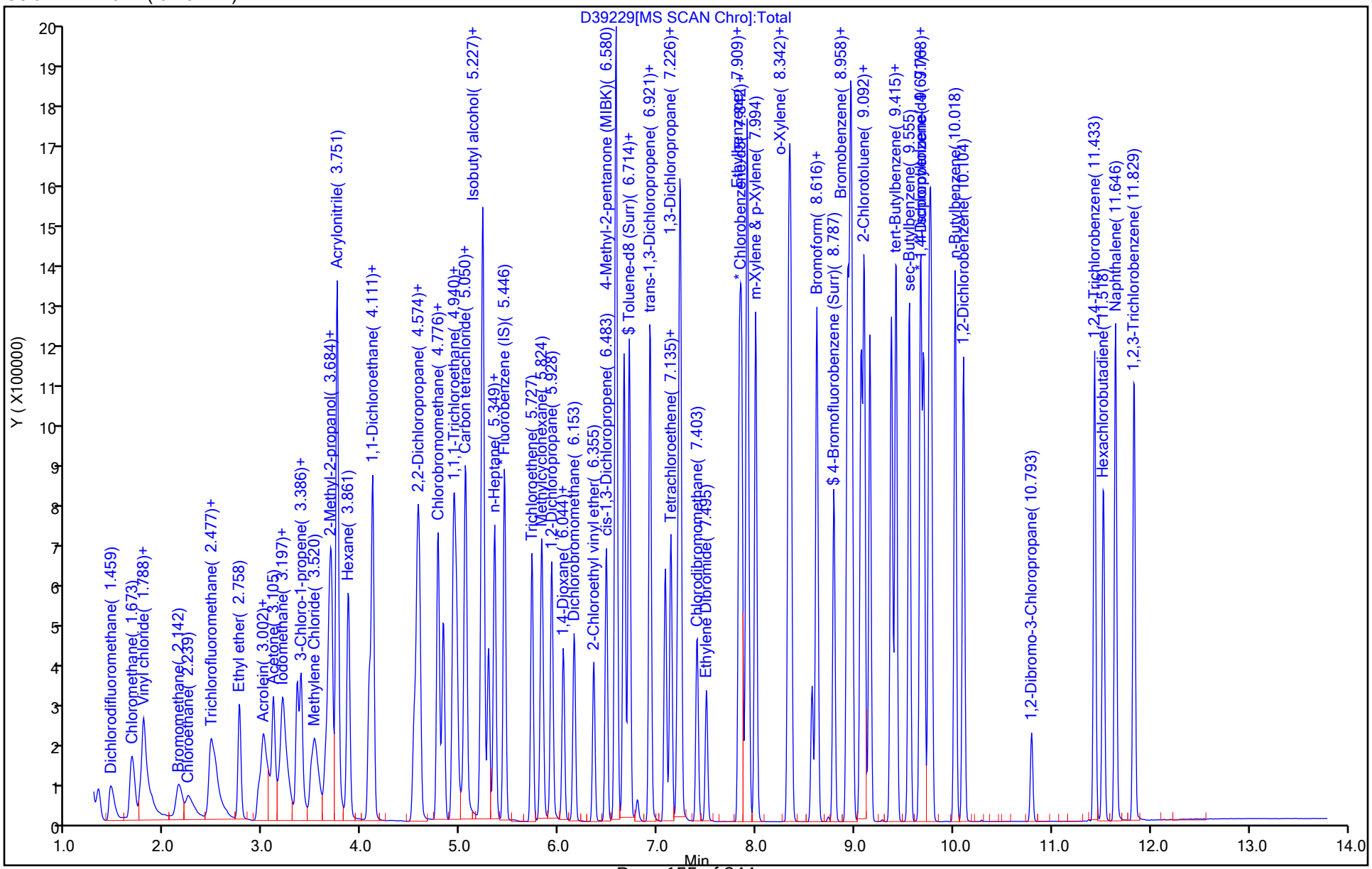
Report Date: 03-Dec-2020 10:44:06 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39229.D

Injection Date:	01-Dec-2020 17:35:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	ICIS 5			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39230.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 01-Dec-2020 17:58:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0095354-009
Operator ID: WD Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Dec-2020 10:44:08 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: dahnw Date: 02-Dec-2020 08:35:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.446	5.446	0.000	98	143459	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.830	7.830	0.000	86	313980	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.756	9.756	0.000	94	343362	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.959	4.965	-0.007	94	216601	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.227	5.227	0.000	68	122694	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	6.659	6.659	0.000	95	752511	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.787	8.787	0.000	93	263318	25.0	25.3	
10 Dichlorodifluoromethane	85	1.459	1.459	0.000	99	475663	50.0	55.2	
12 Chloromethane	50	1.673	1.666	0.007	99	699401	50.0	52.5	
13 Vinyl chloride	62	1.770	1.764	0.006	98	483172	50.0	57.2	
144 Butadiene	54	1.794	1.788	0.006	95	473551	50.0	58.5	
14 Bromomethane	94	2.148	2.148	0.000	91	297416	50.0	53.0	
15 Chloroethane	64	2.246	2.246	0.000	96	237378	50.0	52.2	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	98	540123	50.0	56.3	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	98	601873	50.0	52.5	
18 Ethyl ether	59	2.758	2.758	0.000	95	393943	50.0	53.6	
20 Acrolein	56	2.953	2.953	0.000	99	98981	250.0	277.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.983	0.006	93	377107	50.0	49.6	M
22 1,1-Dichloroethene	96	3.008	3.008	0.000	95	357738	50.0	55.8	
23 Acetone	43	3.105	3.105	0.000	98	771183	250.0	243.0	
25 Iodomethane	142	3.184	3.184	0.000	99	780710	50.0	58.3	
26 Carbon disulfide	76	3.203	3.203	0.000	100	1270132	50.0	53.7	
28 3-Chloro-1-propene	41	3.343	3.349	-0.006	89	899061	50.0	52.4	
27 Methyl acetate	43	3.386	3.386	0.000	100	894294	100.0	102.0	
30 Methylene Chloride	84	3.520	3.526	-0.006	94	449663	50.0	51.4	
31 2-Methyl-2-propanol	59	3.636	3.636	0.000	97	484065	500.0	546.8	
32 Methyl tert-butyl ether	73	3.672	3.672	0.000	99	1094286	50.0	53.6	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.001	94	409274	50.0	55.0	
33 Acrylonitrile	53	3.751	3.751	0.000	97	2032647	500.0	518.1	
35 Hexane	57	3.861	3.861	0.000	96	678829	50.0	54.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.075	4.074	0.001	96	813615	50.0	53.2	
37 Vinyl acetate	43	4.111	4.111	0.000	96	2693991	100.0	108.7	
44 2,2-Dichloropropane	77	4.532	4.532	0.000	96	449878	50.0	54.3	
45 cis-1,2-Dichloroethene	96	4.562	4.562	0.000	88	454965	50.0	53.6	
43 2-Butanone (MEK)	43	4.587	4.587	0.000	97	1419983	250.0	261.8	
48 Chlorobromomethane	128	4.770	4.769	0.001	95	267605	50.0	54.8	
49 Tetrahydrofuran	42	4.782	4.782	0.000	94	373032	100.0	98.2	
50 Chloroform	83	4.824	4.830	-0.006	96	753416	50.0	50.3	
51 1,1,1-Trichloroethane	97	4.928	4.928	0.000	98	608048	50.0	54.7	
52 Cyclohexane	56	4.934	4.940	-0.006	95	841995	50.0	56.4	
55 Carbon tetrachloride	117	5.044	5.044	0.000	98	570298	50.0	57.0	
54 1,1-Dichloropropene	75	5.056	5.056	0.000	92	534820	50.0	54.5	
53 Isobutyl alcohol	43	5.208	5.215	-0.006	95	605905	1250.0	1308.7	
57 Benzene	78	5.233	5.233	0.000	97	1577334	50.0	53.1	
58 1,2-Dichloroethane	62	5.288	5.288	0.000	96	645194	50.0	52.0	
59 n-Heptane	43	5.349	5.349	0.000	97	863943	50.0	51.4	
62 Trichloroethene	95	5.727	5.727	0.000	96	440948	50.0	54.1	
64 Methylcyclohexane	83	5.824	5.824	0.000	98	640415	50.0	56.4	
65 1,2-Dichloropropane	63	5.928	5.928	0.000	94	494166	50.0	51.9	
66 1,4-Dioxane	88	6.031	6.031	0.000	98	52519	1000.0	1058.8	
67 Dibromomethane	93	6.044	6.044	0.000	95	297065	50.0	53.5	
68 Dichlorobromomethane	83	6.153	6.153	0.000	98	599649	50.0	55.7	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	91	332773	50.0	54.0	
72 cis-1,3-Dichloropropene	75	6.483	6.483	0.000	91	713372	50.0	55.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.580	6.580	0.000	98	3132793	250.0	261.0	
74 Toluene	92	6.714	6.714	0.000	98	1055829	50.0	52.8	
77 trans-1,3-Dichloropropene	75	6.922	6.921	0.001	97	667350	50.0	55.0	
75 Ethyl methacrylate	69	6.928	6.928	0.000	95	559281	50.0	55.0	
79 1,1,2-Trichloroethane	83	7.080	7.080	0.000	92	351320	50.0	52.8	
81 Tetrachloroethene	166	7.135	7.135	0.000	95	475258	50.0	54.8	
82 1,3-Dichloropropane	76	7.208	7.208	0.000	98	658159	50.0	52.8	
80 2-Hexanone	43	7.232	7.232	0.000	99	2248209	250.0	262.9	
83 Chlorodibromomethane	129	7.403	7.403	0.000	90	539122	50.0	56.2	
84 Ethylene Dibromide	107	7.495	7.495	0.000	98	472010	50.0	53.2	
87 Chlorobenzene	112	7.854	7.854	0.000	95	1273133	50.0	52.8	
88 Ethylbenzene	91	7.903	7.903	0.000	98	2011207	50.0	53.0	
89 1,1,1,2-Tetrachloroethane	131	7.921	7.921	0.000	96	475581	50.0	54.9	
90 m-Xylene & p-Xylene	106	7.995	7.994	0.000	99	794318	50.0	51.7	
91 o-Xylene	106	8.330	8.330	0.000	98	781759	50.0	53.0	
92 Styrene	104	8.348	8.354	-0.006	94	1346276	50.0	54.1	
95 Bromoform	173	8.568	8.568	0.000	98	368849	50.0	56.6	
94 Isopropylbenzene	105	8.616	8.616	0.000	96	2011903	50.0	52.9	
101 Bromobenzene	156	8.927	8.927	0.000	94	584832	50.0	53.5	
97 1,1,2,2-Tetrachloroethane	83	8.933	8.933	0.000	95	597824	50.0	52.4	
99 N-Propylbenzene	91	8.958	8.958	0.000	98	2438099	50.0	53.8	
98 trans-1,4-Dichloro-2-butene	53	8.970	8.970	0.000	77	213768	50.0	57.1	
100 1,2,3-Trichloropropane	110	8.976	8.976	0.000	88	161299	50.0	53.2	
103 2-Chlorotoluene	126	9.061	9.061	0.000	98	524915	50.0	53.9	
102 1,3,5-Trimethylbenzene	105	9.098	9.098	0.000	95	1755377	50.0	53.4	
105 4-Chlorotoluene	126	9.153	9.153	0.000	97	543418	50.0	53.1	
106 tert-Butylbenzene	134	9.372	9.372	0.000	95	356981	50.0	53.4	
107 1,2,4-Trimethylbenzene	105	9.421	9.421	0.000	98	1795279	50.0	53.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.555	9.555	0.000	94	2233171	50.0	53.8	
110 4-Isopropyltoluene	119	9.665	9.665	0.000	97	1965564	50.0	53.5	
111 1,3-Dichlorobenzene	146	9.701	9.701	0.000	99	1069814	50.0	52.0	
113 1,4-Dichlorobenzene	146	9.775	9.775	0.000	95	1105350	50.0	52.7	
115 n-Butylbenzene	91	10.018	10.018	0.000	98	1768550	50.0	54.6	
116 1,2-Dichlorobenzene	146	10.104	10.104	0.000	98	1080099	50.0	53.1	
117 1,2-Dibromo-3-Chloropropane	75	10.793	10.793	0.000	88	106424	50.0	55.4	
119 1,2,4-Trichlorobenzene	180	11.433	11.433	0.000	95	805939	50.0	55.7	
120 Hexachlorobutadiene	225	11.524	11.524	0.000	98	379041	50.0	56.6	
121 Naphthalene	128	11.646	11.646	0.000	97	2088473	50.0	55.1	
122 1,2,3-Trichlorobenzene	180	11.829	11.835	-0.006	96	752335	50.0	54.5	
S 124 Xylenes, Total	1				0			104.7	
S 125 1,2-Dichloroethene, Total	1				0			108.6	
S 126 1,3-Dichloropropene, Total	1				0			110.5	
S 123 Total BTEX	1				0			263.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00195	Amount Added:	25.00	Units: uL	
GAS CORP mix_00430	Amount Added:	25.00	Units: uL	
D 8260 IS/SUR_00025	Amount Added:	1.00	Units: uL	Run Reagent

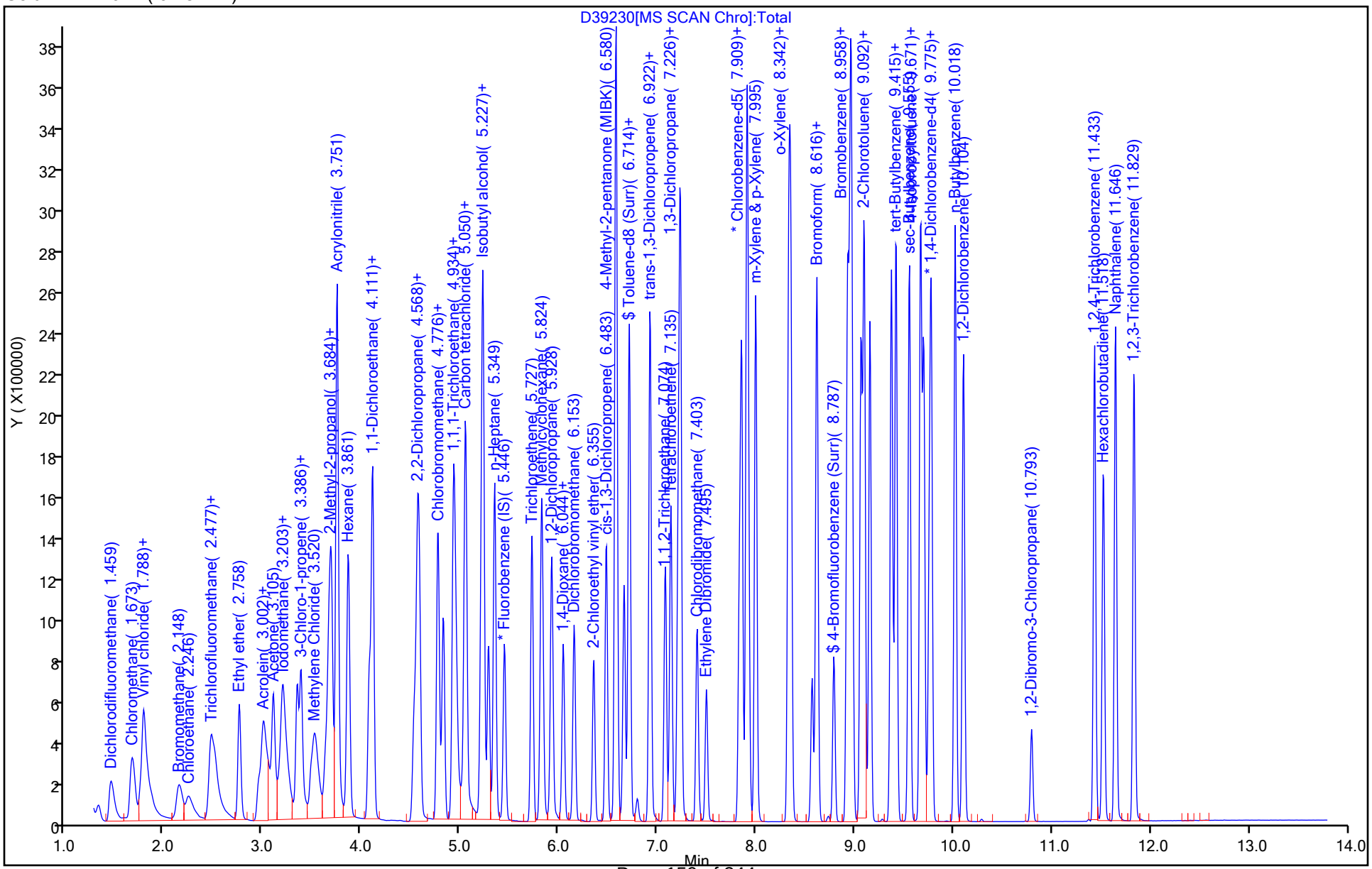
Report Date: 03-Dec-2020 10:44:09 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39230.D

Injection Date:	01-Dec-2020 17:58:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	IC 6			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

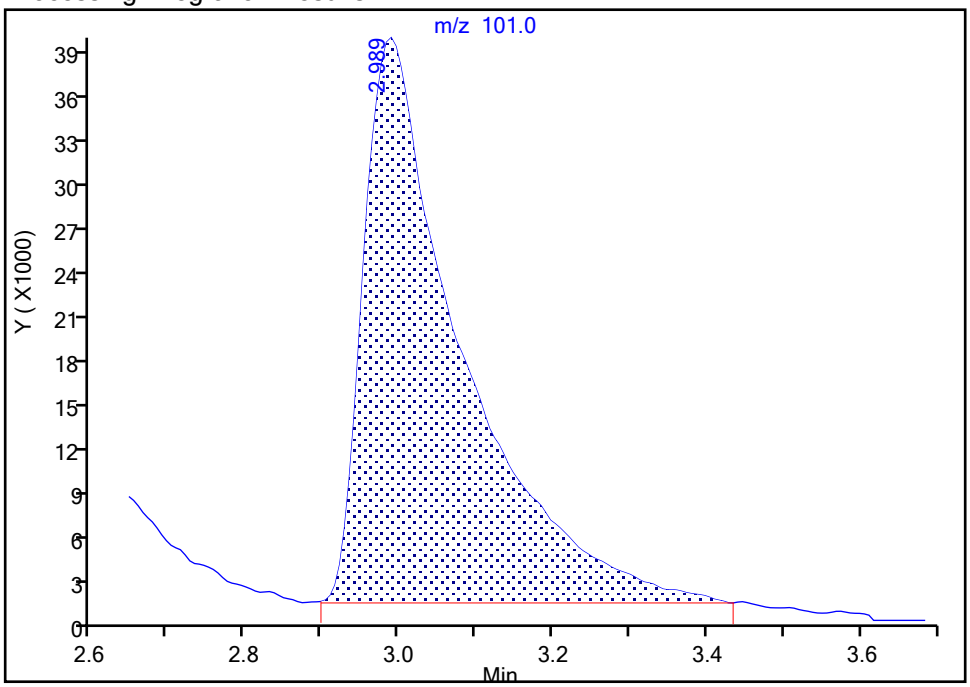
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39230.D
Injection Date: 01-Dec-2020 17:58:30 Instrument ID: HP5975D
Lims ID: IC 6
Client ID:
Operator ID: WD ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

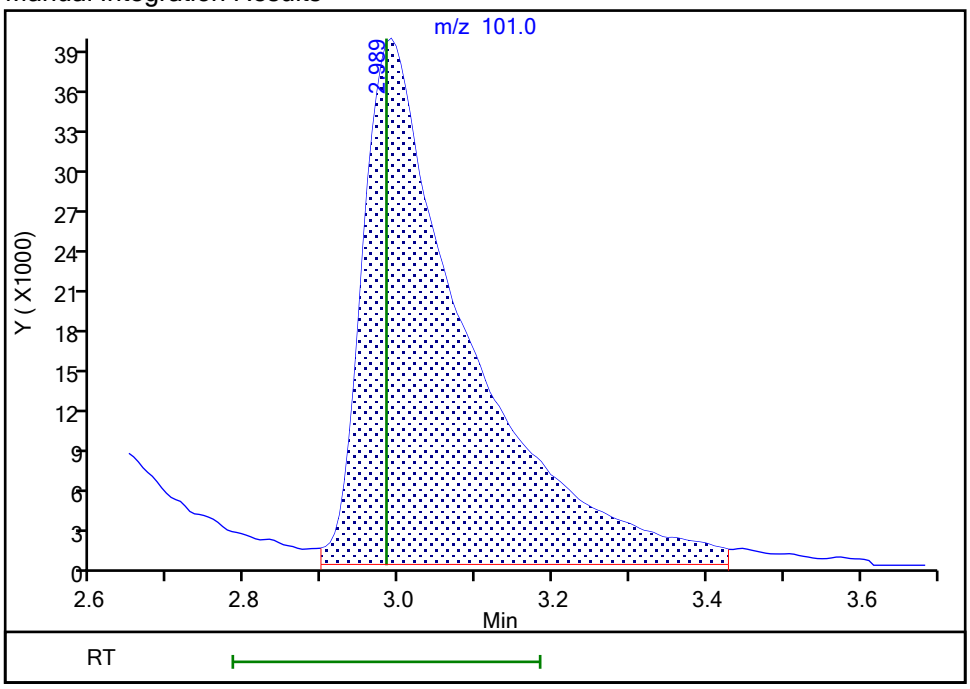
Processing Integration Results

RT: 2.99
Area: 341112
Amount: 51.868286
Amount Units: ug/L



Manual Integration Results

RT: 2.99
Area: 377107
Amount: 49.608554
Amount Units: ug/L



Reviewer: HillL, 03-Dec-2020 10:24:20
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39231.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 01-Dec-2020 18:22:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0095354-010
Operator ID: WD Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Dec-2020 10:44:10 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: dahnw Date: 02-Dec-2020 08:36:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.446	5.446	0.000	98	147579	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.830	7.830	0.000	86	316414	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.756	9.756	0.000	95	343835	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.959	4.965	-0.006	93	209930	25.0	23.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.227	5.227	0.000	79	117628	25.0	23.8	
$ 5 Toluene-d8 (Surr)	98	6.659	6.659	0.000	94	732869	25.0	24.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.787	8.787	0.000	93	263973	25.0	25.2	
10 Dichlorodifluoromethane	85	1.453	1.459	-0.006	99	995478	100.0	112.3	
12 Chloromethane	50	1.673	1.666	0.007	99	1422402	100.0	103.8	
13 Vinyl chloride	62	1.764	1.764	0.000	98	989927	100.0	114.0	
144 Butadiene	54	1.788	1.788	0.000	95	978129	100.0	117.5	
14 Bromomethane	94	2.148	2.148	0.000	91	585421	100.0	101.5	
15 Chloroethane	64	2.246	2.246	0.000	96	473215	100.0	101.1	
17 Trichlorofluoromethane	101	2.471	2.471	0.000	98	1122924	100.0	113.7	
16 Dichlorofluoromethane	67	2.477	2.477	0.000	98	1208192	100.0	102.5	
18 Ethyl ether	59	2.758	2.758	0.000	96	760370	100.0	100.6	
20 Acrolein	56	2.953	2.953	0.000	99	189849	500.0	518.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.983	0.006	93	817005	100.0	103.7	M
22 1,1-Dichloroethene	96	3.008	3.008	0.000	95	759196	100.0	115.2	
23 Acetone	43	3.105	3.105	0.000	98	1450260	500.0	444.3	
25 Iodomethane	142	3.185	3.184	0.001	99	1579672	100.0	114.7	
26 Carbon disulfide	76	3.203	3.203	0.000	100	2633668	100.0	108.3	
28 3-Chloro-1-propene	41	3.349	3.349	0.000	89	1785648	100.0	101.2	
27 Methyl acetate	43	3.386	3.386	0.000	100	1641278	200.0	182.0	
30 Methylene Chloride	84	3.520	3.526	-0.006	94	885513	100.0	98.6	
31 2-Methyl-2-propanol	59	3.636	3.636	0.000	97	925441	1000.0	1016.3	
32 Methyl tert-butyl ether	73	3.672	3.672	0.000	99	2143974	100.0	102.0	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.001	94	812265	100.0	106.1	
33 Acrylonitrile	53	3.752	3.751	0.001	97	3749260	1000.0	929.0	
35 Hexane	57	3.861	3.861	0.000	96	1445730	100.0	112.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.075	4.074	0.001	96	1578354	100.0	100.3	
37 Vinyl acetate	43	4.111	4.111	0.000	96	5229783	200.0	205.1	
44 2,2-Dichloropropane	77	4.532	4.532	0.000	96	890986	100.0	104.5	
45 cis-1,2-Dichloroethene	96	4.562	4.562	0.000	85	877117	100.0	100.5	
43 2-Butanone (MEK)	43	4.587	4.587	0.000	97	2714959	500.0	486.6	
48 Chlorobromomethane	128	4.770	4.769	0.001	94	511220	100.0	101.7	
49 Tetrahydrofuran	42	4.782	4.782	0.000	94	715271	200.0	183.0	
50 Chloroform	83	4.824	4.830	-0.006	96	1462937	100.0	95.0	
51 1,1,1-Trichloroethane	97	4.928	4.928	0.000	98	1231762	100.0	107.8	
52 Cyclohexane	56	4.934	4.940	-0.006	96	1797188	100.0	117.0	
55 Carbon tetrachloride	117	5.044	5.044	0.000	98	1188890	100.0	115.4	
54 1,1-Dichloropropene	75	5.056	5.056	0.000	92	1086475	100.0	107.7	
53 Isobutyl alcohol	43	5.209	5.215	-0.005	94	1122526	2500.0	2356.8	
57 Benzene	78	5.233	5.233	0.000	97	3073527	100.0	100.6	
58 1,2-Dichloroethane	62	5.288	5.288	0.000	96	1235327	100.0	96.7	
59 n-Heptane	43	5.349	5.349	0.000	97	1910649	100.0	110.4	
62 Trichloroethene	95	5.727	5.727	0.000	96	880123	100.0	105.0	
64 Methylcyclohexane	83	5.824	5.824	0.000	98	1350183	100.0	115.5	
65 1,2-Dichloropropane	63	5.928	5.928	0.000	94	968591	100.0	99.0	
66 1,4-Dioxane	88	6.032	6.031	0.001	98	96513	2000.0	1919.0	
67 Dibromomethane	93	6.044	6.044	0.000	96	584969	100.0	102.3	
68 Dichlorobromomethane	83	6.153	6.153	0.000	97	1177427	100.0	106.3	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	91	668283	100.0	105.5	
72 cis-1,3-Dichloropropene	75	6.483	6.483	0.000	91	1395845	100.0	105.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.580	6.580	0.000	98	6078620	500.0	502.5	
74 Toluene	92	6.714	6.714	0.000	98	2058962	100.0	102.2	
77 trans-1,3-Dichloropropene	75	6.922	6.921	0.001	98	1337968	100.0	109.4	
75 Ethyl methacrylate	69	6.928	6.928	0.000	95	1100422	100.0	107.5	
79 1,1,2-Trichloroethane	83	7.080	7.080	0.000	91	687330	100.0	102.5	
81 Tetrachloroethene	166	7.135	7.135	0.000	95	972108	100.0	111.2	
82 1,3-Dichloropropane	76	7.208	7.208	0.000	99	1302189	100.0	103.7	
80 2-Hexanone	43	7.233	7.232	0.001	99	4344550	500.0	504.0	
83 Chlorodibromomethane	129	7.403	7.403	0.000	90	1101768	100.0	114.0	
84 Ethylene Dibromide	107	7.495	7.495	0.000	98	942836	100.0	105.4	
87 Chlorobenzene	112	7.854	7.854	0.000	95	2532421	100.0	104.2	
88 Ethylbenzene	91	7.903	7.903	0.000	98	4069156	100.0	106.3	
89 1,1,1,2-Tetrachloroethane	131	7.921	7.921	0.000	96	961332	100.0	110.2	
90 m-Xylene & p-Xylene	106	7.995	7.994	0.001	99	1614505	100.0	104.3	
91 o-Xylene	106	8.330	8.330	0.000	97	1567490	100.0	105.5	
92 Styrene	104	8.354	8.354	0.000	96	2691963	100.0	107.2	
95 Bromoform	173	8.568	8.568	0.000	98	762872	100.0	116.1	
94 Isopropylbenzene	105	8.616	8.616	0.000	96	4136816	100.0	108.5	
101 Bromobenzene	156	8.927	8.927	0.000	91	1163598	100.0	106.3	
97 1,1,2,2-Tetrachloroethane	83	8.933	8.933	0.000	95	1196363	100.0	104.7	
99 N-Propylbenzene	91	8.958	8.958	0.000	99	4926466	100.0	108.6	
98 trans-1,4-Dichloro-2-butene	53	8.970	8.970	0.000	77	433921	100.0	115.8	
100 1,2,3-Trichloropropane	110	8.976	8.976	0.000	89	317264	100.0	104.5	
103 2-Chlorotoluene	126	9.068	9.061	0.007	98	1049706	100.0	107.6	
102 1,3,5-Trimethylbenzene	105	9.098	9.098	0.000	94	3543337	100.0	107.6	
105 4-Chlorotoluene	126	9.153	9.153	0.000	97	1092952	100.0	106.7	
106 tert-Butylbenzene	134	9.372	9.372	0.000	95	725347	100.0	108.3	
107 1,2,4-Trimethylbenzene	105	9.421	9.421	0.000	98	3651532	100.0	108.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.555	9.555	0.000	94	4568463	100.0	109.8	
110 4-Isopropyltoluene	119	9.671	9.665	0.006	97	4006179	100.0	108.9	
111 1,3-Dichlorobenzene	146	9.702	9.701	0.001	98	2144262	100.0	104.0	
113 1,4-Dichlorobenzene	146	9.775	9.775	0.000	97	2208132	100.0	105.1	
115 n-Butylbenzene	91	10.019	10.018	0.001	98	3608302	100.0	111.2	
116 1,2-Dichlorobenzene	146	10.104	10.104	0.000	98	2148993	100.0	105.4	
117 1,2-Dibromo-3-Chloropropane	75	10.793	10.793	0.000	88	218715	100.0	113.7	
119 1,2,4-Trichlorobenzene	180	11.433	11.433	0.000	95	1555351	100.0	107.3	
120 Hexachlorobutadiene	225	11.524	11.524	0.000	98	653197	100.0	97.4	
121 Naphthalene	128	11.646	11.646	0.000	97	4065211	100.0	107.1	
122 1,2,3-Trichlorobenzene	180	11.835	11.835	0.000	97	1465858	100.0	106.0	
S 124 Xylenes, Total	1				0			209.8	
S 125 1,2-Dichloroethene, Total	1				0			206.6	
S 126 1,3-Dichloropropene, Total	1				0			214.9	
S 123 Total BTEX	1				0			519.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00195	Amount Added:	50.00	Units: uL	
GAS CORP mix_00430	Amount Added:	50.00	Units: uL	
D 8260 IS/SUR_00025	Amount Added:	1.00	Units: uL	Run Reagent

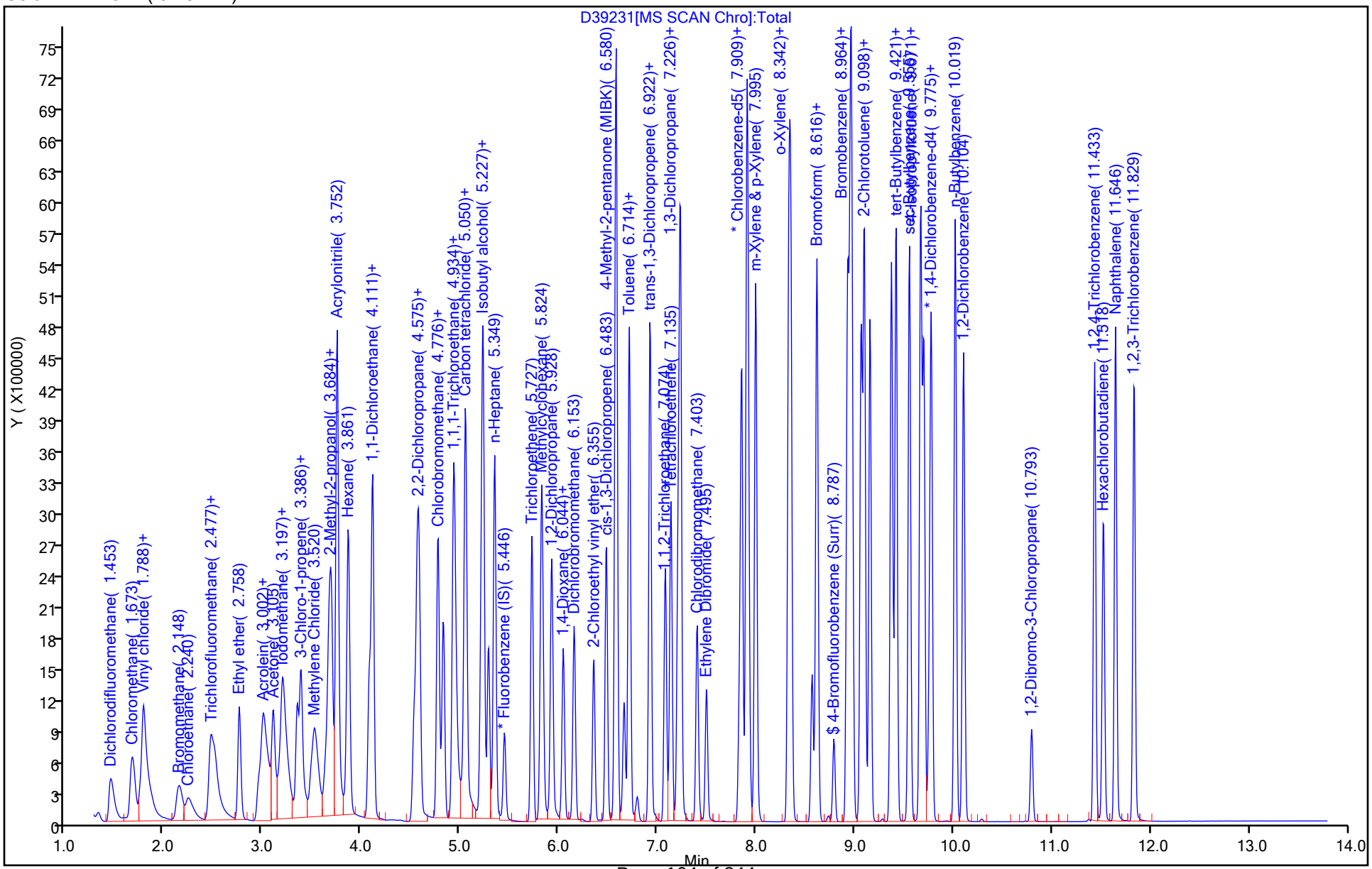
Report Date: 03-Dec-2020 10:44:11 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39231.D

Injection Date:	01-Dec-2020 18:22:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	IC 7			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

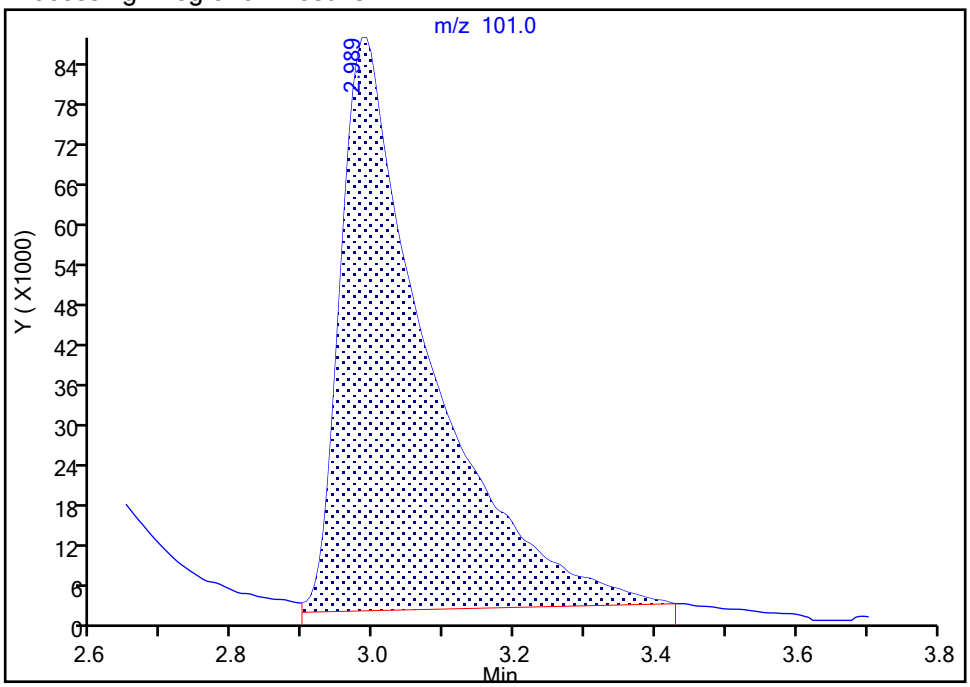
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39231.D
Injection Date: 01-Dec-2020 18:22:30 Instrument ID: HP5975D
Lims ID: IC 7
Client ID:
Operator ID: WD ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

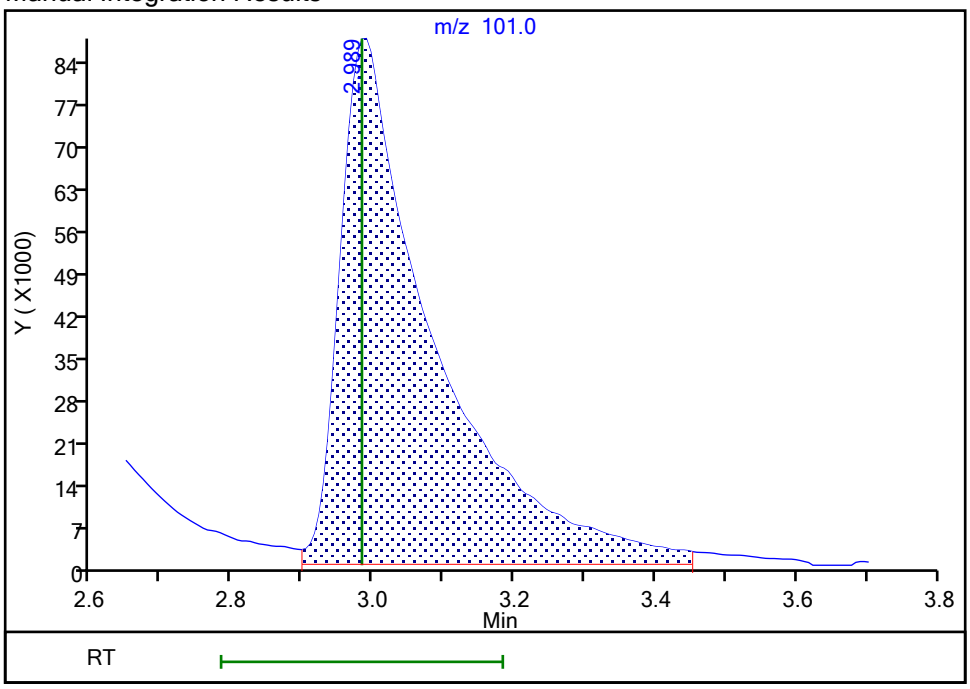
Processing Integration Results

RT: 2.99
Area: 758633
Amount: 99.817102
Amount Units: ug/L



Manual Integration Results

RT: 2.99
Area: 817005
Amount: 103.7105
Amount Units: ug/L



Reviewer: HillL, 03-Dec-2020 10:25:01
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

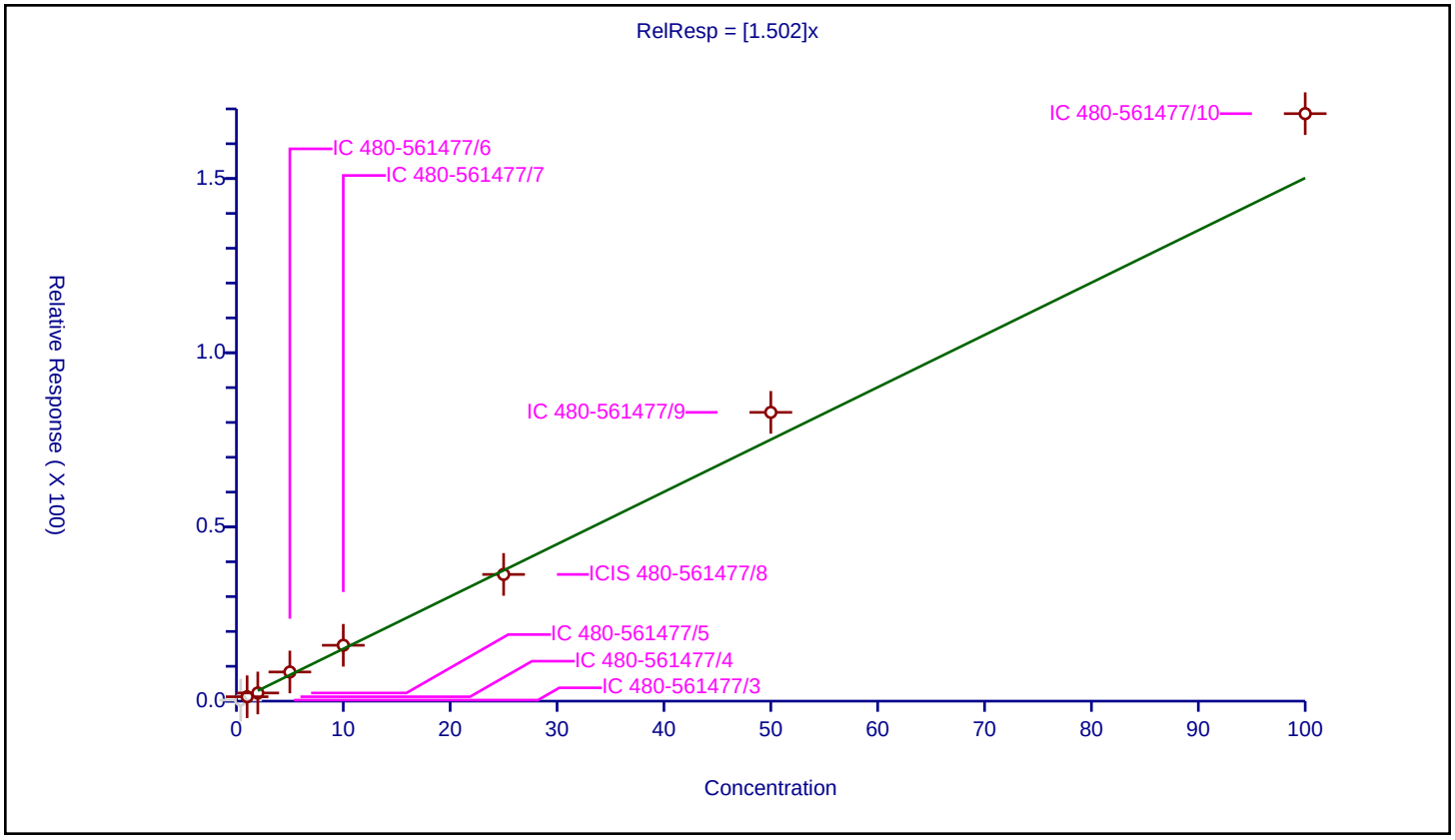
Curve Coefficients

Intercept:	0
Slope:	1.502

Error Coefficients

Standard Error:	461000
Relative Standard Error:	14.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.303101	25.0	149620.0	0.757753	N
2	IC 480-561477/4	1.0	1.263249	25.0	146903.0	1.263249	Y
3	IC 480-561477/5	2.0	2.343765	25.0	151583.0	1.171883	Y
4	IC 480-561477/6	5.0	8.366417	25.0	144835.0	1.673283	Y
5	IC 480-561477/7	10.0	16.035955	25.0	147294.0	1.603596	Y
6	ICIS 480-561477/8	25.0	36.371943	25.0	145283.0	1.454878	Y
7	IC 480-561477/9	50.0	82.891802	25.0	143459.0	1.657836	Y
8	IC 480-561477/10	100.0	168.634765	25.0	147579.0	1.686348	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

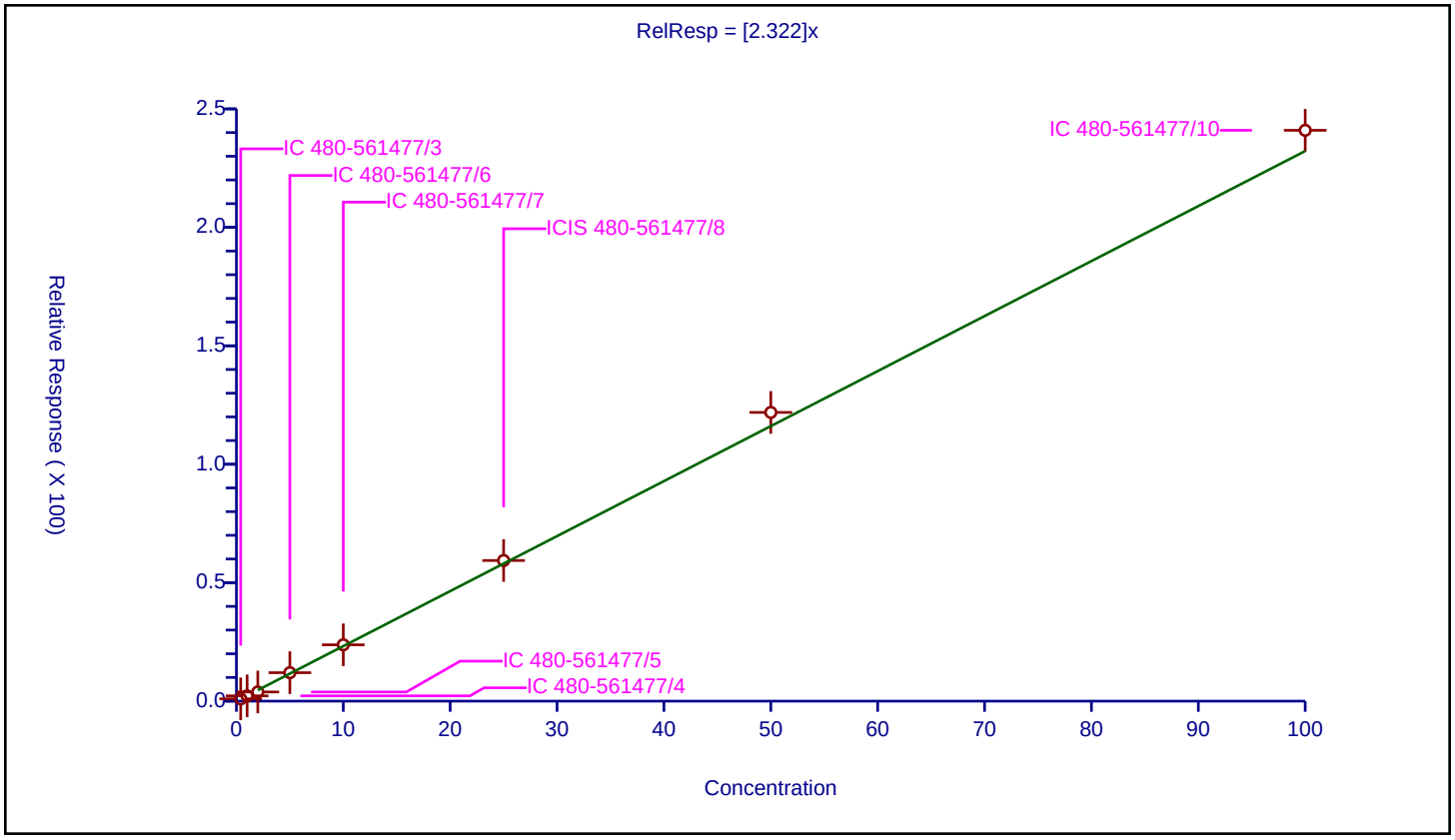
Curve Coefficients

Intercept:	0
Slope:	2.322

Error Coefficients

Standard Error:	616000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.960266	25.0	149620.0	2.400665	Y
2	IC 480-561477/4	1.0	2.234808	25.0	146903.0	2.234808	Y
3	IC 480-561477/5	2.0	3.875105	25.0	151583.0	1.937552	Y
4	IC 480-561477/6	5.0	12.013671	25.0	144835.0	2.402734	Y
5	IC 480-561477/7	10.0	23.785592	25.0	147294.0	2.378559	Y
6	ICIS 480-561477/8	25.0	59.361901	25.0	145283.0	2.374476	Y
7	IC 480-561477/9	50.0	121.881687	25.0	143459.0	2.437634	Y
8	IC 480-561477/10	100.0	240.95603	25.0	147579.0	2.40956	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

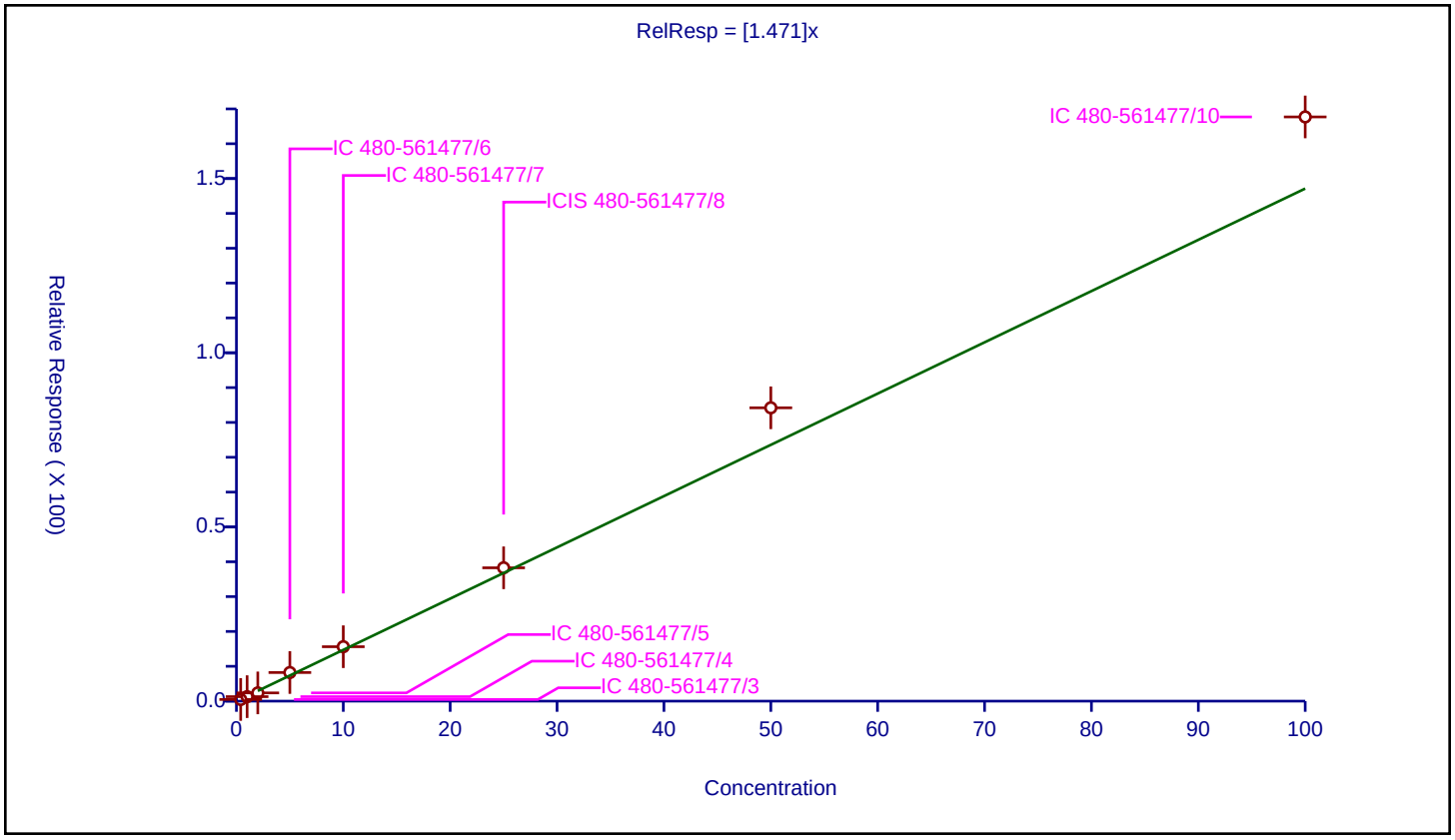
Curve Coefficients

Intercept:	0
Slope:	1.471

Error Coefficients

Standard Error:	427000
Relative Standard Error:	14.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.481386	25.0	149620.0	1.203465	Y
2	IC 480-561477/4	1.0	1.288265	25.0	146903.0	1.288265	Y
3	IC 480-561477/5	2.0	2.363886	25.0	151583.0	1.181943	Y
4	IC 480-561477/6	5.0	8.213484	25.0	144835.0	1.642697	Y
5	IC 480-561477/7	10.0	15.619102	25.0	147294.0	1.56191	Y
6	ICIS 480-561477/8	25.0	38.275985	25.0	145283.0	1.531039	Y
7	IC 480-561477/9	50.0	84.200364	25.0	143459.0	1.684007	Y
8	IC 480-561477/10	100.0	167.694421	25.0	147579.0	1.676944	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

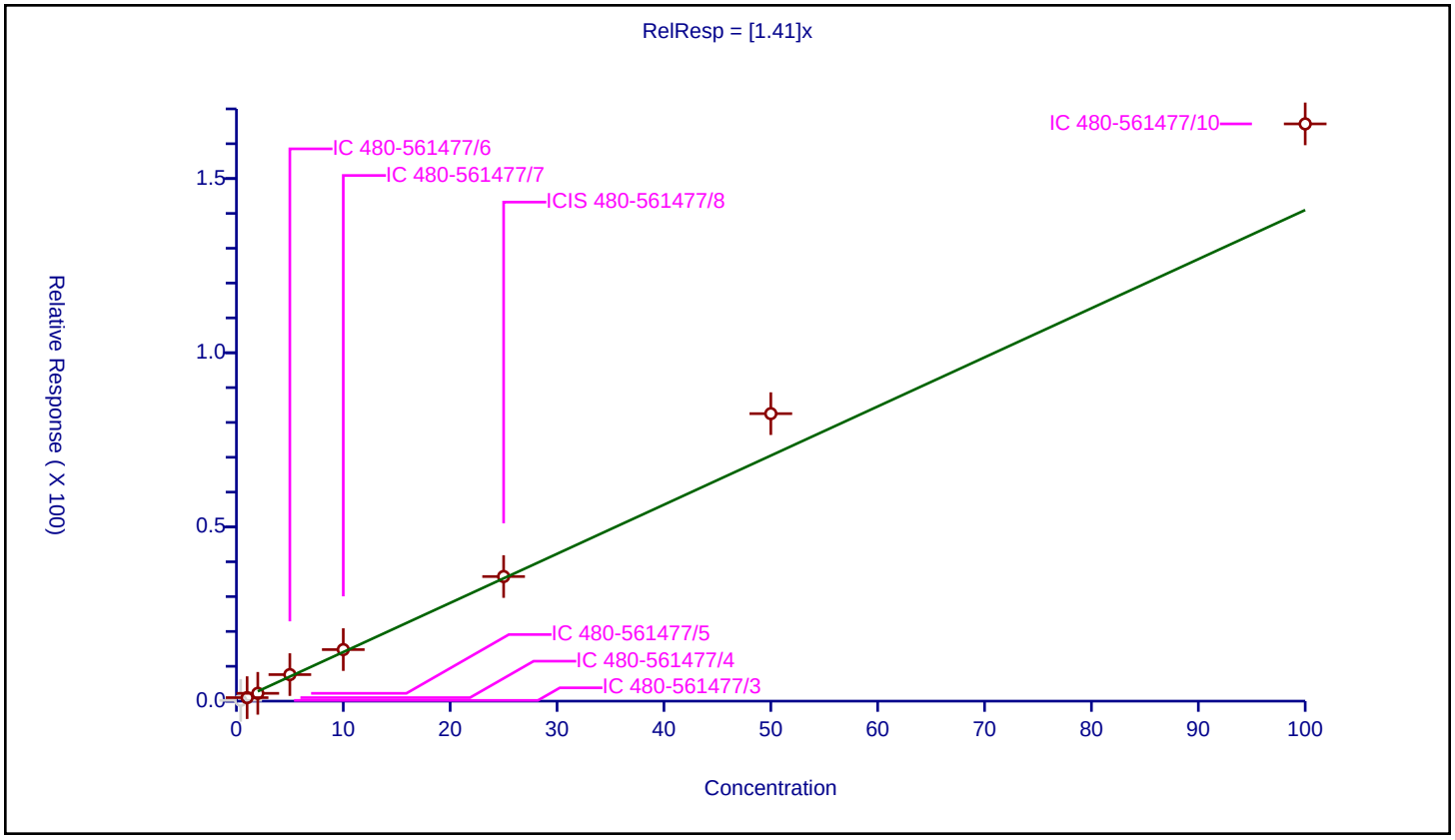
Curve Coefficients

Intercept:	0
Slope:	1.41

Error Coefficients

Standard Error:	453000
Relative Standard Error:	18.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.218219	25.0	149620.0	0.545549	N
2	IC 480-561477/4	1.0	1.003724	25.0	146903.0	1.003724	Y
3	IC 480-561477/5	2.0	2.246129	25.0	151583.0	1.123065	Y
4	IC 480-561477/6	5.0	7.616943	25.0	144835.0	1.523389	Y
5	IC 480-561477/7	10.0	14.794221	25.0	147294.0	1.479422	Y
6	ICIS 480-561477/8	25.0	35.771219	25.0	145283.0	1.430849	Y
7	IC 480-561477/9	50.0	82.523752	25.0	143459.0	1.650475	Y
8	IC 480-561477/10	100.0	165.695831	25.0	147579.0	1.656958	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

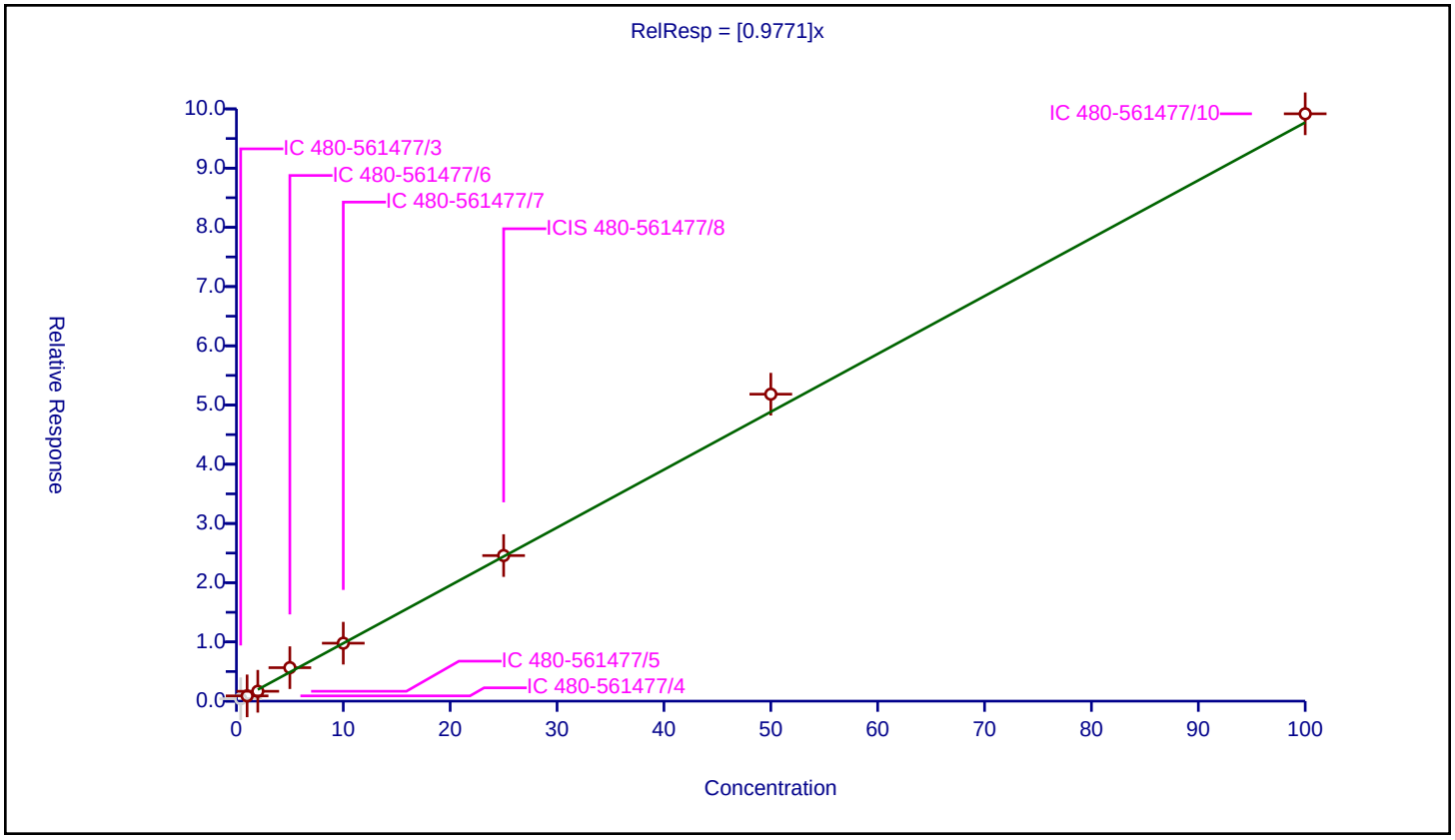
Curve Coefficients

Intercept:	0
Slope:	0.9771

Error Coefficients

Standard Error:	276000
Relative Standard Error:	9.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.40653	25.0	149620.0	1.016325	N
2	IC 480-561477/4	1.0	0.88698	25.0	146903.0	0.88698	Y
3	IC 480-561477/5	2.0	1.66427	25.0	151583.0	0.832135	Y
4	IC 480-561477/6	5.0	5.652467	25.0	144835.0	1.130493	Y
5	IC 480-561477/7	10.0	9.783834	25.0	147294.0	0.978383	Y
6	ICIS 480-561477/8	25.0	24.58013	25.0	145283.0	0.983205	Y
7	IC 480-561477/9	50.0	51.829443	25.0	143459.0	1.036589	Y
8	IC 480-561477/10	100.0	99.170783	25.0	147579.0	0.991708	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

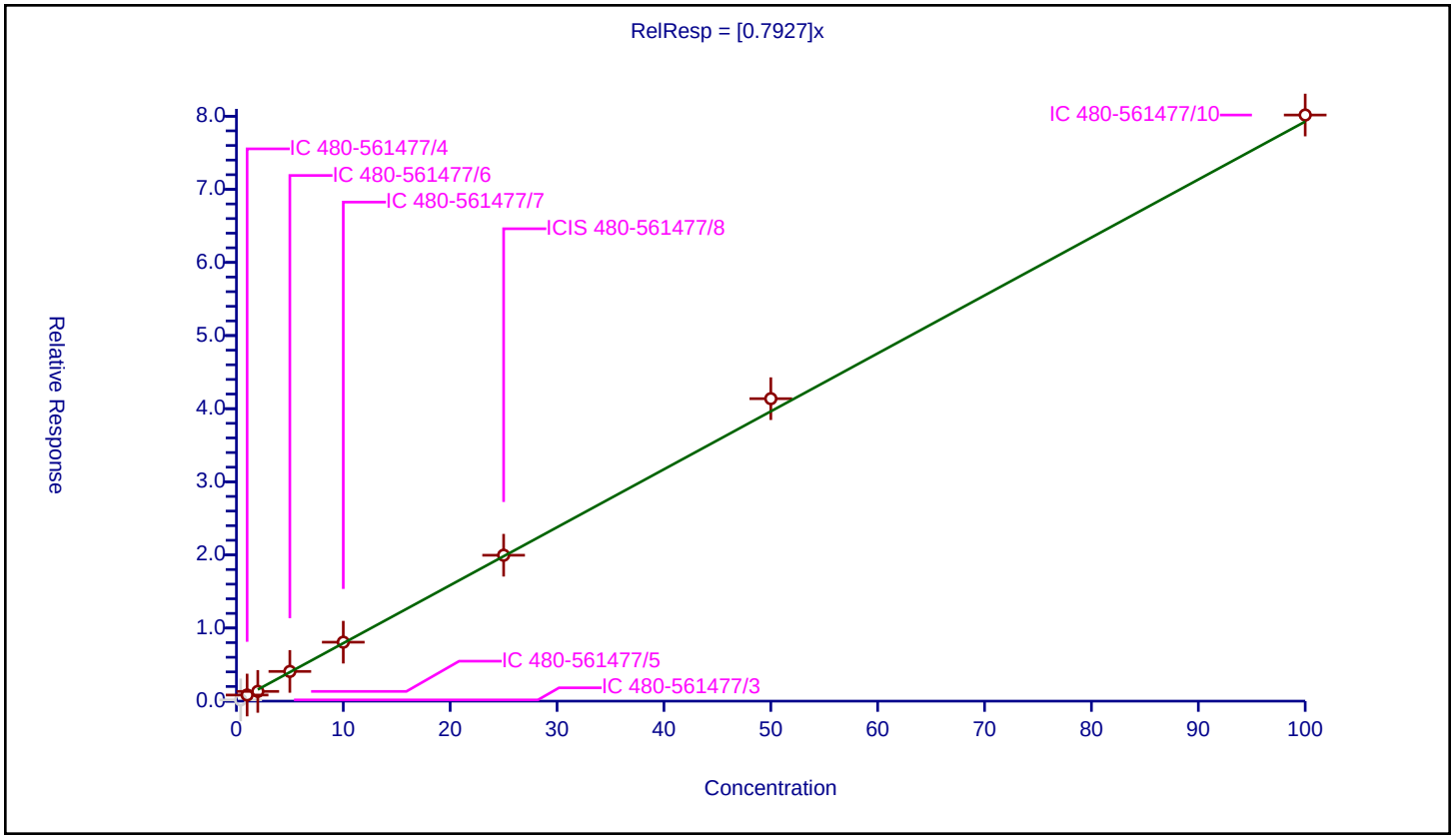
Curve Coefficients

Intercept:	0
Slope:	0.7927

Error Coefficients

Standard Error:	222000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.169596	25.0	149620.0	0.423991	N
2	IC 480-561477/4	1.0	0.836096	25.0	146903.0	0.836096	Y
3	IC 480-561477/5	2.0	1.332438	25.0	151583.0	0.666219	Y
4	IC 480-561477/6	5.0	4.06497	25.0	144835.0	0.812994	Y
5	IC 480-561477/7	10.0	8.061428	25.0	147294.0	0.806143	Y
6	ICIS 480-561477/8	25.0	19.955191	25.0	145283.0	0.798208	Y
7	IC 480-561477/9	50.0	41.366871	25.0	143459.0	0.827337	Y
8	IC 480-561477/10	100.0	80.162997	25.0	147579.0	0.80163	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

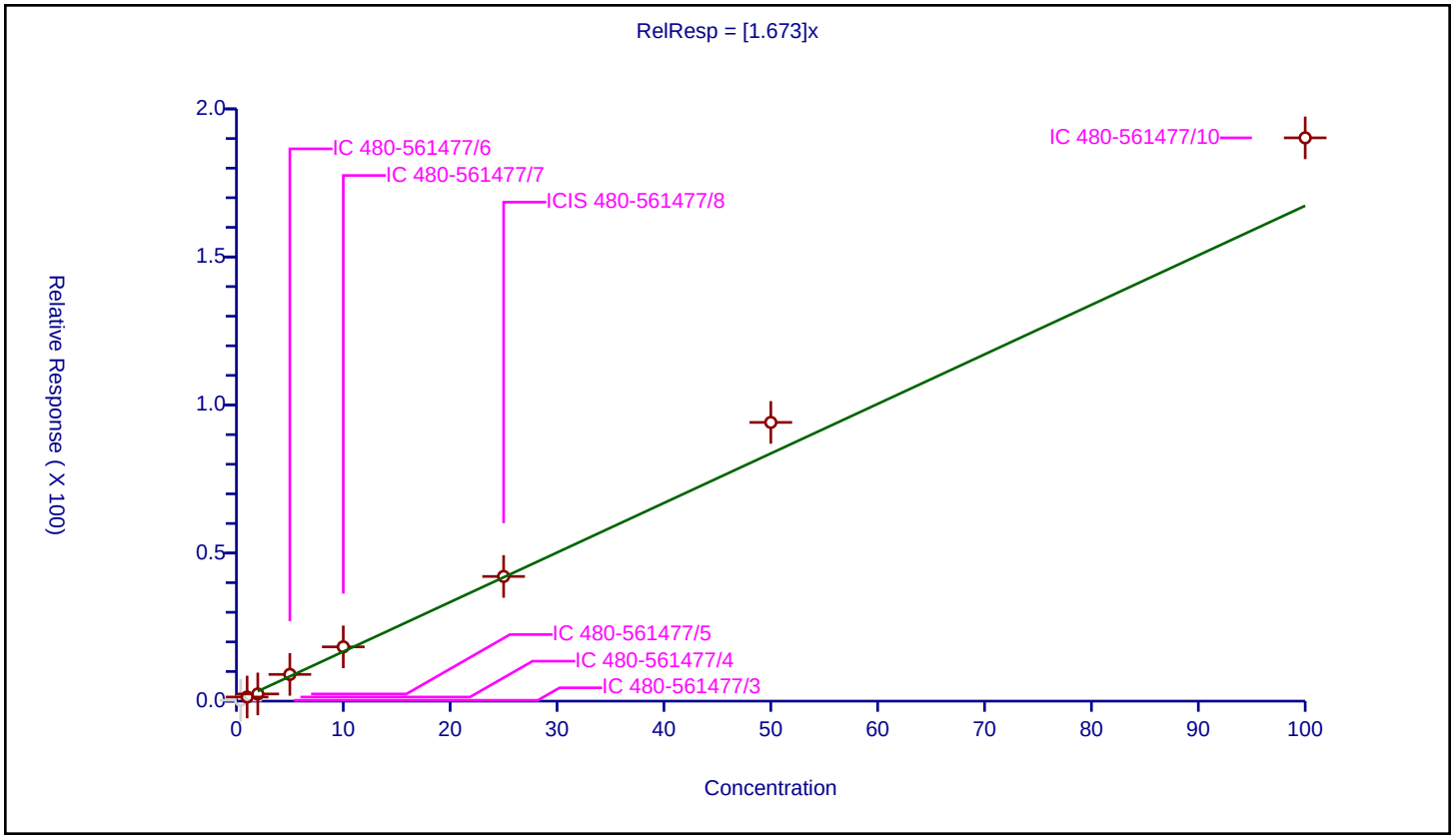
Curve Coefficients

Intercept:	0
Slope:	1.673

Error Coefficients

Standard Error:	521000
Relative Standard Error:	16.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.30377	25.0	149620.0	0.759424	N
2	IC 480-561477/4	1.0	1.390543	25.0	146903.0	1.390543	Y
3	IC 480-561477/5	2.0	2.427053	25.0	151583.0	1.213527	Y
4	IC 480-561477/6	5.0	9.024925	25.0	144835.0	1.804985	Y
5	IC 480-561477/7	10.0	18.324745	25.0	147294.0	1.832475	Y
6	ICIS 480-561477/8	25.0	42.104031	25.0	145283.0	1.684161	Y
7	IC 480-561477/9	50.0	94.124976	25.0	143459.0	1.8825	Y
8	IC 480-561477/10	100.0	190.224219	25.0	147579.0	1.902242	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

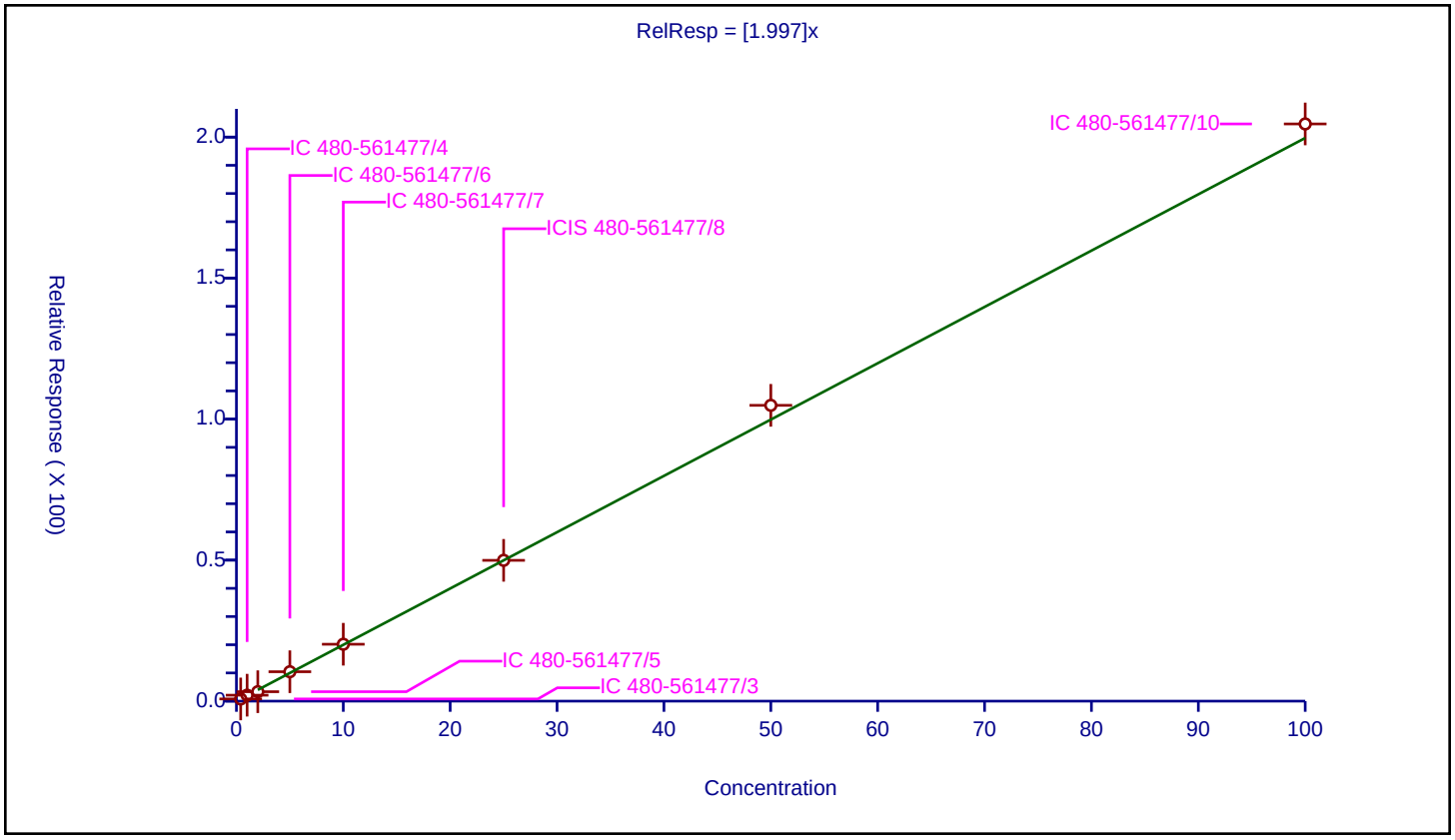
Curve Coefficients

Intercept:	0
Slope:	1.997

Error Coefficients

Standard Error:	524000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.778138	25.0	149620.0	1.945345	Y
2	IC 480-561477/4	1.0	2.108364	25.0	146903.0	2.108364	Y
3	IC 480-561477/5	2.0	3.35064	25.0	151583.0	1.67532	Y
4	IC 480-561477/6	5.0	10.429454	25.0	144835.0	2.085891	Y
5	IC 480-561477/7	10.0	20.175975	25.0	147294.0	2.017597	Y
6	ICIS 480-561477/8	25.0	49.929276	25.0	145283.0	1.997171	Y
7	IC 480-561477/9	50.0	104.885891	25.0	143459.0	2.097718	Y
8	IC 480-561477/10	100.0	204.668686	25.0	147579.0	2.046687	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

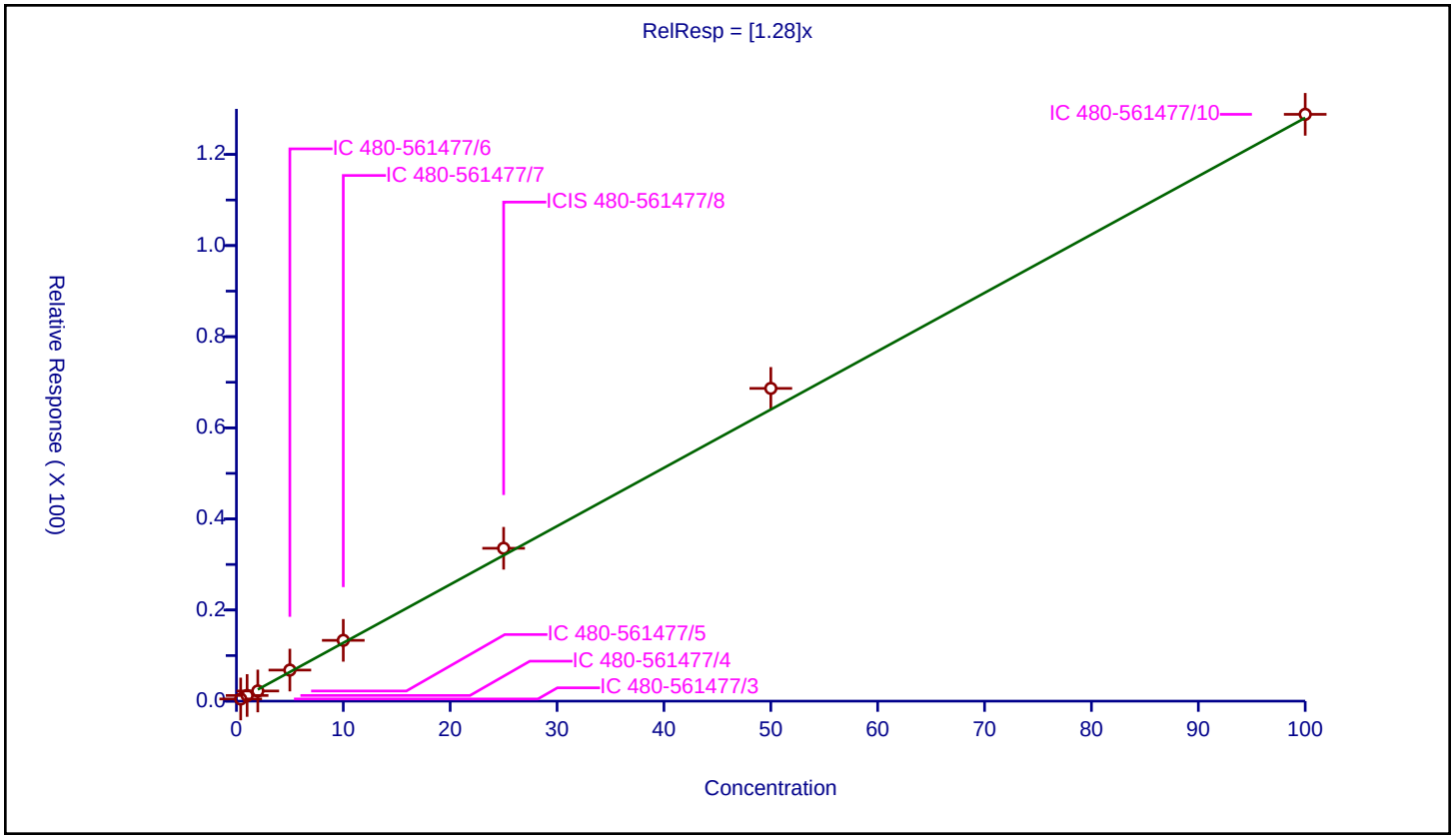
Curve Coefficients

Intercept:	0
Slope:	1.28

Error Coefficients

Standard Error:	334000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.474368	25.0	149620.0	1.185921	Y
2	IC 480-561477/4	1.0	1.240104	25.0	146903.0	1.240104	Y
3	IC 480-561477/5	2.0	2.228647	25.0	151583.0	1.114324	Y
4	IC 480-561477/6	5.0	6.819484	25.0	144835.0	1.363897	Y
5	IC 480-561477/7	10.0	13.346097	25.0	147294.0	1.33461	Y
6	ICIS 480-561477/8	25.0	33.555887	25.0	145283.0	1.342235	Y
7	IC 480-561477/9	50.0	68.650799	25.0	143459.0	1.373016	Y
8	IC 480-561477/10	100.0	128.807283	25.0	147579.0	1.288073	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

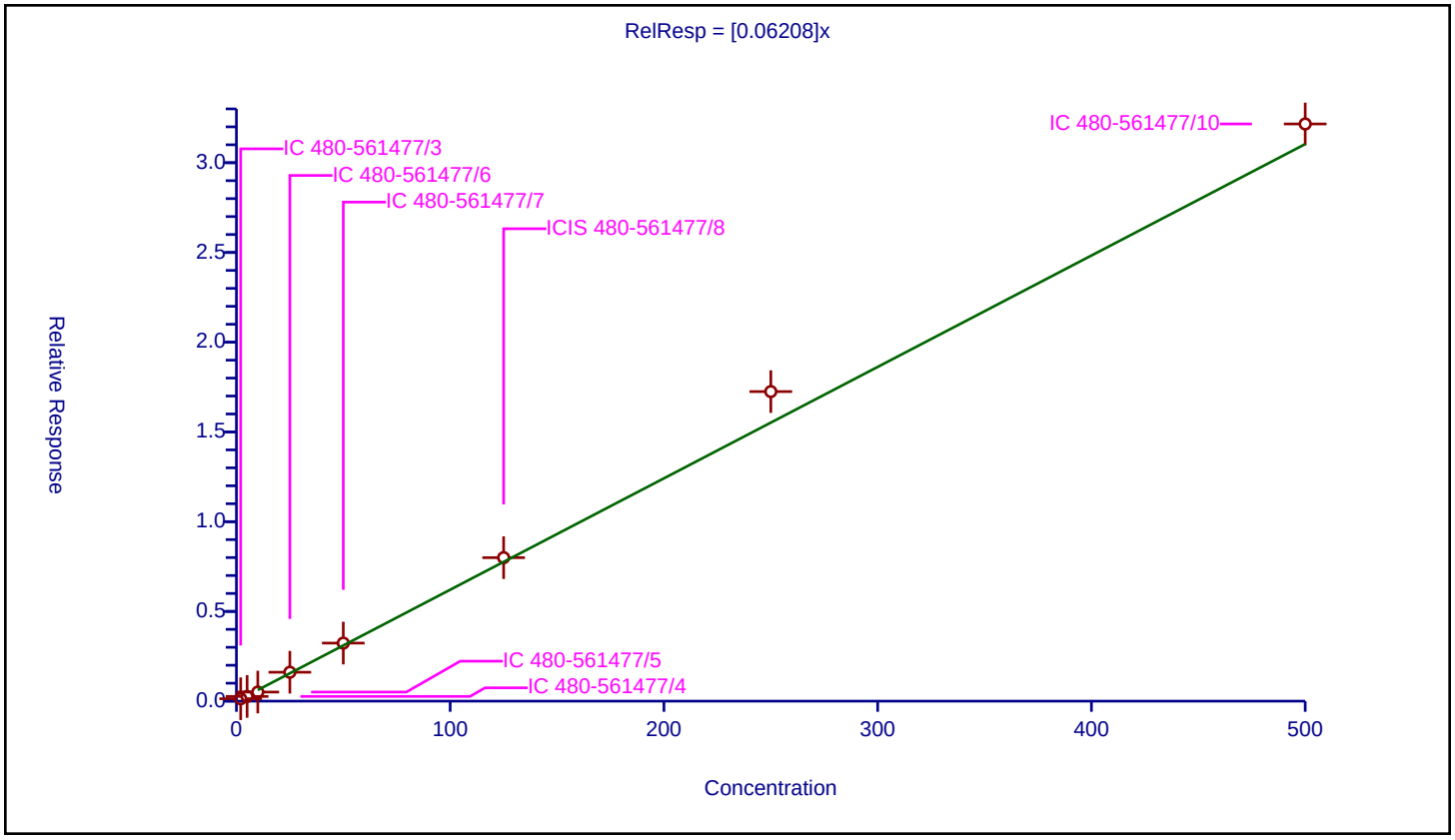
Curve Coefficients

Intercept:	0
Slope:	0.06208

Error Coefficients

Standard Error:	83200
Relative Standard Error:	10.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	2.0	0.134006	25.0	149620.0	0.067003	Y
2	IC 480-561477/4	5.0	0.262248	25.0	146903.0	0.05245	Y
3	IC 480-561477/5	10.0	0.507478	25.0	151583.0	0.050748	Y
4	IC 480-561477/6	25.0	1.610626	25.0	144835.0	0.064425	Y
5	IC 480-561477/7	50.0	3.235196	25.0	147294.0	0.064704	Y
6	ICIS 480-561477/8	125.0	7.994569	25.0	145283.0	0.063957	Y
7	IC 480-561477/9	250.0	17.249005	25.0	143459.0	0.068996	Y
8	IC 480-561477/10	500.0	32.160572	25.0	147579.0	0.064321	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

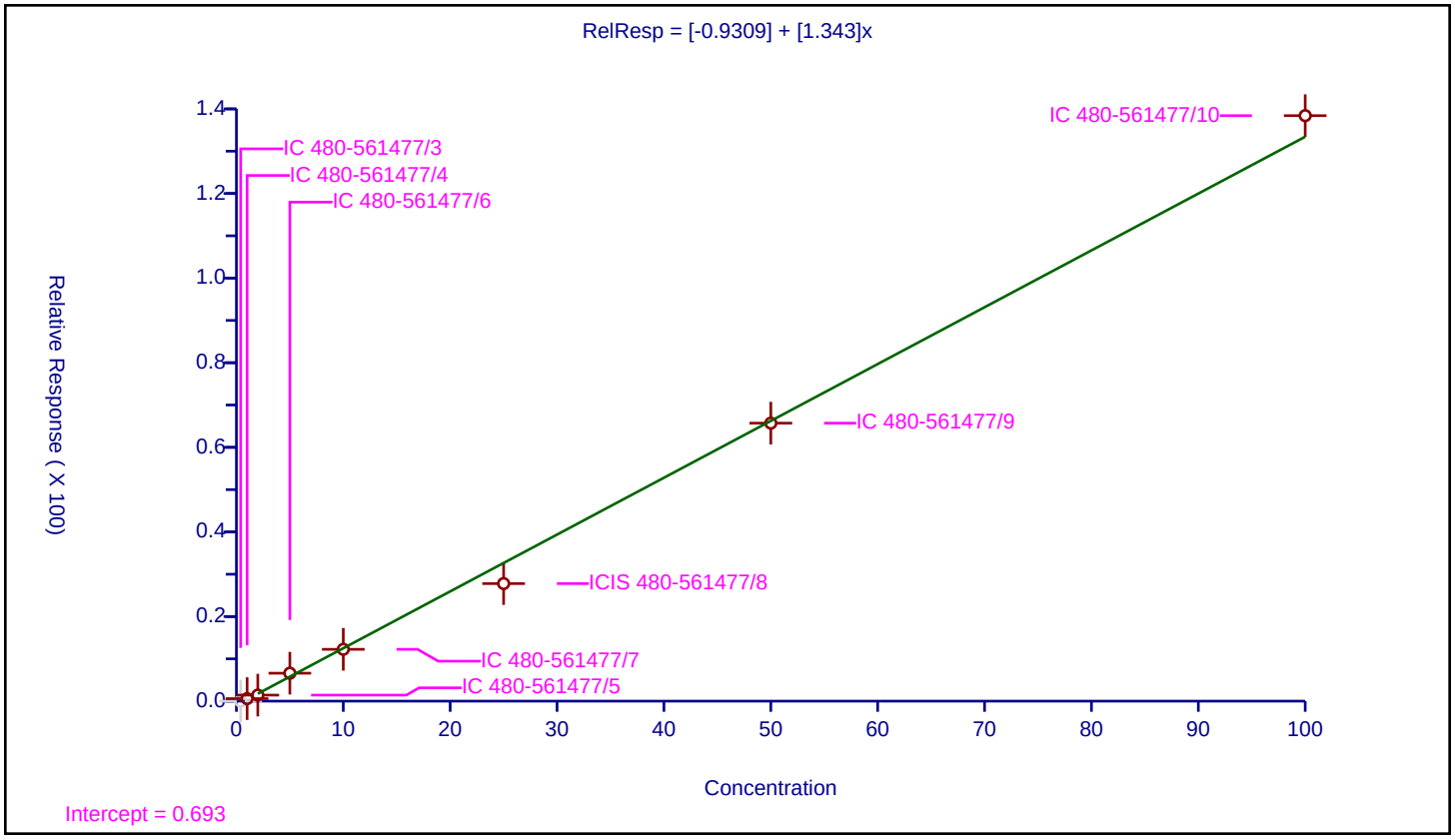
Curve Coefficients

Intercept:	-0.9309
Slope:	1.343

Error Coefficients

Standard Error:	410000
Relative Standard Error:	11.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.0	25.0	149620.0	0.0	N
2	IC 480-561477/4	1.0	0.595291	25.0	146903.0	0.595291	Y
3	IC 480-561477/5	2.0	1.426776	25.0	151583.0	0.713388	Y
4	IC 480-561477/6	5.0	6.602513	25.0	144835.0	1.320503	Y
5	IC 480-561477/7	10.0	12.246256	25.0	147294.0	1.224626	Y
6	ICIS 480-561477/8	25.0	27.785082	25.0	145283.0	1.111403	Y
7	IC 480-561477/9	50.0	65.71686	25.0	143459.0	1.314337	Y
8	IC 480-561477/10	100.0	138.401297	25.0	147579.0	1.384013	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

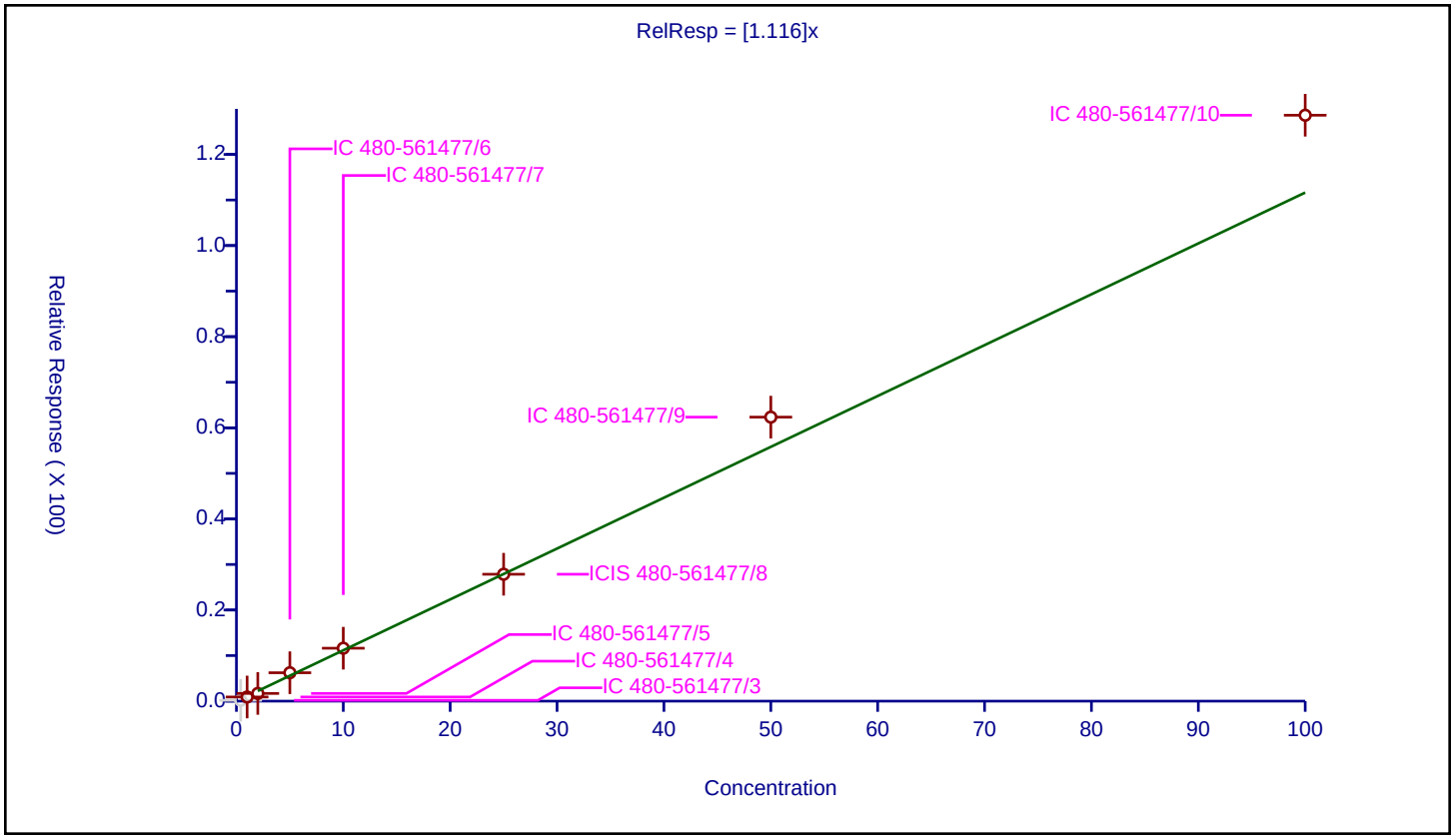
Curve Coefficients

Intercept:	0
Slope:	1.116

Error Coefficients

Standard Error:	350000
Relative Standard Error:	15.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.186472	25.0	149620.0	0.466181	N
2	IC 480-561477/4	1.0	0.911145	25.0	146903.0	0.911145	Y
3	IC 480-561477/5	2.0	1.693627	25.0	151583.0	0.846813	Y
4	IC 480-561477/6	5.0	6.235889	25.0	144835.0	1.247178	Y
5	IC 480-561477/7	10.0	11.6186	25.0	147294.0	1.16186	Y
6	ICIS 480-561477/8	25.0	27.856838	25.0	145283.0	1.114274	Y
7	IC 480-561477/9	50.0	62.341505	25.0	143459.0	1.24683	Y
8	IC 480-561477/10	100.0	128.608406	25.0	147579.0	1.286084	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

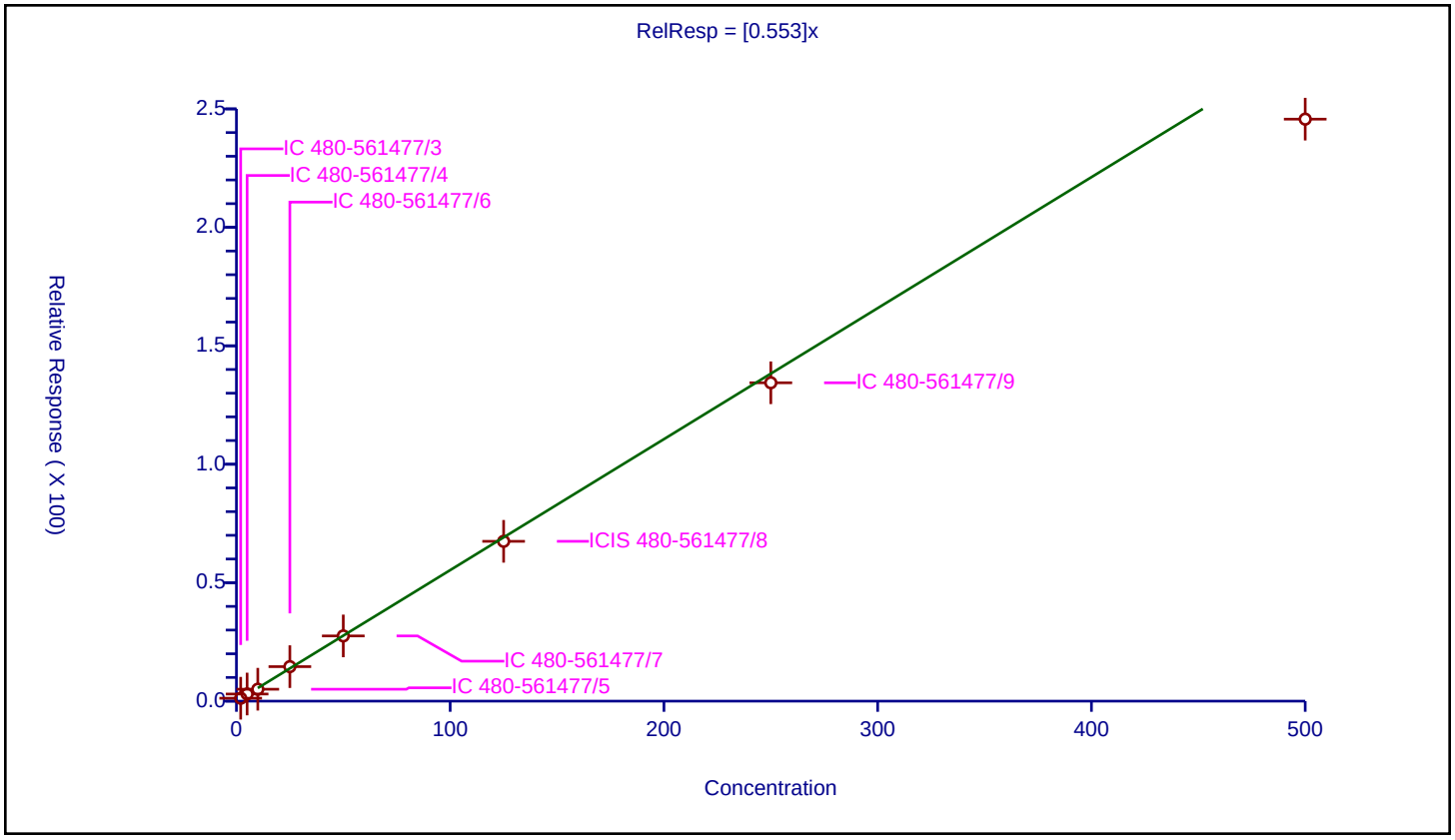
Curve Coefficients

Intercept:	0
Slope:	0.553

Error Coefficients

Standard Error:	642000
Relative Standard Error:	8.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	2.0	1.235964	25.0	149620.0	0.617982	Y
2	IC 480-561477/4	5.0	3.005044	25.0	146903.0	0.601009	Y
3	IC 480-561477/5	10.0	5.028103	25.0	151583.0	0.50281	Y
4	IC 480-561477/6	25.0	14.56882	25.0	144835.0	0.582753	Y
5	IC 480-561477/7	50.0	27.532859	25.0	147294.0	0.550657	Y
6	ICIS 480-561477/8	125.0	67.457824	25.0	145283.0	0.539663	Y
7	IC 480-561477/9	250.0	134.390836	25.0	143459.0	0.537563	Y
8	IC 480-561477/10	500.0	245.675198	25.0	147579.0	0.49135	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

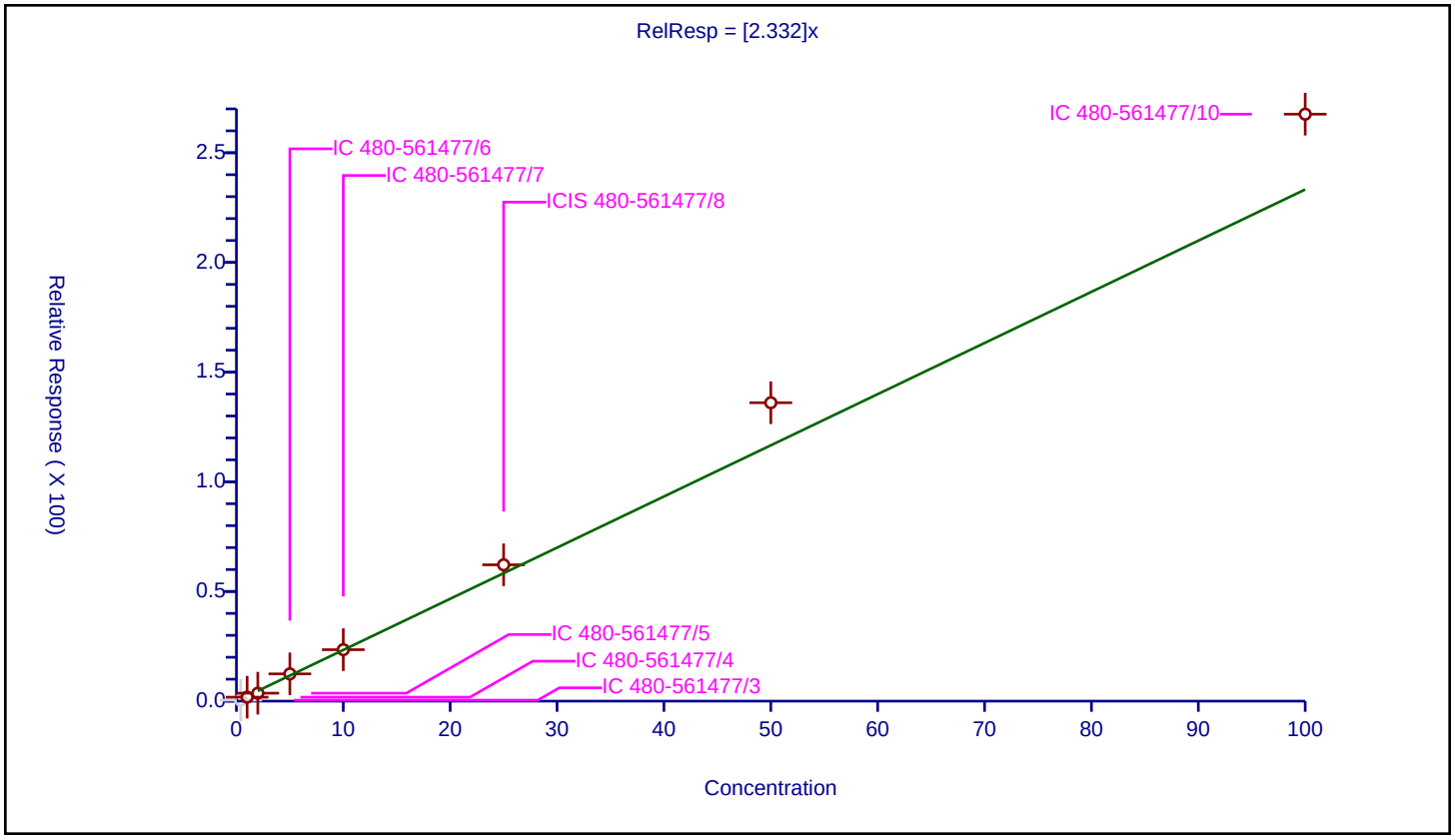
Curve Coefficients

Intercept:	0
Slope:	2.332

Error Coefficients

Standard Error:	737000
Relative Standard Error:	16.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.457826	25.0	149620.0	1.144566	N
2	IC 480-561477/4	1.0	1.804592	25.0	146903.0	1.804592	Y
3	IC 480-561477/5	2.0	3.619469	25.0	151583.0	1.809735	Y
4	IC 480-561477/6	5.0	12.425173	25.0	144835.0	2.485035	Y
5	IC 480-561477/7	10.0	23.448511	25.0	147294.0	2.344851	Y
6	ICIS 480-561477/8	25.0	62.148703	25.0	145283.0	2.485948	Y
7	IC 480-561477/9	50.0	136.051067	25.0	143459.0	2.721021	Y
8	IC 480-561477/10	100.0	267.597693	25.0	147579.0	2.675977	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

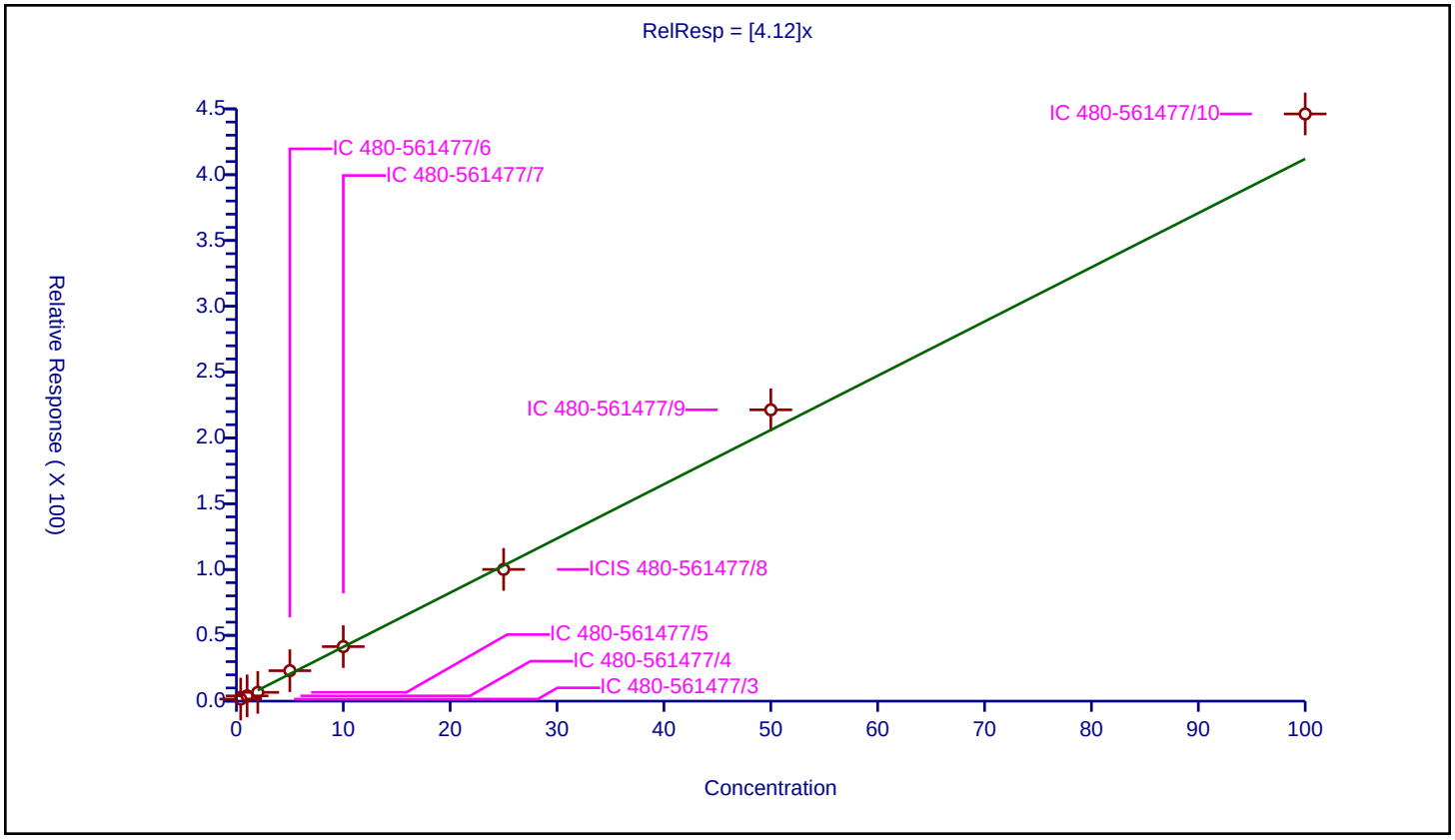
Curve Coefficients

Intercept:	0
Slope:	4.12

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	9.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	1.587355	25.0	149620.0	3.968387	Y
2	IC 480-561477/4	1.0	4.002131	25.0	146903.0	4.002131	Y
3	IC 480-561477/5	2.0	6.660377	25.0	151583.0	3.330189	Y
4	IC 480-561477/6	5.0	23.135982	25.0	144835.0	4.627196	Y
5	IC 480-561477/7	10.0	41.443643	25.0	147294.0	4.144364	Y
6	ICIS 480-561477/8	25.0	100.076231	25.0	145283.0	4.003049	Y
7	IC 480-561477/9	50.0	221.340592	25.0	143459.0	4.426812	Y
8	IC 480-561477/10	100.0	446.145454	25.0	147579.0	4.461455	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

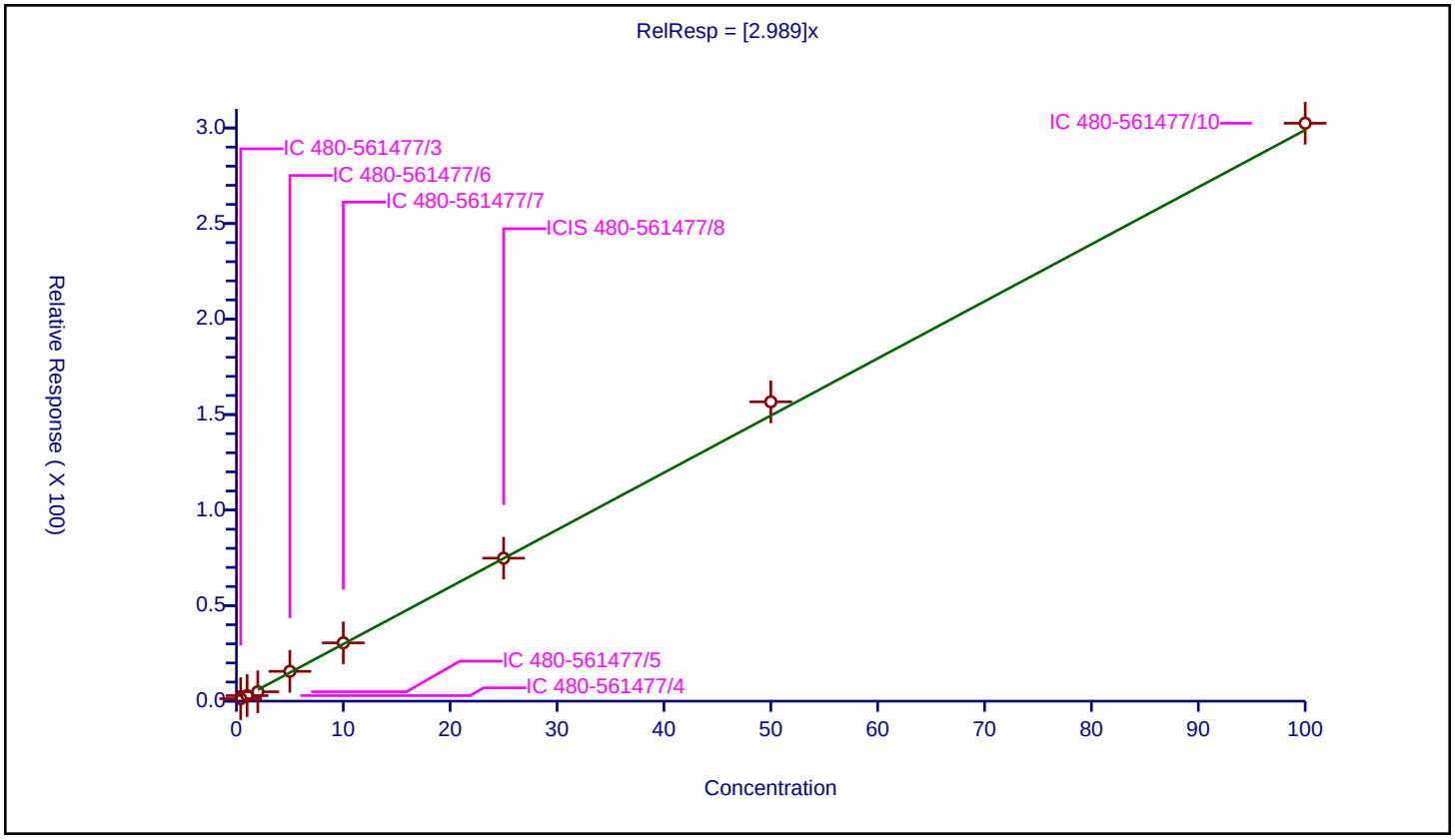
Curve Coefficients

Intercept:	0
Slope:	2.989

Error Coefficients

Standard Error:	777000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	1.296117	25.0	149620.0	3.240292	Y
2	IC 480-561477/4	1.0	2.894257	25.0	146903.0	2.894257	Y
3	IC 480-561477/5	2.0	4.914469	25.0	151583.0	2.457235	Y
4	IC 480-561477/6	5.0	15.596541	25.0	144835.0	3.119308	Y
5	IC 480-561477/7	10.0	30.510747	25.0	147294.0	3.051075	Y
6	ICIS 480-561477/8	25.0	74.833773	25.0	145283.0	2.993351	Y
7	IC 480-561477/9	50.0	156.675601	25.0	143459.0	3.133512	Y
8	IC 480-561477/10	100.0	302.490192	25.0	147579.0	3.024902	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

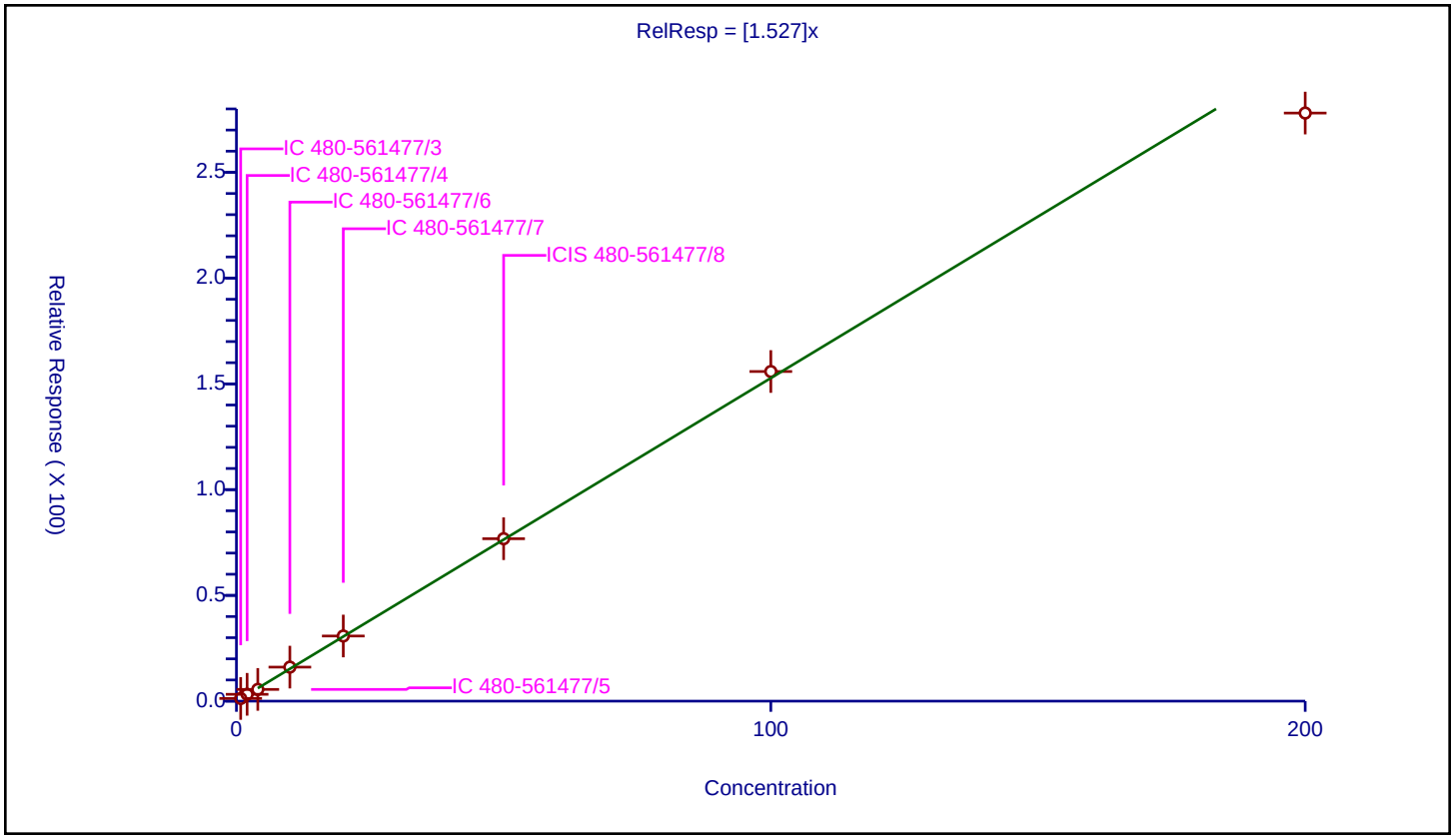
Curve Coefficients

Intercept:	0
Slope:	1.527

Error Coefficients

Standard Error:	730000
Relative Standard Error:	5.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.8	1.270385	25.0	149620.0	1.587981	Y
2	IC 480-561477/4	2.0	3.225428	25.0	146903.0	1.612714	Y
3	IC 480-561477/5	4.0	5.542508	25.0	151583.0	1.385627	Y
4	IC 480-561477/6	10.0	16.085891	25.0	144835.0	1.608589	Y
5	IC 480-561477/7	20.0	30.794873	25.0	147294.0	1.539744	Y
6	ICIS 480-561477/8	50.0	76.788406	25.0	145283.0	1.535768	Y
7	IC 480-561477/9	100.0	155.844876	25.0	143459.0	1.558449	Y
8	IC 480-561477/10	200.0	278.033799	25.0	147579.0	1.390169	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

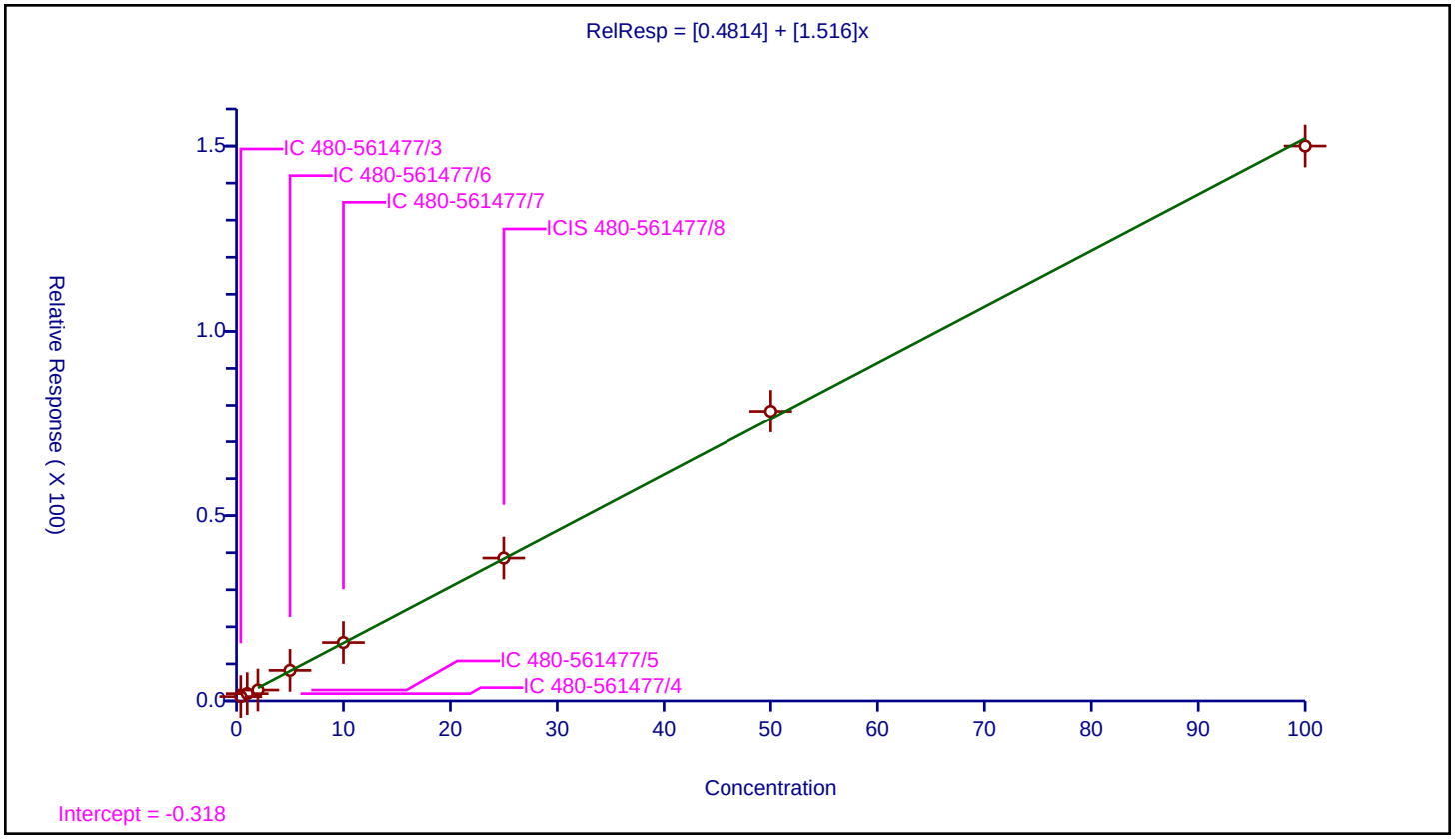
Curve Coefficients

Intercept:	0.4814
Slope:	1.516

Error Coefficients

Standard Error:	418000
Relative Standard Error:	9.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	1.175144	25.0	149620.0	2.937859	Y
2	IC 480-561477/4	1.0	1.980729	25.0	146903.0	1.980729	Y
3	IC 480-561477/5	2.0	2.952508	25.0	151583.0	1.476254	Y
4	IC 480-561477/6	5.0	8.2575	25.0	144835.0	1.6515	Y
5	IC 480-561477/7	10.0	15.760486	25.0	147294.0	1.576049	Y
6	ICIS 480-561477/8	25.0	38.57196	25.0	145283.0	1.542878	Y
7	IC 480-561477/9	50.0	78.360891	25.0	143459.0	1.567218	Y
8	IC 480-561477/10	100.0	150.006607	25.0	147579.0	1.500066	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

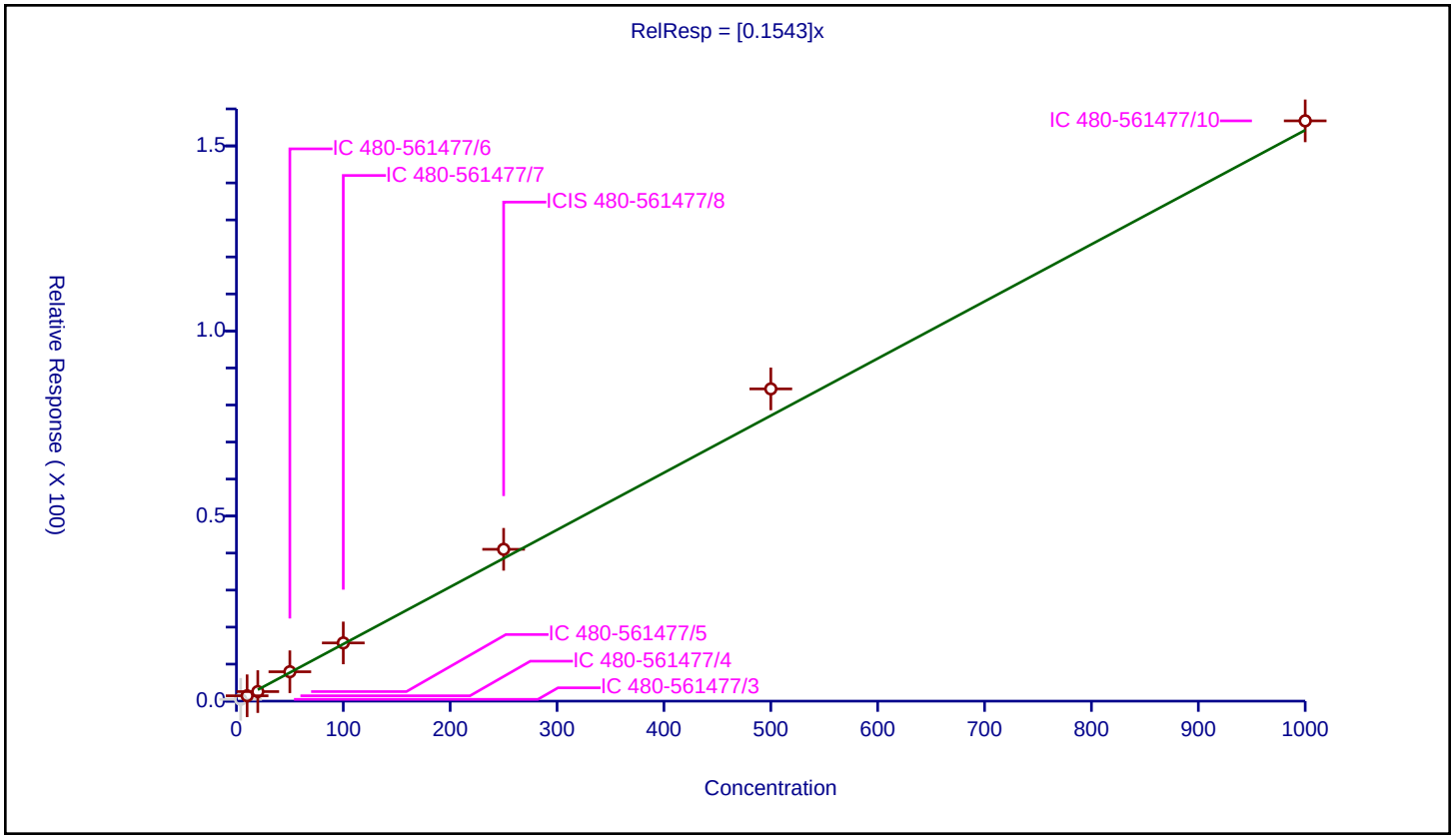
Curve Coefficients

Intercept:	0
Slope:	0.1543

Error Coefficients

Standard Error:	439000
Relative Standard Error:	8.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	4.0	0.488905	25.0	149620.0	0.122226	N
2	IC 480-561477/4	10.0	1.453	25.0	146903.0	0.1453	Y
3	IC 480-561477/5	20.0	2.577301	25.0	151583.0	0.128865	Y
4	IC 480-561477/6	50.0	7.941278	25.0	144835.0	0.158826	Y
5	IC 480-561477/7	100.0	15.727728	25.0	147294.0	0.157277	Y
6	ICIS 480-561477/8	250.0	41.018048	25.0	145283.0	0.164072	Y
7	IC 480-561477/9	500.0	84.355983	25.0	143459.0	0.168712	Y
8	IC 480-561477/10	1000.0	156.770442	25.0	147579.0	0.15677	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

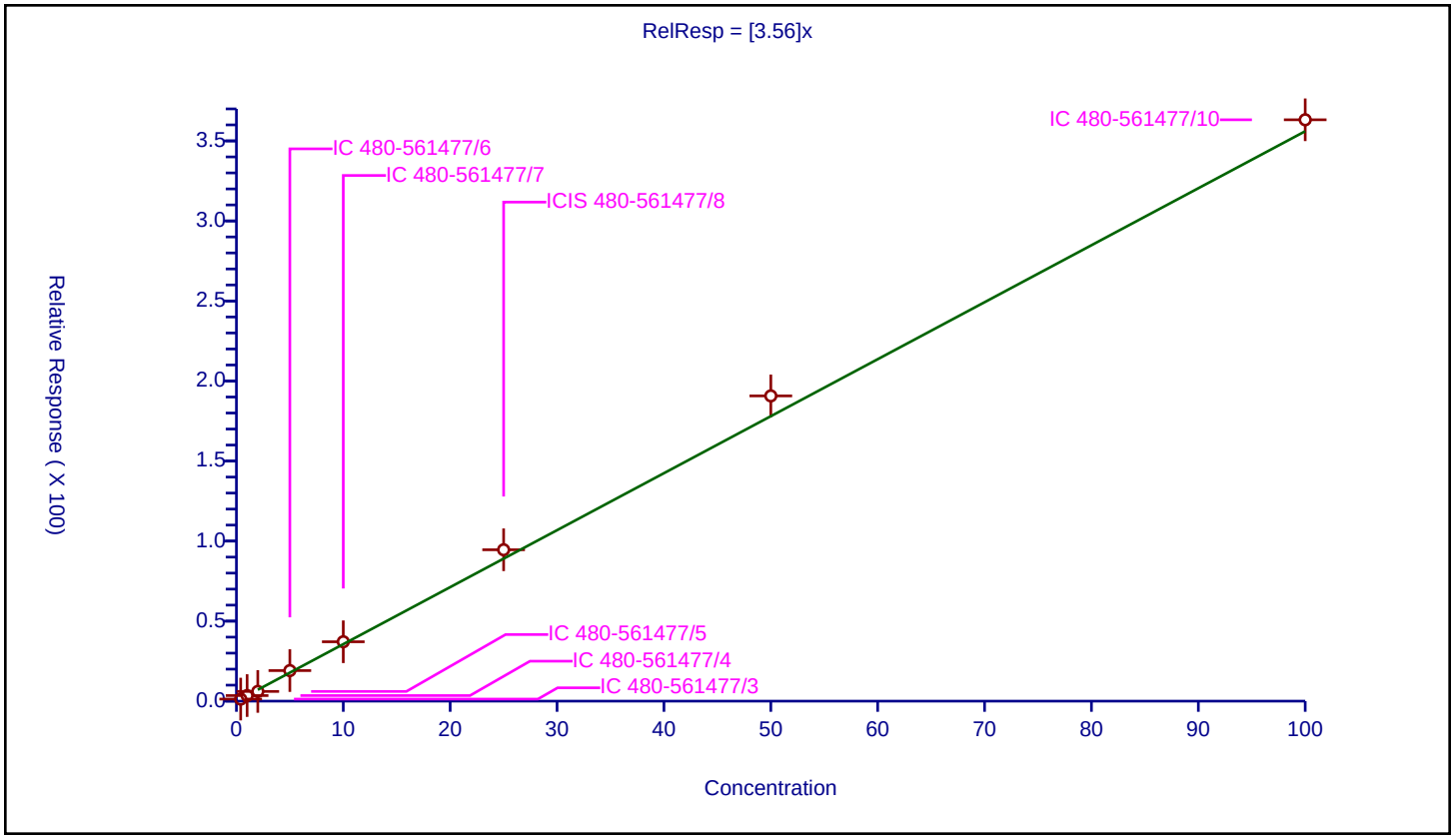
Curve Coefficients

Intercept:	0
Slope:	3.56

Error Coefficients

Standard Error:	938000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	1.282248	25.0	149620.0	3.205621	Y
2	IC 480-561477/4	1.0	3.486314	25.0	146903.0	3.486314	Y
3	IC 480-561477/5	2.0	6.068458	25.0	151583.0	3.034229	Y
4	IC 480-561477/6	5.0	19.085511	25.0	144835.0	3.817102	Y
5	IC 480-561477/7	10.0	37.09995	25.0	147294.0	3.709995	Y
6	ICIS 480-561477/8	25.0	94.573694	25.0	145283.0	3.782948	Y
7	IC 480-561477/9	50.0	190.696645	25.0	143459.0	3.813933	Y
8	IC 480-561477/10	100.0	363.190901	25.0	147579.0	3.631909	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

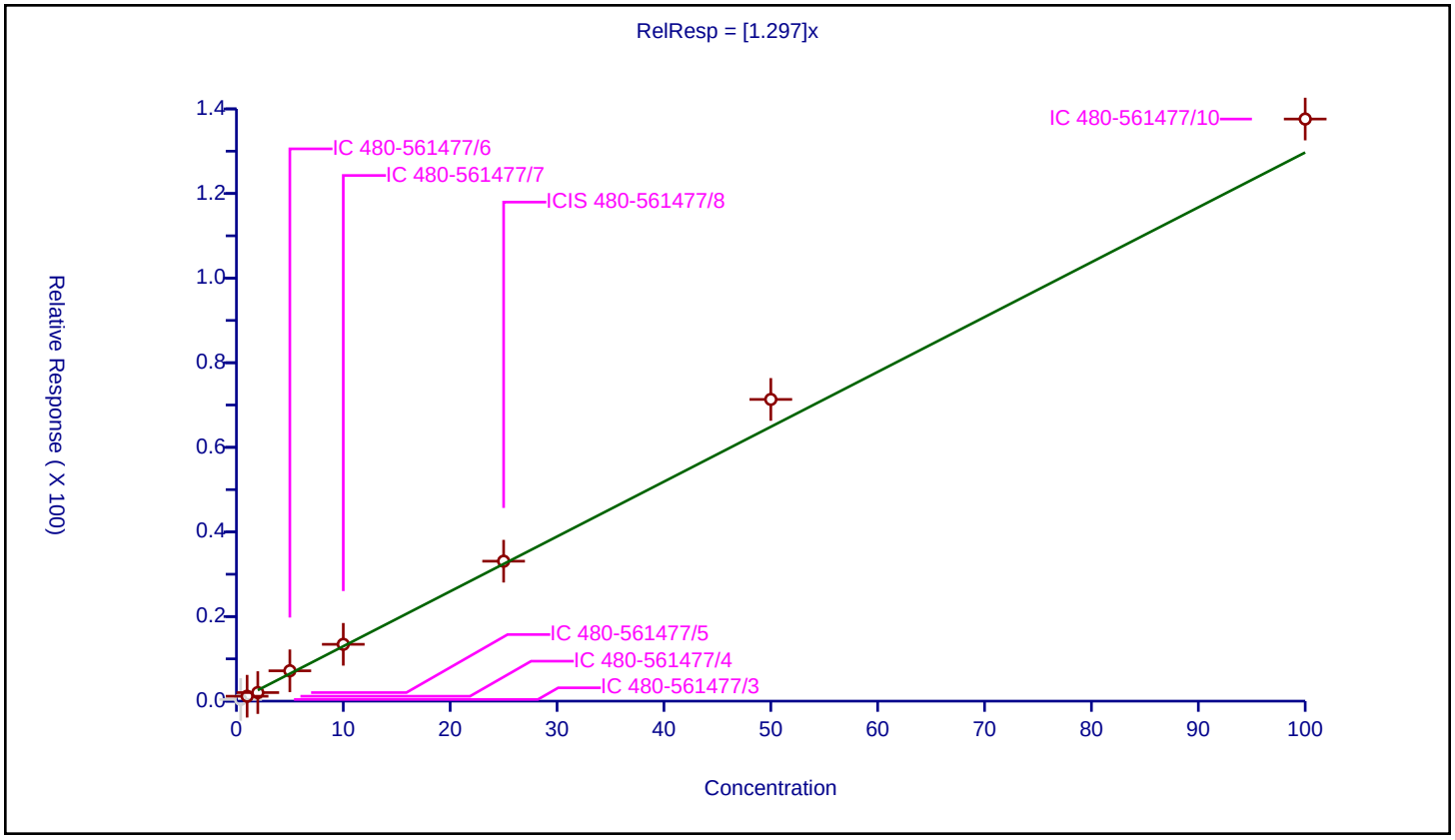
Curve Coefficients

Intercept:	0
Slope:	1.297

Error Coefficients

Standard Error:	381000
Relative Standard Error:	11.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.400515	25.0	149620.0	1.001287	N
2	IC 480-561477/4	1.0	1.163863	25.0	146903.0	1.163863	Y
3	IC 480-561477/5	2.0	2.023314	25.0	151583.0	1.011657	Y
4	IC 480-561477/6	5.0	7.171264	25.0	144835.0	1.434253	Y
5	IC 480-561477/7	10.0	13.433677	25.0	147294.0	1.343368	Y
6	ICIS 480-561477/8	25.0	33.084222	25.0	145283.0	1.323369	Y
7	IC 480-561477/9	50.0	71.322468	25.0	143459.0	1.426449	Y
8	IC 480-561477/10	100.0	137.598337	25.0	147579.0	1.375983	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

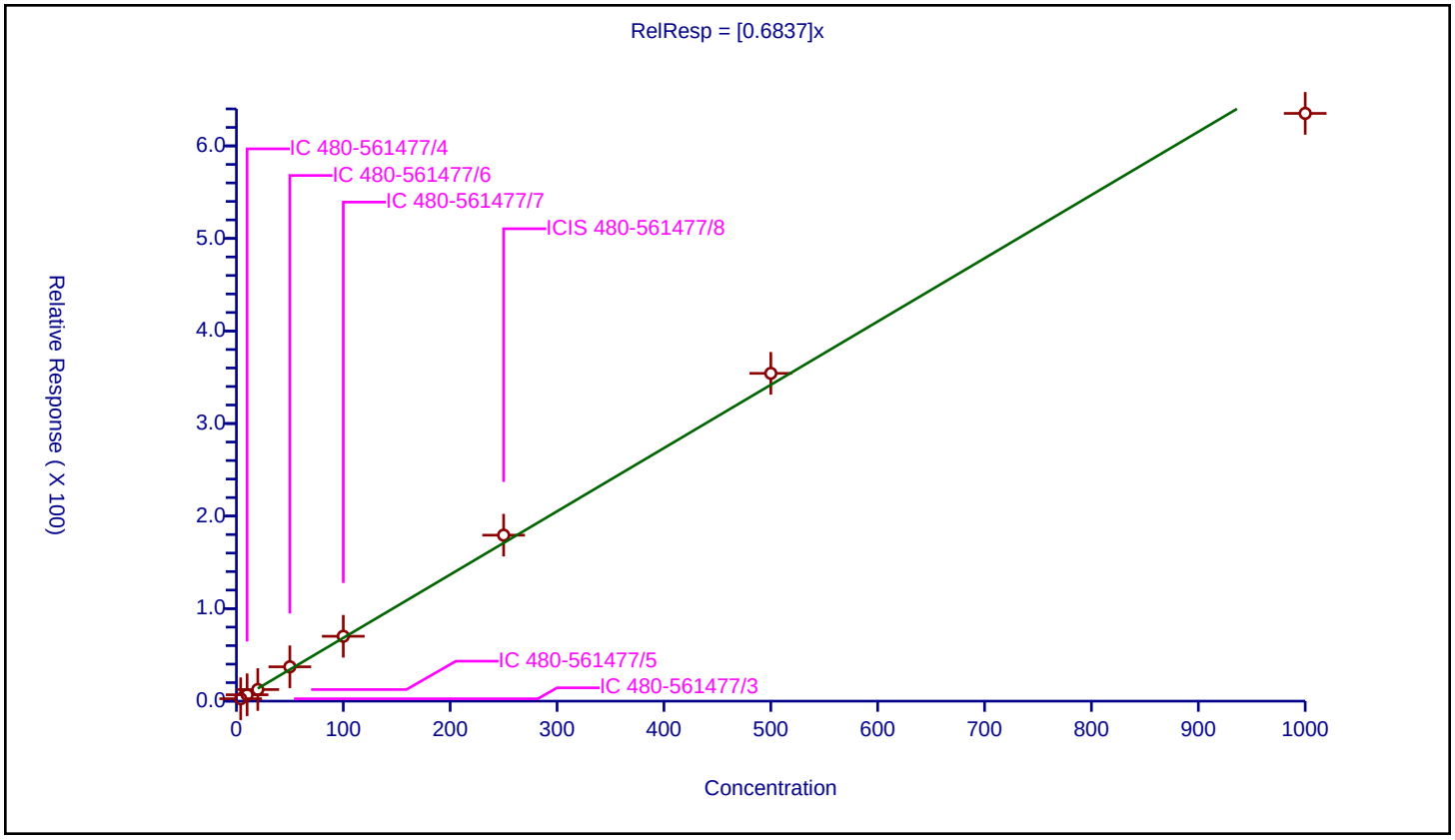
Curve Coefficients

Intercept:	0
Slope:	0.6837

Error Coefficients

Standard Error:	1670000
Relative Standard Error:	6.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	4.0	2.59357	25.0	149620.0	0.648393	Y
2	IC 480-561477/4	10.0	6.902174	25.0	146903.0	0.690217	Y
3	IC 480-561477/5	20.0	12.532903	25.0	151583.0	0.626645	Y
4	IC 480-561477/6	50.0	37.106708	25.0	144835.0	0.742134	Y
5	IC 480-561477/7	100.0	70.107065	25.0	147294.0	0.701071	Y
6	ICIS 480-561477/8	250.0	179.341871	25.0	145283.0	0.717367	Y
7	IC 480-561477/9	500.0	354.220892	25.0	143459.0	0.708442	Y
8	IC 480-561477/10	1000.0	635.127627	25.0	147579.0	0.635128	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

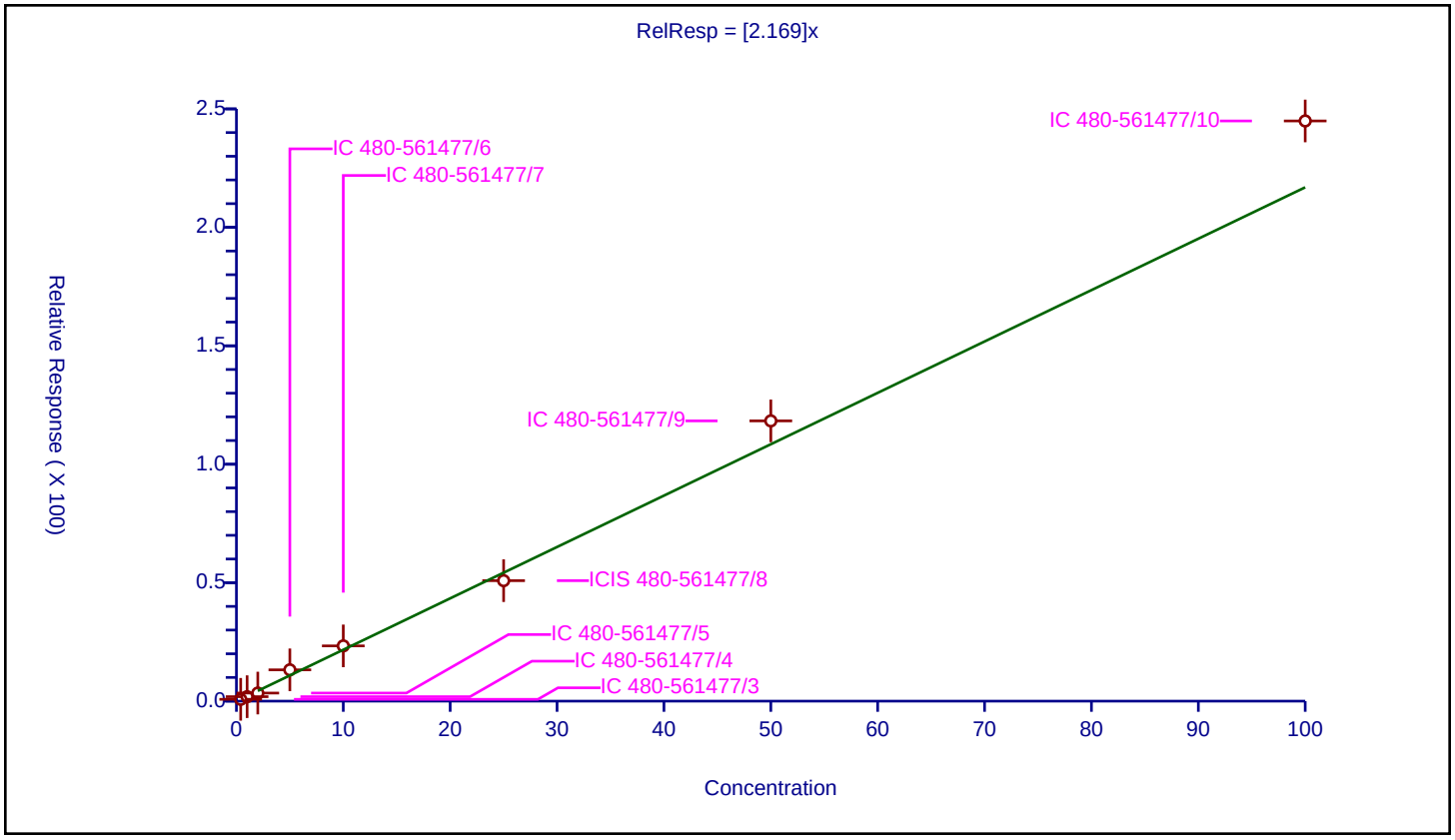
Curve Coefficients

Intercept:	0
Slope:	2.169

Error Coefficients

Standard Error:	617000
Relative Standard Error:	15.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.775632	25.0	149620.0	1.939079	Y
2	IC 480-561477/4	1.0	1.881854	25.0	146903.0	1.881854	Y
3	IC 480-561477/5	2.0	3.409023	25.0	151583.0	1.704512	Y
4	IC 480-561477/6	5.0	13.221079	25.0	144835.0	2.644216	Y
5	IC 480-561477/7	10.0	23.31782	25.0	147294.0	2.331782	Y
6	ICIS 480-561477/8	25.0	50.860218	25.0	145283.0	2.034409	Y
7	IC 480-561477/9	50.0	118.296691	25.0	143459.0	2.365934	Y
8	IC 480-561477/10	100.0	244.907812	25.0	147579.0	2.449078	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

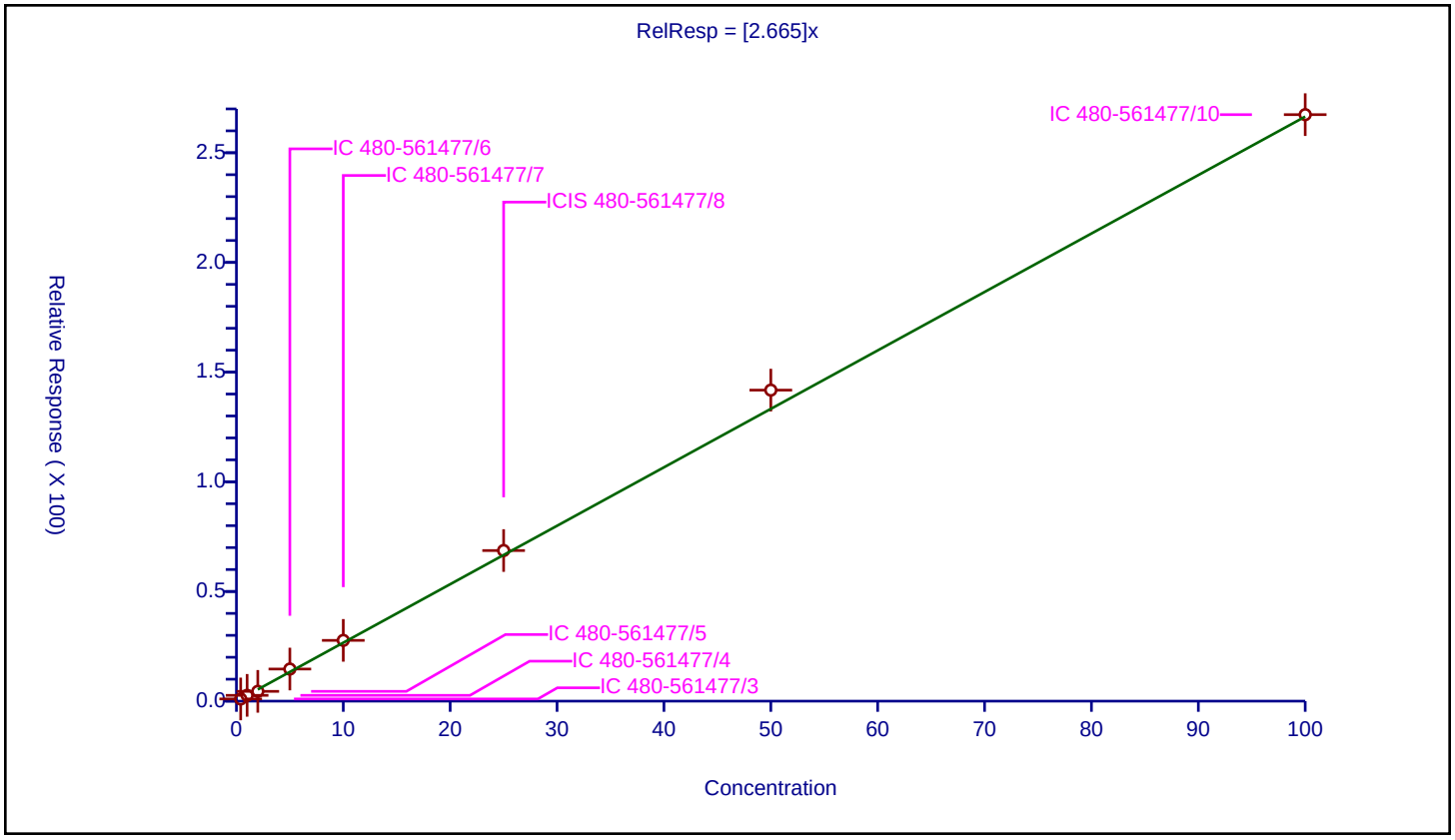
Curve Coefficients

Intercept:	0
Slope:	2.665

Error Coefficients

Standard Error:	691000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.997026	25.0	149620.0	2.492564	Y
2	IC 480-561477/4	1.0	2.641879	25.0	146903.0	2.641879	Y
3	IC 480-561477/5	2.0	4.459438	25.0	151583.0	2.229719	Y
4	IC 480-561477/6	5.0	14.636483	25.0	144835.0	2.927297	Y
5	IC 480-561477/7	10.0	27.707001	25.0	147294.0	2.7707	Y
6	ICIS 480-561477/8	25.0	68.662541	25.0	145283.0	2.746502	Y
7	IC 480-561477/9	50.0	141.785284	25.0	143459.0	2.835706	Y
8	IC 480-561477/10	100.0	267.374423	25.0	147579.0	2.673744	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

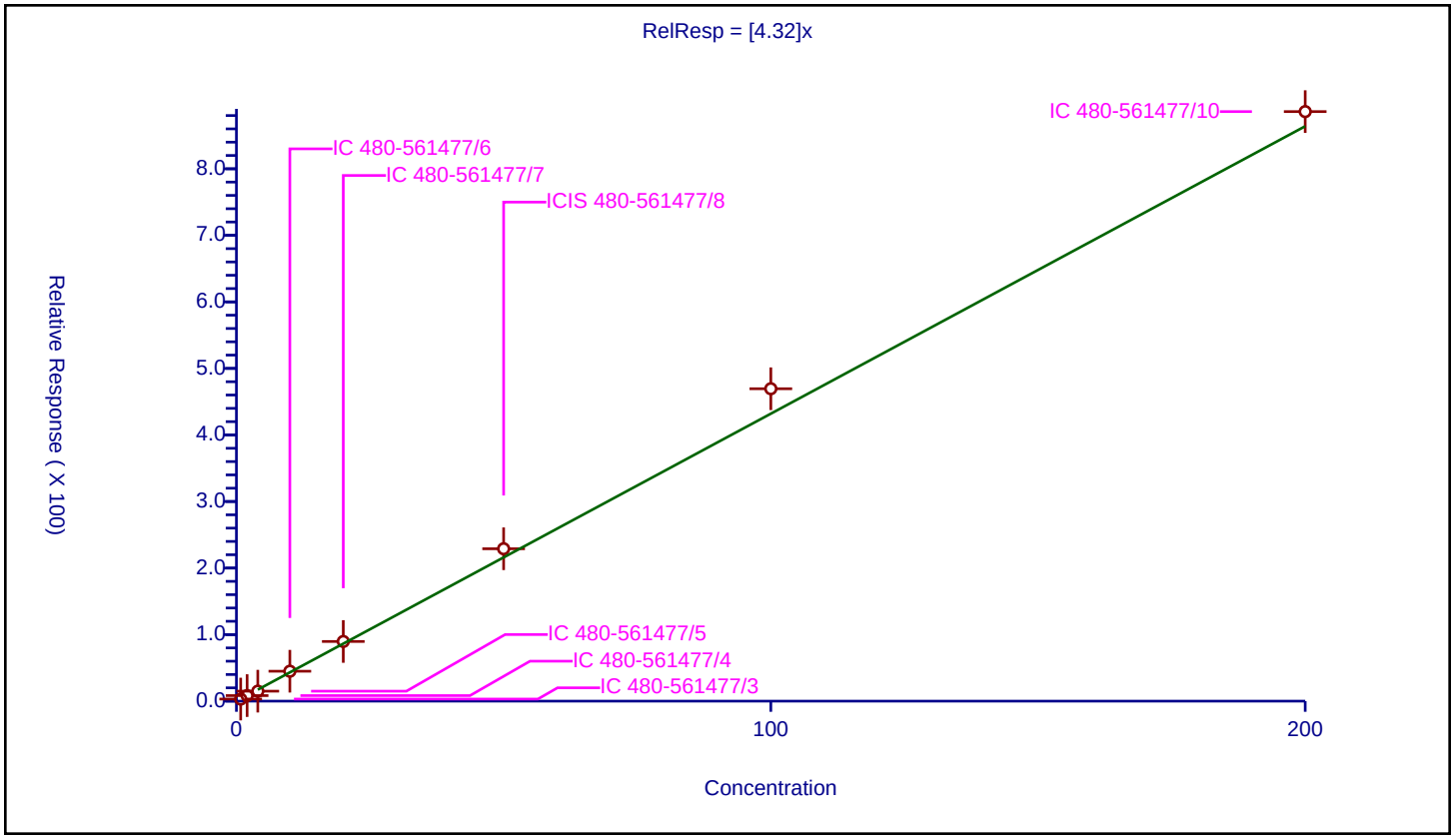
Curve Coefficients

Intercept:	0
Slope:	4.32

Error Coefficients

Standard Error:	2290000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.8	3.157666	25.0	149620.0	3.947083	Y
2	IC 480-561477/4	2.0	8.356364	25.0	146903.0	4.178182	Y
3	IC 480-561477/5	4.0	14.987499	25.0	151583.0	3.746875	Y
4	IC 480-561477/6	10.0	44.960472	25.0	144835.0	4.496047	Y
5	IC 480-561477/7	20.0	89.688141	25.0	147294.0	4.484407	Y
6	ICIS 480-561477/8	50.0	228.994789	25.0	145283.0	4.579896	Y
7	IC 480-561477/9	100.0	469.470546	25.0	143459.0	4.694705	Y
8	IC 480-561477/10	200.0	885.929401	25.0	147579.0	4.429647	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

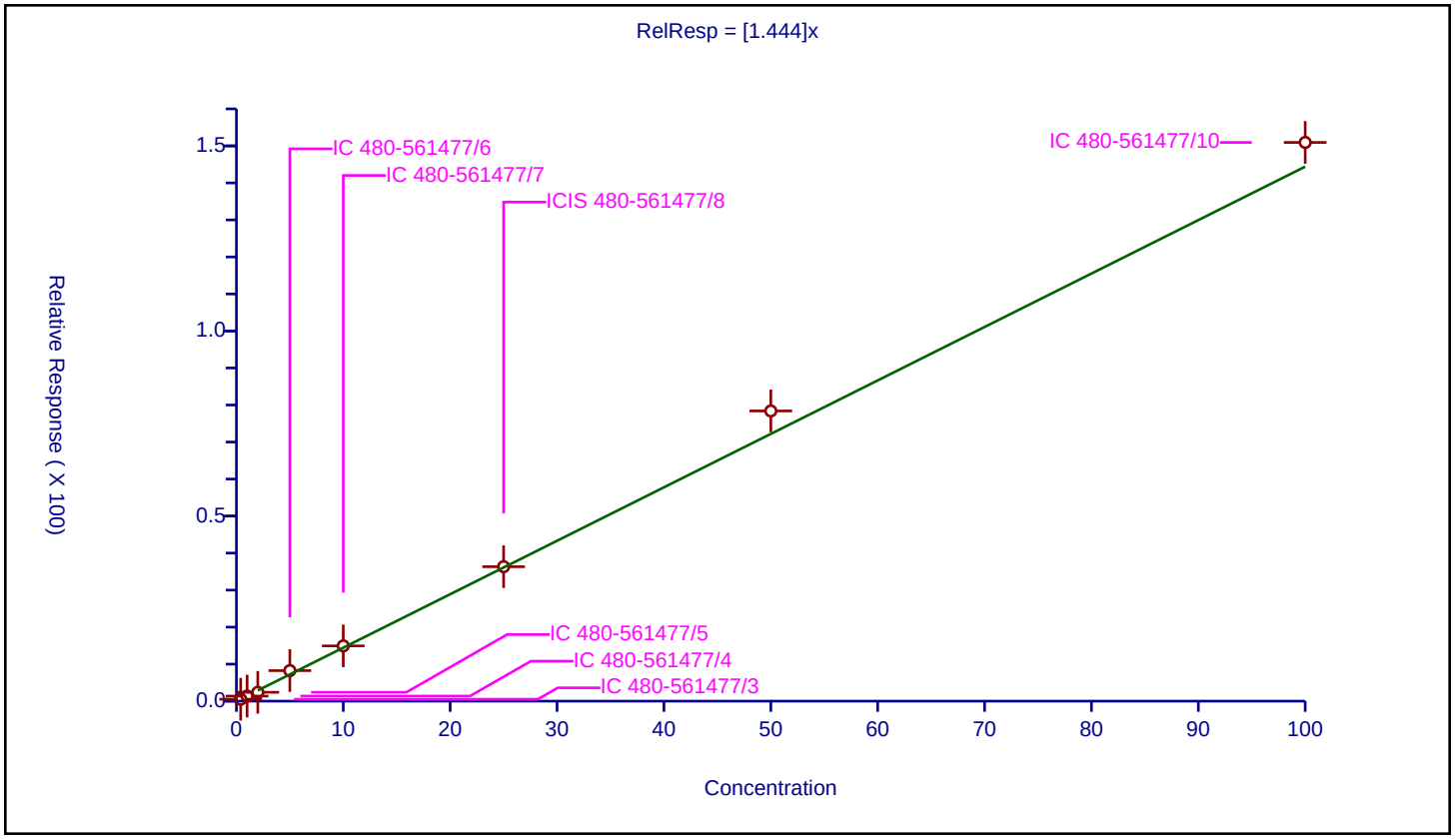
Curve Coefficients

Intercept:	0
Slope:	1.444

Error Coefficients

Standard Error:	387000
Relative Standard Error:	10.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.524997	25.0	149620.0	1.312492	Y
2	IC 480-561477/4	1.0	1.36876	25.0	146903.0	1.36876	Y
3	IC 480-561477/5	2.0	2.395387	25.0	151583.0	1.197694	Y
4	IC 480-561477/6	5.0	8.25025	25.0	144835.0	1.65005	Y
5	IC 480-561477/7	10.0	14.924063	25.0	147294.0	1.492406	Y
6	ICIS 480-561477/8	25.0	36.321696	25.0	145283.0	1.452868	Y
7	IC 480-561477/9	50.0	78.398358	25.0	143459.0	1.567967	Y
8	IC 480-561477/10	100.0	150.933737	25.0	147579.0	1.509337	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

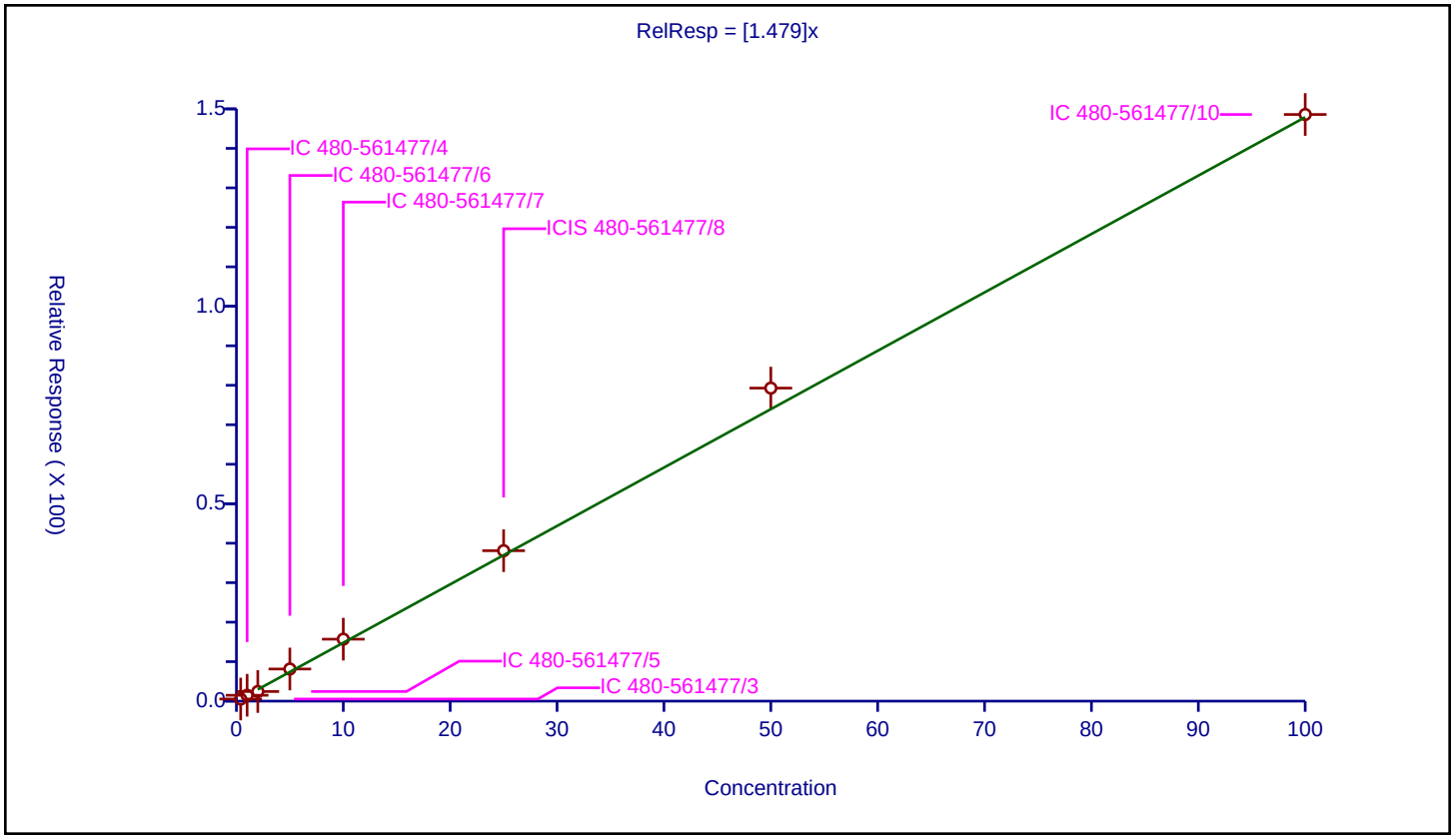
Curve Coefficients

Intercept:	0
Slope:	1.479

Error Coefficients

Standard Error:	385000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.533351	25.0	149620.0	1.333378	Y
2	IC 480-561477/4	1.0	1.484993	25.0	146903.0	1.484993	Y
3	IC 480-561477/5	2.0	2.441567	25.0	151583.0	1.220783	Y
4	IC 480-561477/6	5.0	8.137881	25.0	144835.0	1.627576	Y
5	IC 480-561477/7	10.0	15.691746	25.0	147294.0	1.569175	Y
6	ICIS 480-561477/8	25.0	38.101326	25.0	145283.0	1.524053	Y
7	IC 480-561477/9	50.0	79.284848	25.0	143459.0	1.585697	Y
8	IC 480-561477/10	100.0	148.584318	25.0	147579.0	1.485843	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

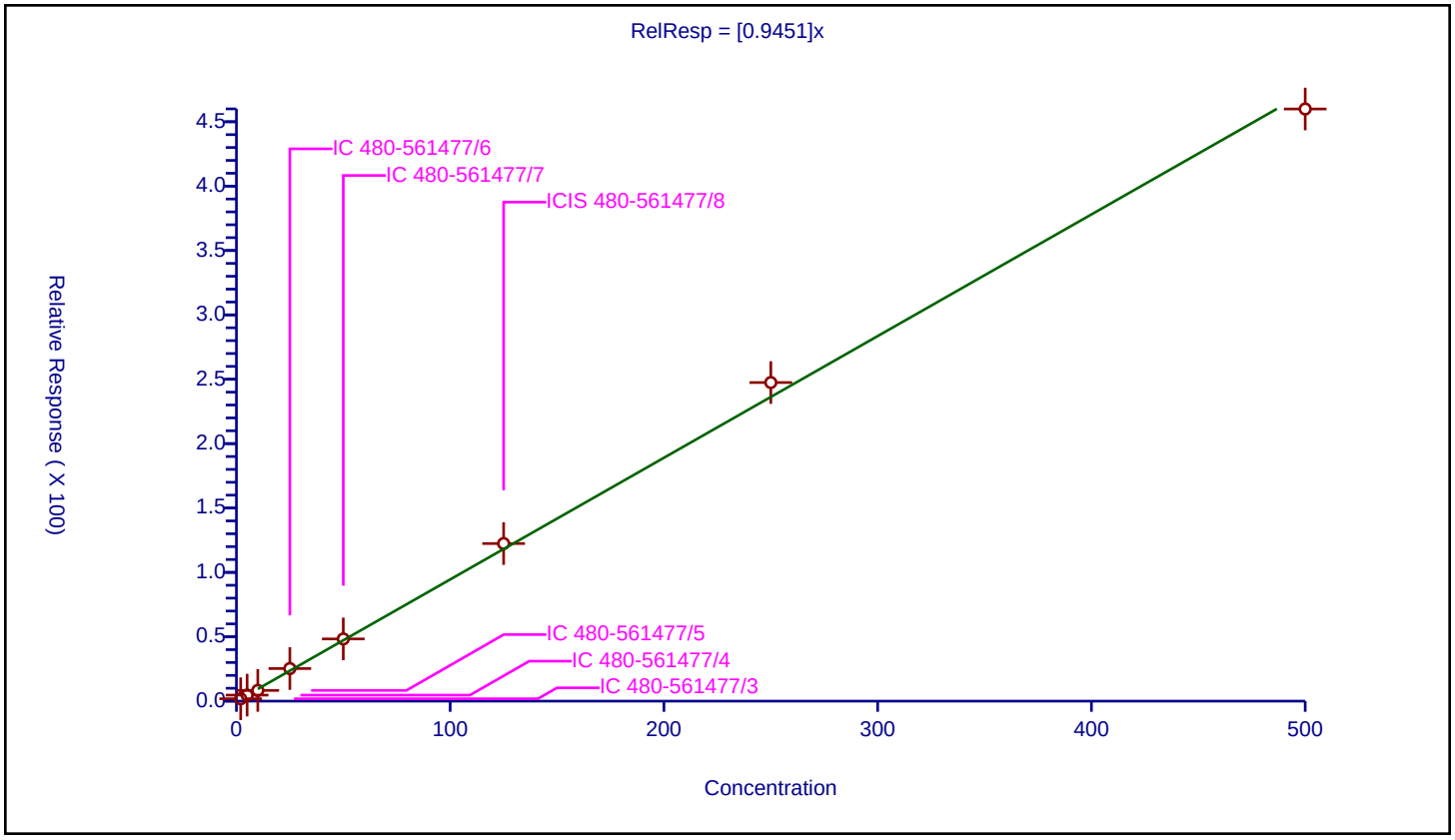
Curve Coefficients

Intercept:	0
Slope:	0.9451

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	2.0	1.849853	25.0	149620.0	0.924926	Y
2	IC 480-561477/4	5.0	4.676045	25.0	146903.0	0.935209	Y
3	IC 480-561477/5	10.0	8.334543	25.0	151583.0	0.833454	Y
4	IC 480-561477/6	25.0	25.307074	25.0	144835.0	1.012283	Y
5	IC 480-561477/7	50.0	48.304412	25.0	147294.0	0.966088	Y
6	ICIS 480-561477/8	125.0	122.405753	25.0	145283.0	0.979246	Y
7	IC 480-561477/9	250.0	247.454499	25.0	143459.0	0.989818	Y
8	IC 480-561477/10	500.0	459.916214	25.0	147579.0	0.919832	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

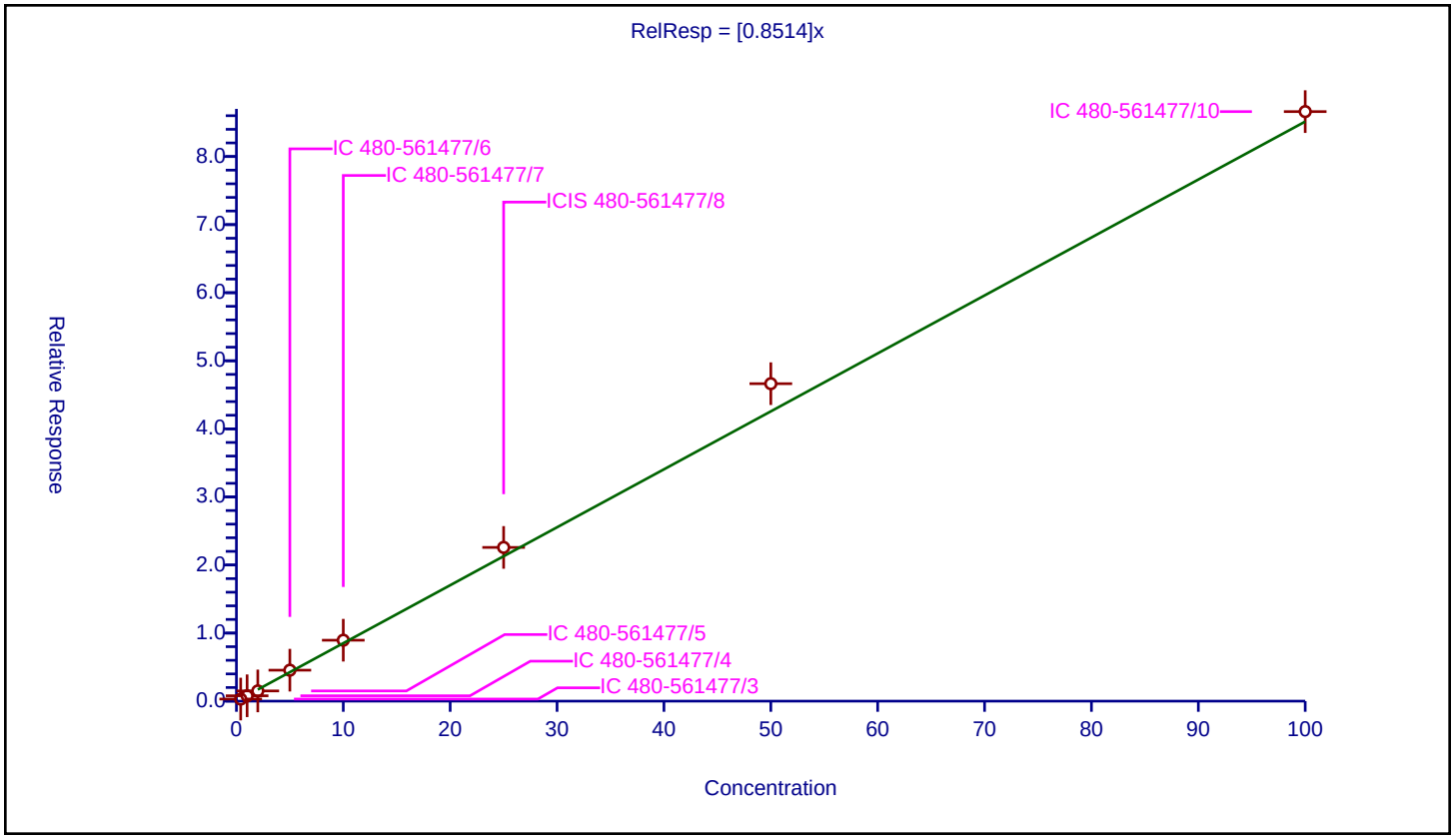
Curve Coefficients

Intercept:	0
Slope:	0.8514

Error Coefficients

Standard Error:	225000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.30661	25.0	149620.0	0.766525	Y
2	IC 480-561477/4	1.0	0.787254	25.0	146903.0	0.787254	Y
3	IC 480-561477/5	2.0	1.501323	25.0	151583.0	0.750661	Y
4	IC 480-561477/6	5.0	4.547243	25.0	144835.0	0.909449	Y
5	IC 480-561477/7	10.0	8.950636	25.0	147294.0	0.895064	Y
6	ICIS 480-561477/8	25.0	22.579207	25.0	145283.0	0.903168	Y
7	IC 480-561477/9	50.0	46.634404	25.0	143459.0	0.932688	Y
8	IC 480-561477/10	100.0	86.601075	25.0	147579.0	0.866011	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

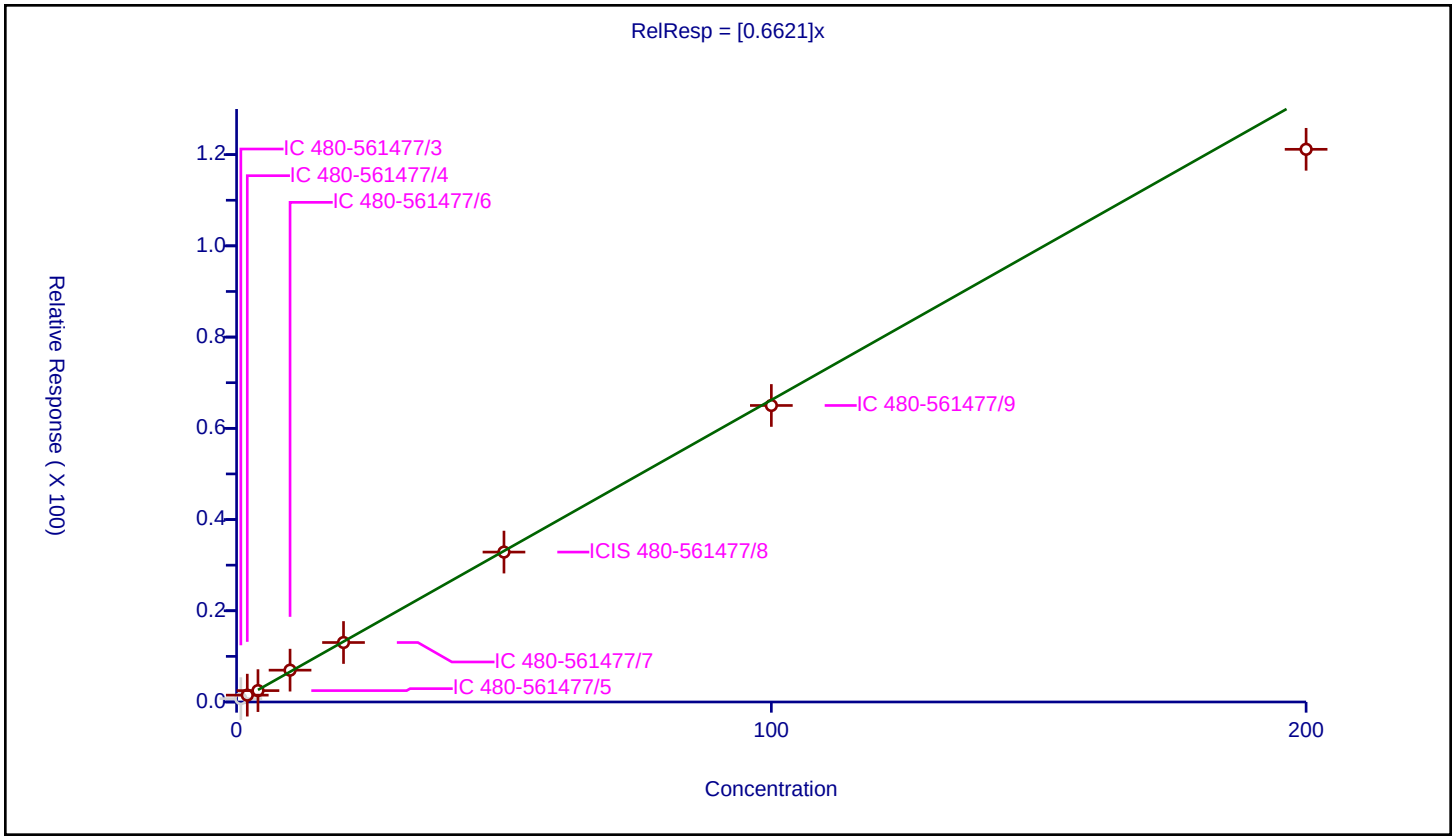
Curve Coefficients

Intercept:	0
Slope:	0.6621

Error Coefficients

Standard Error:	340000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.8	0.740376	25.0	149620.0	0.92547	N
2	IC 480-561477/4	2.0	1.497246	25.0	146903.0	0.748623	Y
3	IC 480-561477/5	4.0	2.493848	25.0	151583.0	0.623462	Y
4	IC 480-561477/6	10.0	6.974661	25.0	144835.0	0.697466	Y
5	IC 480-561477/7	20.0	13.041264	25.0	147294.0	0.652063	Y
6	ICIS 480-561477/8	50.0	32.86465	25.0	145283.0	0.657293	Y
7	IC 480-561477/9	100.0	65.006727	25.0	143459.0	0.650067	Y
8	IC 480-561477/10	200.0	121.167476	25.0	147579.0	0.605837	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

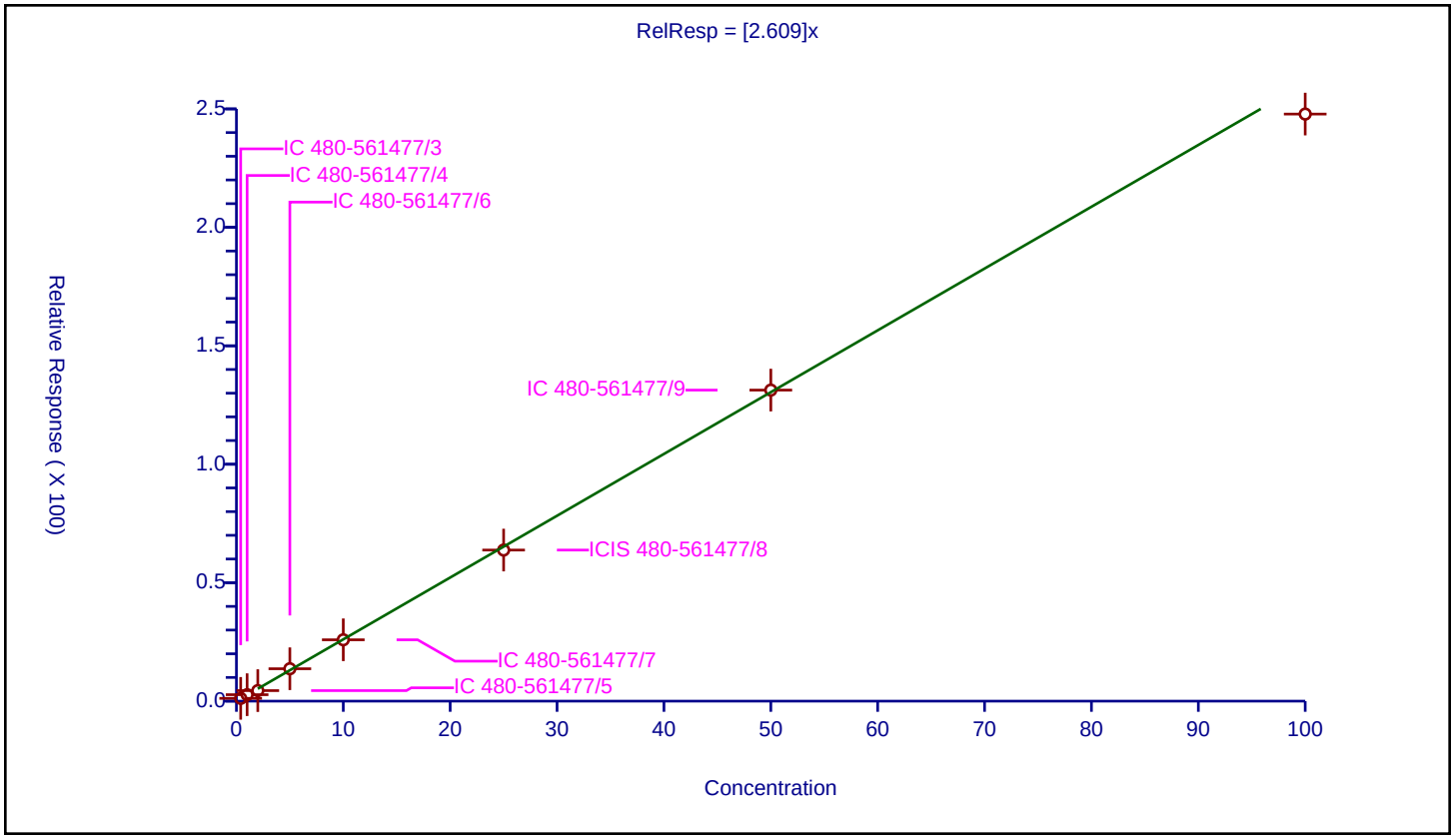
Curve Coefficients

Intercept:	0
Slope:	2.609

Error Coefficients

Standard Error:	641000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	1.177149	25.0	149620.0	2.942872	Y
2	IC 480-561477/4	1.0	2.724247	25.0	146903.0	2.724247	Y
3	IC 480-561477/5	2.0	4.441131	25.0	151583.0	2.220566	Y
4	IC 480-561477/6	5.0	13.678841	25.0	144835.0	2.735768	Y
5	IC 480-561477/7	10.0	25.896676	25.0	147294.0	2.589668	Y
6	ICIS 480-561477/8	25.0	63.778109	25.0	145283.0	2.551124	Y
7	IC 480-561477/9	50.0	131.294656	25.0	143459.0	2.625893	Y
8	IC 480-561477/10	100.0	247.822692	25.0	147579.0	2.478227	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

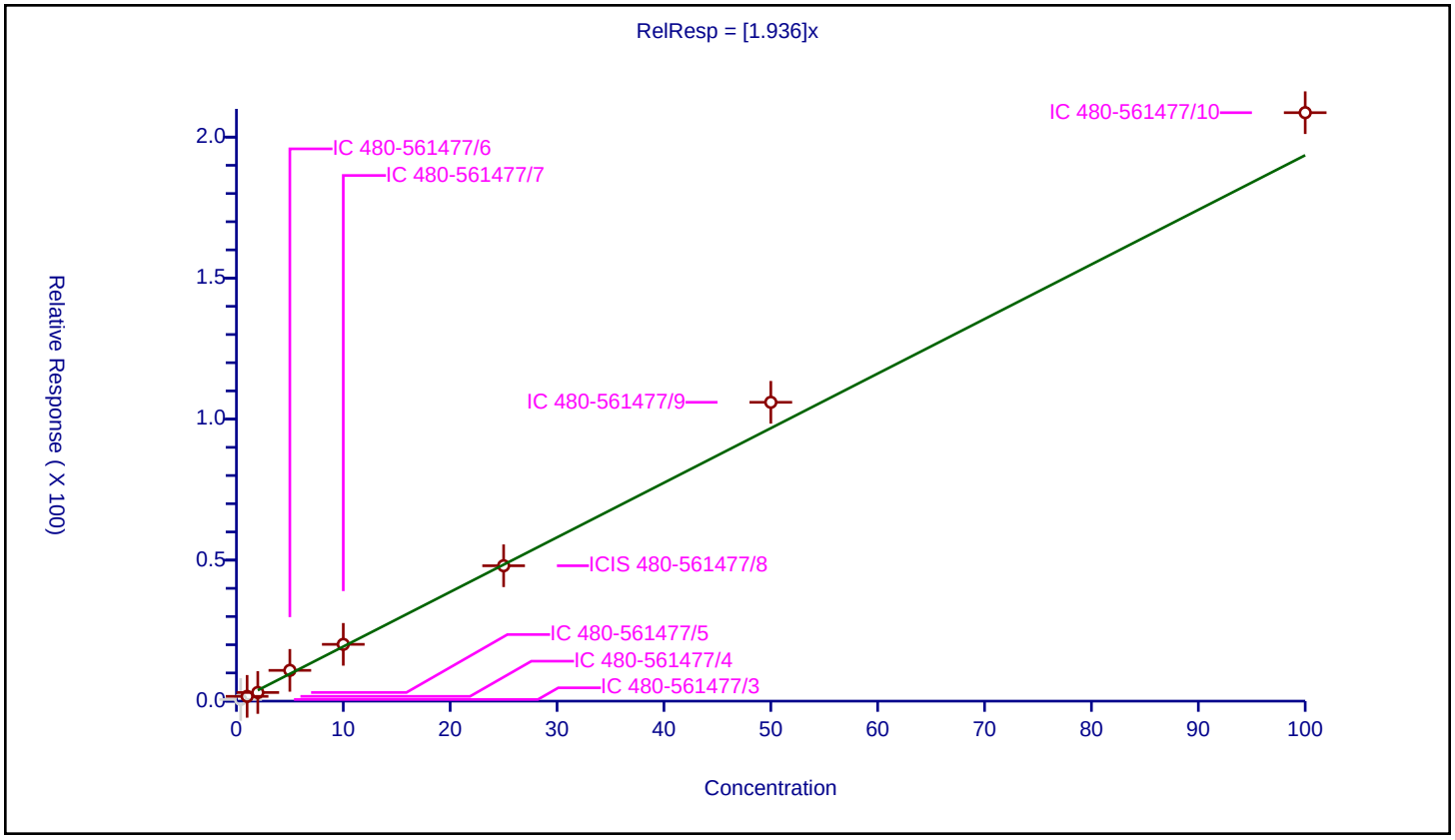
Curve Coefficients

Intercept:	0
Slope:	1.936

Error Coefficients

Standard Error:	575000
Relative Standard Error:	12.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.585817	25.0	149620.0	1.464544	N
2	IC 480-561477/4	1.0	1.692273	25.0	146903.0	1.692273	Y
3	IC 480-561477/5	2.0	3.068286	25.0	151583.0	1.534143	Y
4	IC 480-561477/6	5.0	10.91587	25.0	144835.0	2.183174	Y
5	IC 480-561477/7	10.0	20.142538	25.0	147294.0	2.014254	Y
6	ICIS 480-561477/8	25.0	48.003552	25.0	145283.0	1.920142	Y
7	IC 480-561477/9	50.0	105.961982	25.0	143459.0	2.11924	Y
8	IC 480-561477/10	100.0	208.661463	25.0	147579.0	2.086615	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

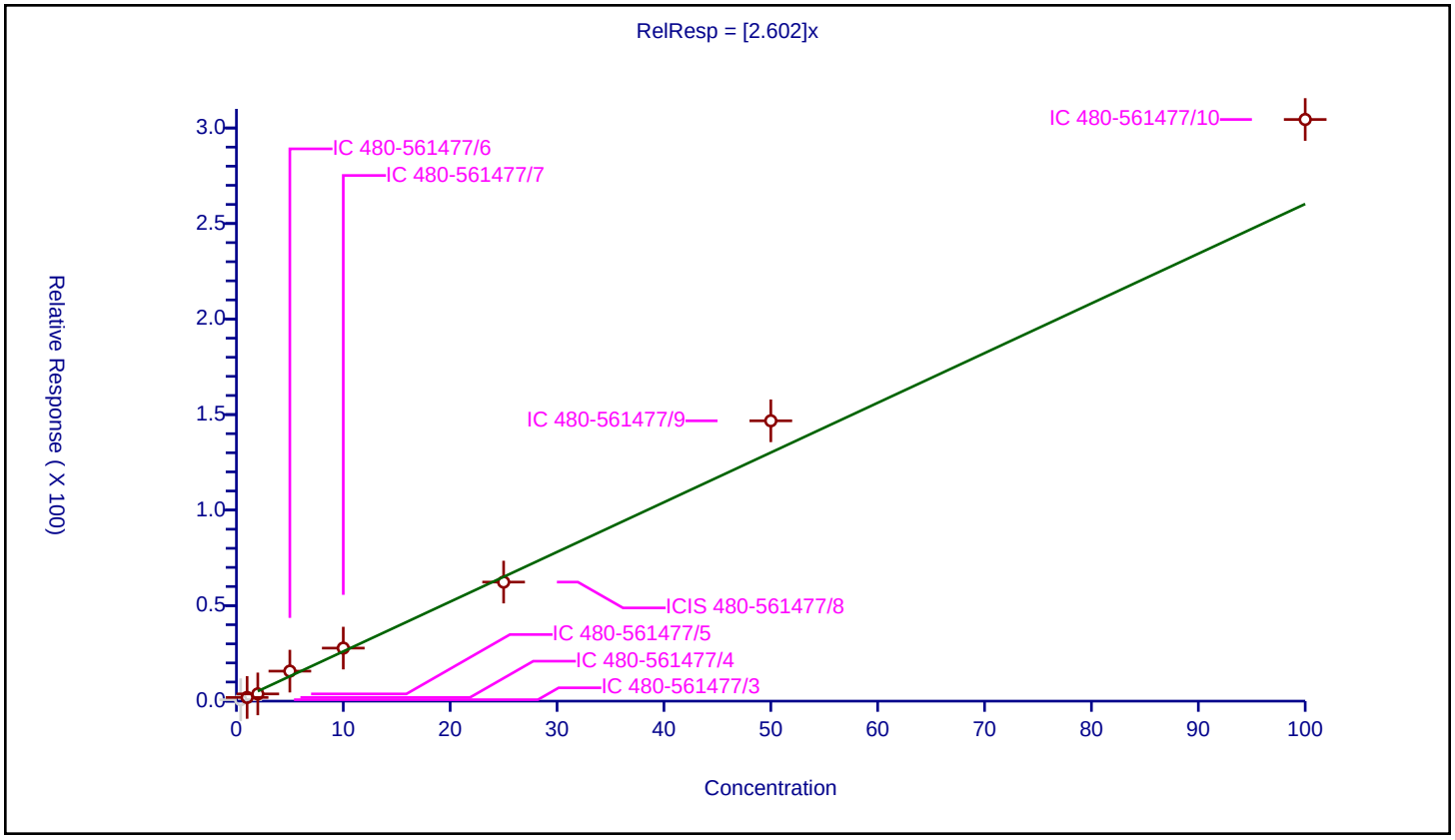
Curve Coefficients

Intercept:	0
Slope:	2.602

Error Coefficients

Standard Error:	827000
Relative Standard Error:	19.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.755581	25.0	149620.0	1.888952	N
2	IC 480-561477/4	1.0	1.93461	25.0	146903.0	1.93461	Y
3	IC 480-561477/5	2.0	3.786374	25.0	151583.0	1.893187	Y
4	IC 480-561477/6	5.0	15.703732	25.0	144835.0	3.140746	Y
5	IC 480-561477/7	10.0	27.75741	25.0	147294.0	2.775741	Y
6	ICIS 480-561477/8	25.0	62.327492	25.0	145283.0	2.4931	Y
7	IC 480-561477/9	50.0	146.730948	25.0	143459.0	2.934619	Y
8	IC 480-561477/10	100.0	304.445077	25.0	147579.0	3.044451	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

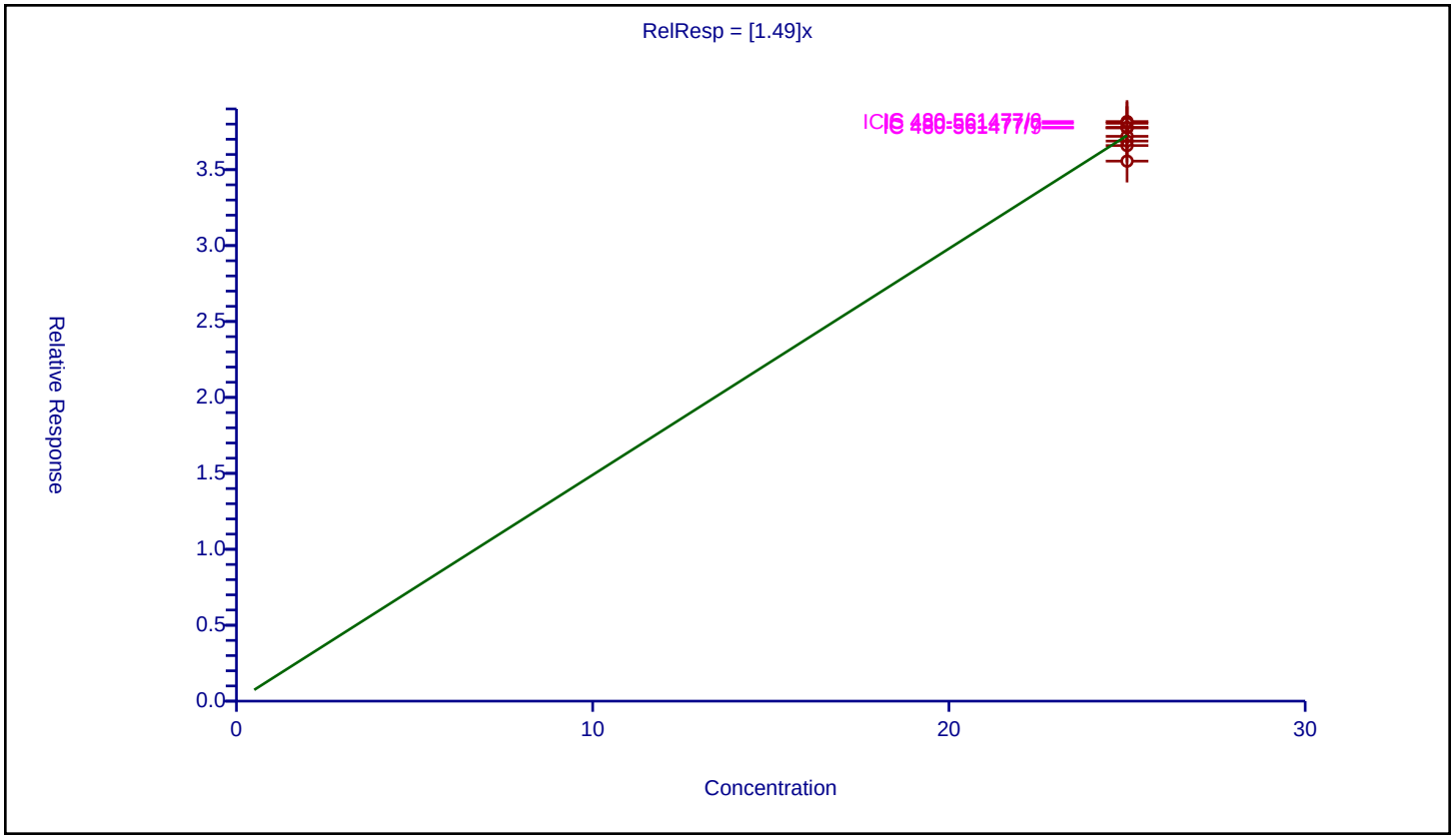
Curve Coefficients

Intercept:	0
Slope:	1.49

Error Coefficients

Standard Error:	234000
Relative Standard Error:	2.4
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	25.0	36.8816	25.0	149620.0	1.475264	Y
2	IC 480-561477/4	25.0	37.192739	25.0	146903.0	1.48771	Y
3	IC 480-561477/5	25.0	36.587051	25.0	151583.0	1.463482	Y
4	IC 480-561477/6	25.0	38.166534	25.0	144835.0	1.526661	Y
5	IC 480-561477/7	25.0	37.784974	25.0	147294.0	1.511399	Y
6	ICIS 480-561477/8	25.0	38.053317	25.0	145283.0	1.522133	Y
7	IC 480-561477/9	25.0	37.74615	25.0	143459.0	1.509846	Y
8	IC 480-561477/10	25.0	35.562309	25.0	147579.0	1.422492	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

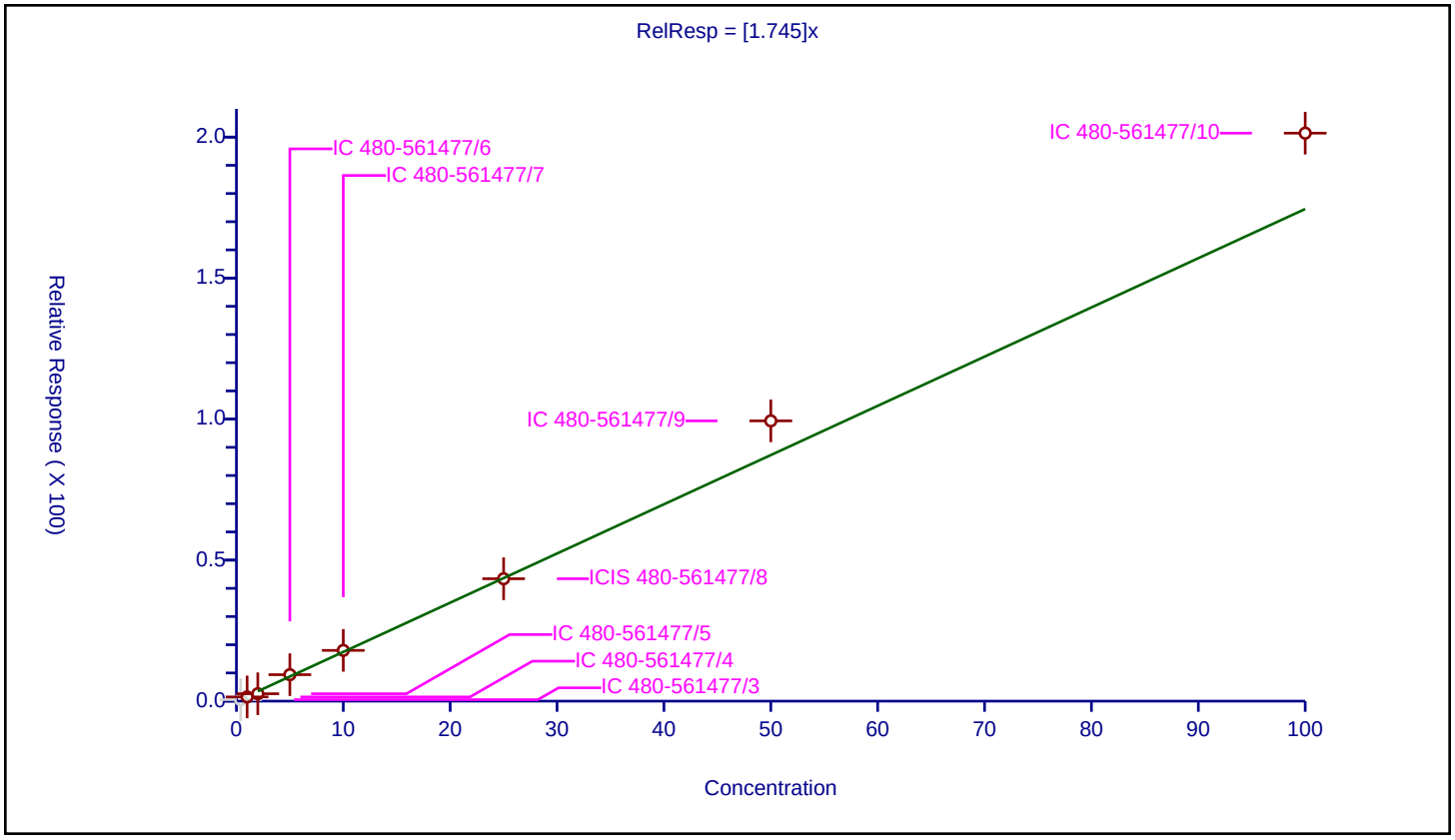
Curve Coefficients

Intercept:	0
Slope:	1.745

Error Coefficients

Standard Error:	550000
Relative Standard Error:	14.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.526835	25.0	149620.0	1.317087	N
2	IC 480-561477/4	1.0	1.492141	25.0	146903.0	1.492141	Y
3	IC 480-561477/5	2.0	2.619852	25.0	151583.0	1.309926	Y
4	IC 480-561477/6	5.0	9.381883	25.0	144835.0	1.876377	Y
5	IC 480-561477/7	10.0	17.992077	25.0	147294.0	1.799208	Y
6	ICIS 480-561477/8	25.0	43.399606	25.0	145283.0	1.735984	Y
7	IC 480-561477/9	50.0	99.383448	25.0	143459.0	1.987669	Y
8	IC 480-561477/10	100.0	201.398912	25.0	147579.0	2.013989	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

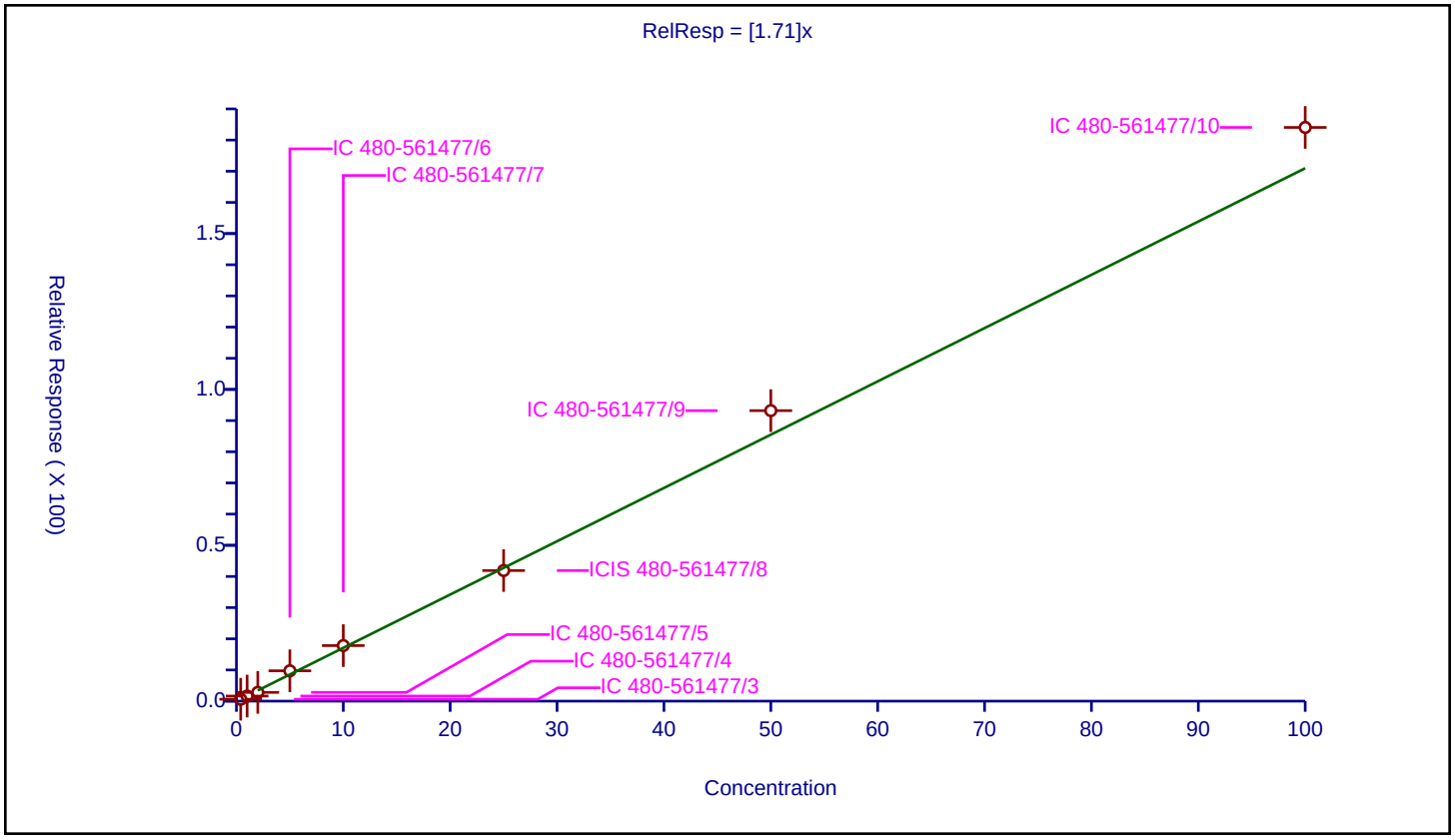
Curve Coefficients

Intercept:	0
Slope:	1.71

Error Coefficients

Standard Error:	469000
Relative Standard Error:	10.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.614891	25.0	149620.0	1.537228	Y
2	IC 480-561477/4	1.0	1.625903	25.0	146903.0	1.625903	Y
3	IC 480-561477/5	2.0	2.810342	25.0	151583.0	1.405171	Y
4	IC 480-561477/6	5.0	9.733145	25.0	144835.0	1.946629	Y
5	IC 480-561477/7	10.0	17.817936	25.0	147294.0	1.781794	Y
6	ICIS 480-561477/8	25.0	41.896333	25.0	145283.0	1.675853	Y
7	IC 480-561477/9	50.0	93.200845	25.0	143459.0	1.864017	Y
8	IC 480-561477/10	100.0	184.049729	25.0	147579.0	1.840497	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

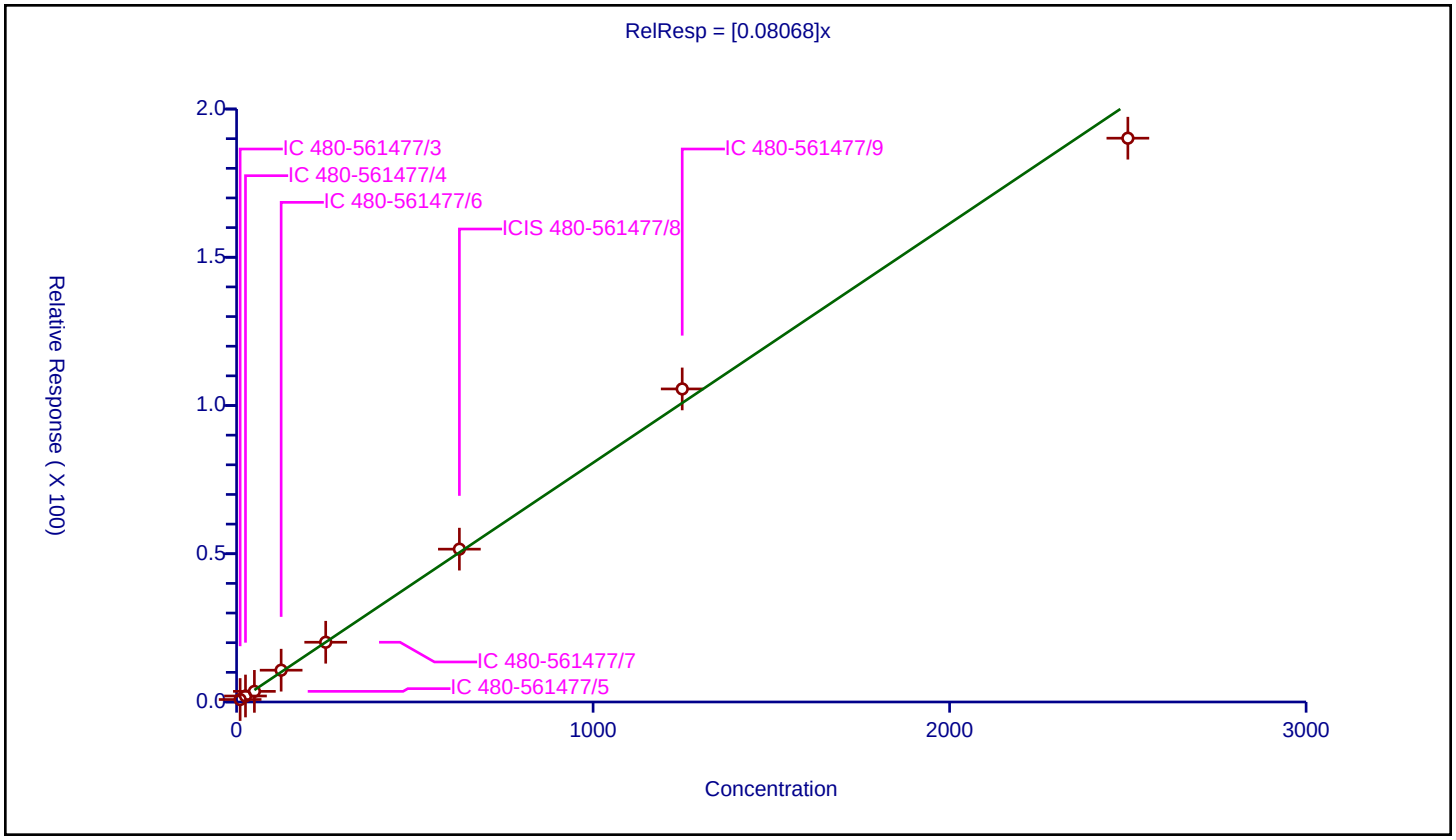
Curve Coefficients

Intercept:	0
Slope:	0.08068

Error Coefficients

Standard Error:	498000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	10.0	0.835784	25.0	149620.0	0.083578	Y
2	IC 480-561477/4	25.0	2.018679	25.0	146903.0	0.080747	Y
3	IC 480-561477/5	50.0	3.585329	25.0	151583.0	0.071707	Y
4	IC 480-561477/6	125.0	10.72876	25.0	144835.0	0.08583	Y
5	IC 480-561477/7	250.0	20.148309	25.0	147294.0	0.080593	Y
6	ICIS 480-561477/8	625.0	51.551111	25.0	145283.0	0.082482	Y
7	IC 480-561477/9	1250.0	105.588531	25.0	143459.0	0.084471	Y
8	IC 480-561477/10	2500.0	190.156797	25.0	147579.0	0.076063	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

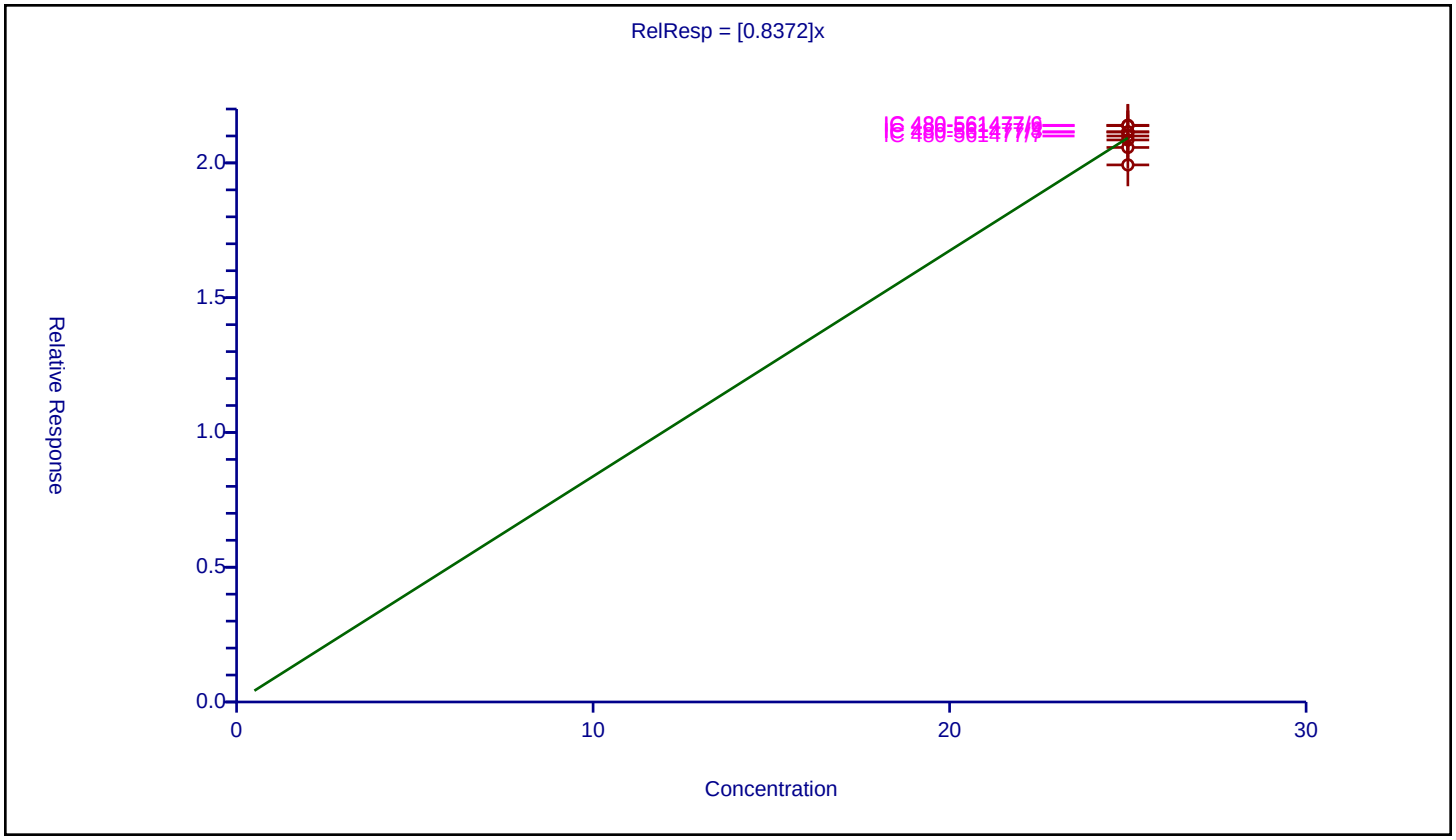
Curve Coefficients

Intercept:	0
Slope:	0.8372

Error Coefficients

Standard Error:	132000
Relative Standard Error:	2.3
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	25.0	21.151083	25.0	149620.0	0.846043	Y
2	IC 480-561477/4	25.0	21.150351	25.0	146903.0	0.846014	Y
3	IC 480-561477/5	25.0	20.572887	25.0	151583.0	0.822915	Y
4	IC 480-561477/6	25.0	21.396762	25.0	144835.0	0.85587	Y
5	IC 480-561477/7	25.0	20.998649	25.0	147294.0	0.839946	Y
6	ICIS 480-561477/8	25.0	20.852749	25.0	145283.0	0.83411	Y
7	IC 480-561477/9	25.0	21.38137	25.0	143459.0	0.855255	Y
8	IC 480-561477/10	25.0	19.926277	25.0	147579.0	0.797051	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

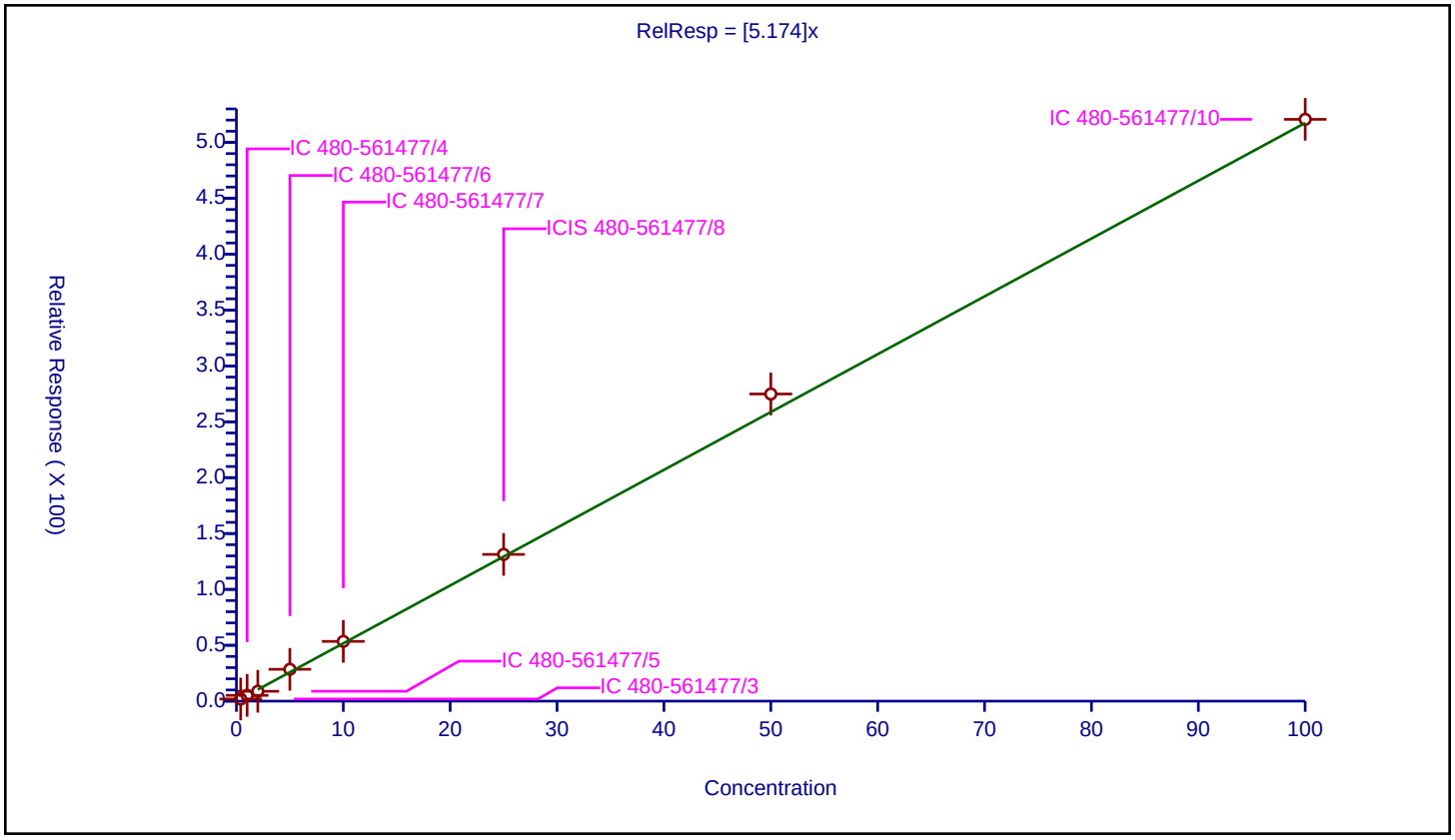
Curve Coefficients

Intercept:	0
Slope:	5.174

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	1.913681	25.0	149620.0	4.784203	Y
2	IC 480-561477/4	1.0	5.195605	25.0	146903.0	5.195605	Y
3	IC 480-561477/5	2.0	8.827672	25.0	151583.0	4.413836	Y
4	IC 480-561477/6	5.0	28.487417	25.0	144835.0	5.697483	Y
5	IC 480-561477/7	10.0	53.465518	25.0	147294.0	5.346552	Y
6	ICIS 480-561477/8	25.0	131.328855	25.0	145283.0	5.253154	Y
7	IC 480-561477/9	50.0	274.8754	25.0	143459.0	5.497508	Y
8	IC 480-561477/10	100.0	520.657919	25.0	147579.0	5.206579	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

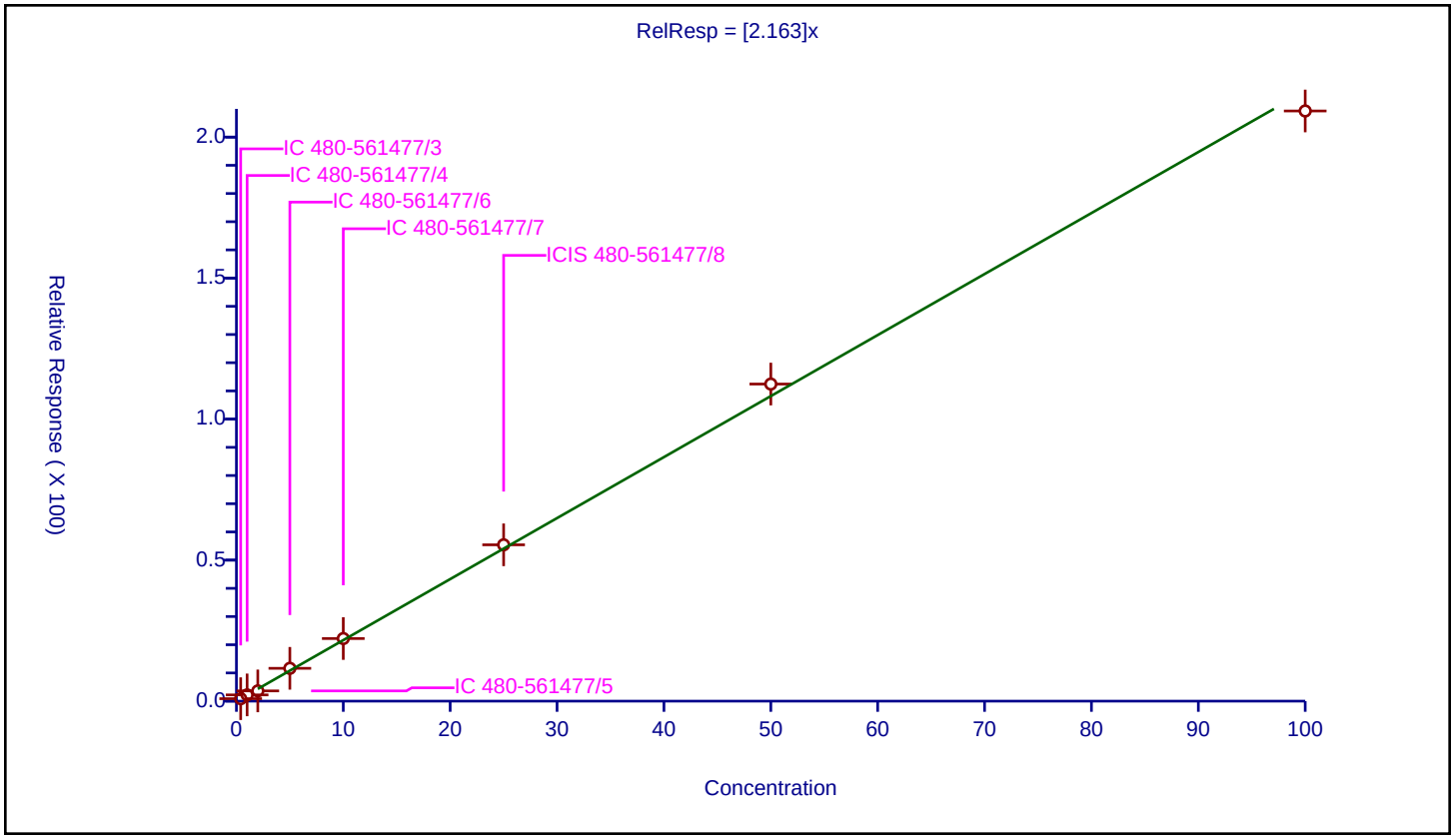
Curve Coefficients

Intercept:	0
Slope:	2.163

Error Coefficients

Standard Error:	543000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.870873	25.0	149620.0	2.177182	Y
2	IC 480-561477/4	1.0	2.210302	25.0	146903.0	2.210302	Y
3	IC 480-561477/5	2.0	3.626891	25.0	151583.0	1.813445	Y
4	IC 480-561477/6	5.0	11.639797	25.0	144835.0	2.327959	Y
5	IC 480-561477/7	10.0	22.195914	25.0	147294.0	2.219591	Y
6	ICIS 480-561477/8	25.0	55.426822	25.0	145283.0	2.217073	Y
7	IC 480-561477/9	50.0	112.43526	25.0	143459.0	2.248705	Y
8	IC 480-561477/10	100.0	209.265377	25.0	147579.0	2.092654	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

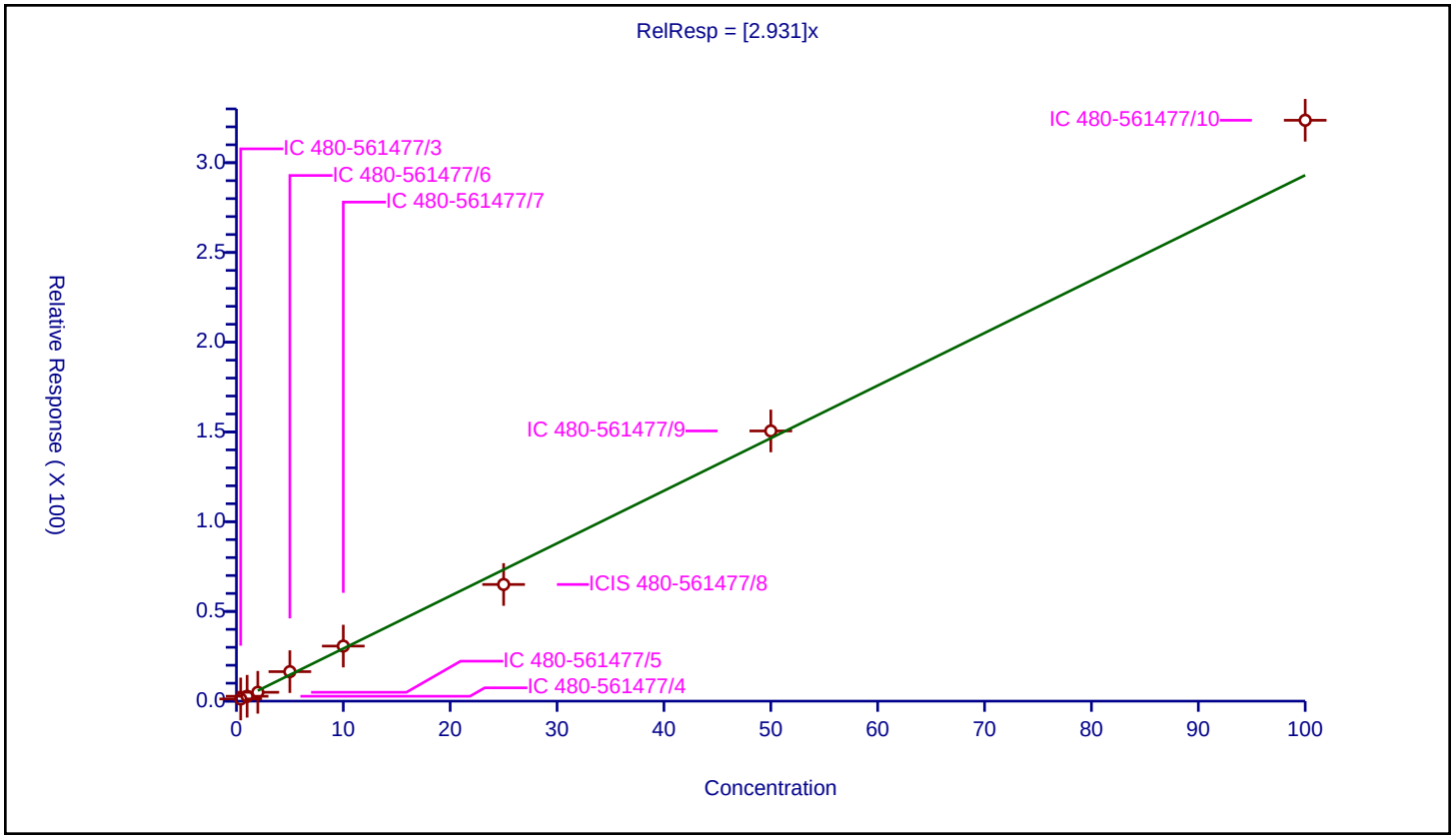
Curve Coefficients

Intercept:	0
Slope:	2.931

Error Coefficients

Standard Error:	809000
Relative Standard Error:	10.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	1.217083	25.0	149620.0	3.042708	Y
2	IC 480-561477/4	1.0	2.725778	25.0	146903.0	2.725778	Y
3	IC 480-561477/5	2.0	4.940693	25.0	151583.0	2.470346	Y
4	IC 480-561477/6	5.0	16.441986	25.0	144835.0	3.288397	Y
5	IC 480-561477/7	10.0	30.685058	25.0	147294.0	3.068506	Y
6	ICIS 480-561477/8	25.0	65.014317	25.0	145283.0	2.600573	Y
7	IC 480-561477/9	50.0	150.555734	25.0	143459.0	3.011115	Y
8	IC 480-561477/10	100.0	323.665461	25.0	147579.0	3.236655	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

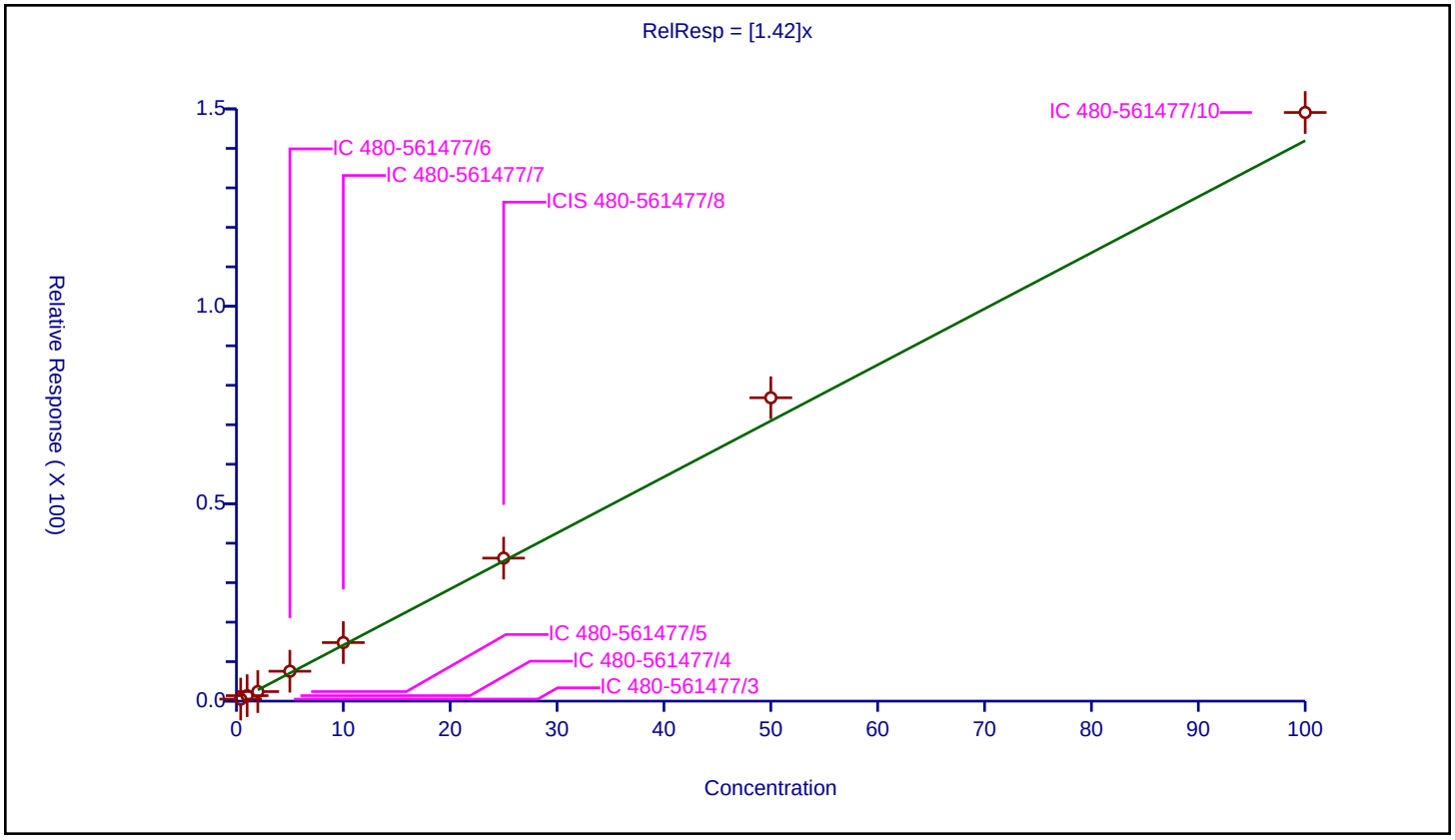
Curve Coefficients

Intercept:	0
Slope:	1.42

Error Coefficients

Standard Error:	382000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.516141	25.0	149620.0	1.290352	Y
2	IC 480-561477/4	1.0	1.383906	25.0	146903.0	1.383906	Y
3	IC 480-561477/5	2.0	2.416168	25.0	151583.0	1.208084	Y
4	IC 480-561477/6	5.0	7.570511	25.0	144835.0	1.514102	Y
5	IC 480-561477/7	10.0	14.828676	25.0	147294.0	1.482868	Y
6	ICIS 480-561477/8	25.0	36.222751	25.0	145283.0	1.44891	Y
7	IC 480-561477/9	50.0	76.842164	25.0	143459.0	1.536843	Y
8	IC 480-561477/10	100.0	149.093536	25.0	147579.0	1.490935	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

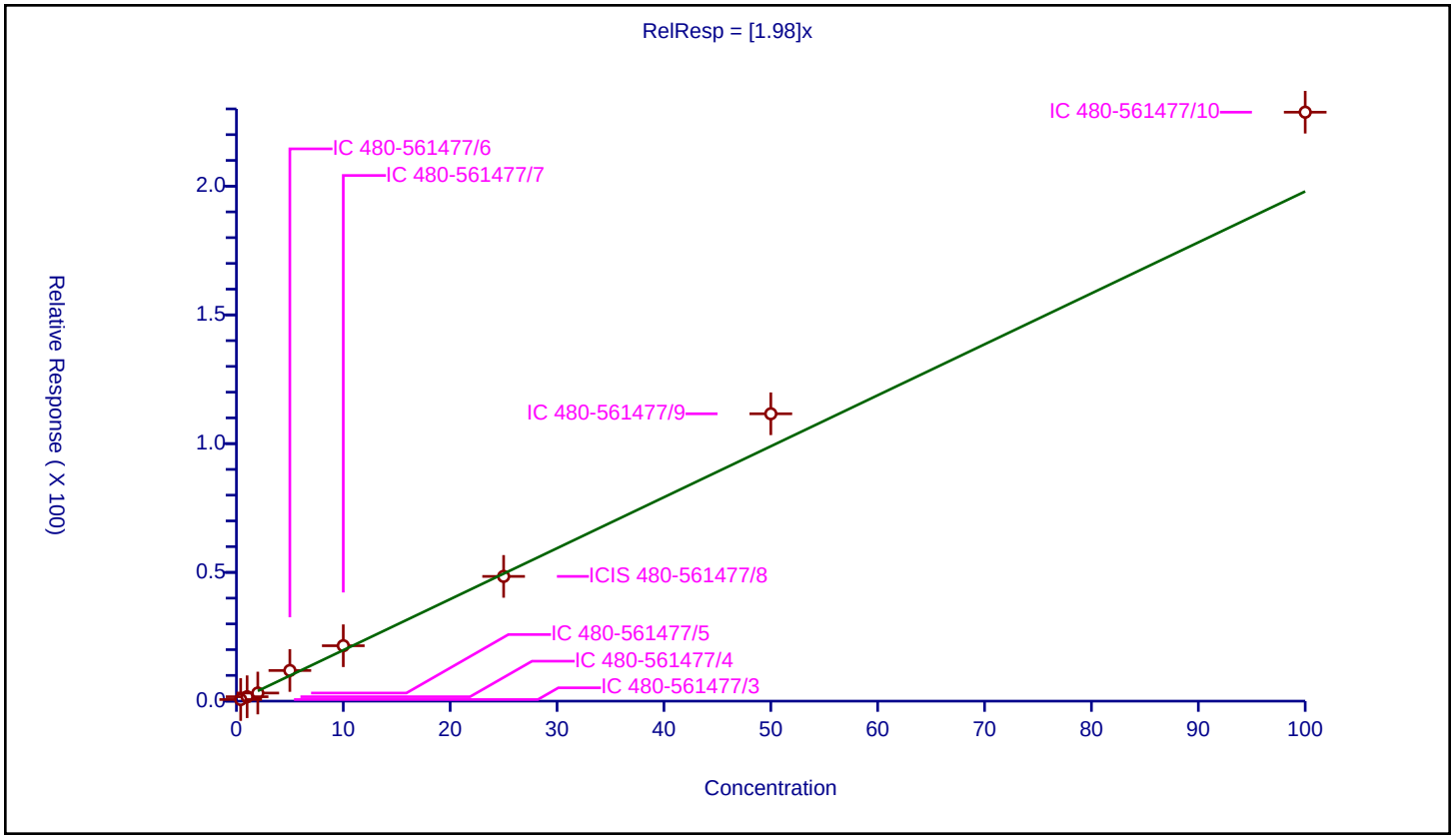
Curve Coefficients

Intercept:	0
Slope:	1.98

Error Coefficients

Standard Error:	577000
Relative Standard Error:	16.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.626922	25.0	149620.0	1.567304	Y
2	IC 480-561477/4	1.0	1.70827	25.0	146903.0	1.70827	Y
3	IC 480-561477/5	2.0	3.145471	25.0	151583.0	1.572736	Y
4	IC 480-561477/6	5.0	11.897331	25.0	144835.0	2.379466	Y
5	IC 480-561477/7	10.0	21.519885	25.0	147294.0	2.151989	Y
6	ICIS 480-561477/8	25.0	48.441662	25.0	145283.0	1.937666	Y
7	IC 480-561477/9	50.0	111.602444	25.0	143459.0	2.232049	Y
8	IC 480-561477/10	100.0	228.722074	25.0	147579.0	2.287221	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

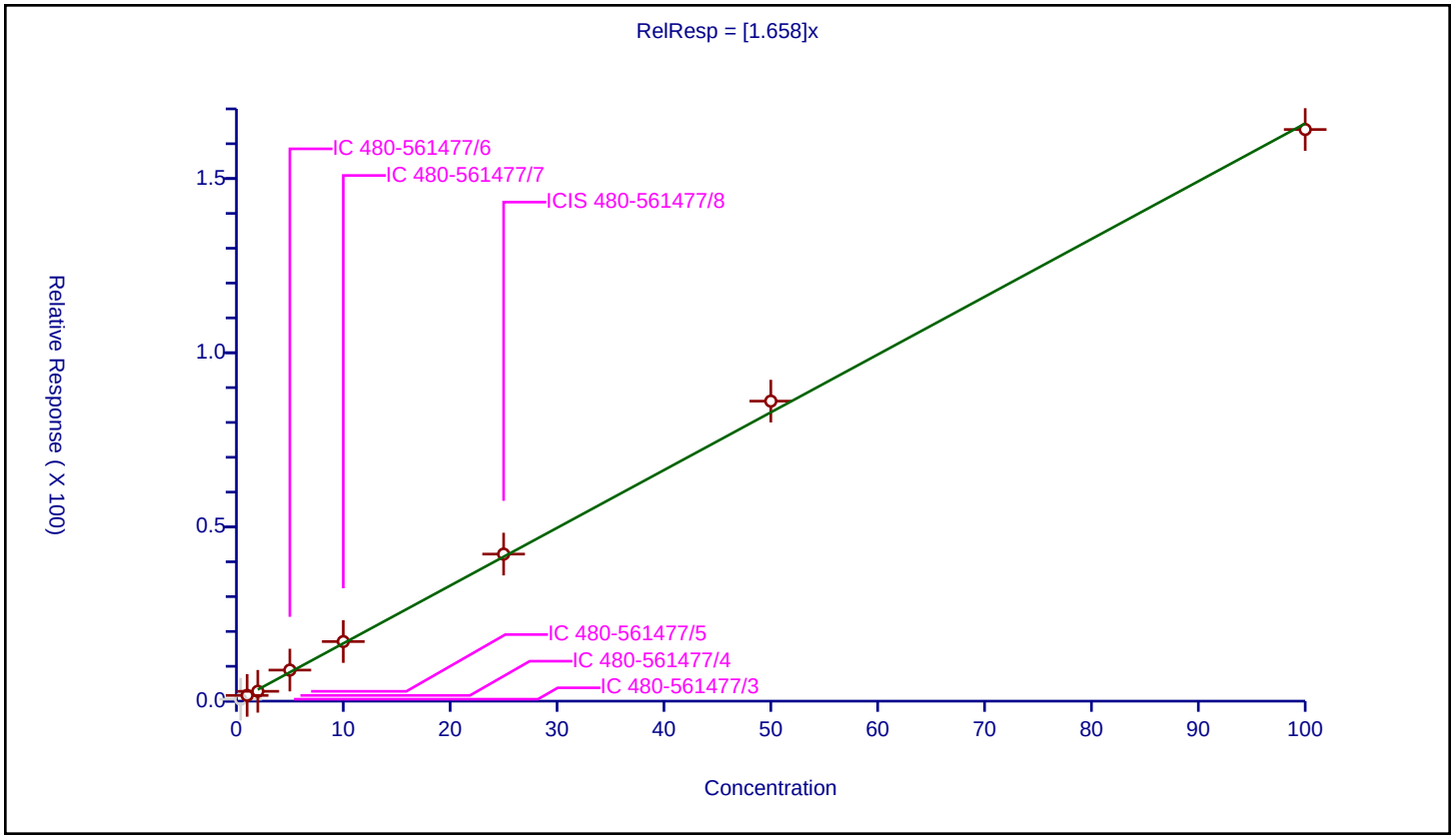
Curve Coefficients

Intercept:	0
Slope:	1.658

Error Coefficients

Standard Error:	457000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.558248	25.0	149620.0	1.395619	N
2	IC 480-561477/4	1.0	1.646154	25.0	146903.0	1.646154	Y
3	IC 480-561477/5	2.0	2.824855	25.0	151583.0	1.412428	Y
4	IC 480-561477/6	5.0	8.921704	25.0	144835.0	1.784341	Y
5	IC 480-561477/7	10.0	17.108979	25.0	147294.0	1.710898	Y
6	ICIS 480-561477/8	25.0	42.213473	25.0	145283.0	1.688539	Y
7	IC 480-561477/9	50.0	86.116242	25.0	143459.0	1.722325	Y
8	IC 480-561477/10	100.0	164.080086	25.0	147579.0	1.640801	Y



Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

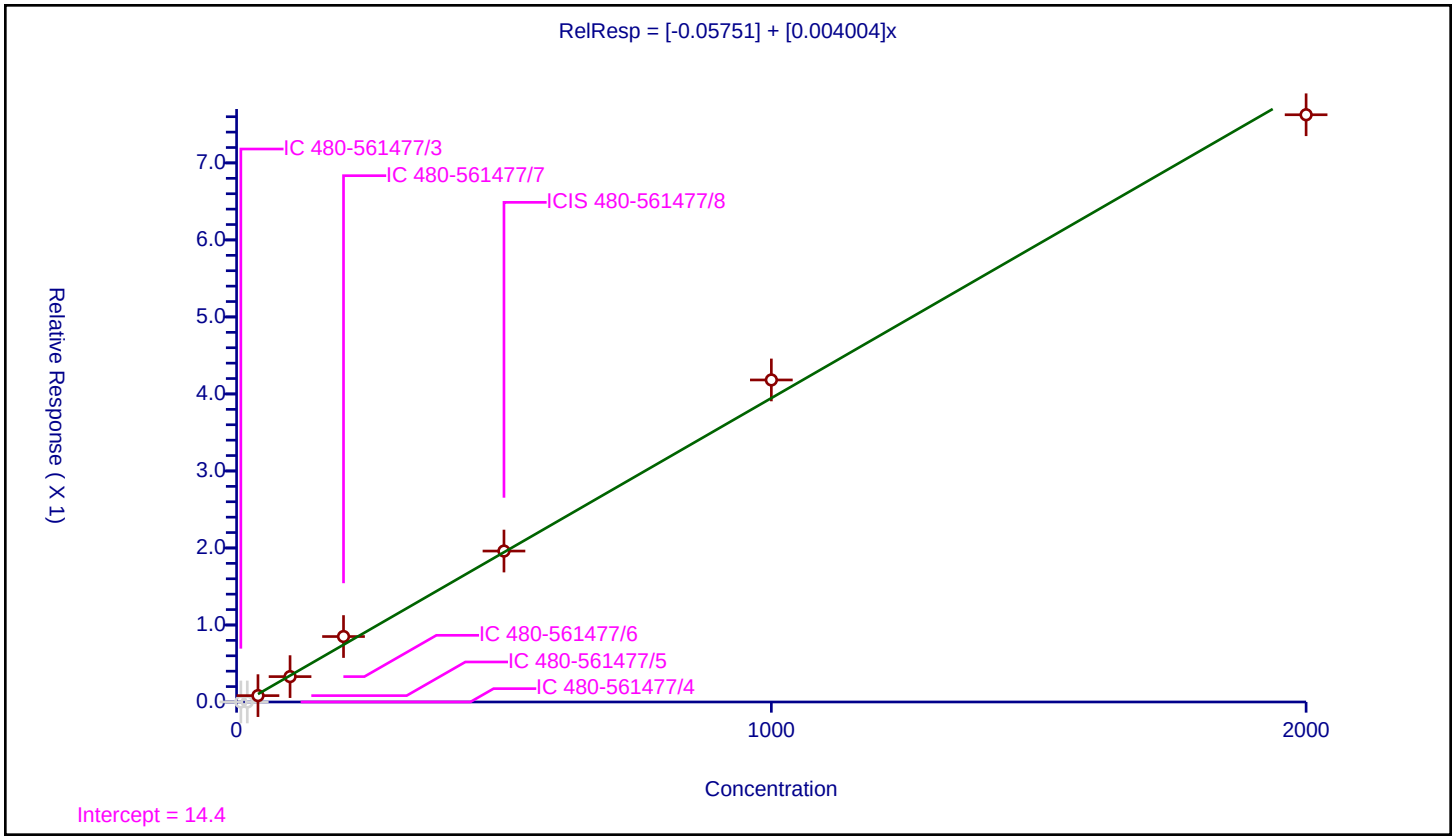
Curve Coefficients

Intercept:	-0.05751
Slope:	0.004004

Error Coefficients

Standard Error:	56600
Relative Standard Error:	10.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	8.0	0.0	25.0	322406.0	0.0	N
2	IC 480-561477/4	20.0	0.0	25.0	322503.0	0.0	N
3	IC 480-561477/5	40.0	0.082473	25.0	326471.0	0.002062	Y
4	IC 480-561477/6	100.0	0.32941	25.0	322395.0	0.003294	Y
5	IC 480-561477/7	200.0	0.849985	25.0	319094.0	0.00425	Y
6	ICIS 480-561477/8	500.0	1.960241	25.0	316887.0	0.00392	Y
7	IC 480-561477/9	1000.0	4.181715	25.0	313980.0	0.004182	Y
8	IC 480-561477/10	2000.0	7.625532	25.0	316414.0	0.003813	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

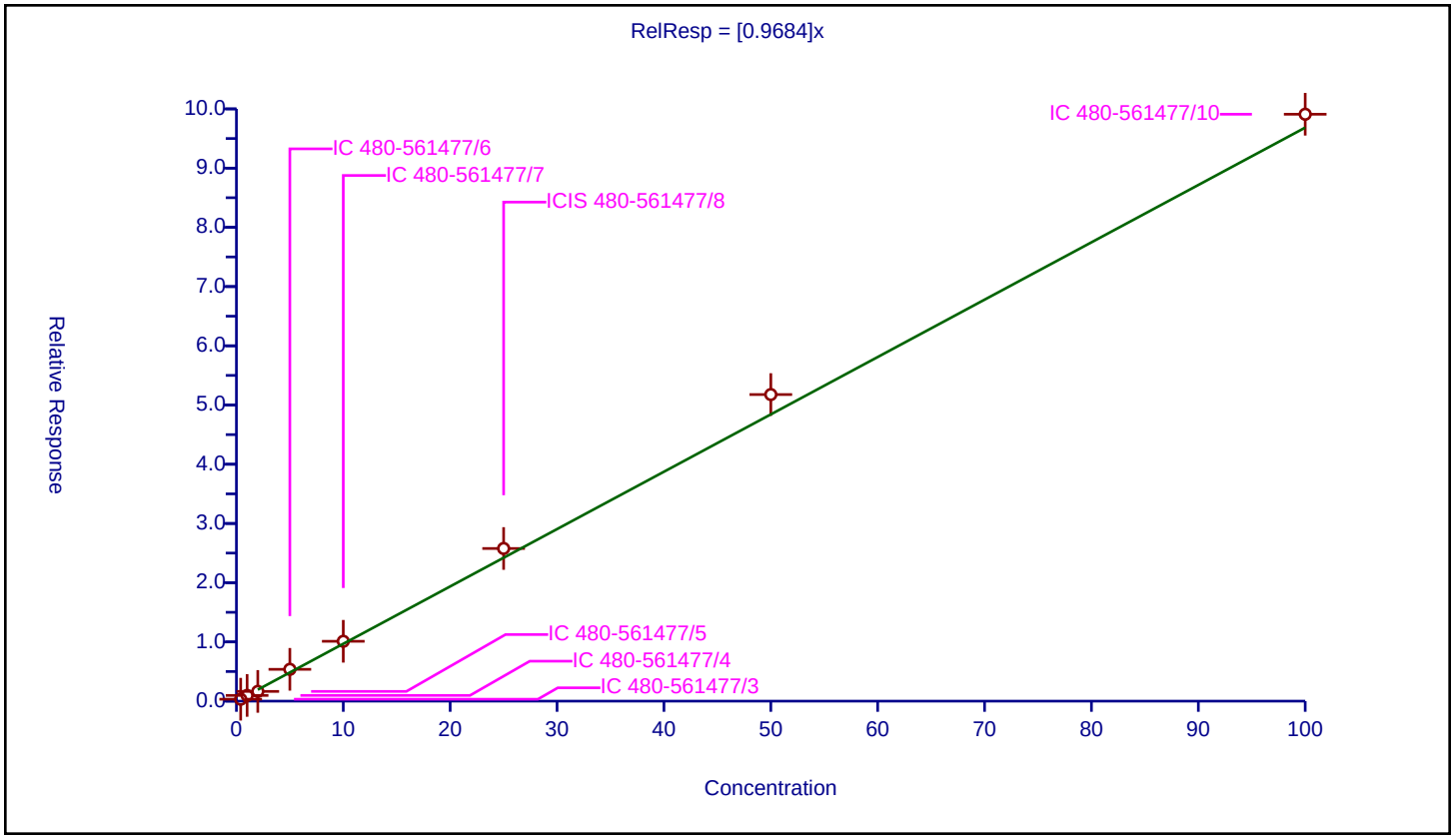
Curve Coefficients

Intercept:	0
Slope:	0.9684

Error Coefficients

Standard Error:	256000
Relative Standard Error:	10.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.327831	25.0	149620.0	0.819576	Y
2	IC 480-561477/4	1.0	0.96254	25.0	146903.0	0.96254	Y
3	IC 480-561477/5	2.0	1.644479	25.0	151583.0	0.822239	Y
4	IC 480-561477/6	5.0	5.373356	25.0	144835.0	1.074671	Y
5	IC 480-561477/7	10.0	10.106318	25.0	147294.0	1.010632	Y
6	ICIS 480-561477/8	25.0	25.774179	25.0	145283.0	1.030967	Y
7	IC 480-561477/9	50.0	51.768275	25.0	143459.0	1.035366	Y
8	IC 480-561477/10	100.0	99.094214	25.0	147579.0	0.990942	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

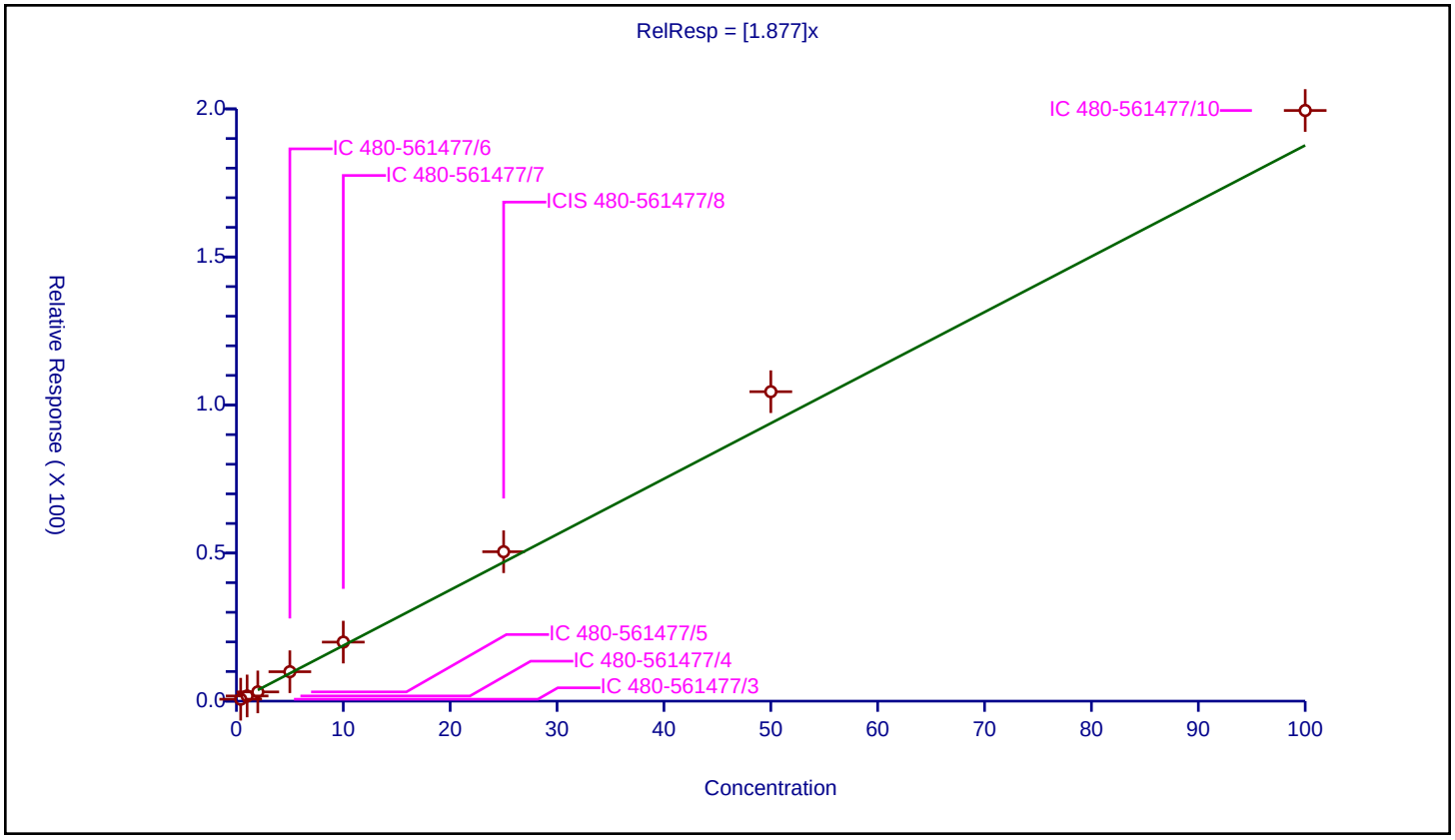
Curve Coefficients

Intercept:	0
Slope:	1.877

Error Coefficients

Standard Error:	514000
Relative Standard Error:	10.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.650147	25.0	149620.0	1.625368	Y
2	IC 480-561477/4	1.0	1.747582	25.0	146903.0	1.747582	Y
3	IC 480-561477/5	2.0	3.119578	25.0	151583.0	1.559789	Y
4	IC 480-561477/6	5.0	9.930956	25.0	144835.0	1.986191	Y
5	IC 480-561477/7	10.0	19.938694	25.0	147294.0	1.993869	Y
6	ICIS 480-561477/8	25.0	50.448951	25.0	145283.0	2.017958	Y
7	IC 480-561477/9	50.0	104.498324	25.0	143459.0	2.089966	Y
8	IC 480-561477/10	100.0	199.45707	25.0	147579.0	1.994571	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

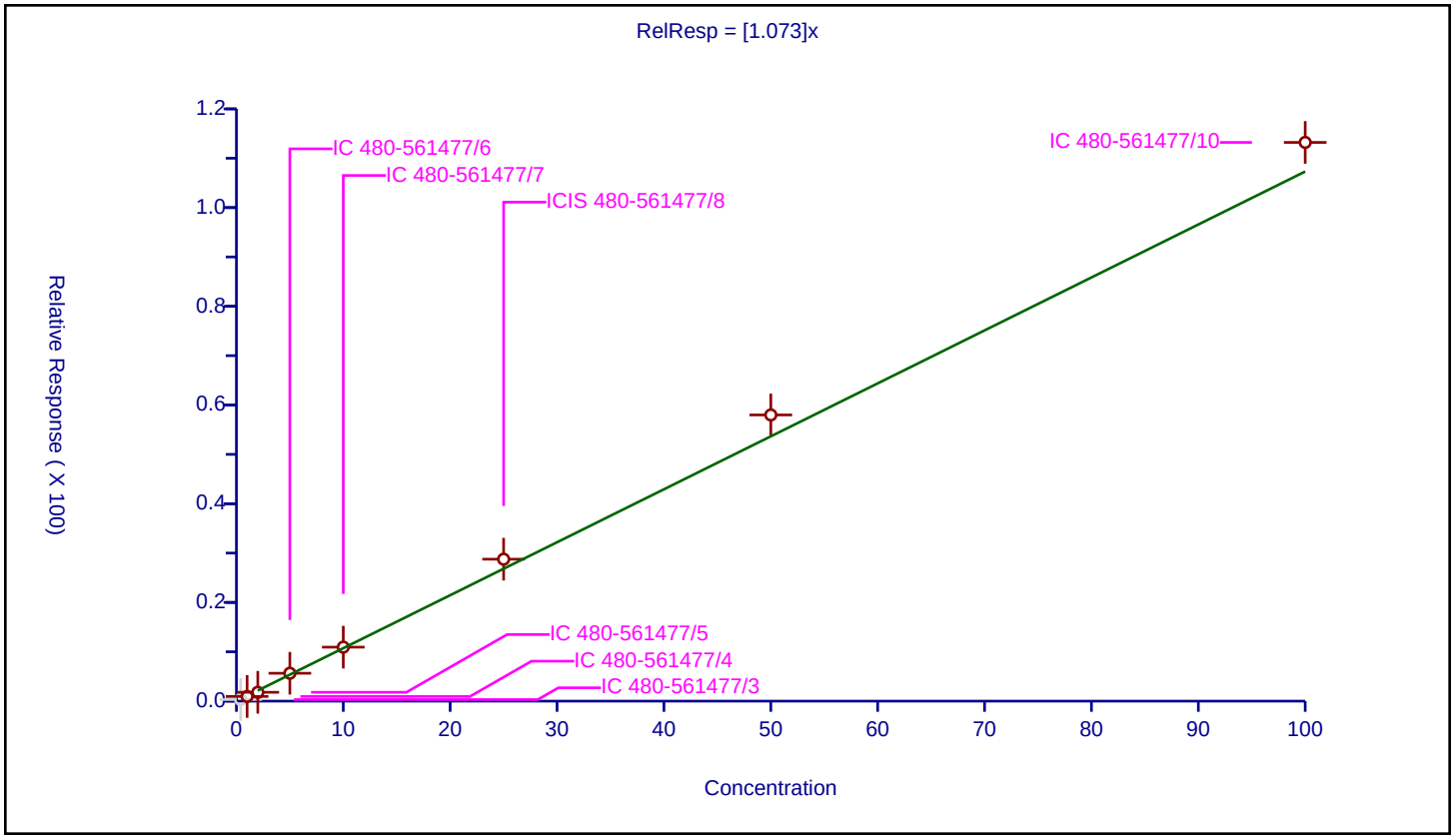
Curve Coefficients

Intercept:	0
Slope:	1.073

Error Coefficients

Standard Error:	314000
Relative Standard Error:	9.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.322317	25.0	149620.0	0.805791	N
2	IC 480-561477/4	1.0	0.948245	25.0	146903.0	0.948245	Y
3	IC 480-561477/5	2.0	1.796705	25.0	151583.0	0.898353	Y
4	IC 480-561477/6	5.0	5.645907	25.0	144835.0	1.129181	Y
5	IC 480-561477/7	10.0	10.933745	25.0	147294.0	1.093374	Y
6	ICIS 480-561477/8	25.0	28.760247	25.0	145283.0	1.15041	Y
7	IC 480-561477/9	50.0	57.990959	25.0	143459.0	1.159819	Y
8	IC 480-561477/10	100.0	113.207672	25.0	147579.0	1.132077	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

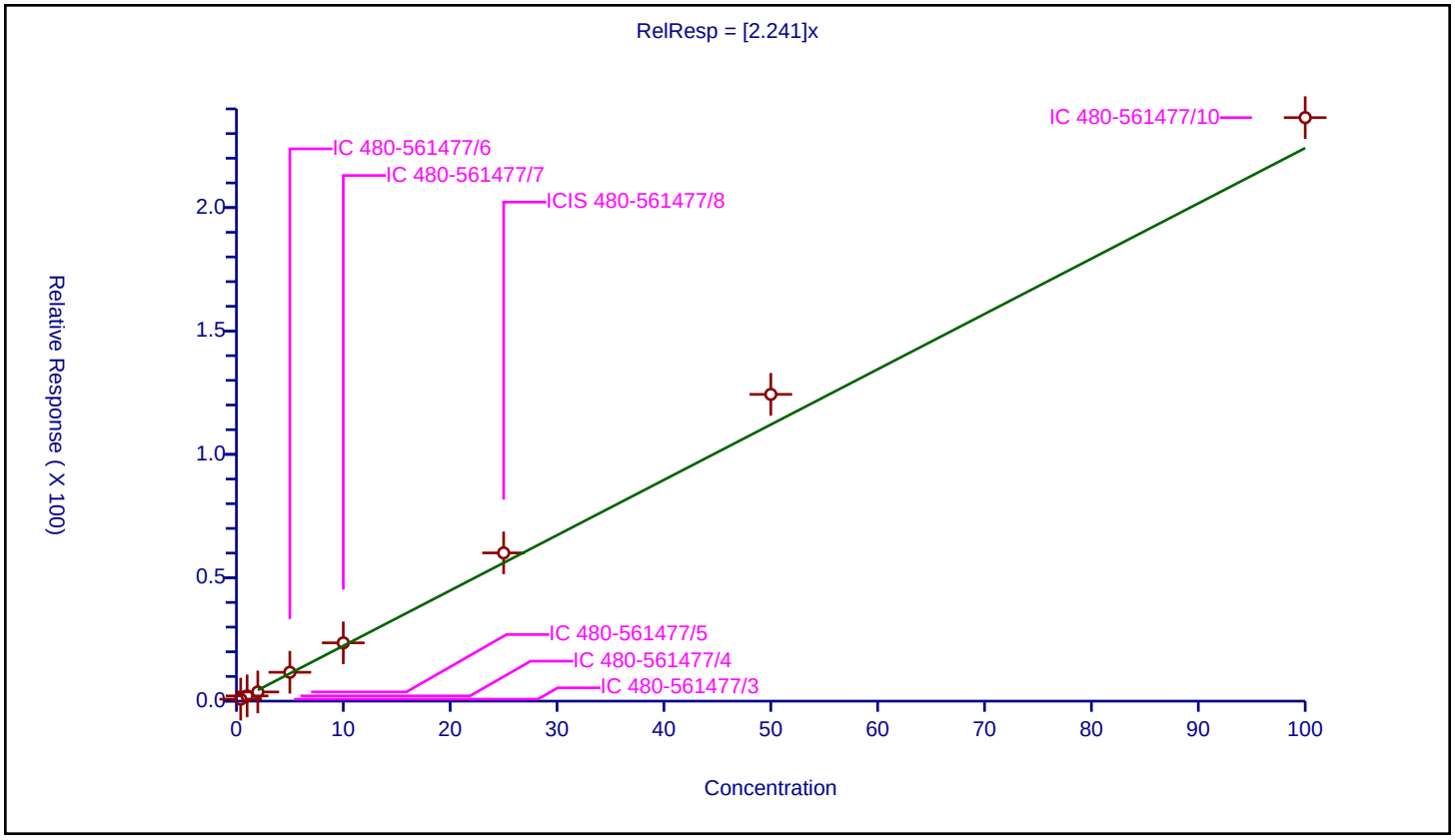
Curve Coefficients

Intercept:	0
Slope:	2.241

Error Coefficients

Standard Error:	610000
Relative Standard Error:	9.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.799693	25.0	149620.0	1.999231	Y
2	IC 480-561477/4	1.0	2.116703	25.0	146903.0	2.116703	Y
3	IC 480-561477/5	2.0	3.721723	25.0	151583.0	1.860862	Y
4	IC 480-561477/6	5.0	11.692098	25.0	144835.0	2.33842	Y
5	IC 480-561477/7	10.0	23.617391	25.0	147294.0	2.361739	Y
6	ICIS 480-561477/8	25.0	60.064839	25.0	145283.0	2.402594	Y
7	IC 480-561477/9	50.0	124.316355	25.0	143459.0	2.486327	Y
8	IC 480-561477/10	100.0	236.457253	25.0	147579.0	2.364573	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

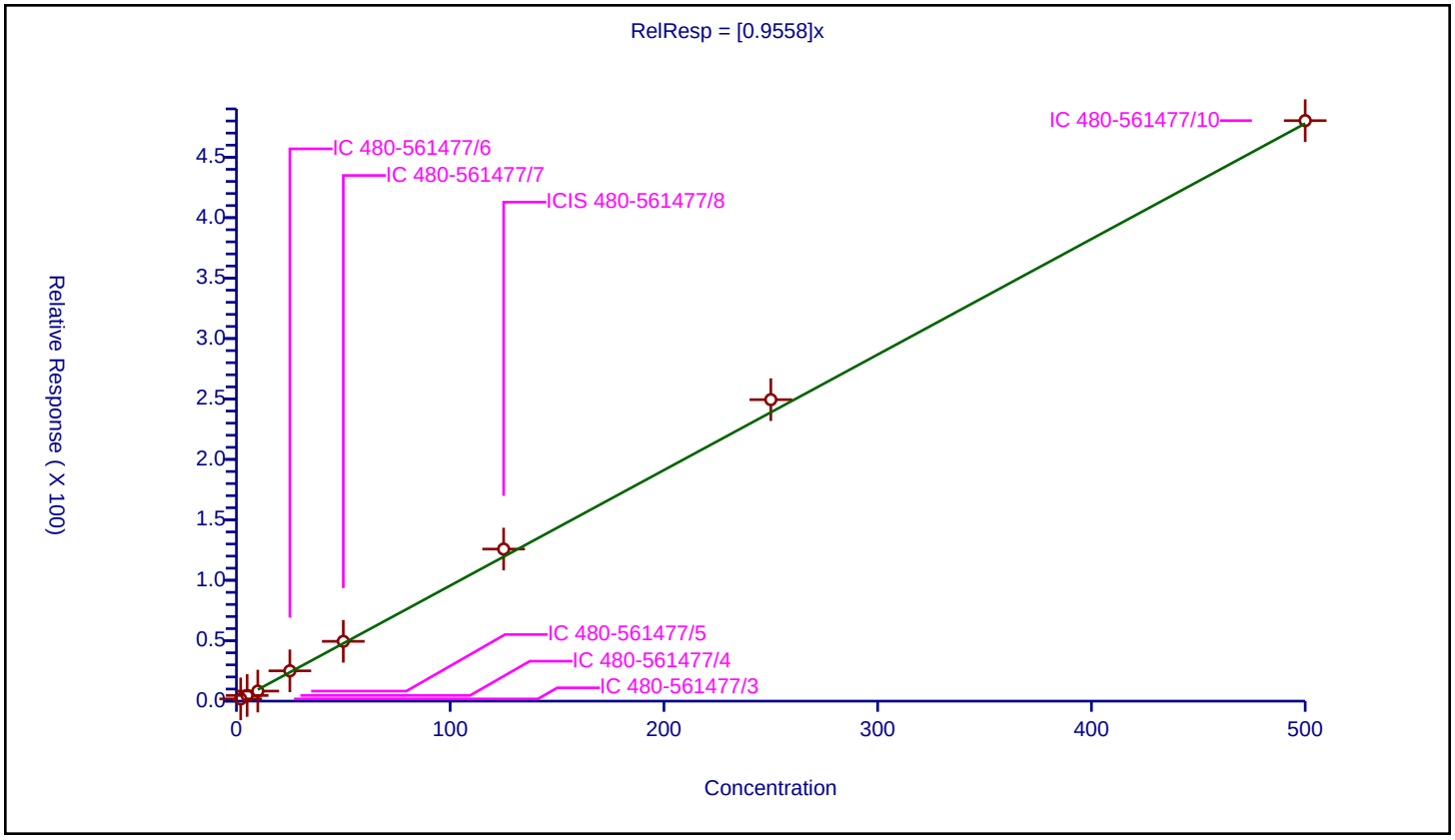
Curve Coefficients

Intercept:	0
Slope:	0.9558

Error Coefficients

Standard Error:	2670000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	2.0	1.840692	25.0	322406.0	0.920346	Y
2	IC 480-561477/4	5.0	4.687321	25.0	322503.0	0.937464	Y
3	IC 480-561477/5	10.0	8.308854	25.0	326471.0	0.830885	Y
4	IC 480-561477/6	25.0	25.076537	25.0	322395.0	1.003061	Y
5	IC 480-561477/7	50.0	49.48487	25.0	319094.0	0.989697	Y
6	ICIS 480-561477/8	125.0	125.802652	25.0	316887.0	1.006421	Y
7	IC 480-561477/9	250.0	249.442082	25.0	313980.0	0.997768	Y
8	IC 480-561477/10	500.0	480.274261	25.0	316414.0	0.960549	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

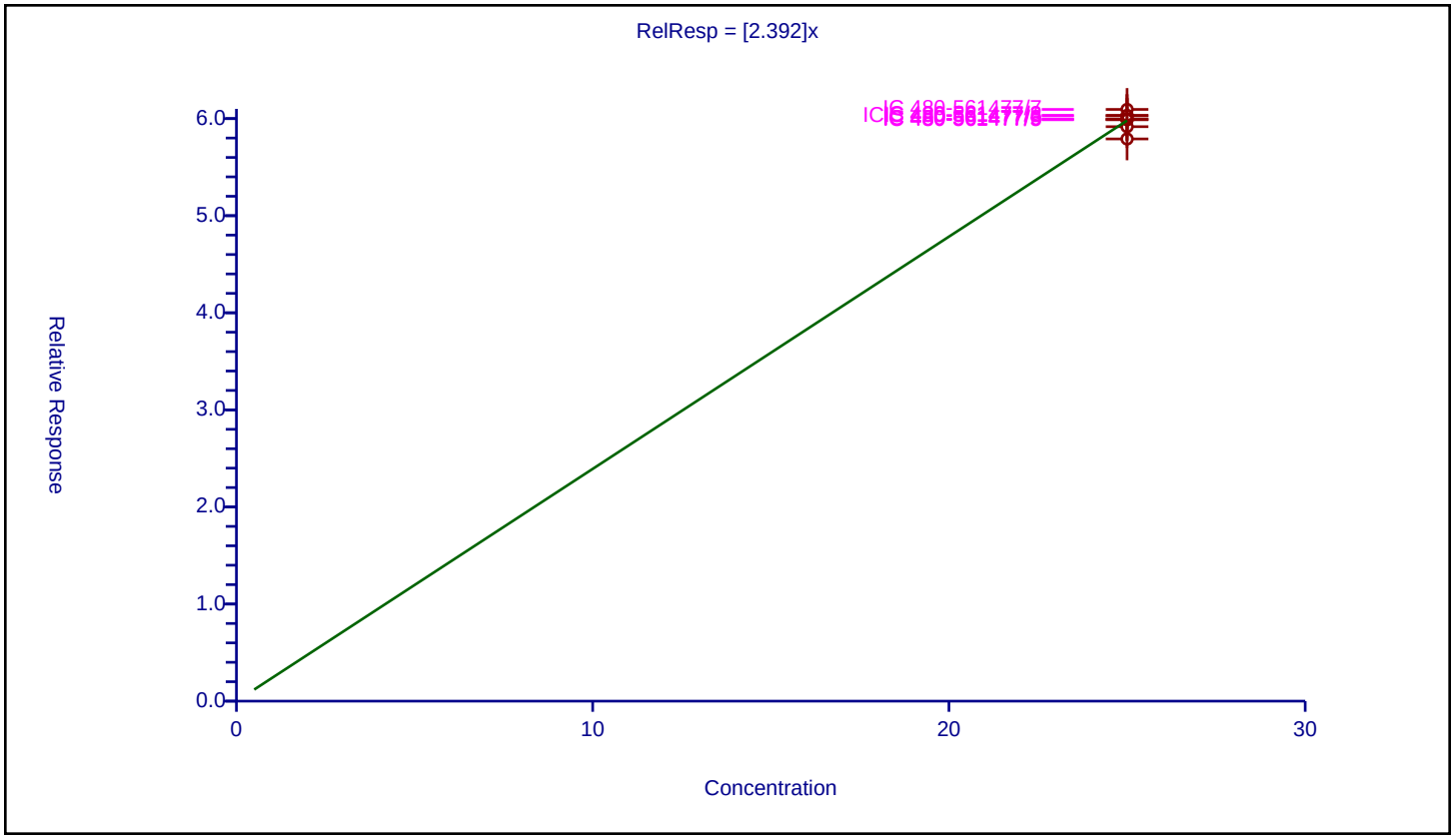
Curve Coefficients

Intercept:	0
Slope:	2.392

Error Coefficients

Standard Error:	818000
Relative Standard Error:	1.5
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	25.0	60.331461	25.0	322406.0	2.413258	Y
2	IC 480-561477/4	25.0	59.168364	25.0	322503.0	2.366735	Y
3	IC 480-561477/5	25.0	59.881659	25.0	326471.0	2.395266	Y
4	IC 480-561477/6	25.0	59.955877	25.0	322395.0	2.398235	Y
5	IC 480-561477/7	25.0	60.944737	25.0	319094.0	2.437789	Y
6	ICIS 480-561477/8	25.0	60.289867	25.0	316887.0	2.411595	Y
7	IC 480-561477/9	25.0	59.917113	25.0	313980.0	2.396685	Y
8	IC 480-561477/10	25.0	57.90428	25.0	316414.0	2.316171	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

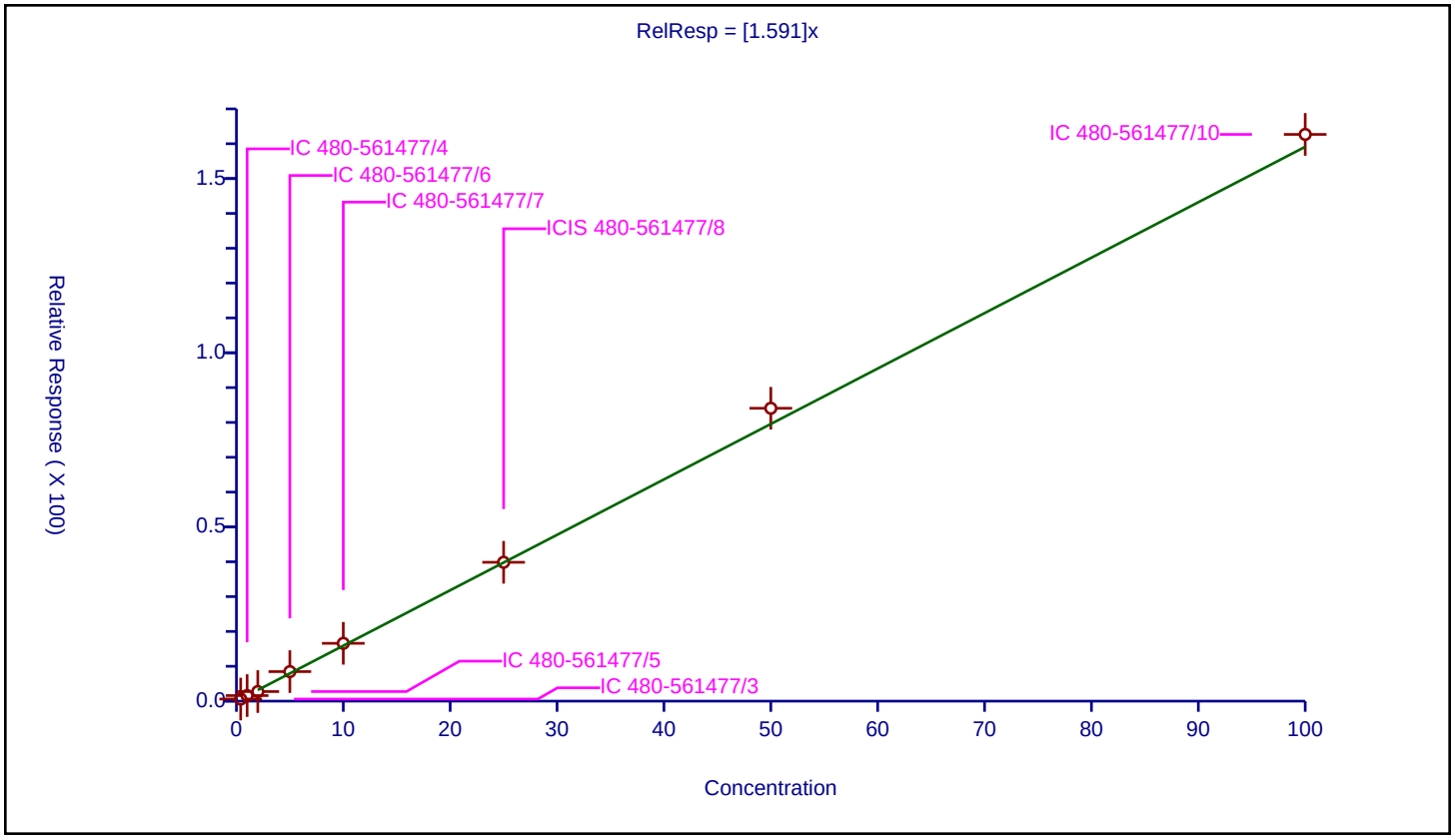
Curve Coefficients

Intercept:	0
Slope:	1.591

Error Coefficients

Standard Error:	900000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.603044	25.0	322406.0	1.50761	Y
2	IC 480-561477/4	1.0	1.591536	25.0	322503.0	1.591536	Y
3	IC 480-561477/5	2.0	2.746339	25.0	326471.0	1.373169	Y
4	IC 480-561477/6	5.0	8.474775	25.0	322395.0	1.694955	Y
5	IC 480-561477/7	10.0	16.592133	25.0	319094.0	1.659213	Y
6	ICIS 480-561477/8	25.0	39.858372	25.0	316887.0	1.594335	Y
7	IC 480-561477/9	50.0	84.068173	25.0	313980.0	1.681363	Y
8	IC 480-561477/10	100.0	162.679433	25.0	316414.0	1.626794	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

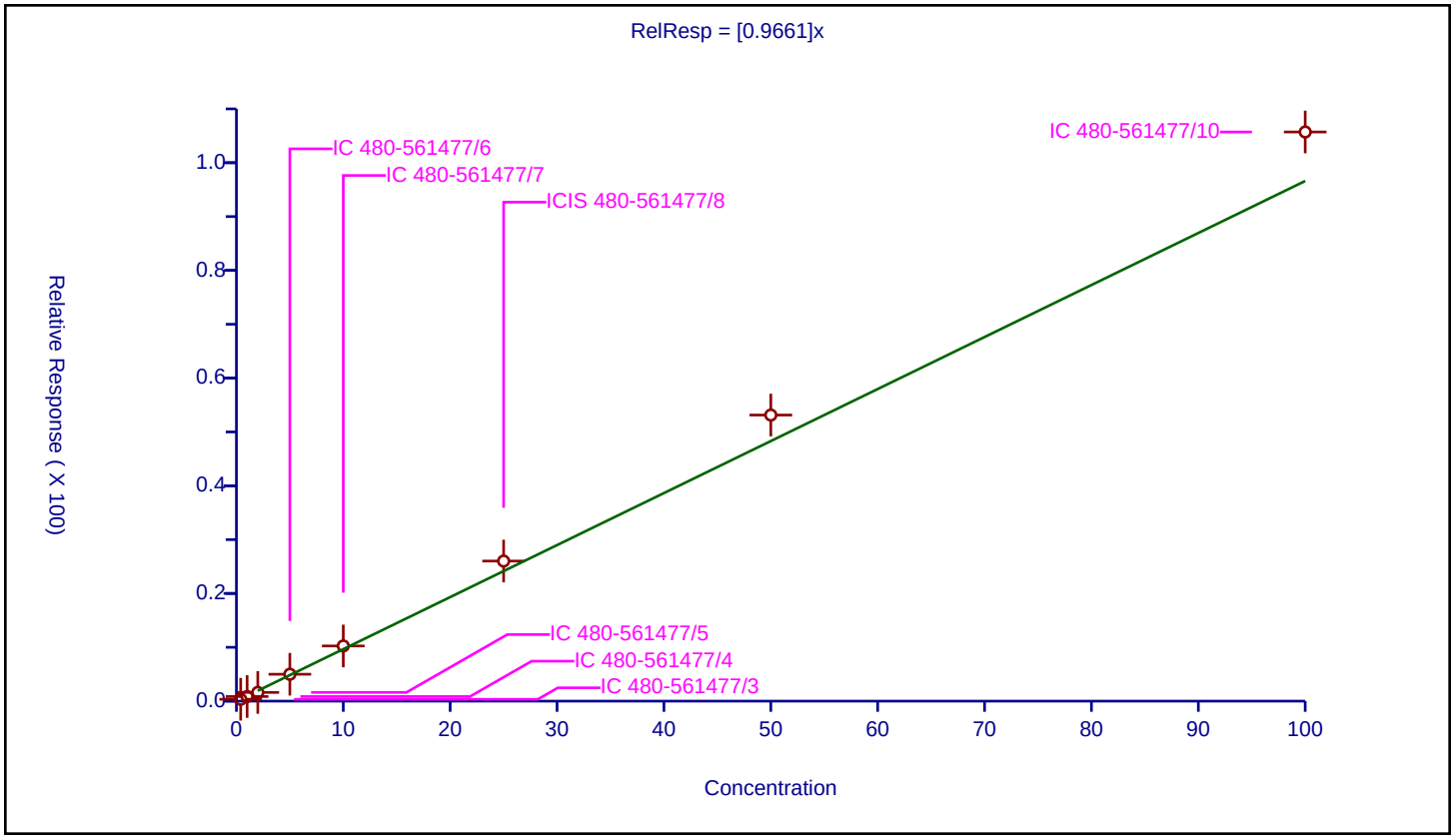
Curve Coefficients

Intercept:	0
Slope:	0.9661

Error Coefficients

Standard Error:	581000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.350955	25.0	322406.0	0.877388	Y
2	IC 480-561477/4	1.0	0.858287	25.0	322503.0	0.858287	Y
3	IC 480-561477/5	2.0	1.618367	25.0	326471.0	0.809184	Y
4	IC 480-561477/6	5.0	4.991935	25.0	322395.0	0.998387	Y
5	IC 480-561477/7	10.0	10.249723	25.0	319094.0	1.024972	Y
6	ICIS 480-561477/8	25.0	26.016845	25.0	316887.0	1.040674	Y
7	IC 480-561477/9	50.0	53.136346	25.0	313980.0	1.062727	Y
8	IC 480-561477/10	100.0	105.713401	25.0	316414.0	1.057134	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

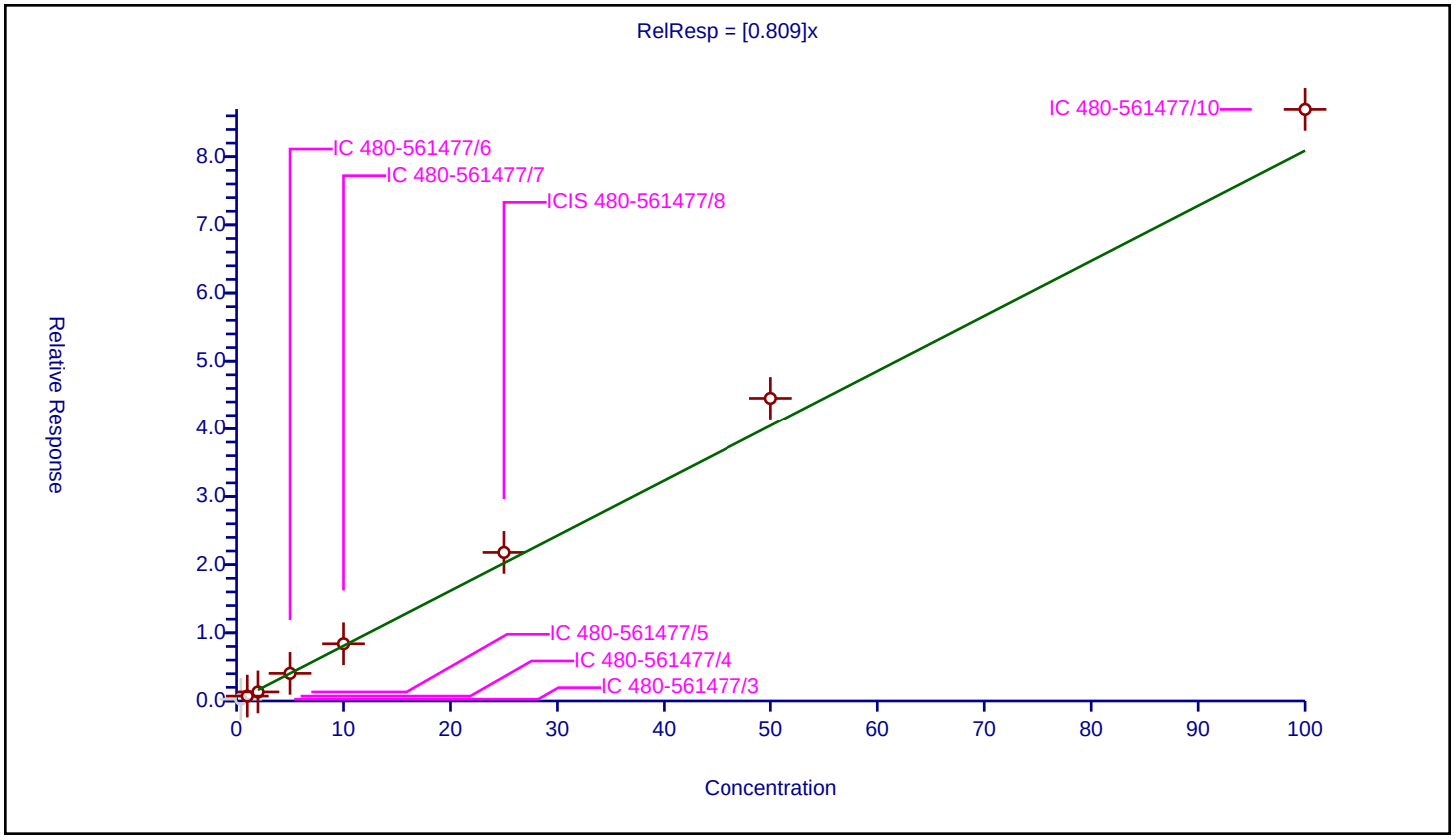
Curve Coefficients

Intercept:	0
Slope:	0.809

Error Coefficients

Standard Error:	519000
Relative Standard Error:	10.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.26341	25.0	322406.0	0.658525	N
2	IC 480-561477/4	1.0	0.71604	25.0	322503.0	0.71604	Y
3	IC 480-561477/5	2.0	1.329215	25.0	326471.0	0.664607	Y
4	IC 480-561477/6	5.0	4.053025	25.0	322395.0	0.810605	Y
5	IC 480-561477/7	10.0	8.395253	25.0	319094.0	0.839525	Y
6	ICIS 480-561477/8	25.0	21.796808	25.0	316887.0	0.871872	Y
7	IC 480-561477/9	50.0	44.531578	25.0	313980.0	0.890632	Y
8	IC 480-561477/10	100.0	86.944794	25.0	316414.0	0.869448	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

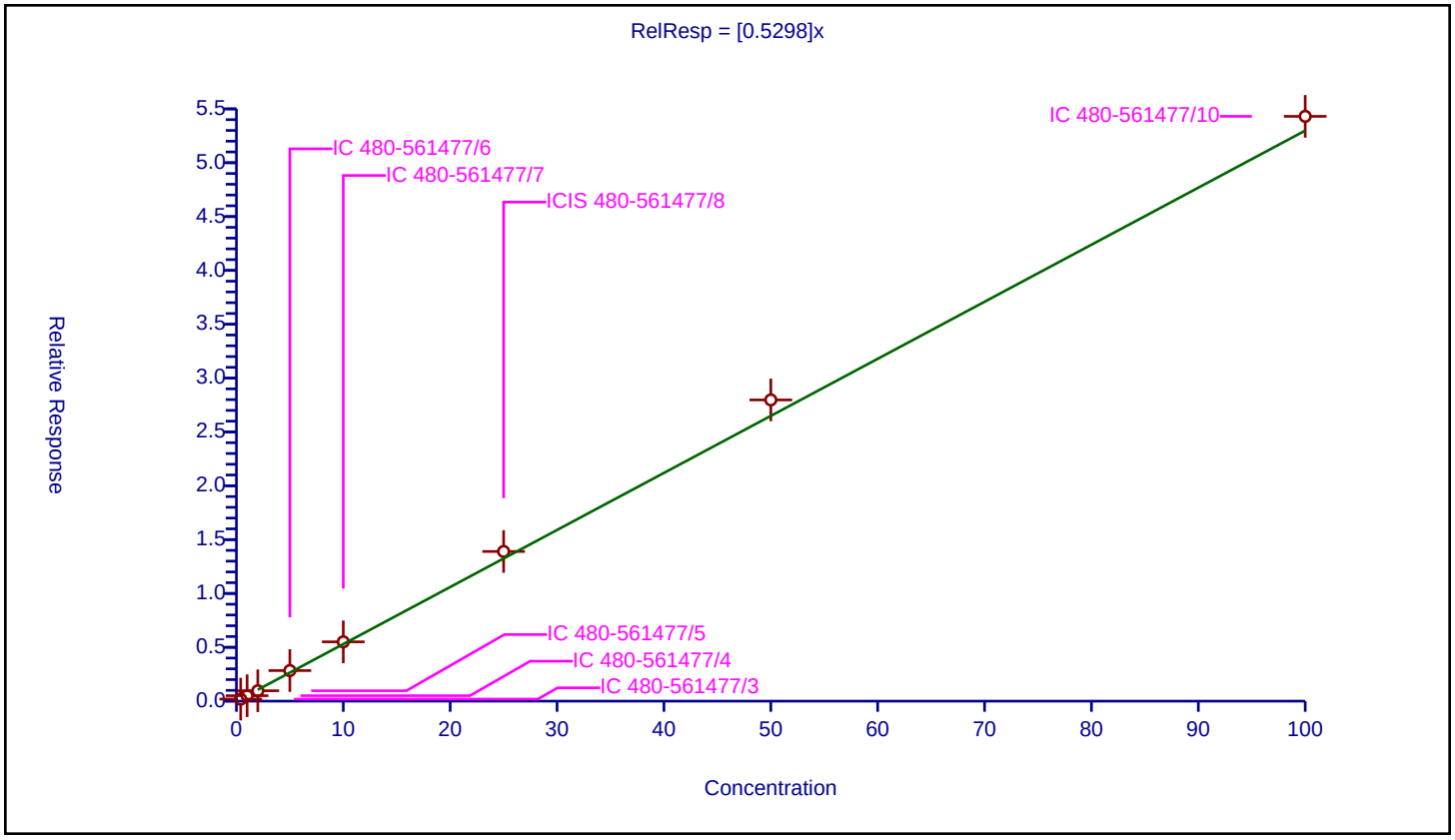
Curve Coefficients

Intercept:	0
Slope:	0.5298

Error Coefficients

Standard Error:	301000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.189435	25.0	322406.0	0.473588	Y
2	IC 480-561477/4	1.0	0.505964	25.0	322503.0	0.505964	Y
3	IC 480-561477/5	2.0	0.964557	25.0	326471.0	0.482279	Y
4	IC 480-561477/6	5.0	2.838676	25.0	322395.0	0.567735	Y
5	IC 480-561477/7	10.0	5.505823	25.0	319094.0	0.550582	Y
6	ICIS 480-561477/8	25.0	13.898487	25.0	316887.0	0.555939	Y
7	IC 480-561477/9	50.0	27.973119	25.0	313980.0	0.559462	Y
8	IC 480-561477/10	100.0	54.306225	25.0	316414.0	0.543062	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

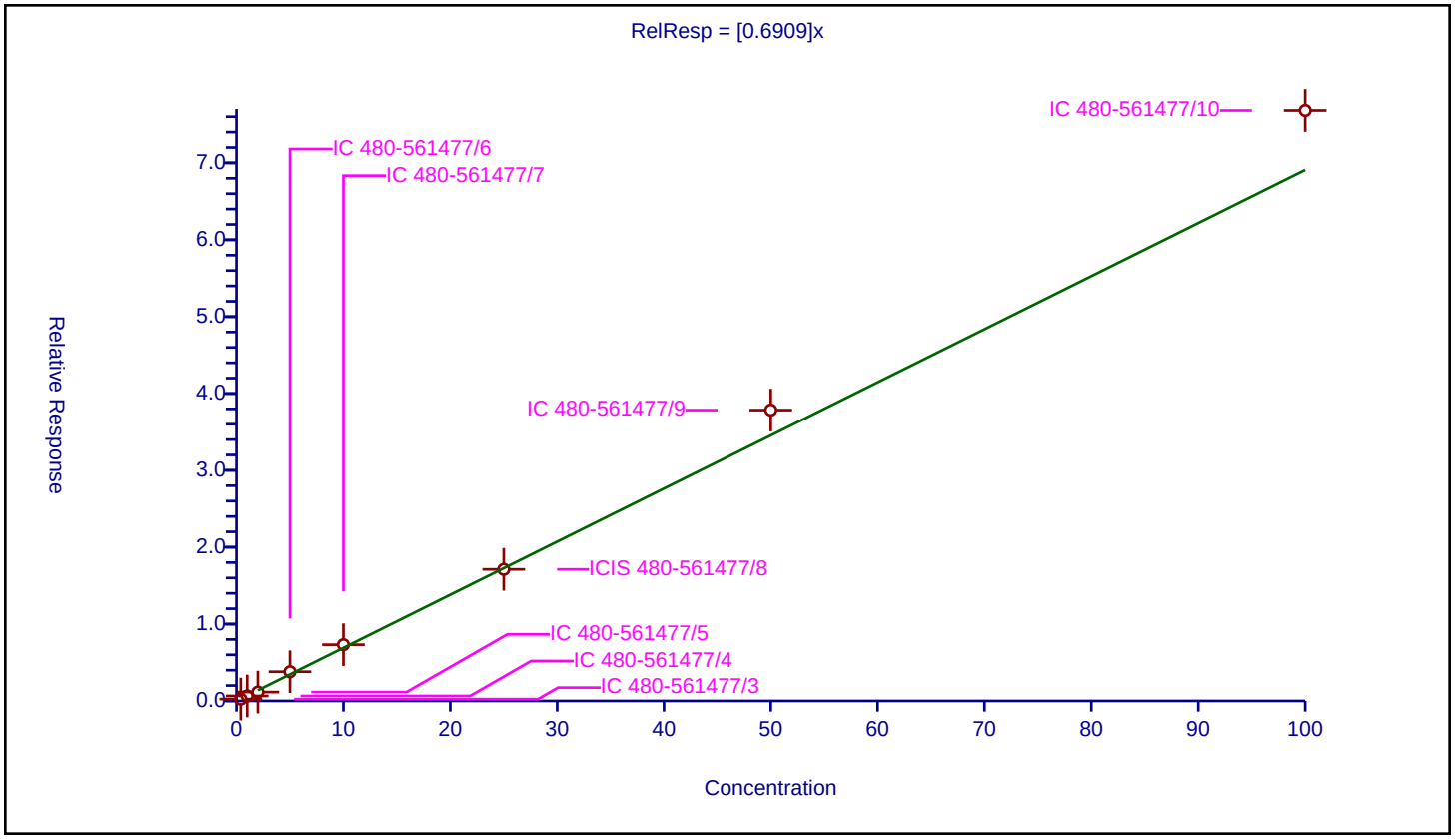
Curve Coefficients

Intercept:	0
Slope:	0.6909

Error Coefficients

Standard Error:	419000
Relative Standard Error:	11.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.239682	25.0	322406.0	0.599206	Y
2	IC 480-561477/4	1.0	0.650847	25.0	322503.0	0.650847	Y
3	IC 480-561477/5	2.0	1.151174	25.0	326471.0	0.575587	Y
4	IC 480-561477/6	5.0	3.799842	25.0	322395.0	0.759968	Y
5	IC 480-561477/7	10.0	7.319238	25.0	319094.0	0.731924	Y
6	ICIS 480-561477/8	25.0	17.117222	25.0	316887.0	0.684689	Y
7	IC 480-561477/9	50.0	37.841423	25.0	313980.0	0.756828	Y
8	IC 480-561477/10	100.0	76.806652	25.0	316414.0	0.768067	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

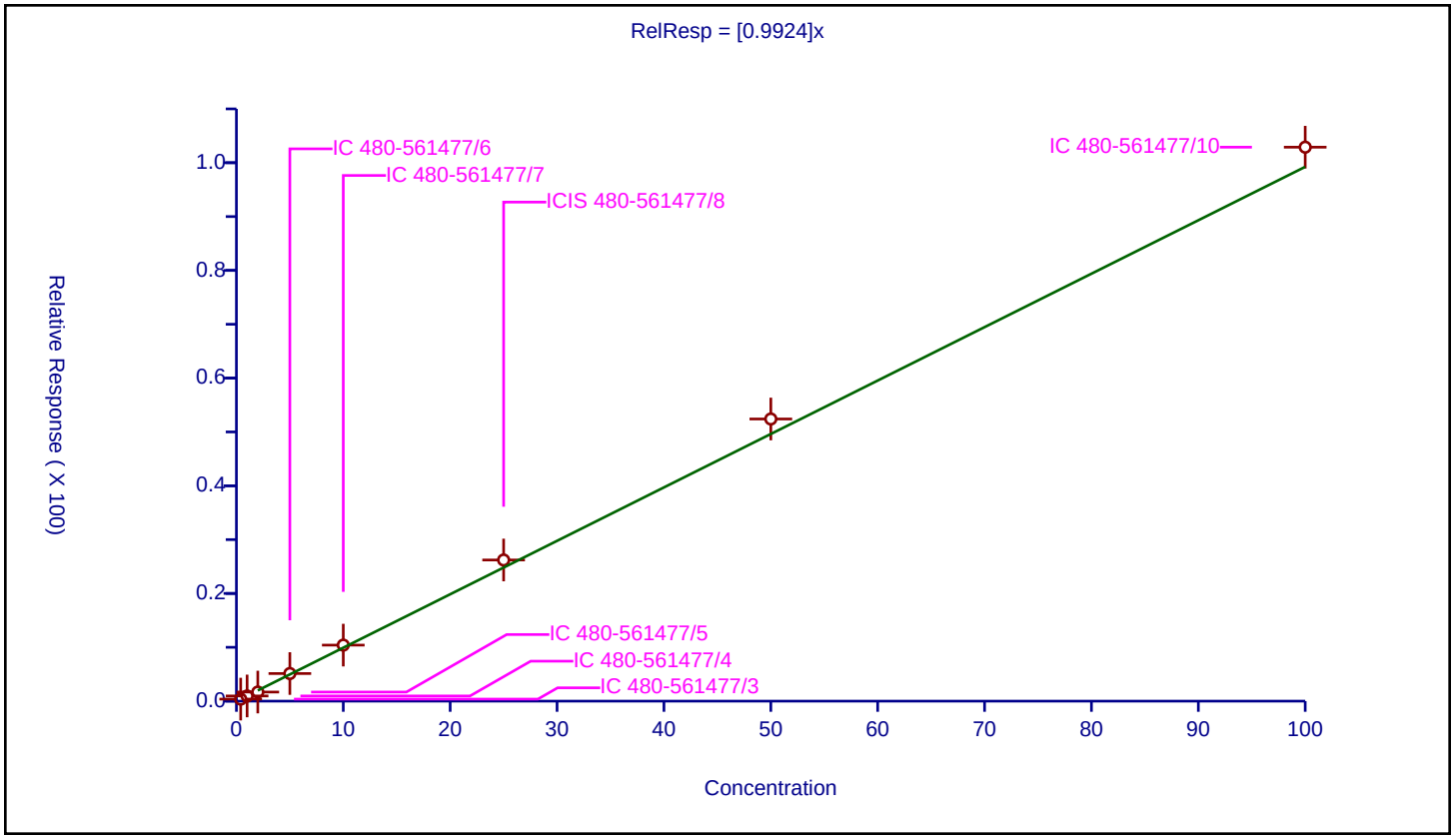
Curve Coefficients

Intercept:	0
Slope:	0.9924

Error Coefficients

Standard Error:	568000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.377242	25.0	322406.0	0.943104	Y
2	IC 480-561477/4	1.0	0.959759	25.0	322503.0	0.959759	Y
3	IC 480-561477/5	2.0	1.688588	25.0	326471.0	0.844294	Y
4	IC 480-561477/6	5.0	5.128026	25.0	322395.0	1.025605	Y
5	IC 480-561477/7	10.0	10.405554	25.0	319094.0	1.040555	Y
6	ICIS 480-561477/8	25.0	26.216364	25.0	316887.0	1.048655	Y
7	IC 480-561477/9	50.0	52.404532	25.0	313980.0	1.048091	Y
8	IC 480-561477/10	100.0	102.886487	25.0	316414.0	1.028865	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

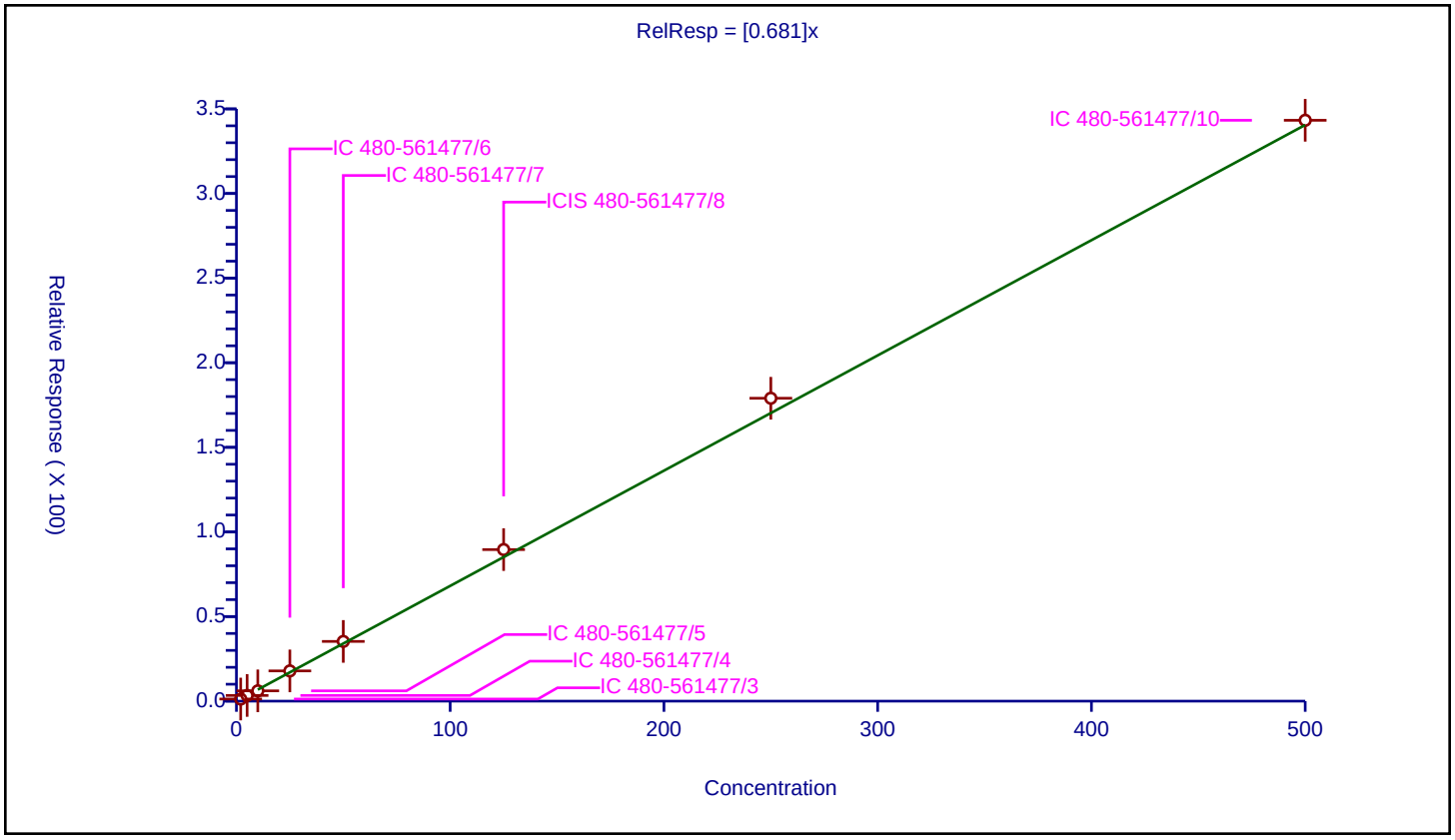
Curve Coefficients

Intercept:	0
Slope:	0.681

Error Coefficients

Standard Error:	1910000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	2.0	1.254397	25.0	322406.0	0.627198	Y
2	IC 480-561477/4	5.0	3.365473	25.0	322503.0	0.673095	Y
3	IC 480-561477/5	10.0	6.081704	25.0	326471.0	0.60817	Y
4	IC 480-561477/6	25.0	17.869151	25.0	322395.0	0.714766	Y
5	IC 480-561477/7	50.0	35.289601	25.0	319094.0	0.705792	Y
6	ICIS 480-561477/8	125.0	89.575543	25.0	316887.0	0.716604	Y
7	IC 480-561477/9	250.0	179.008934	25.0	313980.0	0.716036	Y
8	IC 480-561477/10	500.0	343.264679	25.0	316414.0	0.686529	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

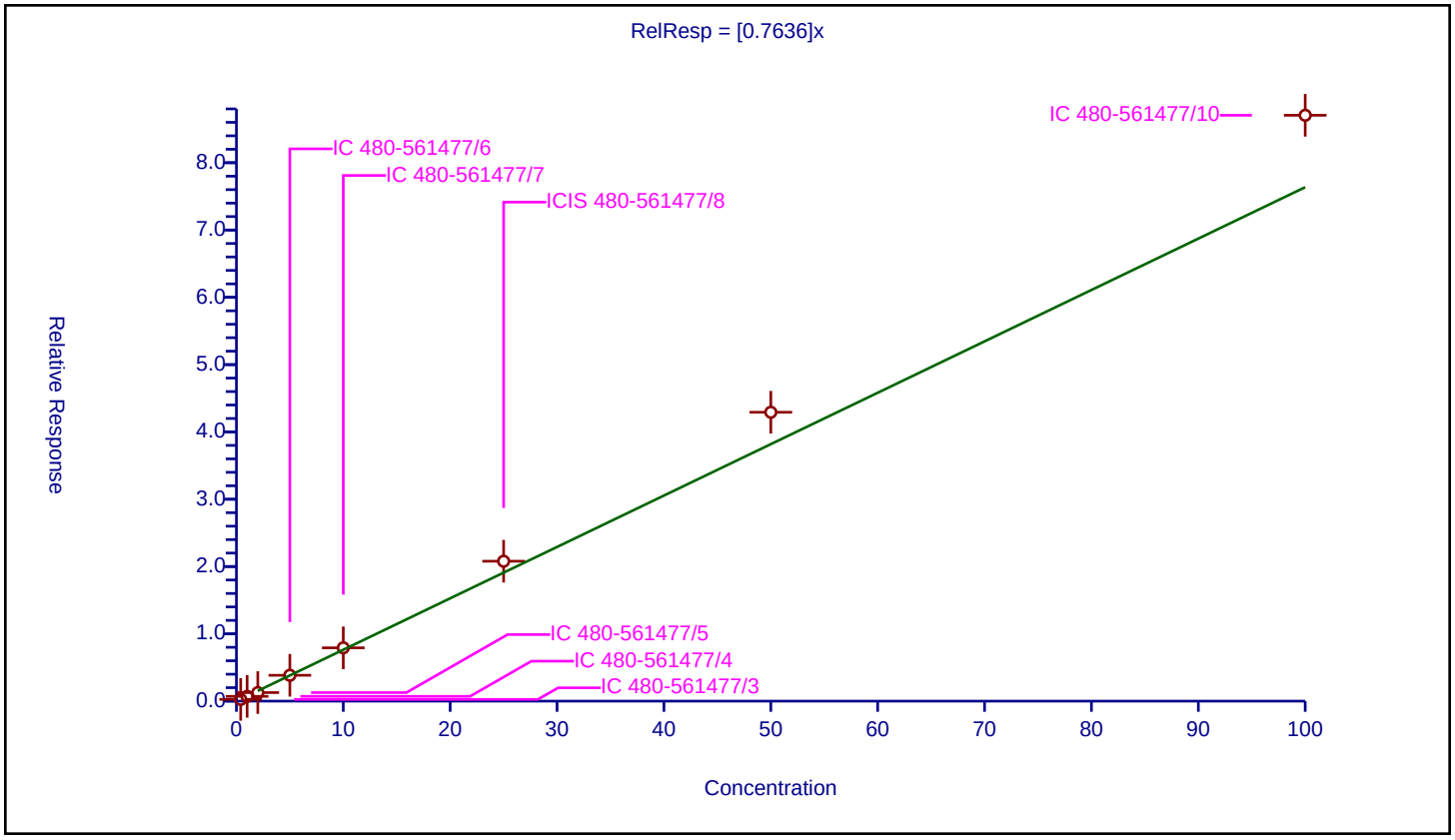
Curve Coefficients

Intercept:	0
Slope:	0.7636

Error Coefficients

Standard Error:	476000
Relative Standard Error:	12.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.257672	25.0	322406.0	0.64418	Y
2	IC 480-561477/4	1.0	0.708521	25.0	322503.0	0.708521	Y
3	IC 480-561477/5	2.0	1.271399	25.0	326471.0	0.6357	Y
4	IC 480-561477/6	5.0	3.839157	25.0	322395.0	0.767831	Y
5	IC 480-561477/7	10.0	7.922587	25.0	319094.0	0.792259	Y
6	ICIS 480-561477/8	25.0	20.791718	25.0	316887.0	0.831669	Y
7	IC 480-561477/9	50.0	42.92646	25.0	313980.0	0.858529	Y
8	IC 480-561477/10	100.0	87.051142	25.0	316414.0	0.870511	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

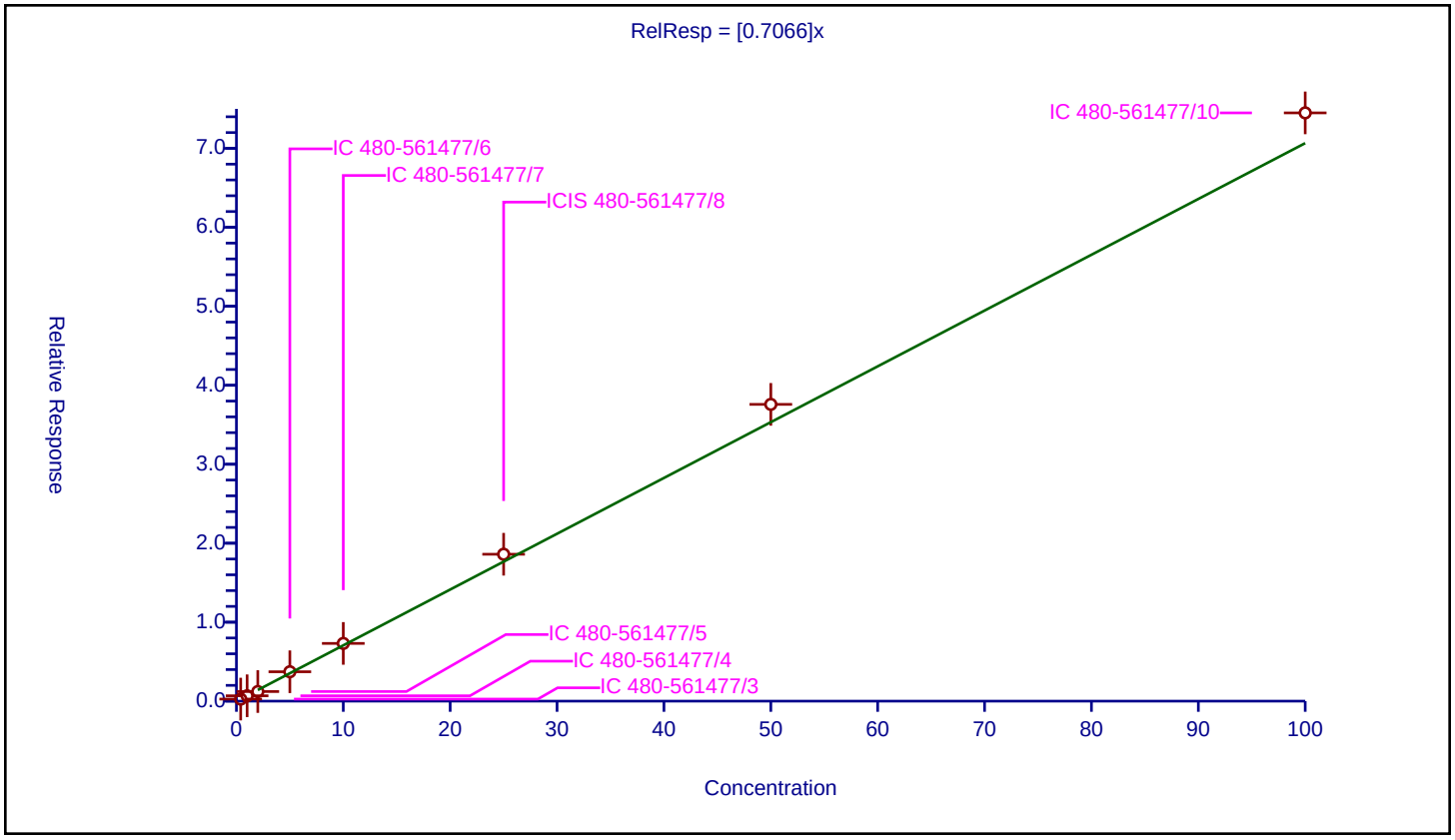
Curve Coefficients

Intercept:	0
Slope:	0.7066

Error Coefficients

Standard Error:	410000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.260386	25.0	322406.0	0.650965	Y
2	IC 480-561477/4	1.0	0.678366	25.0	322503.0	0.678366	Y
3	IC 480-561477/5	2.0	1.21435	25.0	326471.0	0.607175	Y
4	IC 480-561477/6	5.0	3.721522	25.0	322395.0	0.744304	Y
5	IC 480-561477/7	10.0	7.310542	25.0	319094.0	0.731054	Y
6	ICIS 480-561477/8	25.0	18.603477	25.0	316887.0	0.744139	Y
7	IC 480-561477/9	50.0	37.582808	25.0	313980.0	0.751656	Y
8	IC 480-561477/10	100.0	74.493859	25.0	316414.0	0.744939	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

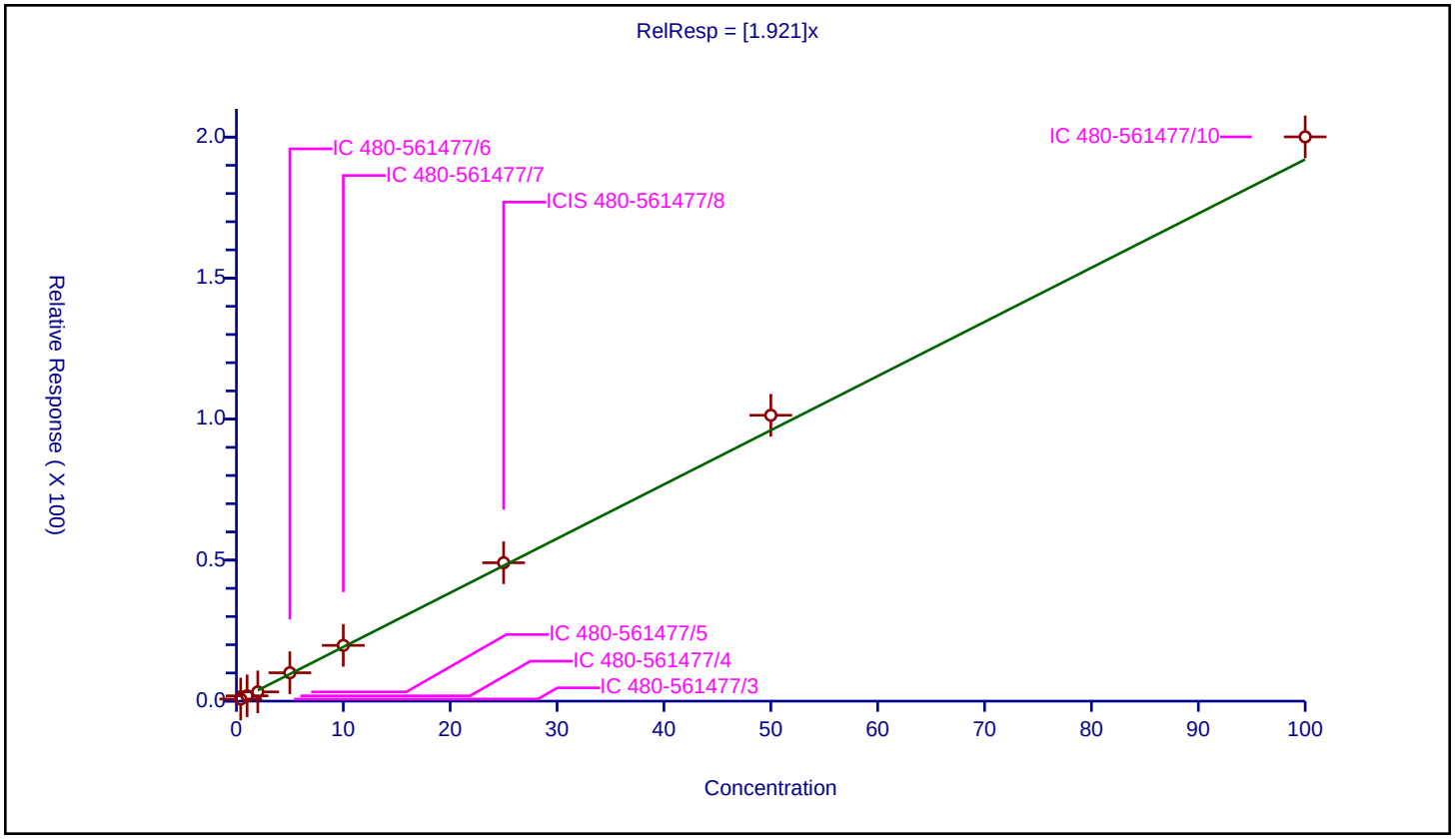
Curve Coefficients

Intercept:	0
Slope:	1.921

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.742077	25.0	322406.0	1.855192	Y
2	IC 480-561477/4	1.0	1.888665	25.0	322503.0	1.888665	Y
3	IC 480-561477/5	2.0	3.284289	25.0	326471.0	1.642144	Y
4	IC 480-561477/6	5.0	10.066999	25.0	322395.0	2.0134	Y
5	IC 480-561477/7	10.0	19.774345	25.0	319094.0	1.977435	Y
6	ICIS 480-561477/8	25.0	49.062994	25.0	316887.0	1.96252	Y
7	IC 480-561477/9	50.0	101.370549	25.0	313980.0	2.027411	Y
8	IC 480-561477/10	100.0	200.087623	25.0	316414.0	2.000876	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

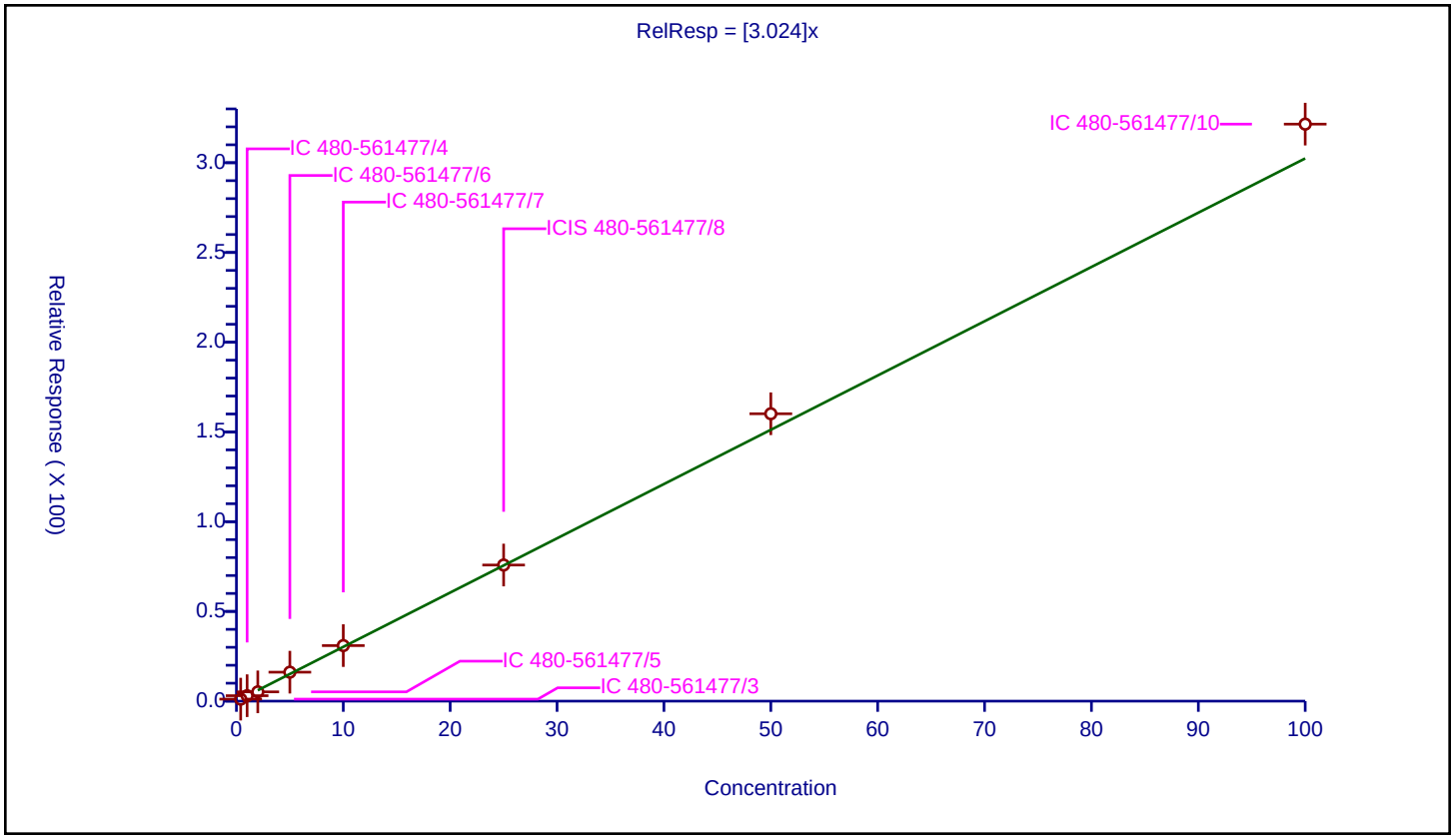
Curve Coefficients

Intercept:	0
Slope:	3.024

Error Coefficients

Standard Error:	1760000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	1.12149	25.0	322406.0	2.803724	Y
2	IC 480-561477/4	1.0	3.028344	25.0	322503.0	3.028344	Y
3	IC 480-561477/5	2.0	5.170061	25.0	326471.0	2.585031	Y
4	IC 480-561477/6	5.0	16.142853	25.0	322395.0	3.228571	Y
5	IC 480-561477/7	10.0	30.952086	25.0	319094.0	3.095209	Y
6	ICIS 480-561477/8	25.0	75.835156	25.0	316887.0	3.033406	Y
7	IC 480-561477/9	50.0	160.138146	25.0	313980.0	3.202763	Y
8	IC 480-561477/10	100.0	321.505686	25.0	316414.0	3.215057	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

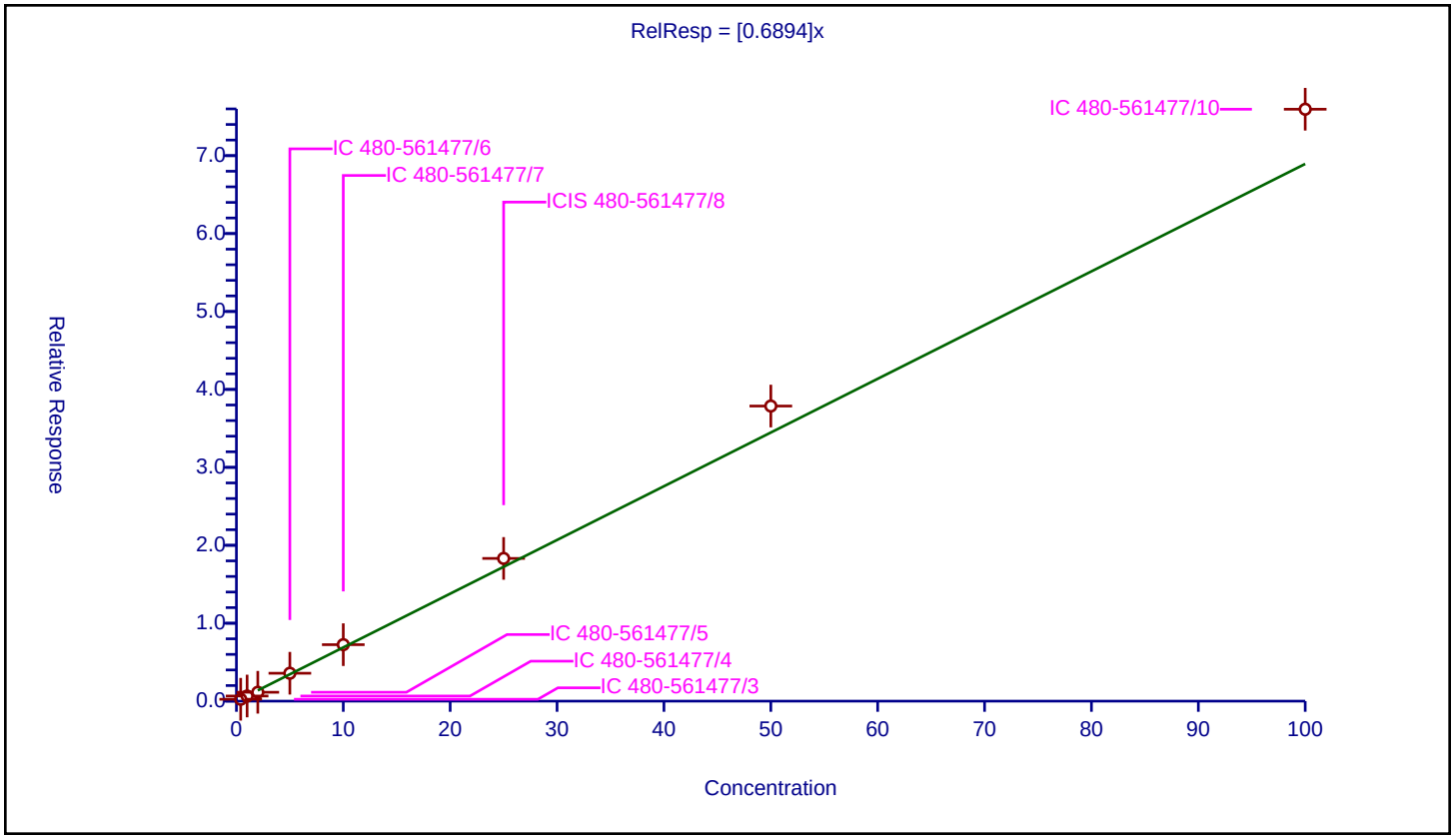
Curve Coefficients

Intercept:	0
Slope:	0.6894

Error Coefficients

Standard Error:	417000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.23945	25.0	322406.0	0.598624	Y
2	IC 480-561477/4	1.0	0.656738	25.0	322503.0	0.656738	Y
3	IC 480-561477/5	2.0	1.139535	25.0	326471.0	0.569767	Y
4	IC 480-561477/6	5.0	3.578762	25.0	322395.0	0.715752	Y
5	IC 480-561477/7	10.0	7.248569	25.0	319094.0	0.724857	Y
6	ICIS 480-561477/8	25.0	18.313232	25.0	316887.0	0.732529	Y
7	IC 480-561477/9	50.0	37.867141	25.0	313980.0	0.757343	Y
8	IC 480-561477/10	100.0	75.955236	25.0	316414.0	0.759552	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

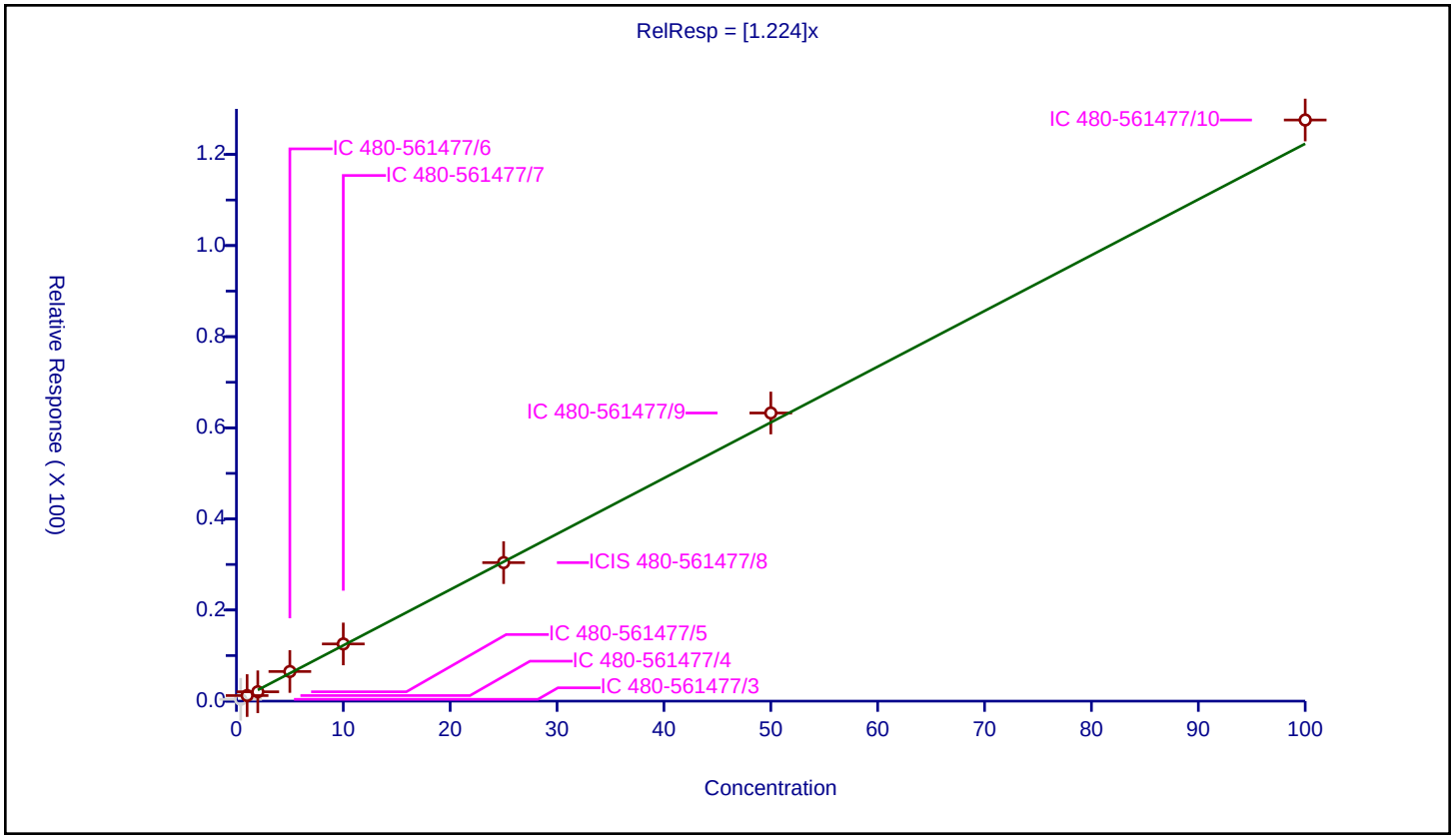
Curve Coefficients

Intercept:	0
Slope:	1.224

Error Coefficients

Standard Error:	755000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.40221	25.0	322406.0	1.005526	N
2	IC 480-561477/4	1.0	1.223244	25.0	322503.0	1.223244	Y
3	IC 480-561477/5	2.0	2.057687	25.0	326471.0	1.028843	Y
4	IC 480-561477/6	5.0	6.504211	25.0	322395.0	1.300842	Y
5	IC 480-561477/7	10.0	12.552727	25.0	319094.0	1.255273	Y
6	ICIS 480-561477/8	25.0	30.403346	25.0	316887.0	1.216134	Y
7	IC 480-561477/9	50.0	63.245907	25.0	313980.0	1.264918	Y
8	IC 480-561477/10	100.0	127.562703	25.0	316414.0	1.275627	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

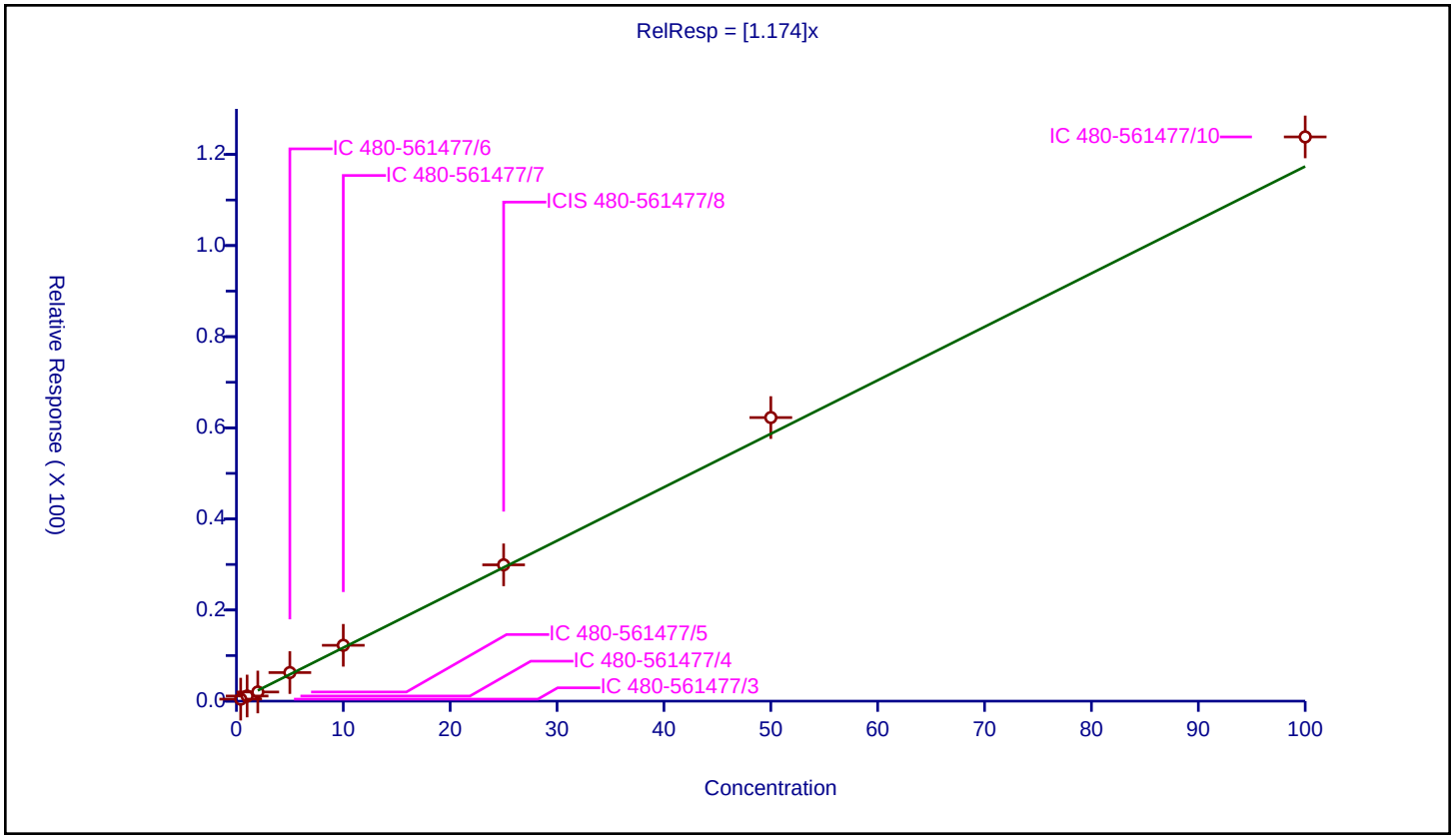
Curve Coefficients

Intercept:	0
Slope:	1.174

Error Coefficients

Standard Error:	681000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.440206	25.0	322406.0	1.100515	Y
2	IC 480-561477/4	1.0	1.125338	25.0	322503.0	1.125338	Y
3	IC 480-561477/5	2.0	2.007376	25.0	326471.0	1.003688	Y
4	IC 480-561477/6	5.0	6.271809	25.0	322395.0	1.254362	Y
5	IC 480-561477/7	10.0	12.258927	25.0	319094.0	1.225893	Y
6	ICIS 480-561477/8	25.0	29.915396	25.0	316887.0	1.196616	Y
7	IC 480-561477/9	50.0	62.245923	25.0	313980.0	1.244918	Y
8	IC 480-561477/10	100.0	123.848028	25.0	316414.0	1.23848	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

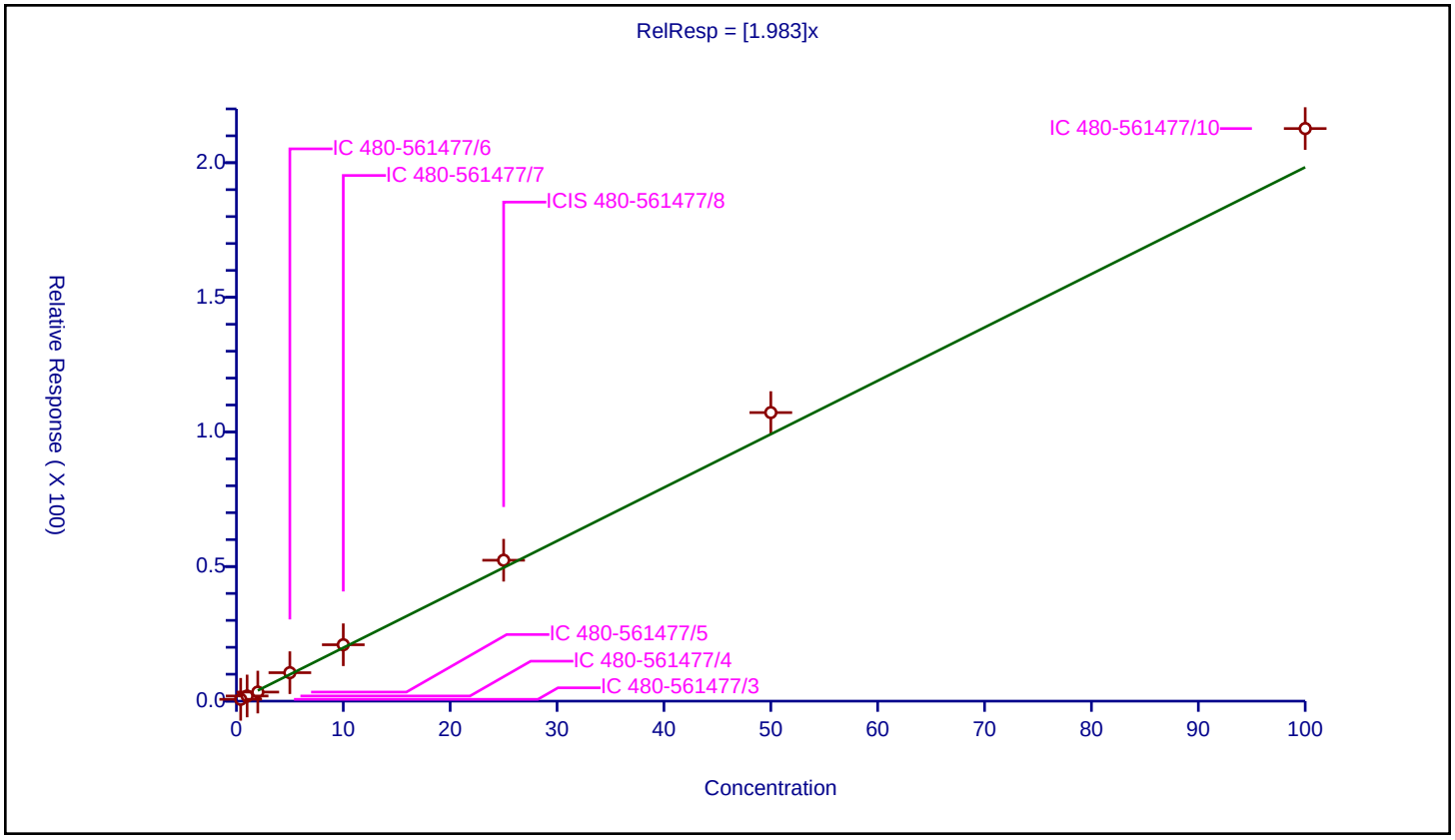
Curve Coefficients

Intercept:	0
Slope:	1.983

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	9.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.677329	25.0	322406.0	1.693323	Y
2	IC 480-561477/4	1.0	1.914168	25.0	322503.0	1.914168	Y
3	IC 480-561477/5	2.0	3.369059	25.0	326471.0	1.684529	Y
4	IC 480-561477/6	5.0	10.570341	25.0	322395.0	2.114068	Y
5	IC 480-561477/7	10.0	20.950801	25.0	319094.0	2.09508	Y
6	ICIS 480-561477/8	25.0	52.34003	25.0	316887.0	2.093601	Y
7	IC 480-561477/9	50.0	107.194407	25.0	313980.0	2.143888	Y
8	IC 480-561477/10	100.0	212.693101	25.0	316414.0	2.126931	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

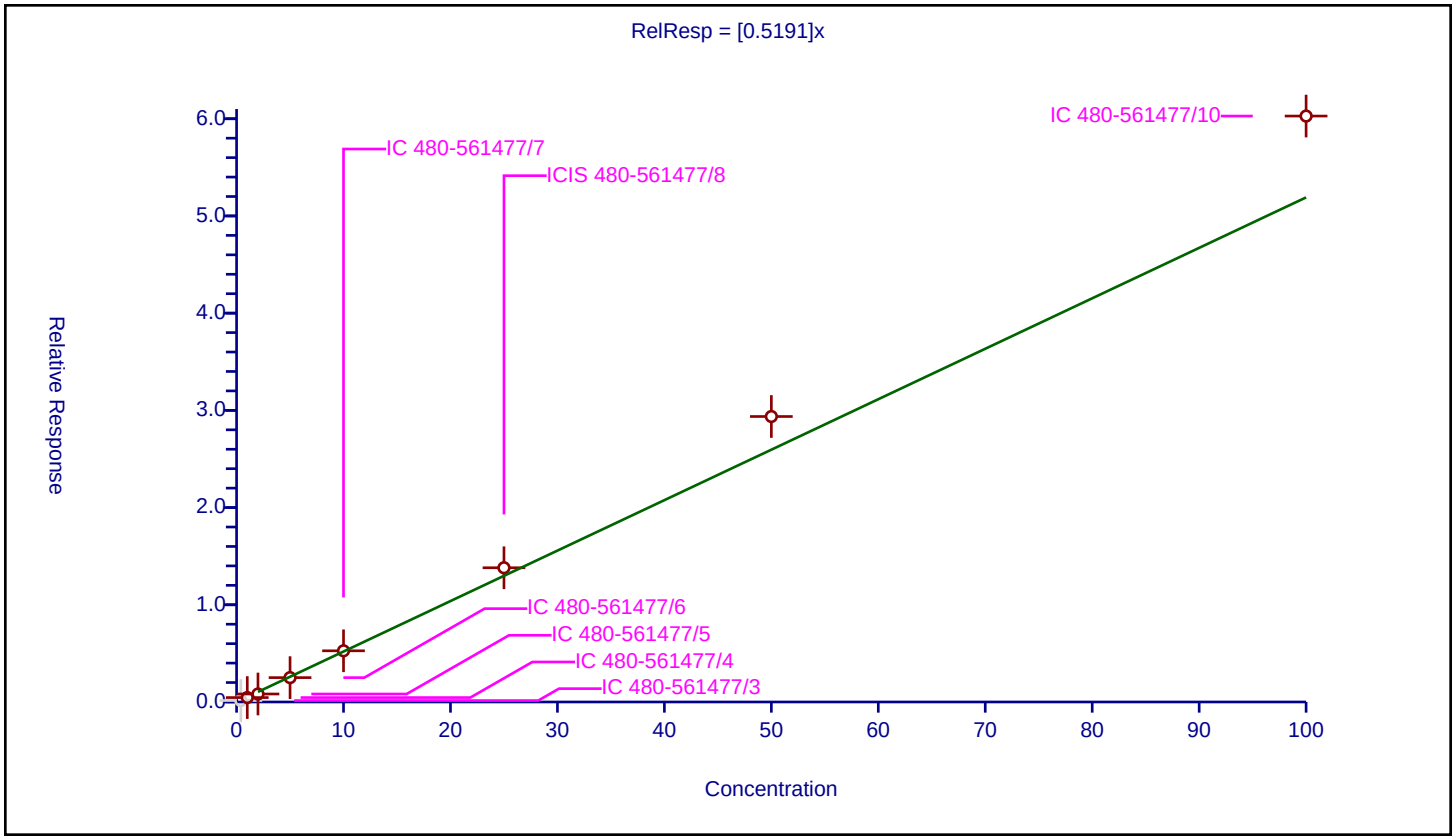
Curve Coefficients

Intercept:	0
Slope:	0.5191

Error Coefficients

Standard Error:	355000
Relative Standard Error:	13.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.149346	25.0	322406.0	0.373365	N
2	IC 480-561477/4	1.0	0.452709	25.0	322503.0	0.452709	Y
3	IC 480-561477/5	2.0	0.821206	25.0	326471.0	0.410603	Y
4	IC 480-561477/6	5.0	2.50632	25.0	322395.0	0.501264	Y
5	IC 480-561477/7	10.0	5.265455	25.0	319094.0	0.526545	Y
6	ICIS 480-561477/8	25.0	13.806814	25.0	316887.0	0.552273	Y
7	IC 480-561477/9	50.0	29.368829	25.0	313980.0	0.587377	Y
8	IC 480-561477/10	100.0	60.27483	25.0	316414.0	0.602748	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

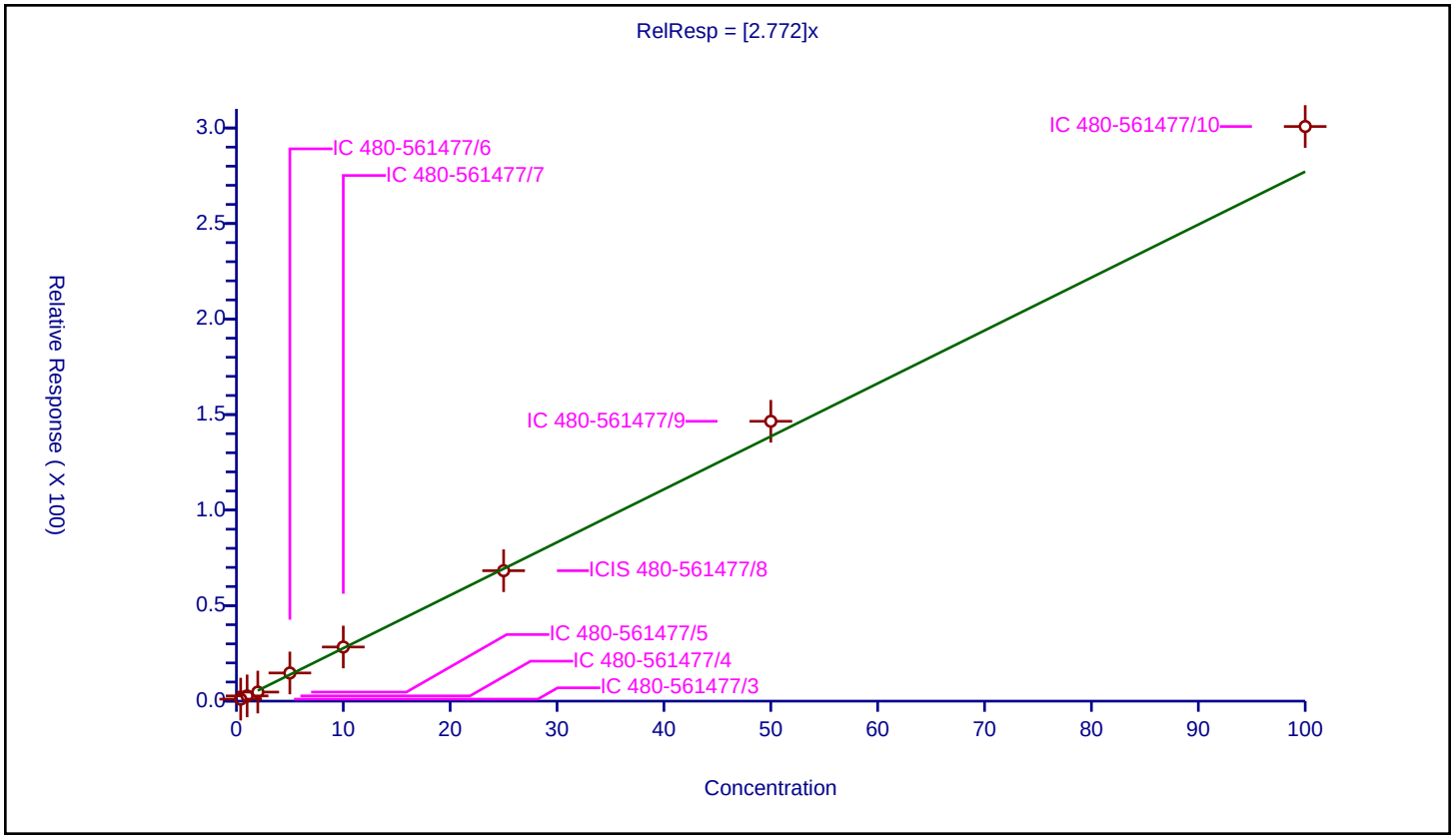
Curve Coefficients

Intercept:	0
Slope:	2.772

Error Coefficients

Standard Error:	1780000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	1.045984	25.0	354714.0	2.614959	Y
2	IC 480-561477/4	1.0	2.733089	25.0	355605.0	2.733089	Y
3	IC 480-561477/5	2.0	4.75015	25.0	356494.0	2.375075	Y
4	IC 480-561477/6	5.0	14.740879	25.0	356841.0	2.948176	Y
5	IC 480-561477/7	10.0	28.329877	25.0	353429.0	2.832988	Y
6	ICIS 480-561477/8	25.0	68.270261	25.0	350998.0	2.73081	Y
7	IC 480-561477/9	50.0	146.48556	25.0	343362.0	2.929711	Y
8	IC 480-561477/10	100.0	300.78497	25.0	343835.0	3.00785	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

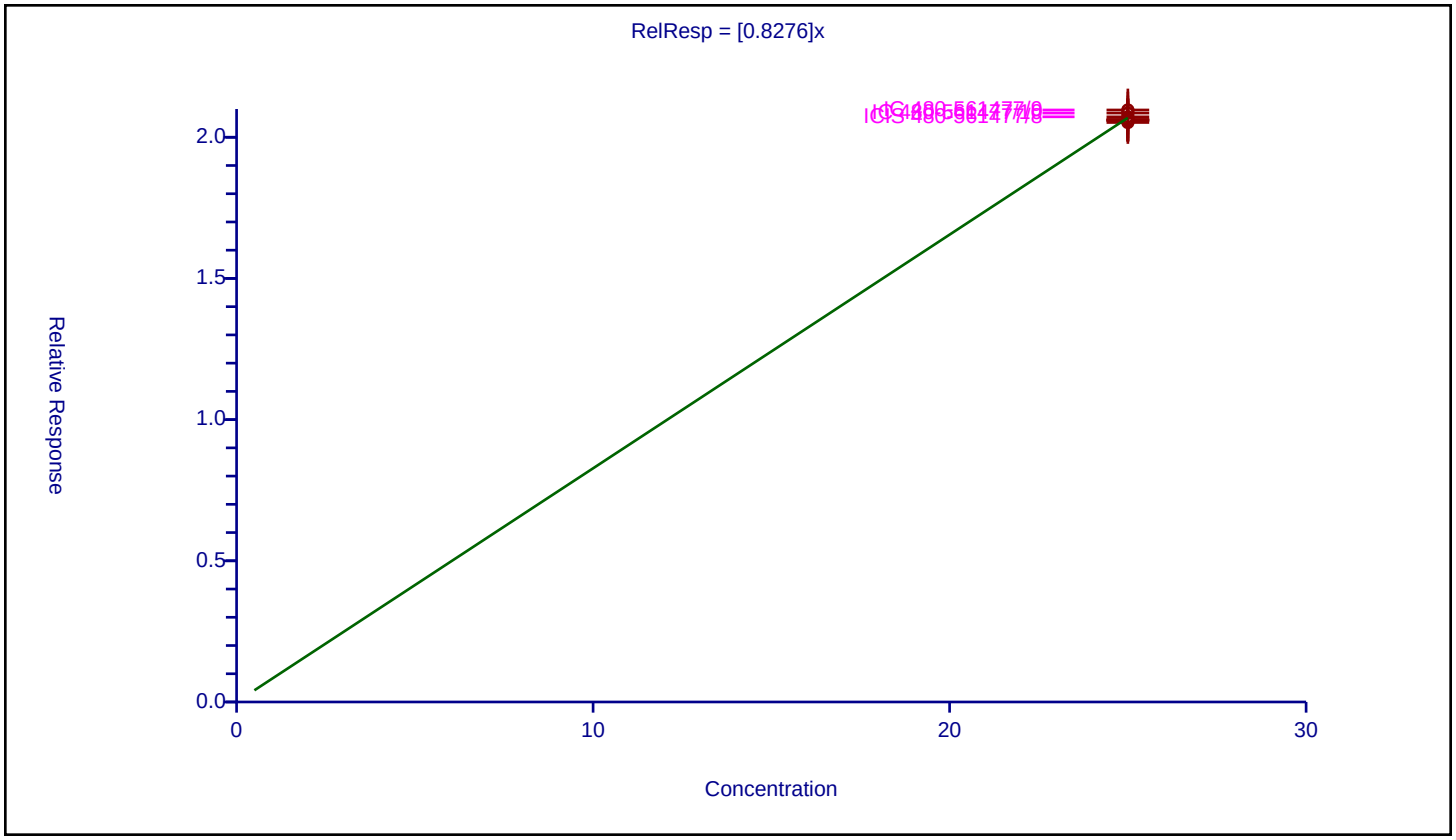
Curve Coefficients

Intercept:	0
Slope:	0.8276

Error Coefficients

Standard Error:	283000
Relative Standard Error:	0.7
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	25.0	20.522571	25.0	322406.0	0.820903	Y
2	IC 480-561477/4	25.0	20.592134	25.0	322503.0	0.823685	Y
3	IC 480-561477/5	25.0	20.597618	25.0	326471.0	0.823905	Y
4	IC 480-561477/6	25.0	20.629042	25.0	322395.0	0.825162	Y
5	IC 480-561477/7	25.0	20.62621	25.0	319094.0	0.825048	Y
6	ICIS 480-561477/8	25.0	20.723712	25.0	316887.0	0.828948	Y
7	IC 480-561477/9	25.0	20.966144	25.0	313980.0	0.838646	Y
8	IC 480-561477/10	25.0	20.856615	25.0	316414.0	0.834265	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

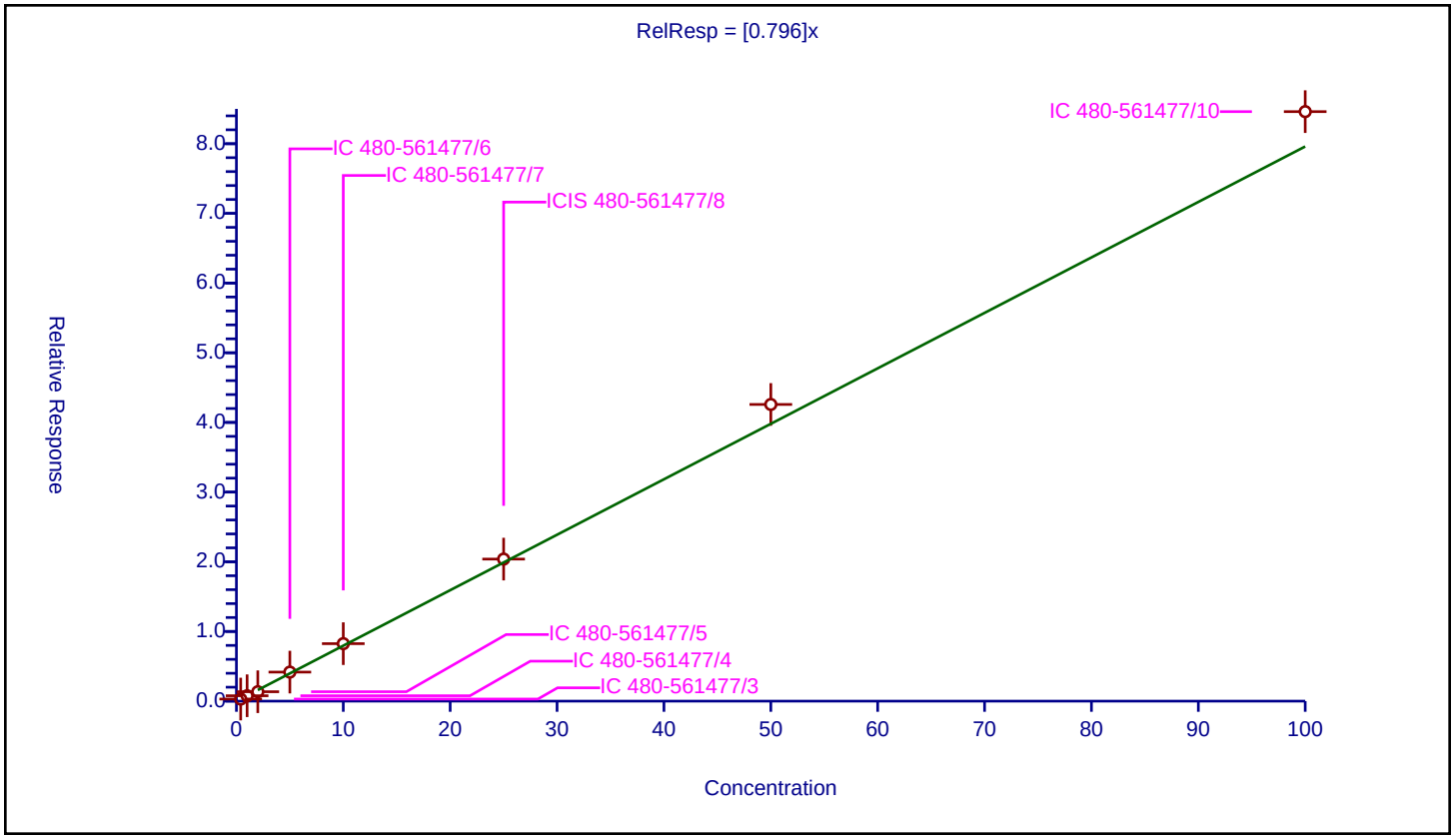
Curve Coefficients

Intercept:	0
Slope:	0.796

Error Coefficients

Standard Error:	506000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.298973	25.0	354714.0	0.747433	Y
2	IC 480-561477/4	1.0	0.773611	25.0	355605.0	0.773611	Y
3	IC 480-561477/5	2.0	1.350233	25.0	356494.0	0.675117	Y
4	IC 480-561477/6	5.0	4.169994	25.0	356841.0	0.833999	Y
5	IC 480-561477/7	10.0	8.249889	25.0	353429.0	0.824989	Y
6	ICIS 480-561477/8	25.0	20.38815	25.0	350998.0	0.815526	Y
7	IC 480-561477/9	50.0	42.581299	25.0	343362.0	0.851626	Y
8	IC 480-561477/10	100.0	84.604389	25.0	343835.0	0.846044	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

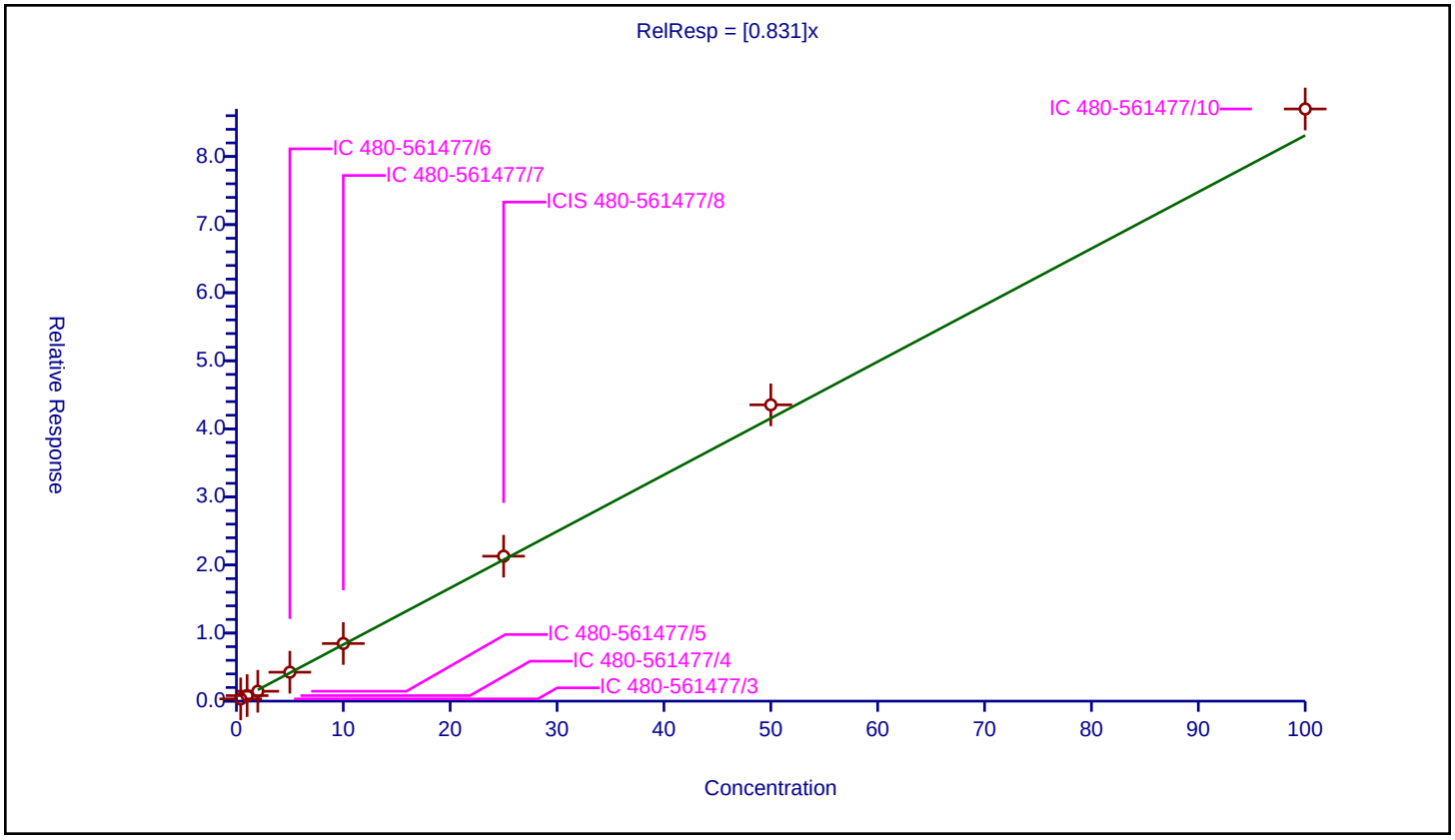
Curve Coefficients

Intercept:	0
Slope:	0.831

Error Coefficients

Standard Error:	520000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.328997	25.0	354714.0	0.822494	Y
2	IC 480-561477/4	1.0	0.810309	25.0	355605.0	0.810309	Y
3	IC 480-561477/5	2.0	1.452759	25.0	356494.0	0.72638	Y
4	IC 480-561477/6	5.0	4.251684	25.0	356841.0	0.850337	Y
5	IC 480-561477/7	10.0	8.465632	25.0	353429.0	0.846563	Y
6	ICIS 480-561477/8	25.0	21.29193	25.0	350998.0	0.851677	Y
7	IC 480-561477/9	50.0	43.527239	25.0	343362.0	0.870545	Y
8	IC 480-561477/10	100.0	86.986709	25.0	343835.0	0.869867	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

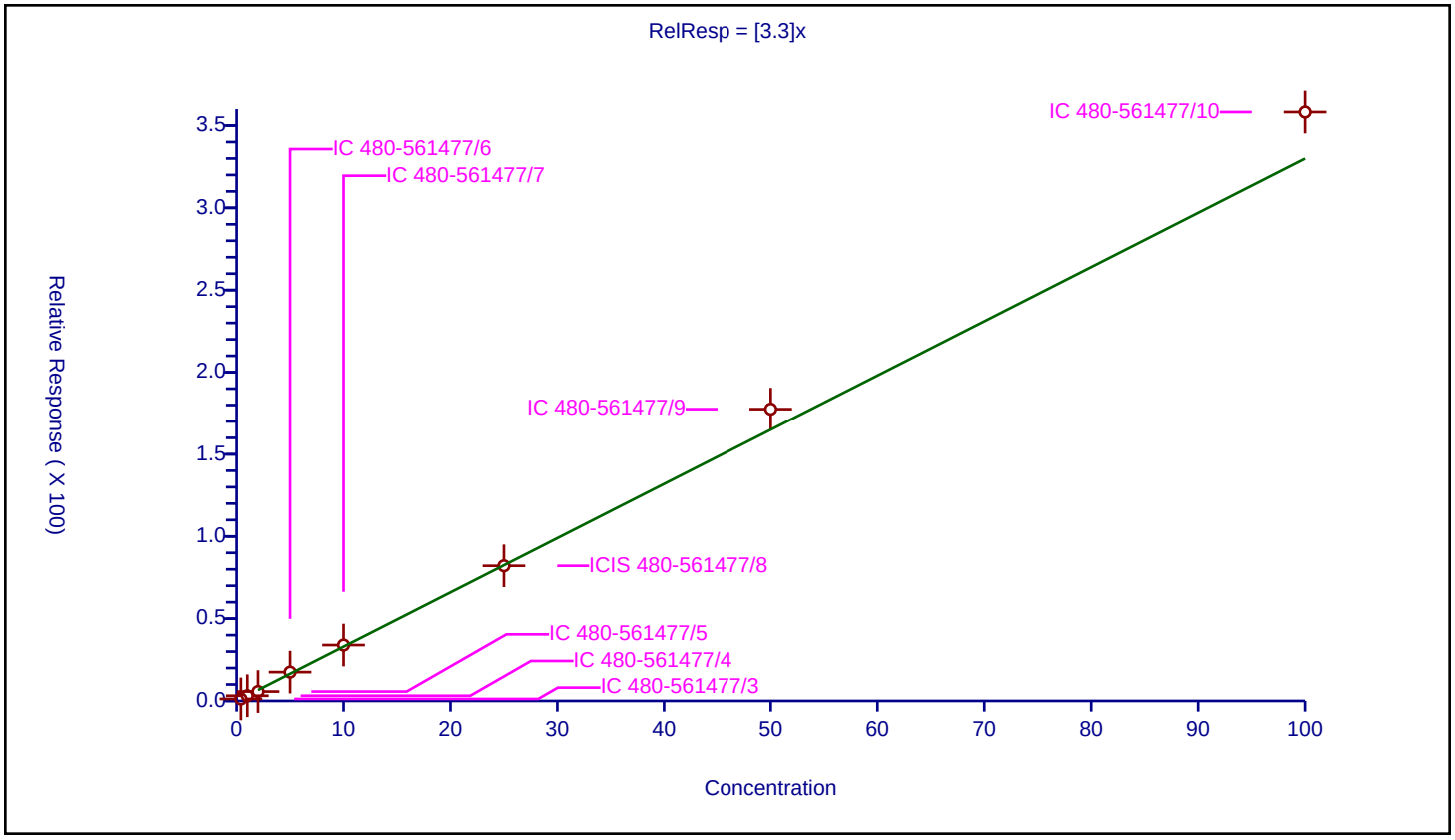
Curve Coefficients

Intercept:	0
Slope:	3.3

Error Coefficients

Standard Error:	2130000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	1.224155	25.0	354714.0	3.060388	Y
2	IC 480-561477/4	1.0	3.160248	25.0	355605.0	3.160248	Y
3	IC 480-561477/5	2.0	5.711947	25.0	356494.0	2.855974	Y
4	IC 480-561477/6	5.0	17.526994	25.0	356841.0	3.505399	Y
5	IC 480-561477/7	10.0	33.968916	25.0	353429.0	3.396892	Y
6	ICIS 480-561477/8	25.0	82.135938	25.0	350998.0	3.285438	Y
7	IC 480-561477/9	50.0	177.516659	25.0	343362.0	3.550333	Y
8	IC 480-561477/10	100.0	358.199863	25.0	343835.0	3.581999	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

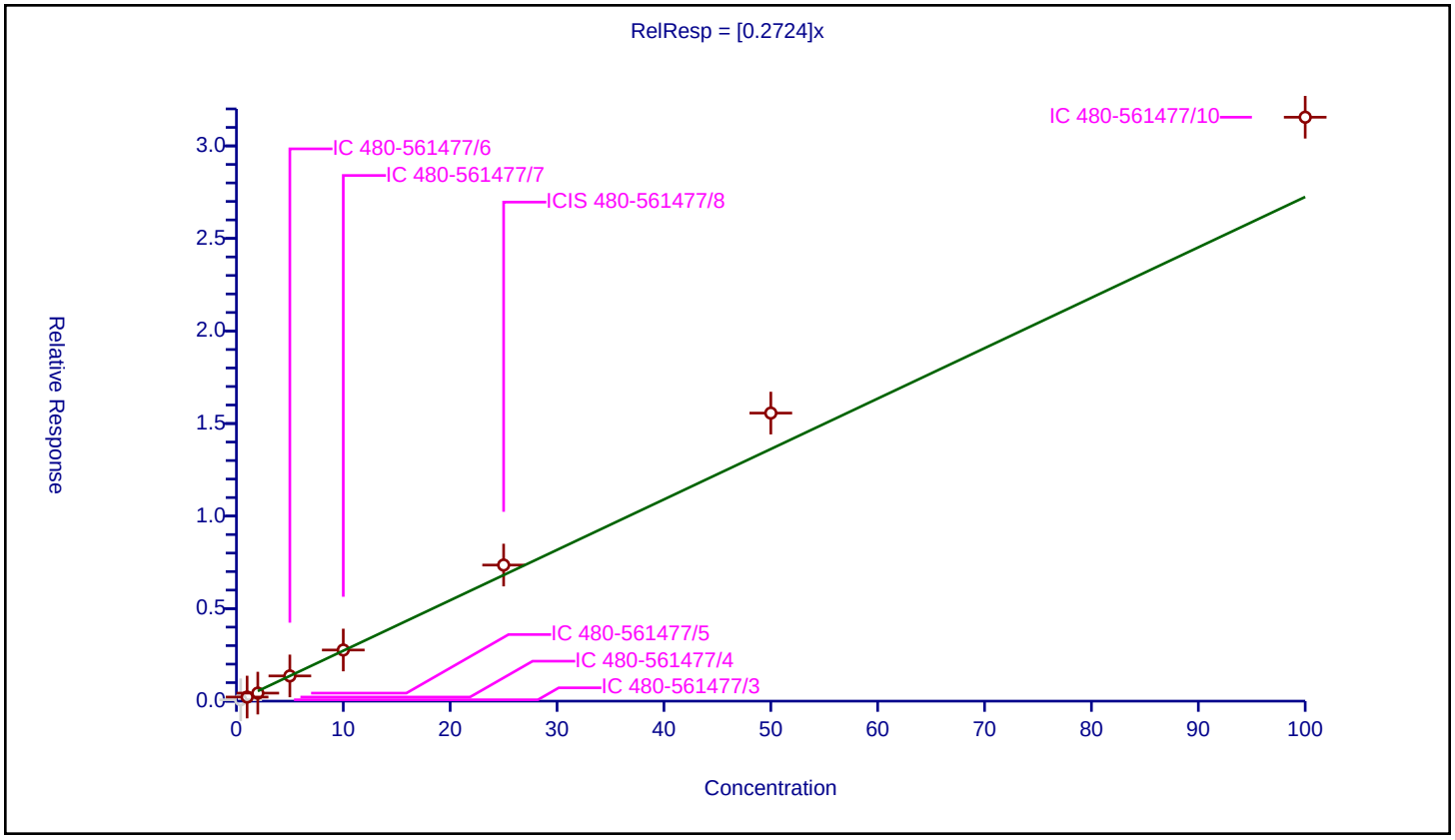
Curve Coefficients

Intercept:	0
Slope:	0.2724

Error Coefficients

Standard Error:	203000
Relative Standard Error:	14.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.074779	25.0	354714.0	0.186946	N
2	IC 480-561477/4	1.0	0.22068	25.0	355605.0	0.22068	Y
3	IC 480-561477/5	2.0	0.433598	25.0	356494.0	0.216799	Y
4	IC 480-561477/6	5.0	1.362582	25.0	356841.0	0.272516	Y
5	IC 480-561477/7	10.0	2.762012	25.0	353429.0	0.276201	Y
6	ICIS 480-561477/8	25.0	7.352962	25.0	350998.0	0.294118	Y
7	IC 480-561477/9	50.0	15.564332	25.0	343362.0	0.311287	Y
8	IC 480-561477/10	100.0	31.550089	25.0	343835.0	0.315501	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

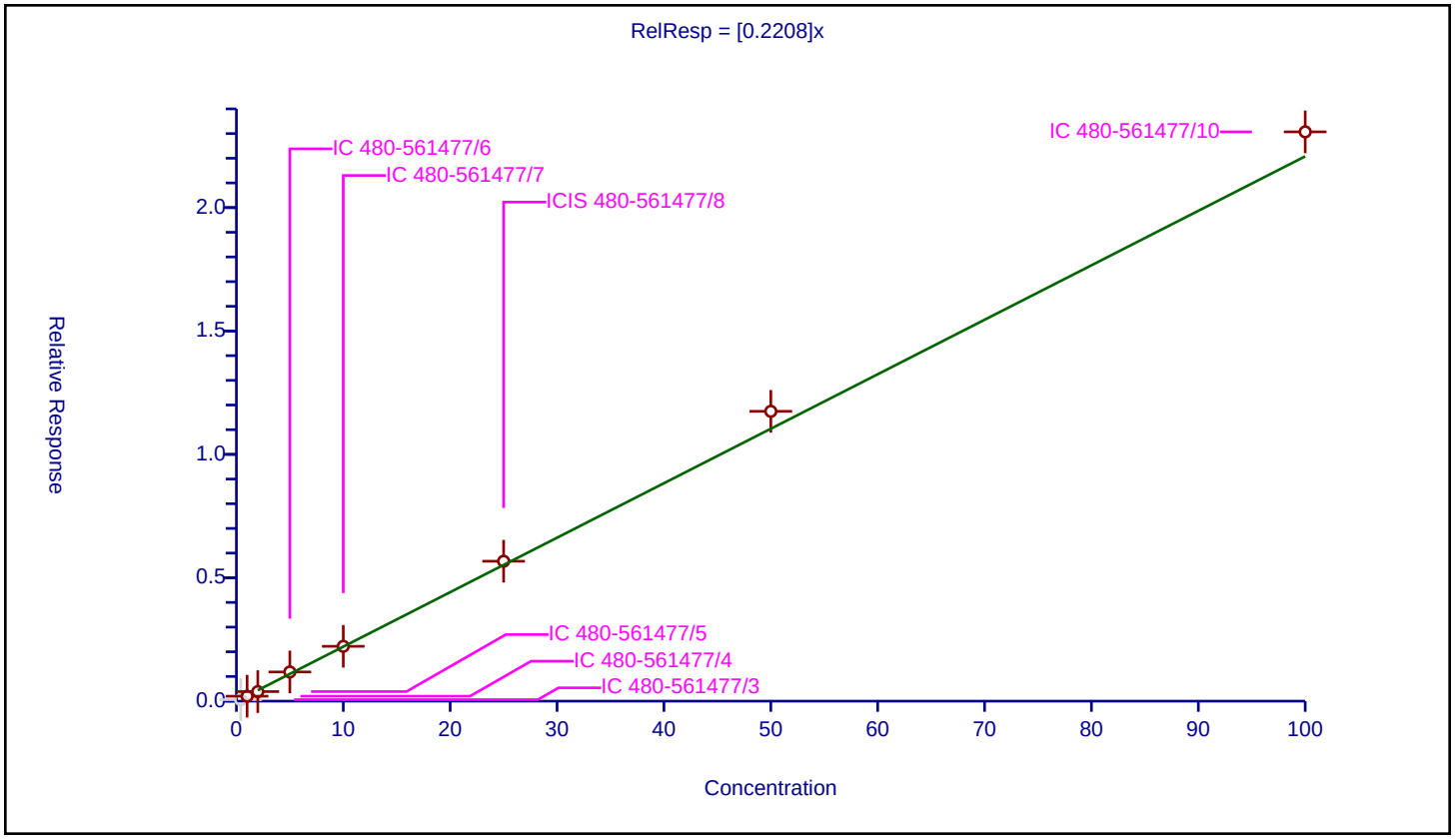
Curve Coefficients

Intercept:	0
Slope:	0.2208

Error Coefficients

Standard Error:	150000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.060542	25.0	354714.0	0.151354	N
2	IC 480-561477/4	1.0	0.200714	25.0	355605.0	0.200714	Y
3	IC 480-561477/5	2.0	0.387454	25.0	356494.0	0.193727	Y
4	IC 480-561477/6	5.0	1.182039	25.0	356841.0	0.236408	Y
5	IC 480-561477/7	10.0	2.221592	25.0	353429.0	0.222159	Y
6	ICIS 480-561477/8	25.0	5.670403	25.0	350998.0	0.226816	Y
7	IC 480-561477/9	50.0	11.744092	25.0	343362.0	0.234882	Y
8	IC 480-561477/10	100.0	23.068041	25.0	343835.0	0.23068	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

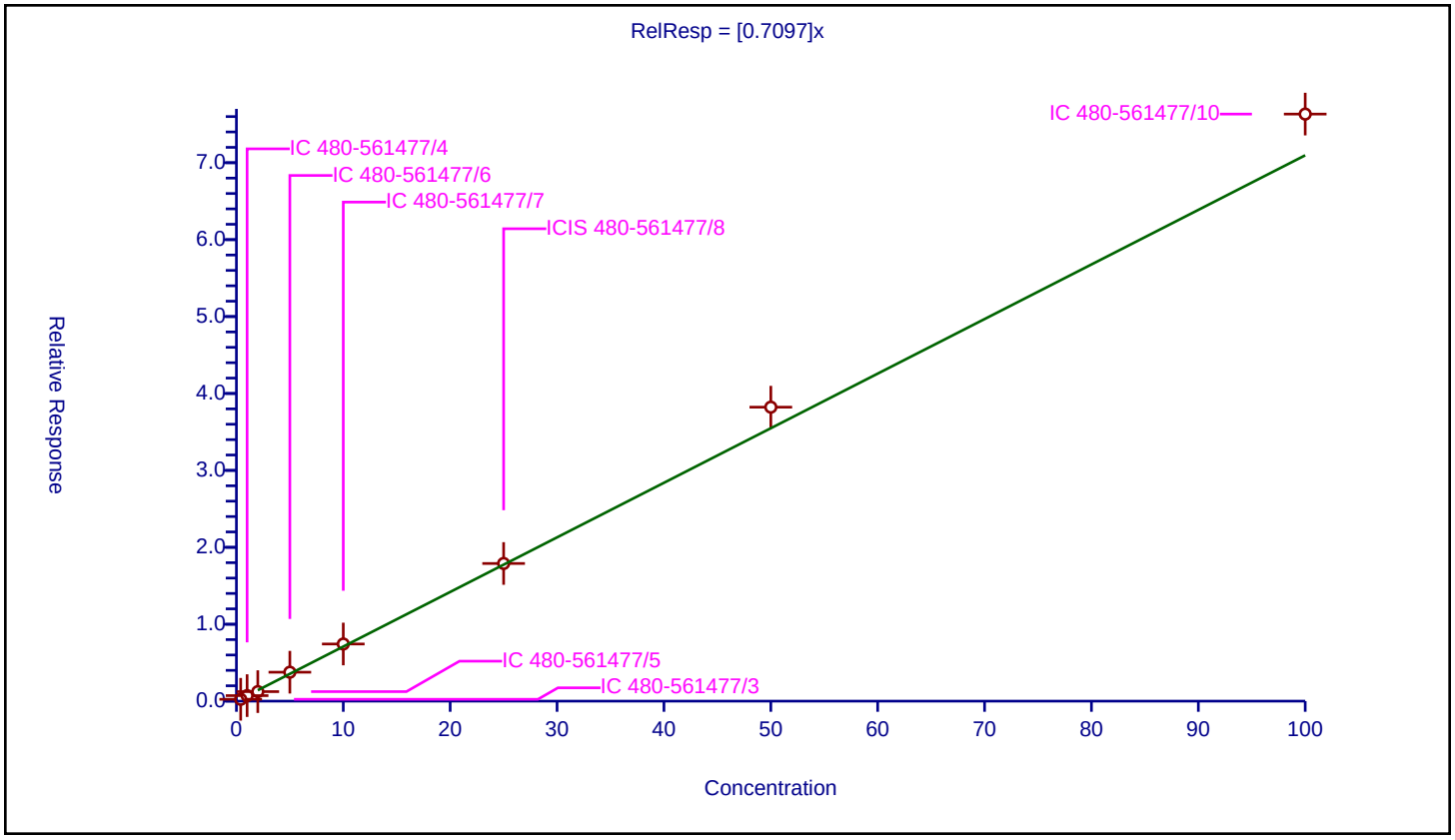
Curve Coefficients

Intercept:	0
Slope:	0.7097

Error Coefficients

Standard Error:	456000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.239912	25.0	354714.0	0.599779	Y
2	IC 480-561477/4	1.0	0.718775	25.0	355605.0	0.718775	Y
3	IC 480-561477/5	2.0	1.239432	25.0	356494.0	0.619716	Y
4	IC 480-561477/6	5.0	3.76232	25.0	356841.0	0.752464	Y
5	IC 480-561477/7	10.0	7.429427	25.0	353429.0	0.742943	Y
6	ICIS 480-561477/8	25.0	17.89882	25.0	350998.0	0.715953	Y
7	IC 480-561477/9	50.0	38.218775	25.0	343362.0	0.764375	Y
8	IC 480-561477/10	100.0	76.323382	25.0	343835.0	0.763234	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

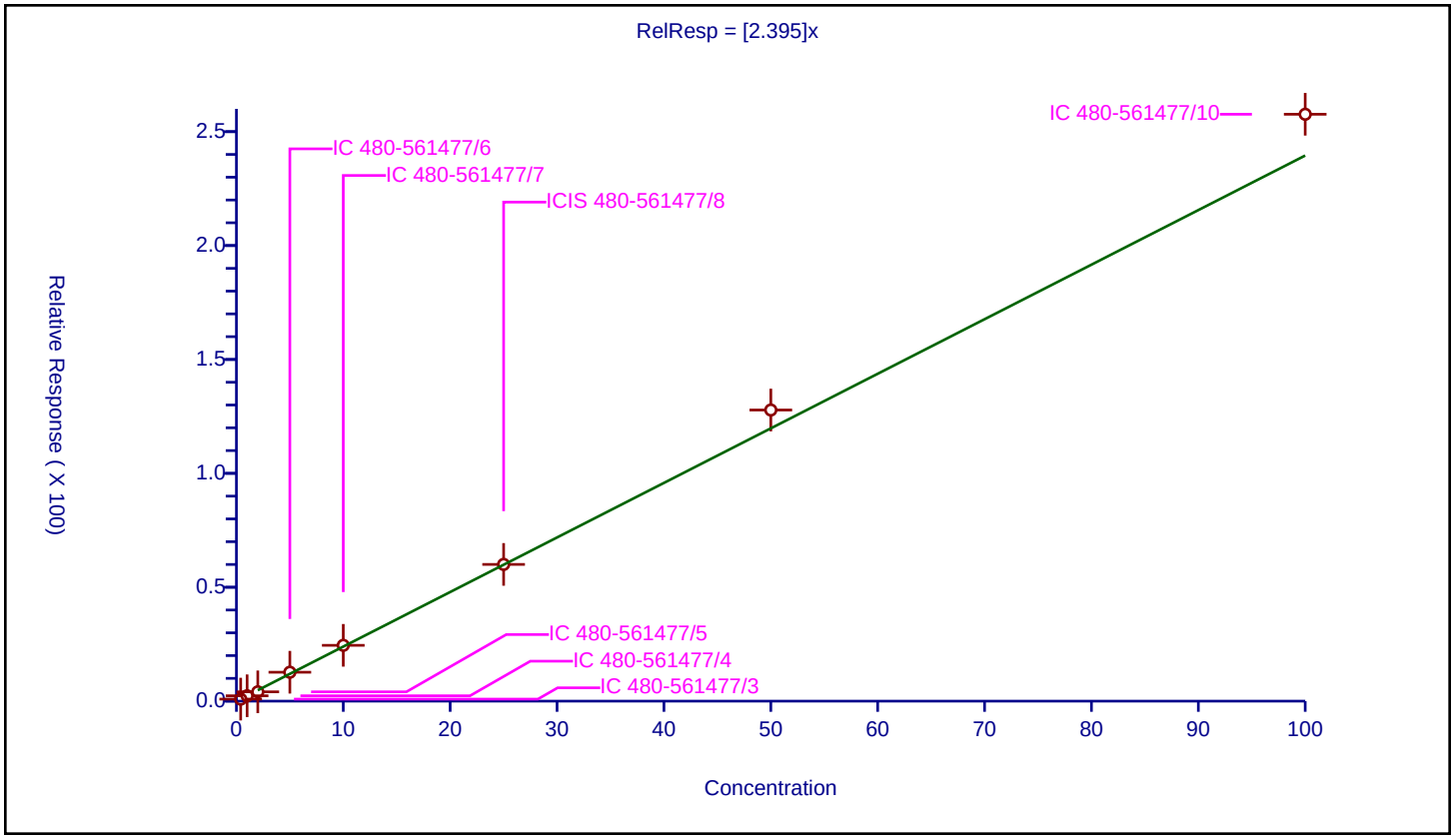
Curve Coefficients

Intercept:	0
Slope:	2.395

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.89544	25.0	354714.0	2.238599	Y
2	IC 480-561477/4	1.0	2.357672	25.0	355605.0	2.357672	Y
3	IC 480-561477/5	2.0	4.088708	25.0	356494.0	2.044354	Y
4	IC 480-561477/6	5.0	12.686673	25.0	356841.0	2.537335	Y
5	IC 480-561477/7	10.0	24.496858	25.0	353429.0	2.449686	Y
6	ICIS 480-561477/8	25.0	60.027194	25.0	350998.0	2.401088	Y
7	IC 480-561477/9	50.0	127.808042	25.0	343362.0	2.556161	Y
8	IC 480-561477/10	100.0	257.633531	25.0	343835.0	2.576335	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

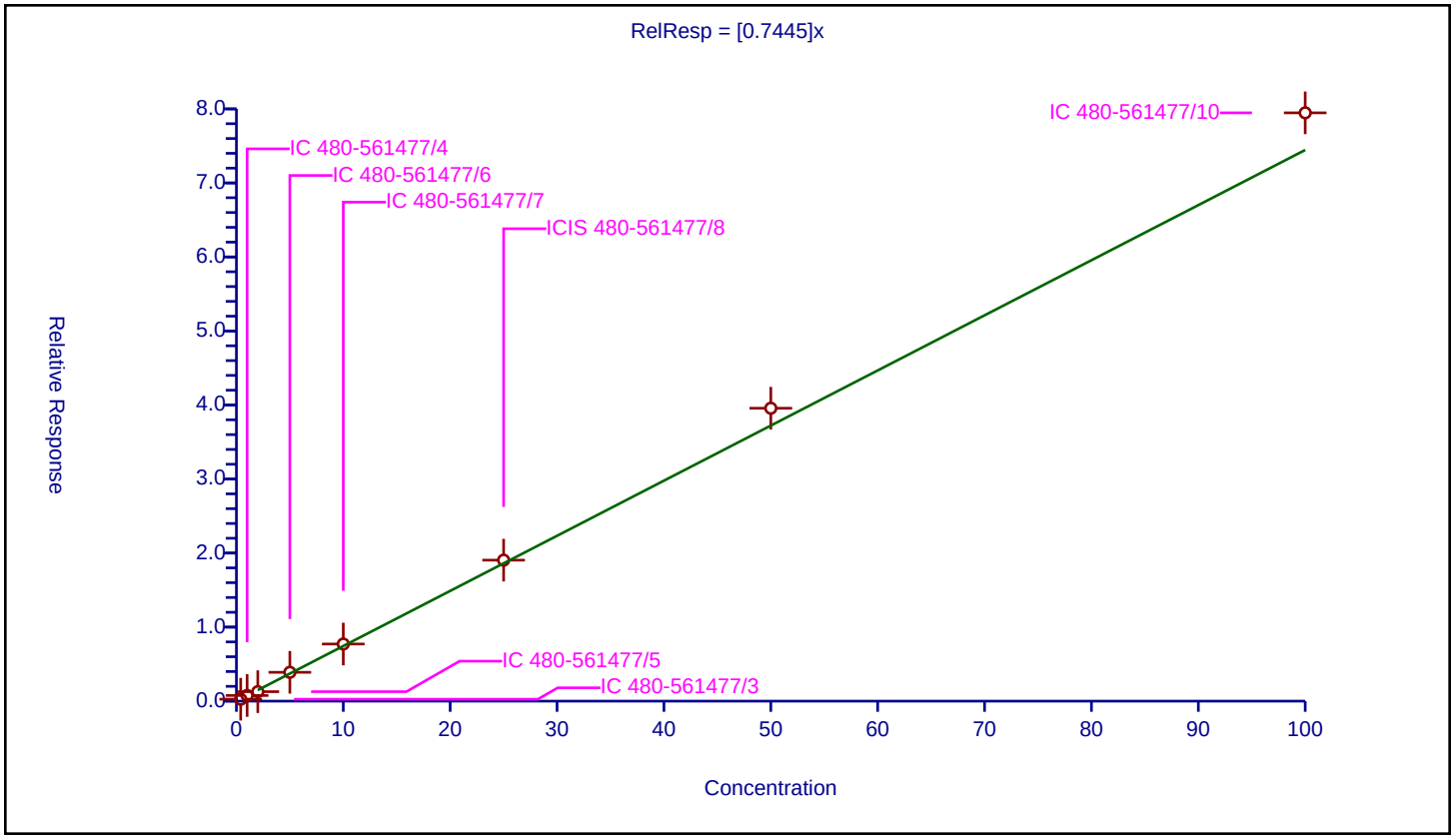
Curve Coefficients

Intercept:	0
Slope:	0.7445

Error Coefficients

Standard Error:	475000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.261337	25.0	354714.0	0.653343	Y
2	IC 480-561477/4	1.0	0.76405	25.0	355605.0	0.76405	Y
3	IC 480-561477/5	2.0	1.280036	25.0	356494.0	0.640018	Y
4	IC 480-561477/6	5.0	3.895502	25.0	356841.0	0.7791	Y
5	IC 480-561477/7	10.0	7.714845	25.0	353429.0	0.771485	Y
6	ICIS 480-561477/8	25.0	19.045336	25.0	350998.0	0.761813	Y
7	IC 480-561477/9	50.0	39.565968	25.0	343362.0	0.791319	Y
8	IC 480-561477/10	100.0	79.467768	25.0	343835.0	0.794678	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

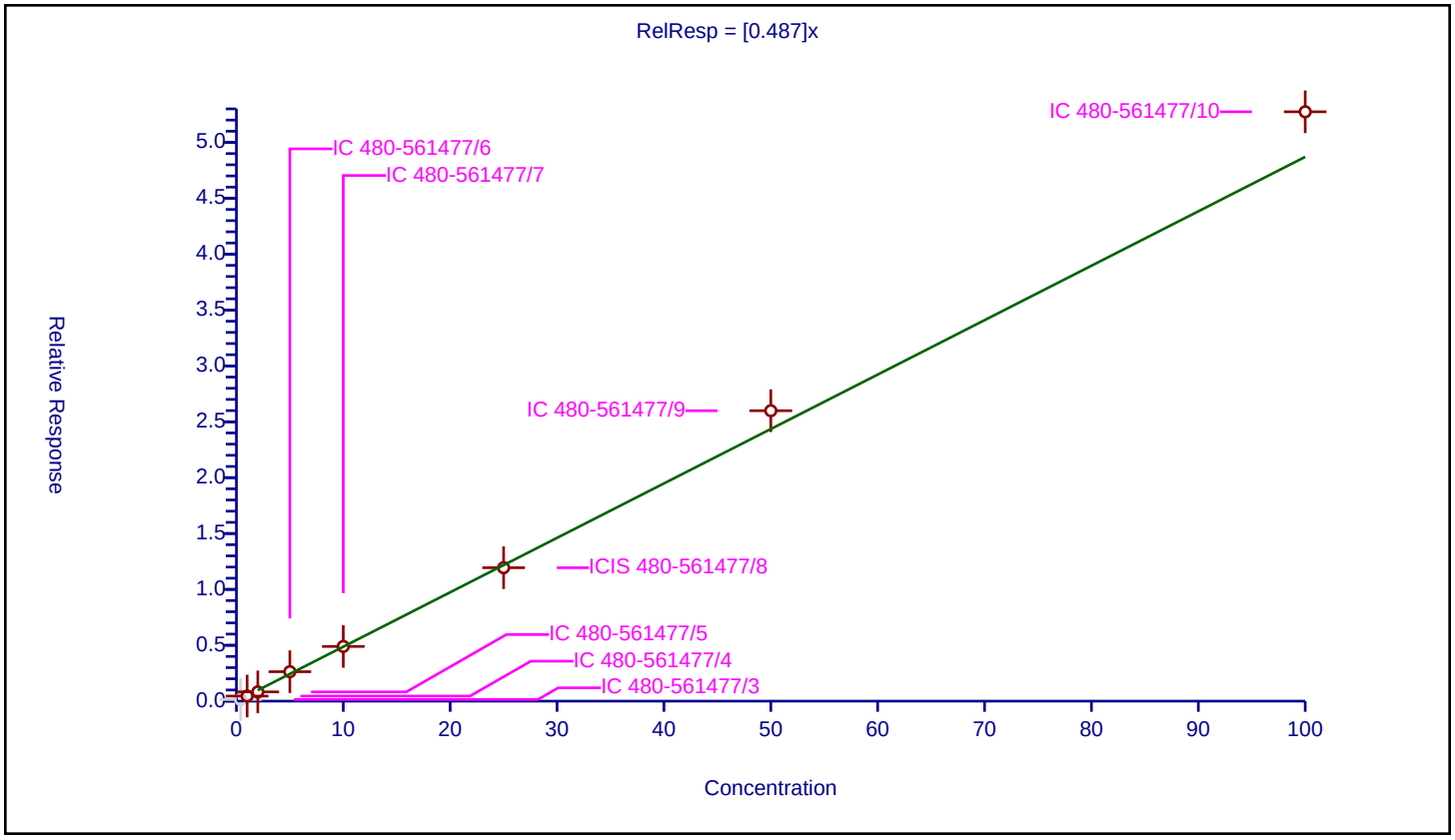
Curve Coefficients

Intercept:	0
Slope:	0.487

Error Coefficients

Standard Error:	339000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.146808	25.0	354714.0	0.367021	N
2	IC 480-561477/4	1.0	0.454156	25.0	355605.0	0.454156	Y
3	IC 480-561477/5	2.0	0.827924	25.0	356494.0	0.413962	Y
4	IC 480-561477/6	5.0	2.635347	25.0	356841.0	0.527069	Y
5	IC 480-561477/7	10.0	4.893345	25.0	353429.0	0.489334	Y
6	ICIS 480-561477/8	25.0	11.939455	25.0	350998.0	0.477578	Y
7	IC 480-561477/9	50.0	25.991592	25.0	343362.0	0.519832	Y
8	IC 480-561477/10	100.0	52.739468	25.0	343835.0	0.527395	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

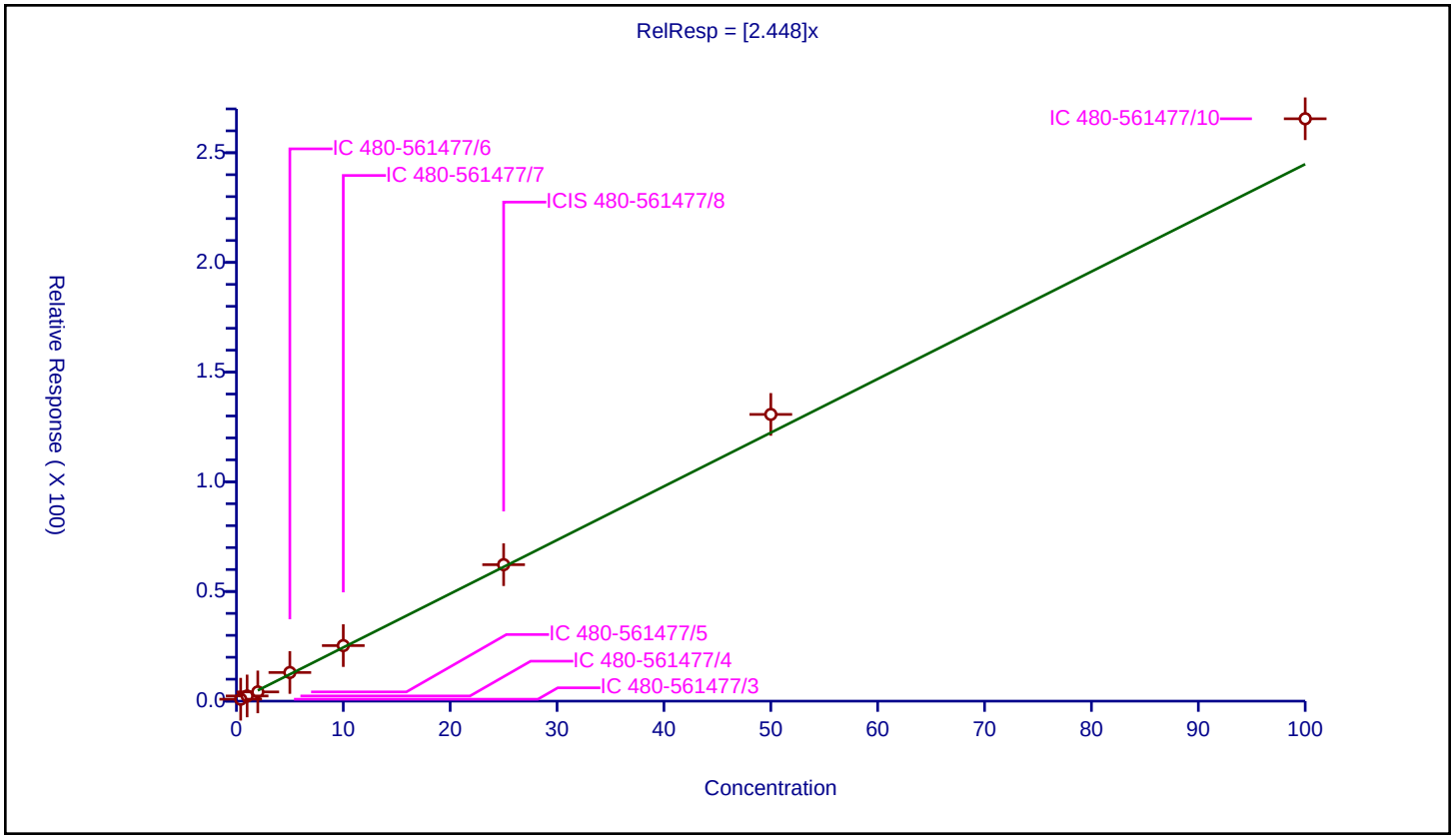
Curve Coefficients

Intercept:	0
Slope:	2.448

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.883952	25.0	354714.0	2.209879	Y
2	IC 480-561477/4	1.0	2.367022	25.0	355605.0	2.367022	Y
3	IC 480-561477/5	2.0	4.209538	25.0	356494.0	2.104769	Y
4	IC 480-561477/6	5.0	13.055394	25.0	356841.0	2.611079	Y
5	IC 480-561477/7	10.0	25.326657	25.0	353429.0	2.532666	Y
6	ICIS 480-561477/8	25.0	62.214243	25.0	350998.0	2.48857	Y
7	IC 480-561477/9	50.0	130.713285	25.0	343362.0	2.614266	Y
8	IC 480-561477/10	100.0	265.500313	25.0	343835.0	2.655003	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

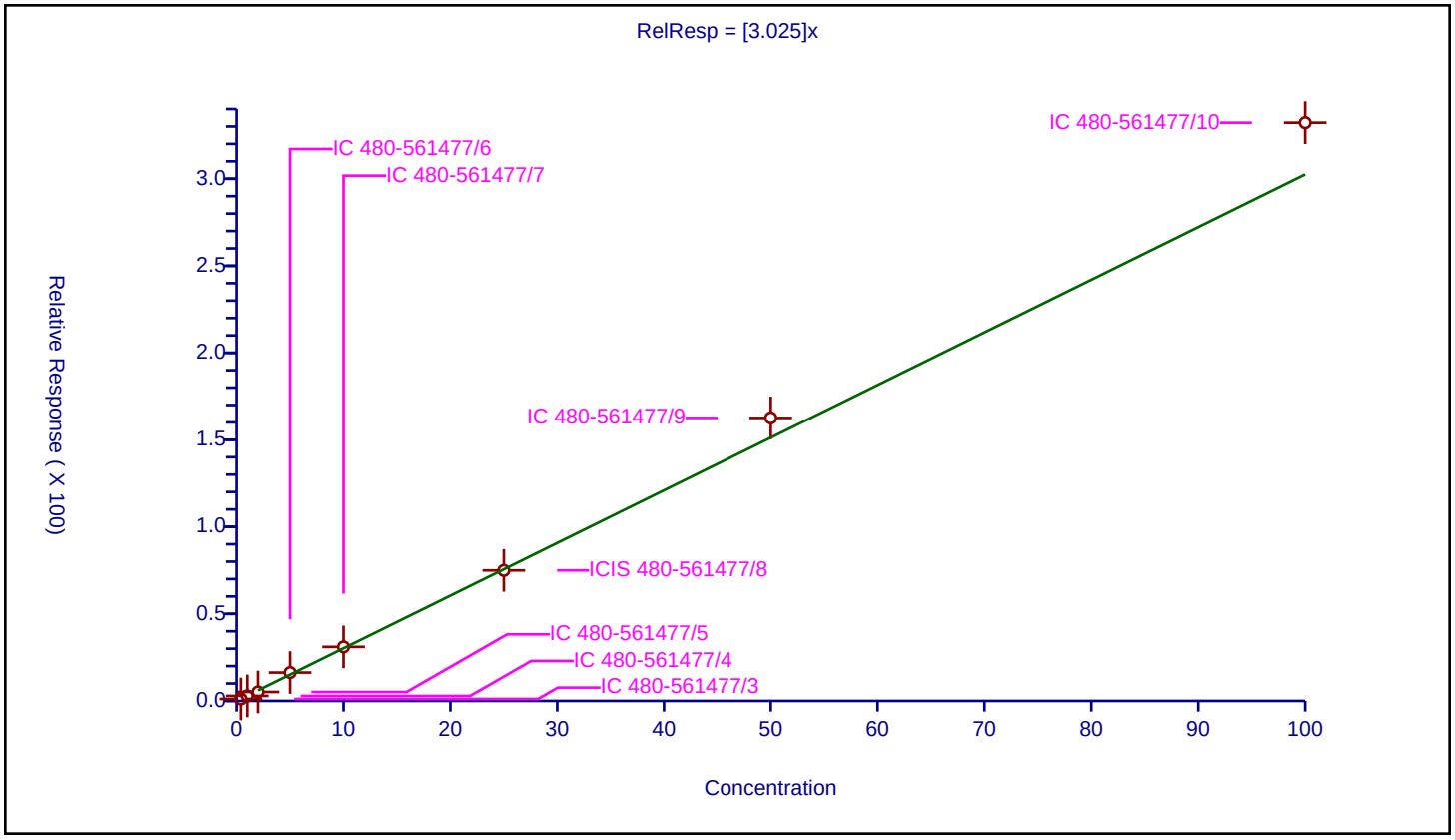
Curve Coefficients

Intercept:	0
Slope:	3.025

Error Coefficients

Standard Error:	1970000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	1.124286	25.0	354714.0	2.810715	Y
2	IC 480-561477/4	1.0	2.879178	25.0	355605.0	2.879178	Y
3	IC 480-561477/5	2.0	5.147632	25.0	356494.0	2.573816	Y
4	IC 480-561477/6	5.0	16.289678	25.0	356841.0	3.257936	Y
5	IC 480-561477/7	10.0	31.040817	25.0	353429.0	3.104082	Y
6	ICIS 480-561477/8	25.0	74.969729	25.0	350998.0	2.998789	Y
7	IC 480-561477/9	50.0	162.595963	25.0	343362.0	3.251919	Y
8	IC 480-561477/10	100.0	332.169718	25.0	343835.0	3.321697	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

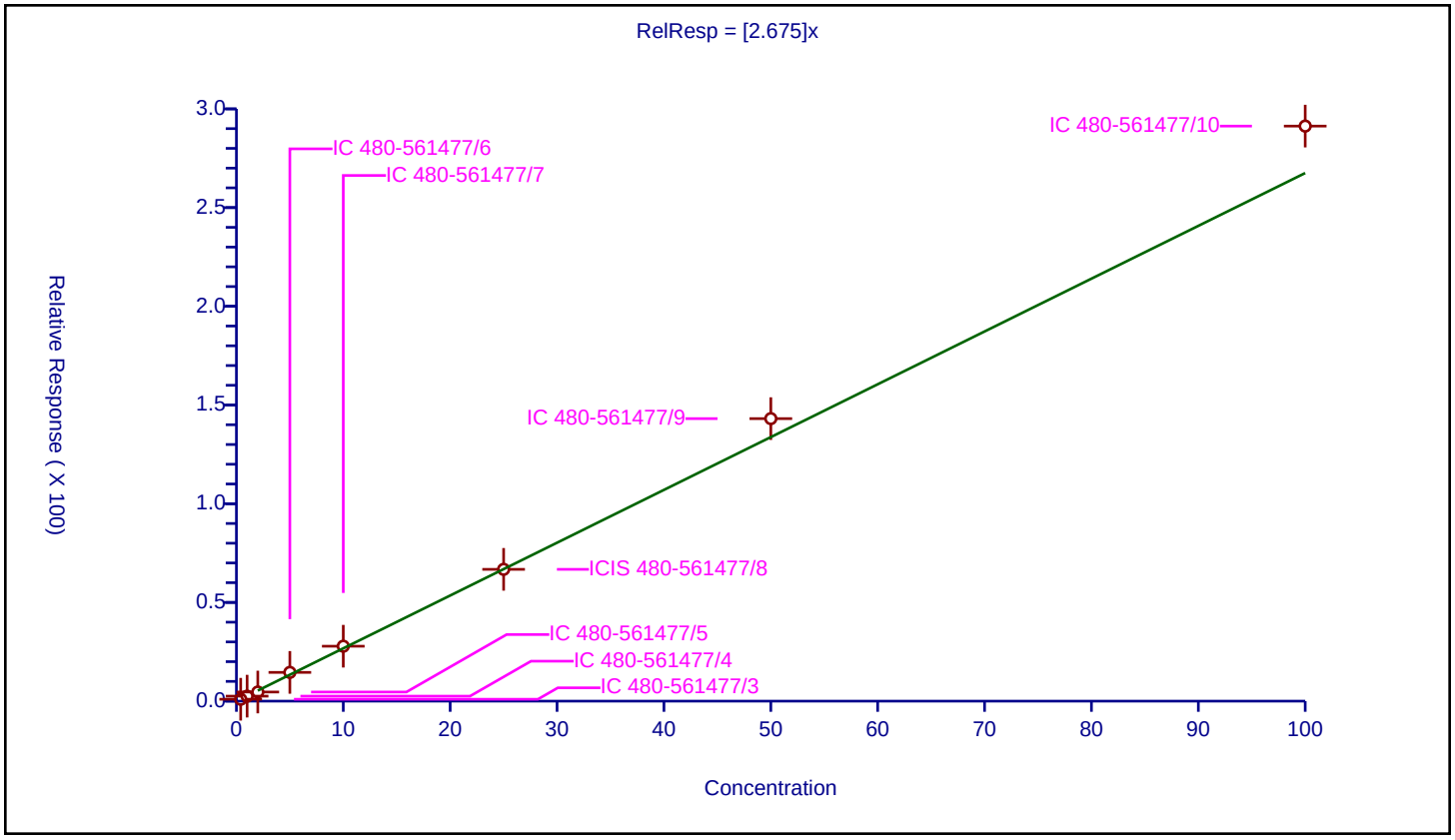
Curve Coefficients

Intercept:	0
Slope:	2.675

Error Coefficients

Standard Error:	1730000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.970218	25.0	354714.0	2.425546	Y
2	IC 480-561477/4	1.0	2.5245	25.0	355605.0	2.5245	Y
3	IC 480-561477/5	2.0	4.615996	25.0	356494.0	2.307998	Y
4	IC 480-561477/6	5.0	14.566151	25.0	356841.0	2.91323	Y
5	IC 480-561477/7	10.0	27.832393	25.0	353429.0	2.783239	Y
6	ICIS 480-561477/8	25.0	66.758144	25.0	350998.0	2.670326	Y
7	IC 480-561477/9	50.0	143.111643	25.0	343362.0	2.862233	Y
8	IC 480-561477/10	100.0	291.286446	25.0	343835.0	2.912864	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

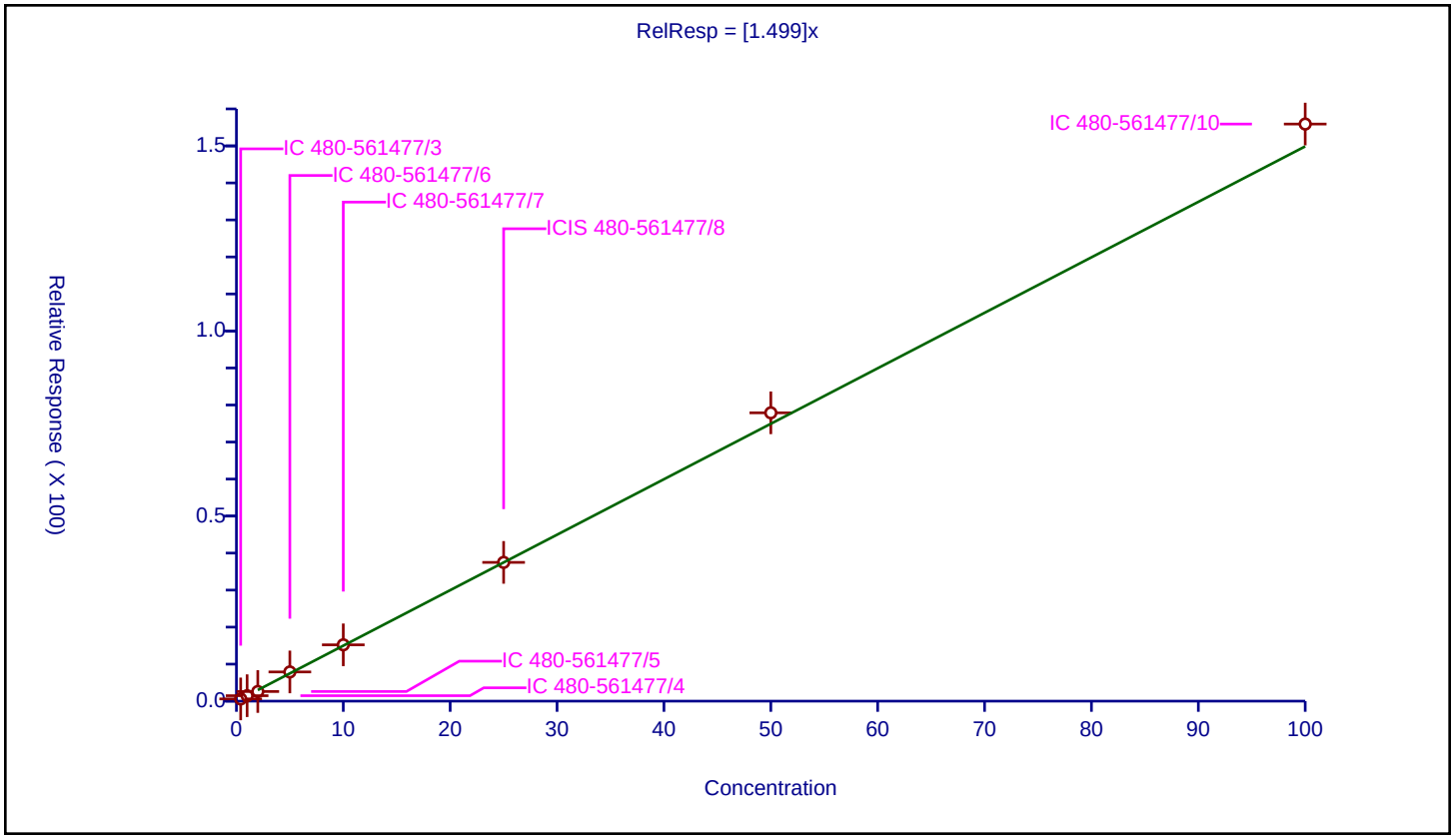
Curve Coefficients

Intercept:	0
Slope:	1.499

Error Coefficients

Standard Error:	932000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.601823	25.0	354714.0	1.504557	Y
2	IC 480-561477/4	1.0	1.468483	25.0	355605.0	1.468483	Y
3	IC 480-561477/5	2.0	2.602709	25.0	356494.0	1.301354	Y
4	IC 480-561477/6	5.0	7.888317	25.0	356841.0	1.577663	Y
5	IC 480-561477/7	10.0	15.214866	25.0	353429.0	1.521487	Y
6	ICIS 480-561477/8	25.0	37.481054	25.0	350998.0	1.499242	Y
7	IC 480-561477/9	50.0	77.892574	25.0	343362.0	1.557851	Y
8	IC 480-561477/10	100.0	155.907776	25.0	343835.0	1.559078	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

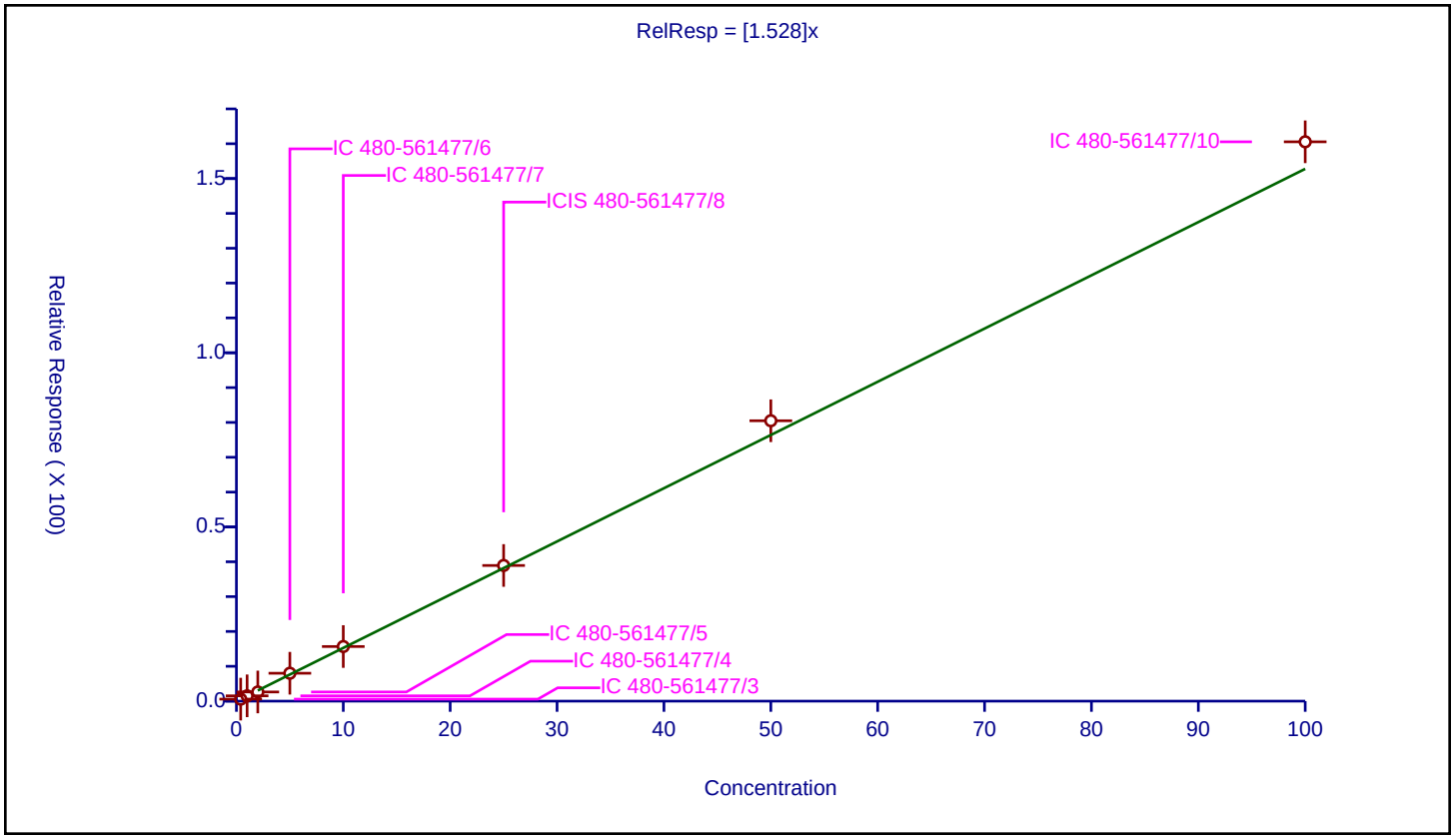
Curve Coefficients

Intercept:	0
Slope:	1.528

Error Coefficients

Standard Error:	961000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.576521	25.0	354714.0	1.441302	Y
2	IC 480-561477/4	1.0	1.522827	25.0	355605.0	1.522827	Y
3	IC 480-561477/5	2.0	2.631671	25.0	356494.0	1.315836	Y
4	IC 480-561477/6	5.0	8.010641	25.0	356841.0	1.602128	Y
5	IC 480-561477/7	10.0	15.675921	25.0	353429.0	1.567592	Y
6	ICIS 480-561477/8	25.0	38.940963	25.0	350998.0	1.557639	Y
7	IC 480-561477/9	50.0	80.479931	25.0	343362.0	1.609599	Y
8	IC 480-561477/10	100.0	160.551718	25.0	343835.0	1.605517	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

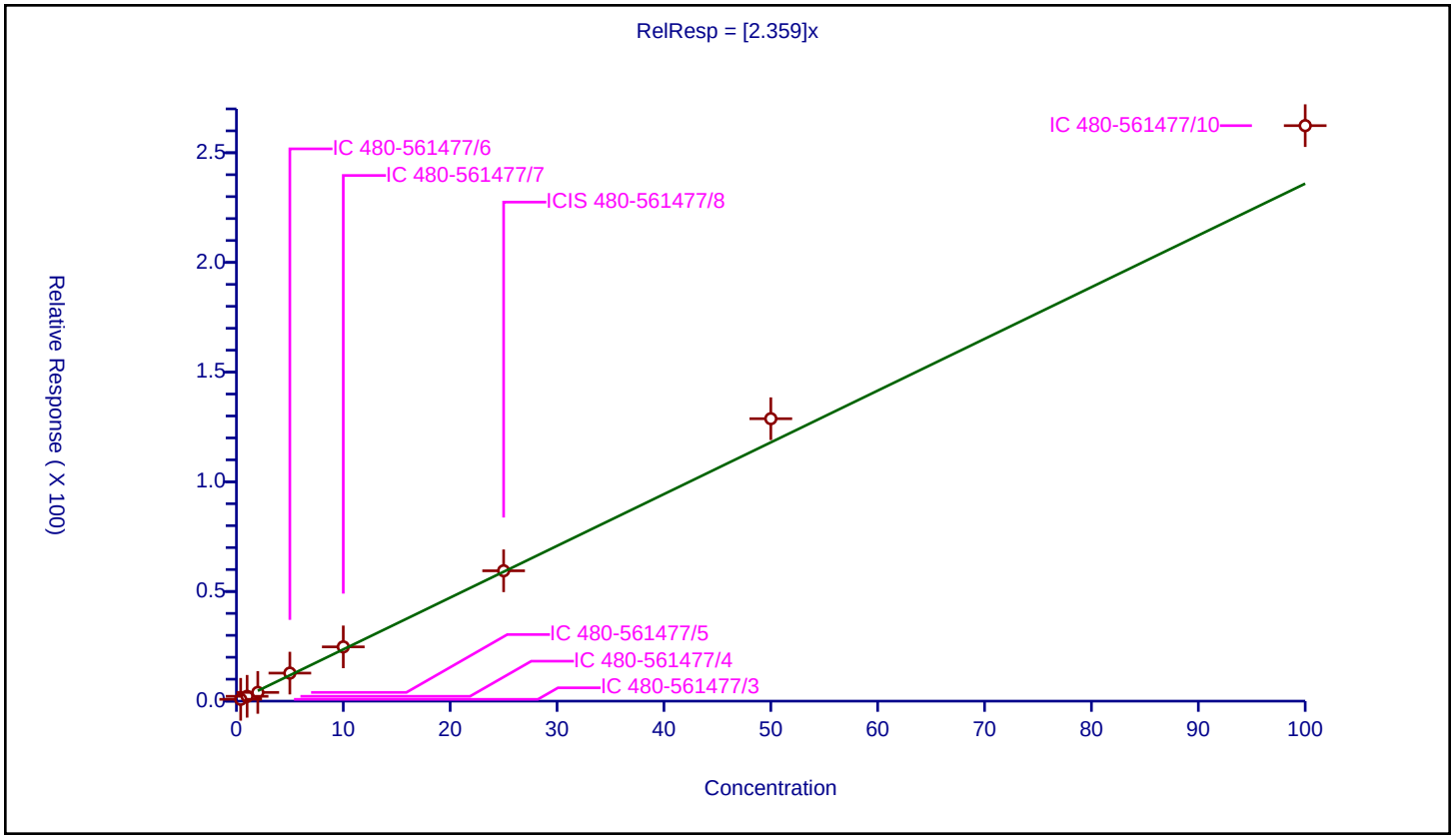
Curve Coefficients

Intercept:	0
Slope:	2.359

Error Coefficients

Standard Error:	1560000
Relative Standard Error:	10.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.829964	25.0	354714.0	2.074911	Y
2	IC 480-561477/4	1.0	2.202866	25.0	355605.0	2.202866	Y
3	IC 480-561477/5	2.0	3.97952	25.0	356494.0	1.98976	Y
4	IC 480-561477/6	5.0	12.784125	25.0	356841.0	2.556825	Y
5	IC 480-561477/7	10.0	24.737854	25.0	353429.0	2.473785	Y
6	ICIS 480-561477/8	25.0	59.431749	25.0	350998.0	2.37727	Y
7	IC 480-561477/9	50.0	128.767161	25.0	343362.0	2.575343	Y
8	IC 480-561477/10	100.0	262.35709	25.0	343835.0	2.623571	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

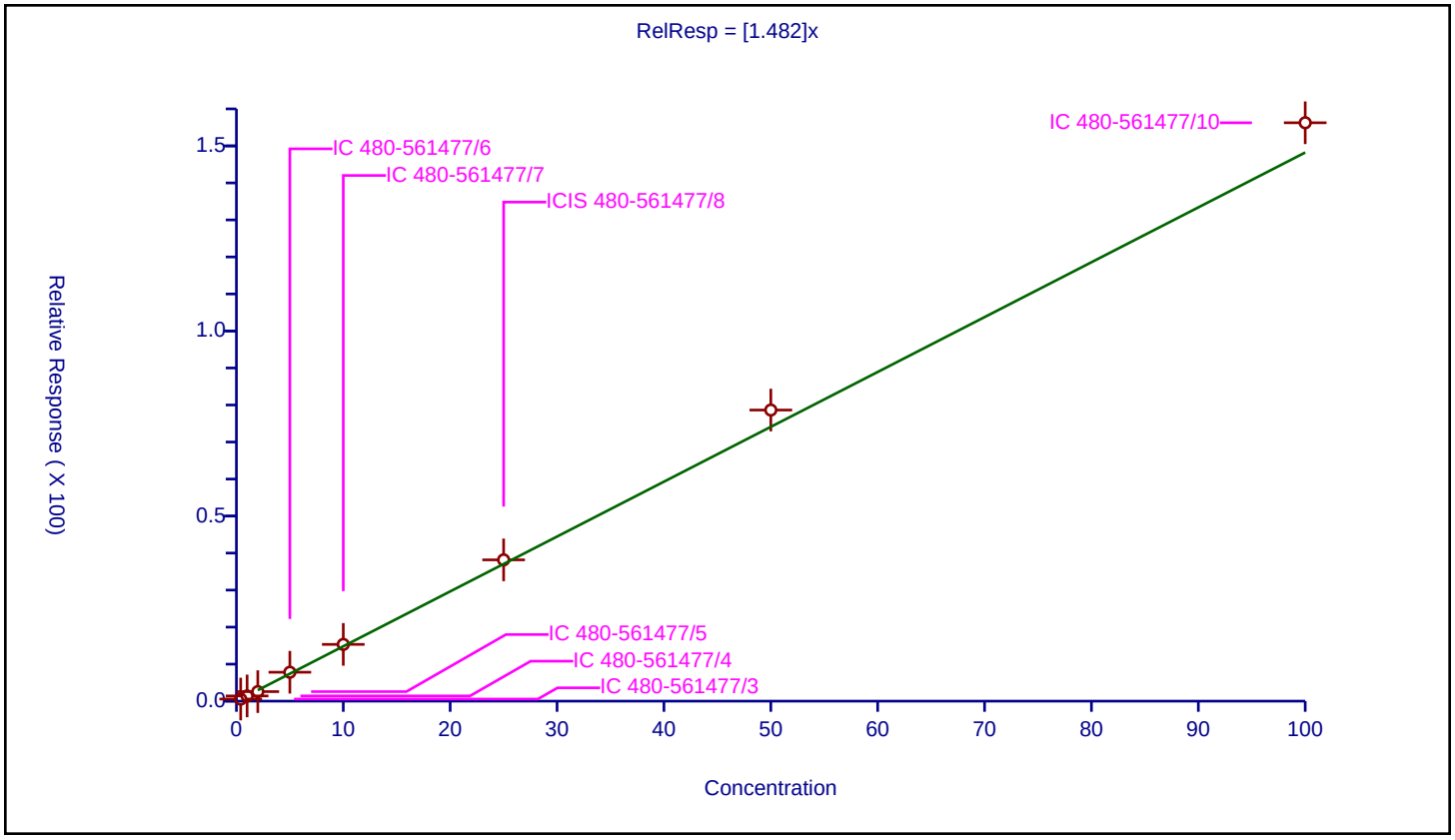
Curve Coefficients

Intercept:	0
Slope:	1.482

Error Coefficients

Standard Error:	936000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.562636	25.0	354714.0	1.406591	Y
2	IC 480-561477/4	1.0	1.405562	25.0	355605.0	1.405562	Y
3	IC 480-561477/5	2.0	2.575359	25.0	356494.0	1.287679	Y
4	IC 480-561477/6	5.0	7.810551	25.0	356841.0	1.56211	Y
5	IC 480-561477/7	10.0	15.328751	25.0	353429.0	1.532875	Y
6	ICIS 480-561477/8	25.0	38.167454	25.0	350998.0	1.526698	Y
7	IC 480-561477/9	50.0	78.641419	25.0	343362.0	1.572828	Y
8	IC 480-561477/10	100.0	156.251763	25.0	343835.0	1.562518	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

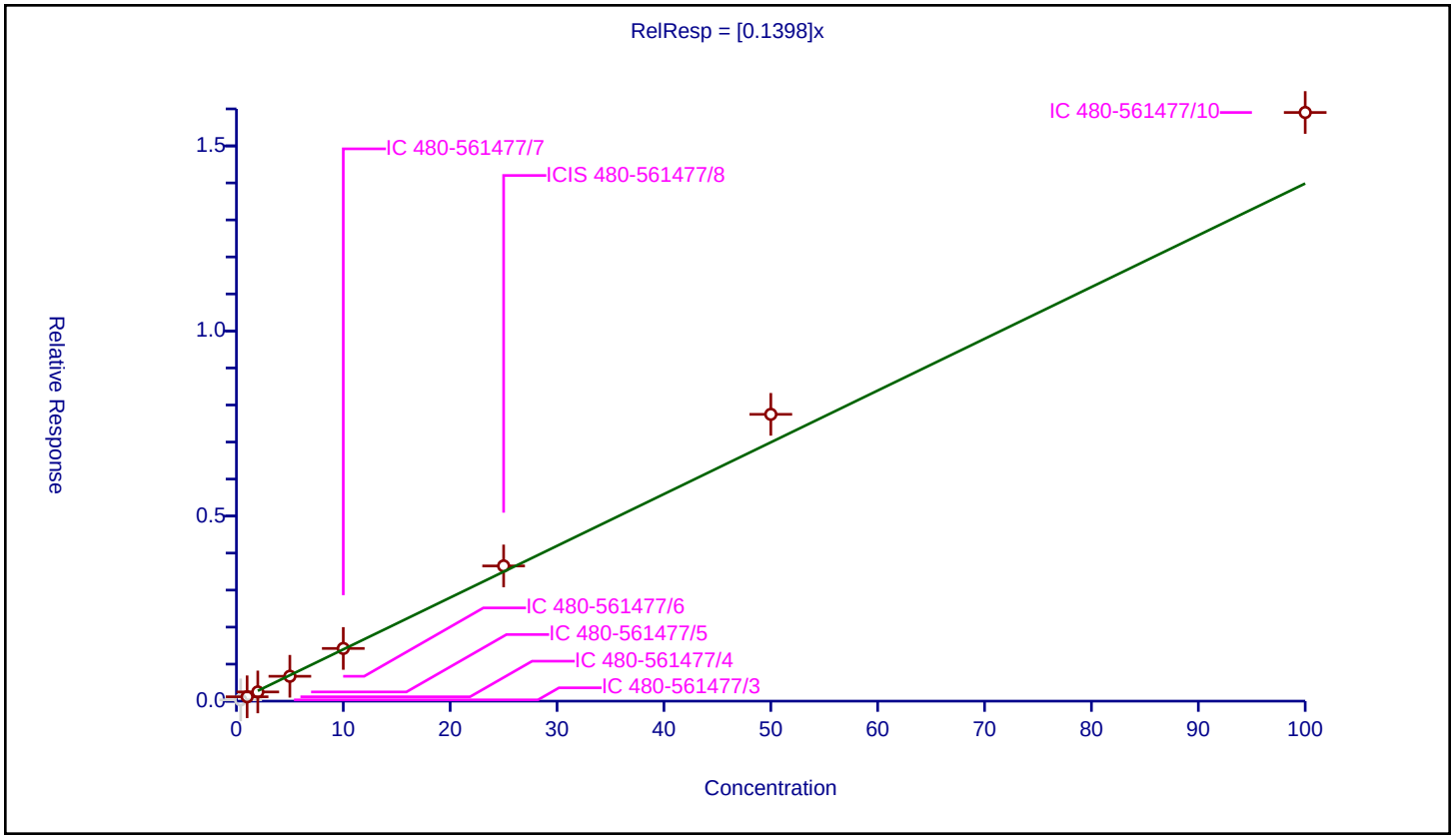
Curve Coefficients

Intercept:	0
Slope:	0.1398

Error Coefficients

Standard Error:	102000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.03383	25.0	354714.0	0.084575	N
2	IC 480-561477/4	1.0	0.117827	25.0	355605.0	0.117827	Y
3	IC 480-561477/5	2.0	0.248461	25.0	356494.0	0.124231	Y
4	IC 480-561477/6	5.0	0.671938	25.0	356841.0	0.134388	Y
5	IC 480-561477/7	10.0	1.423483	25.0	353429.0	0.142348	Y
6	ICIS 480-561477/8	25.0	3.652799	25.0	350998.0	0.146112	Y
7	IC 480-561477/9	50.0	7.748673	25.0	343362.0	0.154973	Y
8	IC 480-561477/10	100.0	15.902613	25.0	343835.0	0.159026	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

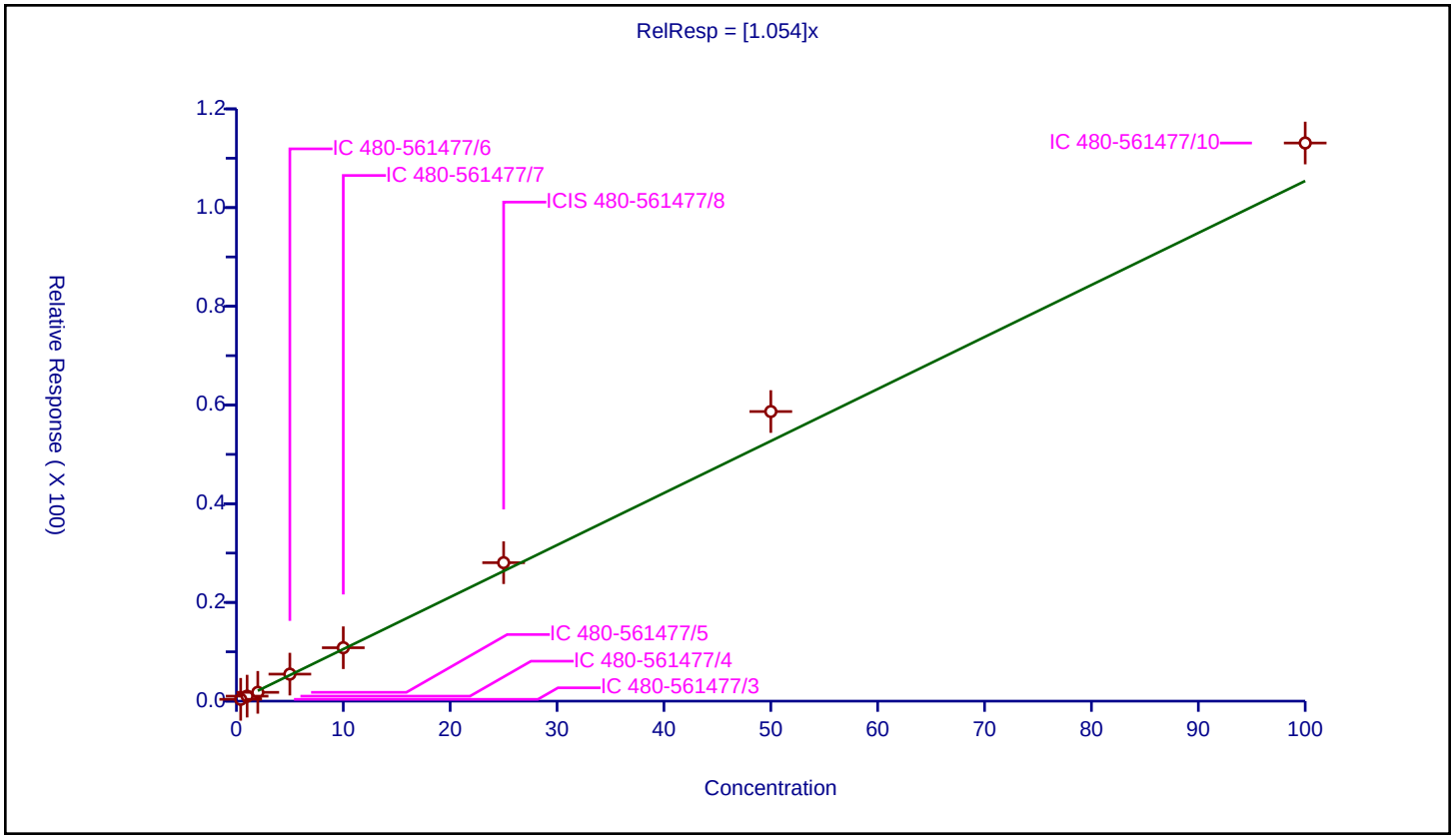
Curve Coefficients

Intercept:	0
Slope:	1.054

Error Coefficients

Standard Error:	682000
Relative Standard Error:	9.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.369312	25.0	354714.0	0.923279	Y
2	IC 480-561477/4	1.0	1.013765	25.0	355605.0	1.013765	Y
3	IC 480-561477/5	2.0	1.782849	25.0	356494.0	0.891425	Y
4	IC 480-561477/6	5.0	5.474427	25.0	356841.0	1.094885	Y
5	IC 480-561477/7	10.0	10.821622	25.0	353429.0	1.082162	Y
6	ICIS 480-561477/8	25.0	28.055146	25.0	350998.0	1.122206	Y
7	IC 480-561477/9	50.0	58.679979	25.0	343362.0	1.1736	Y
8	IC 480-561477/10	100.0	113.088473	25.0	343835.0	1.130885	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

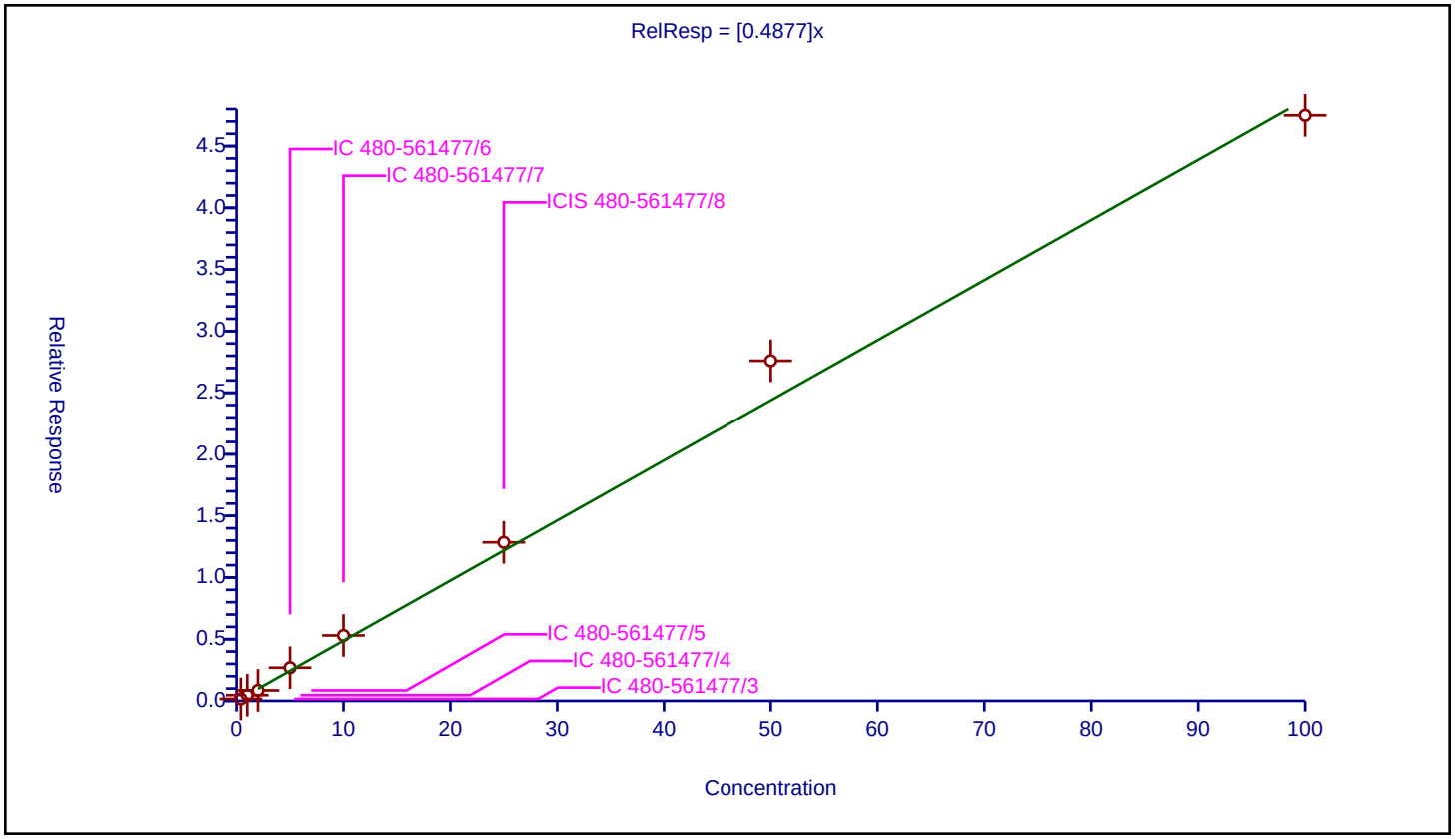
Curve Coefficients

Intercept:	0
Slope:	0.4877

Error Coefficients

Standard Error:	295000
Relative Standard Error:	11.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.161609	25.0	354714.0	0.404023	Y
2	IC 480-561477/4	1.0	0.462522	25.0	355605.0	0.462522	Y
3	IC 480-561477/5	2.0	0.850084	25.0	356494.0	0.425042	Y
4	IC 480-561477/6	5.0	2.691535	25.0	356841.0	0.538307	Y
5	IC 480-561477/7	10.0	5.302621	25.0	353429.0	0.530262	Y
6	ICIS 480-561477/8	25.0	12.854489	25.0	350998.0	0.51418	Y
7	IC 480-561477/9	50.0	27.597769	25.0	343362.0	0.551955	Y
8	IC 480-561477/10	100.0	47.493493	25.0	343835.0	0.474935	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

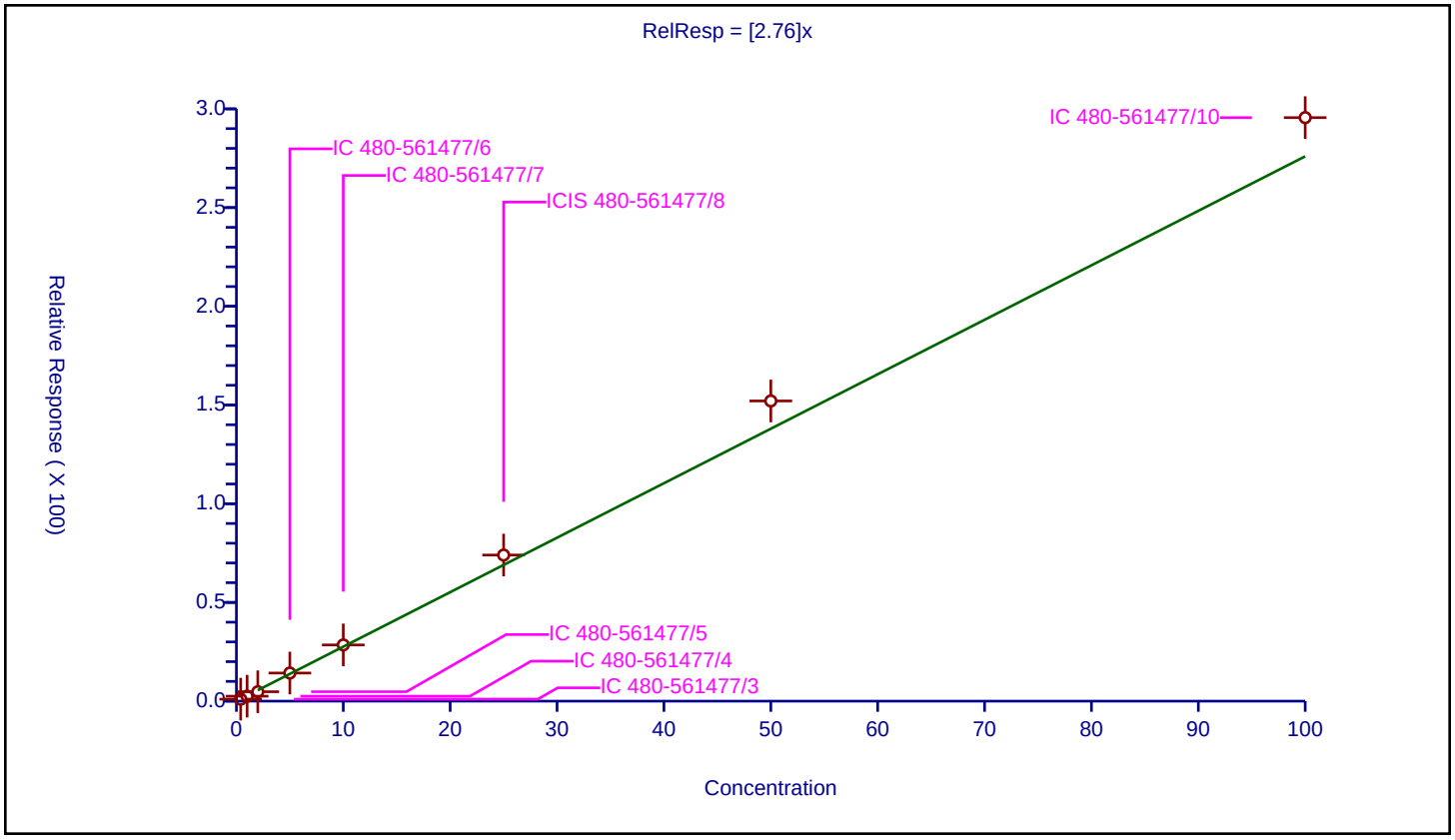
Curve Coefficients

Intercept:	0
Slope:	2.76

Error Coefficients

Standard Error:	1780000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	1.010885	25.0	354714.0	2.527212	Y
2	IC 480-561477/4	1.0	2.511846	25.0	355605.0	2.511846	Y
3	IC 480-561477/5	2.0	4.766981	25.0	356494.0	2.38349	Y
4	IC 480-561477/6	5.0	14.244369	25.0	356841.0	2.848874	Y
5	IC 480-561477/7	10.0	28.479765	25.0	353429.0	2.847977	Y
6	ICIS 480-561477/8	25.0	74.000422	25.0	350998.0	2.960017	Y
7	IC 480-561477/9	50.0	152.06058	25.0	343362.0	3.041212	Y
8	IC 480-561477/10	100.0	295.578621	25.0	343835.0	2.955786	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

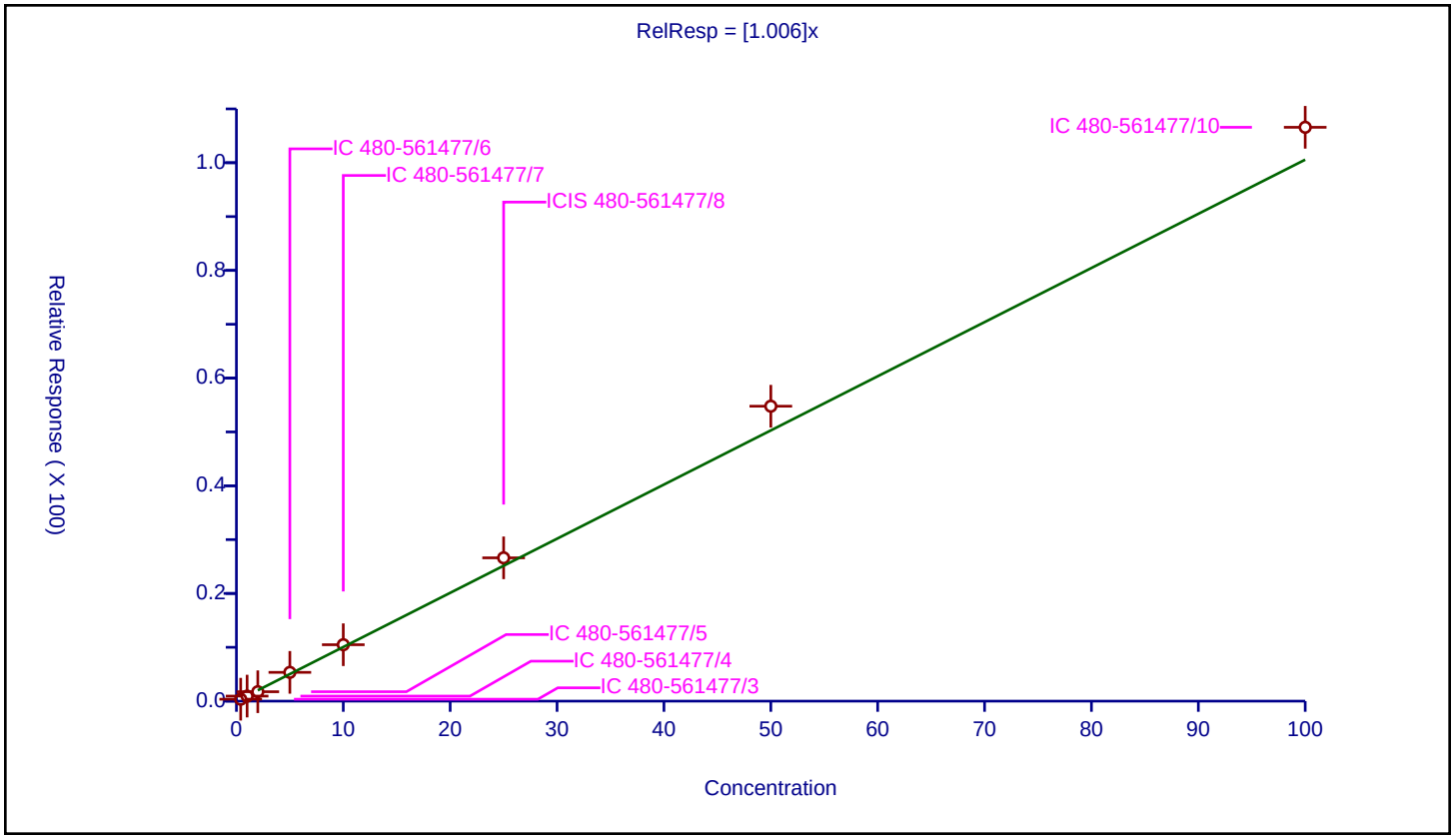
Curve Coefficients

Intercept:	0
Slope:	1.006

Error Coefficients

Standard Error:	642000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-561477/3	0.4	0.357401	25.0	354714.0	0.893502	Y
2	IC 480-561477/4	1.0	0.935448	25.0	355605.0	0.935448	Y
3	IC 480-561477/5	2.0	1.746733	25.0	356494.0	0.873367	Y
4	IC 480-561477/6	5.0	5.344677	25.0	356841.0	1.068935	Y
5	IC 480-561477/7	10.0	10.479545	25.0	353429.0	1.047954	Y
6	ICIS 480-561477/8	25.0	26.617815	25.0	350998.0	1.064713	Y
7	IC 480-561477/9	50.0	54.777101	25.0	343362.0	1.095542	Y
8	IC 480-561477/10	100.0	106.5815	25.0	343835.0	1.065815	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Lab Sample ID: ICV 480-561755/3 Calibration Date: 12/03/2020 09:37

Instrument ID: HP5975D Calib Start Date: 12/01/2020 15:38

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/01/2020 18:22

Lab File ID: D39261.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.502	1.654	0.1000	27.5	25.0	10.2	50.0
Chloromethane	Ave	2.322	2.411	0.1000	26.0	25.0	3.8	30.0
Vinyl chloride	Ave	1.471	1.752	0.1000	29.8	25.0	19.1	30.0
Butadiene	Ave	1.410	1.575		27.9	25.0	11.7	30.0
Bromomethane	Ave	0.9771	1.036	0.1000	26.5	25.0	6.1	50.0
Chloroethane	Ave	0.7927	0.8297	0.1000	26.2	25.0	4.7	50.0
Trichlorofluoromethane	Ave	1.673	1.986	0.1000	29.7	25.0	18.7	30.0
Dichlorofluoromethane	Ave	1.997	2.149		26.9	25.0	7.6	30.0
Ethyl ether	Ave	1.280	1.397		27.3	25.0	9.1	30.0
Acrolein	Ave	0.0621	0.0340		68.5	125	-45.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.298	0.1000	24.8	25.0	-0.6	30.0
1,1-Dichloroethene	Ave	1.116	1.332	0.1000	29.8	25.0	19.3	30.0
Acetone	Ave	0.5530	0.6080	0.1000	137	125	9.9	50.0
Iodomethane	Ave	2.332	2.647		28.4	25.0	13.5	30.0
Carbon disulfide	Ave	4.120	4.572	0.1000	27.7	25.0	10.9	30.0
Allyl chloride	Ave	2.989	3.112		26.0	25.0	4.1	30.0
Methyl acetate	Ave	1.527	1.812	0.1000	59.3	50.0	18.6	50.0
Methylene Chloride	Lin1		1.572	0.1000	25.6	25.0	2.4	30.0
2-Methyl-2-propanol	Ave	0.1543	0.1896		307	250	22.9	50.0
Methyl tert-butyl ether	Ave	3.560	3.783	0.1000	26.6	25.0	6.2	30.0
trans-1,2-Dichloroethene	Ave	1.297	1.441	0.1000	27.8	25.0	11.1	30.0
Acrylonitrile	Ave	0.6837	0.7504		274	250	9.8	30.0
Hexane	Ave	2.169	2.661		30.7	25.0	22.7	30.0
1,1-Dichloroethane	Ave	2.665	2.845	0.2000	26.7	25.0	6.8	30.0
Vinyl acetate	Ave	4.320	3.921		45.4	50.0	-9.2	30.0
2,2-Dichloropropane	Ave	1.444	1.704		29.5	25.0	18.0	30.0
cis-1,2-Dichloroethene	Ave	1.479	1.616	0.1000	27.3	25.0	9.3	30.0
2-Butanone (MEK)	Ave	0.9451	1.062	0.1000	140	125	12.4	30.0
Chlorobromomethane	Ave	0.8514	0.8953		26.3	25.0	5.2	30.0
Tetrahydrofuran	Ave	0.6621	0.7113		53.7	50.0	7.4	30.0
Chloroform	Ave	2.609	2.602	0.2000	24.9	25.0	-0.3	30.0
1,1,1-Trichloroethane	Ave	1.936	2.229	0.1000	28.8	25.0	15.2	30.0
Cyclohexane	Ave	2.602	3.090	0.1000	29.7	25.0	18.7	30.0
Carbon tetrachloride	Ave	1.745	2.011	0.1000	28.8	25.0	15.3	30.0
1,1-Dichloropropene	Ave	1.710	1.885		27.6	25.0	10.2	30.0
Isobutyl alcohol	Ave	0.0807	0.0957		741	625	18.6	50.0
Benzene	Ave	5.174	5.442	0.5000	26.3	25.0	5.2	30.0
1,2-Dichloroethane	Ave	2.163	2.194	0.1000	25.4	25.0	1.4	30.0
n-Heptane	Ave	2.931	3.324		28.4	25.0	13.4	30.0
Trichloroethene	Ave	1.420	1.535	0.2000	27.0	25.0	8.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Lab Sample ID: ICV 480-561755/3 Calibration Date: 12/03/2020 09:37

Instrument ID: HP5975D Calib Start Date: 12/01/2020 15:38

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/01/2020 18:22

Lab File ID: D39261.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.980	2.387	0.1000	30.1	25.0	20.6	30.0
1,2-Dichloropropane	Ave	1.658	1.717	0.1000	25.9	25.0	3.6	30.0
1,4-Dioxane	Lin1		0.0046		594	500	18.9	50.0
Dibromomethane	Ave	0.9684	1.049	0.1000	27.1	25.0	8.3	30.0
Bromodichloromethane	Ave	1.877	2.080	0.2000	27.7	25.0	10.8	30.0
2-Chloroethyl vinyl ether	Ave	1.073	1.115		26.0	25.0	3.9	30.0
cis-1,3-Dichloropropene	Ave	2.241	2.435	0.2000	27.2	25.0	8.6	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9558	1.045	0.1000	137	125	9.3	30.0
Toluene	Ave	1.591	1.707	0.4000	26.8	25.0	7.3	30.0
trans-1,3-Dichloropropene	Ave	0.9661	1.014	0.1000	26.2	25.0	4.9	30.0
Ethyl methacrylate	Ave	0.8090	0.8942		27.6	25.0	10.5	30.0
1,1,2-Trichloroethane	Ave	0.5298	0.5662	0.1000	26.7	25.0	6.9	30.0
Tetrachloroethene	Ave	0.6909	0.7980	0.2000	28.9	25.0	15.5	30.0
1,3-Dichloropropane	Ave	0.9924	1.058		26.7	25.0	6.6	30.0
2-Hexanone	Ave	0.6810	0.7732	0.1000	142	125	13.5	30.0
Dibromochloromethane	Ave	0.7636	0.8811	0.1000	28.8	25.0	15.4	30.0
1,2-Dibromoethane	Ave	0.7066	0.7617		26.9	25.0	7.8	30.0
Chlorobenzene	Ave	1.921	2.048	0.5000	26.6	25.0	6.6	30.0
Ethylbenzene	Ave	3.024	3.254	0.1000	26.9	25.0	7.6	30.0
1,1,1,2-Tetrachloroethane	Ave	0.6894	0.7607		27.6	25.0	10.4	30.0
m,p-Xylene	Ave	1.224	1.310	0.1000	26.8	25.0	7.1	30.0
o-Xylene	Ave	1.174	1.275	0.3000	27.2	25.0	8.7	30.0
Styrene	Ave	1.983	2.192	0.3000	27.6	25.0	10.5	30.0
Bromoform	Ave	0.5191	0.6010	0.1000	28.9	25.0	15.8	50.0
Isopropylbenzene	Ave	2.772	2.997	0.1000	27.0	25.0	8.1	30.0
Bromobenzene	Ave	0.7960	0.8441		26.5	25.0	6.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8310	0.8847	0.3000	26.6	25.0	6.5	30.0
N-Propylbenzene	Ave	3.300	3.552		26.9	25.0	7.6	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2724	0.3190		29.3	25.0	17.1	50.0
1,2,3-Trichloropropane	Ave	0.2208	0.2390		27.1	25.0	8.3	30.0
2-Chlorotoluene	Ave	0.7097	0.7586		26.7	25.0	6.9	30.0
1,3,5-Trimethylbenzene	Ave	2.395	2.554		26.7	25.0	6.6	30.0
4-Chlorotoluene	Ave	0.7445	0.7864		26.4	25.0	5.6	30.0
tert-Butylbenzene	Ave	0.4870	0.5238		26.9	25.0	7.5	30.0
1,2,4-Trimethylbenzene	Ave	2.448	2.608		26.6	25.0	6.5	30.0
sec-Butylbenzene	Ave	3.025	3.334		27.6	25.0	10.2	30.0
4-Isopropyltoluene	Ave	2.675	2.941		27.5	25.0	9.9	30.0
1,3-Dichlorobenzene	Ave	1.499	1.545	0.6000	25.8	25.0	3.1	30.0
1,4-Dichlorobenzene	Ave	1.528	1.596	0.5000	26.1	25.0	4.5	30.0
n-Butylbenzene	Ave	2.359	2.614		27.7	25.0	10.8	30.0
1,2-Dichlorobenzene	Ave	1.482	1.506	0.4000	25.4	25.0	1.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Lab Sample ID: ICV 480-561755/3 Calibration Date: 12/03/2020 09:37

Instrument ID: HP5975D Calib Start Date: 12/01/2020 15:38

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/01/2020 18:22

Lab File ID: D39261.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1398	0.1606	0.0500	28.7	25.0	14.8	50.0
1,2,4-Trichlorobenzene	Ave	1.054	1.135	0.2000	26.9	25.0	7.6	30.0
Hexachlorobutadiene	Ave	0.4877	0.5946		30.5	25.0	21.9	30.0
Naphthalene	Ave	2.760	2.974		26.9	25.0	7.8	30.0
1,2,3-Trichlorobenzene	Ave	1.006	1.076		26.7	25.0	7.0	30.0
Dibromofluoromethane (Surr)	Ave	1.490	1.501		25.2	25.0	0.8	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8372	0.8221		24.5	25.0	-1.8	30.0
Toluene-d8 (Surr)	Ave	2.392	2.387		25.0	25.0	-0.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.8276	0.8356		25.2	25.0	1.0	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201203-95396.b\D39261.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 03-Dec-2020 09:37:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0095396-003
Operator ID: WD Instrument ID: HP5975D
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201203-95396.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Dec-2020 11:12:12 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: HillL Date: 03-Dec-2020 11:13:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.446	-0.018	98	147285	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.805	7.824	-0.019	87	315479	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.750	-0.012	94	352053	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.948	-0.025	93	221142	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.202	5.227	-0.025	93	121077	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	6.641	6.644	-0.018	95	753153	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.766	-0.018	93	263622	25.0	25.2	
10 Dichlorodifluoromethane	85	1.447	1.459	-0.012	99	243610	25.0	27.5	
12 Chloromethane	50	1.654	1.666	-0.012	99	355076	25.0	26.0	
13 Vinyl chloride	62	1.752	1.764	-0.012	98	258020	25.0	29.8	
144 Butadiene	54	1.776	1.788	-0.012	96	231971	25.0	27.9	
14 Bromomethane	94	2.130	2.148	-0.018	91	152659	25.0	26.5	
15 Chloroethane	64	2.227	2.246	-0.019	96	122202	25.0	26.2	
17 Trichlorofluoromethane	101	2.453	2.471	-0.018	98	292512	25.0	29.7	
16 Dichlorofluoromethane	67	2.459	2.477	-0.018	98	316499	25.0	26.9	
18 Ethyl ether	59	2.739	2.758	-0.019	95	205806	25.0	27.3	
20 Acrolein	56	2.928	2.953	-0.025	99	25049	125.0	68.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.971	2.983	-0.012	93	191157	25.0	24.8	
22 1,1-Dichloroethene	96	2.983	3.008	-0.025	95	196125	25.0	29.8	
23 Acetone	43	3.087	3.105	-0.018	98	447724	125.0	137.4	
25 Iodomethane	142	3.166	3.184	-0.018	99	389848	25.0	28.4	
26 Carbon disulfide	76	3.178	3.203	-0.025	100	673328	25.0	27.7	
28 3-Chloro-1-propene	41	3.325	3.349	-0.024	90	458322	25.0	26.0	
27 Methyl acetate	43	3.361	3.386	-0.025	100	533708	50.0	59.3	
30 Methylene Chloride	84	3.471	3.526	-0.055	95	231487	25.0	25.6	
31 2-Methyl-2-propanol	59	3.617	3.636	-0.019	99	279295	250.0	307.3	
32 Methyl tert-butyl ether	73	3.654	3.672	-0.018	99	557110	25.0	26.6	
34 trans-1,2-Dichloroethene	96	3.672	3.697	-0.024	94	212174	25.0	27.8	
33 Acrylonitrile	53	3.727	3.751	-0.024	97	1105201	250.0	274.4	
35 Hexane	57	3.843	3.861	-0.018	96	391907	25.0	30.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.056	4.074	-0.018	96	419071	25.0	26.7	
37 Vinyl acetate	43	4.093	4.111	-0.018	96	1155123	50.0	45.4	
44 2,2-Dichloropropane	77	4.513	4.532	-0.019	94	251000	25.0	29.5	
45 cis-1,2-Dichloroethene	96	4.544	4.562	-0.018	83	238064	25.0	27.3	
43 2-Butanone (MEK)	43	4.562	4.587	-0.025	97	782079	125.0	140.5	
48 Chlorobromomethane	128	4.751	4.769	-0.018	93	131860	25.0	26.3	
49 Tetrahydrofuran	42	4.757	4.782	-0.025	94	209532	50.0	53.7	
50 Chloroform	83	4.806	4.830	-0.024	96	383190	25.0	24.9	
51 1,1,1-Trichloroethane	97	4.910	4.928	-0.018	98	328312	25.0	28.8	
52 Cyclohexane	56	4.916	4.940	-0.024	95	455149	25.0	29.7	
55 Carbon tetrachloride	117	5.025	5.044	-0.019	98	296228	25.0	28.8	
54 1,1-Dichloropropene	75	5.032	5.056	-0.024	92	277601	25.0	27.6	
53 Isobutyl alcohol	43	5.190	5.215	-0.024	95	352407	625.0	741.4	
57 Benzene	78	5.208	5.233	-0.025	95	801545	25.0	26.3	
58 1,2-Dichloroethane	62	5.263	5.288	-0.025	95	323109	25.0	25.4	
59 n-Heptane	43	5.330	5.349	-0.019	97	489567	25.0	28.4	
62 Trichloroethene	95	5.708	5.727	-0.019	96	226074	25.0	27.0	
64 Methylcyclohexane	83	5.806	5.824	-0.018	98	351576	25.0	30.1	
65 1,2-Dichloropropane	63	5.903	5.928	-0.025	94	252907	25.0	25.9	
66 1,4-Dioxane	88	6.013	6.031	-0.018	98	29301	500.0	594.3	
67 Dibromomethane	93	6.025	6.044	-0.019	95	154490	25.0	27.1	
68 Dichlorobromomethane	83	6.135	6.153	-0.018	97	306369	25.0	27.7	
69 2-Chloroethyl vinyl ether	63	6.336	6.355	-0.019	91	164271	25.0	26.0	
72 cis-1,3-Dichloropropene	75	6.458	6.483	-0.025	91	358651	25.0	27.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.556	6.580	-0.024	98	1647925	125.0	136.6	
74 Toluene	92	6.696	6.714	-0.018	98	538629	25.0	26.8	
77 trans-1,3-Dichloropropene	75	6.903	6.921	-0.018	97	319767	25.0	26.2	
75 Ethyl methacrylate	69	6.909	6.928	-0.019	94	282098	25.0	27.6	
79 1,1,2-Trichloroethane	83	7.056	7.080	-0.024	91	178634	25.0	26.7	
81 Tetrachloroethene	166	7.117	7.135	-0.018	96	251756	25.0	28.9	
82 1,3-Dichloropropane	76	7.190	7.208	-0.018	97	333834	25.0	26.7	
80 2-Hexanone	43	7.214	7.232	-0.018	99	1219651	125.0	141.9	
83 Chlorodibromomethane	129	7.379	7.403	-0.024	90	277965	25.0	28.8	
84 Ethylene Dibromide	107	7.476	7.495	-0.019	98	240290	25.0	26.9	
87 Chlorobenzene	112	7.830	7.854	-0.024	96	645946	25.0	26.6	
88 Ethylbenzene	91	7.885	7.903	-0.018	98	1026493	25.0	26.9	
89 1,1,1,2-Tetrachloroethane	131	7.897	7.921	-0.024	96	240000	25.0	27.6	
90 m-Xylene & p-Xylene	106	7.976	7.994	-0.018	98	413355	25.0	26.8	
91 o-Xylene	106	8.311	8.330	-0.019	96	402353	25.0	27.2	
92 Styrene	104	8.330	8.354	-0.024	96	691561	25.0	27.6	
95 Bromoform	173	8.549	8.568	-0.019	97	189618	25.0	28.9	
94 Isopropylbenzene	105	8.598	8.616	-0.018	96	1055062	25.0	27.0	
101 Bromobenzene	156	8.909	8.927	-0.018	90	297173	25.0	26.5	
97 1,1,2,2-Tetrachloroethane	83	8.915	8.933	-0.018	95	311450	25.0	26.6	
99 N-Propylbenzene	91	8.939	8.958	-0.019	98	1250338	25.0	26.9	
98 trans-1,4-Dichloro-2-butene	53	8.952	8.970	-0.018	77	112290	25.0	29.3	
100 1,2,3-Trichloropropane	110	8.958	8.976	-0.018	89	84136	25.0	27.1	
103 2-Chlorotoluene	126	9.043	9.061	-0.018	98	267069	25.0	26.7	
102 1,3,5-Trimethylbenzene	105	9.080	9.098	-0.018	94	899196	25.0	26.7	
105 4-Chlorotoluene	126	9.134	9.153	-0.019	97	276851	25.0	26.4	
106 tert-Butylbenzene	134	9.354	9.372	-0.018	94	184409	25.0	26.9	
107 1,2,4-Trimethylbenzene	105	9.397	9.421	-0.024	97	918042	25.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.537	9.555	-0.018	94	1173739	25.0	27.6	
110 4-Isopropyltoluene	119	9.647	9.665	-0.019	98	1035339	25.0	27.5	
111 1,3-Dichlorobenzene	146	9.683	9.701	-0.018	98	543779	25.0	25.8	
113 1,4-Dichlorobenzene	146	9.756	9.775	-0.019	97	562005	25.0	26.1	
115 n-Butylbenzene	91	10.000	10.018	-0.018	98	920242	25.0	27.7	
116 1,2-Dichlorobenzene	146	10.085	10.104	-0.019	98	530143	25.0	25.4	
117 1,2-Dibromo-3-Chloropropane	75	10.774	10.793	-0.019	87	56530	25.0	28.7	
119 1,2,4-Trichlorobenzene	180	11.414	11.433	-0.019	95	399432	25.0	26.9	
120 Hexachlorobutadiene	225	11.506	11.524	-0.018	97	209342	25.0	30.5	
121 Naphthalene	128	11.628	11.646	-0.018	97	1047034	25.0	26.9	
122 1,2,3-Trichlorobenzene	180	11.817	11.835	-0.018	96	378769	25.0	26.7	

QC Flag Legend

Processing Flags

Reagents:

SS 8260 CORP_00088	Amount Added: 12.50	Units: uL	
SS GAS CORP_00380	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00025	Amount Added: 1.00	Units: uL	Run Reagent

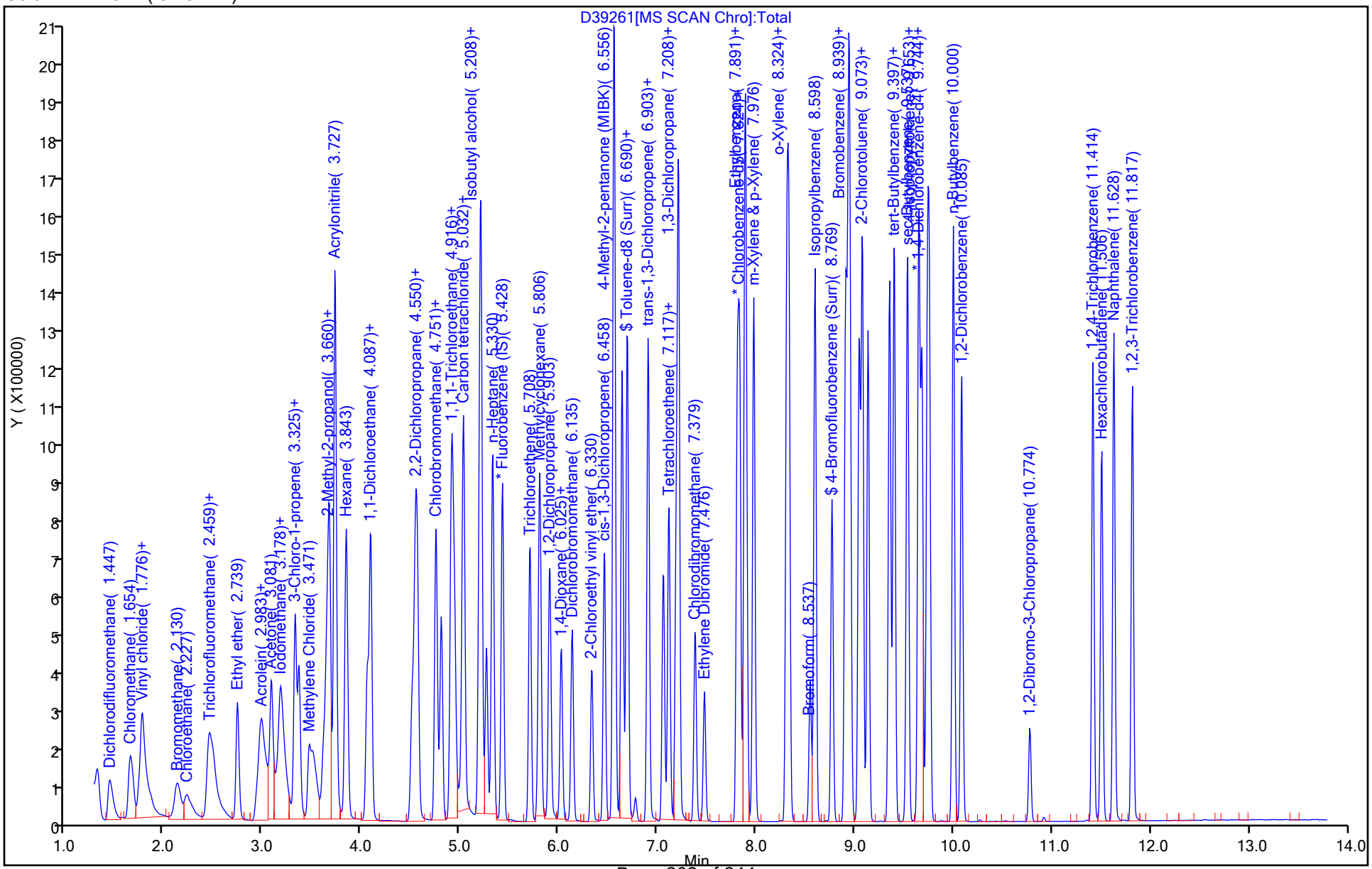
Report Date: 03-Dec-2020 11:13:46 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201203-95396.b\D39261.D

Injection Date:	03-Dec-2020 09:37:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	ICV			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Lab Sample ID: CCVIS 480-562098/4 Calibration Date: 12/05/2020 21:39

Instrument ID: HP5975D Calib Start Date: 12/01/2020 15:38

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/01/2020 18:22

Lab File ID: D39932.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.502	1.729	0.1000	28.8	25.0	15.1	50.0
Chloromethane	Ave	2.322	2.449	0.1000	26.4	25.0	5.5	20.0
Vinyl chloride	Ave	1.471	1.703	0.1000	28.9	25.0	15.8	20.0
Butadiene	Ave	1.410	1.711		30.3	25.0	21.3*	20.0
Bromomethane	Ave	0.9771	1.058	0.1000	27.1	25.0	8.2	50.0
Chloroethane	Ave	0.7927	0.8277	0.1000	26.1	25.0	4.4	50.0
Trichlorofluoromethane	Ave	1.673	1.942	0.1000	29.0	25.0	16.1	20.0
Dichlorofluoromethane	Ave	1.997	2.114		26.5	25.0	5.9	20.0
Ethyl ether	Ave	1.280	1.360		26.6	25.0	6.2	20.0
Acrolein	Ave	0.0621	0.0707		142	125	13.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.404	0.1000	26.8	25.0	7.2	20.0
1,1-Dichloroethene	Ave	1.116	1.278	0.1000	28.6	25.0	14.5	20.0
Acetone	Ave	0.5530	0.4974	0.1000	112	125	-10.0	50.0
Iodomethane	Ave	2.332	2.704		29.0	25.0	15.9	20.0
Carbon disulfide	Ave	4.120	4.476	0.1000	27.2	25.0	8.6	20.0
Allyl chloride	Ave	2.989	3.102		25.9	25.0	3.8	20.0
Methyl acetate	Ave	1.527	1.517	0.1000	49.7	50.0	-0.7	50.0
Methylene Chloride	Lin1		1.581	0.1000	25.8	25.0	3.0	20.0
2-Methyl-2-propanol	Ave	0.1543	0.1223		198	250	-20.7	50.0
Methyl tert-butyl ether	Ave	3.560	3.762	0.1000	26.4	25.0	5.7	20.0
trans-1,2-Dichloroethene	Ave	1.297	1.438	0.1000	27.7	25.0	10.9	20.0
Acrylonitrile	Ave	0.6837	0.7073		259	250	3.5	20.0
Hexane	Ave	2.169	2.468		28.4	25.0	13.8	20.0
1,1-Dichloroethane	Ave	2.665	2.891	0.2000	27.1	25.0	8.5	20.0
Vinyl acetate	Ave	4.320	4.483		51.9	50.0	3.8	20.0
2,2-Dichloropropane	Ave	1.444	1.495		25.9	25.0	3.5	20.0
cis-1,2-Dichloroethene	Ave	1.479	1.603	0.1000	27.1	25.0	8.4	20.0
2-Butanone (MEK)	Ave	0.9451	0.9226	0.1000	122	125	-2.4	20.0
Chlorobromomethane	Ave	0.8514	0.9700		28.5	25.0	13.9	20.0
Tetrahydrofuran	Ave	0.6621	0.6245		47.2	50.0	-5.7	20.0
Chloroform	Ave	2.609	2.658	0.2000	25.5	25.0	1.9	20.0
1,1,1-Trichloroethane	Ave	1.936	2.150	0.1000	27.8	25.0	11.1	20.0
Cyclohexane	Ave	2.602	3.044	0.1000	29.2	25.0	17.0	20.0
Carbon tetrachloride	Ave	1.745	2.002	0.1000	28.7	25.0	14.7	20.0
1,1-Dichloropropene	Ave	1.710	1.913		28.0	25.0	11.9	20.0
Isobutyl alcohol	Ave	0.0807	0.0598		463	625	-25.9	50.0
Benzene	Ave	5.174	5.506	0.5000	26.6	25.0	6.4	20.0
1,2-Dichloroethane	Ave	2.163	2.262	0.1000	26.1	25.0	4.6	20.0
n-Heptane	Ave	2.931	3.119		26.6	25.0	6.4	20.0
Trichloroethene	Ave	1.420	1.563	0.2000	27.5	25.0	10.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Lab Sample ID: CCVIS 480-562098/4 Calibration Date: 12/05/2020 21:39

Instrument ID: HP5975D Calib Start Date: 12/01/2020 15:38

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/01/2020 18:22

Lab File ID: D39932.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.980	2.328	0.1000	29.4	25.0	17.6	20.0
1,2-Dichloropropane	Ave	1.658	1.731	0.1000	26.1	25.0	4.4	20.0
1,4-Dioxane	Lin1		0.0022		287	500	-42.6	50.0
Dibromomethane	Ave	0.9684	1.057	0.1000	27.3	25.0	9.2	20.0
Bromodichloromethane	Ave	1.877	2.045	0.2000	27.2	25.0	8.9	20.0
2-Chloroethyl vinyl ether	Ave	1.073	1.113		25.9	25.0	3.7	20.0
cis-1,3-Dichloropropene	Ave	2.241	2.388	0.2000	26.6	25.0	6.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9558	0.9797	0.1000	128	125	2.5	20.0
Toluene	Ave	1.591	1.715	0.4000	26.9	25.0	7.8	20.0
trans-1,3-Dichloropropene	Ave	0.9661	1.040	0.1000	26.9	25.0	7.7	20.0
Ethyl methacrylate	Ave	0.8090	0.8788		27.2	25.0	8.6	20.0
1,1,2-Trichloroethane	Ave	0.5298	0.5630	0.1000	26.6	25.0	6.3	20.0
Tetrachloroethene	Ave	0.6909	0.7956	0.2000	28.8	25.0	15.2	20.0
1,3-Dichloropropane	Ave	0.9924	1.064		26.8	25.0	7.2	20.0
2-Hexanone	Ave	0.6810	0.6930	0.1000	127	125	1.8	20.0
Dibromochloromethane	Ave	0.7636	0.8566	0.1000	28.0	25.0	12.2	20.0
1,2-Dibromoethane	Ave	0.7066	0.7656		27.1	25.0	8.3	20.0
Chlorobenzene	Ave	1.921	2.067	0.5000	26.9	25.0	7.6	20.0
Ethylbenzene	Ave	3.024	3.253	0.1000	26.9	25.0	7.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6894	0.7678		27.8	25.0	11.4	20.0
m,p-Xylene	Ave	1.224	1.299	0.1000	26.5	25.0	6.1	20.0
o-Xylene	Ave	1.174	1.272	0.3000	27.1	25.0	8.3	20.0
Styrene	Ave	1.983	2.153	0.3000	27.1	25.0	8.6	20.0
Bromoform	Ave	0.5191	0.5566	0.1000	26.8	25.0	7.2	50.0
Isopropylbenzene	Ave	2.772	2.968	0.1000	26.8	25.0	7.1	20.0
Bromobenzene	Ave	0.7960	0.8520		26.8	25.0	7.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8310	0.8554	0.3000	25.7	25.0	2.9	20.0
N-Propylbenzene	Ave	3.300	3.519		26.7	25.0	6.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2724	0.2368		21.7	25.0	-13.1	50.0
1,2,3-Trichloropropane	Ave	0.2208	0.2295		26.0	25.0	4.0	20.0
2-Chlorotoluene	Ave	0.7097	0.7683		27.1	25.0	8.3	20.0
1,3,5-Trimethylbenzene	Ave	2.395	2.564		26.8	25.0	7.1	20.0
4-Chlorotoluene	Ave	0.7445	0.8019		26.9	25.0	7.7	20.0
tert-Butylbenzene	Ave	0.4870	0.5228		26.8	25.0	7.3	20.0
1,2,4-Trimethylbenzene	Ave	2.448	2.583		26.4	25.0	5.5	20.0
sec-Butylbenzene	Ave	3.025	3.255		26.9	25.0	7.6	20.0
4-Isopropyltoluene	Ave	2.675	2.865		26.8	25.0	7.1	20.0
1,3-Dichlorobenzene	Ave	1.499	1.555	0.6000	25.9	25.0	3.8	20.0
1,4-Dichlorobenzene	Ave	1.528	1.615	0.5000	26.4	25.0	5.7	20.0
n-Butylbenzene	Ave	2.359	2.571		27.2	25.0	9.0	20.0
1,2-Dichlorobenzene	Ave	1.482	1.558	0.4000	26.3	25.0	5.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Lab Sample ID: CCVIS 480-562098/4 Calibration Date: 12/05/2020 21:39

Instrument ID: HP5975D Calib Start Date: 12/01/2020 15:38

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 12/01/2020 18:22

Lab File ID: D39932.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1398	0.1422	0.0500	25.4	25.0	1.7	50.0
1,2,4-Trichlorobenzene	Ave	1.054	1.145	0.2000	27.2	25.0	8.6	20.0
Hexachlorobutadiene	Ave	0.4877	0.5654		29.0	25.0	15.9	20.0
Naphthalene	Ave	2.760	2.906		26.3	25.0	5.3	20.0
1,2,3-Trichlorobenzene	Ave	1.006	1.090		27.1	25.0	8.4	20.0
Dibromofluoromethane (Surr)	Ave	1.490	1.534		25.7	25.0	3.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8372	0.8381		25.0	25.0	0.1	20.0
Toluene-d8 (Surr)	Ave	2.392	2.451		25.6	25.0	2.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8276	0.8559		25.9	25.0	3.4	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39932.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 05-Dec-2020 21:39:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0095449-004
Operator ID: OI Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2020 11:31:18 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: izquierdoo Date: 06-Dec-2020 11:31:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	98	142679	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	87	309415	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	94	344113	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.940	0.000	95	218916	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	95	119582	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	94	758405	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.769	0.000	93	264814	25.0	25.9	
10 Dichlorodifluoromethane	85	1.447	1.447	0.000	99	246622	25.0	28.8	
12 Chloromethane	50	1.654	1.654	0.000	99	349424	25.0	26.4	
13 Vinyl chloride	62	1.758	1.758	0.000	97	243051	25.0	28.9	
144 Butadiene	54	1.776	1.776	0.000	95	244076	25.0	30.3	
14 Bromomethane	94	2.130	2.130	0.000	92	150886	25.0	27.1	
15 Chloroethane	64	2.233	2.233	0.000	96	118090	25.0	26.1	
17 Trichlorofluoromethane	101	2.453	2.453	0.000	97	277099	25.0	29.0	
16 Dichlorofluoromethane	67	2.459	2.459	0.000	98	301581	25.0	26.5	
18 Ethyl ether	59	2.739	2.739	0.000	96	194027	25.0	26.6	
20 Acrolein	56	2.934	2.934	0.000	98	50425	125.0	142.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.971	2.971	0.000	92	200265	25.0	26.8	
22 1,1-Dichloroethene	96	2.989	2.989	0.000	94	182309	25.0	28.6	
23 Acetone	43	3.087	3.087	0.000	98	354853	125.0	112.4	
25 Iodomethane	142	3.166	3.166	0.000	99	385837	25.0	29.0	
26 Carbon disulfide	76	3.184	3.184	0.000	100	638625	25.0	27.2	
28 3-Chloro-1-propene	41	3.325	3.325	0.000	90	442618	25.0	25.9	
27 Methyl acetate	43	3.367	3.367	0.000	100	433006	50.0	49.7	
30 Methylene Chloride	84	3.501	3.501	0.000	97	225558	25.0	25.8	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	97	174468	250.0	198.2	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	99	536814	25.0	26.4	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	94	205225	25.0	27.7	
33 Acrylonitrile	53	3.733	3.733	0.000	97	1009207	250.0	258.6	
35 Hexane	57	3.843	3.843	0.000	96	352151	25.0	28.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.056	4.056	0.000	97	412440	25.0	27.1	
37 Vinyl acetate	43	4.093	4.093	0.000	96	1279134	50.0	51.9	
44 2,2-Dichloropropane	77	4.513	4.513	0.000	94	213320	25.0	25.9	
45 cis-1,2-Dichloroethene	96	4.544	4.544	0.000	83	228721	25.0	27.1	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	97	658206	125.0	122.0	
48 Chlorobromomethane	128	4.751	4.751	0.000	94	138397	25.0	28.5	
49 Tetrahydrofuran	42	4.763	4.763	0.000	94	178214	50.0	47.2	
50 Chloroform	83	4.806	4.806	0.000	96	379289	25.0	25.5	
51 1,1,1-Trichloroethane	97	4.910	4.910	0.000	98	306817	25.0	27.8	
52 Cyclohexane	56	4.916	4.916	0.000	95	434375	25.0	29.2	
55 Carbon tetrachloride	117	5.026	5.026	0.000	98	285671	25.0	28.7	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	92	272914	25.0	28.0	
53 Isobutyl alcohol	43	5.190	5.190	0.000	94	213390	625.0	463.4	
57 Benzene	78	5.208	5.208	0.000	96	785609	25.0	26.6	
58 1,2-Dichloroethane	62	5.263	5.263	0.000	96	322756	25.0	26.1	
59 n-Heptane	43	5.330	5.330	0.000	97	445038	25.0	26.6	
62 Trichloroethene	95	5.708	5.708	0.000	96	223058	25.0	27.5	
64 Methylcyclohexane	83	5.806	5.806	0.000	98	332092	25.0	29.4	
65 1,2-Dichloropropane	63	5.909	5.909	0.000	94	246932	25.0	26.1	
66 1,4-Dioxane	88	6.013	6.013	0.000	97	13521	500.0	287.2	M
67 Dibromomethane	93	6.025	6.025	0.000	96	150838	25.0	27.3	
68 Dichlorobromomethane	83	6.135	6.135	0.000	97	291748	25.0	27.2	
69 2-Chloroethyl vinyl ether	63	6.336	6.336	0.000	92	158816	25.0	25.9	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	91	340747	25.0	26.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.562	0.000	98	1515716	125.0	128.1	
74 Toluene	92	6.696	6.696	0.000	98	530649	25.0	26.9	
77 trans-1,3-Dichloropropene	75	6.903	6.903	0.000	97	321842	25.0	26.9	
75 Ethyl methacrylate	69	6.909	6.909	0.000	95	271911	25.0	27.2	
79 1,1,2-Trichloroethane	83	7.062	7.062	0.000	91	174210	25.0	26.6	
81 Tetrachloroethene	166	7.117	7.117	0.000	95	246172	25.0	28.8	
82 1,3-Dichloropropane	76	7.190	7.190	0.000	98	329185	25.0	26.8	
80 2-Hexanone	43	7.214	7.214	0.000	99	1072086	125.0	127.2	
83 Chlorodibromomethane	129	7.385	7.385	0.000	91	265043	25.0	28.0	
84 Ethylene Dibromide	107	7.476	7.476	0.000	98	236873	25.0	27.1	
87 Chlorobenzene	112	7.836	7.836	0.000	97	639713	25.0	26.9	
88 Ethylbenzene	91	7.885	7.885	0.000	98	1006597	25.0	26.9	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.903	0.000	97	237558	25.0	27.8	
90 m-Xylene & p-Xylene	106	7.976	7.976	0.000	98	401829	25.0	26.5	
91 o-Xylene	106	8.311	8.311	0.000	97	393468	25.0	27.1	
92 Styrene	104	8.336	8.336	0.000	96	666195	25.0	27.1	
95 Bromoform	173	8.549	8.549	0.000	97	172229	25.0	26.8	
94 Isopropylbenzene	105	8.598	8.598	0.000	96	1021390	25.0	26.8	
101 Bromobenzene	156	8.909	8.909	0.000	90	293176	25.0	26.8	
97 1,1,2,2-Tetrachloroethane	83	8.915	8.915	0.000	93	294341	25.0	25.7	
99 N-Propylbenzene	91	8.939	8.939	0.000	99	1210824	25.0	26.7	
98 trans-1,4-Dichloro-2-butene	53	8.952	8.952	0.000	73	81475	25.0	21.7	
100 1,2,3-Trichloropropane	110	8.958	8.958	0.000	90	78974	25.0	26.0	
103 2-Chlorotoluene	126	9.049	9.049	0.000	98	264391	25.0	27.1	
102 1,3,5-Trimethylbenzene	105	9.080	9.080	0.000	94	882436	25.0	26.8	
105 4-Chlorotoluene	126	9.134	9.134	0.000	97	275935	25.0	26.9	
106 tert-Butylbenzene	134	9.354	9.354	0.000	93	179896	25.0	26.8	
107 1,2,4-Trimethylbenzene	105	9.403	9.403	0.000	97	889014	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.537	9.537	0.000	94	1120020	25.0	26.9	
110 4-Isopropyltoluene	119	9.653	9.653	0.000	97	985859	25.0	26.8	
111 1,3-Dichlorobenzene	146	9.683	9.683	0.000	99	535252	25.0	25.9	
113 1,4-Dichlorobenzene	146	9.756	9.756	0.000	97	555904	25.0	26.4	
115 n-Butylbenzene	91	10.000	10.000	0.000	98	884715	25.0	27.2	
116 1,2-Dichlorobenzene	146	10.085	10.085	0.000	98	536233	25.0	26.3	
117 1,2-Dibromo-3-Chloropropane	75	10.774	10.774	0.000	87	48939	25.0	25.4	
119 1,2,4-Trichlorobenzene	180	11.415	11.415	0.000	95	394047	25.0	27.2	
120 Hexachlorobutadiene	225	11.506	11.506	0.000	98	194569	25.0	29.0	
121 Naphthalene	128	11.628	11.628	0.000	97	999970	25.0	26.3	
122 1,2,3-Trichlorobenzene	180	11.817	11.817	0.000	96	375027	25.0	27.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00199	Amount Added:	12.50	Units: uL	
GAS CORP mix_00430	Amount Added:	12.50	Units: uL	
D 8260 IS/SUR_00025	Amount Added:	1.00	Units: uL	Run Reagent

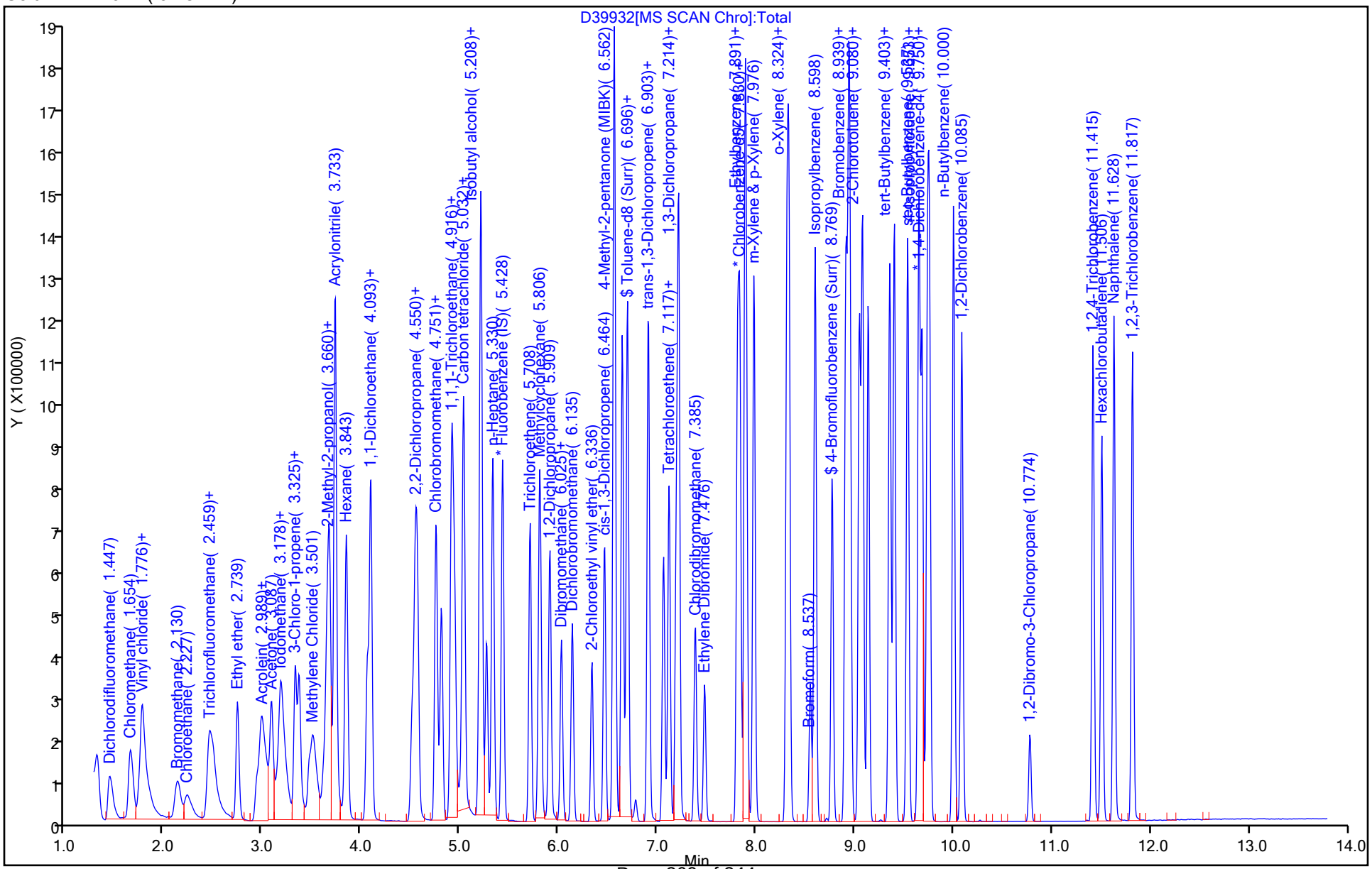
Report Date: 06-Dec-2020 11:31:18 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39932.D

Injection Date:	05-Dec-2020 21:39:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

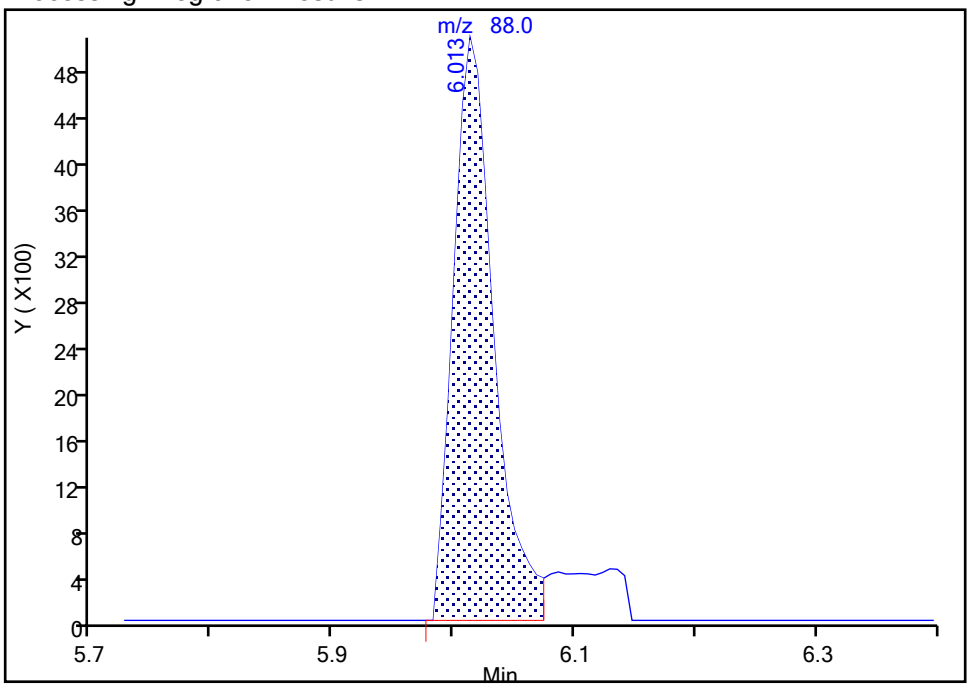
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39932.D
Injection Date: 05-Dec-2020 21:39:30 Instrument ID: HP5975D
Lims ID: CCVIS
Client ID:
Operator ID: OI ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

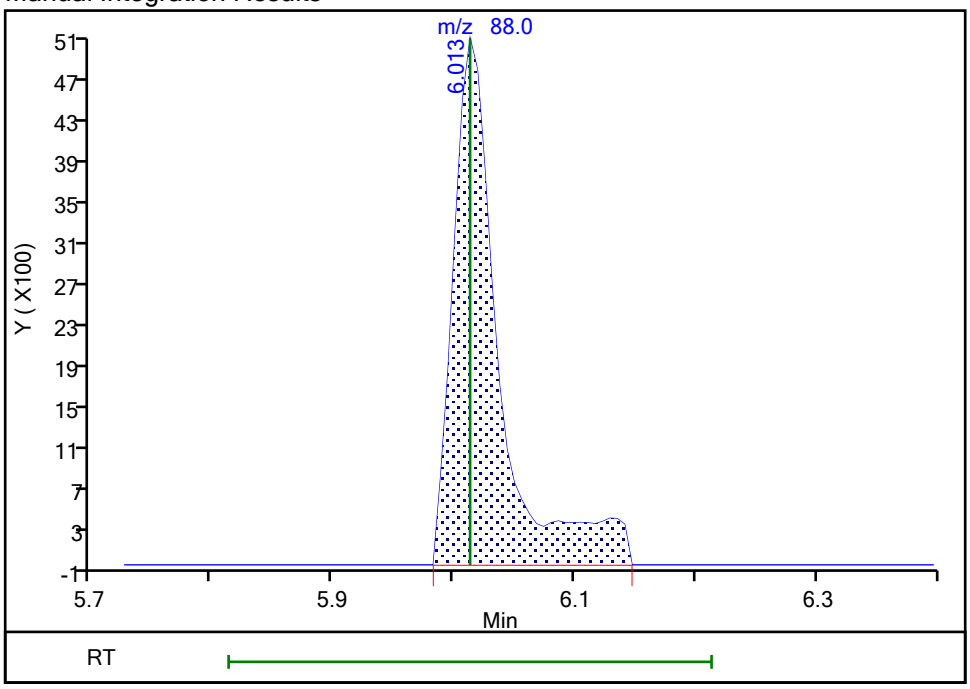
Processing Integration Results

RT: 6.01
Area: 11819
Amount: 252.8771
Amount Units: ug/L



Manual Integration Results

RT: 6.01
Area: 13521
Amount: 287.2243
Amount Units: ug/L



Reviewer: izquierdoo, 06-Dec-2020 11:30:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39222.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 01-Dec-2020 14:52:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0095354-001
Operator ID: WD Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Dec-2020 10:47:44 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: HillL Date: 03-Dec-2020 10:47:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.604	4.604	0.000	0	76798	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

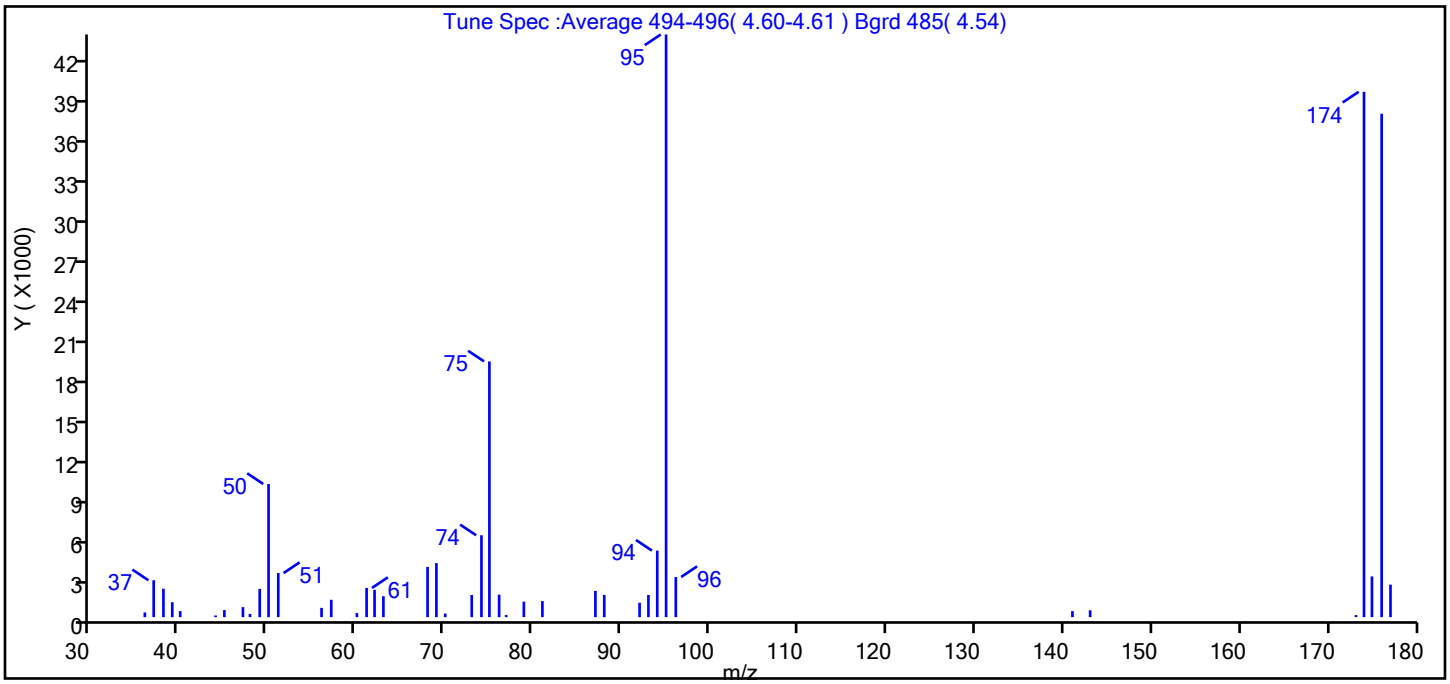
BFB_WRK_00114 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39222.D
Injection Date: 01-Dec-2020 14:52:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: WD ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.9
75	30 to 60% of m/z 95	43.9
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.4 (0.4)
174	50 to 120% of m/z 95	90.2
175	5 to 9% of m/z 174	7.0 (7.8)
176	Greater than 95% but less than 101% of m/z 174	86.4 (95.8)
177	5 to 9% of m/z 176	5.6 (6.5)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39222.D\D-8260.rslt\spectra.d
Injection Date: 01-Dec-2020 14:52:30
Spectrum: Tune Spec :Average 494-496(4.60-4.61) Bgrd 485(4.54)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	351	51.00	3299	74.00	6125	95.00	43584
37.00	2759	56.00	695	75.00	19128	96.00	3003
38.00	2126	57.00	1298	76.00	1683	141.00	451
39.00	1118	60.00	305	77.00	157	143.00	513
40.00	451	61.00	2184	79.00	1161	173.00	155
44.00	124	62.00	2041	81.00	1201	174.00	39296
45.00	529	63.00	1564	87.00	1964	175.00	3046
47.00	750	68.00	3759	88.00	1664	176.00	37656
48.00	243	69.00	4043	92.00	1077	177.00	2432
49.00	2113	70.00	267	93.00	1661		
50.00	9961	73.00	1656	94.00	4975		

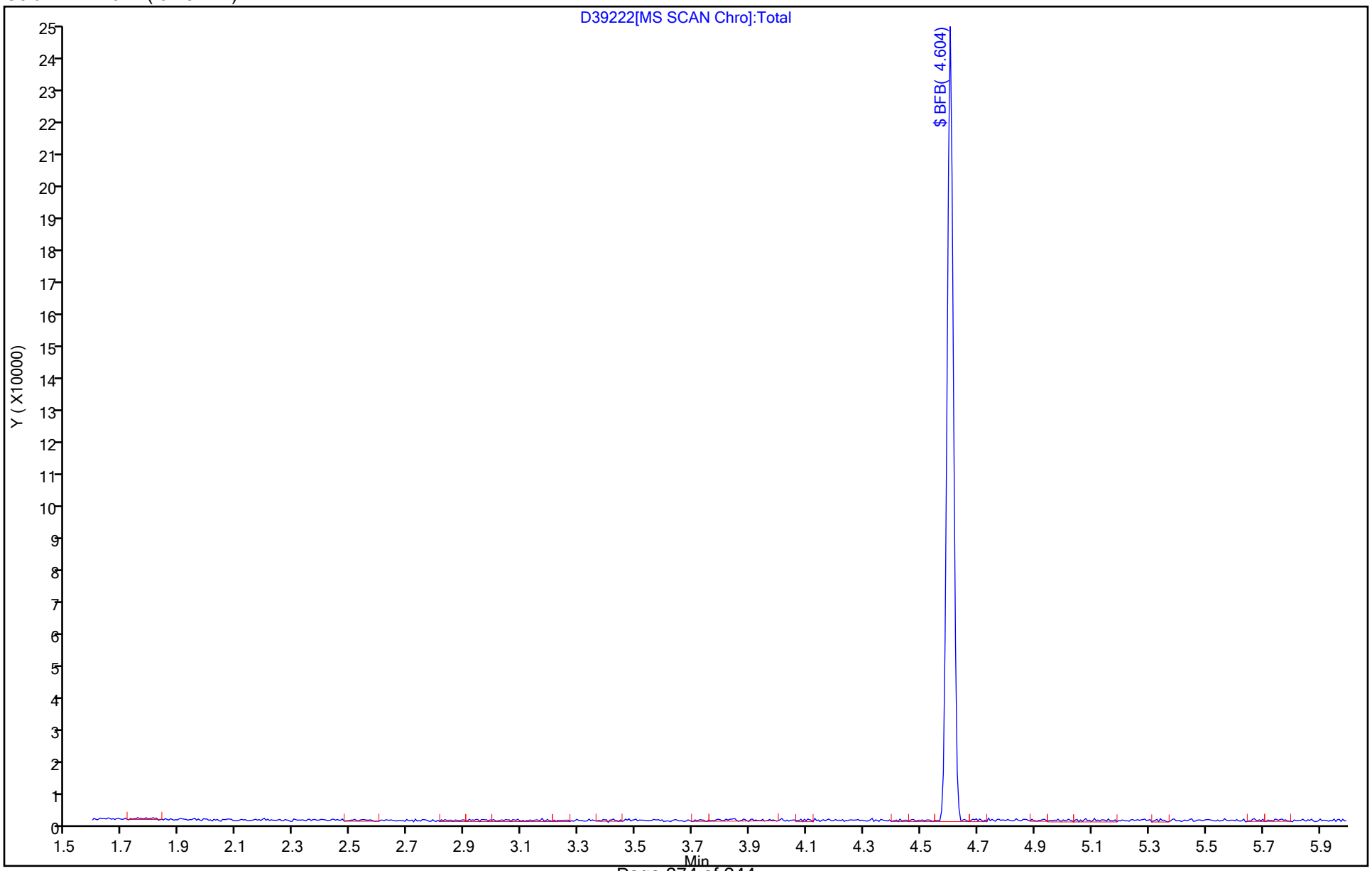
Report Date: 03-Dec-2020 10:47:45 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39222.D

Injection Date:	01-Dec-2020 14:52:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201203-95396.b\D39260.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 03-Dec-2020 09:15:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0095396-002
Operator ID: WD Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201203-95396.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Dec-2020 09:22:18 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: dahnw Date: 03-Dec-2020 09:22:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.580	4.580	0.000	0	109448	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

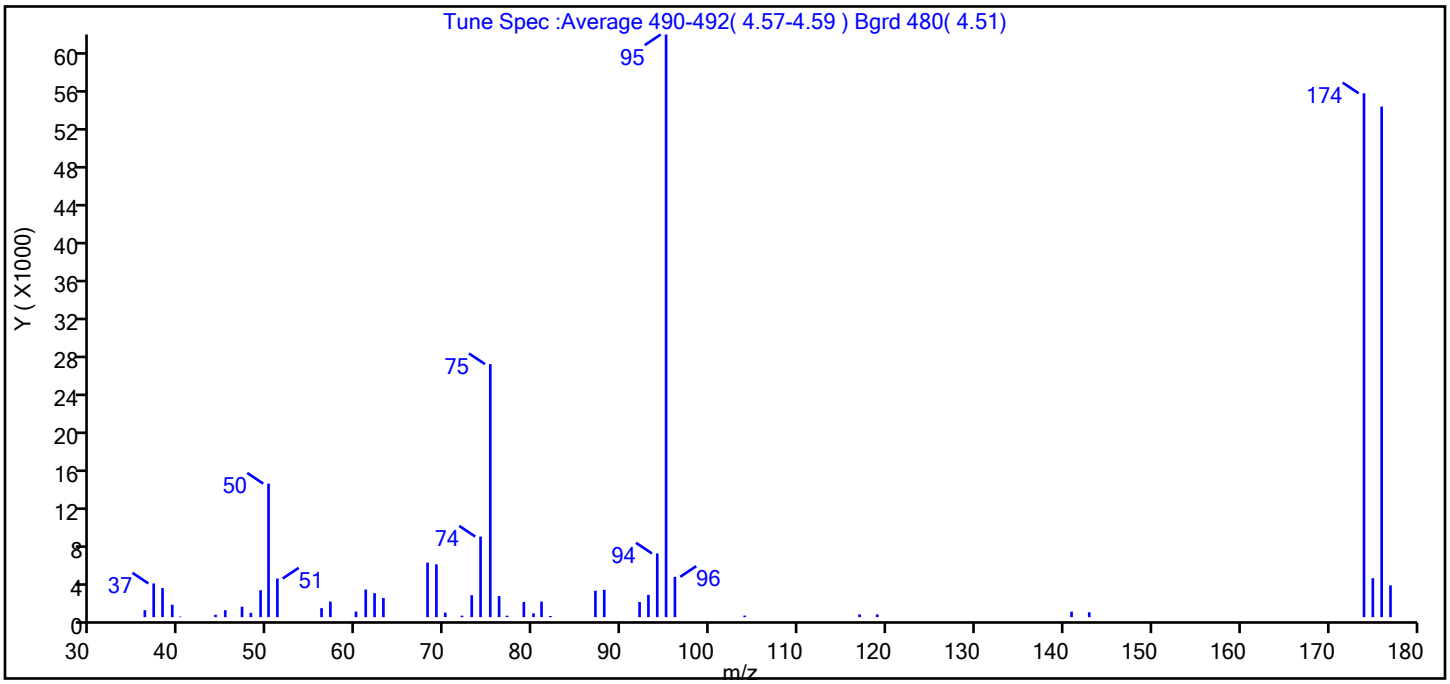
BFB_WRK_00114 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201203-95396.b\D39260.D
Injection Date: 03-Dec-2020 09:15:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: WD ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.9
75	30 to 60% of m/z 95	43.4
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	89.9
175	5 to 9% of m/z 174	6.7 (7.4)
176	Greater than 95% but less than 101% of m/z 174	87.6 (97.5)
177	5 to 9% of m/z 176	5.5 (6.2)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201203-95396.b\D39260.D\D-8260.rslt\spectra.d
Injection Date: 03-Dec-2020 09:15:30
Spectrum: Tune Spec :Average 490-492(4.57-4.59) Bgrd 480(4.51)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	738	56.00	953	75.00	26848	95.00	61824
37.00	3574	57.00	1653	76.00	2233	96.00	4278
38.00	3082	60.00	592	77.00	156	104.00	166
39.00	1322	61.00	2928	79.00	1615	117.00	288
40.00	59	62.00	2546	80.00	400	119.00	295
44.00	254	63.00	2030	81.00	1649	141.00	585
45.00	737	68.00	5789	82.00	121	143.00	510
47.00	1108	69.00	5597	87.00	2798	174.00	55584
48.00	453	70.00	482	88.00	2898	175.00	4135
49.00	2850	72.00	158	92.00	1601	176.00	54176
50.00	14167	73.00	2334	93.00	2364	177.00	3373
51.00	4099	74.00	8550	94.00	6760		

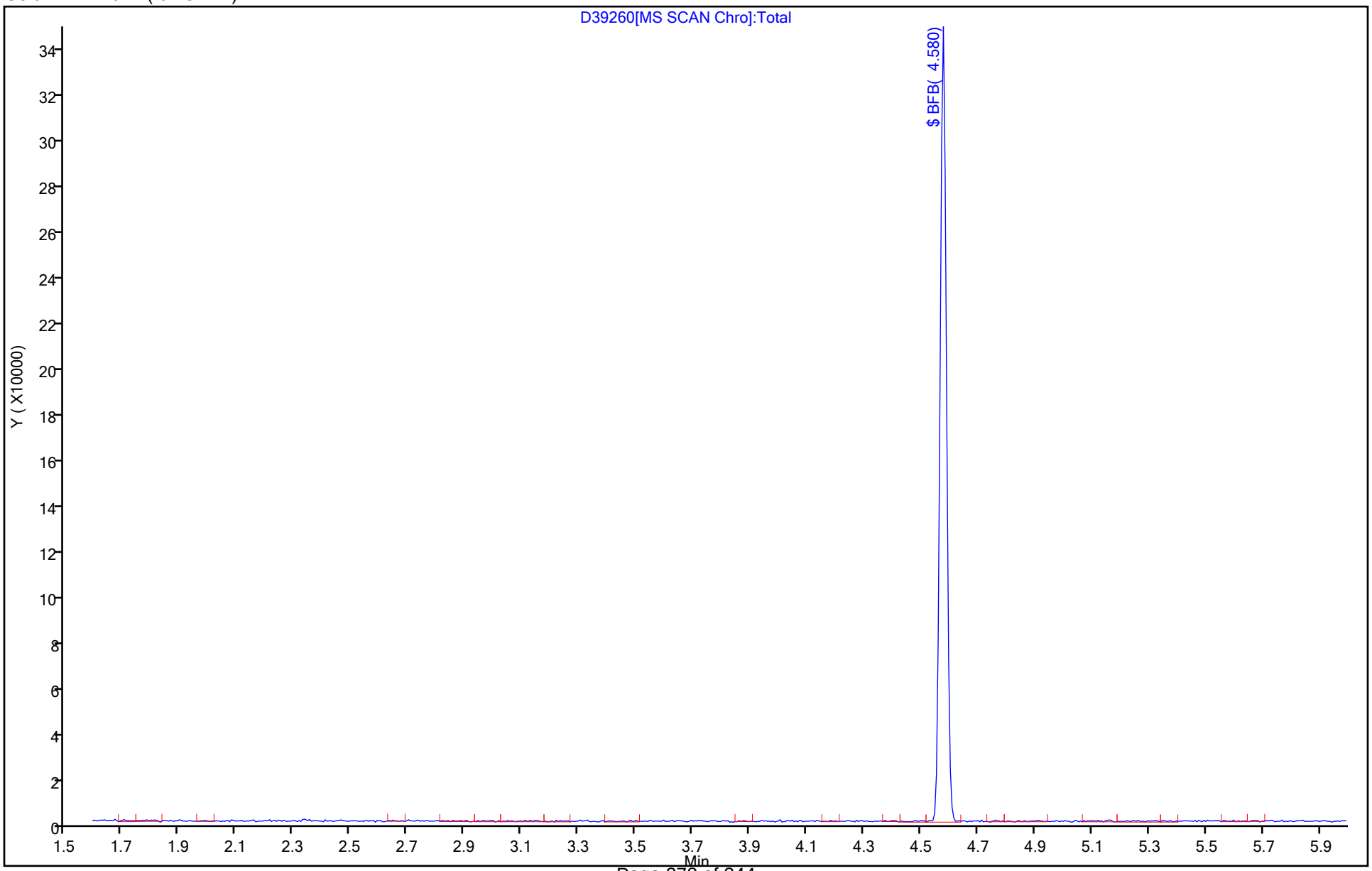
Report Date: 03-Dec-2020 09:22:18 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201203-95396.b\D39260.D

Injection Date:	03-Dec-2020 09:15:30	Instrument ID:	HP5975D	Operator ID:	WD
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39931.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	05-Dec-2020 21:16:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0095449-003				
Operator ID:	OI	Instrument ID:	HP5975D		
Method:	\\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	06-Dec-2020 11:30:23	Calib Date:	01-Dec-2020 22:37:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1629				
First Level Reviewer: izquierdoo		Date:	06-Dec-2020 11:30:23		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.635	4.635	0.000	0	583149	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

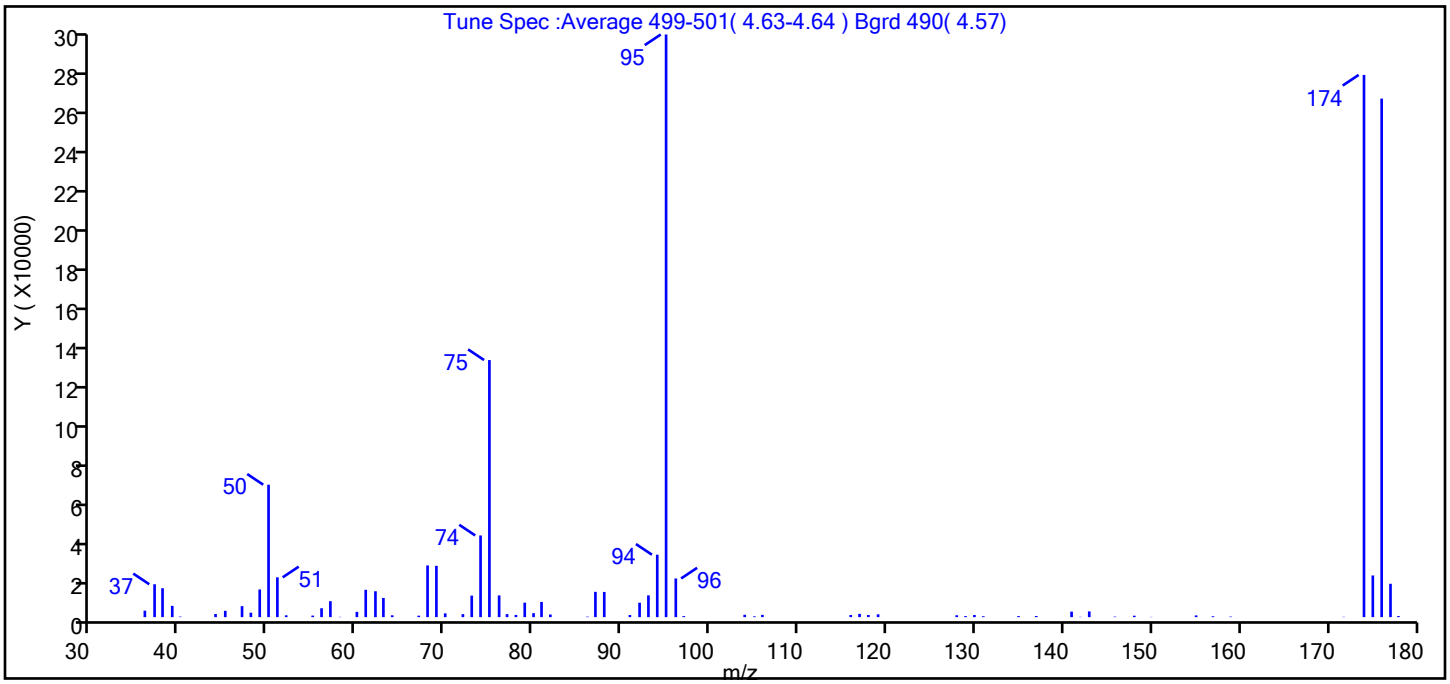
BFB_WRK_00114 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39931.D
Injection Date: 05-Dec-2020 21:16:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: OI ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.7
75	30 to 60% of m/z 95	44.1
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	93.1
175	5 to 9% of m/z 174	7.2 (7.7)
176	Greater than 95% but less than 101% of m/z 174	89.0 (95.6)
177	5 to 9% of m/z 176	5.7 (6.4)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39931.D\D-8260.rslt\spectra.d
Injection Date: 05-Dec-2020 21:16:30
Spectrum: Tune Spec :Average 499-501(4.63-4.64) Bgrd 490(4.57)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 75

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3289	62.00	13152	87.00	12858	131.00	457
37.00	16704	63.00	9752	88.00	12799	135.00	521
38.00	14687	64.00	940	91.00	1078	137.00	595
39.00	5729	67.00	747	92.00	7318	141.00	2815
40.00	272	68.00	26256	93.00	11058	142.00	146
44.00	1586	69.00	26056	94.00	31712	143.00	2916
45.00	3206	70.00	1911	95.00	295936	146.00	259
47.00	5582	72.00	1530	96.00	19640	148.00	732
48.00	2265	73.00	10942	97.00	520	150.00	129
49.00	14058	74.00	41488	104.00	1191	155.00	879
50.00	67264	75.00	130576	105.00	405	157.00	438
51.00	20224	76.00	11042	106.00	1167	159.00	270
52.00	930	77.00	1525	116.00	1073	172.00	154
55.00	791	78.00	1114	117.00	1664	174.00	275392
56.00	4517	79.00	7346	118.00	1103	175.00	21168
57.00	8100	80.00	2015	119.00	1417	176.00	263360
58.00	146	81.00	7731	128.00	954	177.00	16944
60.00	2683	82.00	1355	129.00	533	178.00	528
61.00	13890	86.00	256	130.00	1082		

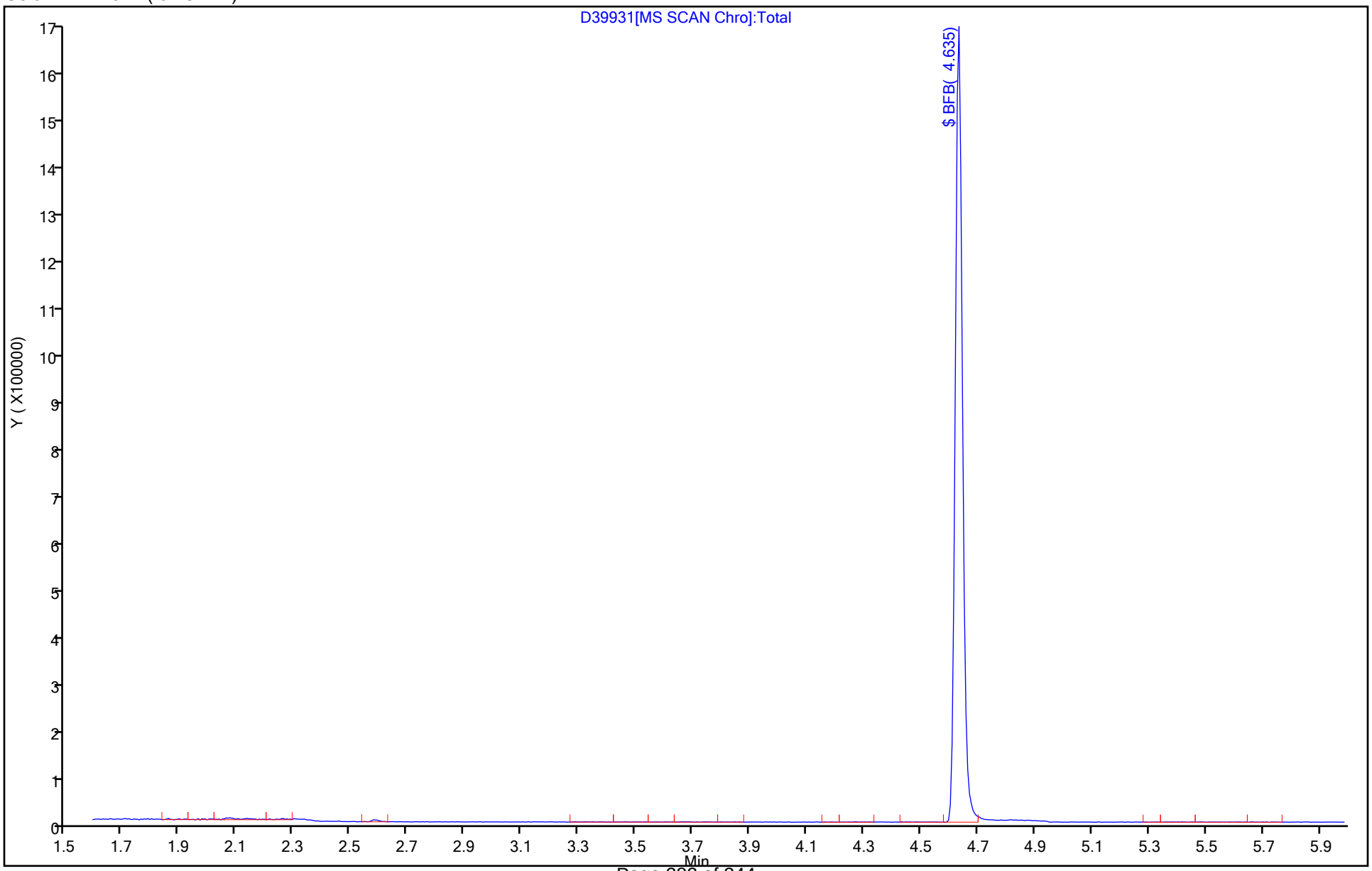
Report Date: 06-Dec-2020 11:30:23 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39931.D

Injection Date:	05-Dec-2020 21:16:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-562098/8

Matrix: Water Lab File ID: D39936.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/05/2020 23:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-562098/8

Matrix: Water Lab File ID: D39936.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/05/2020 23:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39936.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 05-Dec-2020 23:11:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0095449-008
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2020 11:35:20 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: izquierdoo Date: 06-Dec-2020 11:35:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	98	147824	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	86	318646	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	95	357653	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.940	0.000	93	223565	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.209	-0.001	97	122531	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	95	772843	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.769	0.000	94	270414	25.0	25.6	
10 Dichlorodifluoromethane	85		1.447					ND	
11 Chlorodifluoromethane	51		1.478					ND	
12 Chloromethane	50		1.654					ND	
13 Vinyl chloride	62		1.758					ND	
144 Butadiene	54		1.776					ND	
14 Bromomethane	94		2.130					ND	U
15 Chloroethane	64		2.233					ND	
17 Trichlorofluoromethane	101		2.453					ND	
16 Dichlorofluoromethane	67		2.459					ND	
18 Ethyl ether	59		2.739					ND	
141 Ethanol	45	2.770	2.764	0.006	97	4865		84.8	
19 Propene oxide	58		2.837					ND	
20 Acrolein	56		2.934					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.971					ND	
22 1,1-Dichloroethene	96		2.989					ND	
23 Acetone	43		3.087					ND	
25 Iodomethane	142		3.166					ND	
26 Carbon disulfide	76		3.184					ND	
24 Isopropyl alcohol	45		3.264					ND	
28 3-Chloro-1-propene	41		3.325					ND	
27 Methyl acetate	43		3.367					ND	
29 Acetonitrile	40		3.392					ND	
30 Methylene Chloride	84		3.501					ND	
31 2-Methyl-2-propanol	59		3.617					ND	U

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.654					ND	
34 trans-1,2-Dichloroethene	96		3.678					ND	
33 Acrylonitrile	53		3.733					ND	
35 Hexane	57		3.843					ND	
36 Isopropyl ether	45		4.050					ND	
39 1,1-Dichloroethane	63		4.056					ND	
132 Halothane	117		4.081					ND	
37 Vinyl acetate	43		4.093					ND	
40 2-Chloro-1,3-butadiene	53		4.105					ND	
38 1,1-Dimethoxyethane	75		4.123					ND	
41 Tert-butyl ethyl ether	59		4.349					ND	
44 2,2-Dichloropropane	77		4.513					ND	
45 cis-1,2-Dichloroethene	96		4.544					ND	
43 2-Butanone (MEK)	43		4.568					ND	
42 Ethyl acetate	43		4.581					ND	
46 Propionitrile	54		4.666					ND	
48 Chlorobromomethane	128		4.751					ND	
47 Methacrylonitrile	41		4.757					ND	
49 Tetrahydrofuran	42		4.763					ND	
50 Chloroform	83	4.806	4.806	0.000	84	1542		0.1000	
51 1,1,1-Trichloroethane	97		4.910					ND	
52 Cyclohexane	56		4.916					ND	
55 Carbon tetrachloride	117		5.026					ND	
54 1,1-Dichloropropene	75		5.038					ND	
53 Isobutyl alcohol	43		5.190					ND	
146 Isooctane	57		5.190					ND	
57 Benzene	78		5.208					ND	
140 t-Amyl alcohol	59		5.245					ND	
56 Tert-amyl methyl ether	73		5.251					ND	
58 1,2-Dichloroethane	62		5.263					ND	
59 n-Heptane	43		5.330					ND	
1 1,4-Difluorobenzene	114		5.507					ND	
154 2,4,4-Trimethyl-1-pentene	55		5.599					ND	
60 n-Butanol	56	5.708	5.696	0.012	91	2167		10.7	
62 Trichloroethene	95		5.708					ND	
153 2,4,4-Trimethyl-2-pentene	97		5.782					ND	
145 Ethyl acrylate	55		5.782					ND	
64 Methylcyclohexane	83		5.806					ND	
65 1,2-Dichloropropane	63		5.909					ND	
63 Methyl methacrylate	41		5.952					ND	
66 1,4-Dioxane	88	6.013	6.013	0.000	95	6671		145.1	a
67 Dibromomethane	93		6.025					ND	
68 Dichlorobromomethane	83		6.135					ND	
70 2-Nitropropane	43		6.330					ND	
69 2-Chloroethyl vinyl ether	63		6.336					ND	
71 Epichlorohydrin	57		6.428					ND	
72 cis-1,3-Dichloropropene	75		6.464					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.562					ND	U
74 Toluene	92		6.696					ND	
76 2-Methylthiophene	97		6.806					ND	
77 trans-1,3-Dichloropropene	75		6.903					ND	
75 Ethyl methacrylate	69		6.909					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		6.934					ND	
79 1,1,2-Trichloroethane	83		7.062					ND	
81 Tetrachloroethene	166		7.117					ND	
82 1,3-Dichloropropane	76		7.190					ND	
80 2-Hexanone	43		7.214					ND	
155 n-Butyl acetate	43		7.275					ND	
83 Chlorodibromomethane	129		7.385					ND	
84 Ethylene Dibromide	107		7.476					ND	
139 1-Chlorohexane	55		7.763					ND	U
85 3-Chlorobenzotrifluoride	180		7.769					ND	
86 4-Chlorobenzotrifluoride	180		7.818					ND	
87 Chlorobenzene	112		7.836					ND	
88 Ethylbenzene	91		7.885					ND	
89 1,1,1,2-Tetrachloroethane	131		7.903					ND	
90 m-Xylene & p-Xylene	106		7.976					ND	
91 o-Xylene	106		8.311					ND	
92 Styrene	104		8.336					ND	
93 2-Chlorobenzotrifluoride	180		8.531					ND	
95 Bromoform	173		8.549					ND	
94 Isopropylbenzene	105		8.598					ND	
96 Cyclohexanone	55		8.763					ND	U
101 Bromobenzene	156		8.909					ND	
97 1,1,2,2-Tetrachloroethane	83		8.915					ND	
99 N-Propylbenzene	91		8.939					ND	
98 trans-1,4-Dichloro-2-butene	53		8.952					ND	
100 1,2,3-Trichloropropane	110		8.958					ND	
103 2-Chlorotoluene	126		9.049					ND	
102 1,3,5-Trimethylbenzene	105		9.080					ND	
104 3-Chlorotoluene	126		9.098					ND	
105 4-Chlorotoluene	126		9.134					ND	
106 tert-Butylbenzene	134		9.354					ND	
107 1,2,4-Trimethylbenzene	105		9.403					ND	
108 Pentachloroethane	167		9.427					ND	
109 sec-Butylbenzene	105		9.537					ND	
110 4-Isopropyltoluene	119		9.653					ND	
111 1,3-Dichlorobenzene	146		9.683					ND	
114 Dicyclopentadiene	66		9.744					ND	
113 1,4-Dichlorobenzene	146		9.756					ND	
112 1,2,3-Trimethylbenzene	105		9.769					ND	
143 Benzyl chloride	91		9.884					ND	
115 n-Butylbenzene	91		10.000					ND	
116 1,2-Dichlorobenzene	146		10.085					ND	
117 1,2-Dibromo-3-Chloropropane	75		10.774					ND	
118 1,3,5-Trichlorobenzene	180		10.896					ND	
119 1,2,4-Trichlorobenzene	180		11.415					ND	
120 Hexachlorobutadiene	225		11.506					ND	
121 Naphthalene	128		11.628					ND	
122 1,2,3-Trichlorobenzene	180		11.817					ND	
142 2-Methylnaphthalene	142		12.549					ND	U
149 Hexachloroethane	117		0.000					ND	
152 cis-1,4-Dichloro-2-butene	88		0.000					ND	
150 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 124 Xylenes, Total	1		30.000					ND	7
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

D 8260 IS/SUR_00025 Amount Added: 1.00 Units: uL Run Reagent

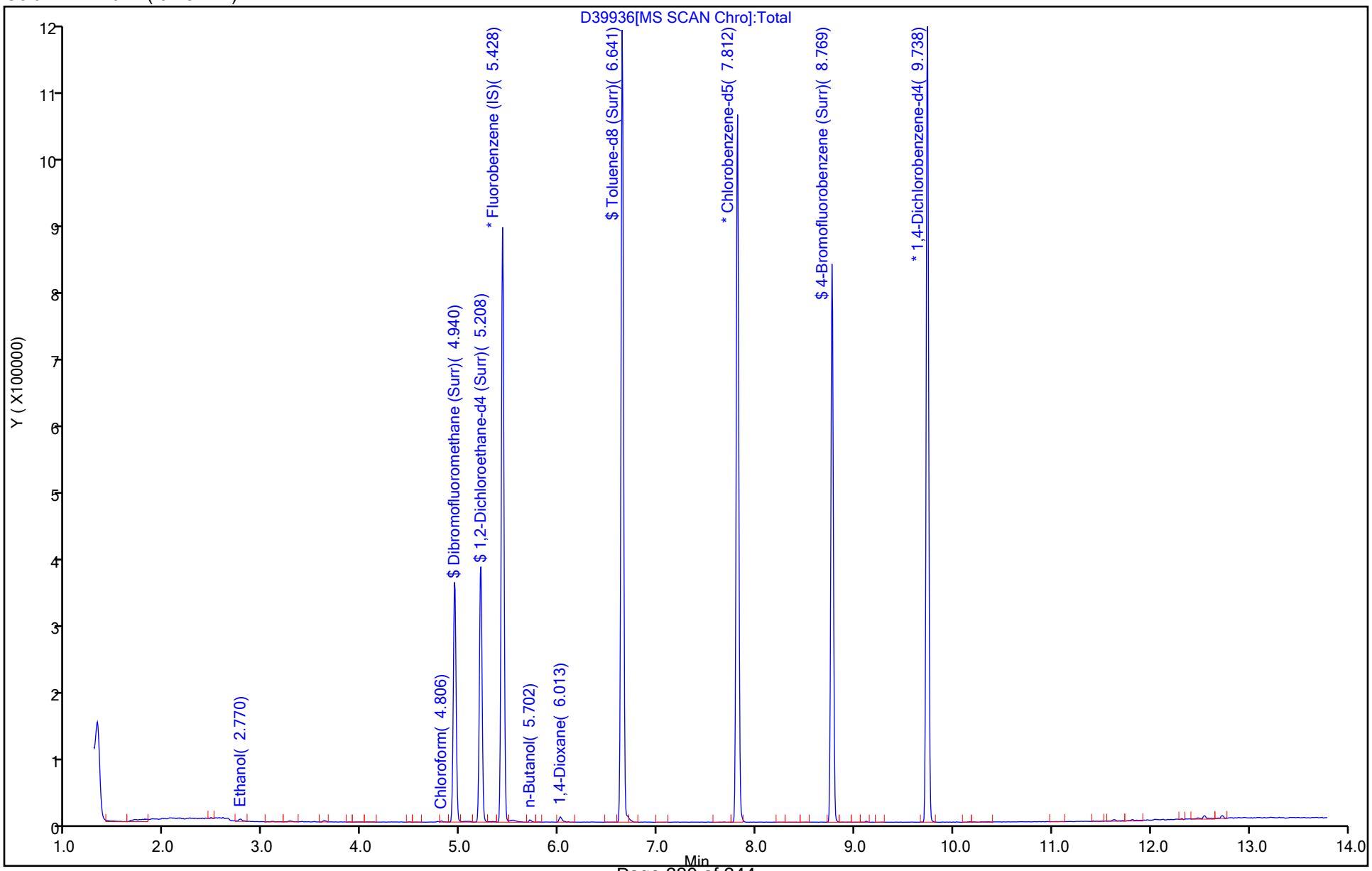
Report Date: 06-Dec-2020 11:35:21 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39936.D

Injection Date:	05-Dec-2020 23:11:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



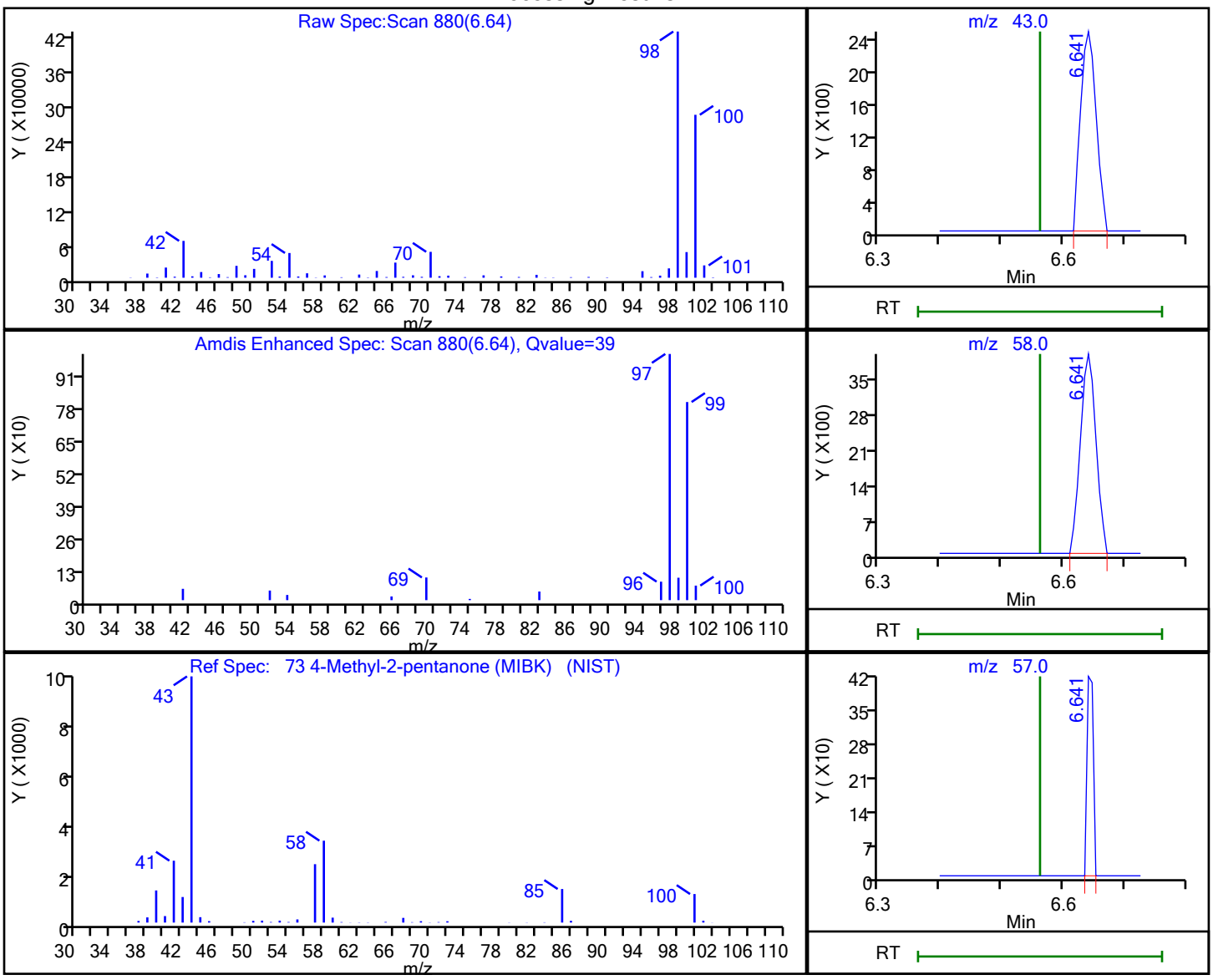
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39936.D
Injection Date: 05-Dec-2020 23:11:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.64	43.00	4349	0.356998
6.64	58.00	7061	
6.64	57.00	297	

Reviewer: izquierdoo, 06-Dec-2020 11:34:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

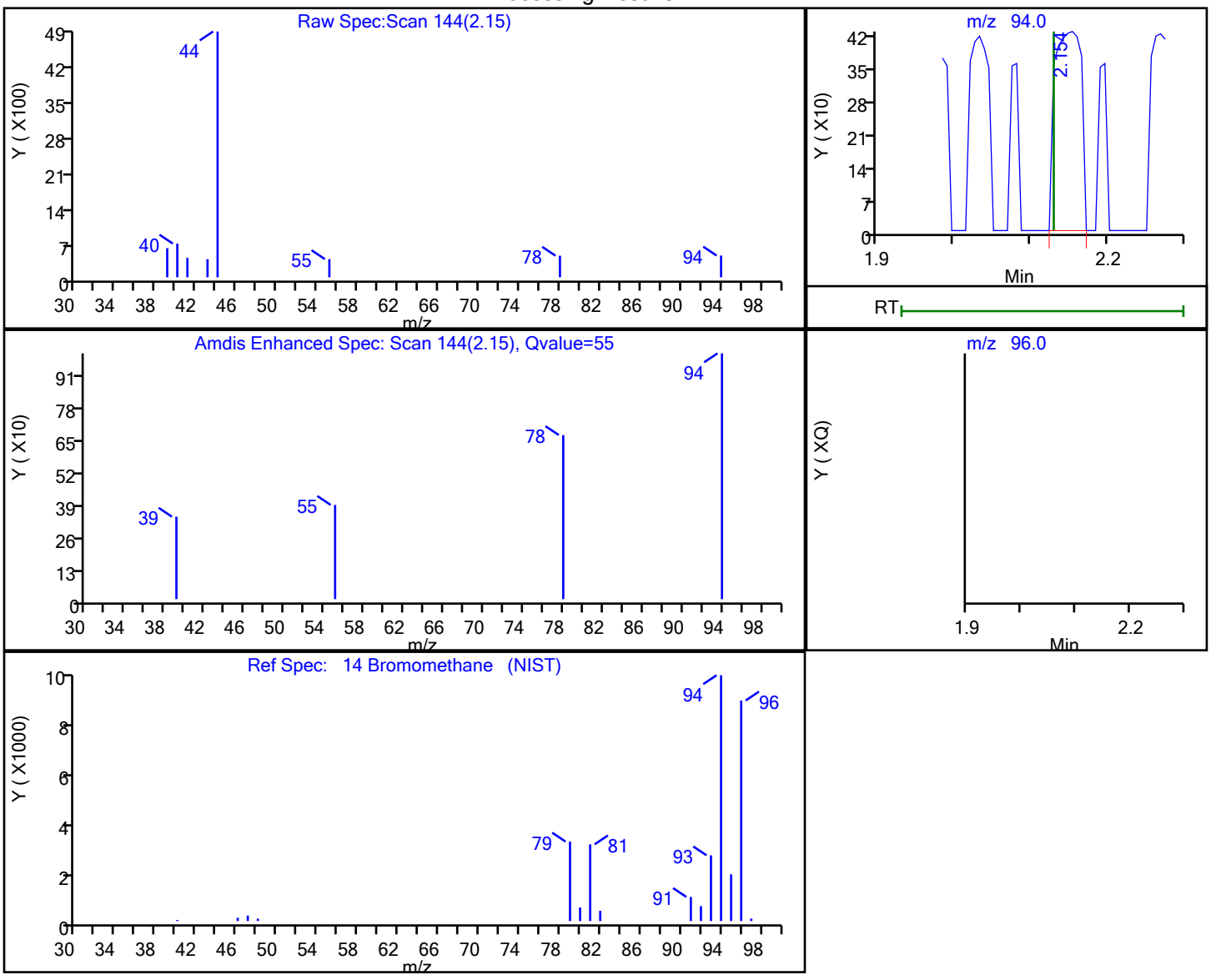
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39936.D
Injection Date: 05-Dec-2020 23:11:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.15	94.00	1032	0.178628
2.13	96.00	0	

Reviewer: izquierdoo, 06-Dec-2020 11:34:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-562098/6

Matrix: Water Lab File ID: D39934.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/05/2020 22:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.8		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.4		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.2		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25.3		1.0	0.31
75-34-3	1,1-Dichloroethane	26.0		1.0	0.38
75-35-4	1,1-Dichloroethene	26.9		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.6		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	25.2		1.0	0.39
95-50-1	1,2-Dichlorobenzene	25.5		1.0	0.79
107-06-2	1,2-Dichloroethane	25.5		1.0	0.21
78-87-5	1,2-Dichloropropane	25.5		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.1		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.2		1.0	0.84
78-93-3	2-Butanone (MEK)	123		10	1.3
591-78-6	2-Hexanone	126		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	128		5.0	2.1
67-64-1	Acetone	111		10	3.0
71-43-2	Benzene	25.8		1.0	0.41
75-27-4	Bromodichloromethane	26.8		1.0	0.39
75-25-2	Bromoform	26.5		1.0	0.26
74-83-9	Bromomethane	24.6		1.0	0.69
75-15-0	Carbon disulfide	25.7		1.0	0.19
56-23-5	Carbon tetrachloride	27.6		1.0	0.27
108-90-7	Chlorobenzene	25.7		1.0	0.75
124-48-1	Dibromochloromethane	27.1		1.0	0.32
75-00-3	Chloroethane	23.7		1.0	0.32
67-66-3	Chloroform	24.5		1.0	0.34
74-87-3	Chloromethane	24.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.2		1.0	0.36
110-82-7	Cyclohexane	27.8		1.0	0.18
75-71-8	Dichlorodifluoromethane	26.5		1.0	0.68
100-41-4	Ethylbenzene	25.5		1.0	0.74
106-93-4	1,2-Dibromoethane	26.4		1.0	0.73
98-82-8	Isopropylbenzene	25.3		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-562098/6

Matrix: Water Lab File ID: D39934.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/05/2020 22:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	49.0		2.5	1.3
1634-04-4	Methyl tert-butyl ether	26.3		1.0	0.16
108-87-2	Methylcyclohexane	28.1		1.0	0.16
75-09-2	Methylene Chloride	24.5		1.0	0.44
100-42-5	Styrene	26.3		1.0	0.73
127-18-4	Tetrachloroethene	27.3		1.0	0.36
108-88-3	Toluene	25.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.2		1.0	0.37
79-01-6	Trichloroethene	26.4		1.0	0.46
75-69-4	Trichlorofluoromethane	27.1		1.0	0.88
75-01-4	Vinyl chloride	26.8		1.0	0.90
1330-20-7	Xylenes, Total	50.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39934.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 05-Dec-2020 22:25:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0095449-006
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2020 11:31:41 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: izquierdoo Date: 06-Dec-2020 11:32:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	98	143472	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	87	312565	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	94	352164	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.940	0.000	95	220327	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.209	-0.001	95	120882	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	95	758378	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.769	0.000	97	264726	25.0	25.6	
10 Dichlorodifluoromethane	85	1.447	1.447	0.000	99	228149	25.0	26.5	
12 Chloromethane	50	1.654	1.654	0.000	99	327322	25.0	24.6	
13 Vinyl chloride	62	1.758	1.758	0.000	98	226281	25.0	26.8	
144 Butadiene	54	1.776	1.776	0.000	95	233101	25.0	28.8	
14 Bromomethane	94	2.130	2.130	0.000	91	137870	25.0	24.6	
15 Chloroethane	64	2.233	2.233	0.000	96	107978	25.0	23.7	
17 Trichlorofluoromethane	101	2.453	2.453	0.000	97	259977	25.0	27.1	
16 Dichlorofluoromethane	67	2.459	2.459	0.000	97	281834	25.0	24.6	
18 Ethyl ether	59	2.739	2.739	0.000	96	189697	25.0	25.8	
20 Acrolein	56	2.935	2.934	0.001	99	52243	125.0	146.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.971	2.971	0.000	94	189518	25.0	25.3	
22 1,1-Dichloroethene	96	2.989	2.989	0.000	95	172055	25.0	26.9	
23 Acetone	43	3.087	3.087	0.000	98	350965	125.0	110.6	
25 Iodomethane	142	3.166	3.166	0.000	99	381624	25.0	28.5	
26 Carbon disulfide	76	3.184	3.184	0.000	100	608336	25.0	25.7	
28 3-Chloro-1-propene	41	3.325	3.325	0.000	90	442019	25.0	25.8	
27 Methyl acetate	43	3.367	3.367	0.000	100	429171	50.0	49.0	
30 Methylene Chloride	84	3.501	3.501	0.000	96	215515	25.0	24.5	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	98	192951	250.0	218.0	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	99	537548	25.0	26.3	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	94	194977	25.0	26.2	
33 Acrylonitrile	53	3.733	3.733	0.000	97	995241	250.0	253.7	
35 Hexane	57	3.843	3.843	0.000	96	335932	25.0	27.0	
39 1,1-Dichloroethane	63	4.056	4.056	0.000	96	397548	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	4.093	4.093	0.000	96	1256891	50.0	50.7	
44 2,2-Dichloropropane	77	4.513	4.513	0.000	94	211004	25.0	25.5	
45 cis-1,2-Dichloroethene	96	4.544	4.544	0.000	88	222763	25.0	26.2	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	97	666413	125.0	122.9	
48 Chlorobromomethane	128	4.751	4.751	0.000	94	132515	25.0	27.1	
49 Tetrahydrofuran	42	4.763	4.763	0.000	93	179557	50.0	47.3	
50 Chloroform	83	4.806	4.806	0.000	96	366117	25.0	24.5	
51 1,1,1-Trichloroethane	97	4.910	4.910	0.000	98	297809	25.0	26.8	
52 Cyclohexane	56	4.916	4.916	0.000	95	415041	25.0	27.8	
55 Carbon tetrachloride	117	5.026	5.026	0.000	98	276720	25.0	27.6	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	96	262504	25.0	26.8	
53 Isobutyl alcohol	43	5.190	5.190	0.000	94	253454	625.0	547.4	
57 Benzene	78	5.208	5.208	0.000	95	766399	25.0	25.8	
58 1,2-Dichloroethane	62	5.263	5.263	0.000	96	316649	25.0	25.5	
59 n-Heptane	43	5.330	5.330	0.000	97	431591	25.0	25.7	
62 Trichloroethene	95	5.708	5.708	0.000	96	215372	25.0	26.4	
64 Methylcyclohexane	83	5.806	5.806	0.000	98	319648	25.0	28.1	
65 1,2-Dichloropropane	63	5.910	5.909	0.001	95	242725	25.0	25.5	
66 1,4-Dioxane	88	6.013	6.013	0.000	97	21167	500.0	437.2	
67 Dibromomethane	93	6.025	6.025	0.000	96	147663	25.0	26.6	
68 Dichlorobromomethane	83	6.135	6.135	0.000	97	288797	25.0	26.8	
69 2-Chloroethyl vinyl ether	63	6.336	6.336	0.000	92	162332	25.0	26.4	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	91	336407	25.0	26.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.562	0.000	98	1525070	125.0	127.6	
74 Toluene	92	6.696	6.696	0.000	98	509998	25.0	25.6	
77 trans-1,3-Dichloropropene	75	6.903	6.903	0.000	97	316184	25.0	26.2	
75 Ethyl methacrylate	69	6.909	6.909	0.000	95	269729	25.0	26.7	
79 1,1,2-Trichloroethane	83	7.062	7.062	0.000	91	173340	25.0	26.2	
81 Tetrachloroethene	166	7.117	7.117	0.000	95	235566	25.0	27.3	
82 1,3-Dichloropropane	76	7.190	7.190	0.000	97	323731	25.0	26.1	
80 2-Hexanone	43	7.214	7.214	0.000	99	1070014	125.0	125.7	
83 Chlorodibromomethane	129	7.385	7.385	0.000	91	258278	25.0	27.1	
84 Ethylene Dibromide	107	7.476	7.476	0.000	98	232997	25.0	26.4	
87 Chlorobenzene	112	7.836	7.836	0.000	96	616679	25.0	25.7	
88 Ethylbenzene	91	7.885	7.885	0.000	98	963401	25.0	25.5	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.903	0.000	96	228244	25.0	26.5	
90 m-Xylene & p-Xylene	106	7.976	7.976	0.000	99	382381	25.0	25.0	
91 o-Xylene	106	8.312	8.311	0.001	97	379690	25.0	25.9	
92 Styrene	104	8.336	8.336	0.000	96	652086	25.0	26.3	
95 Bromoform	173	8.549	8.549	0.000	98	172035	25.0	26.5	
94 Isopropylbenzene	105	8.598	8.598	0.000	96	988856	25.0	25.3	
101 Bromobenzene	156	8.909	8.909	0.000	90	291883	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	8.915	8.915	0.000	96	296990	25.0	25.4	
99 N-Propylbenzene	91	8.939	8.939	0.000	99	1177576	25.0	25.3	
98 trans-1,4-Dichloro-2-butene	53	8.952	8.952	0.000	74	85524	25.0	22.3	
100 1,2,3-Trichloropropane	110	8.958	8.958	0.000	90	79115	25.0	25.4	
103 2-Chlorotoluene	126	9.043	9.049	-0.006	98	256649	25.0	25.7	
102 1,3,5-Trimethylbenzene	105	9.080	9.080	0.000	94	847243	25.0	25.1	
105 4-Chlorotoluene	126	9.135	9.134	0.001	97	269268	25.0	25.7	
106 tert-Butylbenzene	134	9.354	9.354	0.000	93	174685	25.0	25.5	
107 1,2,4-Trimethylbenzene	105	9.403	9.403	0.000	97	864913	25.0	25.1	
109 sec-Butylbenzene	105	9.537	9.537	0.000	94	1093009	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.653	9.653	0.000	97	959073	25.0	25.5	
111 1,3-Dichlorobenzene	146	9.683	9.683	0.000	98	530606	25.0	25.1	
113 1,4-Dichlorobenzene	146	9.756	9.756	0.000	95	543386	25.0	25.2	
115 n-Butylbenzene	91	10.000	10.000	0.000	98	855072	25.0	25.7	
116 1,2-Dichlorobenzene	146	10.086	10.085	0.001	98	531815	25.0	25.5	
117 1,2-Dibromo-3-Chloropropane	75	10.774	10.774	0.000	88	49583	25.0	25.2	
119 1,2,4-Trichlorobenzene	180	11.415	11.415	0.001	95	394281	25.0	26.6	
120 Hexachlorobutadiene	225	11.506	11.506	0.000	98	190527	25.0	27.7	
121 Naphthalene	128	11.628	11.628	0.000	97	1023789	25.0	26.3	
122 1,2,3-Trichlorobenzene	180	11.817	11.817	0.000	96	374455	25.0	26.4	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00430	Amount Added: 12.50	Units: uL	
8260 CORP mix_00199	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00025	Amount Added: 1.00	Units: uL	Run Reagent

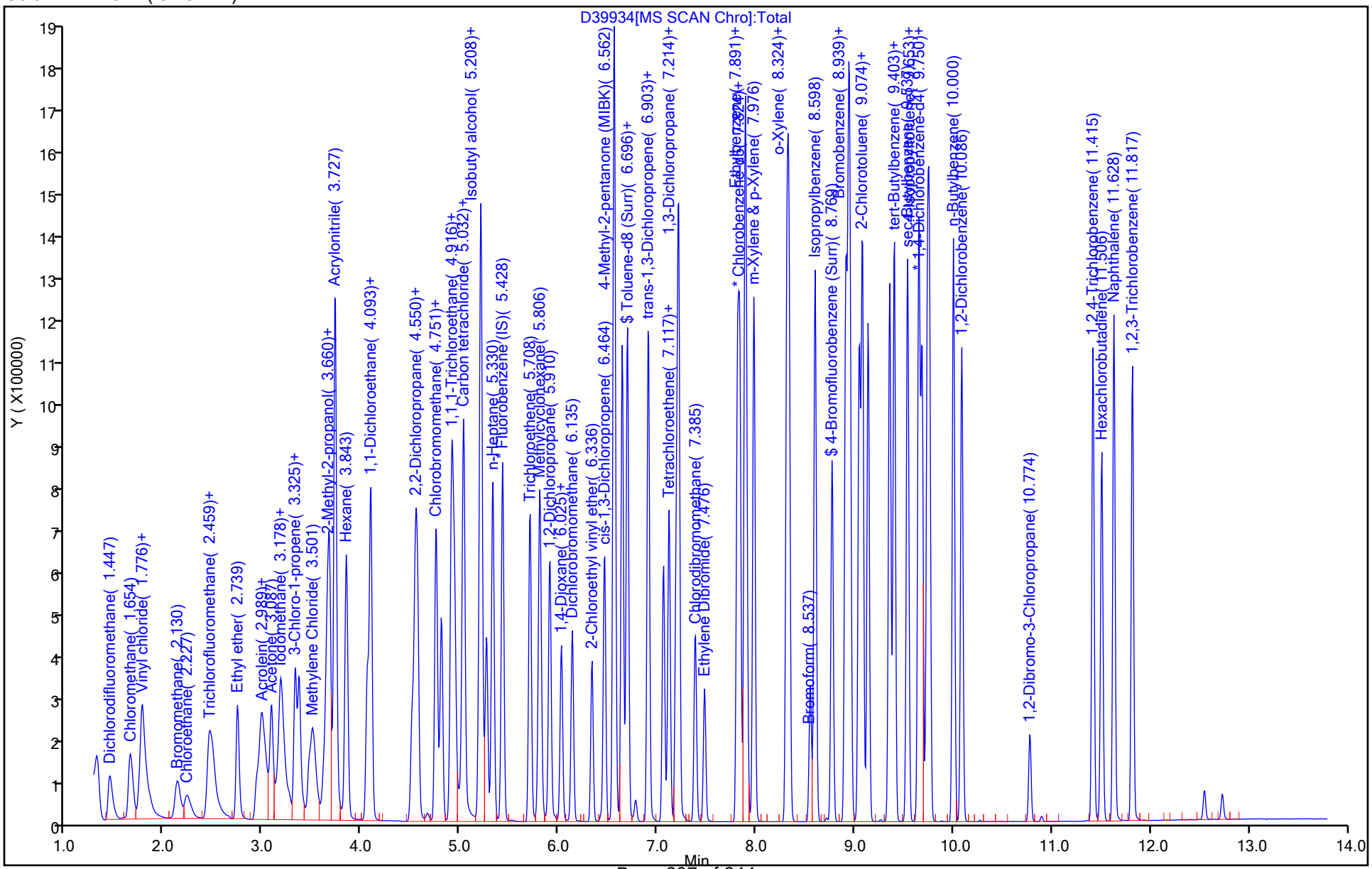
Report Date: 06-Dec-2020 11:32:05 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39934.D

Injection Date:	05-Dec-2020 22:25:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: RW-3 MS Lab Sample ID: 480-179017-3 MS

Matrix: Water Lab File ID: D39955.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:20

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 06:30

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	107		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	101		4.0	0.84
79-00-5	1,1,2-Trichloroethane	105		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	103		4.0	1.2
75-34-3	1,1-Dichloroethane	106		4.0	1.5
75-35-4	1,1-Dichloroethene	112		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	102		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	99.6		4.0	1.6
95-50-1	1,2-Dichlorobenzene	102		4.0	3.2
107-06-2	1,2-Dichloroethane	103		4.0	0.84
78-87-5	1,2-Dichloropropane	103		4.0	2.9
541-73-1	1,3-Dichlorobenzene	100		4.0	3.1
106-46-7	1,4-Dichlorobenzene	100		4.0	3.4
78-93-3	2-Butanone (MEK)	491		40	5.3
591-78-6	2-Hexanone	510		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	514		20	8.4
67-64-1	Acetone	424		40	12
71-43-2	Benzene	105		4.0	1.6
75-27-4	Bromodichloromethane	105		4.0	1.6
75-25-2	Bromoform	96.6		4.0	1.0
74-83-9	Bromomethane	105		4.0	2.8
75-15-0	Carbon disulfide	100		4.0	0.76
56-23-5	Carbon tetrachloride	102		4.0	1.1
108-90-7	Chlorobenzene	105		4.0	3.0
124-48-1	Dibromochloromethane	105		4.0	1.3
75-00-3	Chloroethane	103		4.0	1.3
67-66-3	Chloroform	101		4.0	1.4
74-87-3	Chloromethane	103		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	113		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	96.5		4.0	1.4
110-82-7	Cyclohexane	114		4.0	0.72
75-71-8	Dichlorodifluoromethane	111		4.0	2.7
100-41-4	Ethylbenzene	105		4.0	3.0
106-93-4	1,2-Dibromoethane	106		4.0	2.9
98-82-8	Isopropylbenzene	102		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: RW-3 MS Lab Sample ID: 480-179017-3 MS

Matrix: Water Lab File ID: D39955.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:20

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 06:30

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	190		10	5.2
1634-04-4	Methyl tert-butyl ether	105		4.0	0.64
108-87-2	Methylcyclohexane	110		4.0	0.64
75-09-2	Methylene Chloride	101		4.0	1.8
100-42-5	Styrene	105		4.0	2.9
127-18-4	Tetrachloroethene	286		4.0	1.4
108-88-3	Toluene	104		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	107		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	96.1		4.0	1.5
79-01-6	Trichloroethene	110		4.0	1.8
75-69-4	Trichlorofluoromethane	113		4.0	3.5
75-01-4	Vinyl chloride	113		4.0	3.6
1330-20-7	Xylenes, Total	209		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39955.D
Lims ID: 480-179017-A-3 MS
Client ID:
Sample Type: MS
Inject. Date: 06-Dec-2020 06:30:30 ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-179017-A-3 MS
Misc. Info.: 480-0095449-027
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2020 11:46:26 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: izquierdoo Date: 06-Dec-2020 11:46:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	98	140042	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	91	305880	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	94	341302	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.940	0.000	93	215736	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.209	5.209	0.000	95	119104	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	95	741787	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.769	0.000	94	258362	25.0	25.5	
10 Dichlorodifluoromethane	85	1.447	1.447	0.000	99	232793	25.0	27.7	
12 Chloromethane	50	1.654	1.654	0.000	99	335809	25.0	25.8	
13 Vinyl chloride	62	1.752	1.758	-0.006	97	232522	25.0	28.2	
14 Bromomethane	94	2.130	2.130	0.000	91	143829	25.0	26.3	
15 Chloroethane	64	2.234	2.233	0.001	95	114168	25.0	25.7	
17 Trichlorofluoromethane	101	2.453	2.453	0.000	97	263624	25.0	28.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.971	2.971	0.000	93	189056	25.0	25.8	
22 1,1-Dichloroethene	96	2.989	2.989	0.000	94	174506	25.0	27.9	
23 Acetone	43	3.087	3.087	0.000	98	328556	125.0	106.1	
26 Carbon disulfide	76	3.185	3.191	0.001	100	578754	25.0	25.1	
27 Methyl acetate	43	3.367	3.367	0.000	100	407022	50.0	47.6	
30 Methylene Chloride	84	3.508	3.501	0.007	95	217314	25.0	25.3	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	99	521886	25.0	26.2	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	94	193917	25.0	26.7	
39 1,1-Dichloroethane	63	4.056	4.056	0.000	97	395417	25.0	26.5	
45 cis-1,2-Dichloroethene	96	4.544	4.544	0.000	87	233640	25.0	28.2	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	97	649774	125.0	122.7	
50 Chloroform	83	4.806	4.806	0.000	96	368595	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.910	4.910	0.000	98	290410	25.0	26.8	
52 Cyclohexane	56	4.916	4.916	0.000	95	413693	25.0	28.4	
55 Carbon tetrachloride	117	5.026	5.026	0.000	97	250332	25.0	25.6	
57 Benzene	78	5.215	5.208	0.007	96	761894	25.0	26.3	
58 1,2-Dichloroethane	62	5.263	5.263	0.000	96	311002	25.0	25.7	
62 Trichloroethene	95	5.708	5.708	0.000	96	218512	25.0	27.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.806	5.806	0.000	98	304651	25.0	27.5	
65 1,2-Dichloropropane	63	5.910	5.909	0.001	94	238480	25.0	25.7	
68 Dichlorobromomethane	83	6.135	6.135	0.000	97	276044	25.0	26.3	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	91	303008	25.0	24.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.562	0.000	98	1502037	125.0	128.4	
74 Toluene	92	6.696	6.696	0.000	98	506283	25.0	26.0	
77 trans-1,3-Dichloropropene	75	6.903	6.903	0.000	97	283991	25.0	24.0	
79 1,1,2-Trichloroethane	83	7.062	7.062	0.000	91	169590	25.0	26.2	
81 Tetrachloroethene	166	7.117	7.116	0.000	95	604173	25.0	71.5	
80 2-Hexanone	43	7.214	7.214	0.000	99	1062613	125.0	127.5	
83 Chlorodibromomethane	129	7.385	7.385	0.000	90	246097	25.0	26.3	
84 Ethylene Dibromide	107	7.476	7.476	0.000	98	228935	25.0	26.5	
87 Chlorobenzene	112	7.836	7.836	0.000	98	616571	25.0	26.2	
88 Ethylbenzene	91	7.885	7.885	0.000	98	968786	25.0	26.2	
90 m-Xylene & p-Xylene	106	7.976	7.976	0.000	98	387701		25.9	
91 o-Xylene	106	8.312	8.311	0.001	97	376266		26.2	
92 Styrene	104	8.336	8.336	0.000	96	636882	25.0	26.2	
95 Bromoform	173	8.549	8.549	0.000	97	153449	25.0	24.2	
94 Isopropylbenzene	105	8.598	8.598	0.000	96	966032	25.0	25.5	
97 1,1,2,2-Tetrachloroethane	83	8.915	8.915	0.000	93	287805	25.0	25.4	
111 1,3-Dichlorobenzene	146	9.683	9.683	0.000	98	512561	25.0	25.1	
113 1,4-Dichlorobenzene	146	9.756	9.756	0.000	96	522904	25.0	25.1	
116 1,2-Dichlorobenzene	146	10.086	10.085	0.001	98	515563	25.0	25.5	
117 1,2-Dibromo-3-Chloropropane	75	10.775	10.774	0.001	87	47547	25.0	24.9	
119 1,2,4-Trichlorobenzene	180	11.415	11.414	0.001	95	367603	25.0	25.5	
S 124 Xylenes, Total	1				0			52.1	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00199	Amount Added: 12.50	Units: uL	
GAS CORP mix_00430	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00025	Amount Added: 1.00	Units: uL	Run Reagent

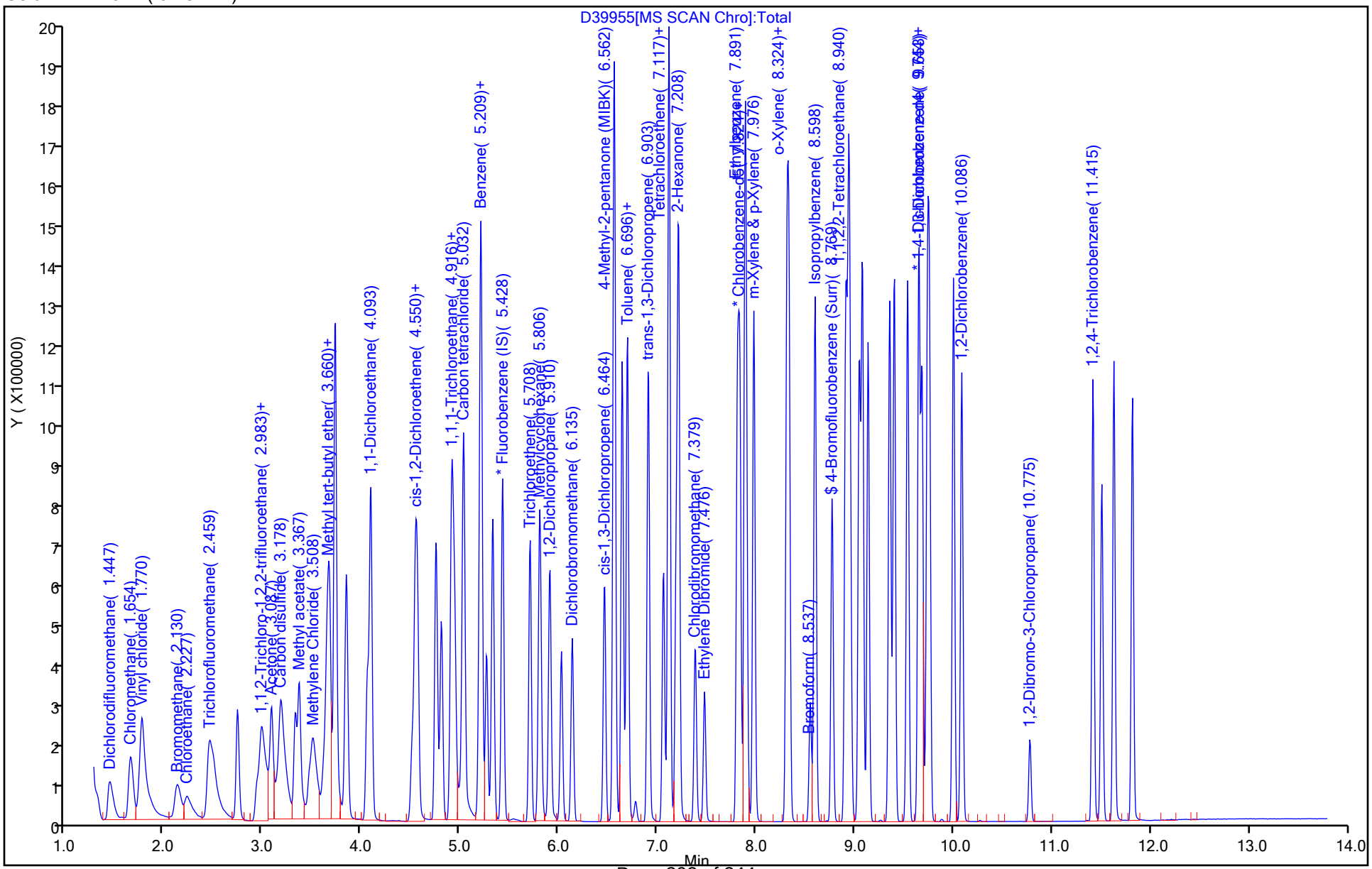
Report Date: 06-Dec-2020 11:46:43 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39955.D

Injection Date:	06-Dec-2020 06:30:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-179017-A-3 MS			Worklist Smp#:	27
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	27
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: RW-3 MSD Lab Sample ID: 480-179017-3 MSD

Matrix: Water Lab File ID: D39956.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:20

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 06:53

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	104		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	102		4.0	0.84
79-00-5	1,1,2-Trichloroethane	105		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	97.7		4.0	1.2
75-34-3	1,1-Dichloroethane	101		4.0	1.5
75-35-4	1,1-Dichloroethene	106		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	104		4.0	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	104		4.0	1.6
95-50-1	1,2-Dichlorobenzene	101		4.0	3.2
107-06-2	1,2-Dichloroethane	98.3		4.0	0.84
78-87-5	1,2-Dichloropropane	99.1		4.0	2.9
541-73-1	1,3-Dichlorobenzene	99.3		4.0	3.1
106-46-7	1,4-Dichlorobenzene	99.8		4.0	3.4
78-93-3	2-Butanone (MEK)	500		40	5.3
591-78-6	2-Hexanone	523		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	522		20	8.4
67-64-1	Acetone	450		40	12
71-43-2	Benzene	101		4.0	1.6
75-27-4	Bromodichloromethane	102		4.0	1.6
75-25-2	Bromoform	98.5		4.0	1.0
74-83-9	Bromomethane	100		4.0	2.8
75-15-0	Carbon disulfide	95.2		4.0	0.76
56-23-5	Carbon tetrachloride	99.9		4.0	1.1
108-90-7	Chlorobenzene	103		4.0	3.0
124-48-1	Dibromochloromethane	105		4.0	1.3
75-00-3	Chloroethane	95.3		4.0	1.3
67-66-3	Chloroform	96.2		4.0	1.4
74-87-3	Chloromethane	98.6		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	107		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	95.5		4.0	1.4
110-82-7	Cyclohexane	108		4.0	0.72
75-71-8	Dichlorodifluoromethane	102		4.0	2.7
100-41-4	Ethylbenzene	103		4.0	3.0
106-93-4	1,2-Dibromoethane	105		4.0	2.9
98-82-8	Isopropylbenzene	99.8		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Client Sample ID: RW-3 MSD Lab Sample ID: 480-179017-3 MSD

Matrix: Water Lab File ID: D39956.D

Analysis Method: 8260C Date Collected: 12/04/2020 13:20

Sample wt/vol: 5(mL) Date Analyzed: 12/06/2020 06:53

Soil Aliquot Vol: Dilution Factor: 4

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 562098 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	189		10	5.2
1634-04-4	Methyl tert-butyl ether	102		4.0	0.64
108-87-2	Methylcyclohexane	106		4.0	0.64
75-09-2	Methylene Chloride	96.1		4.0	1.8
100-42-5	Styrene	104		4.0	2.9
127-18-4	Tetrachloroethene	278		4.0	1.4
108-88-3	Toluene	103		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	103		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	96.9		4.0	1.5
79-01-6	Trichloroethene	104		4.0	1.8
75-69-4	Trichlorofluoromethane	103		4.0	3.5
75-01-4	Vinyl chloride	106		4.0	3.6
1330-20-7	Xylenes, Total	203		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39956.D
Lims ID: 480-179017-A-3 MSD
Client ID:
Sample Type: MSD
Inject. Date: 06-Dec-2020 06:53:30 ALS Bottle#: 28 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-179017-A-3 MSD
Misc. Info.: 480-0095449-028
Operator ID: OI Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2020 11:46:26 Calib Date: 01-Dec-2020 22:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20201201-95354.b\D39242.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: izquierdoo Date: 06-Dec-2020 11:46:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.428	0.000	98	142600	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	87	305718	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.738	0.000	94	344329	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.940	4.940	0.000	93	216462	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.209	5.209	0.000	93	119073	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	6.641	6.641	0.000	95	747987	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.769	8.769	0.000	94	259201	25.0	25.6	
10 Dichlorodifluoromethane	85	1.447	1.447	0.000	99	219042	25.0	25.6	
12 Chloromethane	50	1.654	1.654	0.000	99	326382	25.0	24.6	
13 Vinyl chloride	62	1.758	1.758	0.000	98	221707	25.0	26.4	
14 Bromomethane	94	2.136	2.130	0.006	91	139801	25.0	25.1	
15 Chloroethane	64	2.233	2.233	0.000	96	107728	25.0	23.8	
17 Trichlorofluoromethane	101	2.453	2.453	0.000	98	245509	25.0	25.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.971	2.971	0.000	94	181884	25.0	24.4	
22 1,1-Dichloroethene	96	2.989	2.989	0.000	95	168362	25.0	26.4	
23 Acetone	43	3.087	3.087	0.000	98	355015	125.0	112.6	
26 Carbon disulfide	76	3.185	3.191	0.001	100	559491	25.0	23.8	
27 Methyl acetate	43	3.367	3.367	0.000	100	412207	50.0	47.3	
30 Methylene Chloride	84	3.502	3.501	0.001	94	210409	25.0	24.0	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	98	517732	25.0	25.5	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	94	189872	25.0	25.7	
39 1,1-Dichloroethane	63	4.056	4.056	0.000	97	385131	25.0	25.3	
45 cis-1,2-Dichloroethene	96	4.544	4.544	0.000	85	226011	25.0	26.8	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	97	674231	125.0	125.1	
50 Chloroform	83	4.806	4.806	0.000	95	358009	25.0	24.1	
51 1,1,1-Trichloroethane	97	4.910	4.910	0.000	99	288402	25.0	26.1	
52 Cyclohexane	56	4.916	4.916	0.000	95	401398	25.0	27.0	
55 Carbon tetrachloride	117	5.026	5.026	0.000	97	248513	25.0	25.0	
57 Benzene	78	5.209	5.208	0.001	95	742565	25.0	25.2	
58 1,2-Dichloroethane	62	5.263	5.263	0.000	95	303181	25.0	24.6	
62 Trichloroethene	95	5.708	5.708	0.000	96	210556	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.806	5.806	0.000	98	299765	25.0	26.5	
65 1,2-Dichloropropane	63	5.910	5.909	0.001	94	234292	25.0	24.8	
68 Dichlorobromomethane	83	6.135	6.135	0.000	97	274328	25.0	25.6	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	92	305116	25.0	23.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.562	0.000	98	1526242	125.0	130.6	
74 Toluene	92	6.696	6.696	0.000	98	499758	25.0	25.7	
77 trans-1,3-Dichloropropene	75	6.903	6.903	0.000	97	286233	25.0	24.2	
79 1,1,2-Trichloroethane	83	7.062	7.062	0.000	91	170665	25.0	26.3	
81 Tetrachloroethene	166	7.117	7.116	0.000	95	586185	25.0	69.4	
80 2-Hexanone	43	7.214	7.214	0.000	99	1089023	125.0	130.8	
83 Chlorodibromomethane	129	7.385	7.385	0.000	91	244362	25.0	26.2	
84 Ethylene Dibromide	107	7.476	7.476	0.000	99	226885	25.0	26.3	
87 Chlorobenzene	112	7.836	7.836	0.000	98	603646	25.0	25.7	
88 Ethylbenzene	91	7.885	7.885	0.000	98	951707	25.0	25.7	
90 m-Xylene & p-Xylene	106	7.976	7.976	0.000	99	378238		25.3	
91 o-Xylene	106	8.312	8.311	0.001	97	367415		25.6	
92 Styrene	104	8.336	8.336	0.000	96	629511	25.0	26.0	
95 Bromoform	173	8.549	8.549	0.000	98	156236	25.0	24.6	
94 Isopropylbenzene	105	8.598	8.598	0.000	96	952567	25.0	25.0	
97 1,1,2,2-Tetrachloroethane	83	8.915	8.915	0.000	95	291540	25.0	25.5	
111 1,3-Dichlorobenzene	146	9.683	9.683	0.000	98	512556	25.0	24.8	
113 1,4-Dichlorobenzene	146	9.756	9.756	0.000	96	524776	25.0	24.9	
116 1,2-Dichlorobenzene	146	10.086	10.085	0.001	98	516133	25.0	25.3	
117 1,2-Dibromo-3-Chloropropane	75	10.775	10.774	0.000	87	50158	25.0	26.0	
119 1,2,4-Trichlorobenzene	180	11.415	11.414	0.001	95	377443	25.0	26.0	
S 124 Xylenes, Total	1				0			50.9	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00199	Amount Added:	12.50	Units: uL	
GAS CORP mix_00430	Amount Added:	12.50	Units: uL	
D 8260 IS/SUR_00025	Amount Added:	1.00	Units: uL	Run Reagent

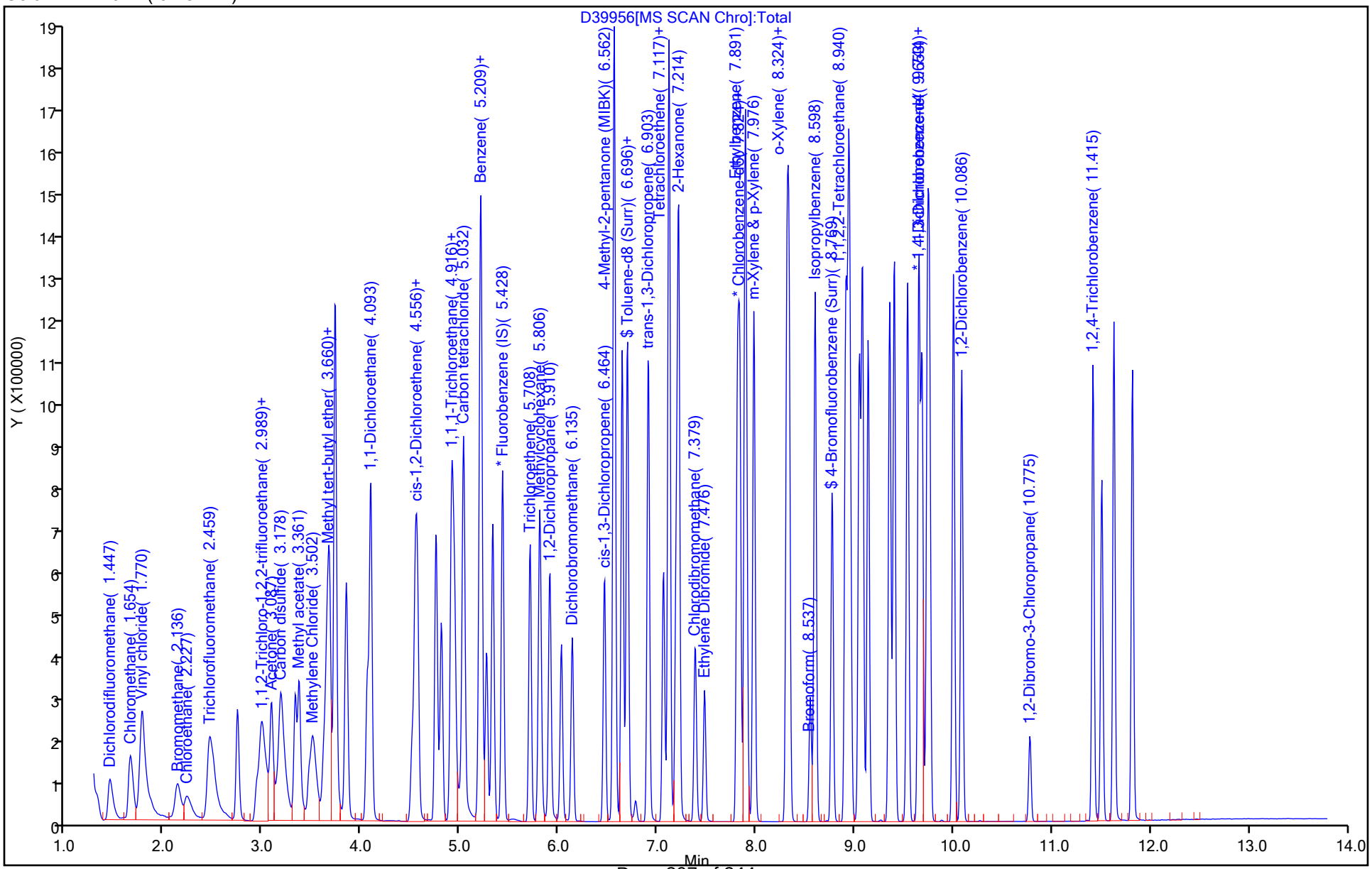
Report Date: 06-Dec-2020 11:46:58 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20201205-95449.b\D39956.D

Injection Date:	06-Dec-2020 06:53:30	Instrument ID:	HP5975D	Operator ID:	OI
Lims ID:	480-179017-A-3 MSD			Worklist Smp#:	28
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	28
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Instrument ID: HP5975D Start Date: 12/01/2020 14:52

Analysis Batch Number: 561477 End Date: 12/01/2020 22:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-561477/1		12/01/2020 14:52	1	D39222.D	ZB-624 (20) 0.18(mm)
IC 480-561477/3		12/01/2020 15:38	1	D39224.D	ZB-624 (20) 0.18(mm)
IC 480-561477/4		12/01/2020 16:01	1	D39225.D	ZB-624 (20) 0.18(mm)
IC 480-561477/5		12/01/2020 16:24	1	D39226.D	ZB-624 (20) 0.18(mm)
IC 480-561477/6		12/01/2020 16:48	1	D39227.D	ZB-624 (20) 0.18(mm)
IC 480-561477/7		12/01/2020 17:11	1	D39228.D	ZB-624 (20) 0.18(mm)
ICIS 480-561477/8		12/01/2020 17:35	1	D39229.D	ZB-624 (20) 0.18(mm)
IC 480-561477/9		12/01/2020 17:58	1	D39230.D	ZB-624 (20) 0.18(mm)
IC 480-561477/10		12/01/2020 18:22	1	D39231.D	ZB-624 (20) 0.18(mm)
IC 480-561477/15		12/01/2020 20:18	1		ZB-624 (20) 0.18(mm)
IC 480-561477/16		12/01/2020 20:41	1		ZB-624 (20) 0.18(mm)
IC 480-561477/17		12/01/2020 21:04	1		ZB-624 (20) 0.18(mm)
IC 480-561477/18		12/01/2020 21:27	1		ZB-624 (20) 0.18(mm)
IC 480-561477/19		12/01/2020 21:50	1		ZB-624 (20) 0.18(mm)
IC 480-561477/20		12/01/2020 22:14	1		ZB-624 (20) 0.18(mm)
IC 480-561477/21		12/01/2020 22:37	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Instrument ID: HP5975D Start Date: 12/03/2020 09:15

Analysis Batch Number: 561755 End Date: 12/03/2020 21:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-561755/2		12/03/2020 09:15	1	D39260.D	ZB-624 (20) 0.18(mm)
ICV 480-561755/3		12/03/2020 09:37	1	D39261.D	ZB-624 (20) 0.18(mm)
ICV 480-561755/5		12/03/2020 11:59	1		ZB-624 (20) 0.18(mm)
CCVIS 480-561755/6		12/03/2020 12:48	1		ZB-624 (20) 0.18(mm)
CCV 480-561755/7		12/03/2020 13:11	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 13:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 14:21	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 14:55	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 15:18	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 15:42	10		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 16:05	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 16:29	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 16:52	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 17:15	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 17:39	2		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 18:02	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 18:25	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 18:48	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 19:11	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 19:34	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 19:57	2		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 20:20	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 20:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 21:07	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 21:30	10		ZB-624 (20) 0.18(mm)
ZZZZZ		12/03/2020 21:53	10		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Instrument ID: HP5975D Start Date: 12/05/2020 21:16

Analysis Batch Number: 562098 End Date: 12/06/2020 06:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-562098/3		12/05/2020 21:16	1	D39931.D	ZB-624 (20) 0.18(mm)
CCVIS 480-562098/4		12/05/2020 21:39	1	D39932.D	ZB-624 (20) 0.18(mm)
CCV 480-562098/5		12/05/2020 22:02	1		ZB-624 (20) 0.18(mm)
LCS 480-562098/6		12/05/2020 22:25	1	D39934.D	ZB-624 (20) 0.18(mm)
MB 480-562098/8		12/05/2020 23:11	1	D39936.D	ZB-624 (20) 0.18(mm)
ZZZZZ		12/05/2020 23:34	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/05/2020 23:57	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/06/2020 00:20	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/06/2020 00:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/06/2020 01:06	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/06/2020 01:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/06/2020 01:53	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/06/2020 02:16	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/06/2020 02:39	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/06/2020 03:02	1		ZB-624 (20) 0.18(mm)
ZZZZZ		12/06/2020 03:25	1		ZB-624 (20) 0.18(mm)
480-179017-1	RW-1	12/06/2020 03:48	1	D39948.D	ZB-624 (20) 0.18(mm)
480-179017-2	RW-2	12/06/2020 04:11	1	D39949.D	ZB-624 (20) 0.18(mm)
480-179017-3	RW-3	12/06/2020 04:34	4	D39950.D	ZB-624 (20) 0.18(mm)
480-179017-4	DUP	12/06/2020 04:57	1	D39951.D	ZB-624 (20) 0.18(mm)
480-179017-5	EFFLUENT	12/06/2020 05:20	1	D39952.D	ZB-624 (20) 0.18(mm)
480-179017-6	TRIP BLANK	12/06/2020 05:43	1	D39953.D	ZB-624 (20) 0.18(mm)
ZZZZZ		12/06/2020 06:07	1		ZB-624 (20) 0.18(mm)
480-179017-3 MS	RW-3 MS	12/06/2020 06:30	4	D39955.D	ZB-624 (20) 0.18(mm)
480-179017-3 MSD	RW-3 MSD	12/06/2020 06:53	4	D39956.D	ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Batch Number: 561477 Batch Start Date: 12/01/20 14:52 Batch Analyst: Dahn, William J

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00195	BFB_WRK 00114	D 8260 IS/SUR 00025	GAS CORP mix 00430
BFB 480-561477/1		8260C		1 uL	1 uL		1 uL		
IC 480-561477/3		8260C		5 mL	5 mL	0.4 uL		1 uL	0.4 uL
IC 480-561477/4		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-561477/5		8260C		5 mL	5 mL	2 uL		1 uL	2 uL
IC 480-561477/6		8260C		5 mL	5 mL	5 uL		1 uL	5 uL
IC 480-561477/7		8260C		5 mL	5 mL	5 uL		1 uL	5 uL
ICIS 480-561477/8		8260C		5 mL	5 mL	12.5 uL		1 uL	12.5 uL
IC 480-561477/9		8260C		5 mL	5 mL	25 uL		1 uL	25 uL
IC 480-561477/10		8260C		5 mL	5 mL	50 uL		1 uL	50 uL

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Batch Number: 561755 Batch Start Date: 12/03/20 09:15 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	BFB_WRK 00114	D 8260 IS/SUR 00025	SS 8260 CORP 00088	SS GAS CORP 00380
BFB 480-561755/2		8260C		1 uL	1 uL	1 uL			
ICV 480-561755/3		8260C		5 mL	5 mL		1 uL	12.5 uL	12.5 uL

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Batch Number: 562098 Batch Start Date: 12/05/20 21:16 Batch Analyst: Dahn, William J

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00199	BFB_WRK 00114	D 8260 IS/SUR 00025
BFB 480-562098/3		8260C		1 uL	1 uL			1 uL	
CCVIS 480-562098/4		8260C		5 mL	5 mL		12.5 uL		1 uL
LCS 480-562098/6		8260C		5 mL	5 mL		12.5 uL		1 uL
MB 480-562098/8		8260C		5 mL	5 mL				1 uL
480-179017-A-1	RW-1	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-179017-A-2	RW-2	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-179017-A-3	RW-3	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-179017-A-4	DUP	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-179017-A-5	EFFLUENT	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-179017-A-6	TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-179017-A-3 MS	RW-3	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		1 uL
480-179017-A-3 MSD	RW-3	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00430	AnalysisComment				
BFB 480-562098/3		8260C							
CCVIS 480-562098/4		8260C		12.5 uL					
LCS 480-562098/6		8260C		12.5 uL					
MB 480-562098/8		8260C							
480-179017-A-1	RW-1	8260C	T						
480-179017-A-2	RW-2	8260C	T						
480-179017-A-3	RW-3	8260C	T		TARGETS				
480-179017-A-4	DUP	8260C	T						
480-179017-A-5	EFFLUENT	8260C	T						
480-179017-A-6	TRIP BLANK	8260C	T						
480-179017-A-3 MS	RW-3	8260C	T	12.5 uL	BATCH QC				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Batch Number: 562098 Batch Start Date: 12/05/20 21:16 Batch Analyst: Dahn, William J

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00430	AnalysisComment				
480-179017-A-3 MSD	RW-3	8260C	T	12.5 uL	BATCH QC				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-179017-1

SDG No.:

Project: Roxy Cleaners #442024

Client Sample ID	Lab Sample ID
RW-1	480-179017-1
RW-2	480-179017-2

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-1 Lab Sample ID: 480-179017-1

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG ID.:

Matrix: Water Date Sampled: 12/04/2020 13:10

Reporting Basis: WET Date Received: 12/05/2020 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	6.6	1.0	0.43	mg/L			1	SM 5310C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RW-2 | Lab Sample ID: 480-179017-2

Lab Name: Eurofins TestAmerica, Buffalo | Job No.: 480-179017-1

SDG ID.:

Matrix: Water | Date Sampled: 12/04/2020 13:15

Reporting Basis: WET | Date Received: 12/05/2020 08:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	1.0	1.0	0.43	mg/L			1	SM 5310C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Analyst: CLA Batch Start Date: 12/12/2020

Reporting Units: mg/L Analytical Batch No.: 563276

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
11	ICV	16:38	Total Organic Carbon	58.82	60.0	98	90-110		TOC_CCV_00133
12	ICB	16:53	Total Organic Carbon	ND					
58	CCV	04:41	Total Organic Carbon	59.70	60.0	100	90-110		TOC_CCV_00133
59	CCB	04:56	Total Organic Carbon	ND					
70	CCV	07:43	Total Organic Carbon	59.95	60.0	100	90-110		TOC_CCV_00133
71	CCB	07:58	Total Organic Carbon	ND					
82	CCV	10:45	Total Organic Carbon	60.82	60.0	101	90-110		TOC_CCV_00133
83	CCB	11:00	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 563276 Date: 12/13/2020 05:11							
SM 5310C	MB 480-563276/60	Total Organic Carbon	ND		mg/L	1.0	1

FORM III-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 563276	Date: 12/13/2020 05:27										
						LCS Source: TOC_LCS_00131					
SM 5310C	LCS 480-563276/61	Total Organic Carbon	59.82		mg/L	60.0	100	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-179017-1

SDG Number:

Matrix: Water Instrument ID: TOC10301

Method: SM 5310C MDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Organic Carbon		1	0.434

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-179017-1

SDG Number:

Matrix: Water Instrument ID: TOC10301

Method: SM 5310C XMDL Date: 04/13/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon		1	0.434

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Instrument ID: TOC10301 Method: SM 5310C

Start Date: 11/24/2020 18:21 End Date: 12/13/2020 11:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			18:21																				
CCV 480-563276/2			19:17																				
CCVL 480-563276/3			19:45																				
RINSE 480-563276/4			21:29																				
CCV 480-563276/5			22:00																				
CCVL 480-563276/6			22:15																				
RINSE 480-563276/7			15:15																				
CCV 480-563276/8			15:45																				
CCVL 480-563276/9			16:00																				
RINSE 480-563276/10			16:22																				
ICV 480-563276/11	1		16:38	X																			
ICB 480-563276/12	1		16:53	X																			
ZZZZZZ			17:08																				
ZZZZZZ			17:23																				
ZZZZZZ			17:40																				
ZZZZZZ			18:10																				
ZZZZZZ			18:25																				
ZZZZZZ			18:40																				
ZZZZZZ			18:54																				
RINSE 480-563276/20			19:09																				
ZZZZZZ			19:24																				
CCV 480-563276/22			19:39																				
CCB 480-563276/23			19:55																				
ZZZZZZ			20:09																				
ZZZZZZ			20:24																				
ZZZZZZ			20:39																				
ZZZZZZ			20:54																				
ZZZZZZ			21:08																				
ZZZZZZ			21:23																				
ZZZZZZ			21:38																				
ZZZZZZ			21:53																				
ZZZZZZ			22:10																				
ZZZZZZ			22:24																				
CCV 480-563276/34			22:39																				
CCB 480-563276/35			22:54																				
ZZZZZZ			23:09																				
ZZZZZZ			23:24																				
ZZZZZZ			23:39																				
ZZZZZZ			23:56																				
ZZZZZZ			00:12																				
ZZZZZZ			00:27																				
ZZZZZZ			00:41																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Instrument ID: TOC10301 Method: SM 5310C

Start Date: 11/24/2020 18:21 End Date: 12/13/2020 11:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOC																			
ZZZZZZ			00:58																				
ZZZZZZ			01:11																				
ZZZZZZ			01:26																				
CCV 480-563276/46			01:42																				
CCB 480-563276/47			01:57																				
ZZZZZZ			02:12																				
ZZZZZZ			02:27																				
ZZZZZZ			02:42																				
ZZZZZZ			02:57																				
ZZZZZZ			03:11																				
ZZZZZZ			03:26																				
ZZZZZZ			03:42																				
ZZZZZZ			03:57																				
ZZZZZZ			04:11																				
ZZZZZZ			04:26																				
CCV 480-563276/58	1		04:41	X																			
CCB 480-563276/59	1		04:56	X																			
MB 480-563276/60	1	T	05:11	X																			
LCS 480-563276/61	1	T	05:27	X																			
ZZZZZZ			05:42																				
ZZZZZZ			05:57																				
ZZZZZZ			06:12																				
ZZZZZZ			06:27																				
ZZZZZZ			06:42																				
ZZZZZZ			06:58																				
ZZZZZZ			07:14																				
480-179017-1	1	T	07:28	X																			
CCV 480-563276/70	1		07:43	X																			
CCB 480-563276/71	1		07:58	X																			
480-179017-2	1	T	08:14	X																			
ZZZZZZ			08:29																				
ZZZZZZ			08:44																				
ZZZZZZ			08:59																				
ZZZZZZ			09:14																				
ZZZZZZ			09:29																				
ZZZZZZ			09:45																				
ZZZZZZ			10:00																				
ZZZZZZ			10:15																				
ZZZZZZ			10:30																				
CCV 480-563276/82	1		10:45	X																			
CCB 480-563276/83	1		11:00	X																			
ZZZZZZ			11:15																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Instrument ID: TOC10301 Method: SM 5310C

Start Date: 11/24/2020 18:21 End Date: 12/13/2020 11:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOC																			
CCVL 480-563276/85			11:30																				

Prep Types

T = Total/NA

BATCH # 563276 **TOC Wheel Worksheet**

Instrument # 1

SRF #

Method TOC

File Name 20201211A

	Sample ID	Dil	pH	Comment
1	Rinse			
2	CCV			
3	CCB			
4	MB			
5	LCS			
6	120-100835-A-1	50		800µL → 40mL
7	0835-B-1 TLC	50		L
8	0835-A-1	2		20mL → 40mL
9	0835-B-1 MS	2		
10	0835-C-1 MSD	2		
11	cleaning			
12	rinse			
13	240-141503-H-5			
14	CCV			
15	CCB			
16	240-141503-H-8	2		
17	240-141662-H-5			20mL → 40mL
18	1662-K-7			
19	1662-E-9			
20	240-141673-H-7			
21	1673-H-8	5		
22	1673-H-9	10		8mL → 40mL
23	1673-H-10			4 → 40mL
24	178518-A5-2	5	adj	
25	178584-H-2			8mL → 40mL
26	CCV			
27	CCB			
28	MB			
29	LCS			
30	178908-O-1	20		
31	8908-O-2	20	adj	2mL → 40mL
32	8908-O-2MS	20	adj	
33	8908-O-2MSD	20	adj	
34	8908-O-3			
35	8908-O-4	100	adj	
36	8908-O-5			400µL → 40mL
37	178607-L-2			
38	CCV			
39	CCB			
40	178627-O-1			
41	178858-4-3			
42	178722-J-7			
43	178928-AI-1			
44	178983-AL-1			
45	8983-AL-2			

563276

5316

○	46	178996-K-1			
○	47	8996-K-2			
○	48	8996-K-3			
○	49	8996-K-4			
	50	CCV			
	51	CCB			
	52	MB			
	53	LCS			
	54	178996-K-5			
	55	8996-L-5 MS	2		20mL → 40mL L
	56	8996-L-5 MSD	2		
○	57	8996-K-6			
○	58	8996-K-7			COD
	59	179009-B-1	4		10mL → 40mL
	60	9009-B-2			
○	61	179017-D-1			
	62	CCV			
	63	CCB			
○	64	179017-D-2			
	65	179030-B-1			
	66	179039-L-5			
○	67	179041-AL-1			
	68	MB-Filtr			
	69	LCS-Filtr			
	70	179047-H-2			
	71	9047-H-3			
	72	9047-I-3 MS	2		20mL → 40mL L
	73	9047-I-3 MSD	2		
	74	CCV			
	75	CCB			
	76	~~MB~~ CCVL	CM	2020 DEC 11	
	77	LCS			
	78				
	79				
	80				
	81				
	82				
	83				
	84				
	85				
	86	CCV			
	87	CCB			

POC { 61 62 63 64

POC 67

PI 75

END 76

Date 11 DEC 20

Analyst CM

TIC 5952235

MS 6154731

CCV 6278148

LCS 6278149

All pH <2 CM

pipette (1000 uL) M35907C

acid 6235176

sodium persulfate 6270872

phosphoric acid 6249968

User ID:toc Name:Total Organic Carbon
Title:Mr Dept:OIC-TOC

Calibration - Quick View -TOC

Revision: 1-20201210cal - Dec 10, 2020; 02-07-41 PM
Modified By: toc
Date Created: 2020/12/10; 02:12 PM
Last Modified: 2020/12/10; 06:25 PM
Last Calibrated: 2020/12/10; 06:15 PM

RF(ugC/k-cnt): 0.3843
R2: 0.9980
Reagent Blank(cts): 1,602
Offset Area(cts): 2,021
Offset Mass(ugC): -0.78

Std #	Conc (PPM)	Volume (mL)	# Reps	Area	Std. Dev	%RSD	Date Analysed
RW	0.000	2.000	2	1,992	305	15.33	2020-12-10; 04:34PM
1	1.000	2.000	2	7,666	109	1.42	2020-12-10; 04:49PM
2	2.000	2.000	2	12,411	367	2.96	2020-12-10; 05:06PM
3	5.000	2.000	2	30,140	221	0.73	2020-12-10; 05:21PM
4	10.000	2.000	2	57,720	105	0.18	2020-12-10; 05:37PM
5	50.000	2.000	2	269,577	6,525	2.42	2020-12-10; 05:53PM
6	100.000	2.000	2	510,256	20,643	4.05	2020-12-10; 06:08PM

ICV > in batch 563276
ICB
stds 6154731
$Na(SO_4)_2$ 6217349
H_3PO_4 6249468

OI Corporation TOC Reporter 12-15-2020 03:05 PM

Instrument ID: A547730578 Wet-Chemistry

User ID:toc	Name: Total Organic Carbon
Title:Mr	Dept: OIC-TOC

5 63276

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
2	Rinse	12/12/2020 4:22:52PM	1	1954	0.000	0.000
		12/12/2020 4:29:05PM	2	1681	0.000	0.000
			Avg	1817	0.000	0.000
			Std. Dev	193		
			%RSD	10.64		
3	ICV	12/12/2020 4:38:52PM	1	314692	120.154	60.077
		12/12/2020 4:44:36PM	2	301636	115.136	57.568
			Avg	308164	117.650	58.823
			Std. Dev	9233		
			%RSD	3.00		
4	ICB	12/12/2020 4:53:31PM	1	2440	0.161	0.081
		12/12/2020 4:59:55PM	2	3122	0.423	0.212
			Avg	2781	0.290	0.147
			Std. Dev	482		
			%RSD	17.34		
5	MB	12/12/2020 5:08:15PM	1	1831	0.000	0.000
		12/12/2020 5:14:08PM	2	1704	0.000	0.000
			Avg	1767	0.000	0.000
			Std. Dev	89		
			%RSD	5.06		
6	LCS	12/12/2020 5:23:39PM	1	312996	119.502	59.751
		12/12/2020 5:30:19PM	2	303934	116.019	58.010
			Avg	308465	117.760	58.881
			Std. Dev	6408		
			%RSD	2.08		
7	720-100835-A-1^50	12/12/2020 5:40:37PM	1	55990	20.739	10.370
		12/12/2020 5:46:50PM	2	56155	20.803	10.401
			Avg	56072	20.770	10.385
			Std. Dev	117		
			%RSD	0.21		
8	720-100835-B-1 TIC^50 non-homogenous	12/12/2020 5:55:25PM	1	36786	13.360	6.680
		12/12/2020 6:02:25PM	2	37142	13.496	6.748
			Avg	36964	13.430	6.714
			Std. Dev	252		
			%RSD	0.68		
9	720-100835-A-2^2	12/12/2020 6:10:24PM	1	164443	62.416	31.207
		12/12/2020 6:16:36PM	2	158806	60.250	30.125
			Avg	161625	61.330	30.666
			Std. Dev	3986		
			%RSD	2.47		
10	720-100835-B-2 MS^2	12/12/2020 6:25:26PM	1	316185	120.727	60.364
		12/12/2020 6:31:57PM	2	307120	117.244	58.622

TIC pass

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	311653	118.990	59.493
			Std. Dev	6410		
			%RSD	2.06		
11	720-100835-C-2 MSD^2	12/12/2020 6:40:15PM	1	318094	121.461	60.731
		12/12/2020 6:46:45PM	2	309985	118.345	59.172
			Avg	314039	119.900	59.951
			Std. Dev	5734		
			%RSD	1.83		
12	cleaning	12/12/2020 6:54:52PM	1	9186	2.753	1.377
		12/12/2020 7:01:16PM	2	8079	2.328	1.164
			Avg	8633	2.540	1.270
			Std. Dev	783		
			%RSD	9.06		
13	rinse	12/12/2020 7:09:55PM	1	3389	0.526	0.263
		12/12/2020 7:16:42PM	2	3728	0.656	0.328
			Avg	3559	0.590	0.296
			Std. Dev	240		
			%RSD	6.73		
14	240-141503-H-5	12/12/2020 7:24:28PM	1	6844	1.853	0.927
		12/12/2020 7:30:53PM	2	6529	1.732	0.866
			Avg	6687	1.790	0.897
			Std. Dev	223		
			%RSD	3.33		
15	CCV	12/12/2020 7:39:55PM	1	315145	120.328	60.164
		12/12/2020 7:46:20PM	2	306424	116.976	58.488
			Avg	310785	118.650	59.326
			Std. Dev	6167		
			%RSD	1.98		
16	CCB	12/12/2020 7:55:08PM	1	2854	0.320	0.160
		12/12/2020 8:01:58PM	2	3546	0.586	0.292
			Avg	3200	0.450	0.226
			Std. Dev	489		
			%RSD	15.29		
17	240-141503-H-8^2	12/12/2020 8:09:49PM	1	336138	128.395	64.198
		12/12/2020 8:16:02PM	2	320985	122.572	61.286
			Avg	328561	125.480	62.742
			Std. Dev	10715		
			%RSD	3.26		
18	240-141662-H-5	12/12/2020 8:24:32PM	1	201579	76.686	38.343
		12/12/2020 8:30:42PM	2	207126	78.818	39.409
			Avg	204352	77.750	38.876
			Std. Dev	3922		
			%RSD	1.92		

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
19	240-141662-K-7	12/12/2020 8:39:18PM	1	6708	1.801	0.901
		12/12/2020 8:46:08PM	2	5951	1.510	0.755
			Avg	6330	1.660	0.828
			Std. Dev	535		
			%RSD	8.45		
20	240-141662-E-9	12/12/2020 8:54:11PM	1	10103	3.106	1.553
		12/12/2020 9:00:27PM	2	9431	2.848	1.424
			Avg	9767	2.980	1.488
			Std. Dev	475		
			%RSD	4.87		
21	240-141673-H-7	12/12/2020 9:08:57PM	1	9982	3.059	1.530
		12/12/2020 9:15:14PM	2	9064	2.706	1.353
			Avg	9523	2.880	1.442
			Std. Dev	650		
			%RSD	6.82		
22	240-141673-H-8^5	12/12/2020 9:23:59PM	1	106526	40.159	20.080
		12/12/2020 9:30:08PM	2	104563	39.405	19.703
			Avg	105544	39.780	19.892
			Std. Dev	1387		
			%RSD	1.31		
23	240-141673-H-9^10 Re Range	12/12/2020 9:38:49PM	1	1054927	404.612	202.306
		12/12/2020 9:45:02PM	2	1027184	393.951	196.976
			Avg	1041055	399.280	199.641
			Std. Dev	19618		
			%RSD	1.88		
24	240-141673-H-10 Re conyon	12/12/2020 9:53:27PM	1	13097	4.256	2.128
		12/12/2020 9:59:48PM	2	12367	3.976	1.988
			Avg	12732	4.120	2.058
			Std. Dev	516		
			%RSD	4.06		
25	480-178518-AJ-2^5	12/12/2020 10:10:27PM	1	437552	167.367	83.683
		12/12/2020 10:16:39PM	2	421813	161.318	80.659
			Avg	429683	164.340	82.171
			Std. Dev	11129		
			%RSD	2.59		
26	480-178584-M-2	12/12/2020 10:24:17PM	1	5777	1.444	0.722
		12/12/2020 10:30:49PM	2	5488	1.332	0.666
			Avg	5633	1.390	0.694
			Std. Dev	205		
			%RSD	3.64		
27	CCV	12/12/2020 10:39:30PM	1	314263	119.989	59.994
		12/12/2020 10:46:17PM	2	305508	116.624	58.312

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	309886	118.310	59.153
			Std. Dev	6191		
			%RSD	2.00		
28	CCB	12/12/2020 10:54:43PI	1	2865	0.324	0.162
		12/12/2020 11:00:41PI	2	2631	0.235	0.117
			Avg	2748	0.280	0.139
			Std. Dev	165		
			%RSD	6.00		
29	MB	12/12/2020 11:09:32PI	1	1821	0.000	0.000
		12/12/2020 11:15:25PI	2	1537	0.000	0.000
			Avg	1679	0.000	0.000
			Std. Dev	201		
			%RSD	11.96		
30	LCS	12/12/2020 11:24:52PI	1	316811	120.968	60.484
		12/12/2020 11:31:08PI	2	309075	117.995	58.998
			Avg	312943	119.480	59.741
			Std. Dev	5470		
			%RSD	1.75		
31	480-178908-O-1^20	12/12/2020 11:39:52PI	1	3702	0.646	0.323
		12/12/2020 11:46:03PI	2	3090	0.411	0.205
			Avg	3396	0.530	0.264
			Std. Dev	433		
			%RSD	12.76		
32	480-178908-O-2^20	12/12/2020 11:56:37PI	1	176848	67.183	33.591
		12/13/2020 12:02:50AI	2	171916	65.288	32.644
			Avg	174382	66.240	33.118
			Std. Dev	3487		
			%RSD	2.00		
33	480-178908-O-2 MS^20	12/13/2020 12:12:19AI	1	307804	117.507	58.753
		12/13/2020 12:18:30AI	2	289476	110.464	55.232
			Avg	298640	113.990	56.993
			Std. Dev	12960		
			%RSD	4.34		
34	480-178908-O-2 MSD^20	12/13/2020 12:27:58AI	1	314337	120.017	60.009
		12/13/2020 12:34:11AI	2	304401	116.199	58.100
			Avg	309369	118.110	59.054
			Std. Dev	7026		
			%RSD	2.27		
35	480-178908-O-3	12/13/2020 12:41:35AI	1	44636	16.376	8.188
		12/13/2020 12:48:08AI	2	43451	15.921	7.960
			Avg	44044	16.150	8.074
			Std. Dev	838		
			%RSD	1.90		

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
36	480-178908-O-4^100	12/13/2020 12:58:27Al	1	104524	39.390	19.695
		12/13/2020 1:04:41AM	2	97513	36.696	18.347
			Avg	101019	38.040	19.021
			Std. Dev	4957		
			%RSD	4.91		
37	480-178908-O-5	12/13/2020 1:11:57AM	1	13585	4.444	2.222
		12/13/2020 1:18:17AM	2	13003	4.220	2.110
			Avg	13294	4.330	2.166
			Std. Dev	412		
			%RSD	3.10		
38	480-178607-L-2	12/13/2020 1:26:44AM	1	6979	1.905	0.953
		12/13/2020 1:32:58AM	2	6168	1.594	0.797
			Avg	6574	1.750	0.875
			Std. Dev	574		
			%RSD	8.73		
39	CCV	12/13/2020 1:42:28AM	1	315463	120.450	60.225
		12/13/2020 1:49:09AM	2	298786	114.041	57.021
			Avg	307125	117.250	58.623
			Std. Dev	11792		
			%RSD	3.84		
40	CCB	12/13/2020 1:57:58AM	1	4314	0.881	0.441
		12/13/2020 2:03:55AM	2	2263	0.093	0.047
			Avg	3288	0.490	0.244
			Std. Dev	1450		
			%RSD	44.10		
41	480-178627-O-1	12/13/2020 2:12:18AM	1	6265	1.631	0.816
		12/13/2020 2:18:49AM	2	5934	1.504	0.752
			Avg	6100	1.570	0.784
			Std. Dev	234		
			%RSD	3.84		
42	480-178858-Y-3	12/13/2020 2:27:34AM	1	182017	69.169	34.585
		12/13/2020 2:33:45AM	2	174794	66.393	33.197
			Avg	178405	67.780	33.891
			Std. Dev	5107		
			%RSD	2.86		
43	480-178722-J-7	12/13/2020 2:42:18AM	1	398269	152.271	76.135
		12/13/2020 2:48:32AM	2	377855	144.426	72.213
			Avg	388062	148.350	74.174
			Std. Dev	14435		
			%RSD	3.72		
44	480-178928-AI-1	12/13/2020 2:57:01AM	1	14152	4.662	2.331
		12/13/2020 3:03:17AM	2	13095	4.255	2.128

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	13624	4.460	2.229
			Std. Dev	748		
			%RSD	5.49		
45	480-178983-AL-1	12/13/2020 3:11:57AM	1	34313	12.409	6.205
		12/13/2020 3:18:13AM	2	32968	11.892	5.946
			Avg	33641	12.150	6.075
			Std. Dev	951		
			%RSD	2.83		
46	480-178983-AL-2	12/13/2020 3:26:47AM	1	15170	5.053	2.526
		12/13/2020 3:33:03AM	2	14318	4.726	2.363
			Avg	14744	4.890	2.444
			Std. Dev	602		
			%RSD	4.08		
47	480-178996-K-1	12/13/2020 3:42:01AM	1	16274	5.477	2.739
		12/13/2020 3:48:25AM	2	16163	5.434	2.717
			Avg	16218	5.460	2.728
			Std. Dev	79		
			%RSD	0.48		
48	480-178996-K-2	12/13/2020 3:57:01AM	1	21592	7.521	3.760
		12/13/2020 4:03:44AM	2	21519	7.493	3.746
			Avg	21555	7.510	3.753
			Std. Dev	51		
			%RSD	0.24		
49	480-178996-K-3	12/13/2020 4:11:46AM	1	13192	4.293	2.146
		12/13/2020 4:17:48AM	2	12417	3.995	1.998
			Avg	12805	4.140	2.072
			Std. Dev	548		
			%RSD	4.28		
50	480-178996-K-4	12/13/2020 4:26:41AM	1	16618	5.609	2.805
		12/13/2020 4:33:35AM	2	16728	5.652	2.826
			Avg	16673	5.630	2.816
			Std. Dev	78		
			%RSD	0.47		
51	CCV	12/13/2020 4:41:45AM	1	315970	120.645	60.322
		12/13/2020 4:48:37AM	2	309516	118.165	59.082
			Avg	312743	119.400	59.702
			Std. Dev	4564		
			%RSD	1.46		
52	CCB	12/13/2020 4:56:48AM	1	2052	0.012	0.006
		12/13/2020 5:02:59AM	2	2394	0.143	0.072
			Avg	2223	0.080	0.039
			Std. Dev	241		
			%RSD	10.85		

User ID:toc Name: Total Organic Carbon
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Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
53	MB	12/13/2020 5:11:51AM	1	1843	0.000	0.000
		12/13/2020 5:18:01AM	2	1768	0.000	0.000
			Avg	1805	0.000	0.000
			Std. Dev	54		
			%RSD	2.96		
54	LCS	12/13/2020 5:27:15AM	1	318647	121.673	60.837
		12/13/2020 5:33:53AM	2	308105	117.622	58.811
			Avg	313376	119.650	59.824
			Std. Dev	7454		
			%RSD	2.38		
55	480-178996-K-5	12/13/2020 5:42:38AM	1	14938	4.964	2.482
		12/13/2020 5:48:45AM	2	14872	4.938	2.469
			Avg	14905	4.950	2.476
			Std. Dev	46		
			%RSD	0.31		
56	480-178996-L-5 MS^2	12/13/2020 5:57:19AM	1	145048	54.963	27.481
		12/13/2020 6:03:34AM	2	143111	54.218	27.109
			Avg	144080	54.590	27.295
			Std. Dev	1370		
			%RSD	0.95		
57	480-178996-L-5 MSD^2	12/13/2020 6:12:11AM	1	147288	55.823	27.912
		12/13/2020 6:18:24AM	2	143823	54.492	27.246
			Avg	145555	55.160	27.579
			Std. Dev	2450		
			%RSD	1.68		
58	480-178996-K-6	12/13/2020 6:27:18AM	1	13112	4.262	2.131
		12/13/2020 6:33:25AM	2	12730	4.115	2.058
			Avg	12921	4.190	2.094
			Std. Dev	269		
			%RSD	2.09		
59	480-178996-K-7	12/13/2020 6:42:09AM	1	14870	4.937	2.469
		12/13/2020 6:48:43AM	2	14274	4.708	2.354
			Avg	14572	4.820	2.412
			Std. Dev	421		
			%RSD	2.89		
60	480-179009-B-1^4	12/13/2020 6:58:46AM	1	104481	39.374	19.687
		12/13/2020 7:04:47AM	2	101330	38.163	19.081
			Avg	102906	38.770	19.384
			Std. Dev	2228		
			%RSD	2.17		
61	480-179009-B-2	12/13/2020 7:14:31AM	1	685552	262.668	131.334
	Re Range	12/13/2020 7:20:44AM	2	645279	247.192	123.596

User ID:toc Name: Total Organic Carbon
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Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	665415	254.930	127.465
			Std. Dev	28477		
			%RSD	4.28		
62	480-179017-D-1	12/13/2020 7:28:36AM	1	36342	13.189	6.595
		12/13/2020 7:35:17AM	2	36505	13.252	6.626
			Avg	36423	13.220	6.610
			Std. Dev	115		
			%RSD	0.32		
63	CCV	12/13/2020 7:43:39AM	1	321250	122.674	61.337
		12/13/2020 7:50:29AM	2	306828	117.132	58.566
			Avg	314039	119.900	59.951
			Std. Dev	10198		
			%RSD	3.25		
64	CCB	12/13/2020 7:58:58AM	1	3099	0.414	0.207
		12/13/2020 8:05:32AM	2	2912	0.342	0.171
			Avg	3005	0.380	0.189
			Std. Dev	133		
			%RSD	4.41		
65	480-179017-D-2	12/13/2020 8:14:07AM	1	7586	2.139	1.069
		12/13/2020 8:20:40AM	2	7329	2.040	1.020
			Avg	7457	2.090	1.045
			Std. Dev	182		
			%RSD	2.44		
66	480-179030-B-1	12/13/2020 8:29:26AM	1	74979	28.036	14.018
		12/13/2020 8:35:23AM	2	71321	26.631	13.315
			Avg	73150	27.330	13.667
			Std. Dev	2587		
			%RSD	3.54		
67	480-179039-L-5	12/13/2020 8:44:35AM	1	73968	27.648	13.823
		12/13/2020 8:50:50AM	2	70933	26.482	13.241
			Avg	72451	27.060	13.532
			Std. Dev	2146		
			%RSD	2.96		
68	480-179041-AL-1	12/13/2020 8:59:24AM	1	16931	5.729	2.865
		12/13/2020 9:05:39AM	2	15766	5.282	2.641
			Avg	16348	5.510	2.753
			Std. Dev	823		
			%RSD	5.04		
69	MB	12/13/2020 9:14:16AM	1	1525	0.000	0.000
		12/13/2020 9:20:24AM	2	1443	0.000	0.000
			Avg	1484	0.000	0.000
			Std. Dev	58		
			%RSD	3.94		

Denotes First Failed Samples

User ID:toc Name: Total Organic Carbon
Title:Mr Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
70	LCS	12/13/2020 9:29:42AM	1	327991	125.264	62.632
		12/13/2020 9:36:08AM	2	317989	121.421	60.710
			Avg	322990	123.340	61.671
			Std. Dev	7073		
			%RSD	2.19		
71	480-179047-H-2	12/13/2020 9:45:01AM	1	8442	2.467	1.234
		12/13/2020 9:50:48AM	2	7221	1.998	0.999
			Avg	7831	2.230	1.117
			Std. Dev	864		
			%RSD	11.03		
72	480-179047-H-3	12/13/2020 10:00:23AI	1	15197	5.063	2.532
		12/13/2020 10:06:56AI	2	13659	4.472	2.236
			Avg	14428	4.770	2.384
			Std. Dev	1088		
			%RSD	7.54		
73	480-179047-I-3 MS^2	12/13/2020 10:15:06AI	1	148358	56.235	28.117
		12/13/2020 10:21:20AI	2	144231	54.649	27.324
			Avg	146295	55.440	27.721
			Std. Dev	2918		
			%RSD	1.99		
74	480-179047-I-3 MSD^2	12/13/2020 10:30:00AI	1	153545	58.228	29.114
		12/13/2020 10:36:20AI	2	148935	56.456	28.228
			Avg	151240	57.340	28.671
			Std. Dev	3260		
			%RSD	2.16		
75	CCV	12/13/2020 10:45:14AI	1	325353	124.250	62.125
		12/13/2020 10:51:49AI	2	311747	119.022	59.511
			Avg	318550	121.640	60.818
			Std. Dev	9620		
			%RSD	3.02		
76	CCB	12/13/2020 11:00:26AI	1	2092	0.027	0.014
		12/13/2020 11:06:39AI	2	1721	0.000	0.000
			Avg	1906	0.010	0.007
			Std. Dev	262		
			%RSD	13.76		
77	DI	12/13/2020 11:15:24AI	1	2209	0.072	0.036
		12/13/2020 11:21:36AI	2	2019	0.000	0.000
			Avg	2114	0.040	0.018
			Std. Dev	134		
			%RSD	6.36		
78	CCVL	12/13/2020 11:30:47AI	1	9193	2.756	1.378
		12/13/2020 11:36:42AI	2	8885	2.638	1.319

User ID:toc	Name: Total Organic Carbon
Title:Mr	Dept: OIC-TOC

Results - Workspace View - TOC

SP#	Sample ID	Date/Time Analysed	Rep #	Area (Counts)	Mass (ugC)	Conc (PPM)
			Avg	9039	2.700	1.348
			Std. Dev	218		
			%RSD	2.41		

Historical Data Summary Report

For Batch 563276

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-178518-AJ-2 ^5	L104	5310C	Total Organic Carbon	Total/NA	mg/L	4	5.0	411	☑	0 - 352.964	☑	82.4 - 313.2 conf
480-178584-M-2	GMW-25	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-178607-L-2	MW-10R2	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-178627-O-1	KR-1	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-178722-J-7	MW-13	5310C	Total Organic Carbon	Total/NA	mg/L	4	1.0	74	☑	7.788 - 22.712	☑	10.4 - 22.8 conf
480-178858-Y-3	L2 Stage 1	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	33.9	☑	0 - 29.283	☑	4.56 - 24.6 conf
480-178908-O-2 ^2	Stage 4A-P	5310C	Total Organic Carbon	Total/NA	mg/L	8	20.0	662	☐	336.315 - 1546.185	☐	512 - 1404
480-178908-O-3	Stage 4A-S	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	8.1	☐	3.006 - 9.319	☐	3.92 - 9.96
480-178908-O-4 ^1	Stage 5A&B-P	5310C	Total Organic Carbon	Total/NA	mg/L	5	100.0	1900	☐	0 - 10424.094	☐	358.4 - 8136
480-178908-O-5	Stage 5A&B-S	5310C	Total Organic Carbon	Total/NA	mg/L	6	1.0	2.2	☐	0 - 8.537	☐	1.12 - 7.8
480-179009-B-1 ^4	MONITORING STA	5310C	Total Organic Carbon	Total/NA	mg/L	8	4.0	77.5	☐	35.31 - 311.44	☑	85.6 - 304.8 or
480-179030-B-1	EFFLUENT	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	14	☑	5.424 - 10.251	☑	5.44 - 11.4 or
480-179039-L-5	8BCWD	5310C	Total Organic Carbon	Total/NA	mg/L	8	1.0	14	☐	4.688 - 23.112	☐	7.68 - 22.32

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-179017-1

SDG No.:

Batch Number: 563276 Batch Start Date: 11/24/20 18:21 Batch Analyst: Abramo, Charles L

Batch Method: SM 5310C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Res1&2RPD	RPDOK	TOC_CCV 00133	TOC_LCS 00131		
ICV 480-563276/11		SM 5310C		4 %	TOC Pass	# mL			
ICB 480-563276/12		SM 5310C		89 %	TOC Fail				
CCV 480-563276/58		SM 5310C		2 %	TOC Pass	# mL			
CCB 480-563276/59		SM 5310C		169 %	TOC Fail				
MB 480-563276/60		SM 5310C			TOC Pass				
LCS 480-563276/61		SM 5310C		3 %	TOC Pass		# mL		
480-179017-D-1	RW-1	SM 5310C	T	0 %	TOC Pass				
CCV 480-563276/70		SM 5310C		5 %	TOC Pass	# mL			
CCB 480-563276/71		SM 5310C		19 %	TOC Fail				
480-179017-D-2	RW-2	SM 5310C	T	5 %	TOC Pass				
CCV 480-563276/82		SM 5310C		4 %	TOC Pass	# mL			
CCB 480-563276/83		SM 5310C		200 %	TOC Fail				

Batch Notes	
Acid ID	6235176
Batch Comment	ICV ICB new cal; DOC from TOC 563276
Combustion Catylyst ID	TIC 5952235
Phosphoric Acid ID	6249468
Pipette/Syringe/Dispenser ID	M 35907 C
Sodium Persulfate ID	6270872

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing America

Client Information	Sampler: Frank Zabel	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-145910-30092.1
Client Contact: Jessica Marcy	Phone: 518 470-0435	E-Mail: Judy.Stone@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Aztech Technologies Inc	PWSID:			Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days):			
State, Zip: NY, 12020	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Call Out 137243			
Email: jmarcy@aztechenv.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

480-179017 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 TCL VOAs	8260C - 8260 TCL VOA - TB	SM5310D - Local Method	Total No.	Special Instructions/Note:
Preservation Code:							A	A	A		
RW-1	12/4/20	1310	G	Water			X	X	X		
RW-2	12/4/20	1315	G	Water			X	X	X		
RW-3	12/4/20	1320	G	Water			X	X			
DUP	12/4/20	1320	G	Water			X	X			
Effluent	12/4/20	1300	G	Water			X	X			
Trip Blank	12/4/20		G	Water			X	X			
				Water							
				Water							
				Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Frank Zabel	12/4/20 1430	Aztech	Karl Zoche	12/4/20 1430	Eurofins
2	Karl Zoche	12/4/20 1700	Eurofins			
3				Gil	12/5/20 800	TMO

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.4 #1

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-179017-1

Login Number: 179017 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Appendix D

Groundwater Well Development and Sampling Forms

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EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-109	N. Robinson M. Wright	NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 86°F Sunny
Sounding Method: WLM	**Gauge Date:** 08/10/20	**Measurement Ref:** TOC
Stick Up/Down (ft): Flush	**Gauge Time:** 1438	**Well Diameter (in):** 2

Purge Date:	Purge Time:
08/10/20	1439
Purge Method: Peri	**Field Technician:** NR MW

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
43.25		
B. Depth to Water (ft): 7.24	**E. Well Volume (gal) C*D:** 0	**Pump Type:** Peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (mS/cm)	DO (ug/L)	Turbidity (ntu)
1441	7.29	0.90	0.30	6.24	-15	34.23	0.167	2.72	51.2
1444	7.30	1.80		6.22	11	33.84	0.163	3.86	31.2
1447	7.30	2.70		6.08	18	33.17	0.164	4.32	25.5
1450	7.32	3.60		5.90	20	32.48	0.164	5.27	20.7
1453	7.28	4.80		5.56	17	31.93	0.164	5.78	18.7
1456	7.27	5.40		5.24	16	31.40	0.165	5.78	14.0
1459	7.27	6.30		5.20	17	30.71	0.165	5.79	18.8
1502		7.20		5.21	16	30.14	0.165	5.80	18.7

Total Quantity of Water Removed (gal): _____
Samplers: NR MW
Sampling Date: 08/10/20

Sampling Time: 1502
Split Sample With: _____
Sample Type: Grab

COMMENTS AND OBSERVATIONS: PID = 0.0 ppb

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-105	**EA Personnel:** N. Robinson M. Wright	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 85°F Sunny
Sounding Method: WLM	**Gauge Date:** 8/10/20	**Measurement Ref:** No
Stick Up/Down (ft): Flush	**Gauge Time:** 1336	**Well Diameter (in):** 4

Purge Date: 8/10/20	**Purge Time:** 1336
Purge Method: Peri	**Field Technician:** NR MW

Well Volume

A. Well Depth (ft): 79.10	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 5.14	**E. Well Volume (gal) C*D):** 0	**Pump Type:**
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (µS/cm)	DO (ug/L)	Turbidity (ntu)
1337	5.14	0.75	0.25	6.70	101	24.46	0.675	3.73	0.0
1340	5.20	1.50		6.85	101	23.69	0.717	2.82	0.0
1343	5.25	2.25		6.92	100	23.74	0.793	2.80	0.0
1346	5.28	3.00		6.96	100	24.09	0.787	2.58	0.0
1349	5.30	3.75		7.02	99	24.57	0.803	2.32	0.0
1352	5.30	4.50		7.07	98	24.83	0.820	2.41	0.0
1355	5.32	5.25		7.10	97	25.08	0.823	2.37	0.0
1358	5.35	6.00		7.14	97	25.17	0.825	2.39	0.0

Total Quantity of Water Removed (gal):
Samplers: NR MW
Sampling Date: 8/10/20

Sampling Time: 1358
Split Sample With:
Sample Type: Grab

COMMENTS AND OBSERVATIONS: PID = 0.0 ppb

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-111	**EA Personnel:** M. Robinson M. Wright	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 85°F
Sounding Method:	**Gauge Date:** 8/10/20	**Measurement Ref:** NO
Stick Up/Down (ft):	**Gauge Time:** 1250	**Well Diameter (in):** 8

Purge Date: 8/10/20	**Purge Time:**
Purge Method: peri	**Field Technician:** NR MW

Well Volume

A. Well Depth (ft): 20.30	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 9.39	**E. Well Volume (gal) C*D):** 0	**Pump Type:** peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:** 5 Ft above bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (mS/cm)	DO (ug/L)	Turbidity (ntu)
1251	9.40	~~1.0~~ 0.9	0.30	7.20	-22	21.31	0.459	7.11	0.0
1254	9.40	~~2.0~~ 1.8	↓	6.90	8	19.31	0.475	6.59	0.0
1257	9.41	~~3.0~~ 2.7		6.61	25	18.94	0.480	7.96	0.0
1300	9.41	3.6		6.35	35	18.74	0.486	7.90	0.0
1303	9.41	4.5		6.23	42	19.25	0.486	7.88	0.0
1306	9.42	5.4		6.22	43	19.41	0.486	7.87	0.0
1309	9.42	6.3		6.21	45	19.34	0.486	7.87	0.0

Total Quantity of Water Removed (gal):
Samplers: NR MW
Sampling Date: 08/10/2020

Sampling Time: 1309
Split Sample With: 442024-Dup-08102020
Sample Type:

COMMENTS AND OBSERVATIONS: NO J plug

PID = 0.0 ppb

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-101A	N. Robinson M. Wright	NYSDEC
Location: Roxy Cleaners	**Well Condition:** Buried	**Weather:** 83°F
Sounding Method: WLM	**Gauge Date:** ~~Hoe~~ 8/10/20	**Measurement Ref:** N
Stick Up/Down (ft):	**Gauge Time:** 1100	**Well Diameter (in):** 4

Purge Date:	Purge Time:
8/10/20	1107
Purge Method: Peri	**Field Technician:** NR MW

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
13.94		
B. Depth to Water (ft): 7.94	**E. Well Volume (gal) C*D):** 0	**Pump Type:** Peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:** Tubing 5ft From bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (mS/cm) (uS/cm)	DO (ug/L)	Turbidity (ntu)
1107	7.94	1.05	0.35	5.48	-32	22.18	1.41	1.41	33.5
1110	8.05	2.10	↓	5.78	-65	21.42	1.35	1.33	30.6
1113	8.09	3.15		5.84	-68	20.72	1.28	1.34	30.4
1116	8.15	4.20		5.81	-69	20.56	1.34	0.81	28.6
1119	8.20	5.25		5.81	-72	20.04	1.34	0.75	28.0
1122	8.22	6.30		5.82	-73	19.71	1.34	0.74	27.9

Total Quantity of Water Removed (gal): _____
Samplers: _____
Sampling Date: 8/10/20

Sampling Time: 1125
Split Sample With: ~~DUP = 0810-2010~~
Sample Type: _____

COMMENTS AND OBSERVATIONS: PID = 1021 ppb

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: INJ- 1	**EA Personnel:** M. Wright	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 78°F Sun
Sounding Method: WLM	**Gauge Date:** 8/10/20	**Measurement Ref:**
Stick Up/Down (ft): Flush	**Gauge Time:** 1110	**Well Diameter (in):** 4

Purge Date: ~~###~~ 8/10/20	**Purge Time:** 1110
Purge Method: Peri Pump	**Field Technician:** M. Wright

Well Volume

A. Well Depth (ft): 21.02	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 7.80	**E. Well Volume (gal) C*D):** 0	**Pump Type:** Peri Pump
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:** Tubing pull 5 ft from bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1112	8.10		0.3	6.24	-137	19.01	1.15	1.30	21.9
1115	8.15		0.3	6.38	-139	17.65	1.16	1.00	22.7
1118	8.30		0.3	6.34	-142	17.16	1.16	0.79	22.0
1121	8.40		0.3	6.31	-143	17.31	1.15	0.58	20.8
1124	8.46		0.3	6.29	-145	17.31	1.16	0.58	21.1
1127	8.51		0.3	6.29	-145	17.39	1.16	0.56	20.9

Total Quantity of Water Removed (gal):
Samplers: MW NR
Sampling Date: 8/10/20

Sampling Time: 1127
Split Sample With: ~~###~~ MS/MSD
Sample Type: Grab

COMMENTS AND OBSERVATIONS:

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-2B	**EA Personnel:** N. Robinson M. Wright	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 86°F Sunny
Sounding Method: Whp	**Gauge Date:** 08/10/2020	**Measurement Ref:** NO
Stick Up/Down (ft): Stickup	**Gauge Time:** 1530	**Well Diameter (in):**

Purge Date: 08/10/2020	**Purge Time:** 1535
Purge Method: Peri	**Field Technician:** NR MW

Well Volume

A. Well Depth (ft): 64.80	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 12.55	**E. Well Volume (gal) C*D):** 0	**Pump Type:** Peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:** 5 ft above bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1537	12.55	0.75	0.25	7.60	96	27.56	0.580	2.05	20.1
1540	12.58	1.50	0.25	7.65	61	27.36	0.532	0.83	18.2
1543	12.60	2.25	|	7.74	40	27.09	0.521	0.69	16.5
1546	12.61	3.00	|	7.82	24	26.73	0.514	0.57	16.0
1549	12.63	3.75	|	7.88	12	26.39	0.512	0.53	14.4
1552	12.63	4.50	|	7.92	1	26.03	0.509	0.50	16.7
1555	12.65	5.25	|	7.94	-5	25.87	0.510	0.52	15.3
1558	12.66	6.00	|	7.96	-9	25.67	0.513	0.49	14.9
1601	12.66	6.75	|	7.97	-10	25.53	0.513	0.47	15.2
			|					
			↓						

Total Quantity of Water Removed (gal): _____
Samplers: NR MW
Sampling Date: 08/10/2020

Sampling Time: 1601
Split Sample With: _____
Sample Type: Grab

COMMENTS AND OBSERVATIONS: PFAS = 0.0 ppb

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-2	EA Personnel: MW	Client: NYSDEC
Location: Roxy Cleaners	Well Condition: Good	Weather: 85 Sun
Sounding Method: WLM	Gauge Date: 8/10/20	Measurement Ref:
Stick Up/Down (ft): up	Gauge Time: 1530	Well Diameter (in): 2

Purge Date: 8/10/20	Purge Time: 1535
Purge Method: Peri	Field Technician: MW

Well Volume

A. Well Depth (ft): 38.61	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 11.12	E. Well Volume (gal) C*D): 0	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3): 0	Pump Designation:

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1536	11.15		0.3	6.53	97	~~0.844~~	0.844	1.77	65.0
1539	11.21		0.3	6.55	91	16.94	0.875	1.32	55.9
1542	11.21		0.3	6.50	90	16.53	0.873	1.24	31.3
1545	11.22		0.3	6.27	80	15.94	0.883	1.09	31.2
1548	11.24		0.3	6.22	74	15.81	0.886	1.08	30.8
1551	11.24		0.3	6.16	66	15.74	0.889	1.06	29.7
1554	11.24		0.3	6.11	59	15.97	0.895	1.05	29.1
1557	11.24		0.3	6.09	59	16.05	0.896	1.05	28.3
1600	11.24		0.3	6.06	52	15.95	0.897	1.05	25.9
1603	11.24		0.3	6.06	46	15.93	0.897	1.05	22.2
1606	11.24		0.3	6.07	45	15.95	0.897	1.05	22.1
1609									

Total Quantity of Water Removed (gal): _____
Samplers: _____
Sampling Date: _____

Sampling Time: 1606
Split Sample With: _____
Sample Type: _____

COMMENTS AND OBSERVATIONS: _____

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-105A	**EA Personnel:** MW NR	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** poor	**Weather:** 85 Sun
Sounding Method: WLM	**Gauge Date:** 8/10/20	**Measurement Ref:**
Stick Up/Down (ft): Flush	**Gauge Time:** 1340	**Well Diameter (in):** 2

Purge Date: 8/10/20	**Purge Time:** 1340
Purge Method: ~~1340~~ Peri Pump	**Field Technician:** MW

Well Volume

A. Well Depth (ft): 45.16	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 6.10	**E. Well Volume (gal) C*D):** 0	**Pump Type:** Per
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:** 5 ft above bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1340	6.10		0.3	6.10	-38	18.07	0.072	0.88	115
1343	6.20		0.3	5.62	-24	17.62	0.084	0.57	70.7
1346	6.15		0.3	5.52	-26	17.41	0.084	0.53	101
1349	6.15		0.3	5.21	-25	19.97	0.087	0.45	54.3
1352	6.15		0.3	5.26	-27	18.48	0.090	0.39	34.3
1355	6.15		0.3	5.26	-30	18.07	0.093	0.38	~~20~~ 19.0
1358	6.15		0.3	5.26	-34	17.71	0.093	0.36	9.0
1401	6.15		0.3	5.25	-36	17.79	0.095	0.35	5.9
1404	6.15		0.3	5.25	-37	17.70	0.094	0.35	8.3

Total Quantity of Water Removed (gal):
Samplers: MW NR
Sampling Date: 8/10/20

Sampling Time: 1404
Split Sample With:
Sample Type: grab

COMMENTS AND OBSERVATIONS: No cap, full of dirt, Flush
Horiba @ 1346

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-103A	EA Personnel: MW NR	Client: NYSDEC
Location: Roxy Cleaners	Well Condition: good	Weather: 80 Sun
Sounding Method: WLM	Gauge Date: 8/10/20	Measurement Ref:
Stick Up/Down (ft): Flush	Gauge Time: 1210	Well Diameter (in): 2

Purge Date: 8/10/20	Purge Time: 1213
Purge Method: Peri Pump	Field Technician: MW NR

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 9.81	E. Well Volume (gal) C*D): 0	Pump Type: Peri
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3): 0	Pump Designation: 5ft above bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1213	9.84		0.2	6.25	47	25.77	0.00	6.96	122
1216	9.89		0.2	6.10	61	25.56	0.00	6.92	121
1219	9.91		0.2	6.07	57	25.44	0.00	6.90	124
1222	9.95		0.2	5.91	83	25.31	0.00	6.94	123
1225	9.97		0.2	6.95	95	23.34	0.461	5.31	0.0
1228	9.98		0.2	6.91	90	21.16	0.464	5.22	0.0
1231	9.98		0.2	6.59	105	20.38	0.468	5.06	0.0
1234	9.99		0.2	6.45	110	20.19	0.467	4.80	0.0
1237	10.01		0.2	6.35	117	20.11	0.464	4.71	0.0
1240	10.01		0.2	6.32	120	20.41	0.460	4.58	0.0
1243	10.02		0.2	6.28	123	20.23	0.454	4.54	0.0
1246	10.02		0.2	6.27	125	20.51	0.453	4.40	0.0

Total Quantity of Water Removed (gal):
Samplers: MW NR
Sampling Date: 8/10/20

Sampling Time: 1252
Split Sample With:
Sample Type: Grab

COMMENTS AND OBSERVATIONS: Flash Horiba at 1225

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-103A continued	**EA Personnel:**	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:**	**Weather:**
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**

Purge Date:	**Purge Time:**
Purge Method:	**Field Technician:**

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):** 0	**Pump Type:**
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1249	10.03		0.2	6.26	126	20.53	0.449	4.41	0.0
1252	10.03		0.2	6.26	128	20.54	0.447	4.37	0.0

Total Quantity of Water Removed (gal): _____ **Sampling Time:** _____
Samplers: _____ **Split Sample With:** _____
Sampling Date: _____ **Sample Type:** _____

COMMENTS AND OBSERVATIONS: _____

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-106A	N. Robinson M. Wright	NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 71°F Sunny
Sounding Method: WLM	**Gauge Date:** 08/11/20	**Measurement Ref:** ND
Stick Up/Down (ft): Stickup	**Gauge Time:** 0800	**Well Diameter (in):** 2

Purge Date:	Purge Time:
08/11/20	0803
Purge Method: Peri	**Field Technician:** NR MW

Well Volume		
A. Well Depth (ft): 28.02	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 11.00	**E. Well Volume (gal) C*D):** 0	**Pump Type:** Peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:** 5' ft above

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (mS/cm)	DO (ug/L)	Turbidity (ntu)
0803	11.04	0.75	0.25	6.49	171	23.44	0.745	2.71	2.5
0806	11.06	1.50		6.99	161	22.51	0.705	1.17	1.9
0809	11.09	2.25		7.14	154	18.40	0.735	0.95	0.5
0812	11.10	3.00		7.22	149	17.63	0.738	0.93	0.5
0815	11.10	3.75		7.27	147	17.07	0.735	0.92	0.7
0818	11.12	4.50		7.26	145	16.73	0.735	0.93	0.6
0821	11.12	5.25		7.27	144	16.52	0.734	0.94	0.6

Total Quantity of Water Removed (gal): _____
Samplers: NR MW
Sampling Date: 08/11/2020

Sampling Time: 0821
Split Sample With: MS/MSD
Sample Type: Grab

COMMENTS AND OBSERVATIONS: PID = 121 ppb

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW-5	**EA Personnel:** N. Robinson M. Wright	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 76 °F Sunny
Sounding Method: WLM	**Gauge Date:** 08/11/2020	**Measurement Ref:** No
Stick Up/Down (ft): flush	**Gauge Time:** 0925	**Well Diameter (in):** 2

Purge Date: 8/11/2020	**Purge Time:** 0926
Purge Method: Peri	**Field Technician:** NR MW

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 10.23	**E. Well Volume (gal) C*D):** 0	**Pump Type:** peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (mS/cm)	DO (ug/L)	Turbidity (ntu)
0930	10.23	0.75	0.25	6.73	133	24.60	0.637	3.45	3.2
0933	10.23	1.50		6.43	141	24.61	0.627	1.48	0.3
0936	10.24	2.25		6.41	138	24.61	0.624	1.31	0.5
0939	10.24	3.00		6.41	136	24.61	0.623	1.21	0.4
0942	10.24	3.75		6.41	134	24.74	0.620	1.21	0.4
0945	10.24	4.50		6.41	133	24.87	0.621	1.20	0.4

Total Quantity of Water Removed (gal): _____
Samplers: NR MW
Sampling Date: 08/11/20

Sampling Time: 0945
Split Sample With: _____
Sample Type: Grab

COMMENTS AND OBSERVATIONS: PID = 0.0 ppb

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-108	**EA Personnel:** N. Robinson MW Sight	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 82°F Sunny
Sounding Method: WLM	**Gauge Date:** 08/11/20	**Measurement Ref:** TOC
Stick Up/Down (ft): Stick Up	**Gauge Time:** 1040	**Well Diameter (in):** 4

Purge Date: 08/11/2020	**Purge Time:** 1041
Purge Method: Peri	**Field Technician:** NR MW

Well Volume

A. Well Depth (ft): 42.79	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 7.01	**E. Well Volume (gal) C*D):** 0	**Pump Type:** Peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:** 5 ft From bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1043	7.15	0.9	0.30	7.46	166	29.35	0.712	5.26	8.2
1046	7.16	1.8		7.25	167	28.88	0.708	1.43	6.1
1049	7.18	2.7		7.00	167	27.97	0.718	1.11	4.9
1052	7.18	3.6		6.84	166	27.37	0.727	1.01	6.0
1055	7.19	4.5		6.80	164	27.16	0.729	0.99	5.9
1058	7.20	5.4		6.77	165	27.12	0.730	0.97	5.2
1101	7.22	6.3		6.76	164	26.34	0.729	0.97	5.8

Total Quantity of Water Removed (gal): _____
Samplers: NR MW
Sampling Date: 08/11/20
Sampling Time: 1101
Split Sample With: _____
Sample Type: Grab

COMMENTS AND OBSERVATIONS: PID = 0.0 ppb

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-3B	**EA Personnel:** N.Robinson MiWright	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 85°F Sunny
Sounding Method: WLM	**Gauge Date:** 08/11/2020	**Measurement Ref:** NO
Stick Up/Down (ft): Stick up	**Gauge Time:** 1145	**Well Diameter (in):** 4

Purge Date: 08/11/2020	**Purge Time:** 1146
Purge Method: Peri	**Field Technician:** NR MW

Well Volume

A. Well Depth (ft): 59.70	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 7.27	**E. Well Volume (gal) C*D):** 0	**Pump Type:** Peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:** 5ft from bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (mS/cm)	DO (ug/L)	Turbidity (ntu)
1147	07.27	0.75	6.25	7.25	-58	33.77	0.587	1.92	0.0
1150	7.27	1.50	↓	7.41	-145	32.46	0.598	1.03	0.0
1153	7.27	2.25		7.44	-161	31.43	0.607	0.90	0.5
1156	7.27	3.00		7.50	-201	30.16	0.617	0.67	10.5
1159	7.27	3.75		7.52	-226	29.17	0.624	0.47	13.1
1202	7.27	4.50		7.52	-235	26.66	0.629	0.44	14.2
1205	7.27	5.25		7.52	-236	28.18	0.635	0.43	12.7
1208	7.27	6.00		7.51	-236	29.56	0.645	0.47	12.5
1211	7.27	6.75		7.50	-236	27.24	0.650	0.47	12.4
			↓						

Total Quantity of Water Removed (gal): _____
Samplers: NR MW
Sampling Date: 08/11/2020

Sampling Time: 1211
Split Sample With: _____
Sample Type: Grab

COMMENTS AND OBSERVATIONS: PID=0.0 ppb

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-4B	N. Robitzer M. Wright	NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 88°F Sunny
Sounding Method: WLM	**Gauge Date:** 8/11/20	**Measurement Ref:** N
Stick Up/Down (ft): Stick up	**Gauge Time:** 1247	**Well Diameter (in):** 4

Purge Date:	Purge Time:
8/11/20	1248
Purge Method: Peri	**Field Technician:** NR MW

Well Volume		
A. Well Depth (ft): 80.81	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 7.54	**E. Well Volume (gal) C*D):** 0	**Pump Type:** peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:** 5 ft from bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (mS/cm)	DO (ug/L)	Turbidity (ntu)
1250	7.58	0.75	0.25	7.72	-153	27.29	0.321	2.16	28.0
1253	7.54	1.50	↓	7.76	-222	26.43	0.314	0.79	27.7
1256	7.60	2.25		7.75	-238	25.88	0.317	0.62	27.6
1259	7.66	3.00		7.76	-245	25.44	0.318	0.55	26.5
~~1300~~ 1302	7.60	3.75		7.77	-252	25.14	0.318	0.52	25.3
1305	7.60	4.50		7.78	-256	24.95	0.318	0.51	24.1
1308	7.60	5.25		7.79	-259	24.78	0.319	0.49	20.0
1311	7.60	6.00		7.80	-264	24.60	0.320	0.47	19.6
1314	7.60	6.75		7.81	-267	24.60	0.320	0.46	18.1
1317	7.60	7.50		7.81	-266	24.29	0.320	0.45	18.0
1320	7.60	8.25	↓	7.83	-269	24.03	0.320	0.46	17.4

Total Quantity of Water Removed (gal):
Samplers: NR, MW
Sampling Date: 8/11/20

Sampling Time: 1320
Split Sample With:
Sample Type: Grab

COMMENTS AND OBSERVATIONS:

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-104	**EA Personnel:** N. Robinson M. Wright	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 89 °F Sunny
Sounding Method: WLM	**Gauge Date:** 08/11/20	**Measurement Ref:** ~~No~~ Yes
Stick Up/Down (ft): Stickup	**Gauge Time:** 1345	**Well Diameter (in):** 4

Purge Date: 8/11/20	**Purge Time:** 13.46
Purge Method: Peri	**Field Technician:** NRMW

Well Volume

A. Well Depth (ft): 48.92	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:** ~~23~~
B. Depth to Water (ft): 23.72	**E. Well Volume (gal) C*D):** 0	**Pump Type:** Peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:** 5 ft above bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (mS/cm) (uS/cm)	DO (ug/L)	Turbidity (ntu)
~~1356~~ 1358	23.75	0.9	0.3	7.73	77	26.92	0.490	4.82	16.7
1353	23.75	1.8		7.66	88	25.88	0.483	4.11	7.9
1356	23.75	2.7		7.60	93	25.18	0.491	4.02	8.4
1359	23.75	3.6		7.57	98	24.94	0.494	3.92	7.5
1402	23.75	4.5		7.53	103	24.76	0.496	3.99	5.5
1405	23.75	5.4		7.51	105	24.50	0.498	3.93	4.8
1408	23.75	6.3		7.49	107	24.31	0.499	3.86	4.3
1411	23.75	7.2		7.47	110	24.25	0.498	3.87	4.5
1414	23.75	8.1		7.47	111	24.21	0.498	3.86	4.4

Total Quantity of Water Removed (gal): _____
Samplers: NR MW
Sampling Date: 8/11/20

Sampling Time: 1414
Split Sample With: _____
Sample Type: Grab

COMMENTS AND OBSERVATIONS: PID ppb = 0.0

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
MW-1D	N. Robinson M. Wright	NYSDEC
Location:	**Well Condition:**	**Weather:**
Roxy Cleaners	Good	90°F Sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
WLM	8/11/20	No
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
Flush	1500	4

Purge Date:	Purge Time:
8/11/20	1505
Purge Method:	**Field Technician:**
Peri	NR MW

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
58.14		
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
13.23	0	Peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):**	**Pump Designation:**
	0	5ft from Bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (mS/cm)	DO (ug/L)	Turbidity (ntu)
1507	13.60	0.75	0.25	7.44	-177	22.60	0.371	2.87	149
1510	13.60	1.50		7.36	-206	20.55	0.348	0.93	136
1513	13.62	2.25		7.32	-215	19.92	0.352	0.86	135
1516	13.65	3.00		7.31	-226	19.34	0.352	0.78	123
1519	13.65	3.75		7.30	-230	19.03	0.352	0.71	108
1522	13.65	4.50		7.29	-234	19.02	0.352	0.68	110
1525	13.65	5.25		7.29	-241	18.78	0.353	0.65	112
1528	13.65	6.00	↓	7.29	-242	18.78	0.353	0.64	112
1531	13.65	6.75		7.29	-244	18.51	0.353	0.69	109
1534	13.65	7.50		7.29	-240	18.49	0.353	0.68	64.0
1537	13.65	8.25	↓	7.17	-183	18.75	0.347	1.43	64.7
1540	13.65	9.00		7.16	-220	18.31	0.351	0.83	67.7

Total Quantity of Water Removed (gal): _____
Samplers: NR MW
Sampling Date: 8/11/20

Sampling Time: 1551
Split Sample With: _____
Sample Type: _____

COMMENTS AND OBSERVATIONS: _____

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-1B	**EA Personnel:**	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:**	**Weather:**
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**

Same as Page 1

Purge Date:	**Purge Time:**
Purge Method:	**Field Technician:**

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):** 0	**Pump Type:**
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (mS/cm)	DO (ug/L)	Turbidity (ntu)
1543	13.65	9.25	0.25	7.18	-230	18.26	0.353	0.64	66.6
1546	13.65	10.50		7.19	-235	18.31	0.353	0.67	66.0
1549	13.65	11.25		7.20	-247	18.38	0.353	0.63	66.8
1552	13.65	12.00		7.19	-240	18.38	0.353	0.64	66.2

Total Quantity of Water Removed (gal):
Samplers: NR BMW
Sampling Date: 8/11/20
Sampling Time: 1552
Split Sample With:
Sample Type: Grab

COMMENTS AND OBSERVATIONS:

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: INO-3	**EA Personnel:** M, Robinson M, Wright	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** [redacted] Bad	**Weather:** 90°F Sunny
Sounding Method:	**Gauge Date:** 8/11/20	**Measurement Ref:** MP
Stick Up/Down (ft):	**Gauge Time:** 1620	**Well Diameter (in):** 4

Purge Date: 8/11/2020	**Purge Time:** 1428
Purge Method: Peri	**Field Technician:** MR MW

Well Volume

A. Well Depth (ft): 39,95	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 9,93	**E. Well Volume (gal) C*D):** 0	**Pump Type:** Peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (mS/cm) (uS/cm)	DO (ug/L)	Turbidity (ntu)
1630	9.95	0.75	0.25	5.25	6	22.53	3.46	5.08	110
1633	9.95	1.50		4.85	4	20.78	3.52	4.87	113
1636	9.95	2.25		4.65	4	20.00	3.55	0.87	110
1639	9.96	3.00		4.61	4	20.03	3.52	0.74	108
1642	9.96	3.75		4.57	4	20.37	3.51	0.64	106
1645	9.94	4.50		4.53	3	20.18	3.52	0.61	92.8
1648	9.97	5.25		4.53	3	20.20	3.52	0.61	91.2
1651	9.97	6.00		4.52	6	20.48	3.50	1.13	140
1654	9.97	6.75		4.52	5	20.41	3.52	1.04	140
1657	9.97	7.50	↓	4.51	4	20.22	3.51	0.60	130
1700	9.98	8.25		4.61	4	19.62	3.51	0.60	126
1703	9.98	9.00		4.50	4	19.30	3.56	0.60	111

16 ↓

Total Quantity of Water Removed (gal): _____ Sampling Time: _____
Samplers: _____ Split Sample With: _____
Sampling Date: _____ Sample Type: _____

COMMENTS AND OBSERVATIONS: _____

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: ~~MW~~ DNT-3	**EA Personnel:**	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:**	**Weather:**
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**

Same as Pg. 1

Purge Date:	**Purge Time:**
Purge Method:	**Field Technician:**

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):** 0	**Pump Type:**
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1706	9.98	9.75	0.25	4.49	5	19.08	4.48	0.54	107
1709	9.98	10.50	↓	4.48	4	18.99	3.49	0.54	106
1712	9.98	11.25		4.47	4	18.79	3.50	0.53	105
1715	9.99	12.00		4.47	4	18.82	3.49	0.53	102
1718	9.99	12.75		4.46	4	19.06	3.49	0.52	106
1722	9.91	13.50		4.46	4	19.31	3.49	0.51	107
1725	9.99	14.25		4.46	4	19.03	3.49	0.53	106
1728	10.00	15.00		4.46	4	18.79	3.49	0.53	105
1731									

Total Quantity of Water Removed (gal): _____ **Sampling Time:** 1728
Samplers: _____ **Split Sample With:** _____
Sampling Date: _____ **Sample Type:** _____

COMMENTS AND OBSERVATIONS: _____

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-106	**EA Personnel:** MW	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** PVC Broken	**Weather:** 70 Sun
Sounding Method: WLM	**Gauge Date:** 8/11/20	**Measurement Ref:**
Stick Up/Down (ft): UP	**Gauge Time:** 0800	**Well Diameter (in):** 4

Purge Date: 8/11/20	**Purge Time:** 0902
Purge Method: Pur	**Field Technician:**

Well Volume

A. Well Depth (ft): 56.62	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 11.25	**E. Well Volume (gal) C*D):** 0	**Pump Type:** Peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:** 5ft from bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
0902	11.25		0.25	5.94	178	23.88	0.412	3.95	0.0
0905	11.41		—	6.96	161	23.09	0.391	3.46	0.0
0808	11.79		—	7.57	155	22.29	0.383	3.22	0.0
0811	12.10		—	7.81	154	22.01	0.383	3.16	0.0
0814	12.12		—	7.94	153	21.81	0.385	3.14	0.0
0817	12.18		—	8.05	153	21.63	0.386	3.13	0.0
0820	12.25		—	8.15	152	21.43	0.387	3.14	0.0
0823	12.27		—	8.22	152	21.25	0.387	3.13	0.0
0826	12.28		—	8.25	152	21.17	0.387	3.12	0.0
0829	12.29		—	8.28	152	21.15	0.387	3.13	0.0

Total Quantity of Water Removed (gal):
Samplers: MW
Sampling Date: 8/14/20

Sampling Time: 0829
Split Sample With: Dup
Sample Type: Grab

COMMENTS AND OBSERVATIONS: Duplicate FD-08112020

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-108A	**EA Personnel:** MW	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 80 Sun
Sounding Method: WLM	**Gauge Date:** 8/11/20	**Measurement Ref:**
Stick Up/Down (ft): GP	**Gauge Time:** 1035	**Well Diameter (in):** 2

Purge Date: 8/11/20	**Purge Time:**
Purge Method:	**Field Technician:**

Well Volume

A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 7.20	**E. Well Volume (gal) C*D):** 0	**Pump Type:** Peri
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:** 5ft off bottom

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1040	7.20		.25	6.95	128	21.82	0.695	4.11	18.3
1043	7.25		—	6.92	127	20.41	0.711	2.83	14.5
1046	7.26		—	6.92	124	20.43	0.711	2.74	~~18.~~
1049	7.26		—	6.94	125	20.08	0.721	2.52	12.1
1052	7.26		—	6.96	121	19.89	0.722	2.35	9.7
1055	7.26		—	6.97	120	19.89	0.722	2.29	7.0
1058	7.26		—	6.98	119	19.89	0.722	2.26	7.5

Total Quantity of Water Removed (gal): _____
Samplers: _____
Sampling Date: _____

Sampling Time: 1058
Split Sample With: _____
Sample Type: _____

COMMENTS AND OBSERVATIONS: _____

EA Engineering P.C. and Its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-107A	**EA Personnel:** MW	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 75 Sun
Sounding Method: WLM	**Gauge Date:** 8/11/20	**Measurement Ref:**
Stick Up/Down (ft): Flush	**Gauge Time:** 0920	**Well Diameter (in):** 4

Purge Date: 8/11/20	**Purge Time:** 0925
Purge Method: Peri	**Field Technician:** MW

Well Volume

A. Well Depth (ft): 29.98	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 9.75	**E. Well Volume (gal) C*D):** 0	**Pump Type:**
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
0928	9.75		.25	7.87	154	25.62	0.744	4.04	12.9
0931	9.75		.25	7.99	151	24.88	0.741	2.10	9.8
0934	9.76		"	8.04	149	24.51	0.747	1.93	6.1
0937	9.76		"	8.09	148	24.48	0.746	1.92	6.5
0940	9.77		"	8.13	147	24.37	0.747	1.87	6.0
0943	9.78			8.15	146	24.33	0.746	1.85	5.4

Total Quantity of Water Removed (gal):
Samplers: MW NR
Sampling Date: 8/11/20

Sampling Time: 0943
Split Sample With: —
Sample Type: Grab

COMMENTS AND OBSERVATIONS:

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-3	**EA Personnel:** MW	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 80 sun
Sounding Method: WLM	**Gauge Date:** 8/11/20	**Measurement Ref:**
Stick Up/Down (ft): up	**Gauge Time:** 1144	**Well Diameter (in):** 2

Purge Date: 8/11/20	**Purge Time:** 1145
Purge Method: Peri L-flo	**Field Technician:**

Well Volume		
A. Well Depth (ft):	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 8.13	**E. Well Volume (gal) C*D):** 0	**Pump Type:**
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1145 ~~1144~~	8.33		.175	7.08	105	21.52	0.524	5.50	24.5
1148	8.33		—	7.09	102	20.11	0.555	5.71	22.6
1151	8.34		—	7.11	99	20.72	0.580	5.85	19.2
1154	8.35		—	6.25	134	19.97	0.585	5.78	18.3
1157	8.36		—	6.68	96	19.38	0.591	5.63	21.1
1200	8.37		—	6.78	77	19.10	0.595	5.57	19.3
1203	8.38		—	6.89	62	18.61	0.600	5.51	17.4
1206	8.38		—	6.93	59	18.41	0.605	5.40	13.3
1209	8.39		—	7.00	53	18.23	0.611	5.41	12.5
1212	8.40		—	7.12	49	18.02	0.614	5.41	11.3
1215	8.40		—	7.11	47	17.92	0.616	5.29	10.7
1218	8.41		—	7.09	45	17.82	0.617	5.24	9.4

Total Quantity of Water Removed (gal): _____ **Sampling Time:** _____
Samplers: _____ **Split Sample With:** _____
Sampling Date: _____ **Sample Type:** _____

COMMENTS AND OBSERVATIONS: _____

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-3 (continued)	EA Personnel:	Client: NYSDEC
Location: Roxy Cleaners	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref:
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

Purge Date:	Purge Time:
Purge Method:	Field Technician:

Well Volume		
A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) C*D): 0	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3): 0	Pump Designation:

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperatur (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1221	8.33	-	—	7.12	CAL	17.64	0.620	5.20	8.0
1224	8.34		—	7.14	42	17.56	0.622	5.16	8.7

Total Quantity of Water Removed (gal): _____
Samplers: _____
Sampling Date: _____

Sampling Time: 1224
Split Sample With: _____
Sample Type: _____

COMMENTS AND OBSERVATIONS: _____

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-4	**EA Personnel:** MW	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** Good	**Weather:** 80 sun
Sounding Method: WLM	**Gauge Date:** 8/11/20	**Measurement Ref:**
Stick Up/Down (ft): up	**Gauge Time:** 1245	**Well Diameter (in):** 2

Purge Date: 8/11/20	**Purge Time:** 1250
Purge Method: Per Low Flow	**Field Technician:** MW

Well Volume

A. Well Depth (ft): 39.56	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 7.55	**E. Well Volume (gal) C*D):** 0	**Pump Type:**
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1250	7.55		12	7.70	68	19.44	0.684	3.51	0.0
1253	7.55		—	7.71	68	19.12	0.686	3.28	0.0
1256	7.55		—	7.73	68	19.17	0.685	2.97	0
1259	7.55		—	7.75	67	19.18	0.686	2.85	0
1302	7.55		—	7.77	67	19.20	0.686	2.78	0
1305	7.79		—	7.79	66	19.10	0.685	2.74	0

Total Quantity of Water Removed (gal): _____ **Sampling Time:** 1305

Samplers: _____ **Split Sample With:** _____

Sampling Date: _____ **Sample Type:** _____

COMMENTS AND OBSERVATIONS: _____

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-1	**EA Personnel:** MW	**Client:** NYSDEC
Location: Roxy Cleaners	**Well Condition:** bad	**Weather:** 78° F
Sounding Method: WLM	**Gauge Date:** 8/11/20	**Measurement Ref:**
Stick Up/Down (ft): flush	**Gauge Time:** 1500	**Well Diameter (in):** 2

Purge Date: 8/11/20	**Purge Time:**
Purge Method: peri	**Field Technician:**

Well Volume		
A. Well Depth (ft): 25.65	**D. Well Volume (ft):**	**Depth/Height of Top of PVC:**
B. Depth to Water (ft): 13.10	**E. Well Volume (gal) C*D):** 0	**Pump Type:**
C. Liquid Depth (ft) (A-B):	**F. Five Well Volumes (gal) (E3):** 0	**Pump Designation:**

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1507	13.10		.25	7.20	52	29.44	0.443	4.19	152
1510	13.11		—	7.33	52	25.01	0.466	4.27	160
1513	13.12		—	7.41	52	23.08	0.491	4.32	176
1516	13.12		—	7.50	45	21.07	0.509	4.51	161
1519	13.13		—	7.62	126	19.89	0.514	4.67	140
1522	13.13		—	7.00	124	20.00	0.518	4.65	136
1525	13.14		—	7.96	119	19.44	0.522	4.74	116
1528	13.14		—	5.94	114	19.25	0.524	4.74	101
1531	13.15		—	7.93	108	18.91	0.526	4.67	91.8
1534	13.15		—	6.09	109	18.73	0.528	5.24	88.7
1537									
1540									

Total Quantity of Water Removed (gal): _____ **Sampling Time:** _____
Samplers: _____ **Split Sample With:** _____
Sampling Date: _____ **Sample Type:** _____

COMMENTS AND OBSERVATIONS: Flush horiba @ 1537

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-1 (continued)	EA Personnel:	Client: NYSDEC
Location: Roxy Cleaners	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref:
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

Purge Date:	Purge Time:
Purge Method:	Field Technician:

Well Volume		
A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) C*D): 0	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3): 0	Pump Designation:

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1542	13.16		—	6.03	117	20.30	0.527	4.72	6.6
1545	13.16		—	6.07	116	19.19	0.528	4.78	6.7
1548	13.17		—	6.13	99	18.67	0.534	4.73	6.5
1551	13.17		—	6.16	96	18.52	0.535	4.74	6.1
1554	13.18		—	6.17	93	18.58	0.536	4.75	6.0

Total Quantity of Water Removed (gal): _____ Sampling Time: 1554
Samplers: _____ Split Sample With: _____
Sampling Date: _____ Sample Type: _____

COMMENTS AND OBSERVATIONS: Casing cover will not close, will tightly fill with dirt again

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: INJ-2	EA Personnel: MW	Client: NYSDEC
Location: Roxy Cleaners	Well Condition: Good	Weather: 90° Sun
Sounding Method: WLM	Gauge Date: 8/11/20	Measurement Ref:
Stick Up/Down (ft): Flush	Gauge Time: 1633	Well Diameter (in): 4

Purge Date: 8/11/20	Purge Time: 1648
Purge Method: per	Field Technician: MW

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 9.97	E. Well Volume (gal) C*D): 0	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3): 0	Pump Designation:

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperature (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1635	9.97		.3	4.55	-63	22.43	18.3	0.48	320
1638	9.97		—	4.54	-72	21.83	19.1	0.33	312
1641	9.98		—	4.51	-80	21.49	19.1	0.28	312
1644	9.98		—	4.49	-93	21.41	19.1	0.26	314
1647	9.99		—	4.45	-116	21.31	19.1	0.25	315
~~1650~~									
1655	9.99		—	4.39	-124	20.98	17.7	0.42	483
1654	10.01		—	4.41	-125	20.24	17.1	0.31	574
1701	10.01		—	4.47	-125	21.62	16.0	0.24	656
1704	10.02			4.41	-124	23.46	15.0	0.24	697
1707	10.02		—	4.40	-124	24.23	14.7	0.24	734
1710	10.02		—	4.41	-125	24.66	14.5	0.21	740

Total Quantity of Water Removed (gal): _____ Sampling Time: _____
Samplers: _____ Split Sample With: _____
Sampling Date: _____ Sample Type: _____

COMMENTS AND OBSERVATIONS: Bubble in water, smells bad

Flush horiba @ 1649, Turb issue

EA Engineering P.C. and its Affiliate
EA Science and Technology

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: INJ-2 continued	EA Personnel:	Client: NYSDEC
Location: Roxy Cleaners	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref:
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

Purge Date:	Purge Time:
Purge Method:	Field Technician:

Well Volume		
A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) C*D): 0	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Five Well Volumes (gal) (E3): 0	Pump Designation:

Water Quality Parameters

Time (hrs)	DTW (ft btoc)	Volume (liters)	Rate (Lpm)	pH (pH units)	ORP (mV)	Temperatur (oC)	Conductivity (uS/cm)	DO (ug/L)	Turbidity (ntu)
1713	10.02		—	4.42	-127	24.87	14.3	0.20	746
1716	10.02		—	4.43	-128	25.11	14.1	0.19	749
1719	10.03		—	4.47	-130	25.41	13.9	0.19	786
1722	10.04		—	4.49	-132	22.55	13.7	0.19	783
1725	10.04		—	4.52	-134	25.55	13.5	0.19	803

Total Quantity of Water Removed (gal): _____ Sampling Time: 1725
Samplers: _____ Split Sample With: _____
Sampling Date: _____ Sample Type: _____

COMMENTS AND OBSERVATIONS: _____

Appendix E

Laboratory Analytical Data, Form I's, Chain-of-Custody For Groundwater Sampling

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ANALYTICAL REPORT

Job Number: 480-173788-1

Job Description: Roxy Cleaners #442024

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, NY 12233-7014

Attention: Jenelle Gaylord

Approved for release.
Wyatt B Watson
Project Management Assistant I
8/25/2020 12:02 PM

Designee for
Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
Judy.Stone@Eurofinset.com
08/25/2020

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Job Narrative
480-173788-1

Receipt
The samples were received on 8/13/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4º C and 2.7º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: 442024-MW-103A (480-173788-24), 442024-MW-103A (480-173788-24[MS]) and 442024-MW-103A (480-173788-24[MSD]). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-545380 recovered above the upper control limit for 2-Hexanone, Cyclohexane, Chloromethane and 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 442024-TW-5 (480-173788-13), 442024-MW-107A (480-173788-14), 442024-INJ-1 (480-173788-15), 442024-MW-101A (480-173788-16), 442024-MW-105 (480-173788-17), 442024-MW-2B (480-173788-18), 442024-MW-2 (480-173788-19), 442024-MW-109 (480-173788-20), 442024-FB-08102020 (480-173788-23), 442024-MW-103A (480-173788-24), 442024-MW-105A (480-173788-25), 442024-FD-08102020 (480-173788-26) and 442024-MW-111 (480-173788-27).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-545380 recovered outside control limits for the following analyte: Dichlorodifluoromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: 442024-TW-5 (480-173788-13), 442024-MW-107A (480-173788-14), 442024-INJ-1 (480-173788-15), 442024-MW-101A (480-173788-16), 442024-MW-105 (480-173788-17), 442024-MW-2B (480-173788-18), 442024-MW-2 (480-173788-19), 442024-MW-109 (480-173788-20), 442024-FB-08102020 (480-173788-23), 442024-MW-103A (480-173788-24), 442024-MW-105A (480-173788-25), 442024-FD-08102020 (480-173788-26) and 442024-MW-111 (480-173788-27).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-545727 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 442024-INJ-3 (480-173788-1), 442024-MW-3B (480-173788-2), 442024-MW-3 (480-173788-3), 442024-MW-1B (480-173788-4), 442024-FB-08112020 (480-173788-5), 442024-MW-108 (480-173788-6), 442024-INJ-2 (480-173788-7), 442024-MW-1 (480-173788-8), 442024-MW-4B (480-173788-9), 442024-MW-104 (480-173788-10), 442024-MW-4 (480-173788-11), 442024-MW-108A (480-173788-12), 442024-FD-08112020 (480-173788-21), 442024-MW-106 (480-173788-22) and 442024-MW-106A (480-173788-28).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: 442024-INJ-3 (480-173788-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted due to the abundance of non-target analytes: 442024-INJ-2 (480-173788-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-545753 recovered above the upper control limit for 4-Methyl-2-pentanone (MIBK), Carbon disulfide, 2-Hexanone, Cyclohexane, and 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: 442024-TB-08112020 (480-173788-29).

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: 442024-INJ-3 (480-173788-1) and 442024-INJ-2 (480-173788-7). Sample pH is 4.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: New York State D.E.C.
Job ID: 480-173788-1
Project/Site: Roxy Cleaners #442024

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173788-1	442024-INJ-3	Water	08/11/20 17:28	08/13/20 10:00	
480-173788-2	442024-MW-3B	Water	08/11/20 12:11	08/13/20 10:00	
480-173788-3	442024-MW-3	Water	08/11/20 12:24	08/13/20 10:00	
480-173788-4	442024-MW-1B	Water	08/11/20 15:52	08/13/20 10:00	
480-173788-5	442024-FB-08112020	Water	08/11/20 17:30	08/13/20 10:00	
480-173788-6	442024-MW-108	Water	08/11/20 11:01	08/13/20 10:00	
480-173788-7	442024-INJ-2	Water	08/11/20 17:25	08/13/20 10:00	
480-173788-8	442024-MW-1	Water	08/11/20 15:54	08/13/20 10:00	
480-173788-9	442024-MW-4B	Water	08/11/20 13:20	08/13/20 10:00	
480-173788-10	442024-MW-104	Water	08/11/20 14:14	08/13/20 10:00	
480-173788-11	442024-MW-4	Water	08/11/20 13:05	08/13/20 10:00	
480-173788-12	442024-MW-108A	Water	08/11/20 10:58	08/13/20 10:00	
480-173788-13	442024-TW-5	Water	08/11/20 09:45	08/13/20 10:00	
480-173788-14	442024-MW-107A	Water	08/11/20 09:43	08/13/20 10:00	
480-173788-15	442024-INJ-1	Water	08/10/20 11:27	08/13/20 10:00	
480-173788-16	442024-MW-101A	Water	08/10/20 11:25	08/13/20 10:00	
480-173788-17	442024-MW-105	Water	08/10/20 13:58	08/13/20 10:00	
480-173788-18	442024-MW-2B	Water	08/10/20 16:01	08/13/20 10:00	
480-173788-19	442024-MW-2	Water	08/10/20 16:06	08/13/20 10:00	
480-173788-20	442024-MW-109	Water	08/10/20 15:02	08/13/20 10:00	
480-173788-21	442024-FD-08112020	Water	08/11/20 00:00	08/13/20 10:00	
480-173788-22	442024-MW-106	Water	08/11/20 08:29	08/13/20 10:00	
480-173788-23	442024-FB-08102020	Water	08/10/20 16:15	08/13/20 10:00	
480-173788-24	442024-MW-103A	Water	08/10/20 12:52	08/13/20 10:00	
480-173788-25	442024-MW-105A	Water	08/10/20 14:04	08/13/20 10:00	
480-173788-26	442024-FD-08102020	Water	08/10/20 00:00	08/13/20 10:00	
480-173788-27	442024-MW-111	Water	08/10/20 13:09	08/13/20 10:00	
480-173788-28	442024-MW-106A	Water	08/11/20 08:21	08/13/20 10:00	
480-173788-29	442024-TB-08112020	Water	08/11/20 00:00	08/13/20 10:00	

Detection Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173788-1

Client Sample ID: 442024-INJ-3 — Lab Sample ID: 480-173788-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5400		200	26	ug/L	20		8260C	Total/NA
Acetone	280		200	60	ug/L	20		8260C	Total/NA
Carbon disulfide	13	J	20	3.8	ug/L	20		8260C	Total/NA
Tetrachloroethene	120		20	7.2	ug/L	20		8260C	Total/NA
Trichloroethene	20		20	9.2	ug/L	20		8260C	Total/NA

Client Sample ID: 442024-MW-3B — Lab Sample ID: 480-173788-2

No Detections.

Client Sample ID: 442024-MW-3 — Lab Sample ID: 480-173788-3

No Detections.

Client Sample ID: 442024-MW-1B — Lab Sample ID: 480-173788-4

No Detections.

Client Sample ID: 442024-FB-08112020 — Lab Sample ID: 480-173788-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	20		10	3.0	ug/L	1		8260C	Total/NA
Benzene	0.47	J	1.0	0.41	ug/L	1		8260C	Total/NA
Toluene	7.4		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	4.3		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: 442024-MW-108 — Lab Sample ID: 480-173788-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.1		1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: 442024-INJ-2 — Lab Sample ID: 480-173788-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	90		20	3.8	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	190		20	16	ug/L	20		8260C	Total/NA
Trichloroethene	23		20	9.2	ug/L	20		8260C	Total/NA

Client Sample ID: 442024-MW-1 — Lab Sample ID: 480-173788-8

No Detections.

Client Sample ID: 442024-MW-4B — Lab Sample ID: 480-173788-9

No Detections.

Client Sample ID: 442024-MW-104 — Lab Sample ID: 480-173788-10

No Detections.

Client Sample ID: 442024-MW-4 — Lab Sample ID: 480-173788-11

No Detections.

Client Sample ID: 442024-MW-108A — Lab Sample ID: 480-173788-12

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173788-1

Client Sample ID: 442024-TW-5 — Lab Sample ID: 480-173788-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.6	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	28		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.3		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 442024-MW-107A — Lab Sample ID: 480-173788-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	13		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.4		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: 442024-INJ-1 — Lab Sample ID: 480-173788-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.4	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	4.8	J	10	3.0	ug/L	1		8260C	Total/NA
Carbon disulfide	0.62	J	1.0	0.19	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	44		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	14		1.0	0.36	ug/L	1		8260C	Total/NA
Toluene	0.75	J	1.0	0.51	ug/L	1		8260C	Total/NA
Trichloroethene	32		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	10		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: 442024-MW-101A — Lab Sample ID: 480-173788-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.2	J	10	3.0	ug/L	1		8260C	Total/NA
Carbon disulfide	0.30	J	1.0	0.19	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	8.0		1.0	0.81	ug/L	1		8260C	Total/NA
Toluene	0.89	J	1.0	0.51	ug/L	1		8260C	Total/NA
Vinyl chloride	1.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: 442024-MW-105 — Lab Sample ID: 480-173788-17

No Detections.

Client Sample ID: 442024-MW-2B — Lab Sample ID: 480-173788-18

No Detections.

Client Sample ID: 442024-MW-2 — Lab Sample ID: 480-173788-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.2		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	43		1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: 442024-MW-109 — Lab Sample ID: 480-173788-20

No Detections.

Client Sample ID: 442024-FD-08112020 — Lab Sample ID: 480-173788-21

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New York State D.E.C.
Job ID: 480-173788-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: 442024-MW-106 — Lab Sample ID: 480-173788-22

No Detections.

Client Sample ID: 442024-FB-08102020 — Lab Sample ID: 480-173788-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.9	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	29		10	3.0	ug/L	1		8260C	Total/NA
Benzene	0.59	J	1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	0.94	J	1.0	0.74	ug/L	1		8260C	Total/NA
Toluene	12		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	5.3		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: 442024-MW-103A — Lab Sample ID: 480-173788-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9.4		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	81	F1	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	4.2		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: 442024-MW-105A — Lab Sample ID: 480-173788-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	66		1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: 442024-FD-08102020 — Lab Sample ID: 480-173788-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.0		1.0	0.34	ug/L	1		8260C	Total/NA
Tetrachloroethene	4.0		1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: 442024-MW-111 — Lab Sample ID: 480-173788-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.1		1.0	0.34	ug/L	1		8260C	Total/NA
Tetrachloroethene	4.2		1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: 442024-MW-106A — Lab Sample ID: 480-173788-28

No Detections.

Client Sample ID: 442024-TB-08112020 — Lab Sample ID: 480-173788-29

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Job ID: 480-173788-1
Project/Site: Roxy Cleaners #442024

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample ID: 442024-INJ-3
Lab Sample ID: 480-173788-1

Date Collected: 08/11/20 17:28
Matrix: Water

Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			08/19/20 12:51	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			08/19/20 12:51	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			08/19/20 12:51	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			08/19/20 12:51	20
1,1-Dichloroethane	ND		20	7.6	ug/L			08/19/20 12:51	20
1,1-Dichloroethene	ND		20	5.8	ug/L			08/19/20 12:51	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			08/19/20 12:51	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			08/19/20 12:51	20
1,2-Dichlorobenzene	ND		20	16	ug/L			08/19/20 12:51	20
1,2-Dichloroethane	ND		20	4.2	ug/L			08/19/20 12:51	20
1,2-Dichloropropane	ND		20	14	ug/L			08/19/20 12:51	20
1,3-Dichlorobenzene	ND		20	16	ug/L			08/19/20 12:51	20
1,4-Dichlorobenzene	ND		20	17	ug/L			08/19/20 12:51	20
2-Butanone (MEK)	**5400**		200	26	ug/L			08/19/20 12:51	20
2-Hexanone	ND		100	25	ug/L			08/19/20 12:51	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			08/19/20 12:51	20
Acetone	**280**		200	60	ug/L			08/19/20 12:51	20
Benzene	ND		20	8.2	ug/L			08/19/20 12:51	20
Bromodichloromethane	ND		20	7.8	ug/L			08/19/20 12:51	20
Bromoform	ND		20	5.2	ug/L			08/19/20 12:51	20
Bromomethane	ND		20	14	ug/L			08/19/20 12:51	20
Carbon disulfide	**13**	**J**	20	3.8	ug/L			08/19/20 12:51	20
Carbon tetrachloride	ND		20	5.4	ug/L			08/19/20 12:51	20
Chlorobenzene	ND		20	15	ug/L			08/19/20 12:51	20
Dibromochloromethane	ND		20	6.4	ug/L			08/19/20 12:51	20
Chloroethane	ND		20	6.4	ug/L			08/19/20 12:51	20
Chloroform	ND		20	6.8	ug/L			08/19/20 12:51	20
Chloromethane	ND		20	7.0	ug/L			08/19/20 12:51	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			08/19/20 12:51	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			08/19/20 12:51	20
Cyclohexane	ND		20	3.6	ug/L			08/19/20 12:51	20
Dichlorodifluoromethane	ND		20	14	ug/L			08/19/20 12:51	20
Ethylbenzene	ND		20	15	ug/L			08/19/20 12:51	20
1,2-Dibromoethane	ND		20	15	ug/L			08/19/20 12:51	20
Isopropylbenzene	ND		20	16	ug/L			08/19/20 12:51	20
Methyl acetate	ND		50	26	ug/L			08/19/20 12:51	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			08/19/20 12:51	20
Methylcyclohexane	ND		20	3.2	ug/L			08/19/20 12:51	20
Methylene Chloride	ND		20	8.8	ug/L			08/19/20 12:51	20
Styrene	ND		20	15	ug/L			08/19/20 12:51	20
Tetrachloroethene	**120**		20	7.2	ug/L			08/19/20 12:51	20
Toluene	ND		20	10	ug/L			08/19/20 12:51	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			08/19/20 12:51	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			08/19/20 12:51	20
Trichloroethene	**20**		20	9.2	ug/L			08/19/20 12:51	20
Trichlorofluoromethane	ND		20	18	ug/L			08/19/20 12:51	20
Vinyl chloride	ND		20	18	ug/L			08/19/20 12:51	20
Xylenes, Total	ND		40	13	ug/L			08/19/20 12:51	20

Client Sample ID: 442024-INJ-3
Lab Sample ID: 480-173788-1

Date Collected: 08/11/20 17:28
Matrix: Water
Date Received: 08/13/20 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/19/20 12:51*	*20*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*08/19/20 12:51*	*20*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*08/19/20 12:51*	*20*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*08/19/20 12:51*	*20*

Client Sample ID: 442024-MW-3B
Lab Sample ID: 480-173788-2

Date Collected: 08/11/20 12:11
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 13:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 13:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 13:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 13:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 13:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 13:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 13:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 13:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 13:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 13:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 13:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 13:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 13:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 13:14	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 13:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 13:14	1
Acetone	ND		10	3.0	ug/L			08/19/20 13:14	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 13:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 13:14	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 13:14	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 13:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 13:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 13:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 13:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 13:14	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 13:14	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 13:14	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 13:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 13:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 13:14	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 13:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 13:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 13:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 13:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 13:14	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 13:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 13:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 13:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 13:14	1

Client Sample ID: 442024-MW-3B
Lab Sample ID: 480-173788-2

Date Collected: 08/11/20 12:11
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			08/19/20 13:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 13:14	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 13:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 13:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 13:14	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 13:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 13:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 13:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/19/20 13:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/19/20 13:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*08/19/20 13:14*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*08/19/20 13:14*	*1*

Client Sample ID: 442024-MW-3
Lab Sample ID: 480-173788-3

Date Collected: 08/11/20 12:24
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 13:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 13:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 13:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 13:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 13:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 13:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 13:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 13:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 13:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 13:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 13:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 13:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 13:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 13:37	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 13:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 13:37	1
Acetone	ND		10	3.0	ug/L			08/19/20 13:37	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 13:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 13:37	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 13:37	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 13:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 13:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 13:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 13:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 13:37	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 13:37	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 13:37	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 13:37	1

Client Sample ID: 442024-MW-3
Lab Sample ID: 480-173788-3

Date Collected: 08/11/20 12:24
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 13:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 13:37	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 13:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 13:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 13:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 13:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 13:37	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 13:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 13:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 13:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 13:37	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 13:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 13:37	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 13:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 13:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 13:37	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 13:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 13:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 13:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/19/20 13:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/19/20 13:37*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/19/20 13:37*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*08/19/20 13:37*	*1*

Client Sample ID: 442024-MW-1B
Lab Sample ID: 480-173788-4

Date Collected: 08/11/20 15:52
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 14:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 14:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 14:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 14:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 14:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 14:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 14:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 14:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 14:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 14:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 14:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 14:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 14:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 14:00	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 14:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 14:00	1
Acetone	ND		10	3.0	ug/L			08/19/20 14:00	1

Client Sample ID: 442024-MW-1B
Lab Sample ID: 480-173788-4

Date Collected: 08/11/20 15:52
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/19/20 14:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 14:00	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 14:00	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 14:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 14:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 14:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 14:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 14:00	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 14:00	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 14:00	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 14:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 14:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 14:00	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 14:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 14:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 14:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 14:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 14:00	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 14:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 14:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 14:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 14:00	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 14:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 14:00	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 14:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 14:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 14:00	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 14:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 14:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 14:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/19/20 14:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/19/20 14:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*08/19/20 14:00*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*08/19/20 14:00*	*1*

Client Sample ID: 442024-FB-08112020
Lab Sample ID: 480-173788-5

Date Collected: 08/11/20 17:30
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 14:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 14:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 14:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 14:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 14:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 14:23	1

Client Sample ID: 442024-FB-08112020
Lab Sample ID: 480-173788-5

Date Collected: 08/11/20 17:30
Matrix: Water

Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 14:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 14:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 14:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 14:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 14:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 14:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 14:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 14:23	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 14:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 14:23	1
Acetone	**20**		10	3.0	ug/L			08/19/20 14:23	1
Benzene	**0.47**	**J**	1.0	0.41	ug/L			08/19/20 14:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 14:23	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 14:23	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 14:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 14:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 14:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 14:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 14:23	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 14:23	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 14:23	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 14:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 14:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 14:23	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 14:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 14:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 14:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 14:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 14:23	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 14:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 14:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 14:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 14:23	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 14:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 14:23	1
Toluene	**7.4**		1.0	0.51	ug/L			08/19/20 14:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 14:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 14:23	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 14:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 14:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 14:23	1
Xylenes, Total	**4.3**		2.0	0.66	ug/L			08/19/20 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/19/20 14:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*08/19/20 14:23*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*08/19/20 14:23*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*08/19/20 14:23*	*1*

Client Sample ID: 442024-MW-108
Lab Sample ID: 480-173788-6

Date Collected: 08/11/20 11:01
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 14:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 14:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 14:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 14:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 14:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 14:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 14:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 14:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 14:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 14:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 14:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 14:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 14:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 14:46	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 14:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 14:46	1
Acetone	ND		10	3.0	ug/L			08/19/20 14:46	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 14:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 14:46	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 14:46	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 14:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 14:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 14:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 14:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 14:46	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 14:46	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 14:46	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 14:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 14:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 14:46	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 14:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 14:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 14:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 14:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 14:46	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 14:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 14:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 14:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 14:46	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 14:46	1
Tetrachloroethene	**1.1**		1.0	0.36	ug/L			08/19/20 14:46	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 14:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 14:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 14:46	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 14:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 14:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 14:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 14:46	1

Client Sample ID: 442024-MW-108
Lab Sample ID: 480-173788-6

Date Collected: 08/11/20 11:01
Matrix: Water
Date Received: 08/13/20 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/19/20 14:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*08/19/20 14:46*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*08/19/20 14:46*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*08/19/20 14:46*	*1*

Client Sample ID: 442024-INJ-2
Lab Sample ID: 480-173788-7

Date Collected: 08/11/20 17:25
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			08/19/20 15:09	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			08/19/20 15:09	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			08/19/20 15:09	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			08/19/20 15:09	20
1,1-Dichloroethane	ND		20	7.6	ug/L			08/19/20 15:09	20
1,1-Dichloroethene	ND		20	5.8	ug/L			08/19/20 15:09	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			08/19/20 15:09	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			08/19/20 15:09	20
1,2-Dichlorobenzene	ND		20	16	ug/L			08/19/20 15:09	20
1,2-Dichloroethane	ND		20	4.2	ug/L			08/19/20 15:09	20
1,2-Dichloropropane	ND		20	14	ug/L			08/19/20 15:09	20
1,3-Dichlorobenzene	ND		20	16	ug/L			08/19/20 15:09	20
1,4-Dichlorobenzene	ND		20	17	ug/L			08/19/20 15:09	20
2-Butanone (MEK)	ND		200	26	ug/L			08/19/20 15:09	20
2-Hexanone	ND		100	25	ug/L			08/19/20 15:09	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			08/19/20 15:09	20
Acetone	ND		200	60	ug/L			08/19/20 15:09	20
Benzene	ND		20	8.2	ug/L			08/19/20 15:09	20
Bromodichloromethane	ND		20	7.8	ug/L			08/19/20 15:09	20
Bromoform	ND		20	5.2	ug/L			08/19/20 15:09	20
Bromomethane	ND		20	14	ug/L			08/19/20 15:09	20
Carbon disulfide	**90**		20	3.8	ug/L			08/19/20 15:09	20
Carbon tetrachloride	ND		20	5.4	ug/L			08/19/20 15:09	20
Chlorobenzene	ND		20	15	ug/L			08/19/20 15:09	20
Dibromochloromethane	ND		20	6.4	ug/L			08/19/20 15:09	20
Chloroethane	ND		20	6.4	ug/L			08/19/20 15:09	20
Chloroform	ND		20	6.8	ug/L			08/19/20 15:09	20
Chloromethane	ND		20	7.0	ug/L			08/19/20 15:09	20
cis-1,2-Dichloroethene	**190**		20	16	ug/L			08/19/20 15:09	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			08/19/20 15:09	20
Cyclohexane	ND		20	3.6	ug/L			08/19/20 15:09	20
Dichlorodifluoromethane	ND		20	14	ug/L			08/19/20 15:09	20
Ethylbenzene	ND		20	15	ug/L			08/19/20 15:09	20
1,2-Dibromoethane	ND		20	15	ug/L			08/19/20 15:09	20
Isopropylbenzene	ND		20	16	ug/L			08/19/20 15:09	20
Methyl acetate	ND		50	26	ug/L			08/19/20 15:09	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			08/19/20 15:09	20
Methylcyclohexane	ND		20	3.2	ug/L			08/19/20 15:09	20
Methylene Chloride	ND		20	8.8	ug/L			08/19/20 15:09	20

Client Sample ID: 442024-INJ-2
Lab Sample ID: 480-173788-7

Date Collected: 08/11/20 17:25
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		20	15	ug/L			08/19/20 15:09	20
Tetrachloroethene	ND		20	7.2	ug/L			08/19/20 15:09	20
Toluene	ND		20	10	ug/L			08/19/20 15:09	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			08/19/20 15:09	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			08/19/20 15:09	20
Trichloroethene	**23**		20	9.2	ug/L			08/19/20 15:09	20
Trichlorofluoromethane	ND		20	18	ug/L			08/19/20 15:09	20
Vinyl chloride	ND		20	18	ug/L			08/19/20 15:09	20
Xylenes, Total	ND		40	13	ug/L			08/19/20 15:09	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/19/20 15:09*	*20*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*08/19/20 15:09*	*20*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*08/19/20 15:09*	*20*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*08/19/20 15:09*	*20*

Client Sample ID: 442024-MW-1
Lab Sample ID: 480-173788-8

Date Collected: 08/11/20 15:54
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 15:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 15:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 15:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 15:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 15:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 15:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 15:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 15:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 15:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 15:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 15:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 15:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 15:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 15:32	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 15:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 15:32	1
Acetone	ND		10	3.0	ug/L			08/19/20 15:32	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 15:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 15:32	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 15:32	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 15:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 15:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 15:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 15:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 15:32	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 15:32	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 15:32	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 15:32	1

Client Sample ID: 442024-MW-1
Lab Sample ID: 480-173788-8

Date Collected: 08/11/20 15:54
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 15:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 15:32	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 15:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 15:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 15:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 15:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 15:32	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 15:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 15:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 15:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 15:32	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 15:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 15:32	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 15:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 15:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 15:32	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 15:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 15:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 15:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/19/20 15:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/19/20 15:32*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*08/19/20 15:32*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*08/19/20 15:32*	*1*

Client Sample ID: 442024-MW-4B
Lab Sample ID: 480-173788-9

Date Collected: 08/11/20 13:20
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 15:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 15:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 15:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 15:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 15:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 15:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 15:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 15:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 15:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 15:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 15:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 15:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 15:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 15:55	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 15:55	1
Acetone	ND		10	3.0	ug/L			08/19/20 15:55	1

Client Sample ID: 442024-MW-4B
Lab Sample ID: 480-173788-9

Date Collected: 08/11/20 13:20
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/19/20 15:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 15:55	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 15:55	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 15:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 15:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 15:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 15:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 15:55	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 15:55	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 15:55	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 15:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 15:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 15:55	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 15:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 15:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 15:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 15:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 15:55	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 15:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 15:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 15:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 15:55	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 15:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 15:55	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 15:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 15:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 15:55	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 15:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 15:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 15:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/19/20 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*08/19/20 15:55*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/19/20 15:55*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*08/19/20 15:55*	*1*

Client Sample ID: 442024-MW-104
Lab Sample ID: 480-173788-10

Date Collected: 08/11/20 14:14
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 16:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 16:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 16:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 16:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 16:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 16:18	1

Client Sample ID: 442024-MW-104
Lab Sample ID: 480-173788-10

Date Collected: 08/11/20 14:14
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 16:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 16:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 16:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 16:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 16:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 16:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 16:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 16:18	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 16:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 16:18	1
Acetone	ND		10	3.0	ug/L			08/19/20 16:18	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 16:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 16:18	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 16:18	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 16:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 16:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 16:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 16:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 16:18	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 16:18	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 16:18	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 16:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 16:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 16:18	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 16:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 16:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 16:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 16:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 16:18	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 16:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 16:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 16:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 16:18	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 16:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 16:18	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 16:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 16:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 16:18	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 16:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 16:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 16:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/19/20 16:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*08/19/20 16:18*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*08/19/20 16:18*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*08/19/20 16:18*	*1*

Client Sample ID: 442024-MW-4
Lab Sample ID: 480-173788-11

Date Collected: 08/11/20 13:05
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 16:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 16:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 16:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 16:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 16:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 16:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 16:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 16:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 16:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 16:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 16:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 16:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 16:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 16:41	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 16:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 16:41	1
Acetone	ND		10	3.0	ug/L			08/19/20 16:41	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 16:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 16:41	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 16:41	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 16:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 16:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 16:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 16:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 16:41	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 16:41	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 16:41	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 16:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 16:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 16:41	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 16:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 16:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 16:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 16:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 16:41	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 16:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 16:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 16:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 16:41	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 16:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 16:41	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 16:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 16:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 16:41	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 16:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 16:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 16:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 16:41	1

Client Sample ID: 442024-MW-4
Lab Sample ID: 480-173788-11

Date Collected: 08/11/20 13:05
Matrix: Water
Date Received: 08/13/20 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/19/20 16:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/19/20 16:41*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*08/19/20 16:41*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*08/19/20 16:41*	*1*

Client Sample ID: 442024-MW-108A
Lab Sample ID: 480-173788-12

Date Collected: 08/11/20 10:58
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 17:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 17:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 17:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 17:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 17:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 17:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 17:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 17:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 17:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 17:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 17:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 17:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 17:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 17:04	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 17:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 17:04	1
Acetone	ND		10	3.0	ug/L			08/19/20 17:04	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 17:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 17:04	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 17:04	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 17:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 17:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 17:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 17:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 17:04	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 17:04	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 17:04	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 17:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 17:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 17:04	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 17:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 17:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 17:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 17:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 17:04	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 17:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 17:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 17:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 17:04	1

Client Sample ID: 442024-MW-108A
Lab Sample ID: 480-173788-12
Date Collected: 08/11/20 10:58
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			08/19/20 17:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 17:04	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 17:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 17:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 17:04	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 17:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 17:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 17:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/19/20 17:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*08/19/20 17:04*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*08/19/20 17:04*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*08/19/20 17:04*	*1*

Client Sample ID: 442024-TW-5
Lab Sample ID: 480-173788-13
Date Collected: 08/11/20 09:45
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 13:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 13:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 13:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 13:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 13:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 13:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 13:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 13:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 13:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 13:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 13:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 13:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 13:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/17/20 13:28	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 13:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 13:28	1
Acetone	**4.6**	**J**	10	3.0	ug/L			08/17/20 13:28	1
Benzene	ND		1.0	0.41	ug/L			08/17/20 13:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 13:28	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 13:28	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 13:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/17/20 13:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 13:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 13:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 13:28	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 13:28	1
Chloroform	ND		1.0	0.34	ug/L			08/17/20 13:28	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 13:28	1

Client Sample ID: 442024-TW-5
Lab Sample ID: 480-173788-13
Date Collected: 08/11/20 09:45
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**1.2**		1.0	0.81	ug/L			08/17/20 13:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 13:28	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 13:28	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/17/20 13:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/17/20 13:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 13:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 13:28	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 13:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 13:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 13:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 13:28	1
Styrene	ND		1.0	0.73	ug/L			08/17/20 13:28	1
Tetrachloroethene	**28**		1.0	0.36	ug/L			08/17/20 13:28	1
Toluene	ND		1.0	0.51	ug/L			08/17/20 13:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 13:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 13:28	1
Trichloroethene	**2.3**		1.0	0.46	ug/L			08/17/20 13:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 13:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/17/20 13:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/17/20 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/17/20 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*08/17/20 13:28*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*08/17/20 13:28*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*08/17/20 13:28*	*1*

Client Sample ID: 442024-MW-107A
Lab Sample ID: 480-173788-14
Date Collected: 08/11/20 09:43
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 13:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 13:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 13:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 13:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 13:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 13:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 13:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 13:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 13:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 13:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 13:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 13:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 13:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/17/20 13:52	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 13:52	1
Acetone	ND		10	3.0	ug/L			08/17/20 13:52	1

Client Sample ID: 442024-MW-107A
Lab Sample ID: 480-173788-14
Date Collected: 08/11/20 09:43
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/17/20 13:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 13:52	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 13:52	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 13:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/17/20 13:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 13:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 13:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 13:52	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 13:52	1
Chloroform	ND		1.0	0.34	ug/L			08/17/20 13:52	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 13:52	1
cis-1,2-Dichloroethene	**1.3**		1.0	0.81	ug/L			08/17/20 13:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 13:52	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 13:52	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/17/20 13:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/17/20 13:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 13:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 13:52	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 13:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 13:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 13:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 13:52	1
Styrene	ND		1.0	0.73	ug/L			08/17/20 13:52	1
Tetrachloroethene	**13**		1.0	0.36	ug/L			08/17/20 13:52	1
Toluene	ND		1.0	0.51	ug/L			08/17/20 13:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 13:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 13:52	1
Trichloroethene	**1.4**		1.0	0.46	ug/L			08/17/20 13:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 13:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/17/20 13:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/17/20 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/17/20 13:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*08/17/20 13:52*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*08/17/20 13:52*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*08/17/20 13:52*	*1*

Client Sample ID: 442024-INJ-1
Lab Sample ID: 480-173788-15
Date Collected: 08/10/20 11:27
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 14:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 14:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 14:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 14:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 14:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 14:16	1

Client Sample ID: 442024-INJ-1
Lab Sample ID: 480-173788-15

Date Collected: 08/10/20 11:27
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 14:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 14:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 14:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 14:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 14:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 14:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 14:16	1
2-Butanone (MEK)	**5.4**	**J**	10	1.3	ug/L			08/17/20 14:16	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 14:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 14:16	1
Acetone	**4.8**	**J**	10	3.0	ug/L			08/17/20 14:16	1
Benzene	ND		1.0	0.41	ug/L			08/17/20 14:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 14:16	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 14:16	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 14:16	1
Carbon disulfide	**0.62**	**J**	1.0	0.19	ug/L			08/17/20 14:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 14:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 14:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 14:16	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 14:16	1
Chloroform	ND		1.0	0.34	ug/L			08/17/20 14:16	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 14:16	1
cis-1,2-Dichloroethene	**44**		1.0	0.81	ug/L			08/17/20 14:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 14:16	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 14:16	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/17/20 14:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/17/20 14:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 14:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 14:16	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 14:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 14:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 14:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 14:16	1
Styrene	ND		1.0	0.73	ug/L			08/17/20 14:16	1
Tetrachloroethene	**14**		1.0	0.36	ug/L			08/17/20 14:16	1
Toluene	**0.75**	**J**	1.0	0.51	ug/L			08/17/20 14:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 14:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 14:16	1
Trichloroethene	**32**		1.0	0.46	ug/L			08/17/20 14:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 14:16	1
Vinyl chloride	**10**		1.0	0.90	ug/L			08/17/20 14:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/17/20 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/17/20 14:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*08/17/20 14:16*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*08/17/20 14:16*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*08/17/20 14:16*	*1*

Client Sample ID: 442024-MW-101A
Lab Sample ID: 480-173788-16

Date Collected: 08/10/20 11:25
Matrix: Water

Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 14:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 14:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 14:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 14:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 14:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 14:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 14:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 14:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 14:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 14:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 14:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 14:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 14:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/17/20 14:40	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 14:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 14:40	1
Acetone	**3.2**	**J**	10	3.0	ug/L			08/17/20 14:40	1
Benzene	ND		1.0	0.41	ug/L			08/17/20 14:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 14:40	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 14:40	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 14:40	1
Carbon disulfide	**0.30**	**J**	1.0	0.19	ug/L			08/17/20 14:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 14:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 14:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 14:40	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 14:40	1
Chloroform	ND		1.0	0.34	ug/L			08/17/20 14:40	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 14:40	1
cis-1,2-Dichloroethene	**8.0**		1.0	0.81	ug/L			08/17/20 14:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 14:40	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 14:40	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/17/20 14:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/17/20 14:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 14:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 14:40	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 14:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 14:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 14:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 14:40	1
Styrene	ND		1.0	0.73	ug/L			08/17/20 14:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/17/20 14:40	1
Toluene	**0.89**	**J**	1.0	0.51	ug/L			08/17/20 14:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 14:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 14:40	1
Trichloroethene	ND		1.0	0.46	ug/L			08/17/20 14:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 14:40	1
Vinyl chloride	**1.6**		1.0	0.90	ug/L			08/17/20 14:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/17/20 14:40	1

Client Sample ID: 442024-MW-101A
Lab Sample ID: 480-173788-16

Date Collected: 08/10/20 11:25
Matrix: Water
Date Received: 08/13/20 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/17/20 14:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*08/17/20 14:40*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*08/17/20 14:40*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*08/17/20 14:40*	*1*

Client Sample ID: 442024-MW-105
Lab Sample ID: 480-173788-17

Date Collected: 08/10/20 13:58
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 15:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 15:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 15:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 15:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 15:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 15:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 15:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 15:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 15:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 15:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 15:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 15:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 15:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/17/20 15:03	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 15:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 15:03	1
Acetone	ND		10	3.0	ug/L			08/17/20 15:03	1
Benzene	ND		1.0	0.41	ug/L			08/17/20 15:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 15:03	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 15:03	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 15:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/17/20 15:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 15:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 15:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 15:03	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 15:03	1
Chloroform	ND		1.0	0.34	ug/L			08/17/20 15:03	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 15:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/17/20 15:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 15:03	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 15:03	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/17/20 15:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/17/20 15:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 15:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 15:03	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 15:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 15:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 15:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 15:03	1

Client Sample ID: 442024-MW-105
Lab Sample ID: 480-173788-17

Date Collected: 08/10/20 13:58
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			08/17/20 15:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/17/20 15:03	1
Toluene	ND		1.0	0.51	ug/L			08/17/20 15:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 15:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 15:03	1
Trichloroethene	ND		1.0	0.46	ug/L			08/17/20 15:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 15:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/17/20 15:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/17/20 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/17/20 15:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*08/17/20 15:03*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*08/17/20 15:03*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*08/17/20 15:03*	*1*

Client Sample ID: 442024-MW-2B
Lab Sample ID: 480-173788-18

Date Collected: 08/10/20 16:01
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 15:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 15:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 15:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 15:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 15:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 15:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 15:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 15:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 15:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 15:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 15:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 15:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 15:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/17/20 15:27	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 15:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 15:27	1
Acetone	ND		10	3.0	ug/L			08/17/20 15:27	1
Benzene	ND		1.0	0.41	ug/L			08/17/20 15:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 15:27	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 15:27	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 15:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/17/20 15:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 15:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 15:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 15:27	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 15:27	1
Chloroform	ND		1.0	0.34	ug/L			08/17/20 15:27	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 15:27	1

Client Sample ID: 442024-MW-2B
Lab Sample ID: 480-173788-18

Date Collected: 08/10/20 16:01
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/17/20 15:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 15:27	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 15:27	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/17/20 15:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/17/20 15:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 15:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 15:27	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 15:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 15:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 15:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 15:27	1
Styrene	ND		1.0	0.73	ug/L			08/17/20 15:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/17/20 15:27	1
Toluene	ND		1.0	0.51	ug/L			08/17/20 15:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 15:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 15:27	1
Trichloroethene	ND		1.0	0.46	ug/L			08/17/20 15:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 15:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/17/20 15:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/17/20 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/17/20 15:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*08/17/20 15:27*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*08/17/20 15:27*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*08/17/20 15:27*	*1*

Client Sample ID: 442024-MW-2
Lab Sample ID: 480-173788-19

Date Collected: 08/10/20 16:06
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 15:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 15:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 15:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 15:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 15:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 15:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 15:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 15:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 15:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 15:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 15:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 15:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 15:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/17/20 15:51	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 15:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 15:51	1
Acetone	ND		10	3.0	ug/L			08/17/20 15:51	1

Client Sample ID: 442024-MW-2
Lab Sample ID: 480-173788-19

Date Collected: 08/10/20 16:06
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/17/20 15:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 15:51	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 15:51	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 15:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/17/20 15:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 15:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 15:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 15:51	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 15:51	1
Chloroform	ND		1.0	0.34	ug/L			08/17/20 15:51	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 15:51	1
cis-1,2-Dichloroethene	**5.2**		1.0	0.81	ug/L			08/17/20 15:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 15:51	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 15:51	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/17/20 15:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/17/20 15:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 15:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 15:51	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 15:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 15:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 15:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 15:51	1
Styrene	ND		1.0	0.73	ug/L			08/17/20 15:51	1
Tetrachloroethene	**43**		1.0	0.36	ug/L			08/17/20 15:51	1
Toluene	ND		1.0	0.51	ug/L			08/17/20 15:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 15:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 15:51	1
Trichloroethene	ND		1.0	0.46	ug/L			08/17/20 15:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 15:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/17/20 15:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/17/20 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/17/20 15:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*08/17/20 15:51*	*1*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*08/17/20 15:51*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*08/17/20 15:51*	*1*

Client Sample ID: 442024-MW-109
Lab Sample ID: 480-173788-20

Date Collected: 08/10/20 15:02
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 16:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 16:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 16:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 16:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 16:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 16:15	1

Client Sample ID: 442024-MW-109
Lab Sample ID: 480-173788-20

Date Collected: 08/10/20 15:02
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 16:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 16:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 16:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 16:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 16:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 16:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 16:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/17/20 16:15	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 16:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 16:15	1
Acetone	ND		10	3.0	ug/L			08/17/20 16:15	1
Benzene	ND		1.0	0.41	ug/L			08/17/20 16:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 16:15	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 16:15	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 16:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/17/20 16:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 16:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 16:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 16:15	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 16:15	1
Chloroform	ND		1.0	0.34	ug/L			08/17/20 16:15	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 16:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/17/20 16:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 16:15	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 16:15	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/17/20 16:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/17/20 16:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 16:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 16:15	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 16:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 16:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 16:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 16:15	1
Styrene	ND		1.0	0.73	ug/L			08/17/20 16:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/17/20 16:15	1
Toluene	ND		1.0	0.51	ug/L			08/17/20 16:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 16:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 16:15	1
Trichloroethene	ND		1.0	0.46	ug/L			08/17/20 16:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 16:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/17/20 16:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/17/20 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*84*		*80 - 120*		*08/17/20 16:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*08/17/20 16:15*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*08/17/20 16:15*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*08/17/20 16:15*	*1*

Client Sample ID: 442024-FD-08112020
Lab Sample ID: 480-173788-21

Date Collected: 08/11/20 00:00
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 17:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 17:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 17:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 17:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 17:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 17:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 17:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 17:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 17:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 17:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 17:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 17:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 17:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 17:27	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 17:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 17:27	1
Acetone	ND		10	3.0	ug/L			08/19/20 17:27	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 17:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 17:27	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 17:27	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 17:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 17:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 17:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 17:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 17:27	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 17:27	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 17:27	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 17:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 17:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 17:27	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 17:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 17:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 17:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 17:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 17:27	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 17:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 17:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 17:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 17:27	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 17:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 17:27	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 17:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 17:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 17:27	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 17:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 17:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 17:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 17:27	1

Client Sample ID: 442024-FD-08112020
Lab Sample ID: 480-173788-21

Date Collected: 08/11/20 00:00
Matrix: Water
Date Received: 08/13/20 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/19/20 17:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/19/20 17:27*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*08/19/20 17:27*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*08/19/20 17:27*	*1*

Client Sample ID: 442024-MW-106
Lab Sample ID: 480-173788-22

Date Collected: 08/11/20 08:29
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 17:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 17:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 17:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 17:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 17:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 17:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 17:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 17:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 17:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 17:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 17:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 17:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 17:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 17:50	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 17:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 17:50	1
Acetone	ND		10	3.0	ug/L			08/19/20 17:50	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 17:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 17:50	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 17:50	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 17:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 17:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 17:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 17:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 17:50	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 17:50	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 17:50	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 17:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 17:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 17:50	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 17:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 17:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 17:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 17:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 17:50	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 17:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 17:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 17:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 17:50	1

Client Sample ID: 442024-MW-106
Lab Sample ID: 480-173788-22

Date Collected: 08/11/20 08:29
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			08/19/20 17:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 17:50	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 17:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 17:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 17:50	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 17:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 17:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 17:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/19/20 17:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*08/19/20 17:50*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*08/19/20 17:50*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*08/19/20 17:50*	*1*

Client Sample ID: 442024-FB-08102020
Lab Sample ID: 480-173788-23

Date Collected: 08/10/20 16:15
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 16:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 16:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 16:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 16:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 16:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 16:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 16:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 16:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 16:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 16:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 16:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 16:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 16:40	1
2-Butanone (MEK)	**1.9**	**J**	10	1.3	ug/L			08/17/20 16:40	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 16:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 16:40	1
Acetone	**29**		10	3.0	ug/L			08/17/20 16:40	1
Benzene	**0.59**	**J**	1.0	0.41	ug/L			08/17/20 16:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 16:40	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 16:40	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 16:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/17/20 16:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 16:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 16:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 16:40	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 16:40	1
Chloroform	ND		1.0	0.34	ug/L			08/17/20 16:40	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 16:40	1

Client Sample ID: 442024-FB-08102020
Lab Sample ID: 480-173788-23

Date Collected: 08/10/20 16:15
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/17/20 16:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 16:40	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 16:40	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/17/20 16:40	1
Ethylbenzene	**0.94**	**J**	1.0	0.74	ug/L			08/17/20 16:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 16:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 16:40	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 16:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 16:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 16:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 16:40	1
Styrene	ND		1.0	0.73	ug/L			08/17/20 16:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/17/20 16:40	1
Toluene	**12**		1.0	0.51	ug/L			08/17/20 16:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 16:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 16:40	1
Trichloroethene	ND		1.0	0.46	ug/L			08/17/20 16:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 16:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/17/20 16:40	1
Xylenes, Total	**5.3**		2.0	0.66	ug/L			08/17/20 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/17/20 16:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*08/17/20 16:40*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*08/17/20 16:40*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*08/17/20 16:40*	*1*

Client Sample ID: 442024-MW-103A
Lab Sample ID: 480-173788-24

Date Collected: 08/10/20 12:52
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			08/17/20 17:04	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			08/17/20 17:04	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			08/17/20 17:04	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			08/17/20 17:04	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			08/17/20 17:04	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			08/17/20 17:04	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			08/17/20 17:04	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			08/17/20 17:04	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			08/17/20 17:04	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			08/17/20 17:04	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			08/17/20 17:04	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			08/17/20 17:04	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			08/17/20 17:04	2
2-Butanone (MEK)	ND		20	2.6	ug/L			08/17/20 17:04	2
2-Hexanone	ND		10	2.5	ug/L			08/17/20 17:04	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			08/17/20 17:04	2
Acetone	ND		20	6.0	ug/L			08/17/20 17:04	2

Client Sample ID: 442024-MW-103A
Lab Sample ID: 480-173788-24
Date Collected: 08/10/20 12:52
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.82	ug/L			08/17/20 17:04	2
Bromodichloromethane	ND		2.0	0.78	ug/L			08/17/20 17:04	2
Bromoform	ND		2.0	0.52	ug/L			08/17/20 17:04	2
Bromomethane	ND		2.0	1.4	ug/L			08/17/20 17:04	2
Carbon disulfide	ND		2.0	0.38	ug/L			08/17/20 17:04	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			08/17/20 17:04	2
Chlorobenzene	ND		2.0	1.5	ug/L			08/17/20 17:04	2
Dibromochloromethane	ND		2.0	0.64	ug/L			08/17/20 17:04	2
Chloroethane	ND		2.0	0.64	ug/L			08/17/20 17:04	2
Chloroform	ND		2.0	0.68	ug/L			08/17/20 17:04	2
Chloromethane	ND		2.0	0.70	ug/L			08/17/20 17:04	2
cis-1,2-Dichloroethene	**9.4**		2.0	1.6	ug/L			08/17/20 17:04	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			08/17/20 17:04	2
Cyclohexane	ND		2.0	0.36	ug/L			08/17/20 17:04	2
Dichlorodifluoromethane	ND	*	2.0	1.4	ug/L			08/17/20 17:04	2
Ethylbenzene	ND		2.0	1.5	ug/L			08/17/20 17:04	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			08/17/20 17:04	2
Isopropylbenzene	ND		2.0	1.6	ug/L			08/17/20 17:04	2
Methyl acetate	ND		5.0	2.6	ug/L			08/17/20 17:04	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			08/17/20 17:04	2
Methylcyclohexane	ND		2.0	0.32	ug/L			08/17/20 17:04	2
Methylene Chloride	ND		2.0	0.88	ug/L			08/17/20 17:04	2
Styrene	ND		2.0	1.5	ug/L			08/17/20 17:04	2
Tetrachloroethene	**81**	**F1**	2.0	0.72	ug/L			08/17/20 17:04	2
Toluene	ND		2.0	1.0	ug/L			08/17/20 17:04	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			08/17/20 17:04	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			08/17/20 17:04	2
Trichloroethene	**4.2**		2.0	0.92	ug/L			08/17/20 17:04	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			08/17/20 17:04	2
Vinyl chloride	ND		2.0	1.8	ug/L			08/17/20 17:04	2
Xylenes, Total	ND		4.0	1.3	ug/L			08/17/20 17:04	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/17/20 17:04*	*2*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*08/17/20 17:04*	*2*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*08/17/20 17:04*	*2*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*08/17/20 17:04*	*2*

Client Sample ID: 442024-MW-105A
Lab Sample ID: 480-173788-25
Date Collected: 08/10/20 14:04
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 17:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 17:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 17:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 17:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 17:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 17:28	1

Client Sample ID: 442024-MW-105A
Lab Sample ID: 480-173788-25

Date Collected: 08/10/20 14:04
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 17:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 17:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 17:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 17:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 17:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 17:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 17:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/17/20 17:28	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 17:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 17:28	1
Acetone	ND		10	3.0	ug/L			08/17/20 17:28	1
Benzene	ND		1.0	0.41	ug/L			08/17/20 17:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 17:28	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 17:28	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 17:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/17/20 17:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 17:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 17:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 17:28	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 17:28	1
Chloroform	ND		1.0	0.34	ug/L			08/17/20 17:28	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 17:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/17/20 17:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 17:28	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 17:28	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/17/20 17:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/17/20 17:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 17:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 17:28	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 17:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 17:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 17:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 17:28	1
Styrene	ND		1.0	0.73	ug/L			08/17/20 17:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/17/20 17:28	1
Toluene	**66**		1.0	0.51	ug/L			08/17/20 17:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 17:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 17:28	1
Trichloroethene	ND		1.0	0.46	ug/L			08/17/20 17:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 17:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/17/20 17:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/17/20 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/17/20 17:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*08/17/20 17:28*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*08/17/20 17:28*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*08/17/20 17:28*	*1*

Client Sample ID: 442024-FD-08102020
Lab Sample ID: 480-173788-26

Date Collected: 08/10/20 00:00
Matrix: Water

Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 17:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 17:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 17:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 17:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 17:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 17:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 17:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 17:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 17:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 17:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 17:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 17:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 17:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/17/20 17:51	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 17:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 17:51	1
Acetone	ND		10	3.0	ug/L			08/17/20 17:51	1
Benzene	ND		1.0	0.41	ug/L			08/17/20 17:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 17:51	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 17:51	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 17:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/17/20 17:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 17:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 17:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 17:51	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 17:51	1
Chloroform	**2.0**		1.0	0.34	ug/L			08/17/20 17:51	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 17:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/17/20 17:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 17:51	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 17:51	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/17/20 17:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/17/20 17:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 17:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 17:51	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 17:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 17:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 17:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 17:51	1
Styrene	ND		1.0	0.73	ug/L			08/17/20 17:51	1
Tetrachloroethene	**4.0**		1.0	0.36	ug/L			08/17/20 17:51	1
Toluene	ND		1.0	0.51	ug/L			08/17/20 17:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 17:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 17:51	1
Trichloroethene	ND		1.0	0.46	ug/L			08/17/20 17:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 17:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/17/20 17:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/17/20 17:51	1

Client Sample ID: 442024-FD-08102020
Lab Sample ID: 480-173788-26

Date Collected: 08/10/20 00:00
Matrix: Water
Date Received: 08/13/20 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/17/20 17:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*08/17/20 17:51*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*08/17/20 17:51*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*08/17/20 17:51*	*1*

Client Sample ID: 442024-MW-111
Lab Sample ID: 480-173788-27

Date Collected: 08/10/20 13:09
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 18:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 18:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 18:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 18:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 18:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 18:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 18:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 18:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 18:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 18:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 18:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 18:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 18:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/17/20 18:15	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 18:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 18:15	1
Acetone	ND		10	3.0	ug/L			08/17/20 18:15	1
Benzene	ND		1.0	0.41	ug/L			08/17/20 18:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 18:15	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 18:15	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 18:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/17/20 18:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 18:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 18:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 18:15	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 18:15	1
Chloroform	**2.1**		1.0	0.34	ug/L			08/17/20 18:15	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 18:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/17/20 18:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 18:15	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 18:15	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			08/17/20 18:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/17/20 18:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 18:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 18:15	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 18:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 18:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 18:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 18:15	1

Client Sample ID: 442024-MW-111
Lab Sample ID: 480-173788-27

Date Collected: 08/10/20 13:09
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			08/17/20 18:15	1
Tetrachloroethene	**4.2**		1.0	0.36	ug/L			08/17/20 18:15	1
Toluene	ND		1.0	0.51	ug/L			08/17/20 18:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 18:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 18:15	1
Trichloroethene	ND		1.0	0.46	ug/L			08/17/20 18:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 18:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/17/20 18:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/17/20 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/17/20 18:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*08/17/20 18:15*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*08/17/20 18:15*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*08/17/20 18:15*	*1*

Client Sample ID: 442024-MW-106A
Lab Sample ID: 480-173788-28

Date Collected: 08/11/20 08:21
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 18:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 18:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 18:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 18:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 18:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 18:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 18:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 18:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 18:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 18:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 18:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 18:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 18:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 18:13	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 18:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 18:13	1
Acetone	ND		10	3.0	ug/L			08/19/20 18:13	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 18:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 18:13	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 18:13	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 18:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 18:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 18:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 18:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 18:13	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 18:13	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 18:13	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 18:13	1

Client Sample ID: 442024-MW-106A
Lab Sample ID: 480-173788-28

Date Collected: 08/11/20 08:21
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 18:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 18:13	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 18:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 18:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 18:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 18:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 18:13	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 18:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 18:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 18:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 18:13	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 18:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 18:13	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 18:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 18:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 18:13	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 18:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 18:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 18:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/19/20 18:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*08/19/20 18:13*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*08/19/20 18:13*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*08/19/20 18:13*	*1*

Client Sample ID: 442024-TB-08112020
Lab Sample ID: 480-173788-29

Date Collected: 08/11/20 00:00
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 15:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 15:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 15:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 15:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 15:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 15:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 15:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 15:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 15:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 15:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 15:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 15:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 15:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 15:40	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 15:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 15:40	1
Acetone	ND		10	3.0	ug/L			08/19/20 15:40	1

Client Sample ID: 442024-TB-08112020
Lab Sample ID: 480-173788-29
Date Collected: 08/11/20 00:00
Matrix: Water
Date Received: 08/13/20 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/19/20 15:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 15:40	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 15:40	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 15:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 15:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 15:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 15:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 15:40	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 15:40	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 15:40	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 15:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 15:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 15:40	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 15:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 15:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 15:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 15:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 15:40	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 15:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 15:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 15:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 15:40	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 15:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 15:40	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 15:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 15:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 15:40	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 15:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 15:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 15:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/19/20 15:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*08/19/20 15:40*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*08/19/20 15:40*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*08/19/20 15:40*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Roxy Cleaners #442024

Job ID: 480-173788-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-173788-1	442024-INJ-3	98	102	98	98
480-173788-2	442024-MW-3B	97	101	99	98
480-173788-3	442024-MW-3	97	101	101	98
480-173788-4	442024-MW-1B	97	101	99	97
480-173788-5	442024-FB-08112020	98	100	99	101
480-173788-6	442024-MW-108	97	100	97	101
480-173788-7	442024-INJ-2	99	96	98	95
480-173788-8	442024-MW-1	99	101	100	99
480-173788-9	442024-MW-4B	99	102	101	99
480-173788-10	442024-MW-104	97	97	97	96
480-173788-11	442024-MW-4	99	101	100	99
480-173788-12	442024-MW-108A	100	104	100	97
480-173788-13	442024-TW-5	96	97	90	95
480-173788-14	442024-MW-107A	92	99	89	95
480-173788-15	442024-INJ-1	95	103	92	99
480-173788-16	442024-MW-101A	94	108	87	102
480-173788-17	442024-MW-105	93	103	87	99
480-173788-18	442024-MW-2B	94	108	93	104
480-173788-19	442024-MW-2	93	112	85	103
480-173788-20	442024-MW-109	84	116	88	112
480-173788-21	442024-FD-08112020	100	101	99	97
480-173788-22	442024-MW-106	97	100	96	95
480-173788-23	442024-FB-08102020	92	102	90	95
480-173788-24	442024-MW-103A	92	107	87	107
480-173788-24 MS	442024-MW-103A	101	104	98	101
480-173788-24 MSD	442024-MW-103A	99	96	94	94
480-173788-25	442024-MW-105A	92	111	89	104
480-173788-26	442024-FD-08102020	95	105	91	103
480-173788-27	442024-MW-111	102	107	96	106
480-173788-28	442024-MW-106A	97	100	96	100
480-173788-28 MS	442024-MW-106A	97	95	98	98
480-173788-28 MSD	442024-MW-106A	96	98	97	99
480-173788-29	442024-TB-08112020	92	115	96	106
LCS 480-545380/5	Lab Control Sample	97	107	94	100
LCS 480-545727/5	Lab Control Sample	96	97	96	97
LCS 480-545753/5	Lab Control Sample	100	107	94	98
MB 480-545380/7	Method Blank	96	97	90	97
MB 480-545727/7	Method Blank	99	101	101	100
MB 480-545753/7	Method Blank	95	115	92	105

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-545380/7
Matrix: Water
Analysis Batch: 545380

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/17/20 10:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/17/20 10:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/17/20 10:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/17/20 10:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/17/20 10:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/17/20 10:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/17/20 10:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/17/20 10:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/17/20 10:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/17/20 10:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/17/20 10:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/17/20 10:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/17/20 10:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/17/20 10:59	1
2-Hexanone	ND		5.0	1.2	ug/L			08/17/20 10:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/17/20 10:59	1
Acetone	ND		10	3.0	ug/L			08/17/20 10:59	1
Benzene	ND		1.0	0.41	ug/L			08/17/20 10:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/17/20 10:59	1
Bromoform	ND		1.0	0.26	ug/L			08/17/20 10:59	1
Bromomethane	ND		1.0	0.69	ug/L			08/17/20 10:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/17/20 10:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/17/20 10:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/17/20 10:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/17/20 10:59	1
Chloroethane	ND		1.0	0.32	ug/L			08/17/20 10:59	1
Chloroform	ND		1.0	0.34	ug/L			08/17/20 10:59	1
Chloromethane	ND		1.0	0.35	ug/L			08/17/20 10:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/17/20 10:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/17/20 10:59	1
Cyclohexane	ND		1.0	0.18	ug/L			08/17/20 10:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/17/20 10:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/17/20 10:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/17/20 10:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/17/20 10:59	1
Methyl acetate	ND		2.5	1.3	ug/L			08/17/20 10:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/17/20 10:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/17/20 10:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/17/20 10:59	1
Styrene	ND		1.0	0.73	ug/L			08/17/20 10:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/17/20 10:59	1
Toluene	ND		1.0	0.51	ug/L			08/17/20 10:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/17/20 10:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/17/20 10:59	1
Trichloroethene	ND		1.0	0.46	ug/L			08/17/20 10:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/17/20 10:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/17/20 10:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/17/20 10:59	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-545380/7
Matrix: Water
Analysis Batch: 545380

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/17/20 10:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*08/17/20 10:59*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*08/17/20 10:59*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*08/17/20 10:59*	*1*

Lab Sample ID: LCS 480-545380/5
Matrix: Water
Analysis Batch: 545380

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.9		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	76 - 120
1,1,2-Trichloroethane	25.0	25.5		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.5		ug/L		114	61 - 148
1,1-Dichloroethane	25.0	29.3		ug/L		117	77 - 120
1,1-Dichloroethene	25.0	27.0		ug/L		108	66 - 127
1,2,4-Trichlorobenzene	25.0	24.6		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.0		ug/L		100	56 - 134
1,2-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	27.9		ug/L		112	75 - 120
1,2-Dichloropropane	25.0	26.2		ug/L		105	76 - 120
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.5		ug/L		102	80 - 120
2-Butanone (MEK)	125	155		ug/L		124	57 - 140
2-Hexanone	125	149		ug/L		119	65 - 127
4-Methyl-2-pentanone (MIBK)	125	143		ug/L		115	71 - 125
Acetone	125	143		ug/L		115	56 - 142
Benzene	25.0	27.5		ug/L		110	71 - 124
Bromodichloromethane	25.0	29.6		ug/L		119	80 - 122
Bromoform	25.0	25.5		ug/L		102	61 - 132
Bromomethane	25.0	27.7		ug/L		111	55 - 144
Carbon disulfide	25.0	28.0		ug/L		112	59 - 134
Carbon tetrachloride	25.0	29.5		ug/L		118	72 - 134
Chlorobenzene	25.0	25.6		ug/L		102	80 - 120
Dibromochloromethane	25.0	25.2		ug/L		101	75 - 125
Chloroethane	25.0	28.3		ug/L		113	69 - 136
Chloroform	25.0	26.7		ug/L		107	73 - 127
Chloromethane	25.0	30.8		ug/L		123	68 - 124
cis-1,2-Dichloroethene	25.0	28.6		ug/L		114	74 - 124
cis-1,3-Dichloropropene	25.0	29.4		ug/L		118	74 - 124
Cyclohexane	25.0	31.5		ug/L		126	59 - 135
Dichlorodifluoromethane	25.0	34.2	*	ug/L		137	59 - 135
Ethylbenzene	25.0	26.5		ug/L		106	77 - 123
1,2-Dibromoethane	25.0	25.1		ug/L		100	77 - 120
Isopropylbenzene	25.0	27.4		ug/L		110	77 - 122
Methyl acetate	50.0	51.1		ug/L		102	74 - 133
Methyl tert-butyl ether	25.0	28.0		ug/L		112	77 - 120
Methylcyclohexane	25.0	27.0		ug/L		108	68 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-545380/5
Matrix: Water
Analysis Batch: 545380

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	25.6		ug/L		102	75 - 124
Styrene	25.0	26.4		ug/L		106	80 - 120
Tetrachloroethene	25.0	25.8		ug/L		103	74 - 122
Toluene	25.0	26.3		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	29.5		ug/L		118	73 - 127
trans-1,3-Dichloropropene	25.0	27.4		ug/L		109	80 - 120
Trichloroethene	25.0	29.3		ug/L		117	74 - 123
Trichlorofluoromethane	25.0	28.2		ug/L		113	62 - 150
Vinyl chloride	25.0	25.4		ug/L		101	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: 480-173788-24 MS
Matrix: Water
Analysis Batch: 545380

Client Sample ID: 442024-MW-103A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		50.0	53.0		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	ND		50.0	46.8		ug/L		94	76 - 120
1,1,2-Trichloroethane	ND		50.0	52.9		ug/L		106	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	53.3		ug/L		107	61 - 148
1,1-Dichloroethane	ND		50.0	52.5		ug/L		105	77 - 120
1,1-Dichloroethene	ND		50.0	51.5		ug/L		103	66 - 127
1,2,4-Trichlorobenzene	ND		50.0	48.6		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	ND		50.0	42.8		ug/L		86	56 - 134
1,2-Dichlorobenzene	ND		50.0	51.6		ug/L		103	80 - 124
1,2-Dichloroethane	ND		50.0	51.4		ug/L		103	75 - 120
1,2-Dichloropropane	ND		50.0	57.6		ug/L		115	76 - 120
1,3-Dichlorobenzene	ND		50.0	51.6		ug/L		103	77 - 120
1,4-Dichlorobenzene	ND		50.0	50.4		ug/L		101	78 - 124
2-Butanone (MEK)	ND		250	282		ug/L		113	57 - 140
2-Hexanone	ND		250	282		ug/L		113	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		250	286		ug/L		114	71 - 125
Acetone	ND		250	234		ug/L		94	56 - 142
Benzene	ND		50.0	56.9		ug/L		114	71 - 124
Bromodichloromethane	ND		50.0	54.0		ug/L		108	80 - 122
Bromoform	ND		50.0	48.8		ug/L		98	61 - 132
Bromomethane	ND		50.0	51.9		ug/L		104	55 - 144
Carbon disulfide	ND		50.0	47.9		ug/L		96	59 - 134
Carbon tetrachloride	ND		50.0	54.1		ug/L		108	72 - 134
Chlorobenzene	ND		50.0	52.1		ug/L		104	80 - 120
Dibromochloromethane	ND		50.0	52.9		ug/L		106	75 - 125
Chloroethane	ND		50.0	53.3		ug/L		107	69 - 136
Chloroform	ND		50.0	51.8		ug/L		104	73 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-173788-24 MS
Matrix: Water
Analysis Batch: 545380

Client Sample ID: 442024-MW-103A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		50.0	52.6		ug/L		105	68 - 124
cis-1,2-Dichloroethene	9.4		50.0	62.4		ug/L		106	74 - 124
cis-1,3-Dichloropropene	ND		50.0	52.4		ug/L		105	74 - 124
Cyclohexane	ND		50.0	60.4		ug/L		121	59 - 135
Dichlorodifluoromethane	ND	*	50.0	61.3		ug/L		123	59 - 135
Ethylbenzene	ND		50.0	54.9		ug/L		110	77 - 123
1,2-Dibromoethane	ND		50.0	52.0		ug/L		104	77 - 120
Isopropylbenzene	ND		50.0	52.9		ug/L		106	77 - 122
Methyl acetate	ND		100	89.6		ug/L		90	74 - 133
Methyl tert-butyl ether	ND		50.0	49.1		ug/L		98	77 - 120
Methylcyclohexane	ND		50.0	55.0		ug/L		110	68 - 134
Methylene Chloride	ND		50.0	47.9		ug/L		96	75 - 124
Styrene	ND		50.0	52.1		ug/L		104	80 - 120
Tetrachloroethene	81	F1	50.0	119		ug/L		76	74 - 122
Toluene	ND		50.0	54.3		ug/L		109	80 - 122
trans-1,2-Dichloroethene	ND		50.0	52.8		ug/L		106	73 - 127
trans-1,3-Dichloropropene	ND		50.0	52.1		ug/L		104	80 - 120
Trichloroethene	4.2		50.0	58.0		ug/L		108	74 - 123
Trichlorofluoromethane	ND		50.0	54.8		ug/L		110	62 - 150
Vinyl chloride	ND		50.0	50.0		ug/L		100	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: 480-173788-24 MSD
Matrix: Water
Analysis Batch: 545380

Client Sample ID: 442024-MW-103A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		50.0	54.6		ug/L		109	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		50.0	47.9		ug/L		96	76 - 120	2	15
1,1,2-Trichloroethane	ND		50.0	49.7		ug/L		99	76 - 122	6	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	52.9		ug/L		106	61 - 148	1	20
1,1-Dichloroethane	ND		50.0	51.8		ug/L		104	77 - 120	1	20
1,1-Dichloroethene	ND		50.0	49.1		ug/L		98	66 - 127	5	16
1,2,4-Trichlorobenzene	ND		50.0	48.5		ug/L		97	79 - 122	0	20
1,2-Dibromo-3-Chloropropane	ND		50.0	47.9		ug/L		96	56 - 134	11	15
1,2-Dichlorobenzene	ND		50.0	51.0		ug/L		102	80 - 124	1	20
1,2-Dichloroethane	ND		50.0	50.2		ug/L		100	75 - 120	2	20
1,2-Dichloropropane	ND		50.0	56.8		ug/L		114	76 - 120	1	20
1,3-Dichlorobenzene	ND		50.0	52.1		ug/L		104	77 - 120	1	20
1,4-Dichlorobenzene	ND		50.0	50.1		ug/L		100	78 - 124	1	20
2-Butanone (MEK)	ND		250	249		ug/L		100	57 - 140	12	20
2-Hexanone	ND		250	283		ug/L		113	65 - 127	0	15
4-Methyl-2-pentanone (MIBK)	ND		250	277		ug/L		111	71 - 125	3	35

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-173788-24 MSD
Matrix: Water
Analysis Batch: 545380

Client Sample ID: 442024-MW-103A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		250	228		ug/L		91	56 - 142	2	15
Benzene	ND		50.0	54.6		ug/L		109	71 - 124	4	13
Bromodichloromethane	ND		50.0	52.6		ug/L		105	80 - 122	3	15
Bromoform	ND		50.0	48.0		ug/L		96	61 - 132	2	15
Bromomethane	ND		50.0	50.8		ug/L		102	55 - 144	2	15
Carbon disulfide	ND		50.0	47.0		ug/L		94	59 - 134	2	15
Carbon tetrachloride	ND		50.0	53.9		ug/L		108	72 - 134	0	15
Chlorobenzene	ND		50.0	53.4		ug/L		107	80 - 120	3	25
Dibromochloromethane	ND		50.0	51.4		ug/L		103	75 - 125	3	15
Chloroethane	ND		50.0	52.9		ug/L		106	69 - 136	1	15
Chloroform	ND		50.0	49.6		ug/L		99	73 - 127	4	20
Chloromethane	ND		50.0	53.1		ug/L		106	68 - 124	1	15
cis-1,2-Dichloroethene	9.4		50.0	59.1		ug/L		100	74 - 124	5	15
cis-1,3-Dichloropropene	ND		50.0	51.9		ug/L		104	74 - 124	1	15
Cyclohexane	ND		50.0	52.6		ug/L		105	59 - 135	14	20
Dichlorodifluoromethane	ND	*	50.0	60.8		ug/L		122	59 - 135	1	20
Ethylbenzene	ND		50.0	53.2		ug/L		106	77 - 123	3	15
1,2-Dibromoethane	ND		50.0	52.2		ug/L		104	77 - 120	1	15
Isopropylbenzene	ND		50.0	54.1		ug/L		108	77 - 122	2	20
Methyl acetate	ND		100	86.7		ug/L		87	74 - 133	3	20
Methyl tert-butyl ether	ND		50.0	48.2		ug/L		96	77 - 120	2	37
Methylcyclohexane	ND		50.0	54.0		ug/L		108	68 - 134	2	20
Methylene Chloride	ND		50.0	46.5		ug/L		93	75 - 124	3	15
Styrene	ND		50.0	53.6		ug/L		107	80 - 120	3	20
Tetrachloroethene	81	F1	50.0	117	F1	ug/L		72	74 - 122	1	20
Toluene	ND		50.0	53.3		ug/L		107	80 - 122	2	15
trans-1,2-Dichloroethene	ND		50.0	52.0		ug/L		104	73 - 127	2	20
trans-1,3-Dichloropropene	ND		50.0	50.6		ug/L		101	80 - 120	3	15
Trichloroethene	4.2		50.0	56.4		ug/L		105	74 - 123	3	16
Trichlorofluoromethane	ND		50.0	51.7		ug/L		103	62 - 150	6	20
Vinyl chloride	ND		50.0	49.5		ug/L		99	65 - 133	1	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*75 - 123*

Lab Sample ID: MB 480-545727/7
Matrix: Water
Analysis Batch: 545727

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 09:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 09:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 09:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 09:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 09:59	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-545727/7
Matrix: Water
Analysis Batch: 545727

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 09:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 09:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 09:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 09:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 09:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 09:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 09:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 09:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 09:59	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 09:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 09:59	1
Acetone	ND		10	3.0	ug/L			08/19/20 09:59	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 09:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 09:59	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 09:59	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 09:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 09:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 09:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 09:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 09:59	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 09:59	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 09:59	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 09:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 09:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 09:59	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 09:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 09:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 09:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 09:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 09:59	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 09:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 09:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 09:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 09:59	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 09:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 09:59	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 09:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 09:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 09:59	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 09:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 09:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 09:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 09:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/19/20 09:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/19/20 09:59*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/19/20 09:59*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-545727/7
Matrix: Water
Analysis Batch: 545727

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		75 - 123		08/19/20 09:59	1

Lab Sample ID: LCS 480-545727/5
Matrix: Water
Analysis Batch: 545727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.6		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	76 - 120
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.2		ug/L		113	61 - 148
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	26.3		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	25.0	25.7		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.2		ug/L		97	56 - 134
1,2-Dichlorobenzene	25.0	25.6		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	25.2		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	25.8		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	25.4		ug/L		102	80 - 120
2-Butanone (MEK)	125	123		ug/L		98	57 - 140
2-Hexanone	125	125		ug/L		100	65 - 127
4-Methyl-2-pentanone (MIBK)	125	123		ug/L		98	71 - 125
Acetone	125	117		ug/L		94	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	23.5		ug/L		94	61 - 132
Bromomethane	25.0	22.7		ug/L		91	55 - 144
Carbon disulfide	25.0	26.3		ug/L		105	59 - 134
Carbon tetrachloride	25.0	25.1		ug/L		101	72 - 134
Chlorobenzene	25.0	24.9		ug/L		100	80 - 120
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125
Chloroethane	25.0	24.3		ug/L		97	69 - 136
Chloroform	25.0	24.4		ug/L		98	73 - 127
Chloromethane	25.0	24.8		ug/L		99	68 - 124
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124
Cyclohexane	25.0	27.2		ug/L		109	59 - 135
Dichlorodifluoromethane	25.0	26.8		ug/L		107	59 - 135
Ethylbenzene	25.0	25.2		ug/L		101	77 - 123
1,2-Dibromoethane	25.0	24.4		ug/L		98	77 - 120
Isopropylbenzene	25.0	26.3		ug/L		105	77 - 122
Methyl acetate	50.0	48.5		ug/L		97	74 - 133
Methyl tert-butyl ether	25.0	24.3		ug/L		97	77 - 120
Methylcyclohexane	25.0	27.4		ug/L		110	68 - 134
Methylene Chloride	25.0	26.0		ug/L		104	75 - 124
Styrene	25.0	25.7		ug/L		103	80 - 120
Tetrachloroethene	25.0	25.5		ug/L		102	74 - 122

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-545727/5
Matrix: Water
Analysis Batch: 545727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	25.0	25.1		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	25.0		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	24.8		ug/L		99	80 - 120
Trichloroethene	25.0	25.4		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	26.4		ug/L		106	62 - 150
Vinyl chloride	25.0	26.7		ug/L		107	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Lab Sample ID: 480-173788-28 MS
Matrix: Water
Analysis Batch: 545727

Client Sample ID: 442024-MW-106A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	26.5		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	26.3		ug/L		105	76 - 120
1,1,2-Trichloroethane	ND		25.0	26.2		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	29.3		ug/L		117	61 - 148
1,1-Dichloroethane	ND		25.0	27.1		ug/L		108	77 - 120
1,1-Dichloroethene	ND		25.0	29.9		ug/L		120	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	25.4		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	25.4		ug/L		101	56 - 134
1,2-Dichlorobenzene	ND		25.0	25.6		ug/L		102	80 - 124
1,2-Dichloroethane	ND		25.0	26.2		ug/L		105	75 - 120
1,2-Dichloropropane	ND		25.0	27.8		ug/L		111	76 - 120
1,3-Dichlorobenzene	ND		25.0	25.2		ug/L		101	77 - 120
1,4-Dichlorobenzene	ND		25.0	24.7		ug/L		99	78 - 124
2-Butanone (MEK)	ND		125	135		ug/L		108	57 - 140
2-Hexanone	ND		125	145		ug/L		116	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	140		ug/L		112	71 - 125
Acetone	ND		125	131		ug/L		105	56 - 142
Benzene	ND		25.0	27.1		ug/L		108	71 - 124
Bromodichloromethane	ND		25.0	25.7		ug/L		103	80 - 122
Bromoform	ND		25.0	22.5		ug/L		90	61 - 132
Bromomethane	ND		25.0	25.0		ug/L		100	55 - 144
Carbon disulfide	ND		25.0	26.3		ug/L		105	59 - 134
Carbon tetrachloride	ND		25.0	26.3		ug/L		105	72 - 134
Chlorobenzene	ND		25.0	26.1		ug/L		104	80 - 120
Dibromochloromethane	ND		25.0	24.5		ug/L		98	75 - 125
Chloroethane	ND		25.0	27.4		ug/L		109	69 - 136
Chloroform	ND		25.0	26.8		ug/L		107	73 - 127
Chloromethane	ND		25.0	27.8		ug/L		111	68 - 124
cis-1,2-Dichloroethene	ND		25.0	27.1		ug/L		108	74 - 124
cis-1,3-Dichloropropene	ND		25.0	25.2		ug/L		101	74 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-173788-28 MS
Matrix: Water
Analysis Batch: 545727

Client Sample ID: 442024-MW-106A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	ND		25.0	27.7		ug/L		111	59 - 135
Dichlorodifluoromethane	ND		25.0	27.0		ug/L		108	59 - 135
Ethylbenzene	ND		25.0	26.2		ug/L		105	77 - 123
1,2-Dibromoethane	ND		25.0	25.8		ug/L		103	77 - 120
Isopropylbenzene	ND		25.0	26.0		ug/L		104	77 - 122
Methyl acetate	ND		50.0	51.2		ug/L		102	74 - 133
Methyl tert-butyl ether	ND		25.0	26.5		ug/L		106	77 - 120
Methylcyclohexane	ND		25.0	27.6		ug/L		110	68 - 134
Methylene Chloride	ND		25.0	29.0		ug/L		116	75 - 124
Styrene	ND		25.0	27.1		ug/L		108	80 - 120
Tetrachloroethene	ND		25.0	26.1		ug/L		104	74 - 122
Toluene	ND		25.0	26.3		ug/L		105	80 - 122
trans-1,2-Dichloroethene	ND		25.0	27.6		ug/L		110	73 - 127
trans-1,3-Dichloropropene	ND		25.0	24.8		ug/L		99	80 - 120
Trichloroethene	ND		25.0	26.2		ug/L		105	74 - 123
Trichlorofluoromethane	ND		25.0	26.5		ug/L		106	62 - 150
Vinyl chloride	ND		25.0	29.7		ug/L		119	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: 480-173788-28 MSD
Matrix: Water
Analysis Batch: 545727

Client Sample ID: 442024-MW-106A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	27.3		ug/L		109	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		25.0	27.3		ug/L		109	76 - 120	4	15
1,1,2-Trichloroethane	ND		25.0	25.7		ug/L		103	76 - 122	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	27.9		ug/L		112	61 - 148	5	20
1,1-Dichloroethane	ND		25.0	28.4		ug/L		114	77 - 120	5	20
1,1-Dichloroethene	ND		25.0	29.1		ug/L		116	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		25.0	26.0		ug/L		104	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		25.0	25.3		ug/L		101	56 - 134	0	15
1,2-Dichlorobenzene	ND		25.0	26.0		ug/L		104	80 - 124	1	20
1,2-Dichloroethane	ND		25.0	26.5		ug/L		106	75 - 120	1	20
1,2-Dichloropropane	ND		25.0	27.8		ug/L		111	76 - 120	0	20
1,3-Dichlorobenzene	ND		25.0	25.6		ug/L		102	77 - 120	1	20
1,4-Dichlorobenzene	ND		25.0	25.2		ug/L		101	78 - 124	2	20
2-Butanone (MEK)	ND		125	139		ug/L		111	57 - 140	3	20
2-Hexanone	ND		125	137		ug/L		110	65 - 127	5	15
4-Methyl-2-pentanone (MIBK)	ND		125	135		ug/L		108	71 - 125	3	35
Acetone	ND		125	131		ug/L		105	56 - 142	0	15
Benzene	ND		25.0	27.5		ug/L		110	71 - 124	1	13
Bromodichloromethane	ND		25.0	25.7		ug/L		103	80 - 122	0	15

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-173788-28 MSD
Matrix: Water
Analysis Batch: 545727

Client Sample ID: 442024-MW-106A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	ND		25.0	22.3		ug/L		89	61 - 132	1	15
Bromomethane	ND		25.0	25.3		ug/L		101	55 - 144	1	15
Carbon disulfide	ND		25.0	26.2		ug/L		105	59 - 134	1	15
Carbon tetrachloride	ND		25.0	26.5		ug/L		106	72 - 134	0	15
Chlorobenzene	ND		25.0	25.4		ug/L		101	80 - 120	3	25
Dibromochloromethane	ND		25.0	23.9		ug/L		96	75 - 125	2	15
Chloroethane	ND		25.0	27.3		ug/L		109	69 - 136	0	15
Chloroform	ND		25.0	26.8		ug/L		107	73 - 127	0	20
Chloromethane	ND		25.0	28.0		ug/L		112	68 - 124	1	15
cis-1,2-Dichloroethene	ND		25.0	27.3		ug/L		109	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	25.6		ug/L		102	74 - 124	1	15
Cyclohexane	ND		25.0	26.5		ug/L		106	59 - 135	5	20
Dichlorodifluoromethane	ND		25.0	26.8		ug/L		107	59 - 135	1	20
Ethylbenzene	ND		25.0	25.7		ug/L		103	77 - 123	2	15
1,2-Dibromoethane	ND		25.0	26.3		ug/L		105	77 - 120	2	15
Isopropylbenzene	ND		25.0	25.6		ug/L		102	77 - 122	2	20
Methyl acetate	ND		50.0	51.9		ug/L		104	74 - 133	1	20
Methyl tert-butyl ether	ND		25.0	27.0		ug/L		108	77 - 120	2	37
Methylcyclohexane	ND		25.0	26.6		ug/L		107	68 - 134	3	20
Methylene Chloride	ND		25.0	29.5		ug/L		118	75 - 124	2	15
Styrene	ND		25.0	25.6		ug/L		102	80 - 120	6	20
Tetrachloroethene	ND		25.0	25.1		ug/L		100	74 - 122	4	20
Toluene	ND		25.0	26.0		ug/L		104	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	27.7		ug/L		111	73 - 127	1	20
trans-1,3-Dichloropropene	ND		25.0	24.6		ug/L		98	80 - 120	1	15
Trichloroethene	ND		25.0	26.0		ug/L		104	74 - 123	1	16
Trichlorofluoromethane	ND		25.0	27.0		ug/L		108	62 - 150	2	20
Vinyl chloride	ND		25.0	30.2		ug/L		121	65 - 133	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Lab Sample ID: MB 480-545753/7
Matrix: Water
Analysis Batch: 545753

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/19/20 11:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/19/20 11:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/19/20 11:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/19/20 11:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/19/20 11:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/19/20 11:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/19/20 11:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/19/20 11:08	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-545753/7
Matrix: Water
Analysis Batch: 545753

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/19/20 11:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/19/20 11:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/19/20 11:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/19/20 11:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/19/20 11:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/19/20 11:08	1
2-Hexanone	ND		5.0	1.2	ug/L			08/19/20 11:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/19/20 11:08	1
Acetone	ND		10	3.0	ug/L			08/19/20 11:08	1
Benzene	ND		1.0	0.41	ug/L			08/19/20 11:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/19/20 11:08	1
Bromoform	ND		1.0	0.26	ug/L			08/19/20 11:08	1
Bromomethane	ND		1.0	0.69	ug/L			08/19/20 11:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/19/20 11:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/19/20 11:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/19/20 11:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/19/20 11:08	1
Chloroethane	ND		1.0	0.32	ug/L			08/19/20 11:08	1
Chloroform	ND		1.0	0.34	ug/L			08/19/20 11:08	1
Chloromethane	ND		1.0	0.35	ug/L			08/19/20 11:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/20 11:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/19/20 11:08	1
Cyclohexane	ND		1.0	0.18	ug/L			08/19/20 11:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/19/20 11:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/19/20 11:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/19/20 11:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/19/20 11:08	1
Methyl acetate	ND		2.5	1.3	ug/L			08/19/20 11:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/19/20 11:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/19/20 11:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/20 11:08	1
Styrene	ND		1.0	0.73	ug/L			08/19/20 11:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/20 11:08	1
Toluene	ND		1.0	0.51	ug/L			08/19/20 11:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/20 11:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/19/20 11:08	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/20 11:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/19/20 11:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/19/20 11:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/19/20 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/19/20 11:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*08/19/20 11:08*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*08/19/20 11:08*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*08/19/20 11:08*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-545753/5
Matrix: Water
Analysis Batch: 545753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	28.2		ug/L		113	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		96	76 - 120
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.3		ug/L		109	61 - 148
1,1-Dichloroethane	25.0	25.8		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	25.1		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	24.5		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.5		ug/L		98	56 - 134
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	27.5		ug/L		110	75 - 120
1,2-Dichloropropane	25.0	29.7		ug/L		119	76 - 120
1,3-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 120
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Hexanone	125	152		ug/L		122	65 - 127
4-Methyl-2-pentanone (MIBK)	125	149		ug/L		119	71 - 125
Acetone	125	129		ug/L		103	56 - 142
Benzene	25.0	28.1		ug/L		112	71 - 124
Bromodichloromethane	25.0	26.9		ug/L		107	80 - 122
Bromoform	25.0	24.4		ug/L		98	61 - 132
Bromomethane	25.0	24.8		ug/L		99	55 - 144
Carbon disulfide	25.0	26.7		ug/L		107	59 - 134
Carbon tetrachloride	25.0	27.5		ug/L		110	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120
Dibromochloromethane	25.0	25.6		ug/L		102	75 - 125
Chloroethane	25.0	24.9		ug/L		100	69 - 136
Chloroform	25.0	25.6		ug/L		102	73 - 127
Chloromethane	25.0	24.9		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	26.6		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Cyclohexane	25.0	27.6		ug/L		110	59 - 135
Dichlorodifluoromethane	25.0	27.2		ug/L		109	59 - 135
Ethylbenzene	25.0	27.2		ug/L		109	77 - 123
1,2-Dibromoethane	25.0	25.2		ug/L		101	77 - 120
Isopropylbenzene	25.0	27.4		ug/L		110	77 - 122
Methyl acetate	50.0	51.7		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	26.1		ug/L		104	77 - 120
Methylcyclohexane	25.0	28.6		ug/L		114	68 - 134
Methylene Chloride	25.0	24.4		ug/L		98	75 - 124
Styrene	25.0	26.6		ug/L		107	80 - 120
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
Toluene	25.0	26.4		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	26.6		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	27.2		ug/L		109	80 - 120
Trichloroethene	25.0	27.2		ug/L		109	74 - 123
Trichlorofluoromethane	25.0	25.4		ug/L		102	62 - 150
Vinyl chloride	25.0	22.3		ug/L		89	65 - 133

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-545753/5
Matrix: Water
Analysis Batch: 545753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	107		77 - 120
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	98		75 - 123

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 545380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173788-13	442024-TW-5	Total/NA	Water	8260C	
480-173788-14	442024-MW-107A	Total/NA	Water	8260C	
480-173788-15	442024-INJ-1	Total/NA	Water	8260C	
480-173788-16	442024-MW-101A	Total/NA	Water	8260C	
480-173788-17	442024-MW-105	Total/NA	Water	8260C	
480-173788-18	442024-MW-2B	Total/NA	Water	8260C	
480-173788-19	442024-MW-2	Total/NA	Water	8260C	
480-173788-20	442024-MW-109	Total/NA	Water	8260C	
480-173788-23	442024-FB-08102020	Total/NA	Water	8260C	
480-173788-24	442024-MW-103A	Total/NA	Water	8260C	
480-173788-25	442024-MW-105A	Total/NA	Water	8260C	
480-173788-26	442024-FD-08102020	Total/NA	Water	8260C	
480-173788-27	442024-MW-111	Total/NA	Water	8260C	
MB 480-545380/7	Method Blank	Total/NA	Water	8260C	
LCS 480-545380/5	Lab Control Sample	Total/NA	Water	8260C	
480-173788-24 MS	442024-MW-103A	Total/NA	Water	8260C	
480-173788-24 MSD	442024-MW-103A	Total/NA	Water	8260C	

Analysis Batch: 545727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173788-1	442024-INJ-3	Total/NA	Water	8260C	
480-173788-2	442024-MW-3B	Total/NA	Water	8260C	
480-173788-3	442024-MW-3	Total/NA	Water	8260C	
480-173788-4	442024-MW-1B	Total/NA	Water	8260C	
480-173788-5	442024-FB-08112020	Total/NA	Water	8260C	
480-173788-6	442024-MW-108	Total/NA	Water	8260C	
480-173788-7	442024-INJ-2	Total/NA	Water	8260C	
480-173788-8	442024-MW-1	Total/NA	Water	8260C	
480-173788-9	442024-MW-4B	Total/NA	Water	8260C	
480-173788-10	442024-MW-104	Total/NA	Water	8260C	
480-173788-11	442024-MW-4	Total/NA	Water	8260C	
480-173788-12	442024-MW-108A	Total/NA	Water	8260C	
480-173788-21	442024-FD-08112020	Total/NA	Water	8260C	
480-173788-22	442024-MW-106	Total/NA	Water	8260C	
480-173788-28	442024-MW-106A	Total/NA	Water	8260C	
MB 480-545727/7	Method Blank	Total/NA	Water	8260C	
LCS 480-545727/5	Lab Control Sample	Total/NA	Water	8260C	
480-173788-28 MS	442024-MW-106A	Total/NA	Water	8260C	
480-173788-28 MSD	442024-MW-106A	Total/NA	Water	8260C	

Analysis Batch: 545753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173788-29	442024-TB-08112020	Total/NA	Water	8260C	
MB 480-545753/7	Method Blank	Total/NA	Water	8260C	
LCS 480-545753/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-173788-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: 442024-INJ-3
Lab Sample ID: 480-173788-1
Date Collected: 08/11/20 17:28
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	545727	08/19/20 12:51	AMM	TAL BUF

Client Sample ID: 442024-MW-3B
Lab Sample ID: 480-173788-2
Date Collected: 08/11/20 12:11
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 13:14	AMM	TAL BUF

Client Sample ID: 442024-MW-3
Lab Sample ID: 480-173788-3
Date Collected: 08/11/20 12:24
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 13:37	AMM	TAL BUF

Client Sample ID: 442024-MW-1B
Lab Sample ID: 480-173788-4
Date Collected: 08/11/20 15:52
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 14:00	AMM	TAL BUF

Client Sample ID: 442024-FB-08112020
Lab Sample ID: 480-173788-5
Date Collected: 08/11/20 17:30
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 14:23	AMM	TAL BUF

Client Sample ID: 442024-MW-108
Lab Sample ID: 480-173788-6
Date Collected: 08/11/20 11:01
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 14:46	AMM	TAL BUF

Client Sample ID: 442024-INJ-2
Lab Sample ID: 480-173788-7
Date Collected: 08/11/20 17:25
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	545727	08/19/20 15:09	AMM	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-173788-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: 442024-MW-1
Lab Sample ID: 480-173788-8
Date Collected: 08/11/20 15:54
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 15:32	AMM	TAL BUF

Client Sample ID: 442024-MW-4B
Lab Sample ID: 480-173788-9
Date Collected: 08/11/20 13:20
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 15:55	AMM	TAL BUF

Client Sample ID: 442024-MW-104
Lab Sample ID: 480-173788-10
Date Collected: 08/11/20 14:14
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 16:18	AMM	TAL BUF

Client Sample ID: 442024-MW-4
Lab Sample ID: 480-173788-11
Date Collected: 08/11/20 13:05
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 16:41	AMM	TAL BUF

Client Sample ID: 442024-MW-108A
Lab Sample ID: 480-173788-12
Date Collected: 08/11/20 10:58
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 17:04	AMM	TAL BUF

Client Sample ID: 442024-TW-5
Lab Sample ID: 480-173788-13
Date Collected: 08/11/20 09:45
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545380	08/17/20 13:28	RJF	TAL BUF

Client Sample ID: 442024-MW-107A
Lab Sample ID: 480-173788-14
Date Collected: 08/11/20 09:43
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545380	08/17/20 13:52	RJF	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-173788-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: 442024-INJ-1
Lab Sample ID: 480-173788-15
Date Collected: 08/10/20 11:27
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545380	08/17/20 14:16	RJF	TAL BUF

Client Sample ID: 442024-MW-101A
Lab Sample ID: 480-173788-16
Date Collected: 08/10/20 11:25
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545380	08/17/20 14:40	RJF	TAL BUF

Client Sample ID: 442024-MW-105
Lab Sample ID: 480-173788-17
Date Collected: 08/10/20 13:58
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545380	08/17/20 15:03	RJF	TAL BUF

Client Sample ID: 442024-MW-2B
Lab Sample ID: 480-173788-18
Date Collected: 08/10/20 16:01
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545380	08/17/20 15:27	RJF	TAL BUF

Client Sample ID: 442024-MW-2
Lab Sample ID: 480-173788-19
Date Collected: 08/10/20 16:06
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545380	08/17/20 15:51	RJF	TAL BUF

Client Sample ID: 442024-MW-109
Lab Sample ID: 480-173788-20
Date Collected: 08/10/20 15:02
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545380	08/17/20 16:15	RJF	TAL BUF

Client Sample ID: 442024-FD-08112020
Lab Sample ID: 480-173788-21
Date Collected: 08/11/20 00:00
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 17:27	AMM	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-173788-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: 442024-MW-106
Lab Sample ID: 480-173788-22
Date Collected: 08/11/20 08:29
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 17:50	AMM	TAL BUF

Client Sample ID: 442024-FB-08102020
Lab Sample ID: 480-173788-23
Date Collected: 08/10/20 16:15
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545380	08/17/20 16:40	RJF	TAL BUF

Client Sample ID: 442024-MW-103A
Lab Sample ID: 480-173788-24
Date Collected: 08/10/20 12:52
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	545380	08/17/20 17:04	RJF	TAL BUF

Client Sample ID: 442024-MW-105A
Lab Sample ID: 480-173788-25
Date Collected: 08/10/20 14:04
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545380	08/17/20 17:28	RJF	TAL BUF

Client Sample ID: 442024-FD-08102020
Lab Sample ID: 480-173788-26
Date Collected: 08/10/20 00:00
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545380	08/17/20 17:51	RJF	TAL BUF

Client Sample ID: 442024-MW-111
Lab Sample ID: 480-173788-27
Date Collected: 08/10/20 13:09
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545380	08/17/20 18:15	RJF	TAL BUF

Client Sample ID: 442024-MW-106A
Lab Sample ID: 480-173788-28
Date Collected: 08/11/20 08:21
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545727	08/19/20 18:13	AMM	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-173788-1
Project/Site: Roxy Cleaners #442024

Client Sample ID: 442024-TB-08112020
Lab Sample ID: 480-173788-29
Date Collected: 08/11/20 00:00
Matrix: Water
Date Received: 08/13/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	545753	08/19/20 15:40	RJF	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-173788-1
Project/Site: Roxy Cleaners #442024

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method 8260C

Volatile Organic Compounds (GC/MS) by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
442024-INJ-3	480-173788-1	98	102	98	98
442024-MW-3B	480-173788-2	98	101	97	99
442024-MW-3	480-173788-3	98	101	97	101
442024-MW-1B	480-173788-4	97	101	97	99
442024-FB-08112020	480-173788-5	101	100	98	99
442024-MW-108	480-173788-6	101	100	97	97
442024-INJ-2	480-173788-7	95	96	99	98
442024-MW-1	480-173788-8	99	101	99	100
442024-MW-4B	480-173788-9	99	102	99	101
442024-MW-104	480-173788-10	96	97	97	97
442024-MW-4	480-173788-11	99	101	99	100
442024-MW-108A	480-173788-12	97	104	100	100
442024-TW-5	480-173788-13	95	97	96	90
442024-MW-107A	480-173788-14	95	99	92	89
442024-INJ-1	480-173788-15	99	103	95	92
442024-MW-101A	480-173788-16	102	108	94	87
442024-MW-105	480-173788-17	99	103	93	87
442024-MW-2B	480-173788-18	104	108	94	93
442024-MW-2	480-173788-19	103	112	93	85
442024-MW-109	480-173788-20	112	116	84	88
442024-FD-08112020	480-173788-21	97	101	100	99
442024-MW-106	480-173788-22	95	100	97	96
442024-FB-08102020	480-173788-23	95	102	92	90
442024-MW-103A	480-173788-24	107	107	92	87
442024-MW-105A	480-173788-25	104	111	92	89
442024-FD-08102020	480-173788-26	103	105	95	91
442024-MW-111	480-173788-27	106	107	102	96
442024-MW-106A	480-173788-28	100	100	97	96
442024-TB-08112020	480-173788-29	106	115	92	96
	MB 480-545380/7	97	97	96	90
	MB 480-545727/7	100	101	99	101
	MB 480-545753/7	105	115	95	92
	LCS 480-545380/5	100	107	97	94
	LCS 480-545727/5	97	97	96	96
	LCS 480-545753/5	98	107	100	94

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
442024-MW-103A MS	480-173788-24 MS	101	104	101	98
442024-MW-106A MS	480-173788-28 MS	98	95	97	98
442024-MW-103A MSD	480-173788-24 MSD	94	96	99	94
442024-MW-106A MSD	480-173788-28 MSD	99	98	96	97

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T6212.D

Lab ID: LCS 480-545380/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.9	111	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.2	97	76-120	
1,1,2-Trichloroethane	25.0	25.5	102	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.5	114	61-148	
1,1-Dichloroethane	25.0	29.3	117	77-120	
1,1-Dichloroethene	25.0	27.0	108	66-127	
1,2,4-Trichlorobenzene	25.0	24.6	99	79-122	
1,2-Dibromo-3-Chloropropane	25.0	25.0	100	56-134	
1,2-Dichlorobenzene	25.0	25.8	103	80-124	
1,2-Dichloroethane	25.0	27.9	112	75-120	
1,2-Dichloropropane	25.0	26.2	105	76-120	
1,3-Dichlorobenzene	25.0	25.6	102	77-120	
1,4-Dichlorobenzene	25.0	25.5	102	80-120	
2-Butanone (MEK)	125	155	124	57-140	
2-Hexanone	125	149	119	65-127	
4-Methyl-2-pentanone (MIBK)	125	143	115	71-125	
Acetone	125	143	115	56-142	
Benzene	25.0	27.5	110	71-124	
Bromodichloromethane	25.0	29.6	119	80-122	
Bromoform	25.0	25.5	102	61-132	
Bromomethane	25.0	27.7	111	55-144	
Carbon disulfide	25.0	28.0	112	59-134	
Carbon tetrachloride	25.0	29.5	118	72-134	
Chlorobenzene	25.0	25.6	102	80-120	
Dibromochloromethane	25.0	25.2	101	75-125	
Chloroethane	25.0	28.3	113	69-136	
Chloroform	25.0	26.7	107	73-127	
Chloromethane	25.0	30.8	123	68-124	
cis-1,2-Dichloroethene	25.0	28.6	114	74-124	
cis-1,3-Dichloropropene	25.0	29.4	118	74-124	
Cyclohexane	25.0	31.5	126	59-135	
Dichlorodifluoromethane	25.0	34.2	137	59-135	*
Ethylbenzene	25.0	26.5	106	77-123	
1,2-Dibromoethane	25.0	25.1	100	77-120	
Isopropylbenzene	25.0	27.4	110	77-122	
Methyl acetate	50.0	51.1	102	74-133	
Methyl tert-butyl ether	25.0	28.0	112	77-120	
Methylcyclohexane	25.0	27.0	108	68-134	
Methylene Chloride	25.0	25.6	102	75-124	
Styrene	25.0	26.4	106	80-120	
Tetrachloroethene	25.0	25.8	103	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T6212.D

Lab ID: LCS 480-545380/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	26.3	105	80-122	
trans-1,2-Dichloroethene	25.0	29.5	118	73-127	
trans-1,3-Dichloropropene	25.0	27.4	109	80-120	
Trichloroethene	25.0	29.3	117	74-123	
Trichlorofluoromethane	25.0	28.2	113	62-150	
Vinyl chloride	25.0	25.4	101	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S0732.D

Lab ID: LCS 480-545727/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.6	102	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.2	101	76-120	
1,1,2-Trichloroethane	25.0	24.3	97	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.2	113	61-148	
1,1-Dichloroethane	25.0	24.2	97	77-120	
1,1-Dichloroethene	25.0	26.3	105	66-127	
1,2,4-Trichlorobenzene	25.0	25.7	103	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.2	97	56-134	
1,2-Dichlorobenzene	25.0	25.6	102	80-124	
1,2-Dichloroethane	25.0	24.2	97	75-120	
1,2-Dichloropropane	25.0	25.2	101	76-120	
1,3-Dichlorobenzene	25.0	25.8	103	77-120	
1,4-Dichlorobenzene	25.0	25.4	102	80-120	
2-Butanone (MEK)	125	123	98	57-140	
2-Hexanone	125	125	100	65-127	
4-Methyl-2-pentanone (MIBK)	125	123	98	71-125	
Acetone	125	117	94	56-142	
Benzene	25.0	24.8	99	71-124	
Bromodichloromethane	25.0	24.7	99	80-122	
Bromoform	25.0	23.5	94	61-132	
Bromomethane	25.0	22.7	91	55-144	
Carbon disulfide	25.0	26.3	105	59-134	
Carbon tetrachloride	25.0	25.1	101	72-134	
Chlorobenzene	25.0	24.9	100	80-120	
Dibromochloromethane	25.0	25.0	100	75-125	
Chloroethane	25.0	24.3	97	69-136	
Chloroform	25.0	24.4	98	73-127	
Chloromethane	25.0	24.8	99	68-124	
cis-1,2-Dichloroethene	25.0	25.1	100	74-124	
cis-1,3-Dichloropropene	25.0	25.4	102	74-124	
Cyclohexane	25.0	27.2	109	59-135	
Dichlorodifluoromethane	25.0	26.8	107	59-135	
Ethylbenzene	25.0	25.2	101	77-123	
1,2-Dibromoethane	25.0	24.4	98	77-120	
Isopropylbenzene	25.0	26.3	105	77-122	
Methyl acetate	50.0	48.5	97	74-133	
Methyl tert-butyl ether	25.0	24.3	97	77-120	
Methylcyclohexane	25.0	27.4	110	68-134	
Methylene Chloride	25.0	26.0	104	75-124	
Styrene	25.0	25.7	103	80-120	
Tetrachloroethene	25.0	25.5	102	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S0732.D

Lab ID: LCS 480-545727/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	25.1	101	80-122	
trans-1,2-Dichloroethene	25.0	25.0	100	73-127	
trans-1,3-Dichloropropene	25.0	24.8	99	80-120	
Trichloroethene	25.0	25.4	102	74-123	
Trichlorofluoromethane	25.0	26.4	106	62-150	
Vinyl chloride	25.0	26.7	107	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T6266.D

Lab ID: LCS 480-545753/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	28.2	113	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.1	96	76-120	
1,1,2-Trichloroethane	25.0	25.9	104	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.3	109	61-148	
1,1-Dichloroethane	25.0	25.8	103	77-120	
1,1-Dichloroethene	25.0	25.1	100	66-127	
1,2,4-Trichlorobenzene	25.0	24.5	98	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.5	98	56-134	
1,2-Dichlorobenzene	25.0	25.3	101	80-124	
1,2-Dichloroethane	25.0	27.5	110	75-120	
1,2-Dichloropropane	25.0	29.7	119	76-120	
1,3-Dichlorobenzene	25.0	25.1	100	77-120	
1,4-Dichlorobenzene	25.0	24.9	100	80-120	
2-Butanone (MEK)	125	136	109	57-140	
2-Hexanone	125	152	122	65-127	
4-Methyl-2-pentanone (MIBK)	125	149	119	71-125	
Acetone	125	129	103	56-142	
Benzene	25.0	28.1	112	71-124	
Bromodichloromethane	25.0	26.9	107	80-122	
Bromoform	25.0	24.4	98	61-132	
Bromomethane	25.0	24.8	99	55-144	
Carbon disulfide	25.0	26.7	107	59-134	
Carbon tetrachloride	25.0	27.5	110	72-134	
Chlorobenzene	25.0	25.5	102	80-120	
Dibromochloromethane	25.0	25.6	102	75-125	
Chloroethane	25.0	24.9	100	69-136	
Chloroform	25.0	25.6	102	73-127	
Chloromethane	25.0	24.9	100	68-124	
cis-1,2-Dichloroethene	25.0	26.6	106	74-124	
cis-1,3-Dichloropropene	25.0	26.8	107	74-124	
Cyclohexane	25.0	27.6	110	59-135	
Dichlorodifluoromethane	25.0	27.2	109	59-135	
Ethylbenzene	25.0	27.2	109	77-123	
1,2-Dibromoethane	25.0	25.2	101	77-120	
Isopropylbenzene	25.0	27.4	110	77-122	
Methyl acetate	50.0	51.7	103	74-133	
Methyl tert-butyl ether	25.0	26.1	104	77-120	
Methylcyclohexane	25.0	28.6	114	68-134	
Methylene Chloride	25.0	24.4	98	75-124	
Styrene	25.0	26.6	107	80-120	
Tetrachloroethene	25.0	25.2	101	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T6266.D

Lab ID: LCS 480-545753/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	26.4	105	80-122	
trans-1,2-Dichloroethene	25.0	26.6	106	73-127	
trans-1,3-Dichloropropene	25.0	27.2	109	80-120	
Trichloroethene	25.0	27.2	109	74-123	
Trichlorofluoromethane	25.0	25.4	102	62-150	
Vinyl chloride	25.0	22.3	89	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T6233.D

Lab ID: 480-173788-24 MS Client ID: 442024-MW-103A MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	ND	53.0	106	73-126	
1,1,2,2-Tetrachloroethane	50.0	ND	46.8	94	76-120	
1,1,2-Trichloroethane	50.0	ND	52.9	106	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	ND	53.3	107	61-148	
1,1-Dichloroethane	50.0	ND	52.5	105	77-120	
1,1-Dichloroethene	50.0	ND	51.5	103	66-127	
1,2,4-Trichlorobenzene	50.0	ND	48.6	97	79-122	
1,2-Dibromo-3-Chloropropane	50.0	ND	42.8	86	56-134	
1,2-Dichlorobenzene	50.0	ND	51.6	103	80-124	
1,2-Dichloroethane	50.0	ND	51.4	103	75-120	
1,2-Dichloropropane	50.0	ND	57.6	115	76-120	
1,3-Dichlorobenzene	50.0	ND	51.6	103	77-120	
1,4-Dichlorobenzene	50.0	ND	50.4	101	78-124	
2-Butanone (MEK)	250	ND	282	113	57-140	
2-Hexanone	250	ND	282	113	65-127	
4-Methyl-2-pentanone (MIBK)	250	ND	286	114	71-125	
Acetone	250	ND	234	94	56-142	
Benzene	50.0	ND	56.9	114	71-124	
Bromodichloromethane	50.0	ND	54.0	108	80-122	
Bromoform	50.0	ND	48.8	98	61-132	
Bromomethane	50.0	ND	51.9	104	55-144	
Carbon disulfide	50.0	ND	47.9	96	59-134	
Carbon tetrachloride	50.0	ND	54.1	108	72-134	
Chlorobenzene	50.0	ND	52.1	104	80-120	
Dibromochloromethane	50.0	ND	52.9	106	75-125	
Chloroethane	50.0	ND	53.3	107	69-136	
Chloroform	50.0	ND	51.8	104	73-127	
Chloromethane	50.0	ND	52.6	105	68-124	
cis-1,2-Dichloroethene	50.0	9.4	62.4	106	74-124	
cis-1,3-Dichloropropene	50.0	ND	52.4	105	74-124	
Cyclohexane	50.0	ND	60.4	121	59-135	
Dichlorodifluoromethane	50.0	ND	61.3	123	59-135	
Ethylbenzene	50.0	ND	54.9	110	77-123	
1,2-Dibromoethane	50.0	ND	52.0	104	77-120	
Isopropylbenzene	50.0	ND	52.9	106	77-122	
Methyl acetate	100	ND	89.6	90	74-133	
Methyl tert-butyl ether	50.0	ND	49.1	98	77-120	
Methylcyclohexane	50.0	ND	55.0	110	68-134	
Methylene Chloride	50.0	ND	47.9	96	75-124	
Styrene	50.0	ND	52.1	104	80-120	
Tetrachloroethene	50.0	81	119	76	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T6233.D

Lab ID: 480-173788-24 MS Client ID: 442024-MW-103A MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	50.0	ND	54.3	109	80-122	
trans-1,2-Dichloroethene	50.0	ND	52.8	106	73-127	
trans-1,3-Dichloropropene	50.0	ND	52.1	104	80-120	
Trichloroethene	50.0	4.2	58.0	108	74-123	
Trichlorofluoromethane	50.0	ND	54.8	110	62-150	
Vinyl chloride	50.0	ND	50.0	100	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S0755.D

Lab ID: 480-173788-28 MS Client ID: 442024-MW-106A MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	ND	26.5	106	73-126	
1,1,2,2-Tetrachloroethane	25.0	ND	26.3	105	76-120	
1,1,2-Trichloroethane	25.0	ND	26.2	105	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	29.3	117	61-148	
1,1-Dichloroethane	25.0	ND	27.1	108	77-120	
1,1-Dichloroethene	25.0	ND	29.9	120	66-127	
1,2,4-Trichlorobenzene	25.0	ND	25.4	102	79-122	
1,2-Dibromo-3-Chloropropane	25.0	ND	25.4	101	56-134	
1,2-Dichlorobenzene	25.0	ND	25.6	102	80-124	
1,2-Dichloroethane	25.0	ND	26.2	105	75-120	
1,2-Dichloropropane	25.0	ND	27.8	111	76-120	
1,3-Dichlorobenzene	25.0	ND	25.2	101	77-120	
1,4-Dichlorobenzene	25.0	ND	24.7	99	78-124	
2-Butanone (MEK)	125	ND	135	108	57-140	
2-Hexanone	125	ND	145	116	65-127	
4-Methyl-2-pentanone (MIBK)	125	ND	140	112	71-125	
Acetone	125	ND	131	105	56-142	
Benzene	25.0	ND	27.1	108	71-124	
Bromodichloromethane	25.0	ND	25.7	103	80-122	
Bromoform	25.0	ND	22.5	90	61-132	
Bromomethane	25.0	ND	25.0	100	55-144	
Carbon disulfide	25.0	ND	26.3	105	59-134	
Carbon tetrachloride	25.0	ND	26.3	105	72-134	
Chlorobenzene	25.0	ND	26.1	104	80-120	
Dibromochloromethane	25.0	ND	24.5	98	75-125	
Chloroethane	25.0	ND	27.4	109	69-136	
Chloroform	25.0	ND	26.8	107	73-127	
Chloromethane	25.0	ND	27.8	111	68-124	
cis-1,2-Dichloroethene	25.0	ND	27.1	108	74-124	
cis-1,3-Dichloropropene	25.0	ND	25.2	101	74-124	
Cyclohexane	25.0	ND	27.7	111	59-135	
Dichlorodifluoromethane	25.0	ND	27.0	108	59-135	
Ethylbenzene	25.0	ND	26.2	105	77-123	
1,2-Dibromoethane	25.0	ND	25.8	103	77-120	
Isopropylbenzene	25.0	ND	26.0	104	77-122	
Methyl acetate	50.0	ND	51.2	102	74-133	
Methyl tert-butyl ether	25.0	ND	26.5	106	77-120	
Methylcyclohexane	25.0	ND	27.6	110	68-134	
Methylene Chloride	25.0	ND	29.0	116	75-124	
Styrene	25.0	ND	27.1	108	80-120	
Tetrachloroethene	25.0	ND	26.1	104	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S0755.D

Lab ID: 480-173788-28 MS Client ID: 442024-MW-106A MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	25.0	ND	26.3	105	80-122	
trans-1,2-Dichloroethene	25.0	ND	27.6	110	73-127	
trans-1,3-Dichloropropene	25.0	ND	24.8	99	80-120	
Trichloroethene	25.0	ND	26.2	105	74-123	
Trichlorofluoromethane	25.0	ND	26.5	106	62-150	
Vinyl chloride	25.0	ND	29.7	119	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T6234.D

Lab ID: 480-173788-24 MSD Client ID: 442024-MW-103A MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	54.6	109	3	15	73-126	
1,1,2,2-Tetrachloroethane	50.0	47.9	96	2	15	76-120	
1,1,2-Trichloroethane	50.0	49.7	99	6	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.9	106	1	20	61-148	
1,1-Dichloroethane	50.0	51.8	104	1	20	77-120	
1,1-Dichloroethene	50.0	49.1	98	5	16	66-127	
1,2,4-Trichlorobenzene	50.0	48.5	97	0	20	79-122	
1,2-Dibromo-3-Chloropropane	50.0	47.9	96	11	15	56-134	
1,2-Dichlorobenzene	50.0	51.0	102	1	20	80-124	
1,2-Dichloroethane	50.0	50.2	100	2	20	75-120	
1,2-Dichloropropane	50.0	56.8	114	1	20	76-120	
1,3-Dichlorobenzene	50.0	52.1	104	1	20	77-120	
1,4-Dichlorobenzene	50.0	50.1	100	1	20	78-124	
2-Butanone (MEK)	250	249	100	12	20	57-140	
2-Hexanone	250	283	113	0	15	65-127	
4-Methyl-2-pentanone (MIBK)	250	277	111	3	35	71-125	
Acetone	250	228	91	2	15	56-142	
Benzene	50.0	54.6	109	4	13	71-124	
Bromodichloromethane	50.0	52.6	105	3	15	80-122	
Bromoform	50.0	48.0	96	2	15	61-132	
Bromomethane	50.0	50.8	102	2	15	55-144	
Carbon disulfide	50.0	47.0	94	2	15	59-134	
Carbon tetrachloride	50.0	53.9	108	0	15	72-134	
Chlorobenzene	50.0	53.4	107	3	25	80-120	
Dibromochloromethane	50.0	51.4	103	3	15	75-125	
Chloroethane	50.0	52.9	106	1	15	69-136	
Chloroform	50.0	49.6	99	4	20	73-127	
Chloromethane	50.0	53.1	106	1	15	68-124	
cis-1,2-Dichloroethene	50.0	59.1	100	5	15	74-124	
cis-1,3-Dichloropropene	50.0	51.9	104	1	15	74-124	
Cyclohexane	50.0	52.6	105	14	20	59-135	
Dichlorodifluoromethane	50.0	60.8	122	1	20	59-135	
Ethylbenzene	50.0	53.2	106	3	15	77-123	
1,2-Dibromoethane	50.0	52.2	104	1	15	77-120	
Isopropylbenzene	50.0	54.1	108	2	20	77-122	
Methyl acetate	100	86.7	87	3	20	74-133	
Methyl tert-butyl ether	50.0	48.2	96	2	37	77-120	
Methylcyclohexane	50.0	54.0	108	2	20	68-134	
Methylene Chloride	50.0	46.5	93	3	15	75-124	
Styrene	50.0	53.6	107	3	20	80-120	
Tetrachloroethene	50.0	117	72	1	20	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T6234.D

Lab ID: 480-173788-24 MSD Client ID: 442024-MW-103A MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	50.0	53.3	107	2	15	80-122	
trans-1,2-Dichloroethene	50.0	52.0	104	2	20	73-127	
trans-1,3-Dichloropropene	50.0	50.6	101	3	15	80-120	
Trichloroethene	50.0	56.4	105	3	16	74-123	
Trichlorofluoromethane	50.0	51.7	103	6	20	62-150	
Vinyl chloride	50.0	49.5	99	1	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S0756.D

Lab ID: 480-173788-28 MSD Client ID: 442024-MW-106A MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.3	109	3	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	27.3	109	4	15	76-120	
1,1,2-Trichloroethane	25.0	25.7	103	2	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.9	112	5	20	61-148	
1,1-Dichloroethane	25.0	28.4	114	5	20	77-120	
1,1-Dichloroethene	25.0	29.1	116	3	16	66-127	
1,2,4-Trichlorobenzene	25.0	26.0	104	2	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	25.3	101	0	15	56-134	
1,2-Dichlorobenzene	25.0	26.0	104	1	20	80-124	
1,2-Dichloroethane	25.0	26.5	106	1	20	75-120	
1,2-Dichloropropane	25.0	27.8	111	0	20	76-120	
1,3-Dichlorobenzene	25.0	25.6	102	1	20	77-120	
1,4-Dichlorobenzene	25.0	25.2	101	2	20	78-124	
2-Butanone (MEK)	125	139	111	3	20	57-140	
2-Hexanone	125	137	110	5	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	135	108	3	35	71-125	
Acetone	125	131	105	0	15	56-142	
Benzene	25.0	27.5	110	1	13	71-124	
Bromodichloromethane	25.0	25.7	103	0	15	80-122	
Bromoform	25.0	22.3	89	1	15	61-132	
Bromomethane	25.0	25.3	101	1	15	55-144	
Carbon disulfide	25.0	26.2	105	1	15	59-134	
Carbon tetrachloride	25.0	26.5	106	0	15	72-134	
Chlorobenzene	25.0	25.4	101	3	25	80-120	
Dibromochloromethane	25.0	23.9	96	2	15	75-125	
Chloroethane	25.0	27.3	109	0	15	69-136	
Chloroform	25.0	26.8	107	0	20	73-127	
Chloromethane	25.0	28.0	112	1	15	68-124	
cis-1,2-Dichloroethene	25.0	27.3	109	1	15	74-124	
cis-1,3-Dichloropropene	25.0	25.6	102	1	15	74-124	
Cyclohexane	25.0	26.5	106	5	20	59-135	
Dichlorodifluoromethane	25.0	26.8	107	1	20	59-135	
Ethylbenzene	25.0	25.7	103	2	15	77-123	
1,2-Dibromoethane	25.0	26.3	105	2	15	77-120	
Isopropylbenzene	25.0	25.6	102	2	20	77-122	
Methyl acetate	50.0	51.9	104	1	20	74-133	
Methyl tert-butyl ether	25.0	27.0	108	2	37	77-120	
Methylcyclohexane	25.0	26.6	107	3	20	68-134	
Methylene Chloride	25.0	29.5	118	2	15	75-124	
Styrene	25.0	25.6	102	6	20	80-120	
Tetrachloroethene	25.0	25.1	100	4	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S0756.D

Lab ID: 480-173788-28 MSD Client ID: 442024-MW-106A MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	25.0	26.0	104	1	15	80-122	
trans-1,2-Dichloroethene	25.0	27.7	111	1	20	73-127	
trans-1,3-Dichloropropene	25.0	24.6	98	1	15	80-120	
Trichloroethene	25.0	26.0	104	1	16	74-123	
Trichlorofluoromethane	25.0	27.0	108	2	20	62-150	
Vinyl chloride	25.0	30.2	121	2	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Lab File ID: T6214.D Lab Sample ID: MB 480-545380/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5975T Date Analyzed: 08/17/2020 10:59

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-545380/5	T6212.D	08/17/2020 10:11
442024-TW-5	480-173788-13	T6220.D	08/17/2020 13:28
442024-MW-107A	480-173788-14	T6221.D	08/17/2020 13:52
442024-INJ-1	480-173788-15	T6222.D	08/17/2020 14:16
442024-MW-101A	480-173788-16	T6223.D	08/17/2020 14:40
442024-MW-105	480-173788-17	T6224.D	08/17/2020 15:03
442024-MW-2B	480-173788-18	T6225.D	08/17/2020 15:27
442024-MW-2	480-173788-19	T6226.D	08/17/2020 15:51
442024-MW-109	480-173788-20	T6227.D	08/17/2020 16:15
442024-FB-08102020	480-173788-23	T6228.D	08/17/2020 16:40
442024-MW-103A	480-173788-24	T6229.D	08/17/2020 17:04
442024-MW-105A	480-173788-25	T6230.D	08/17/2020 17:28
442024-FD-08102020	480-173788-26	T6231.D	08/17/2020 17:51
442024-MW-111	480-173788-27	T6232.D	08/17/2020 18:15
442024-MW-103A MS	480-173788-24 MS	T6233.D	08/17/2020 18:39
442024-MW-103A MSD	480-173788-24 MSD	T6234.D	08/17/2020 19:03

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Lab File ID: S0734.D Lab Sample ID: MB 480-545727/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5973S Date Analyzed: 08/19/2020 09:59

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-545727/5	S0732.D	08/19/2020 09:13
442024-INJ-3	480-173788-1	S0740.D	08/19/2020 12:51
442024-MW-3B	480-173788-2	S0741.D	08/19/2020 13:14
442024-MW-3	480-173788-3	S0742.D	08/19/2020 13:37
442024-MW-1B	480-173788-4	S0743.D	08/19/2020 14:00
442024-FB-08112020	480-173788-5	S0744.D	08/19/2020 14:23
442024-MW-108	480-173788-6	S0745.D	08/19/2020 14:46
442024-INJ-2	480-173788-7	S0746.D	08/19/2020 15:09
442024-MW-1	480-173788-8	S0747.D	08/19/2020 15:32
442024-MW-4B	480-173788-9	S0748.D	08/19/2020 15:55
442024-MW-104	480-173788-10	S0749.D	08/19/2020 16:18
442024-MW-4	480-173788-11	S0750.D	08/19/2020 16:41
442024-MW-108A	480-173788-12	S0751.D	08/19/2020 17:04
442024-FD-08112020	480-173788-21	S0752.D	08/19/2020 17:27
442024-MW-106	480-173788-22	S0753.D	08/19/2020 17:50
442024-MW-106A	480-173788-28	S0754.D	08/19/2020 18:13
442024-MW-106A MS	480-173788-28 MS	S0755.D	08/19/2020 18:36
442024-MW-106A MSD	480-173788-28 MSD	S0756.D	08/19/2020 18:59

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Lab File ID: T6268.D Lab Sample ID: MB 480-545753/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5975T Date Analyzed: 08/19/2020 11:08

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-545753/5	T6266.D	08/19/2020 10:20
442024-TB-08112020	480-173788-29	T6279.D	08/19/2020 15:40

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Lab File ID: BFB Injection Date:

Instrument ID: BFB Injection Time:

Lab File ID: DFTPP Injection Date:

Instrument ID: DFTPP Injection Time:

Analysis Batch No.:

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 480-545354/8	S0655.D	08/16/2020	21:31

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Lab File ID: S0620.D BFB Injection Date: 08/14/2020

Instrument ID: HP5973S BFB Injection Time: 12:26

Analysis Batch No.: 545200

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.8	
75	30.0 - 60.0 % of mass 95	51.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.2	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	Greater than 50% of mass 95	78.8	
175	5.0 - 9.0 % of mass 174	6.7	(8.5) 1
176	95.0 - 101.0 % of mass 174	78.7	(100.0) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-545200/7	S0622.D	08/14/2020	13:35
	IC 480-545200/8	S0623.D	08/14/2020	13:58
	IC 480-545200/9	S0624.D	08/14/2020	14:21
	IC 480-545200/10	S0625.D	08/14/2020	14:46
	IC 480-545200/11	S0626.D	08/14/2020	15:09
	ICIS 480-545200/12	S0627.D	08/14/2020	15:32
	IC 480-545200/13	S0628.D	08/14/2020	15:55
	IC 480-545200/14	S0629.D	08/14/2020	16:18

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Lab File ID: S0729.D BFB Injection Date: 08/19/2020

Instrument ID: HP5973S BFB Injection Time: 08:00

Analysis Batch No.: 545727

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.0	
75	30.0 - 60.0 % of mass 95	48.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.3	(0.3) 1
174	Greater than 50% of mass 95	81.1	
175	5.0 - 9.0 % of mass 174	6.8	(8.4) 1
176	95.0 - 101.0 % of mass 174	78.6	(96.9) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.3) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-545727/3	S0730.D	08/19/2020	8:26
	LCS 480-545727/5	S0732.D	08/19/2020	9:13
	MB 480-545727/7	S0734.D	08/19/2020	9:59
442024-INJ-3	480-173788-1	S0740.D	08/19/2020	12:51
442024-MW-3B	480-173788-2	S0741.D	08/19/2020	13:14
442024-MW-3	480-173788-3	S0742.D	08/19/2020	13:37
442024-MW-1B	480-173788-4	S0743.D	08/19/2020	14:00
442024-FB-08112020	480-173788-5	S0744.D	08/19/2020	14:23
442024-MW-108	480-173788-6	S0745.D	08/19/2020	14:46
442024-INJ-2	480-173788-7	S0746.D	08/19/2020	15:09
442024-MW-1	480-173788-8	S0747.D	08/19/2020	15:32
442024-MW-4B	480-173788-9	S0748.D	08/19/2020	15:55
442024-MW-104	480-173788-10	S0749.D	08/19/2020	16:18
442024-MW-4	480-173788-11	S0750.D	08/19/2020	16:41
442024-MW-108A	480-173788-12	S0751.D	08/19/2020	17:04
442024-FD-08112020	480-173788-21	S0752.D	08/19/2020	17:27
442024-MW-106	480-173788-22	S0753.D	08/19/2020	17:50
442024-MW-106A	480-173788-28	S0754.D	08/19/2020	18:13
442024-MW-106A MS	480-173788-28 MS	S0755.D	08/19/2020	18:36
442024-MW-106A MSD	480-173788-28 MSD	S0756.D	08/19/2020	18:59

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Lab File ID: T5151.D BFB Injection Date: 07/08/2020

Instrument ID: HP5975T BFB Injection Time: 12:33

Analysis Batch No.: 539638

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	24.1
75	30.0 - 60.0 % of mass 95	47.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.7 (0.9) 1
174	Greater than 50% of mass 95	84.9
175	5.0 - 9.0 % of mass 174	6.6 (7.8) 1
176	95.0 - 101.0 % of mass 174	82.5 (97.2) 1
177	5.0 - 9.0 % of mass 176	5.8 (7.1) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-539638/6	T5152.D	07/08/2020	12:57
	IC 480-539638/7	T5154.D	07/08/2020	13:23
	IC 480-539638/8	T5155.D	07/08/2020	13:47
	IC 480-539638/9	T5156.D	07/08/2020	14:11
	IC 480-539638/10	T5157.D	07/08/2020	14:35
	ICIS 480-539638/11	T5158.D	07/08/2020	14:59
	IC 480-539638/12	T5159.D	07/08/2020	15:23
	IC 480-539638/13	T5160.D	07/08/2020	15:46
	ICV 480-539638/27	T5174.D	07/08/2020	21:22

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Lab File ID: T6209.D BFB Injection Date: 08/17/2020

Instrument ID: HP5975T BFB Injection Time: 08:57

Analysis Batch No.: 545380

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.6	
75	30.0 - 60.0 % of mass 95	49.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	86.1	
175	5.0 - 9.0 % of mass 174	5.2	(6.0) 1
176	95.0 - 101.0 % of mass 174	85.5	(99.4) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.2) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-545380/3	T6210.D	08/17/2020	9:23
	LCS 480-545380/5	T6212.D	08/17/2020	10:11
	MB 480-545380/7	T6214.D	08/17/2020	10:59
442024-TW-5	480-173788-13	T6220.D	08/17/2020	13:28
442024-MW-107A	480-173788-14	T6221.D	08/17/2020	13:52
442024-INJ-1	480-173788-15	T6222.D	08/17/2020	14:16
442024-MW-101A	480-173788-16	T6223.D	08/17/2020	14:40
442024-MW-105	480-173788-17	T6224.D	08/17/2020	15:03
442024-MW-2B	480-173788-18	T6225.D	08/17/2020	15:27
442024-MW-2	480-173788-19	T6226.D	08/17/2020	15:51
442024-MW-109	480-173788-20	T6227.D	08/17/2020	16:15
442024-FB-08102020	480-173788-23	T6228.D	08/17/2020	16:40
442024-MW-103A	480-173788-24	T6229.D	08/17/2020	17:04
442024-MW-105A	480-173788-25	T6230.D	08/17/2020	17:28
442024-FD-08102020	480-173788-26	T6231.D	08/17/2020	17:51
442024-MW-111	480-173788-27	T6232.D	08/17/2020	18:15
442024-MW-103A MS	480-173788-24 MS	T6233.D	08/17/2020	18:39
442024-MW-103A MSD	480-173788-24 MSD	T6234.D	08/17/2020	19:03

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Lab File ID: T6263.D BFB Injection Date: 08/19/2020

Instrument ID: HP5975T BFB Injection Time: 09:09

Analysis Batch No.: 545753

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.6	
75	30.0 - 60.0 % of mass 95	55.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	0.7	(0.8) 1
174	Greater than 50% of mass 95	84.9	
175	5.0 - 9.0 % of mass 174	6.6	(7.8) 1
176	95.0 - 101.0 % of mass 174	83.8	(98.7) 1
177	5.0 - 9.0 % of mass 176	6.2	(7.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-545753/3	T6264.D	08/19/2020	9:32
	LCS 480-545753/5	T6266.D	08/19/2020	10:20
	MB 480-545753/7	T6268.D	08/19/2020	11:08
442024-TB-08112020	480-173788-29	T6279.D	08/19/2020	15:40

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Sample No.: ICIS 480-545200/12 Date Analyzed: 08/14/2020 15:32

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S0627.D Heated Purge: (Y/N) N

Calibration ID: 40101

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		183428	5.35	379538	8.34	360857	10.74
UPPER LIMIT		366856	5.85	759076	8.84	721714	11.24
LOWER LIMIT		91714	4.85	189769	7.84	180429	10.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-545727/3		167762	5.35	361665	8.34	345816	10.74

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Sample No.: CCVIS 480-545727/3 Date Analyzed: 08/19/2020 08:26

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S0730.D Heated Purge: (Y/N) N

Calibration ID: 40104

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		167762	5.35	361665	8.34	345816	10.74
UPPER LIMIT		335524	5.85	723330	8.84	691632	11.24
LOWER LIMIT		83881	4.85	180833	7.84	172908	10.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-545727/5		174831	5.35	368673	8.34	344089	10.74
MB 480-545727/7		179377	5.35	366461	8.34	362851	10.74
480-173788-1	442024-INJ-3	177804	5.35	374882	8.34	360128	10.74
480-173788-2	442024-MW-3B	180384	5.35	370621	8.34	366625	10.74
480-173788-3	442024-MW-3	178231	5.35	374096	8.34	362457	10.74
480-173788-4	442024-MW-1B	177939	5.35	369795	8.34	354731	10.73
480-173788-5	442024-FB-08112020	176248	5.35	357673	8.34	350493	10.74
480-173788-6	442024-MW-108	174503	5.35	367698	8.34	353873	10.74
480-173788-7	442024-INJ-2	179955	5.35	368413	8.34	351093	10.74
480-173788-8	442024-MW-1	179808	5.35	367800	8.34	362546	10.74
480-173788-9	442024-MW-4B	181546	5.35	364908	8.34	357938	10.74
480-173788-10	442024-MW-104	184578	5.35	376436	8.34	356386	10.74
480-173788-11	442024-MW-4	178875	5.35	364448	8.34	347940	10.74
480-173788-12	442024-MW-108A	182534	5.35	360335	8.34	359211	10.74
480-173788-21	442024-FD-08112020	180205	5.35	363129	8.34	358558	10.74
480-173788-22	442024-MW-106	180936	5.35	368926	8.34	356946	10.74
480-173788-28	442024-MW-106A	175564	5.35	367225	8.34	353131	10.74
480-173788-28 MS	442024-MW-106A MS	168346	5.35	351990	8.34	345454	10.73
480-173788-28 MSD	442024-MW-106A MSD	168607	5.35	360222	8.34	341580	10.74

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Sample No.: ICIS 480-539638/11 Date Analyzed: 07/08/2020 14:59

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): T5158.D Heated Purge: (Y/N) N

Calibration ID: 39886

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		186211	4.71	707159	7.00	416687	8.86
UPPER LIMIT		372422	5.21	1414318	7.50	833374	9.36
LOWER LIMIT		93106	4.21	353580	6.50	208344	8.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-539638/27		193765	4.70	703371	7.00	424316	8.86
CCVIS 480-545380/3		145443	4.71	534602	7.00	309140	8.86
CCVIS 480-545753/3		234098	4.71	850377	7.00	495837	8.86

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Sample No.: CCVIS 480-545380/3 Date Analyzed: 08/17/2020 09:23

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): T6210.D Heated Purge: (Y/N) N

Calibration ID: 39883

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		145443	4.71	534602	7.00	309140	8.86
UPPER LIMIT		290886	5.21	1069204	7.50	618280	9.36
LOWER LIMIT		72722	4.21	267301	6.50	154570	8.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-545380/5		135891	4.71	546535	7.00	321915	8.86
MB 480-545380/7		145637	4.70	531640	7.00	306821	8.86
480-173788-13	442024-TW-5	140935	4.71	519654	7.00	295491	8.86
480-173788-14	442024-MW-107A	137225	4.71	512440	7.00	283343	8.86
480-173788-15	442024-INJ-1	134372	4.71	507151	7.00	281820	8.86
480-173788-16	442024-MW-101A	129523	4.71	502753	7.00	283608	8.86
480-173788-17	442024-MW-105	130805	4.71	506634	7.00	277739	8.86
480-173788-18	442024-MW-2B	127068	4.71	497959	7.00	289936	8.86
480-173788-19	442024-MW-2	123336	4.71	514011	7.00	284317	8.86
480-173788-20	442024-MW-109	115675	4.71	502999	7.00	287800	8.86
480-173788-23	442024-FB-08102020	133985	4.71	518785	7.00	280616	8.86
480-173788-24	442024-MW-103A	129446	4.71	523866	7.00	292834	8.86
480-173788-25	442024-MW-105A	123830	4.71	511721	7.00	284160	8.86
480-173788-26	442024-FD-08102020	130760	4.71	498381	7.00	281247	8.86
480-173788-27	442024-MW-111	129340	4.71	465606	7.00	284282	8.86
480-173788-24 MS	442024-MW-103A MS	134929	4.71	507922	7.00	310367	8.86
480-173788-24 MSD	442024-MW-103A MSD	145352	4.71	538246	7.00	321540	8.86

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-173788-1

SDG No.:

Sample No.: CCVIS 480-545753/3 Date Analyzed: 08/19/2020 09:32

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): T6264.D Heated Purge: (Y/N) N

Calibration ID: 39883

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		234098	4.71	850377	7.00	495837	8.86
UPPER LIMIT		468196	5.21	1700754	7.50	991674	9.36
LOWER LIMIT		117049	4.21	425189	6.50	247919	8.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-545753/5		239530	4.71	847064	7.00	506980	8.86
MB 480-545753/7		212343	4.71	853667	7.00	492536	8.86
480-173788-29	442024-TB-08112020	191545	4.71	765081	7.00	428053	8.86

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0740.D
Lims ID: 480-173788-C-1
Client ID: 442024-INJ-3
Sample Type: Client
Inject. Date: 19-Aug-2020 12:51:30 ALS Bottle#: 6 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-173788-B-1
Misc. Info.: 480-0092846-013
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:46:45 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1039

First Level Reviewer: moffata Date: 20-Aug-2020 07:43:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	177804	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	85	374882	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	95	360128	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.768	4.774	-0.006	61	211113	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	91	148291	25.5	
$ 5 Toluene-d8 (Surr)	98	6.854	6.860	-0.006	95	867128	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	273121	24.4	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	U
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43	2.705	2.705	0.000	98	70940	13.8	
26 Carbon disulfide	76	2.772	2.778	-0.006	87	18522	0.6362	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96	4.305	4.299	0.006	30	5819	0.5172	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	99	2067329	272.4	
50 Chloroform	83		4.616				ND	U
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95	5.692	5.692	0.000	80	10459	0.9796	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166	7.450	7.451	-0.001	91	64414	5.77	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

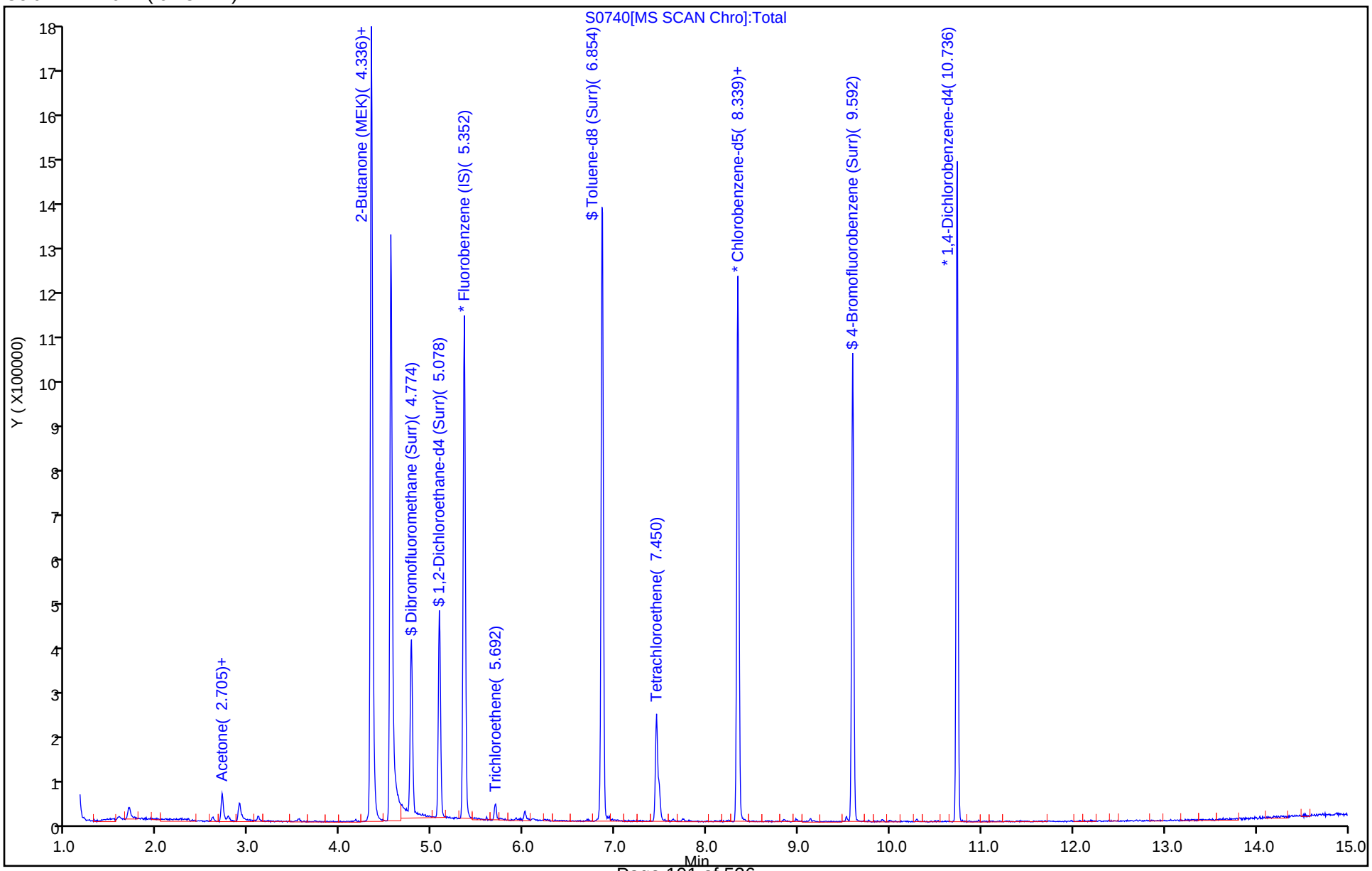
Report Date: 24-Aug-2020 14:04:58 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0740.D

Injection Date:	19-Aug-2020 12:51:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-C-1	Lab Sample ID:	480-173788-1	Worklist Smp#:	13
Client ID:	442024-INJ-3				
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



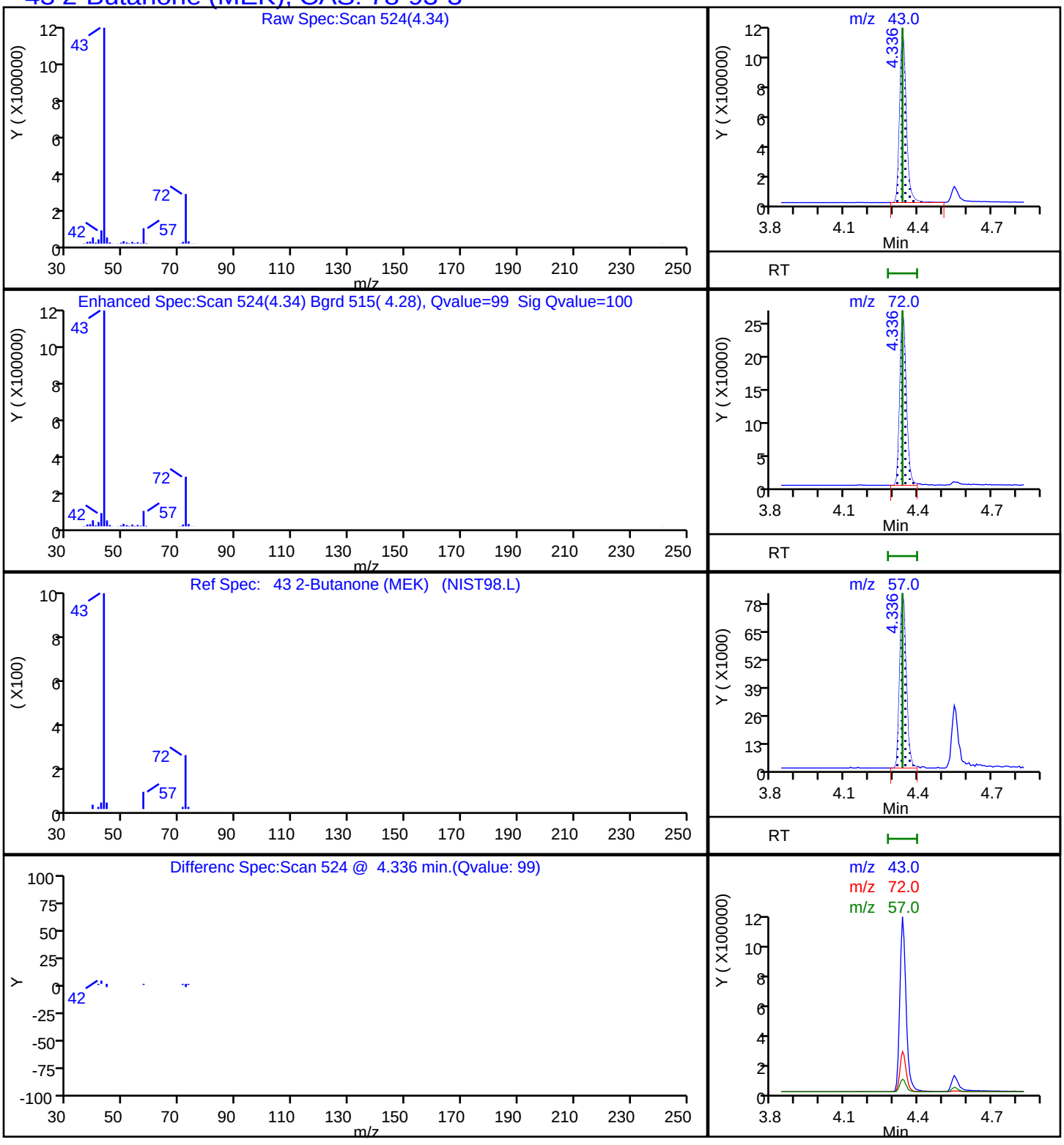
Report Date: 24-Aug-2020 14:04:58 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0740.D

Injection Date:	19-Aug-2020 12:51:30	Instrument ID:	HP5973S
Lims ID:	480-173788-C-1	Lab Sample ID:	480-173788-1
Client ID:	442024-INJ-3		
Operator ID:	AM	ALS Bottle#:	6 Worklist Smp#: 13
Purge Vol:	5.000 mL	Dil. Factor:	20.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3



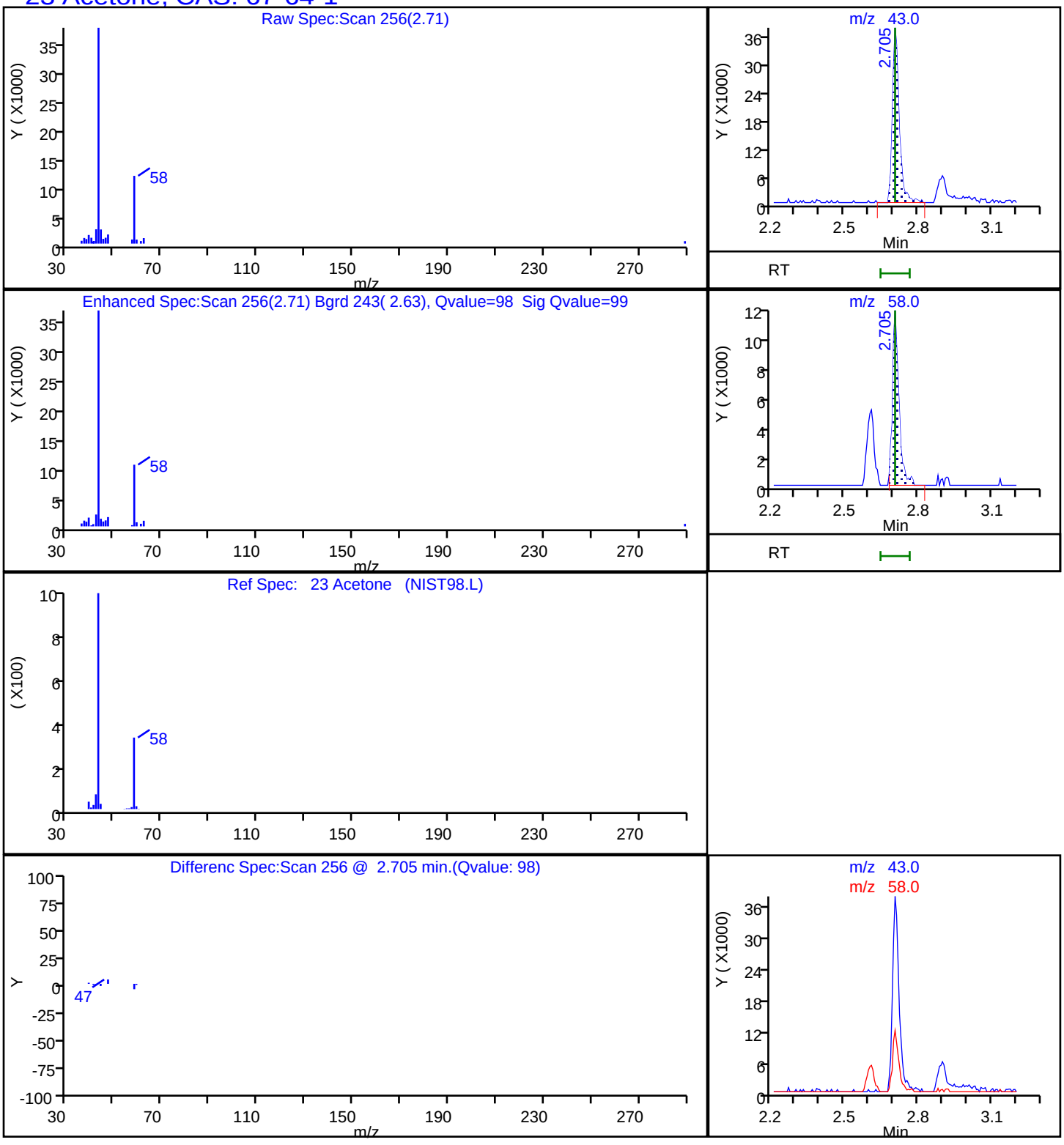
Report Date: 24-Aug-2020 14:04:58 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0740.D

Injection Date:	19-Aug-2020 12:51:30	Instrument ID:	HP5973S
Lims ID:	480-173788-C-1	Lab Sample ID:	480-173788-1
Client ID:	442024-INJ-3		
Operator ID:	AM	ALS Bottle#:	6 Worklist Smp#: 13
Purge Vol:	5.000 mL	Dil. Factor:	20.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

23 Acetone, CAS: 67-64-1

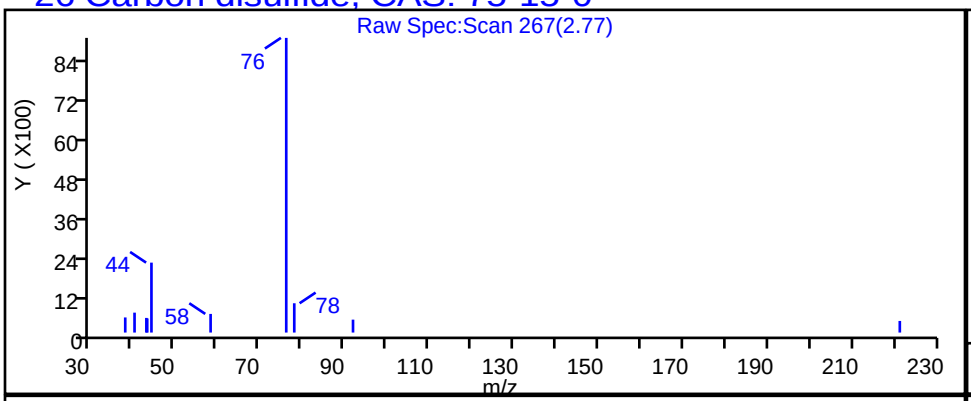


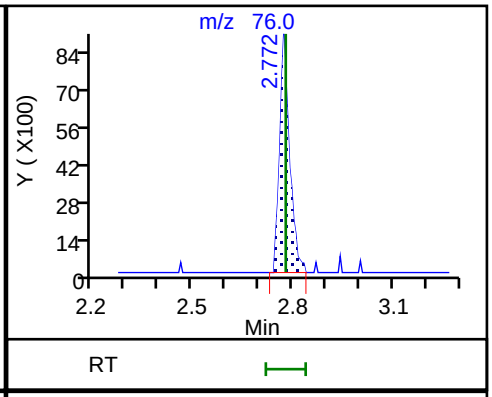
Report Date: 24-Aug-2020 14:04:58 Chrom Revision: 2.3 20-Aug-2020 13:57:12

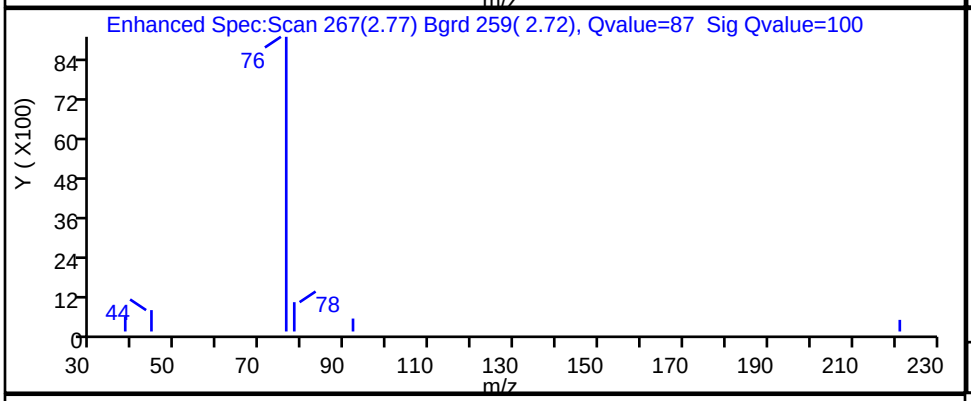
Eurofins TestAmerica, Buffalo

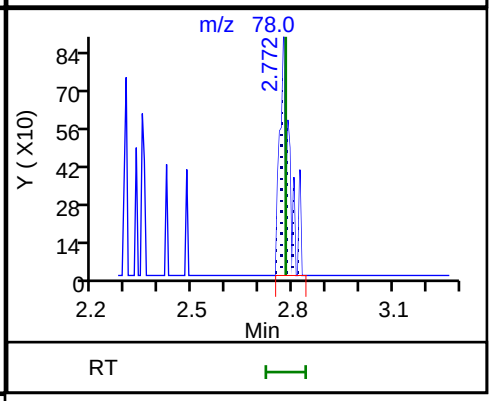
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0740.D		
Injection Date:	19-Aug-2020 12:51:30	Instrument ID:	HP5973S
Lims ID:	480-173788-C-1	Lab Sample ID:	480-173788-1
Client ID:	442024-INJ-3		
Operator ID:	AM	ALS Bottle#:	6 Worklist Smp#: 13
Purge Vol:	5.000 mL	Dil. Factor:	20.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

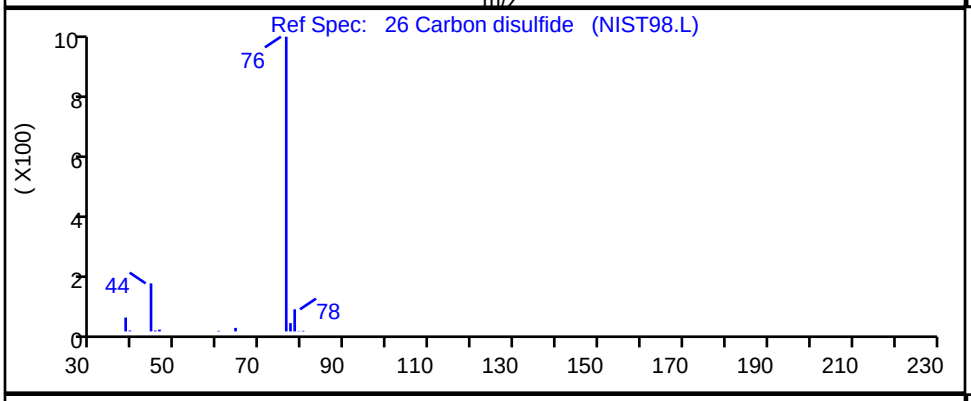
26 Carbon disulfide, CAS: 75-15-0

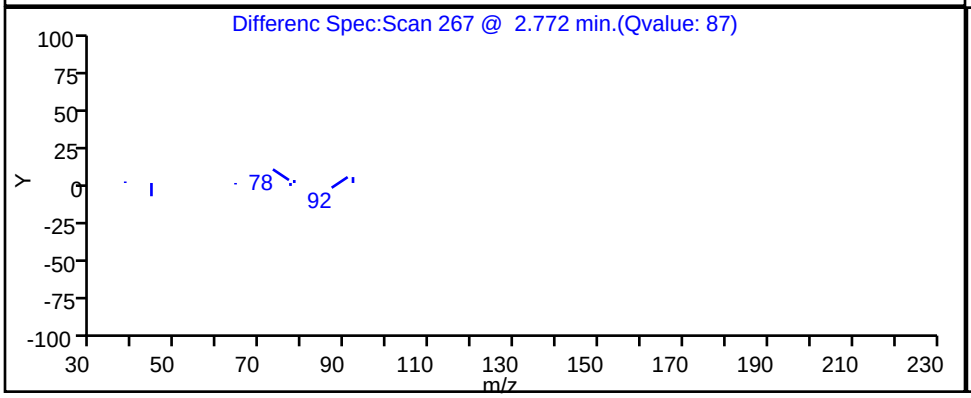


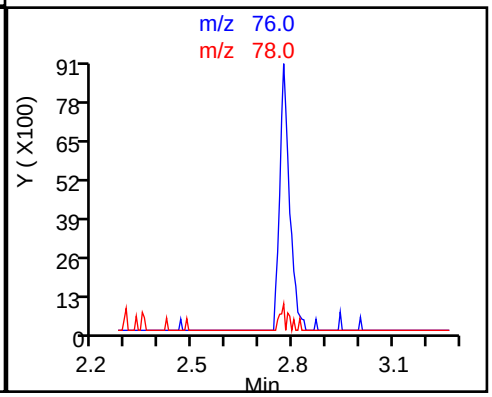












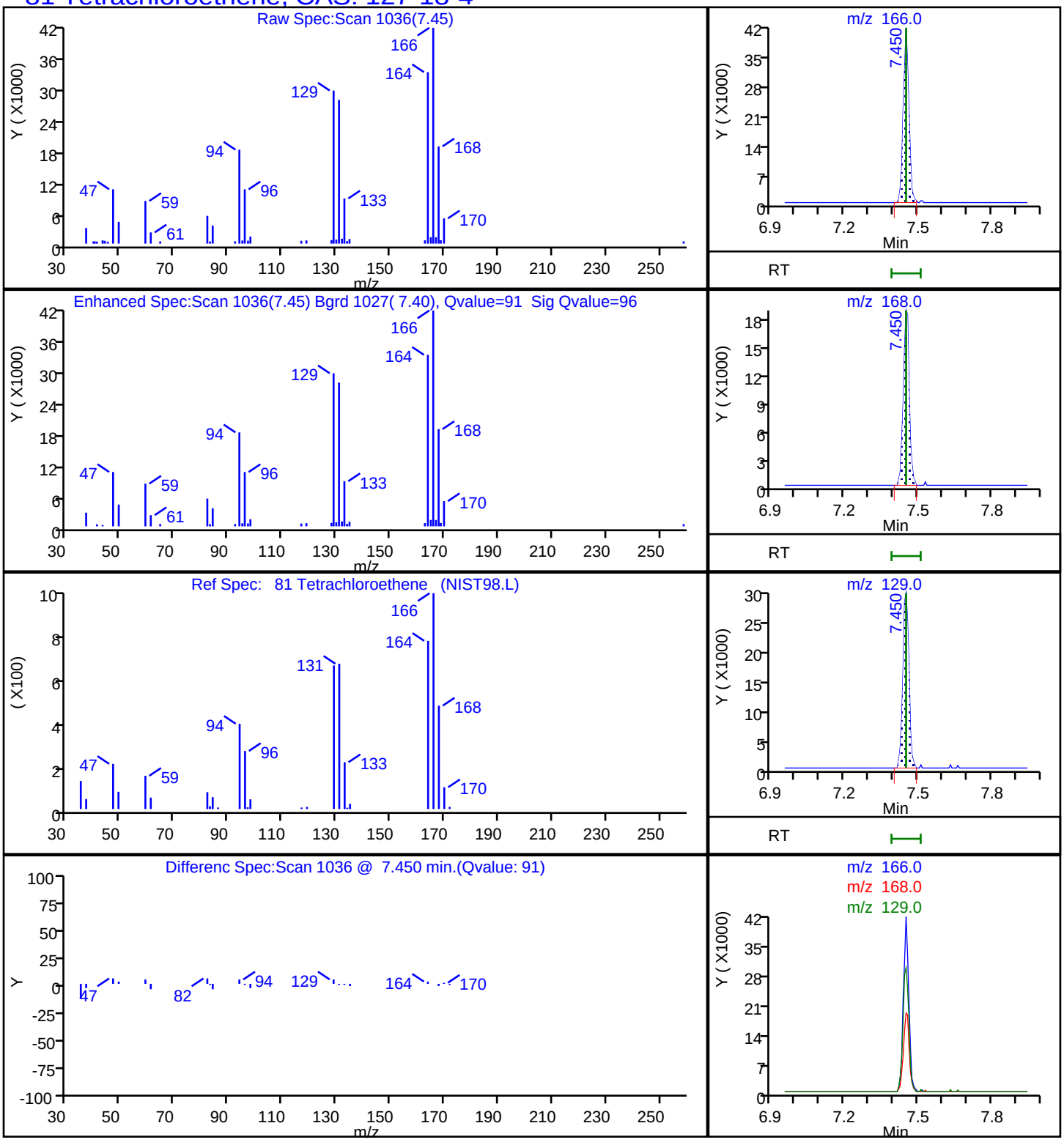
Report Date: 24-Aug-2020 14:04:58 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0740.D

Injection Date:	19-Aug-2020 12:51:30	Instrument ID:	HP5973S
Lims ID:	480-173788-C-1	Lab Sample ID:	480-173788-1
Client ID:	442024-INJ-3		
Operator ID:	AM	ALS Bottle#:	6 Worklist Smp#: 13
Purge Vol:	5.000 mL	Dil. Factor:	20.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

81 Tetrachloroethene, CAS: 127-18-4

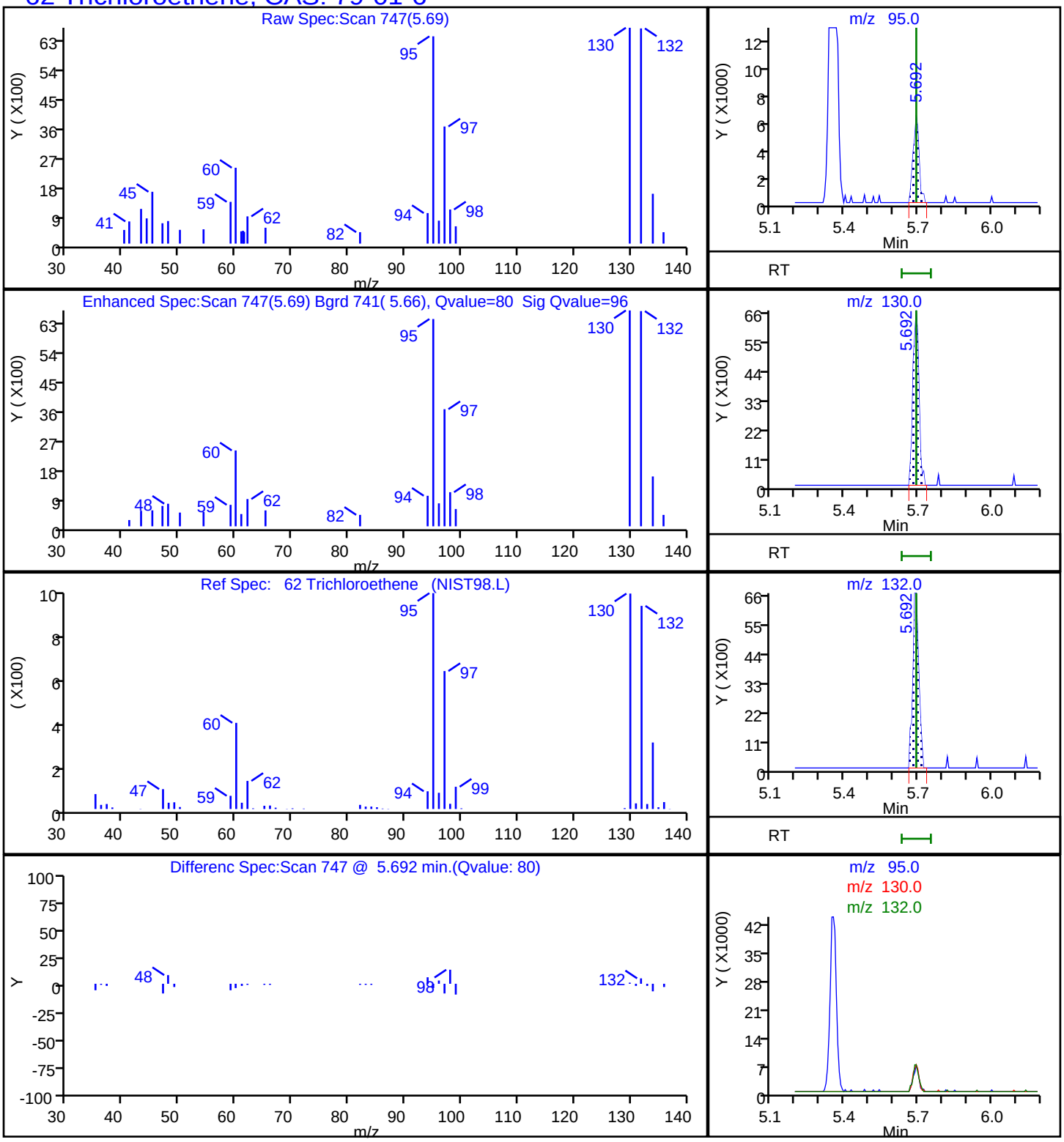


Report Date: 24-Aug-2020 14:04:58 Chrom Revision: 2.3 20-Aug-2020 13:57:12

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0740.D				
Injection Date:	19-Aug-2020 12:51:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-C-1	Lab Sample ID:	480-173788-1		
Client ID:	442024-INJ-3				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



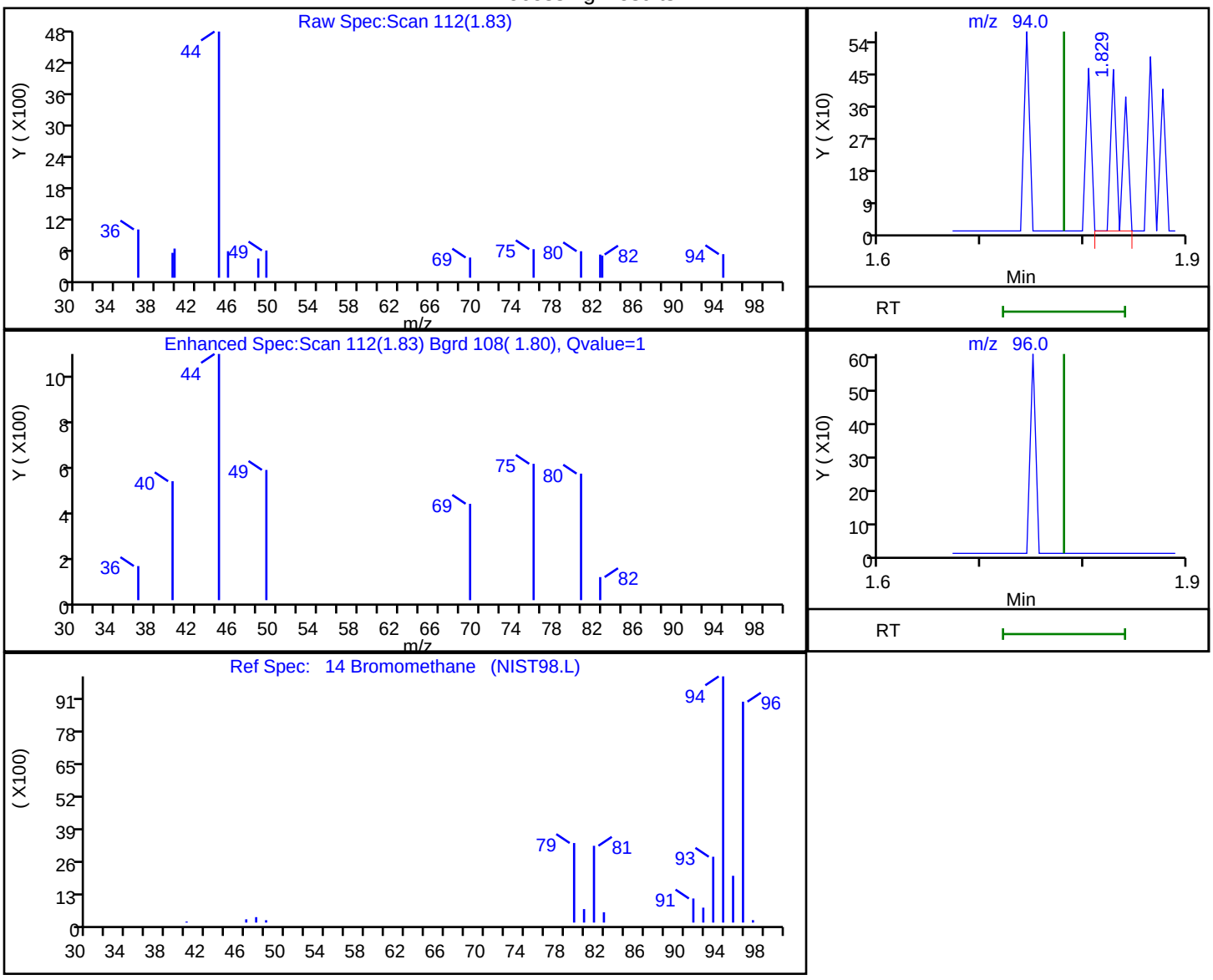
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0740.D				
Injection Date:	19-Aug-2020 12:51:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-C-1	Lab Sample ID:	480-173788-1		
Client ID:	442024-INJ-3				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.83	94.00	307	0.037269
1.78	96.00	0	

Reviewer: moffata, 20-Aug-2020 07:43:23

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

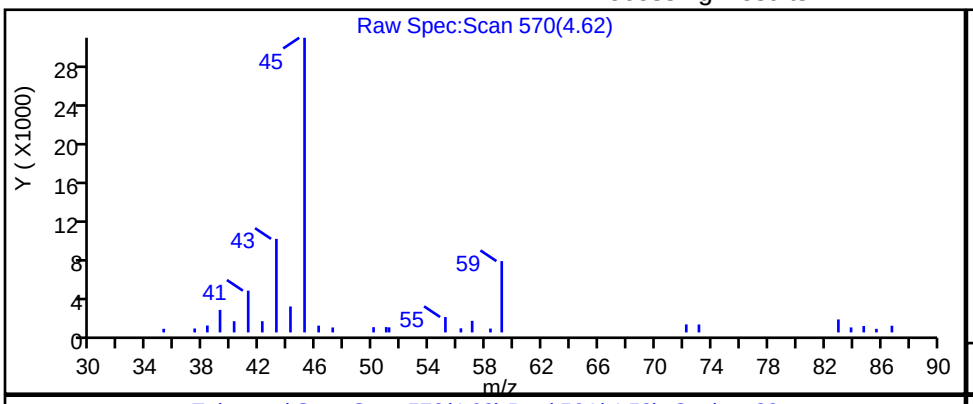
User Disabled Compound Report

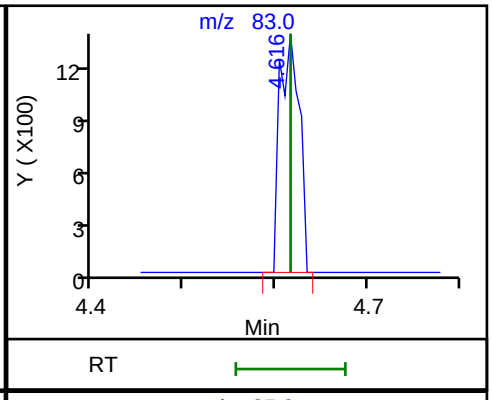
Eurofins TestAmerica, Buffalo

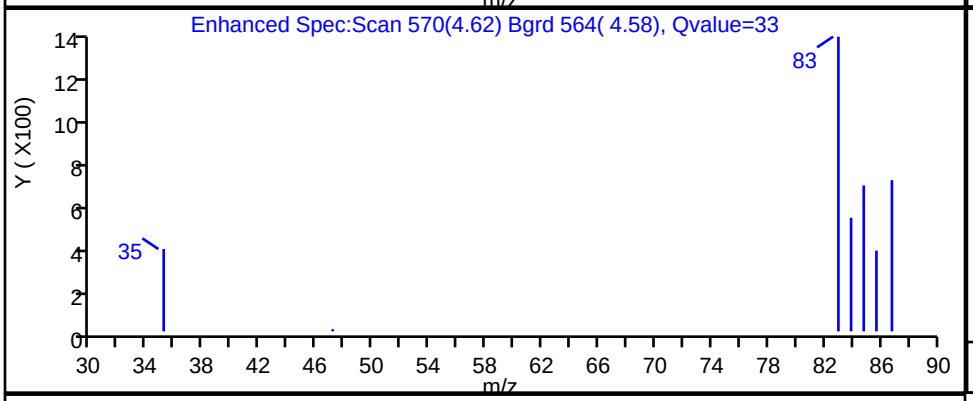
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0740.D				
Injection Date:	19-Aug-2020 12:51:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-C-1	Lab Sample ID:	480-173788-1		
Client ID:	442024-INJ-3				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

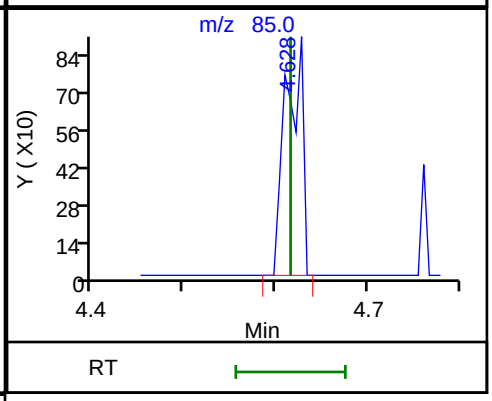
50 Chloroform, CAS: 67-66-3

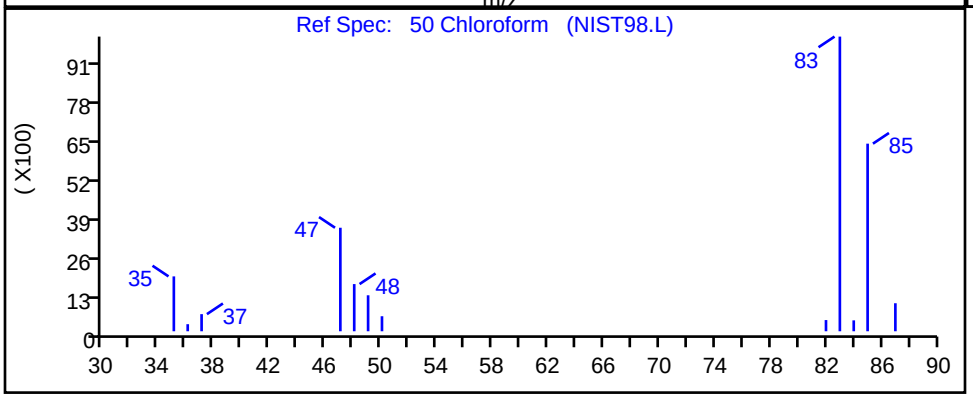
Processing Results











RT	Mass	Response	Amount
4.62	83.00	1978	0.106797
4.63	85.00	1177	

Reviewer: moffata, 20-Aug-2020 07:43:30

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

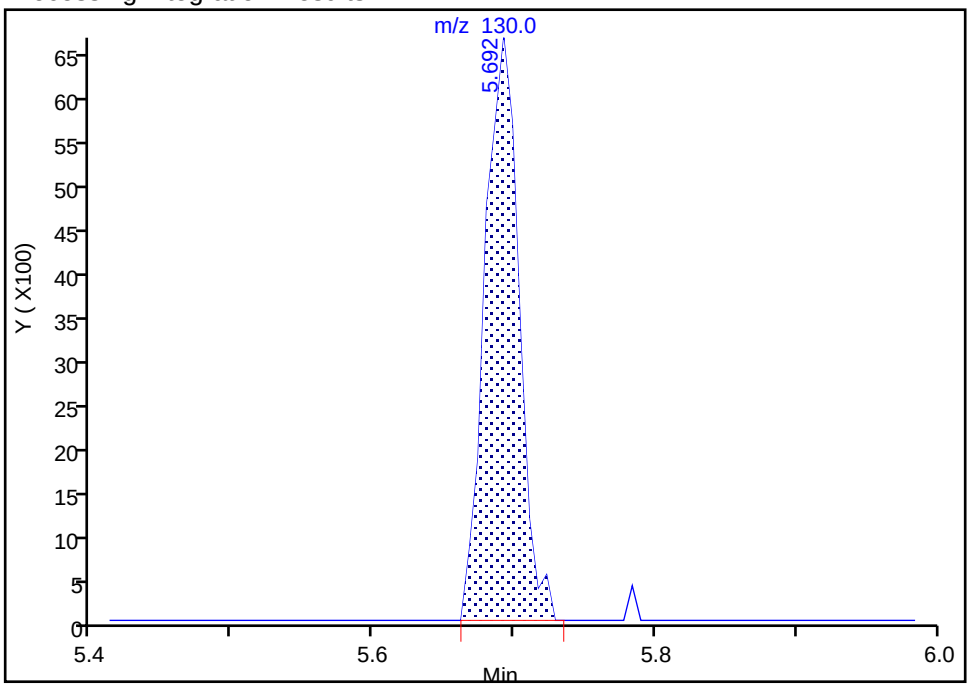
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0740.D				
Injection Date:	19-Aug-2020 12:51:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-C-1	Lab Sample ID:	480-173788-1		
Client ID:	442024-INJ-3				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6

Signal: 2

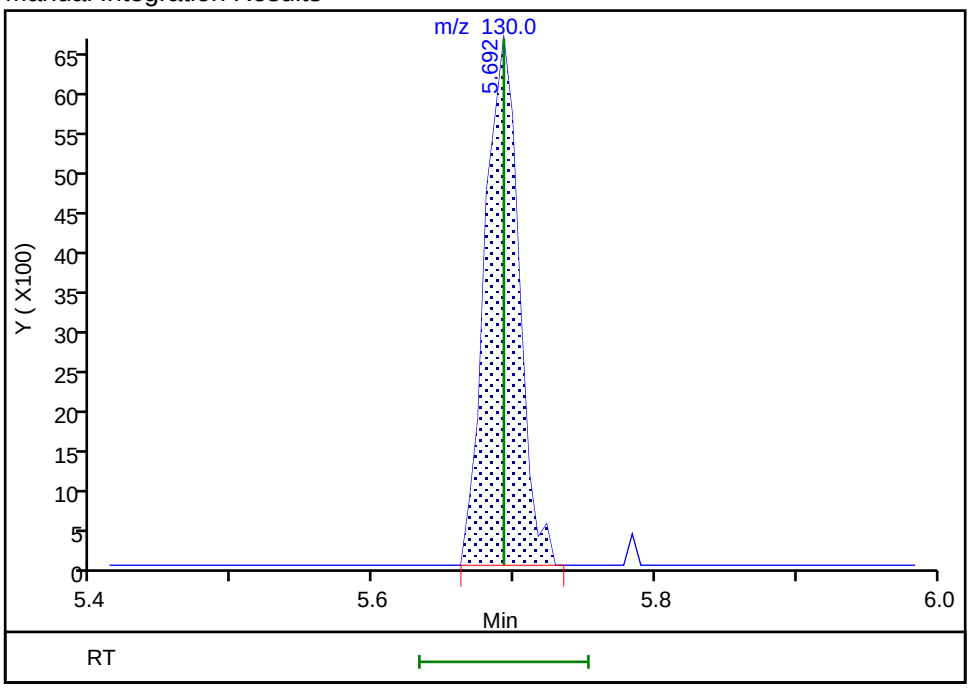
Processing Integration Results

RT: 5.69
Area: 11233
Amount: 0.979641
Amount Units: ug/L



Manual Integration Results

RT: 5.69
Area: 11233
Amount: 0.979641
Amount Units: ug/L



Reviewer: moffata, 20-Aug-2020 07:43:32

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

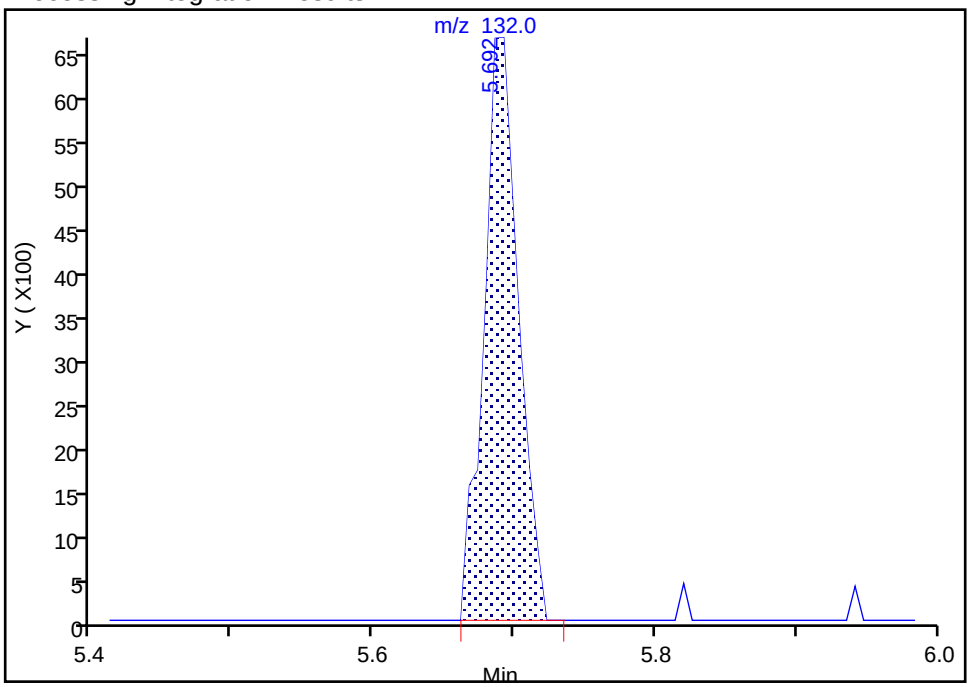
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0740.D				
Injection Date:	19-Aug-2020 12:51:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-C-1	Lab Sample ID:	480-173788-1		
Client ID:	442024-INJ-3				
Operator ID:	AM	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6

Signal: 3

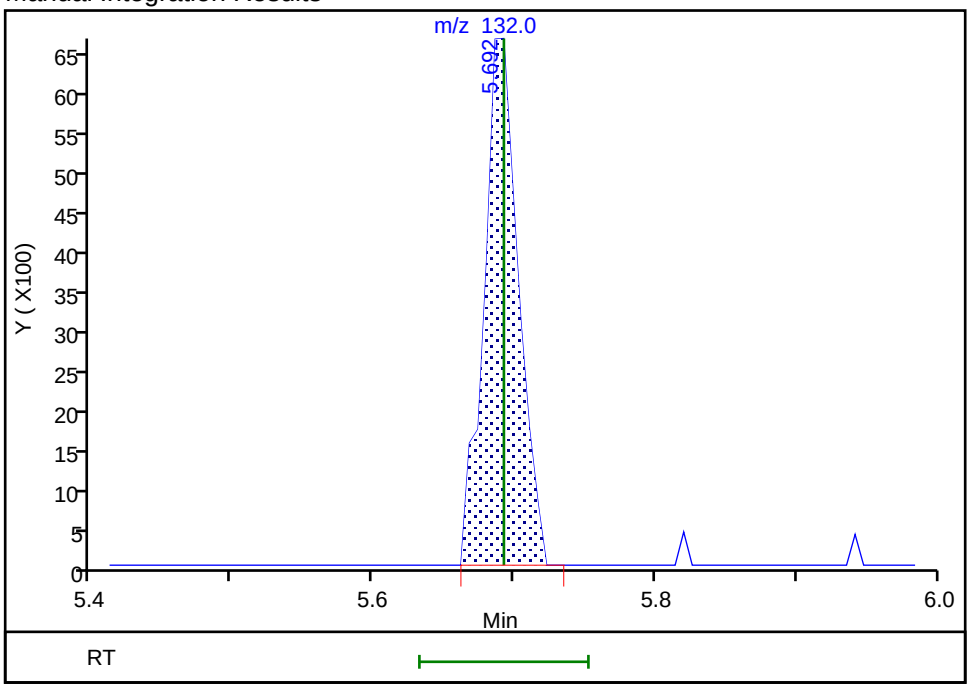
Processing Integration Results

RT: 5.69
Area: 11287
Amount: 0.979641
Amount Units: ug/L



Manual Integration Results

RT: 5.69
Area: 11287
Amount: 0.979641
Amount Units: ug/L



Reviewer: moffata, 20-Aug-2020 07:43:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0741.D
Lims ID: 480-173788-B-2
Client ID: 442024-MW-3B
Sample Type: Client
Inject. Date: 19-Aug-2020 13:14:30 ALS Bottle#: 7 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-2
Misc. Info.: 480-0092846-014
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:43:37 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:43:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	180384	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	85	370621	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	95	366625	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	58	214905	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	93	149491	25.3	
$ 5 Toluene-d8 (Surr)	98	6.860	6.860	0.000	94	852263	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	272663	24.6	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.616				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

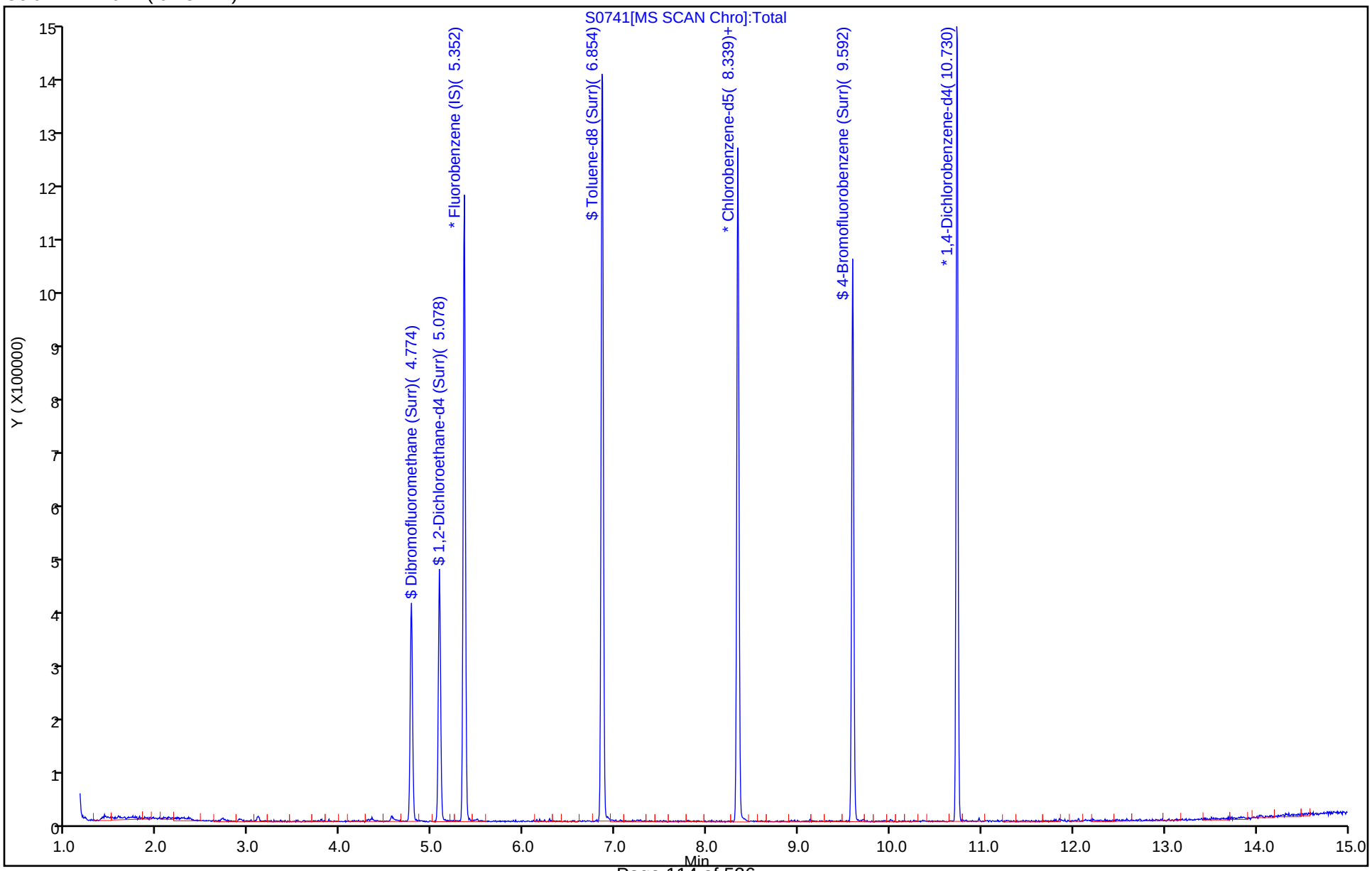
Report Date: 20-Aug-2020 07:43:49 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0741.D

Injection Date:	19-Aug-2020 13:14:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-2	Lab Sample ID:	480-173788-2	Worklist Smp#:	14
Client ID:	442024-MW-3B				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0742.D
Lims ID: 480-173788-B-3
Client ID: 442024-MW-3
Sample Type: Client
Inject. Date: 19-Aug-2020 13:37:30 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-3
Misc. Info.: 480-0092846-015
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:43:58 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:43:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.351	5.352	-0.001	98	178231	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	374096	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.735	10.736	-0.001	95	362457	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	61	212477	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	93	147360	25.3	
$ 5 Toluene-d8 (Surr)	98	6.860	6.860	0.000	93	854885	24.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	281623	25.2	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	U
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	U
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.616				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

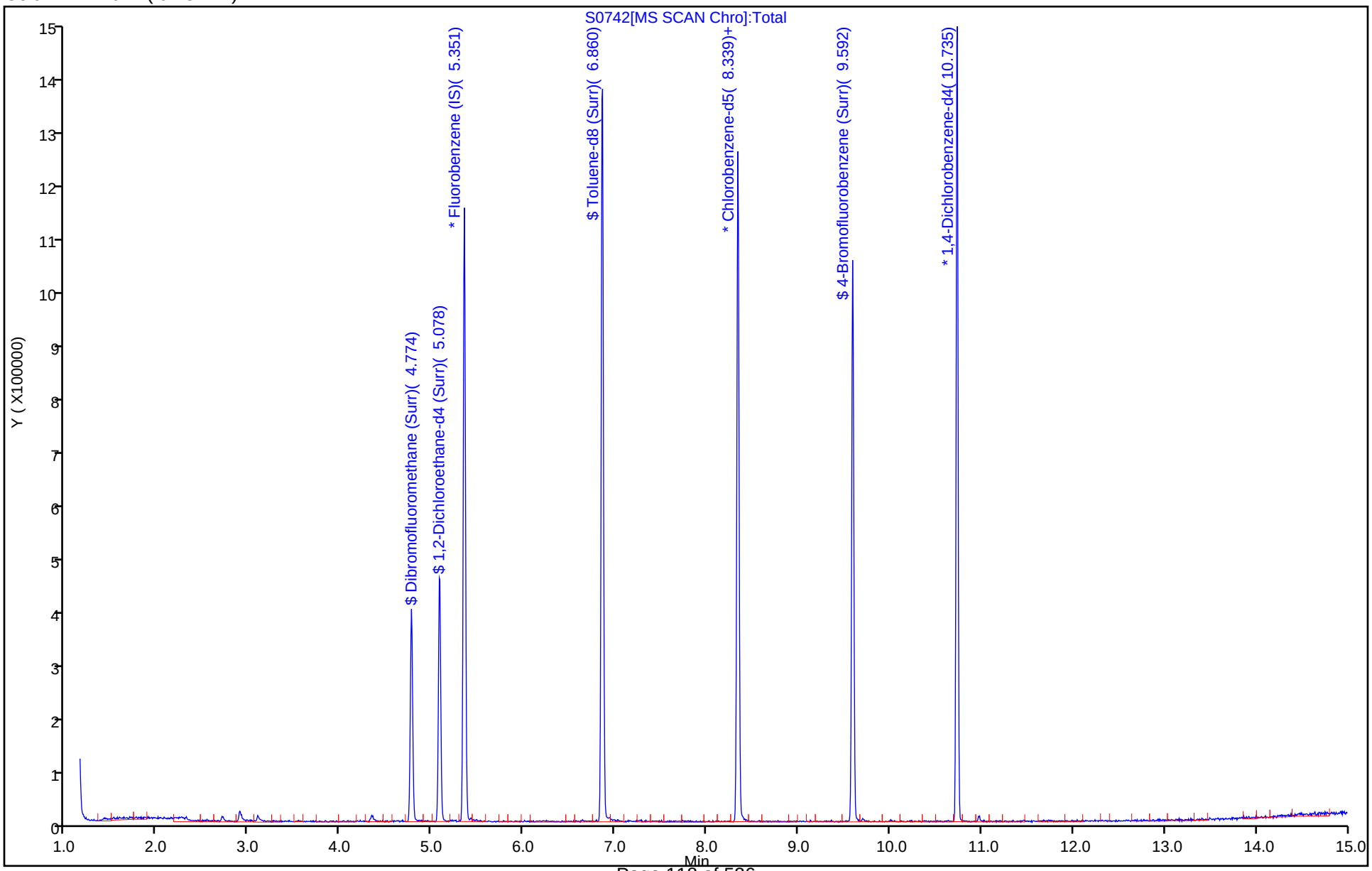
Report Date: 20-Aug-2020 07:43:58 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0742.D

Injection Date:	19-Aug-2020 13:37:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-3	Lab Sample ID:	480-173788-3	Worklist Smp#:	15
Client ID:	442024-MW-3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



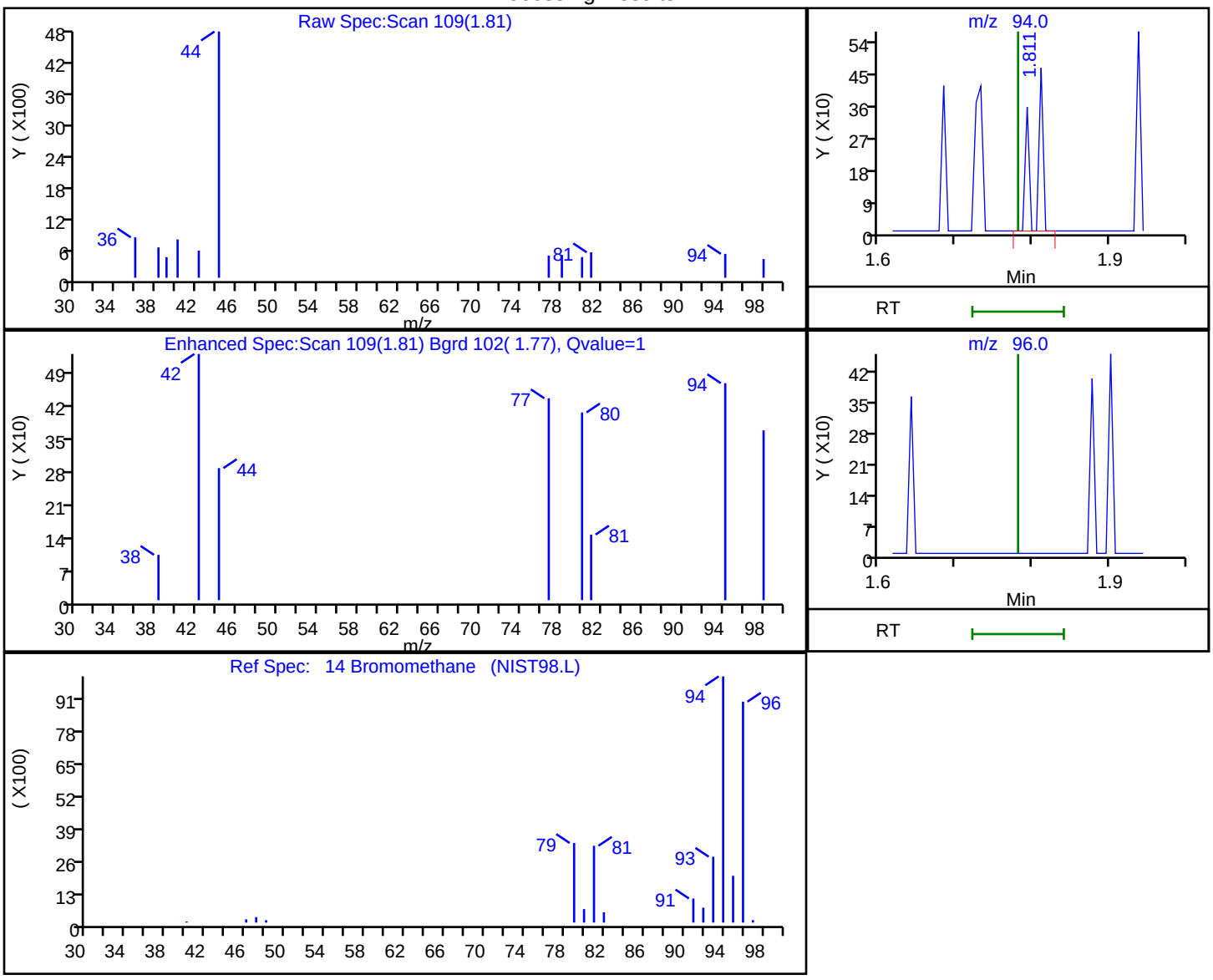
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0742.D				
Injection Date:	19-Aug-2020 13:37:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-3	Lab Sample ID:	480-173788-3		
Client ID:	442024-MW-3				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.81	94.00	296	0.035848
1.78	96.00	0	

Reviewer: moffata, 20-Aug-2020 07:43:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

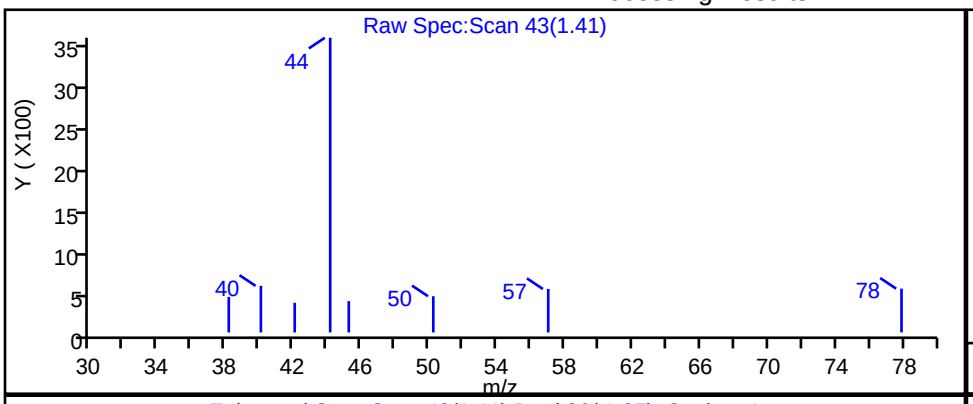
User Disabled Compound Report

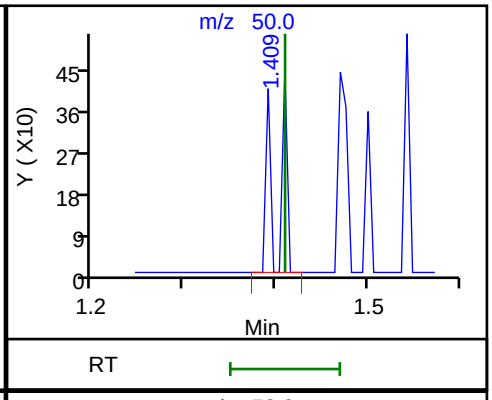
Eurofins TestAmerica, Buffalo

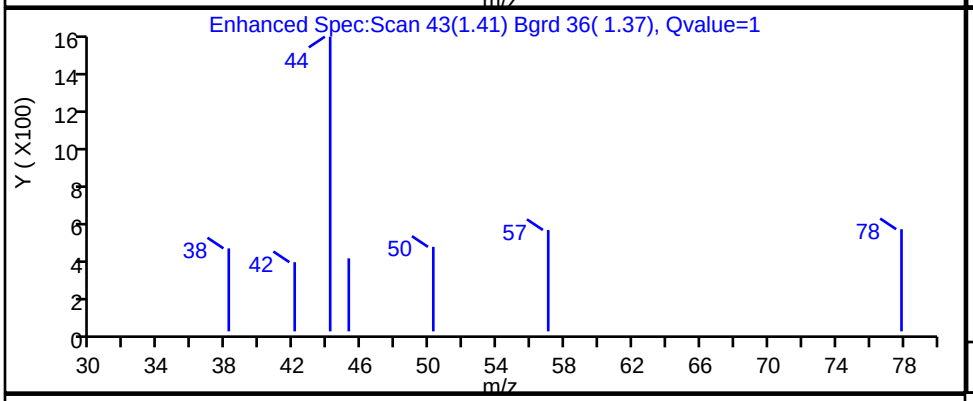
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0742.D				
Injection Date:	19-Aug-2020 13:37:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-3	Lab Sample ID:	480-173788-3		
Client ID:	442024-MW-3				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

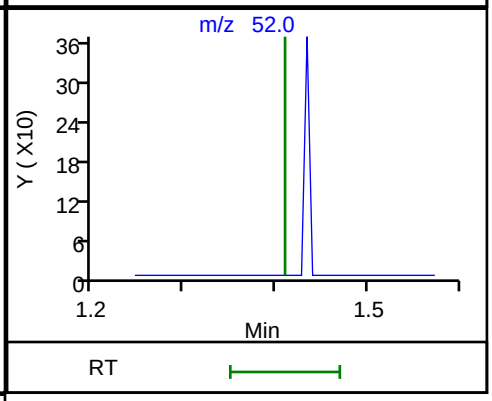
12 Chloromethane, CAS: 74-87-3

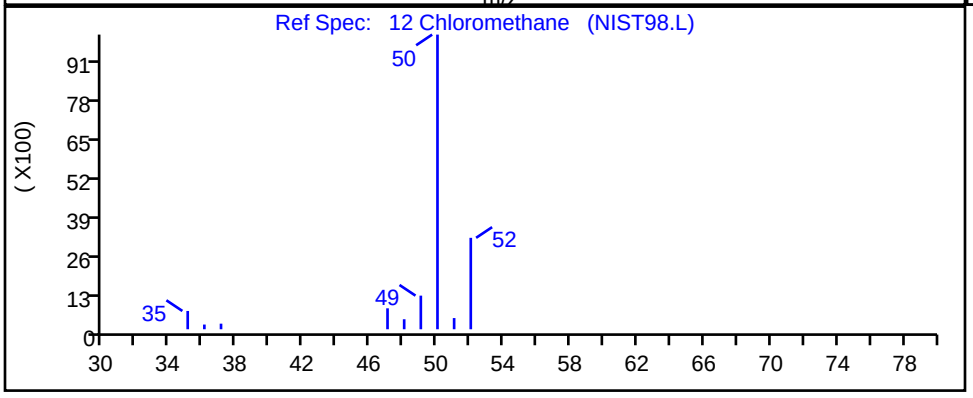
Processing Results











RT	Mass	Response	Amount
1.41	50.00	308	0.022153
1.41	52.00	0	

Reviewer: moffata, 20-Aug-2020 07:43:51

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0743.D
Lims ID: 480-173788-B-4
Client ID: 442024-MW-1B
Sample Type: Client
Inject. Date: 19-Aug-2020 14:00:30 ALS Bottle#: 9 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-4
Misc. Info.: 480-0092846-016
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:44:09 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:44:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	177939	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	369795	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.730	10.736	-0.006	96	354731	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	58	210601	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	92	146272	25.1	
$ 5 Toluene-d8 (Surr)	98	6.854	6.860	-0.006	95	847617	24.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	88	273759	24.8	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	U
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.616				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

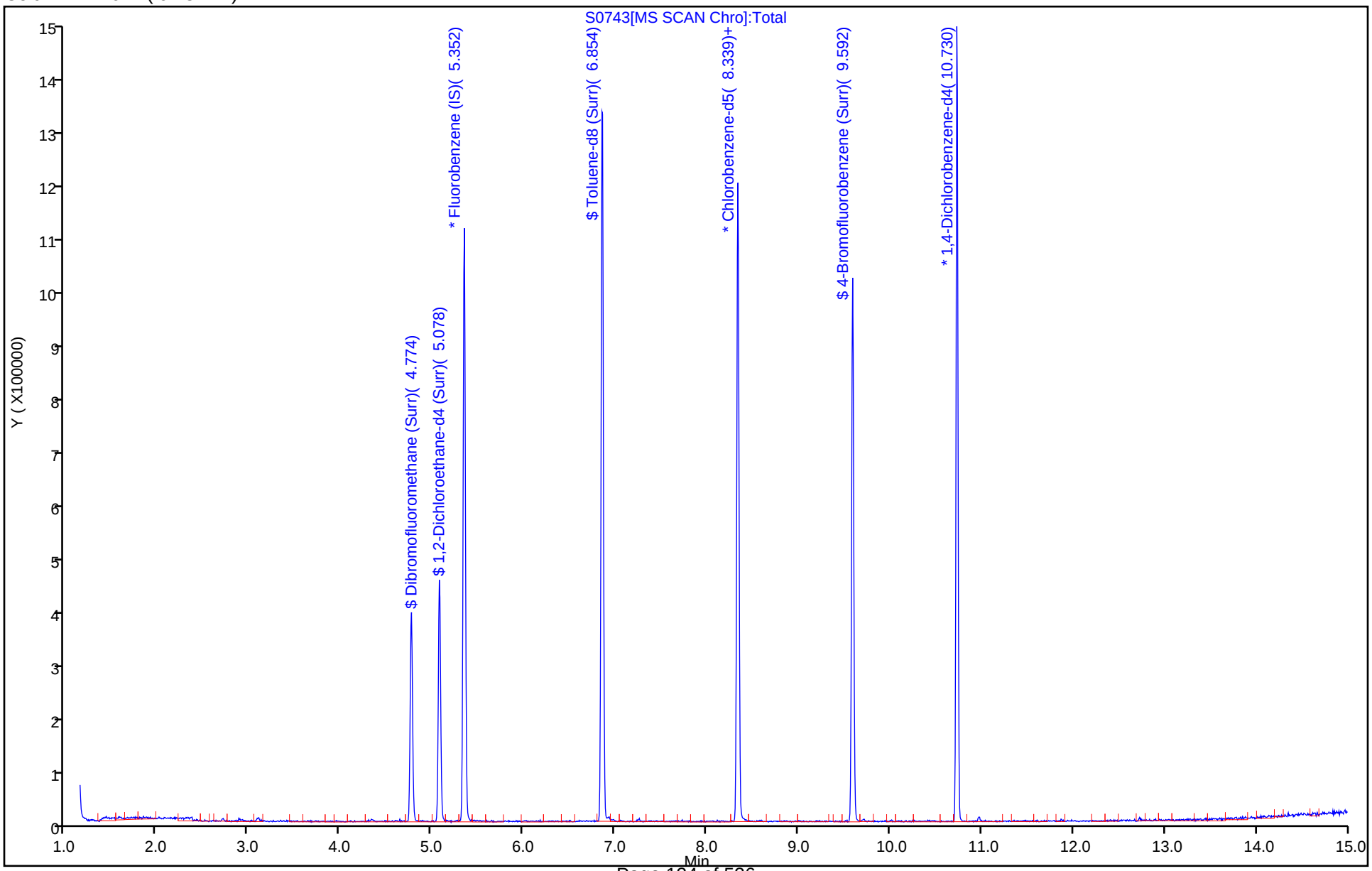
Report Date: 20-Aug-2020 07:44:11 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0743.D

Injection Date:	19-Aug-2020 14:00:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-4	Lab Sample ID:	480-173788-4	Worklist Smp#:	16
Client ID:	442024-MW-1B				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



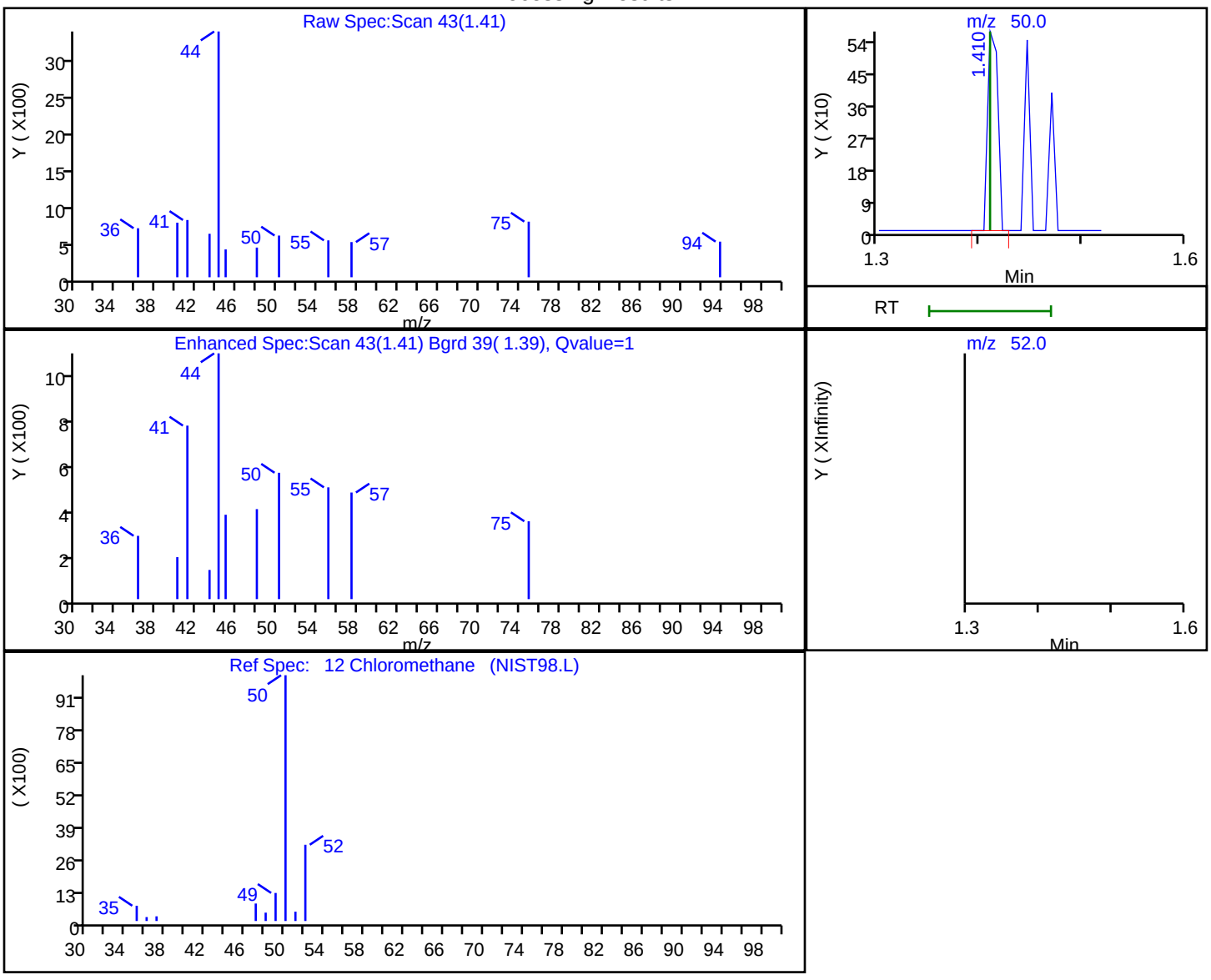
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0743.D				
Injection Date:	19-Aug-2020 14:00:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-4	Lab Sample ID:	480-173788-4		
Client ID:	442024-MW-1B				
Operator ID:	AM	ALS Bottle#:	9	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.41	50.00	390	0.028096
1.41	52.00	0	

Reviewer: moffata, 20-Aug-2020 07:44:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0744.D
Lims ID: 480-173788-A-5
Client ID: 442024-FB-08112020
Sample Type: Client
Inject. Date: 19-Aug-2020 14:23:30 ALS Bottle#: 10 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-A-5
Misc. Info.: 480-0092846-017
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:46:45 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:47:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	176248	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	87	357673	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	95	350493	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	55	217296	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	93	143552	24.9	
$ 5 Toluene-d8 (Surr)	98	6.854	6.860	-0.006	94	824696	24.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	263495	24.7	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	U
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43	2.711	2.705	0.006	97	101415	19.9	
26 Carbon disulfide	76		2.778				ND	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	U
50 Chloroform	83		4.616				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78	5.084	5.078	0.006	26	19737	0.4654	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92	6.921	6.921	0.000	83	195663	7.42	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91	8.460	8.460	0.000	83	35144	0.7118	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	98	55364	2.95	
91 o-Xylene	106	9.014	9.008	0.006	90	27116	1.42	
92 Styrene	104		9.038				ND	U
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1				0		4.37	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

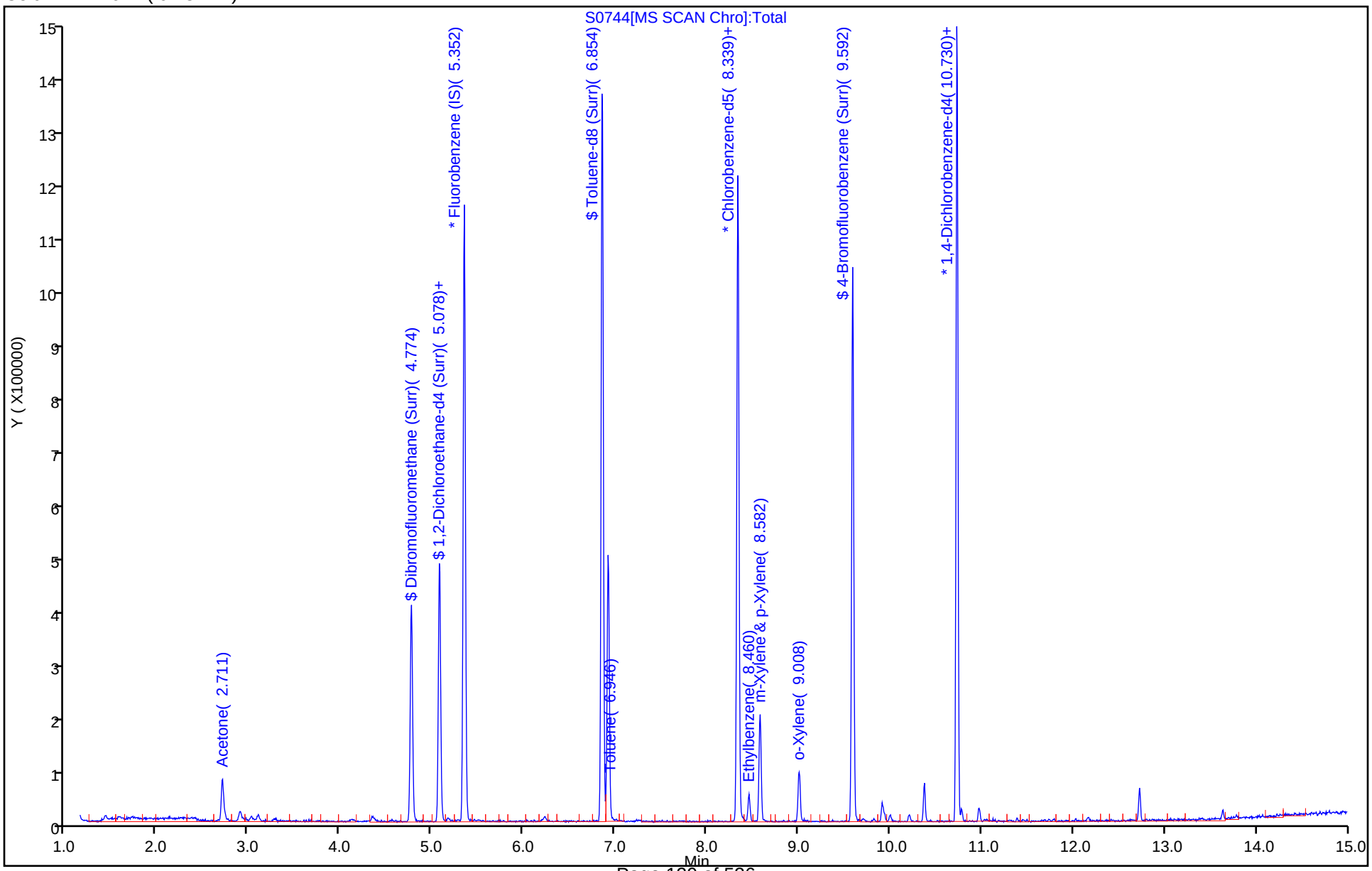
Report Date: 20-Aug-2020 07:47:19 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0744.D

Injection Date:	19-Aug-2020 14:23:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-A-5	Lab Sample ID:	480-173788-5	Worklist Smp#:	17
Client ID:	442024-FB-08112020				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



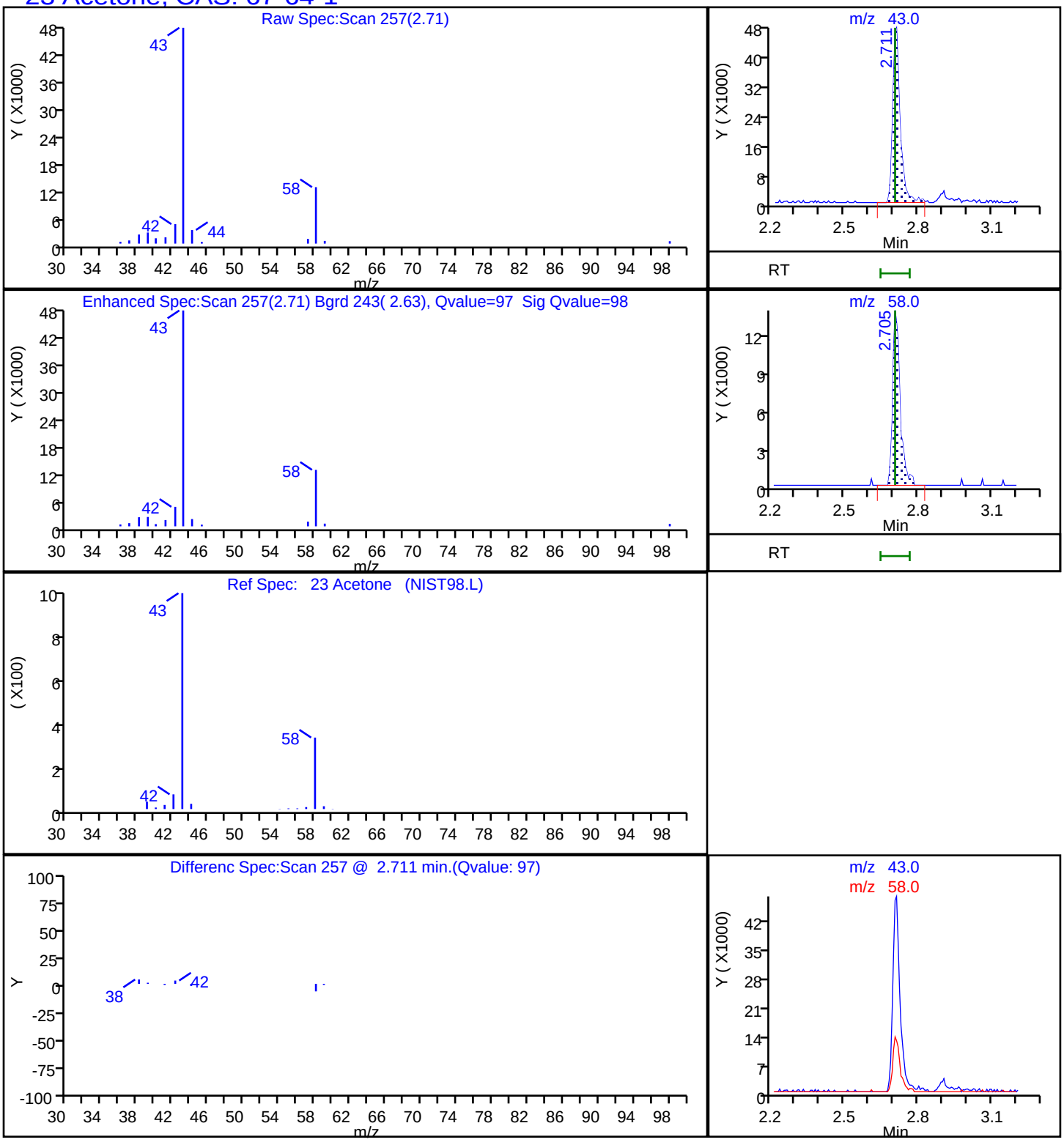
Report Date: 20-Aug-2020 07:47:19 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0744.D

Injection Date:	19-Aug-2020 14:23:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-A-5	Lab Sample ID:	480-173788-5		
Client ID:	442024-FB-08112020				
Operator ID:	AM	ALS Bottle#:	10	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1



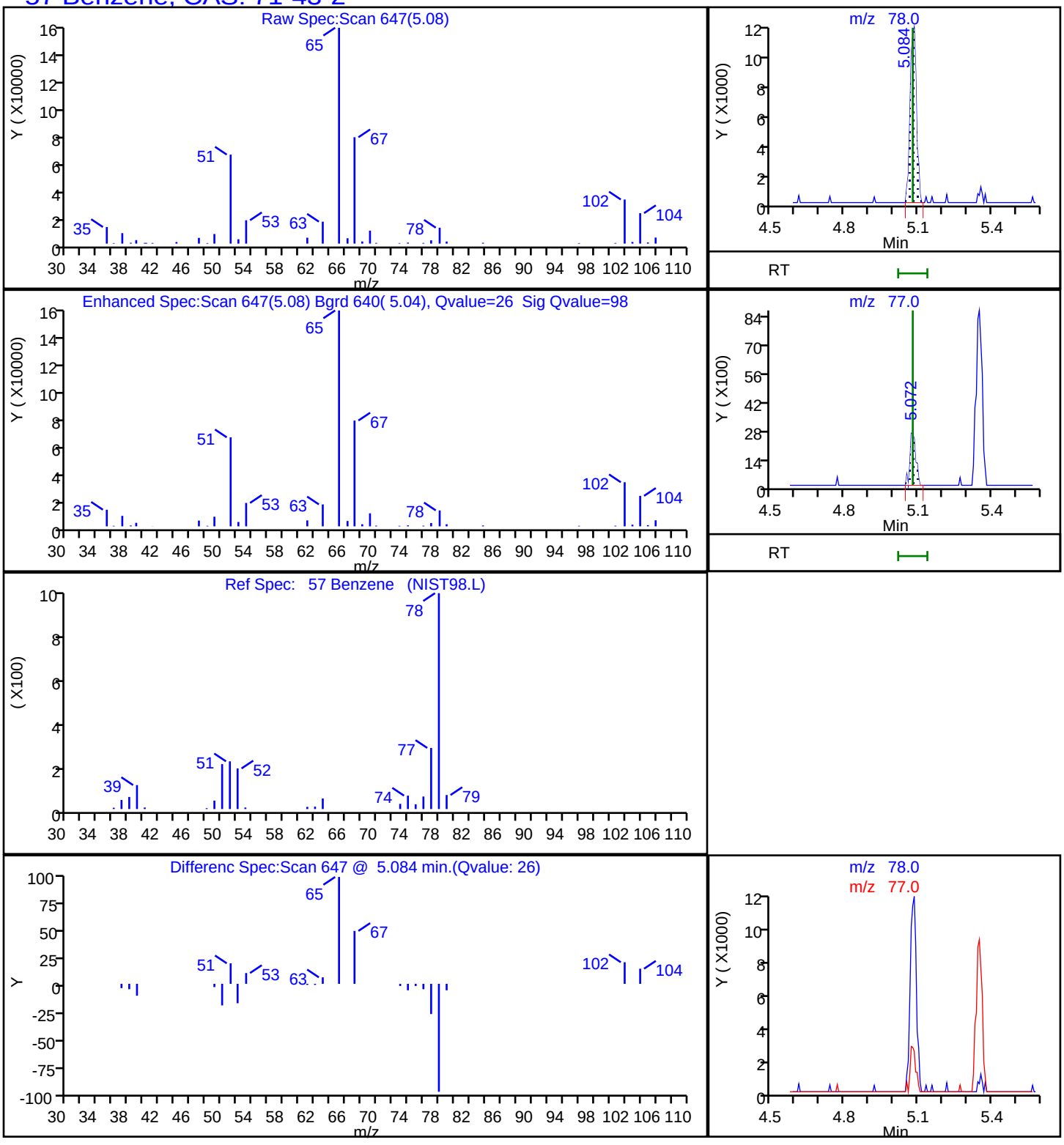
Report Date: 20-Aug-2020 07:47:19 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0744.D

Injection Date:	19-Aug-2020 14:23:30	Instrument ID:	HP5973S
Lims ID:	480-173788-A-5	Lab Sample ID:	480-173788-5
Client ID:	442024-FB-08112020		
Operator ID:	AM	ALS Bottle#:	10 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

57 Benzene, CAS: 71-43-2



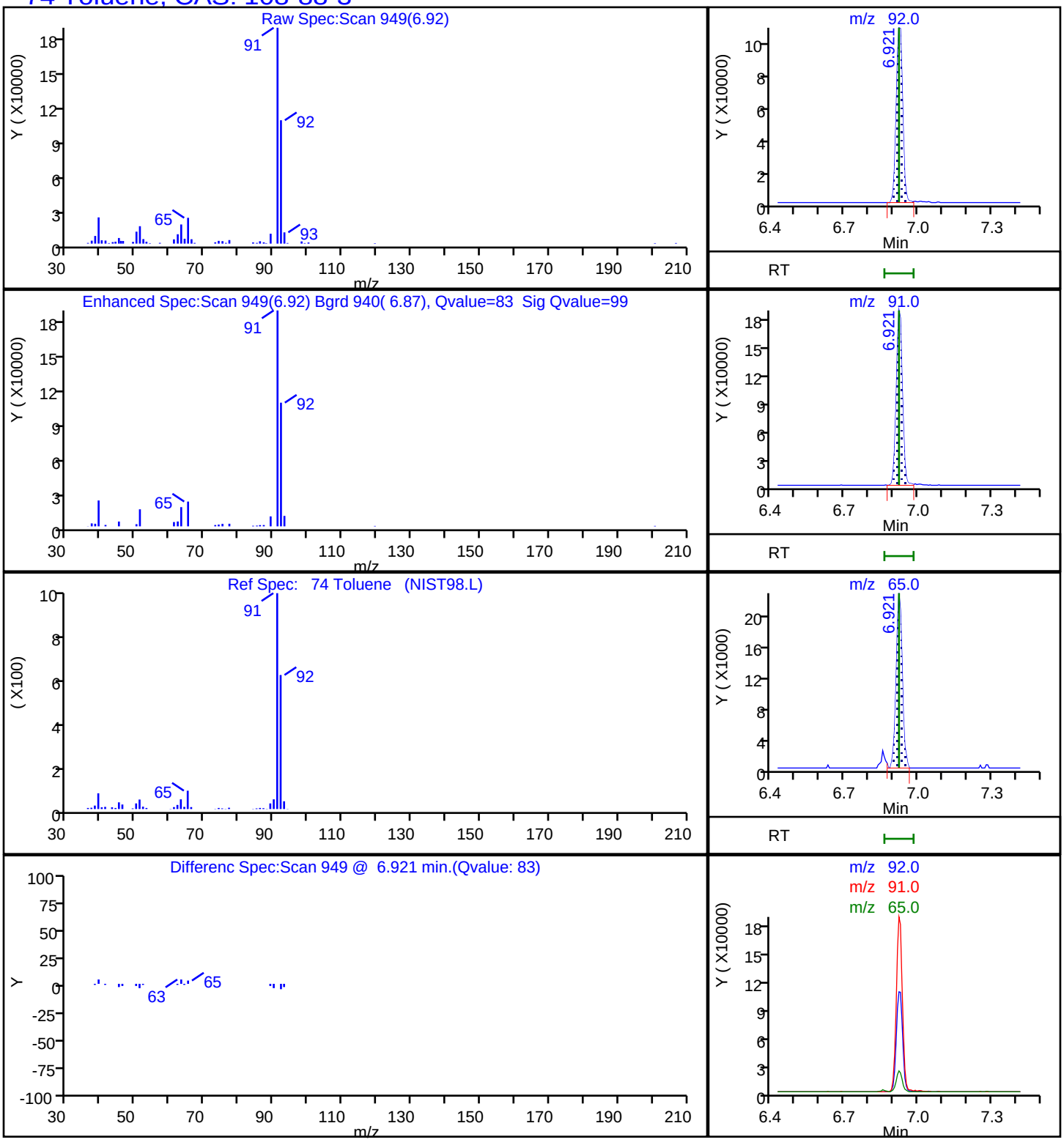
Report Date: 20-Aug-2020 07:47:19 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0744.D

Injection Date:	19-Aug-2020 14:23:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-A-5	Lab Sample ID:	480-173788-5		
Client ID:	442024-FB-08112020				
Operator ID:	AM	ALS Bottle#:	10	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3



Report Date: 20-Aug-2020 07:47:19 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0744.D

Injection Date: 19-Aug-2020 14:23:30 Instrument ID: HP5973S

Lims ID: 480-173788-A-5 Lab Sample ID: 480-173788-5

Client ID: 442024-FB-08112020

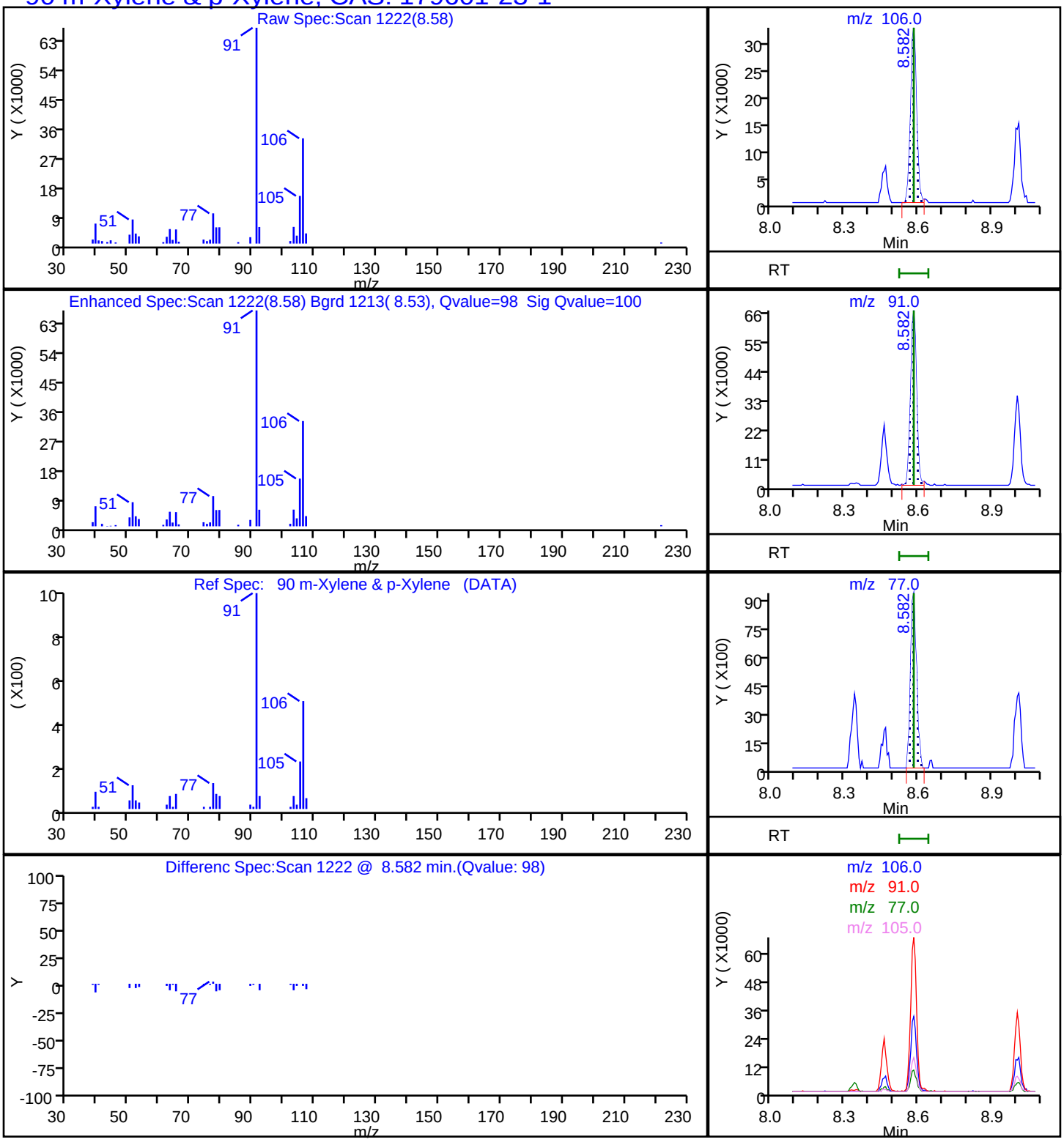
Operator ID: AM ALS Bottle#: 10 Worklist Smp#: 17

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm) Detector MS SCAN

90 m-Xylene & p-Xylene, CAS: 179601-23-1



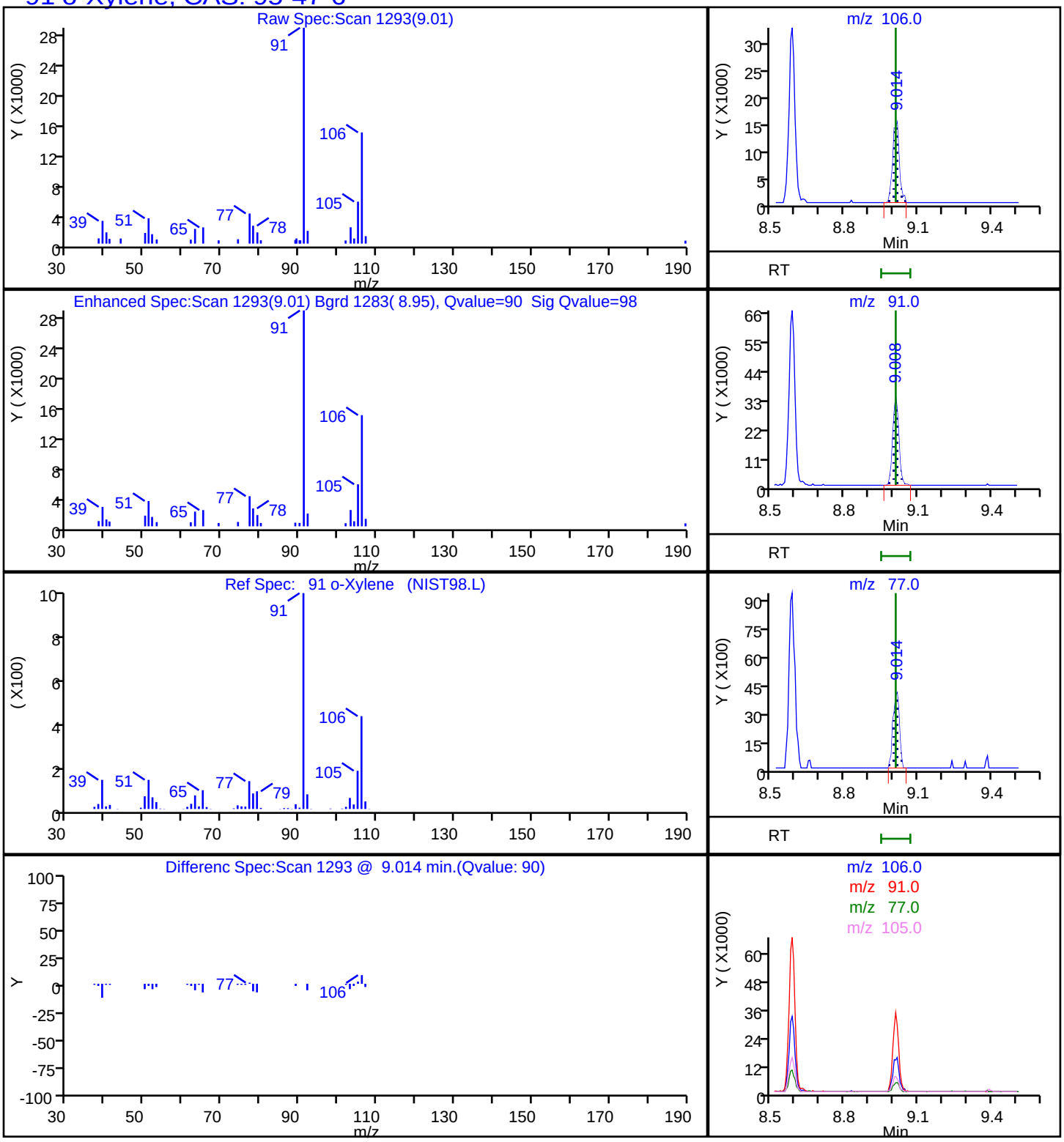
Report Date: 20-Aug-2020 07:47:19 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0744.D

Injection Date:	19-Aug-2020 14:23:30	Instrument ID:	HP5973S
Lims ID:	480-173788-A-5	Lab Sample ID:	480-173788-5
Client ID:	442024-FB-08112020		
Operator ID:	AM	ALS Bottle#:	10 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

91 o-Xylene, CAS: 95-47-6



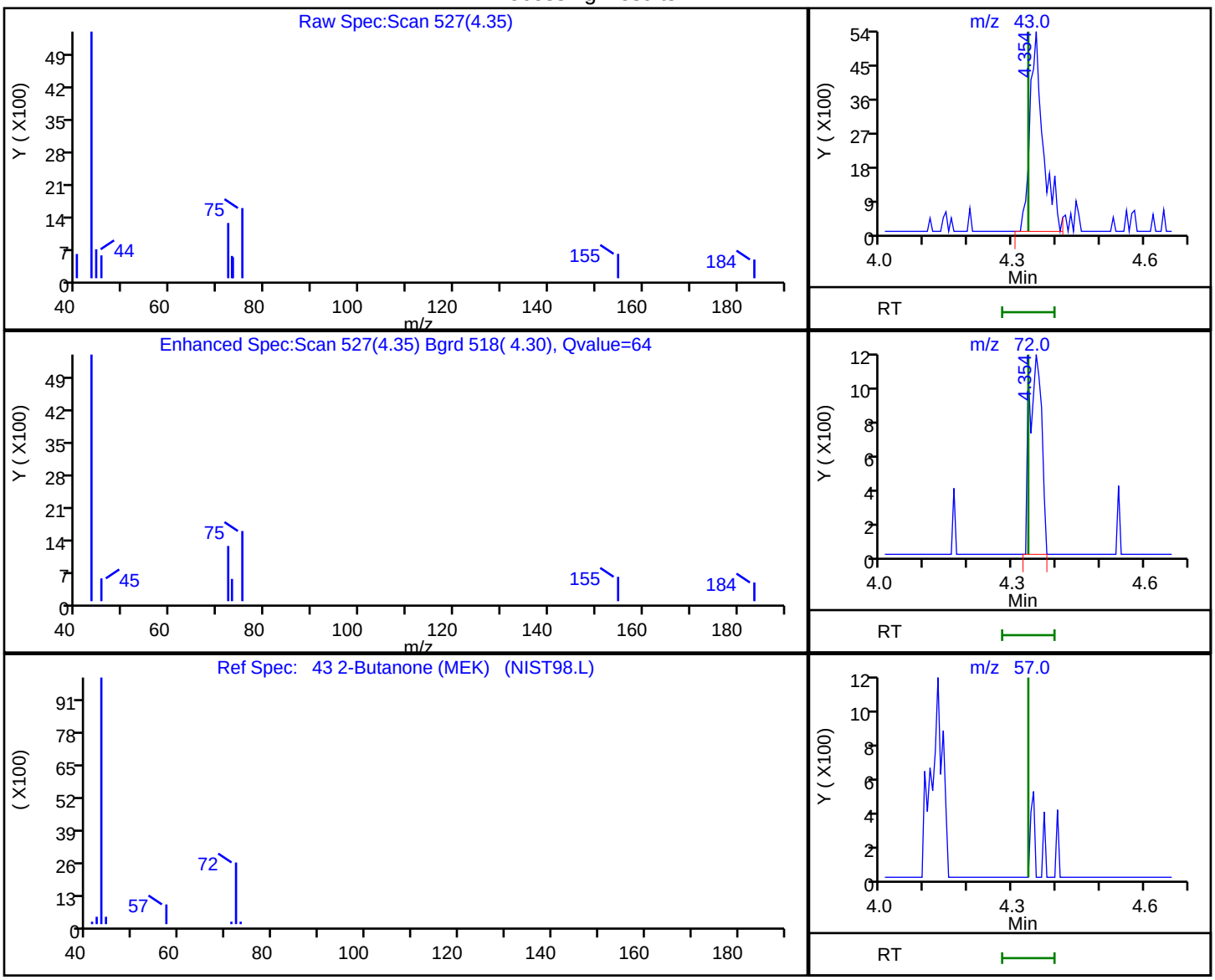
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0744.D				
Injection Date:	19-Aug-2020 14:23:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-A-5	Lab Sample ID:	480-173788-5		
Client ID:	442024-FB-08112020				
Operator ID:	AM	ALS Bottle#:	10	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.35	43.00	11256	1.495996
4.35	72.00	2290	
4.34	57.00	0	

Reviewer: moffata, 20-Aug-2020 07:44:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

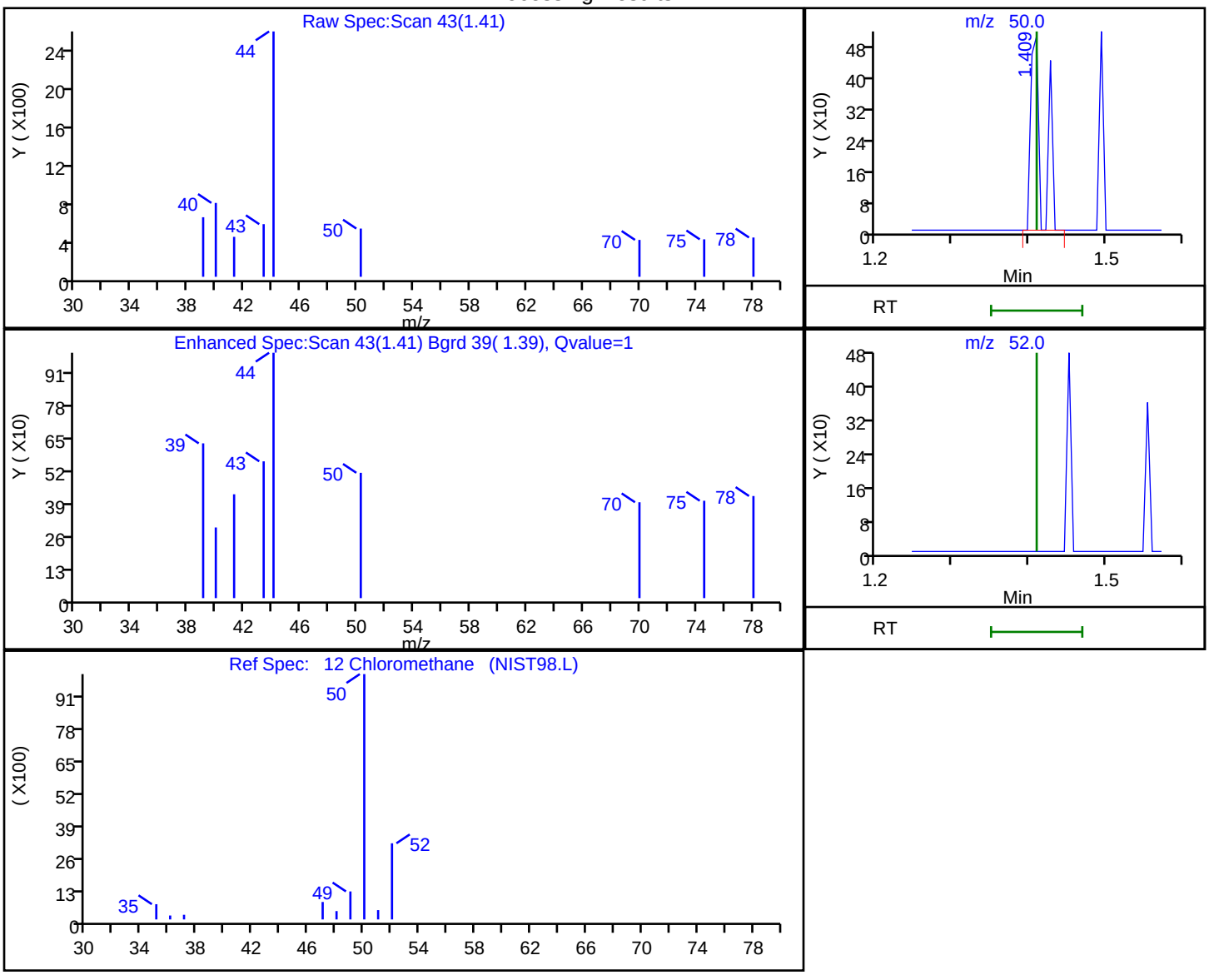
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0744.D				
Injection Date:	19-Aug-2020 14:23:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-A-5	Lab Sample ID:	480-173788-5		
Client ID:	442024-FB-08112020				
Operator ID:	AM	ALS Bottle#:	10	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.41	50.00	510	0.037094
1.41	52.00	0	

Reviewer: moffata, 20-Aug-2020 07:44:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

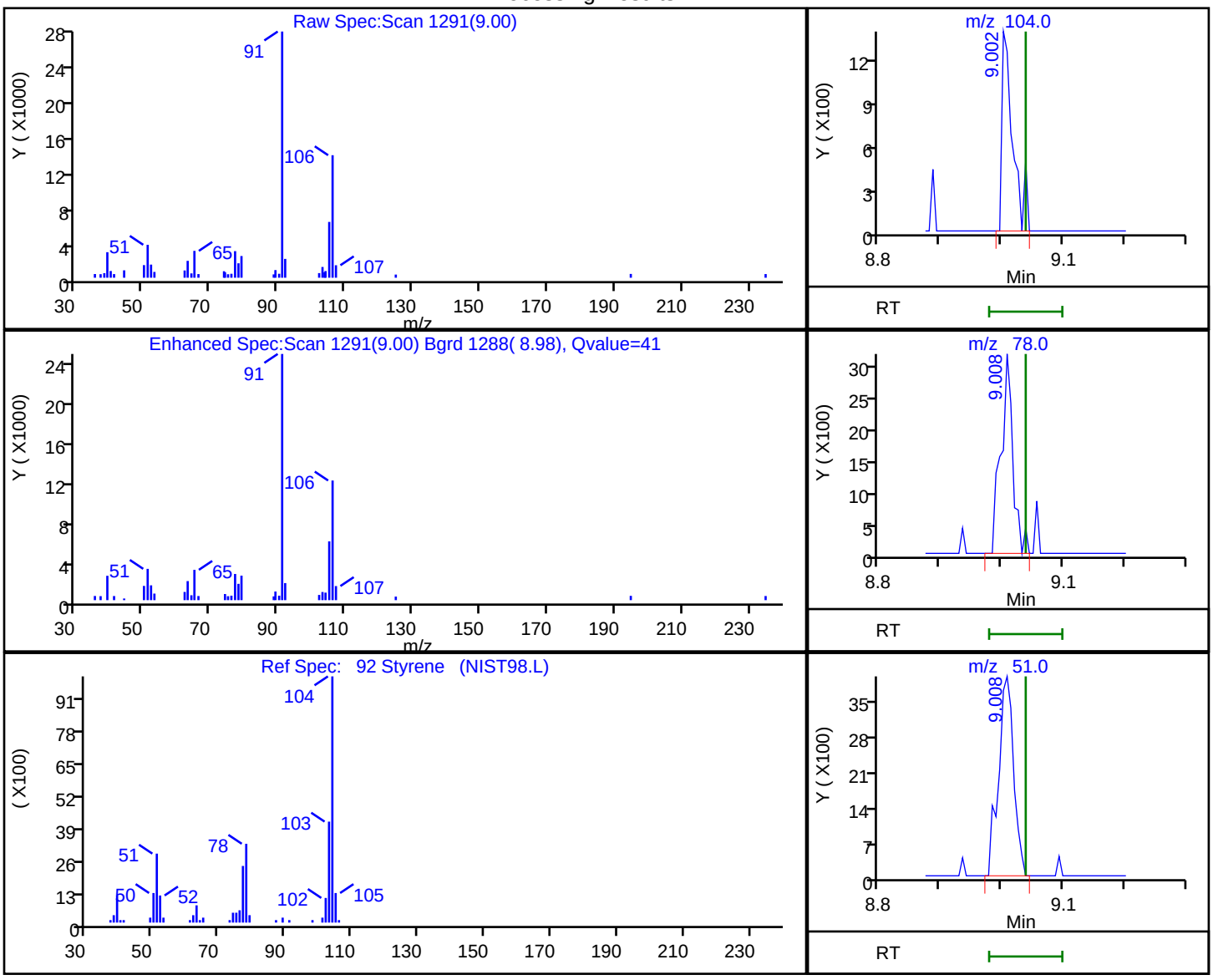
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0744.D				
Injection Date:	19-Aug-2020 14:23:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-A-5	Lab Sample ID:	480-173788-5		
Client ID:	442024-FB-08112020				
Operator ID:	AM	ALS Bottle#:	10	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
9.00	104.00	1698	0.053884
9.01	78.00	4292	
9.01	51.00	6871	

Reviewer: moffata, 20-Aug-2020 07:44:28

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0745.D
Lims ID: 480-173788-B-6
Client ID: 442024-MW-108
Sample Type: Client
Inject. Date: 19-Aug-2020 14:46:30 ALS Bottle#: 11 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-6
Misc. Info.: 480-0092846-018
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:45:03 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:45:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	174503	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	87	367698	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	94	353873	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	61	214197	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	91	142181	24.9	
$ 5 Toluene-d8 (Surr)	98	6.854	6.860	-0.006	94	843599	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	265061	24.1	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	U
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	U
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.616				ND	U
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166	7.450	7.451	-0.001	79	11931	1.09	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

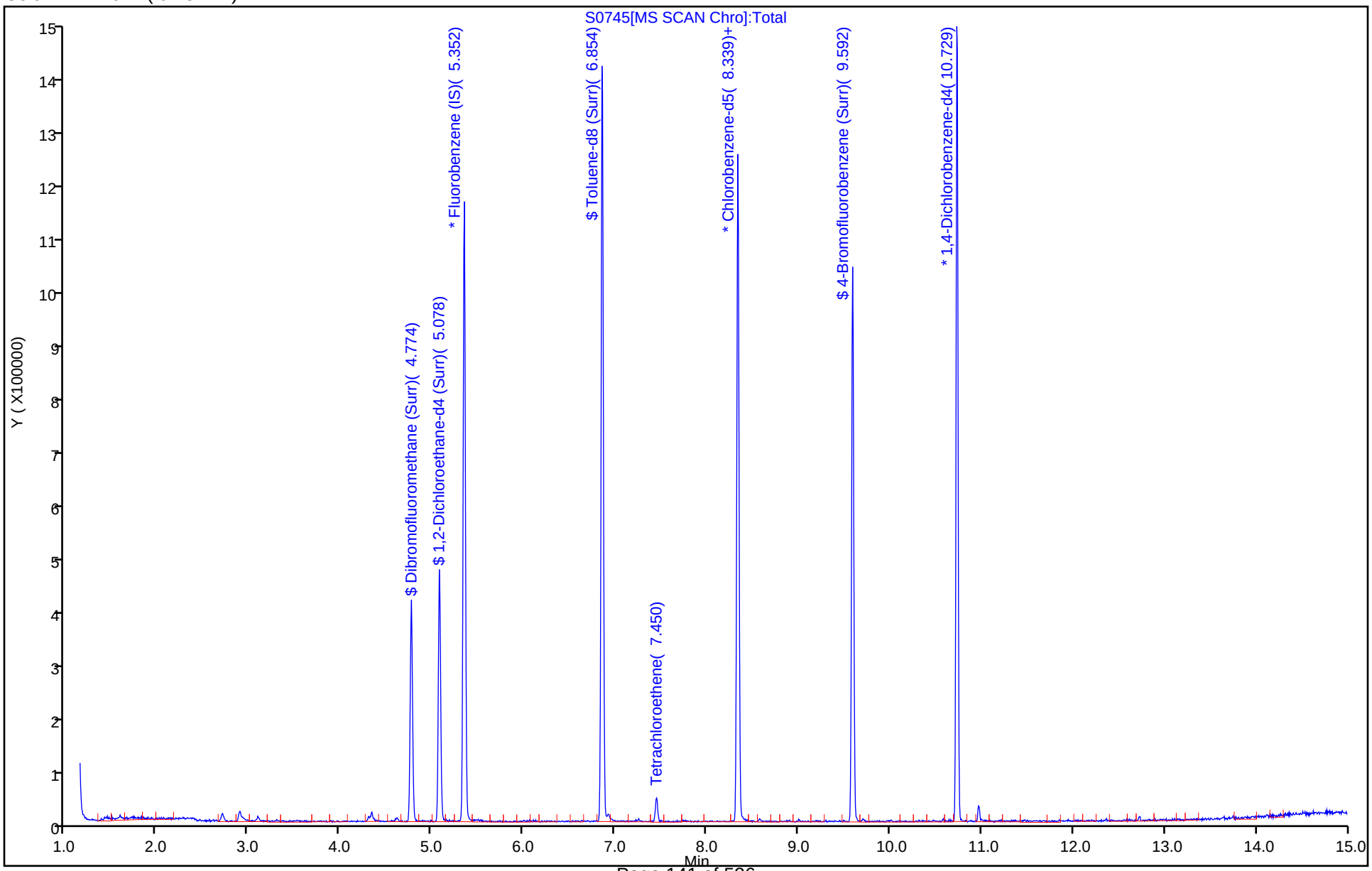
Report Date: 20-Aug-2020 07:45:03 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0745.D

Injection Date:	19-Aug-2020 14:46:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-6	Lab Sample ID:	480-173788-6	Worklist Smp#:	18
Client ID:	442024-MW-108				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



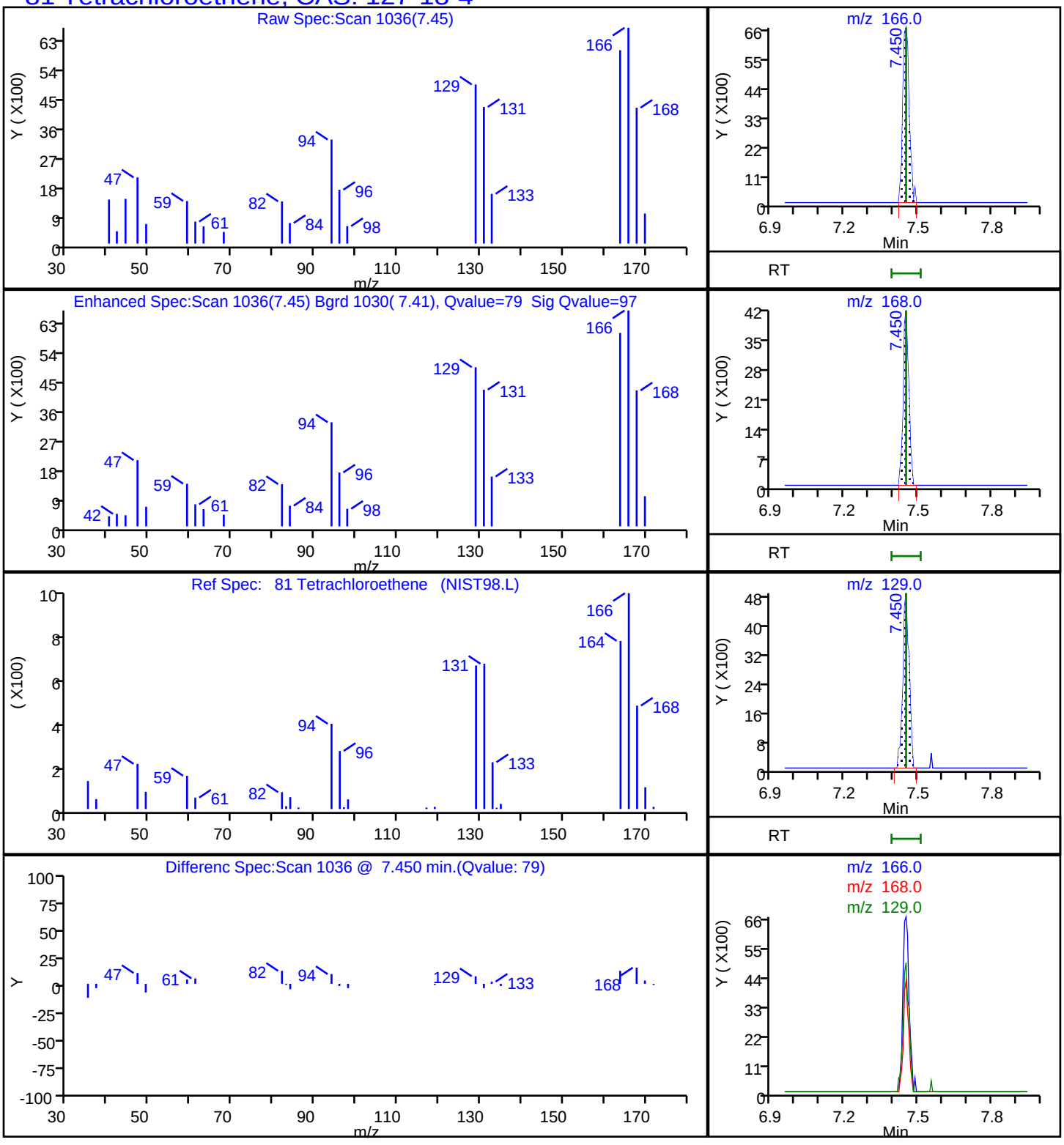
Report Date: 20-Aug-2020 07:45:04 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0745.D

Injection Date:	19-Aug-2020 14:46:30	Instrument ID:	HP5973S
Lims ID:	480-173788-B-6	Lab Sample ID:	480-173788-6
Client ID:	442024-MW-108		
Operator ID:	AM	ALS Bottle#:	11 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

81 Tetrachloroethene, CAS: 127-18-4



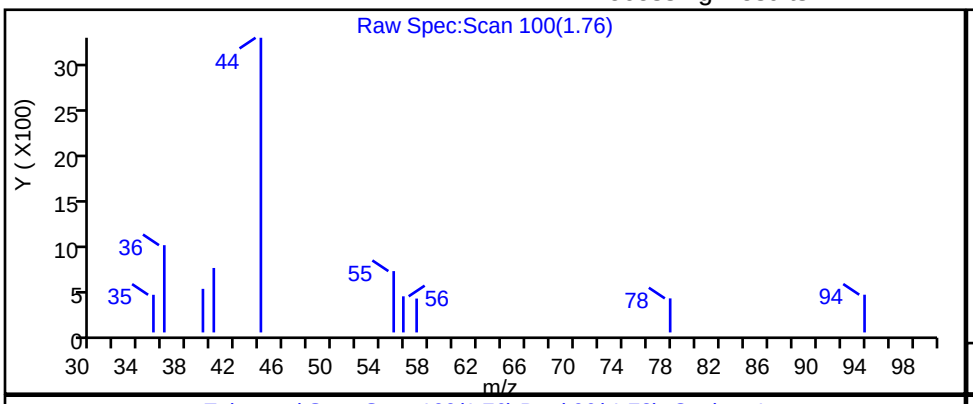
User Disabled Compound Report

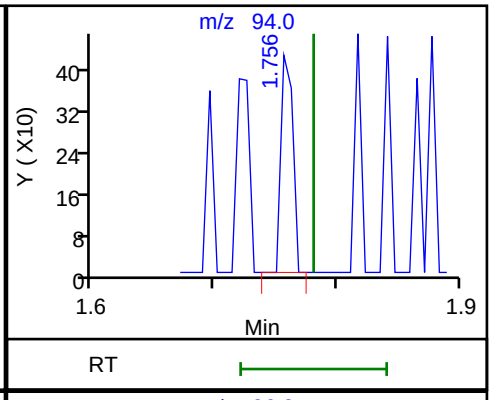
Eurofins TestAmerica, Buffalo

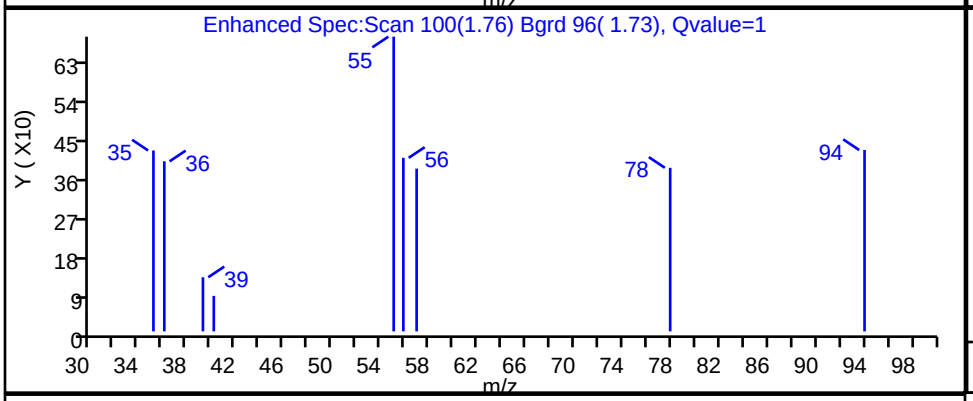
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0745.D				
Injection Date:	19-Aug-2020 14:46:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-6	Lab Sample ID:	480-173788-6		
Client ID:	442024-MW-108				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

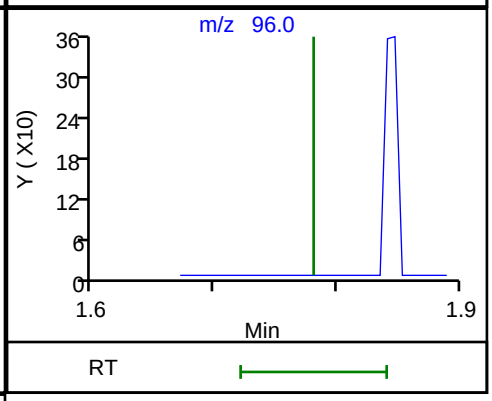
14 Bromomethane, CAS: 74-83-9

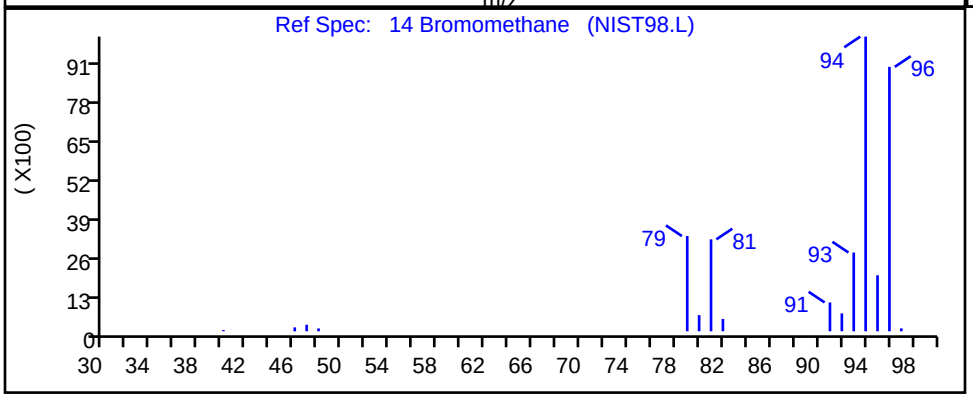
Processing Results











RT	Mass	Response	Amount
1.76	94.00	283	0.035006
1.78	96.00	0	

Reviewer: moffata, 20-Aug-2020 07:44:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

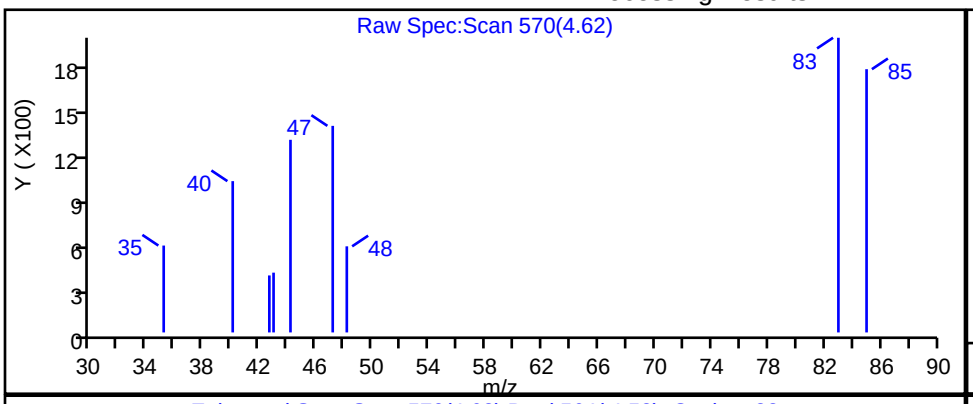
User Disabled Compound Report

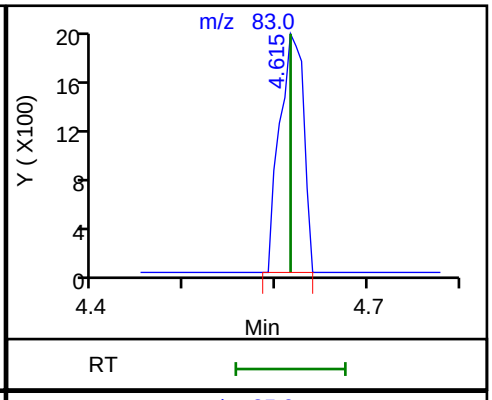
Eurofins TestAmerica, Buffalo

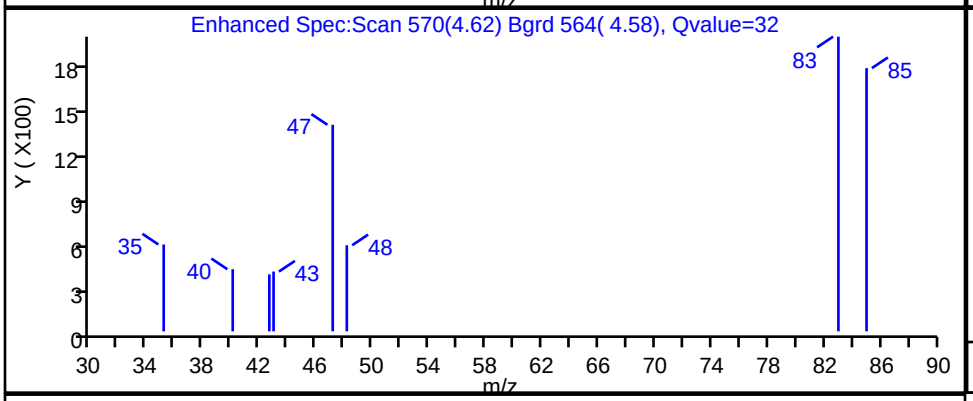
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0745.D				
Injection Date:	19-Aug-2020 14:46:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-6	Lab Sample ID:	480-173788-6		
Client ID:	442024-MW-108				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

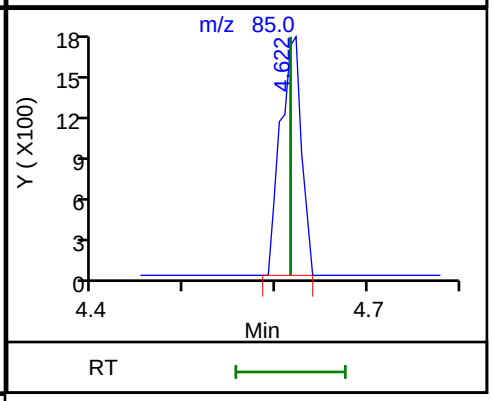
50 Chloroform, CAS: 67-66-3

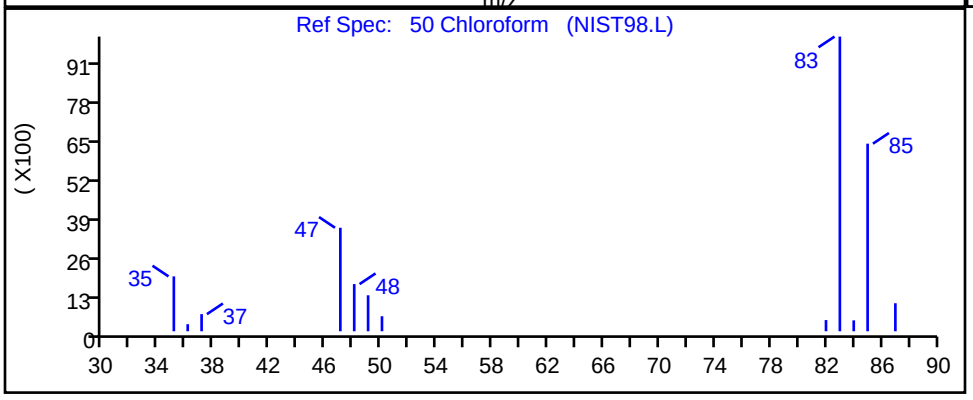
Processing Results











RT	Mass	Response	Amount
4.62	83.00	3453	0.189963
4.62	85.00	2807	

Reviewer: moffata, 20-Aug-2020 07:44:56

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

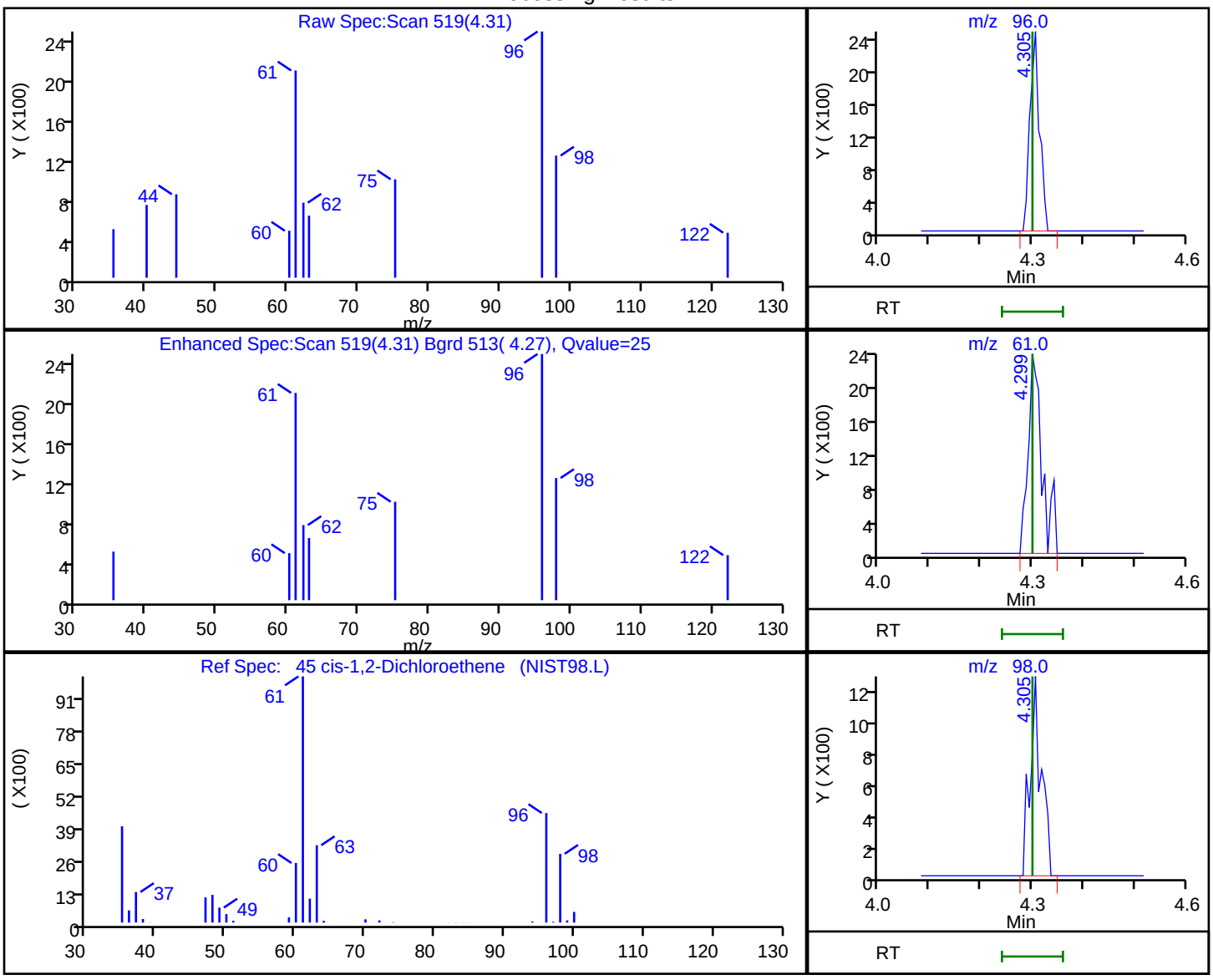
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0745.D				
Injection Date:	19-Aug-2020 14:46:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-6	Lab Sample ID:	480-173788-6		
Client ID:	442024-MW-108				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

Processing Results



RT	Mass	Response	Amount
4.31	96.00	3249	0.294234
4.30	61.00	4428	
4.31	98.00	1884	

Reviewer: moffata, 20-Aug-2020 07:44:53

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0746.D
Lims ID: 480-173788-B-7
Client ID: 442024-INJ-2
Sample Type: Client
Inject. Date: 19-Aug-2020 15:09:30 ALS Bottle#: 12 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-173788-B-7
Misc. Info.: 480-0092846-019
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:45:31 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:45:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	179955	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	368413	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	95	351093	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	62	207568	23.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	92	141970	24.1	
$ 5 Toluene-d8 (Surr)	98	6.854	6.860	-0.006	93	859830	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	85	268284	24.4	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76	2.766	2.778	-0.012	97	131991	4.48	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	U
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	71	108619	9.54	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.616				ND	U
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95	5.692	5.692	0.000	75	12557	1.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	U
80 2-Hexanone	43		7.627				ND	U
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

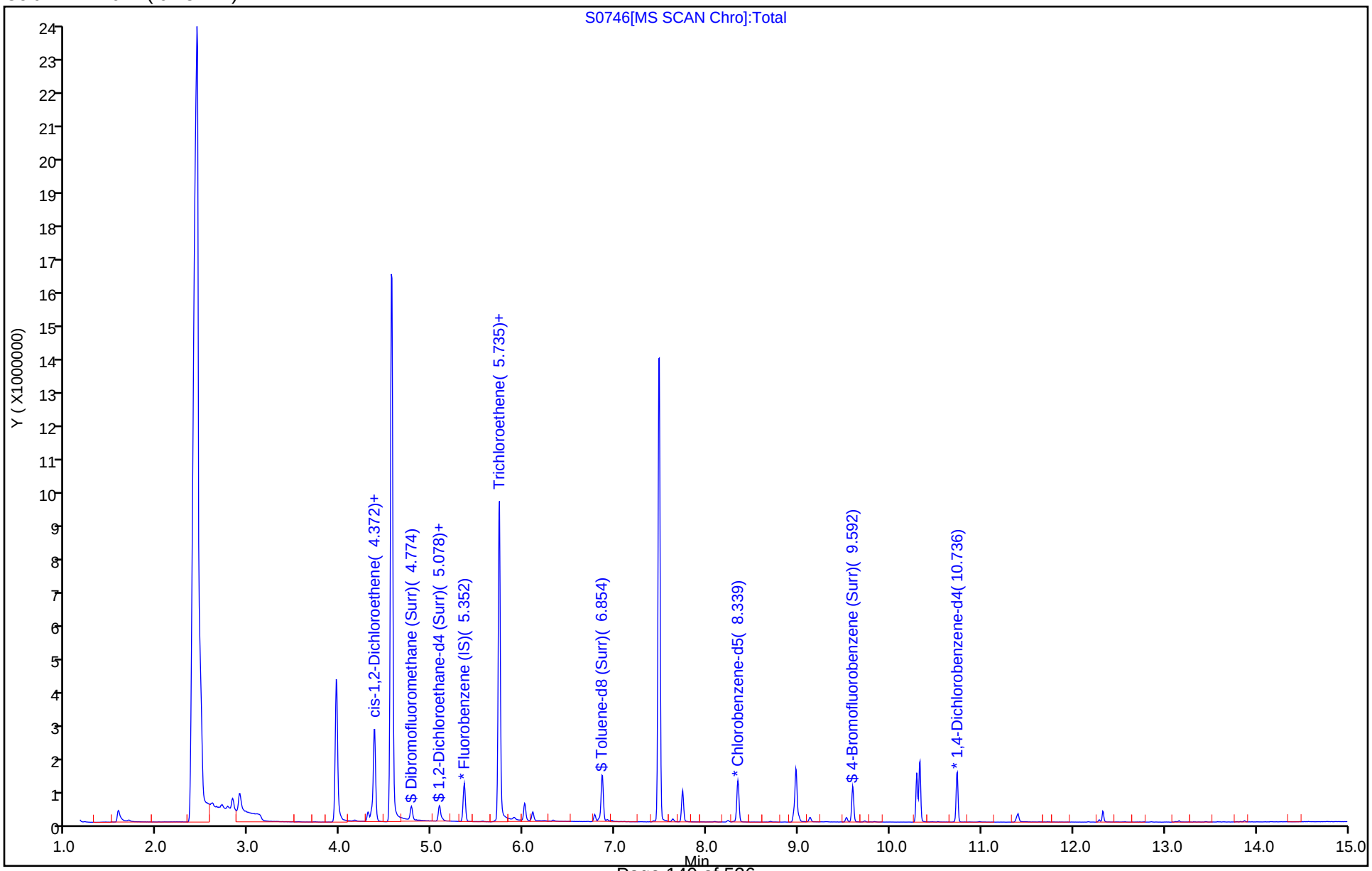
Report Date: 20-Aug-2020 07:45:31 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0746.D

Injection Date:	19-Aug-2020 15:09:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-7	Lab Sample ID:	480-173788-7	Worklist Smp#:	19
Client ID:	442024-INJ-2				
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	12
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



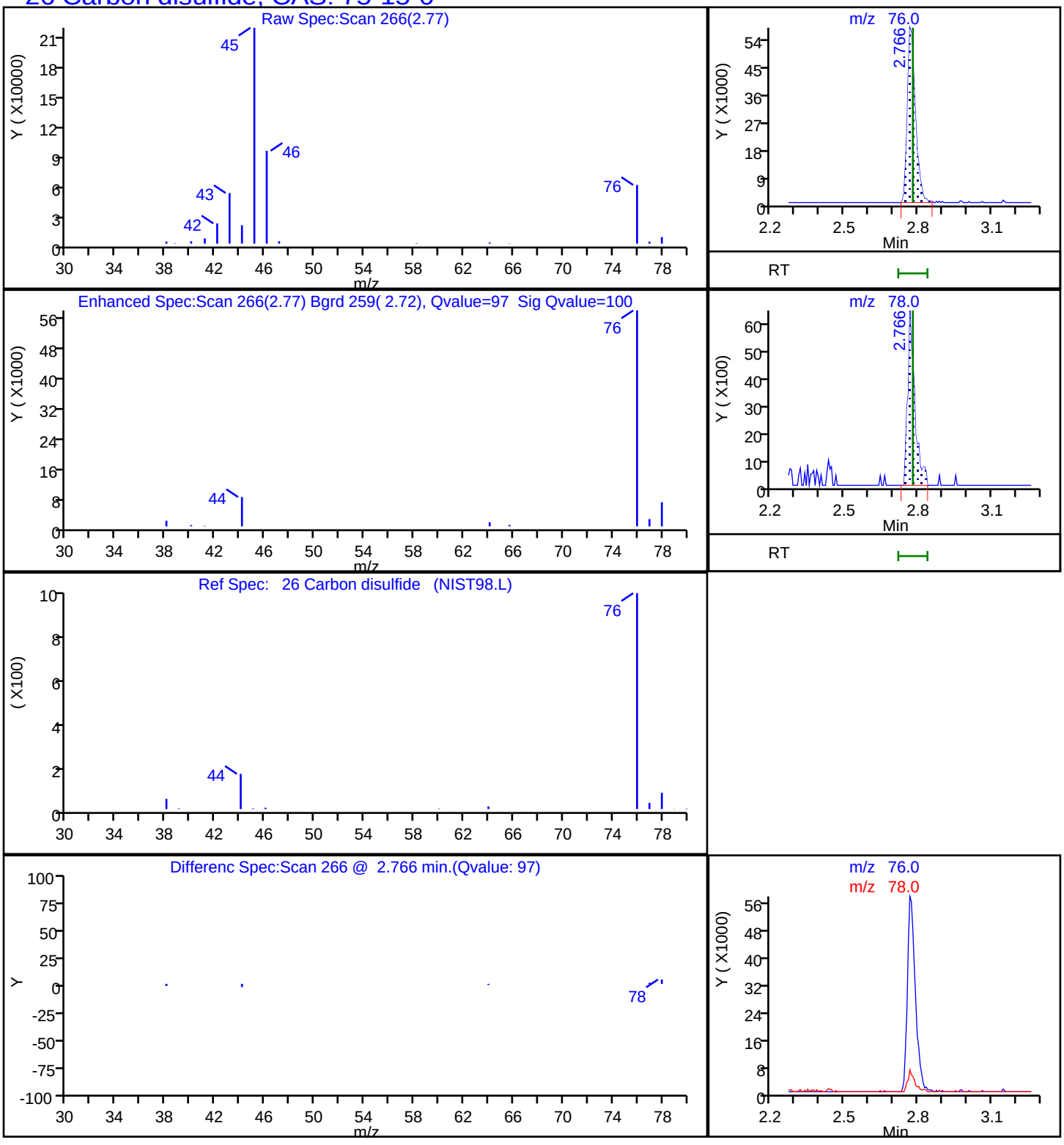
Report Date: 20-Aug-2020 07:45:31 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0746.D

Injection Date:	19-Aug-2020 15:09:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-7	Lab Sample ID:	480-173788-7		
Client ID:	442024-INJ-2				
Operator ID:	AM	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0

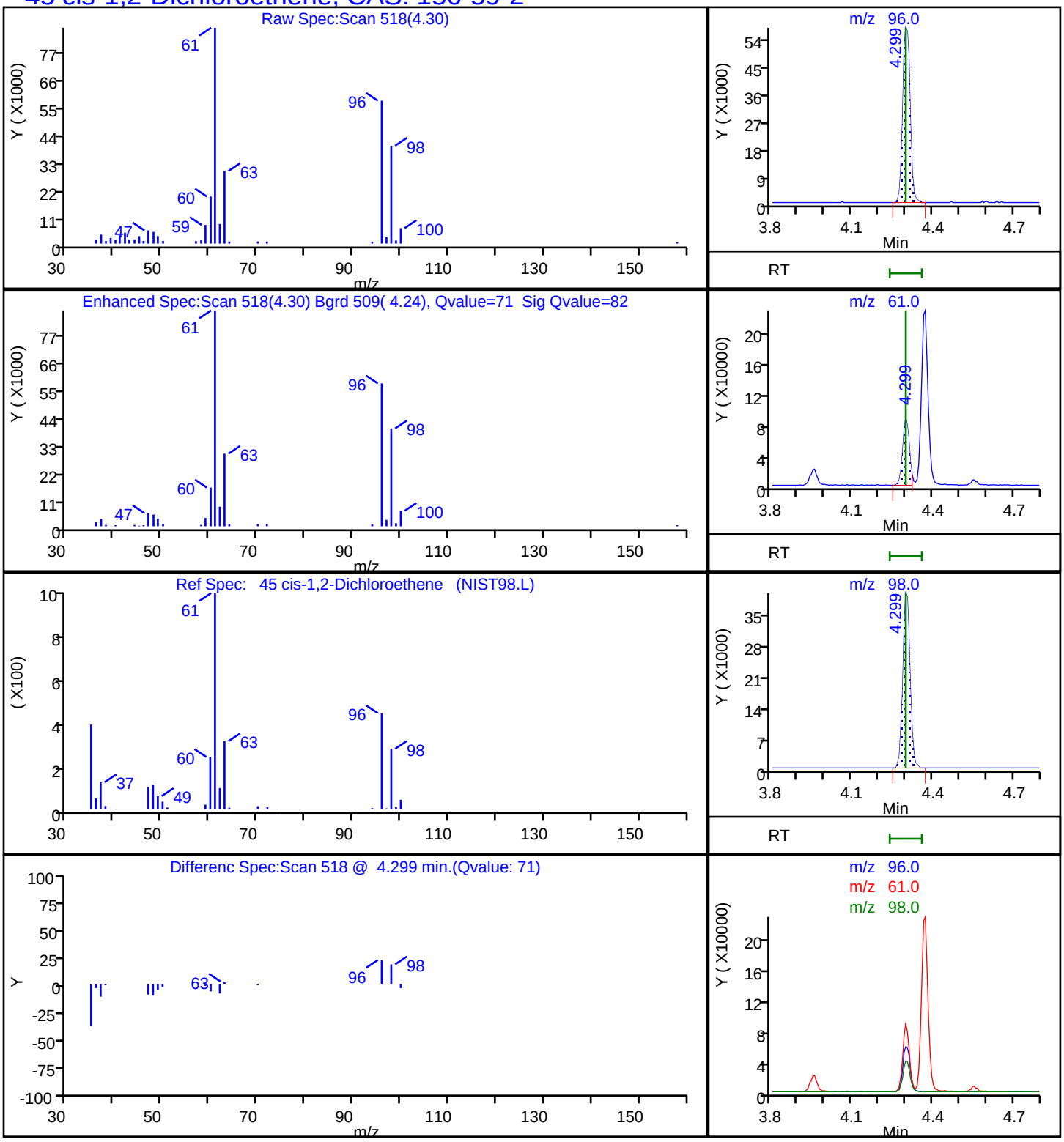


Report Date: 20-Aug-2020 07:45:31 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0746.D		
Injection Date:	19-Aug-2020 15:09:30	Instrument ID:	HP5973S
Lims ID:	480-173788-B-7	Lab Sample ID:	480-173788-7
Client ID:	442024-INJ-2		
Operator ID:	AM	ALS Bottle#:	12 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	20.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

45 cis-1,2-Dichloroethene, CAS: 156-59-2



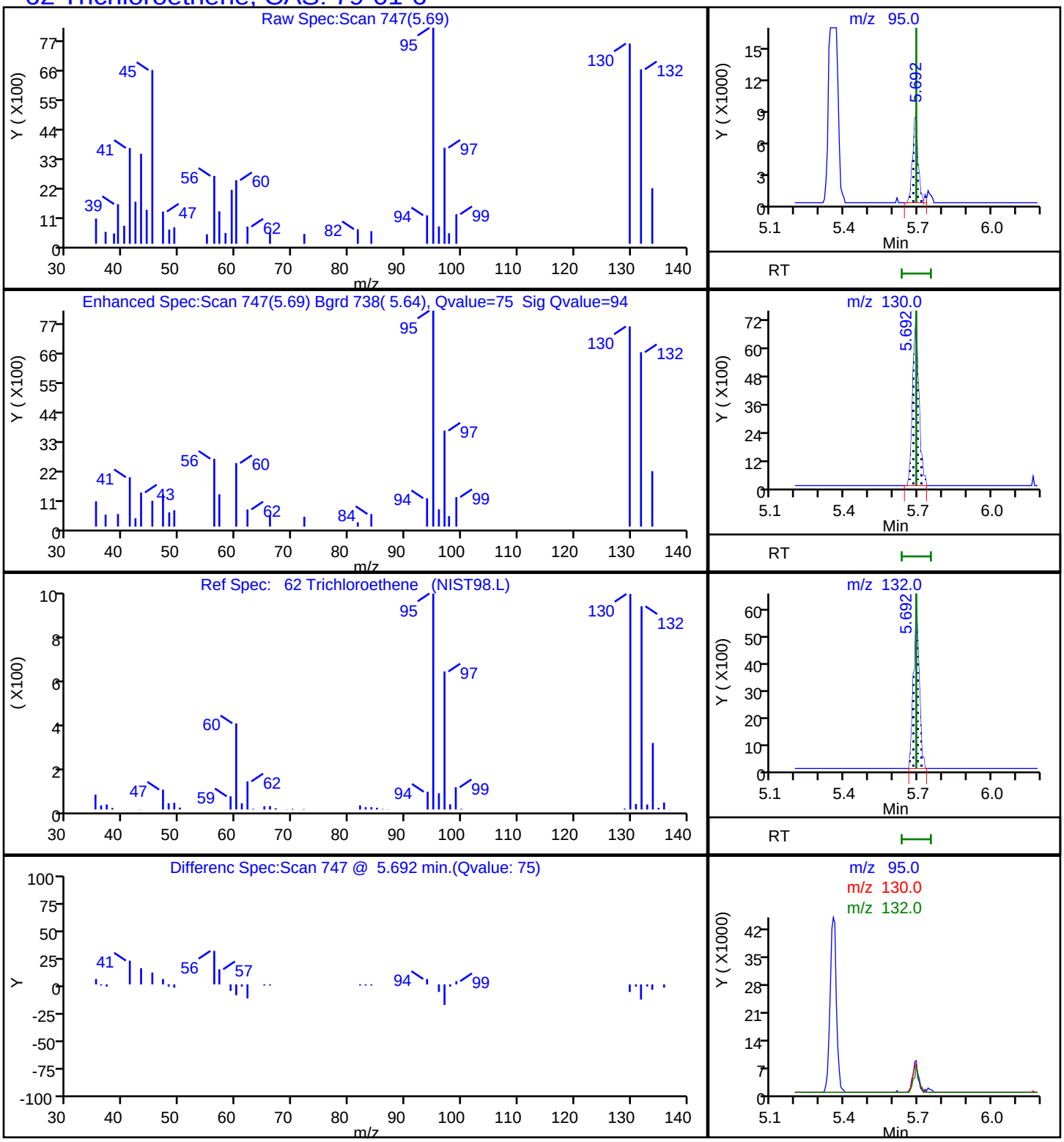
Report Date: 20-Aug-2020 07:45:32 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0746.D

Injection Date:	19-Aug-2020 15:09:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-7	Lab Sample ID:	480-173788-7		
Client ID:	442024-INJ-2				
Operator ID:	AM	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



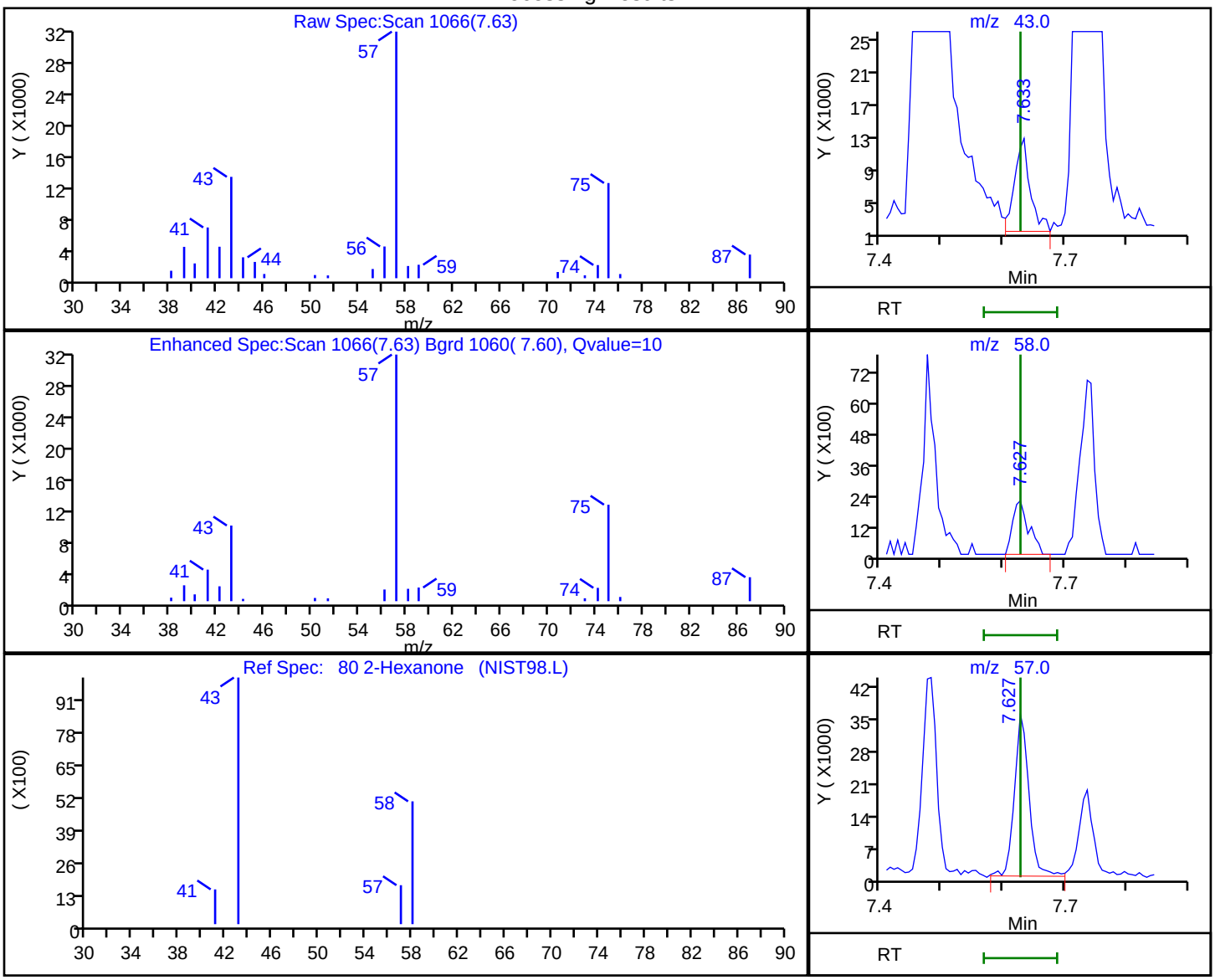
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0746.D				
Injection Date:	19-Aug-2020 15:09:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-7	Lab Sample ID:	480-173788-7		
Client ID:	442024-INJ-2				
Operator ID:	AM	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

80 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.63	43.00	20012	1.906189
7.63	58.00	3816	
7.63	57.00	58744	

Reviewer: moffata, 20-Aug-2020 07:45:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

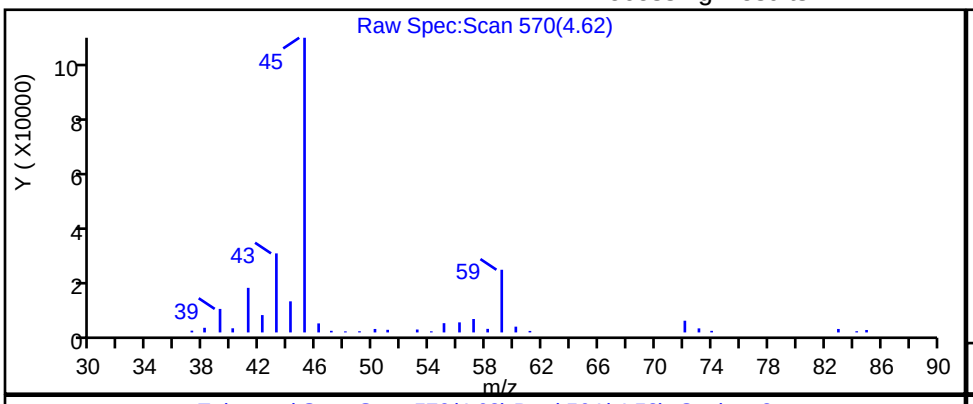
User Disabled Compound Report

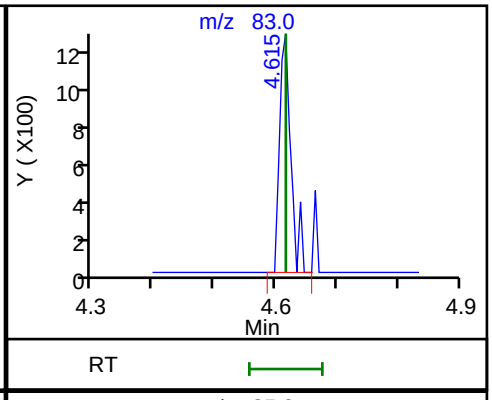
Eurofins TestAmerica, Buffalo

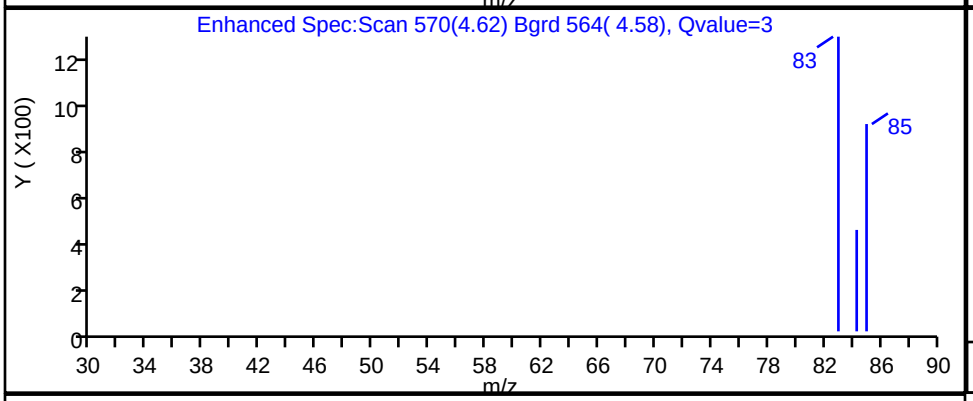
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0746.D				
Injection Date:	19-Aug-2020 15:09:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-7	Lab Sample ID:	480-173788-7		
Client ID:	442024-INJ-2				
Operator ID:	AM	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

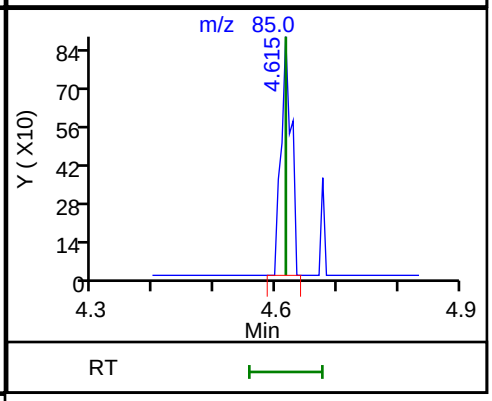
50 Chloroform, CAS: 67-66-3

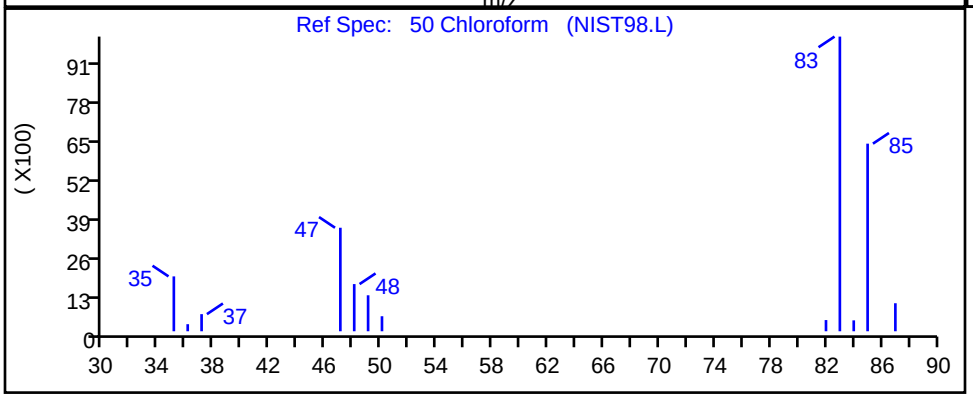
Processing Results











RT	Mass	Response	Amount
4.62	83.00	1617	0.086262
4.62	85.00	1033	

Reviewer: moffata, 20-Aug-2020 07:45:16

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

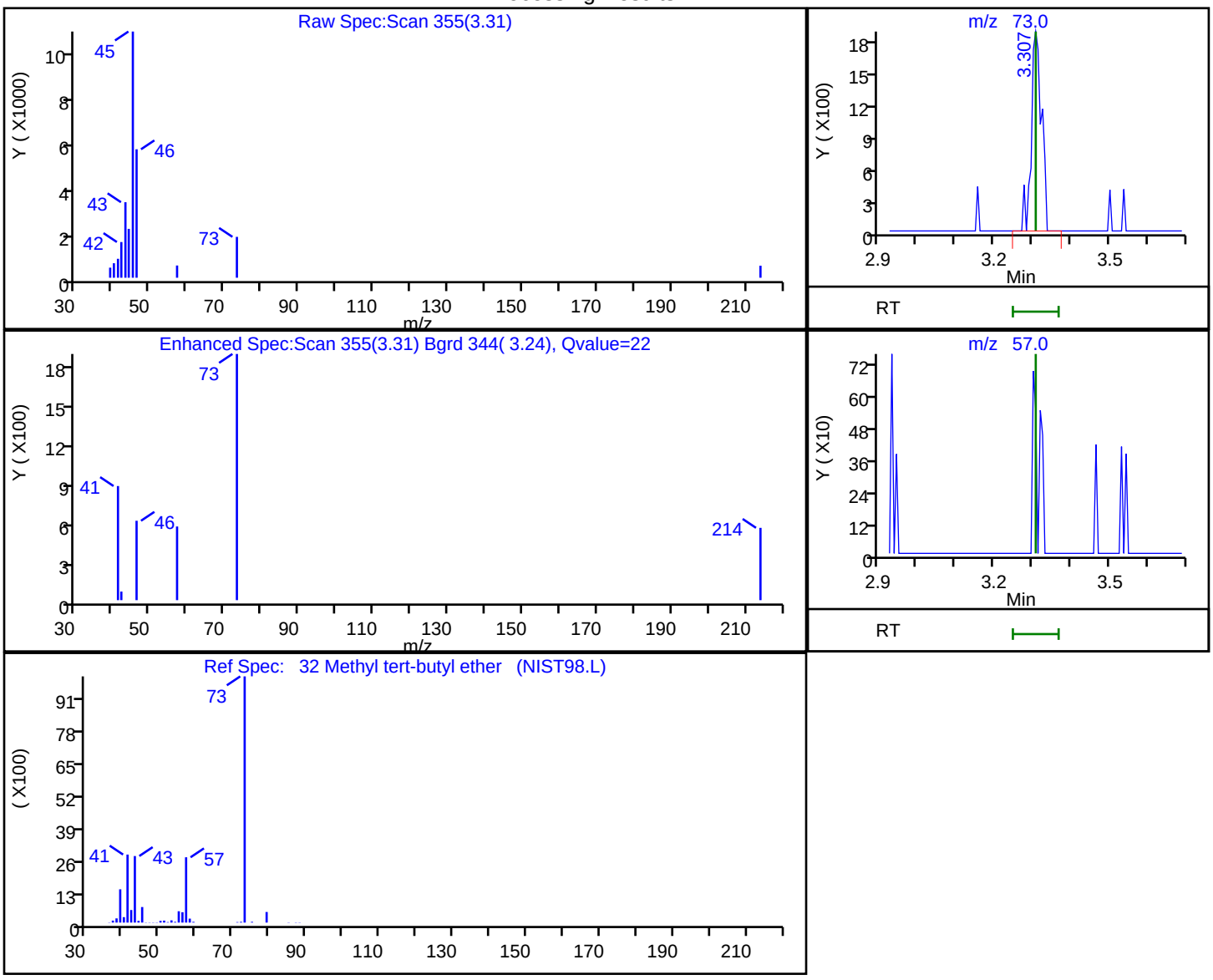
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0746.D				
Injection Date:	19-Aug-2020 15:09:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-7	Lab Sample ID:	480-173788-7		
Client ID:	442024-INJ-2				
Operator ID:	AM	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

32 Methyl tert-butyl ether, CAS: 1634-04-4

Processing Results



RT	Mass	Response	Amount
3.31	73.00	3367	0.099789
3.31	57.00	0	

Reviewer: moffata, 20-Aug-2020 07:45:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

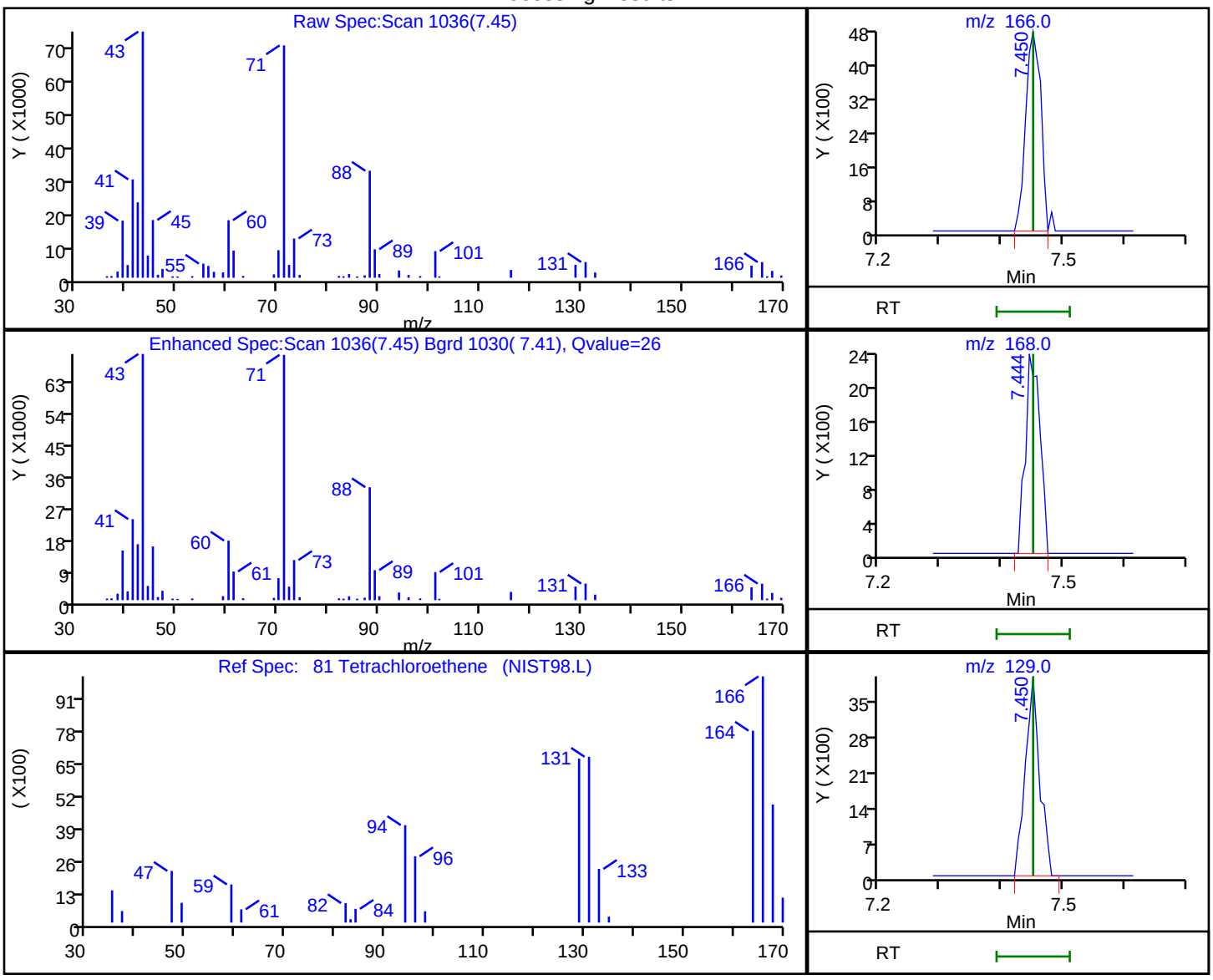
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0746.D				
Injection Date:	19-Aug-2020 15:09:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-7	Lab Sample ID:	480-173788-7		
Client ID:	442024-INJ-2				
Operator ID:	AM	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4

Processing Results



RT	Mass	Response	Amount
7.45	166.00	8103	0.738438
7.44	168.00	3843	
7.45	129.00	6358	

Reviewer: moffata, 20-Aug-2020 07:45:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0747.D
Lims ID: 480-173788-B-8
Client ID: 442024-MW-1
Sample Type: Client
Inject. Date: 19-Aug-2020 15:32:30 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-8
Misc. Info.: 480-0092846-020
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:45:43 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:45:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	179808	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	85	367800	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	95	362546	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	62	216518	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	92	147991	25.2	
$ 5 Toluene-d8 (Surr)	98	6.860	6.860	0.000	94	861405	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	273819	24.9	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	U
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	U
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	U
50 Chloroform	83		4.616				ND	U
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

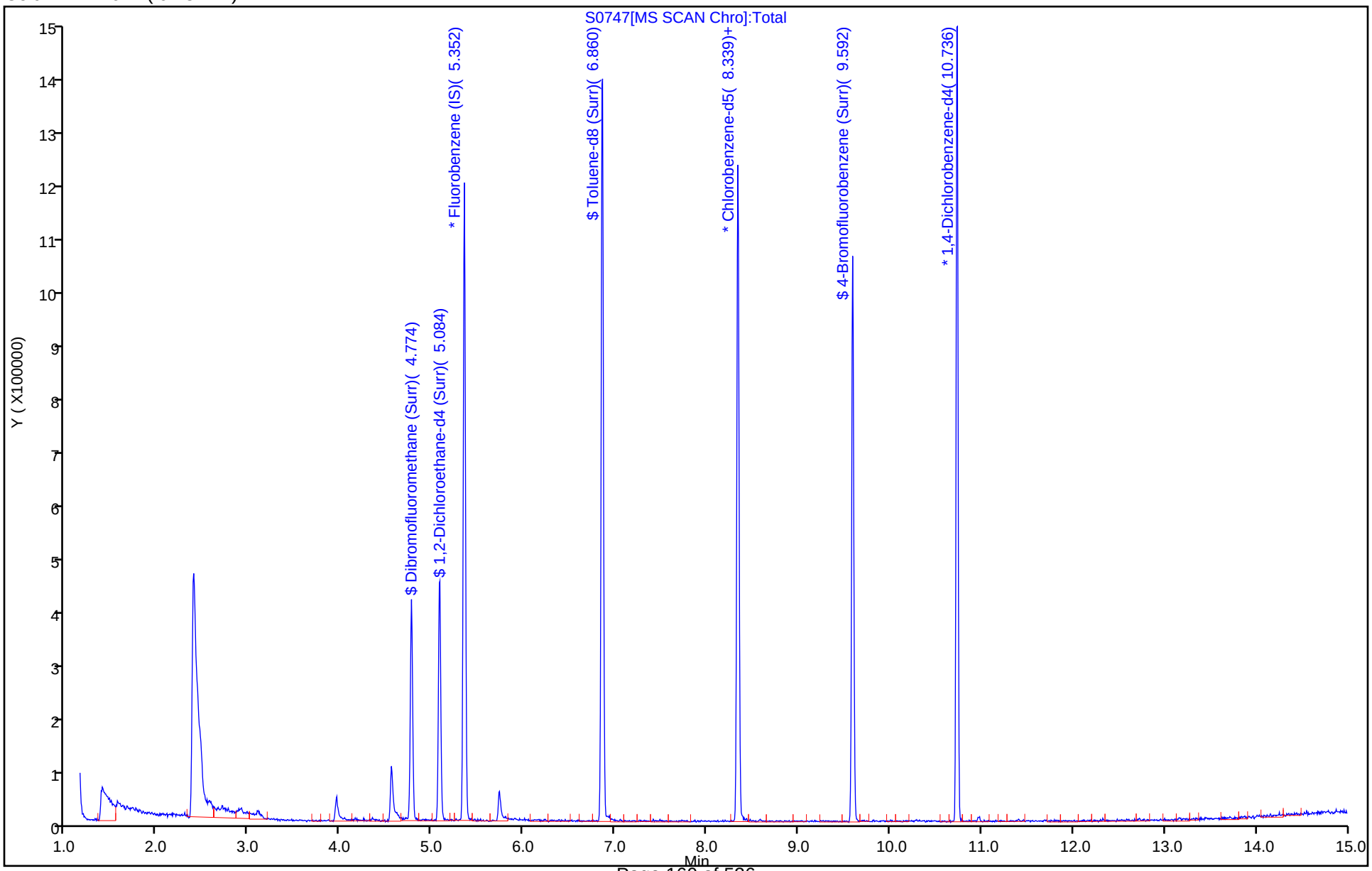
Report Date: 20-Aug-2020 07:45:44 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0747.D

Injection Date:	19-Aug-2020 15:32:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-8	Lab Sample ID:	480-173788-8	Worklist Smp#:	20
Client ID:	442024-MW-1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



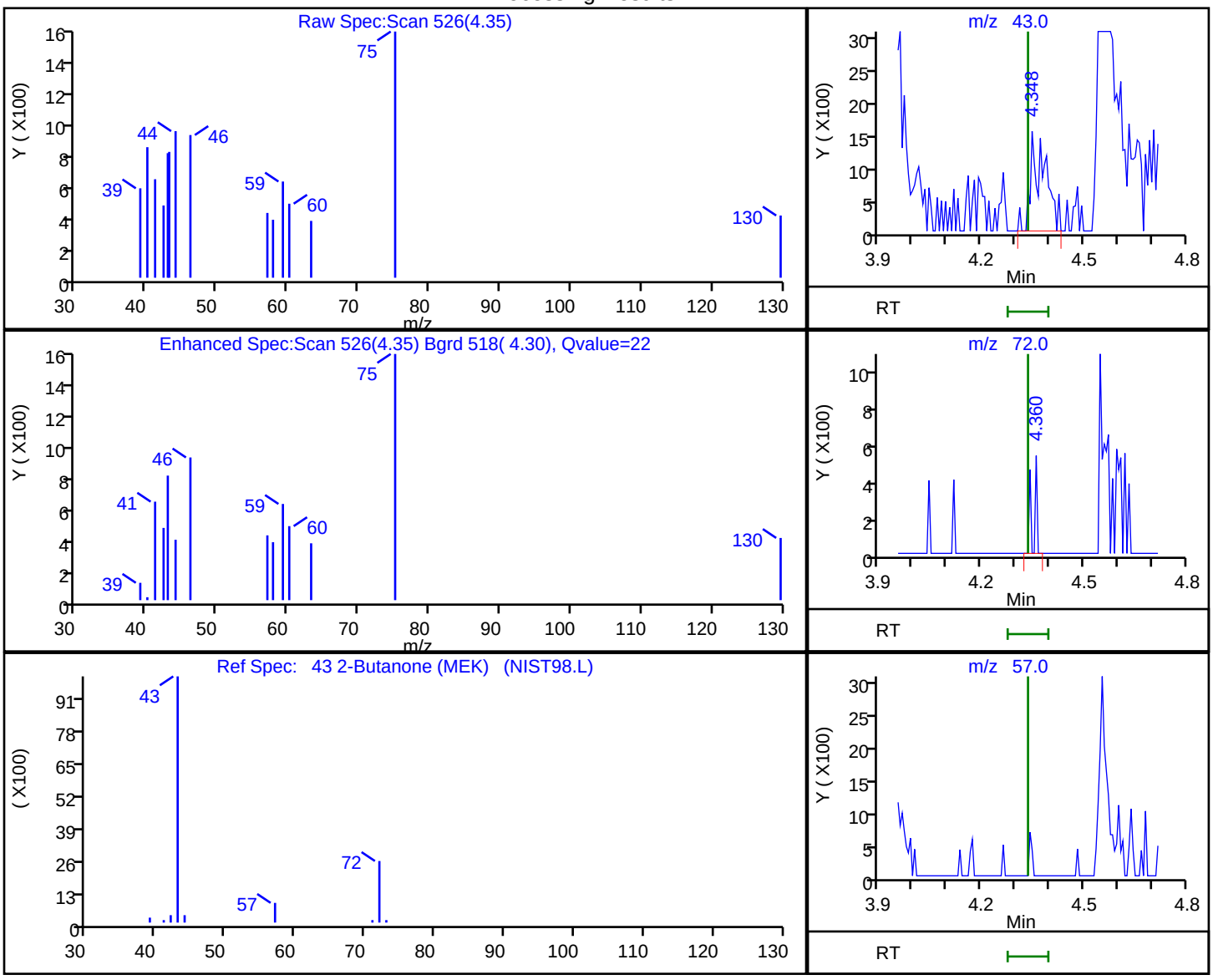
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0747.D				
Injection Date:	19-Aug-2020 15:32:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-8	Lab Sample ID:	480-173788-8		
Client ID:	442024-MW-1				
Operator ID:	AM	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.35	43.00	4596	0.598745
4.36	72.00	334	
4.34	57.00	0	

Reviewer: moffata, 20-Aug-2020 07:45:39

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

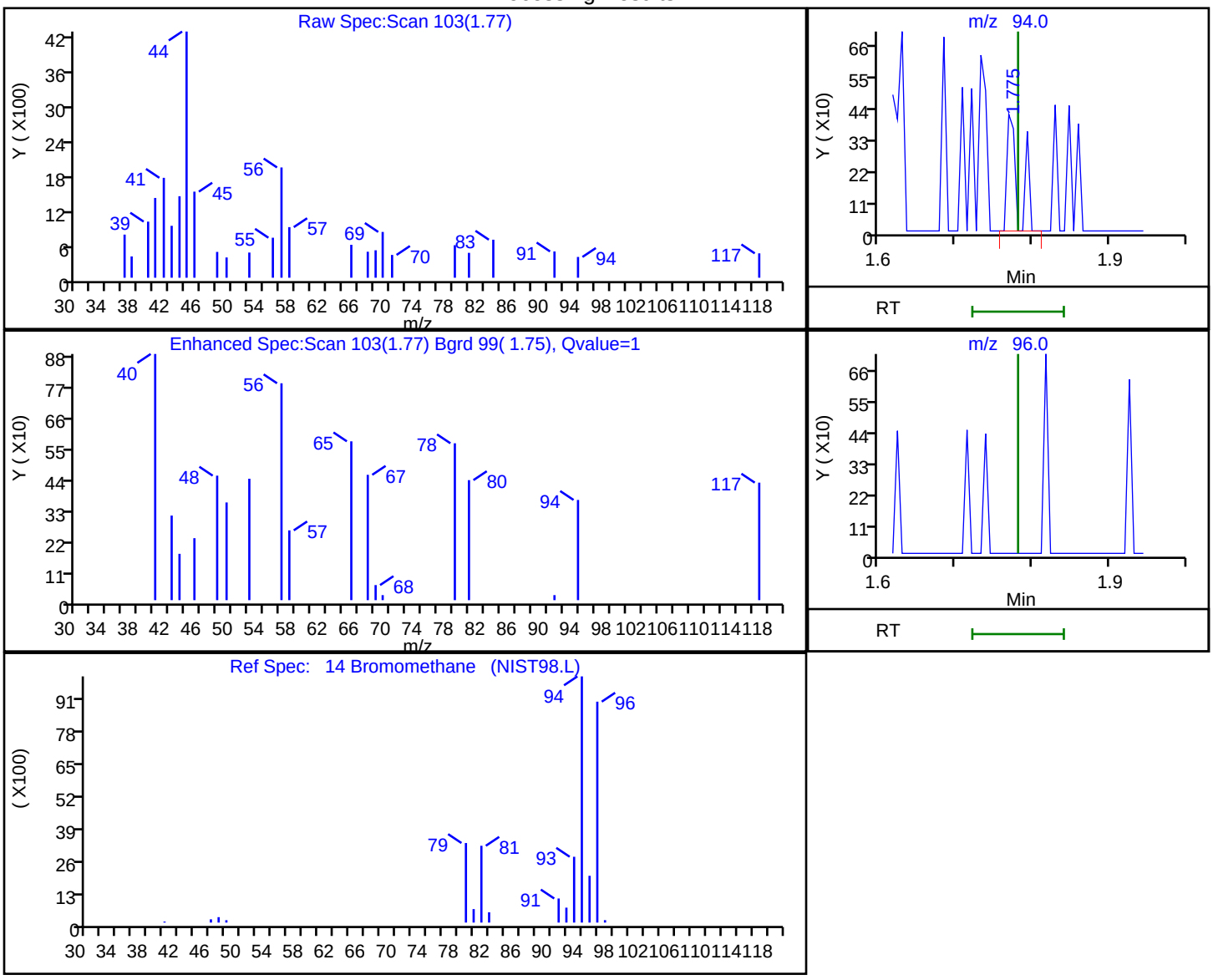
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0747.D				
Injection Date:	19-Aug-2020 15:32:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-8	Lab Sample ID:	480-173788-8		
Client ID:	442024-MW-1				
Operator ID:	AM	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.77	94.00	408	0.048978
1.78	96.00	0	

Reviewer: moffata, 20-Aug-2020 07:45:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

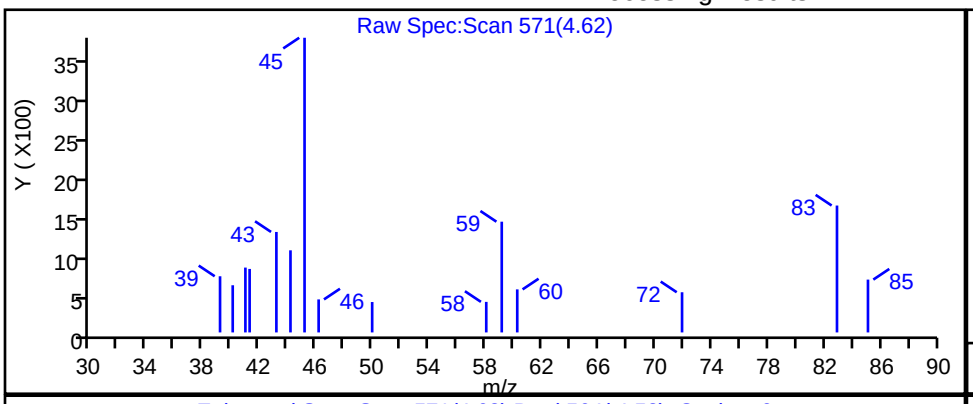
User Disabled Compound Report

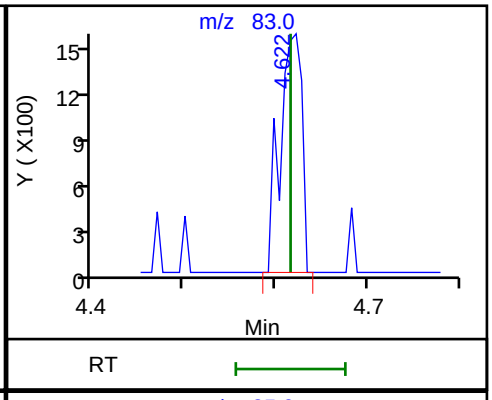
Eurofins TestAmerica, Buffalo

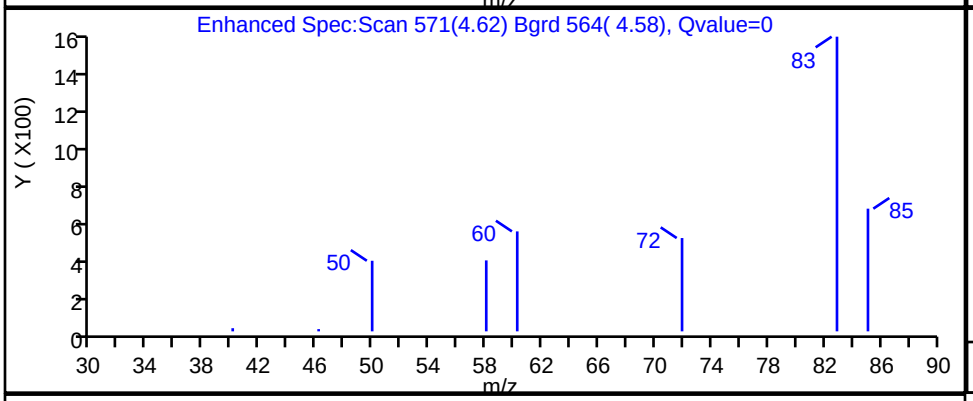
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0747.D				
Injection Date:	19-Aug-2020 15:32:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-8	Lab Sample ID:	480-173788-8		
Client ID:	442024-MW-1				
Operator ID:	AM	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

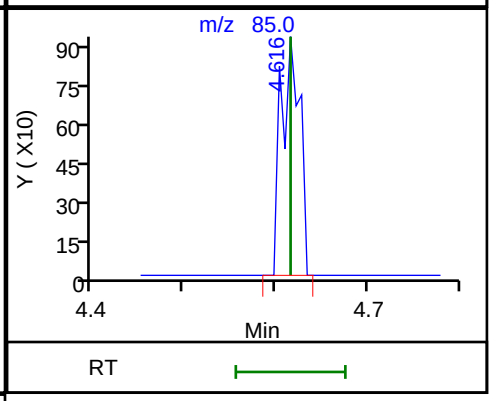
50 Chloroform, CAS: 67-66-3

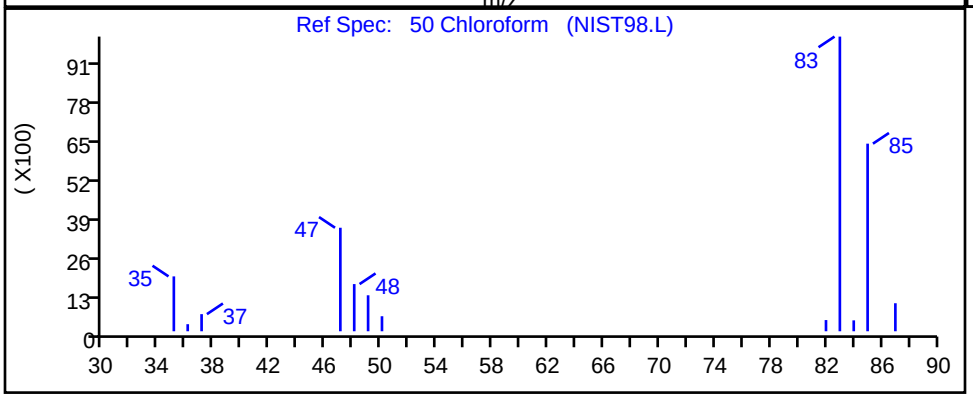
Processing Results











RT	Mass	Response	Amount
4.62	83.00	2653	0.141646
4.62	85.00	1321	

Reviewer: moffata, 20-Aug-2020 07:45:40

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

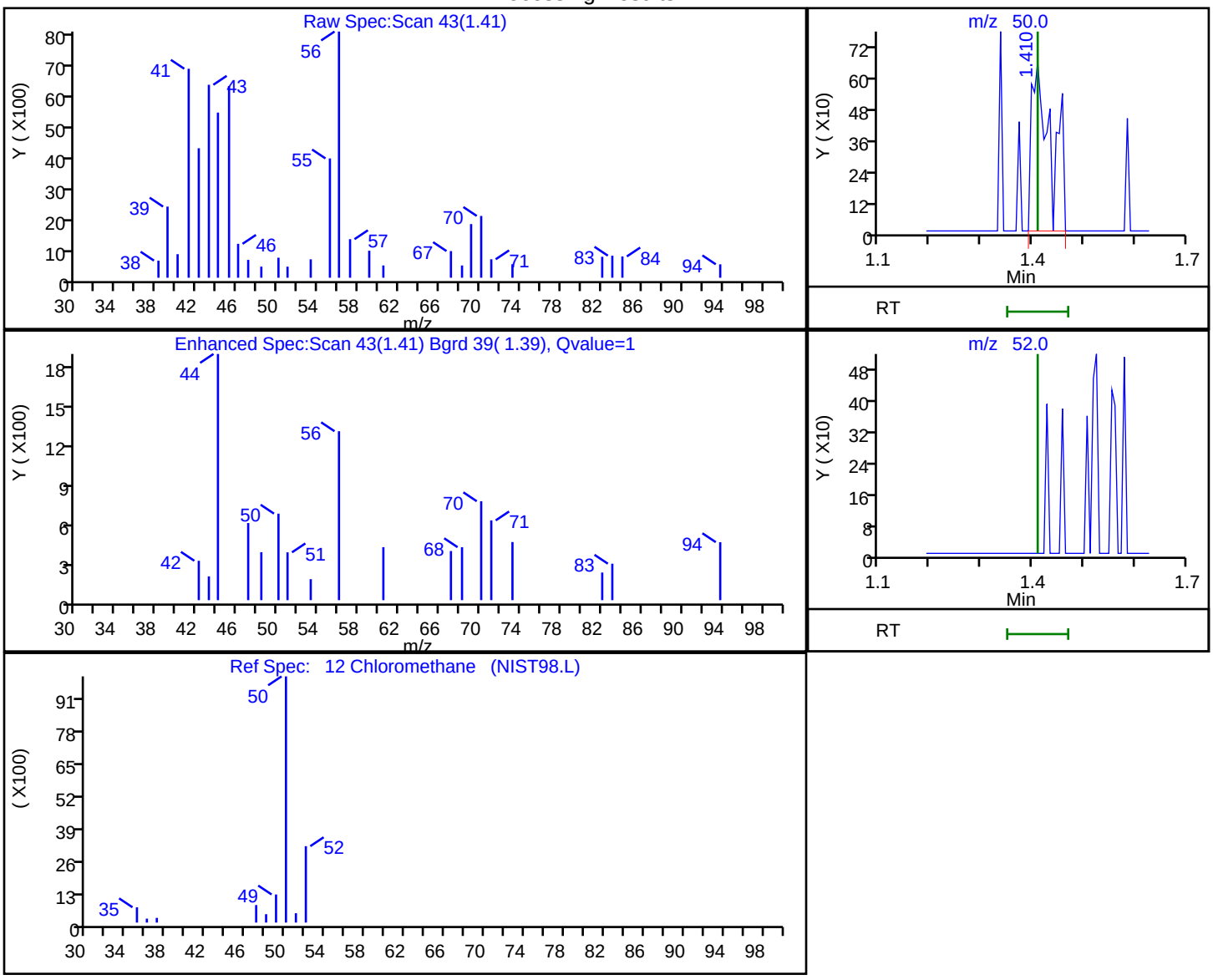
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0747.D				
Injection Date:	19-Aug-2020 15:32:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-8	Lab Sample ID:	480-173788-8		
Client ID:	442024-MW-1				
Operator ID:	AM	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.41	50.00	1739	0.123979
1.41	52.00	0	

Reviewer: moffata, 20-Aug-2020 07:45:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0748.D
Lims ID: 480-173788-B-9
Client ID: 442024-MW-4B
Sample Type: Client
Inject. Date: 19-Aug-2020 15:55:30 ALS Bottle#: 14 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-9
Misc. Info.: 480-0092846-021
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:45:53 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:45:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	181546	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	87	364908	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	95	357938	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	57	217601	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	91	151524	25.5	
$ 5 Toluene-d8 (Surr)	98	6.854	6.860	-0.006	94	854938	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	273993	25.2	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	U
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	U
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.616				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

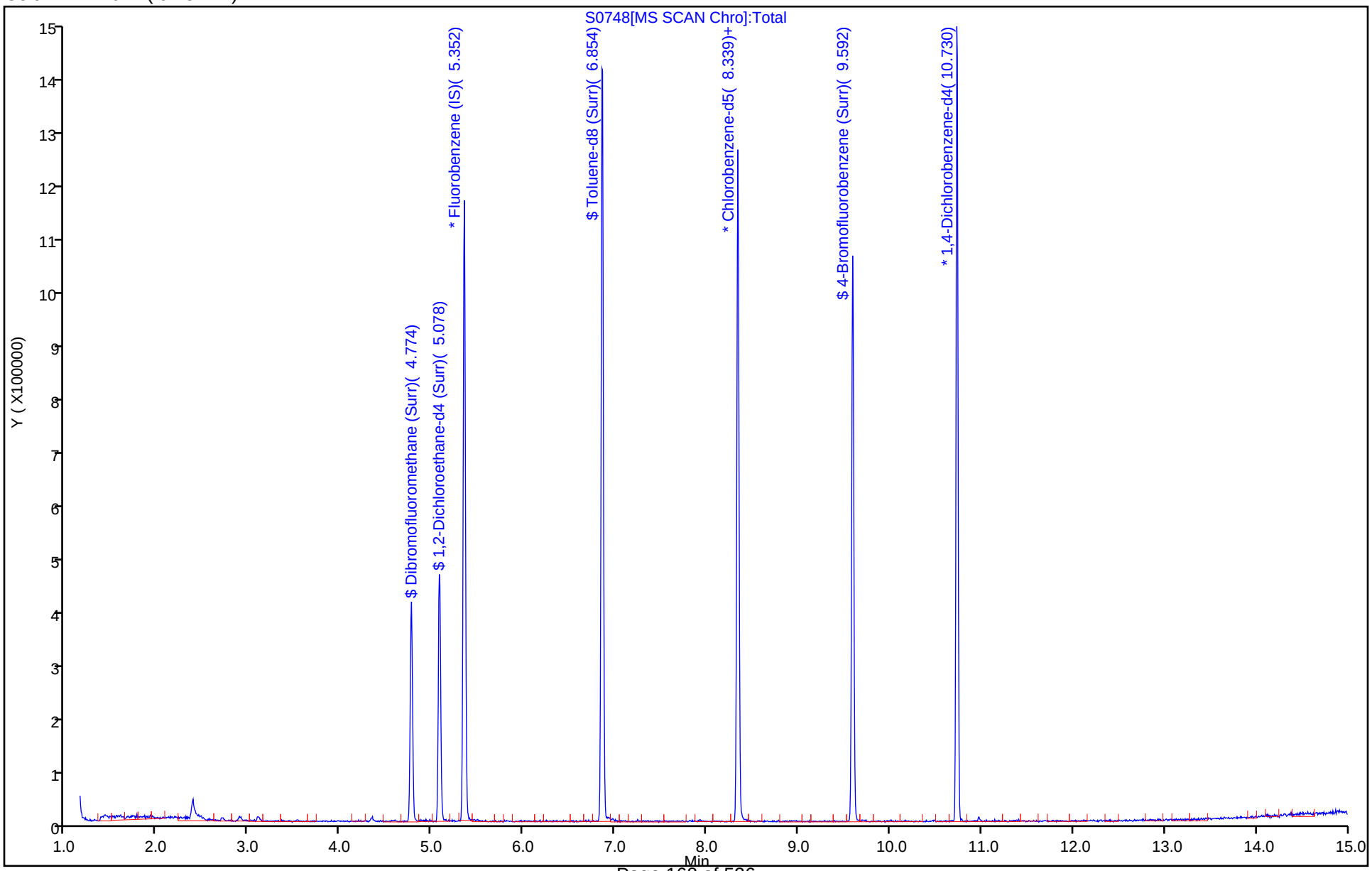
Report Date: 20-Aug-2020 07:45:53 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0748.D

Injection Date:	19-Aug-2020 15:55:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-9	Lab Sample ID:	480-173788-9	Worklist Smp#:	21
Client ID:	442024-MW-4B				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



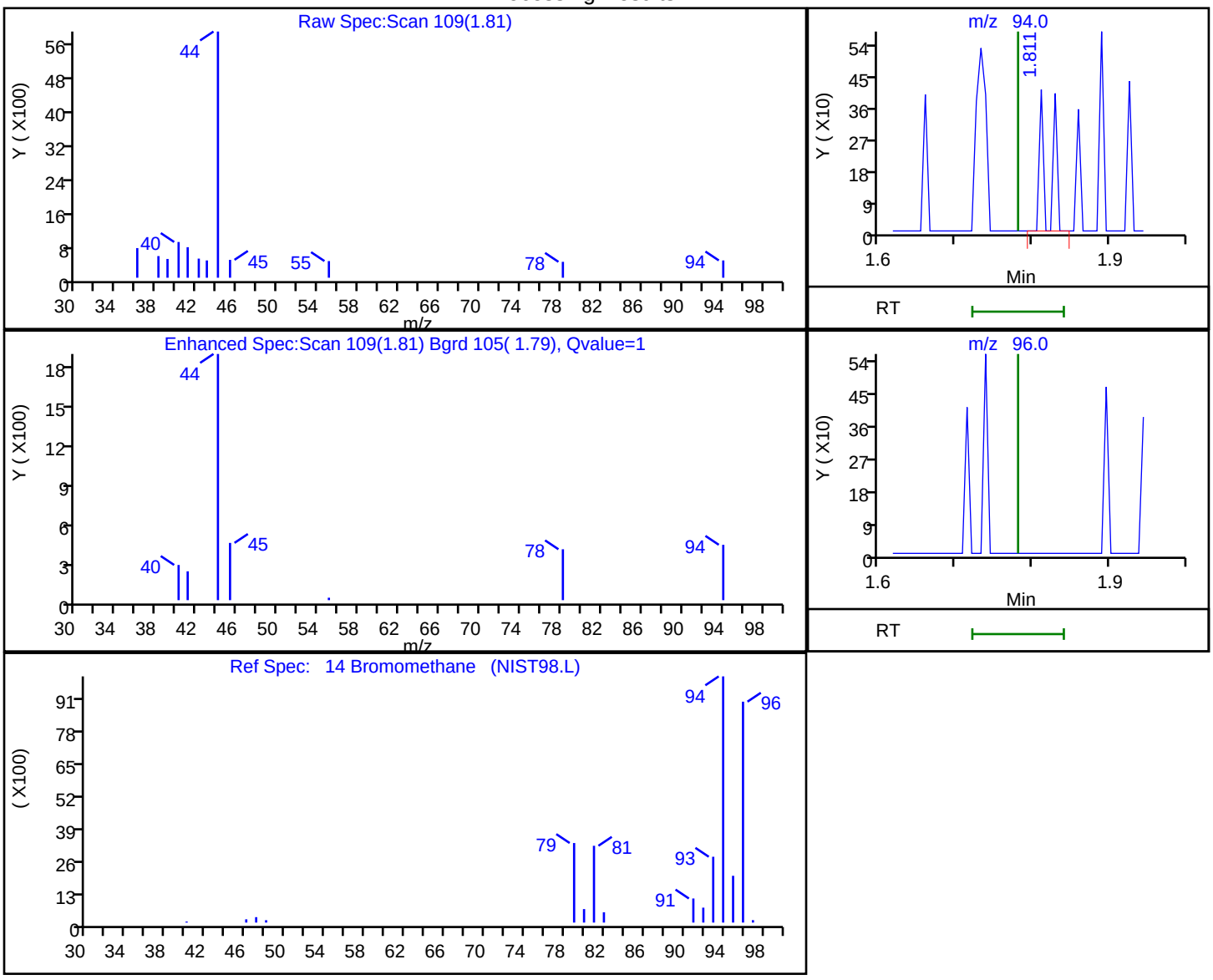
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0748.D				
Injection Date:	19-Aug-2020 15:55:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-9	Lab Sample ID:	480-173788-9		
Client ID:	442024-MW-4B				
Operator ID:	AM	ALS Bottle#:	14	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.81	94.00	295	0.035074
1.78	96.00	0	

Reviewer: moffata, 20-Aug-2020 07:45:46

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

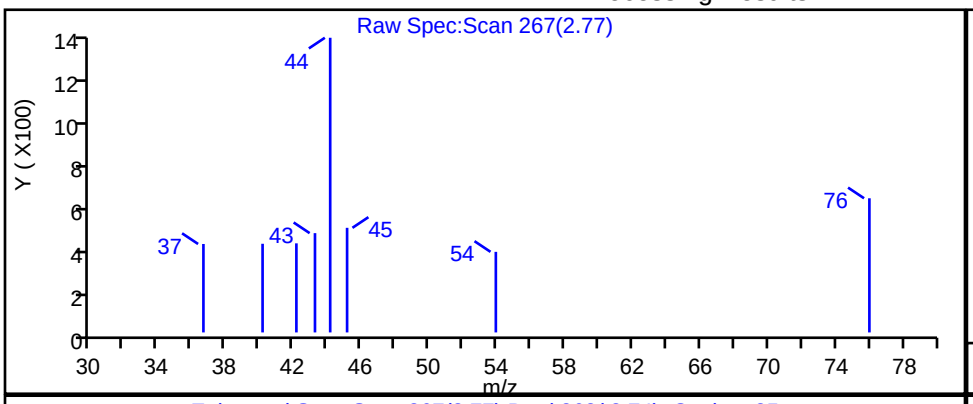
User Disabled Compound Report

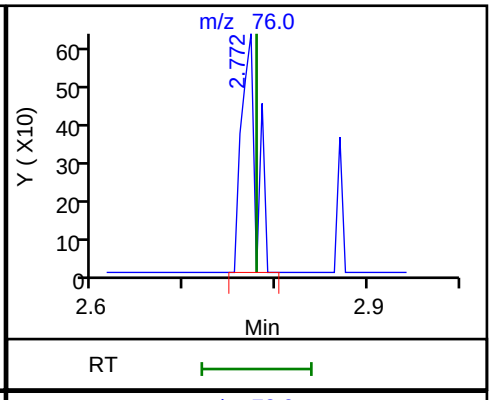
Eurofins TestAmerica, Buffalo

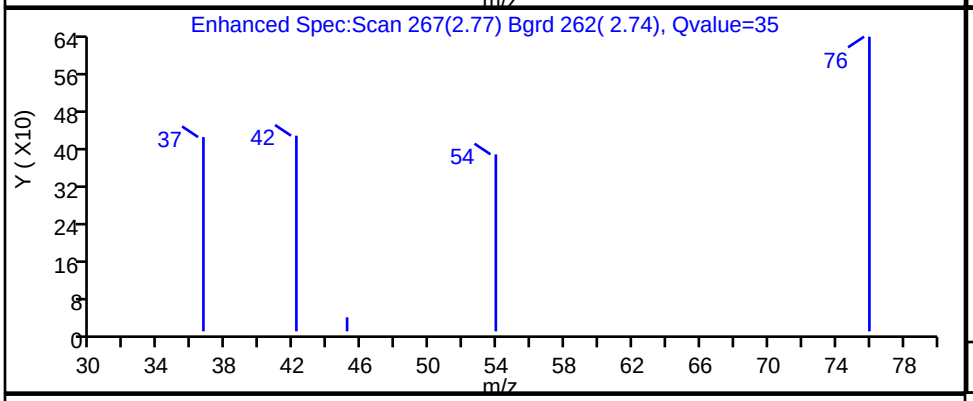
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0748.D				
Injection Date:	19-Aug-2020 15:55:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-9	Lab Sample ID:	480-173788-9		
Client ID:	442024-MW-4B				
Operator ID:	AM	ALS Bottle#:	14	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

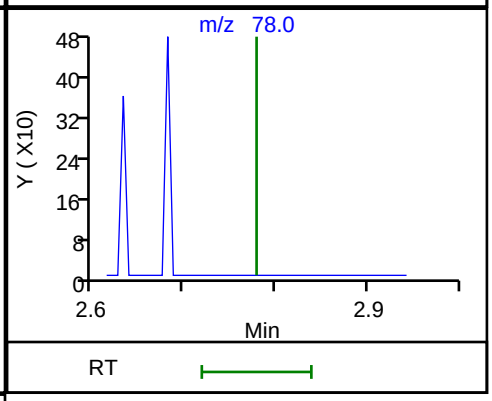
26 Carbon disulfide, CAS: 75-15-0

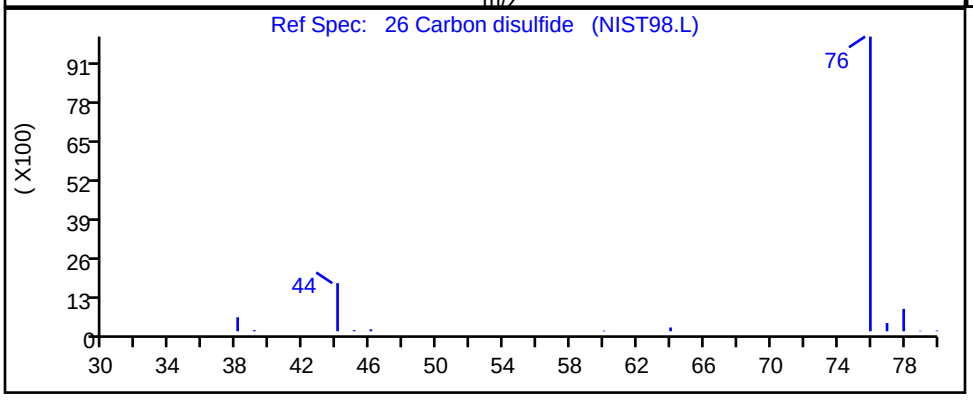
Processing Results











RT	Mass	Response	Amount
2.77	76.00	714	0.024018
2.78	78.00	0	

Reviewer: moffata, 20-Aug-2020 07:45:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0749.D
Lims ID: 480-173788-B-10
Client ID: 442024-MW-104
Sample Type: Client
Inject. Date: 19-Aug-2020 16:18:30 ALS Bottle#: 15 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-10
Misc. Info.: 480-0092846-022
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:46:04 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:46:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.351	5.352	-0.001	98	184578	25.0	
* 2 Chlorobenzene-d5	82	8.338	8.339	-0.001	86	376436	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.735	10.736	-0.001	95	356386	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	64	214425	23.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.084	5.078	0.006	92	146853	24.3	
$ 5 Toluene-d8 (Surr)	98	6.860	6.860	0.000	94	860227	24.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	271679	24.2	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	U
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	U
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.616				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	U
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

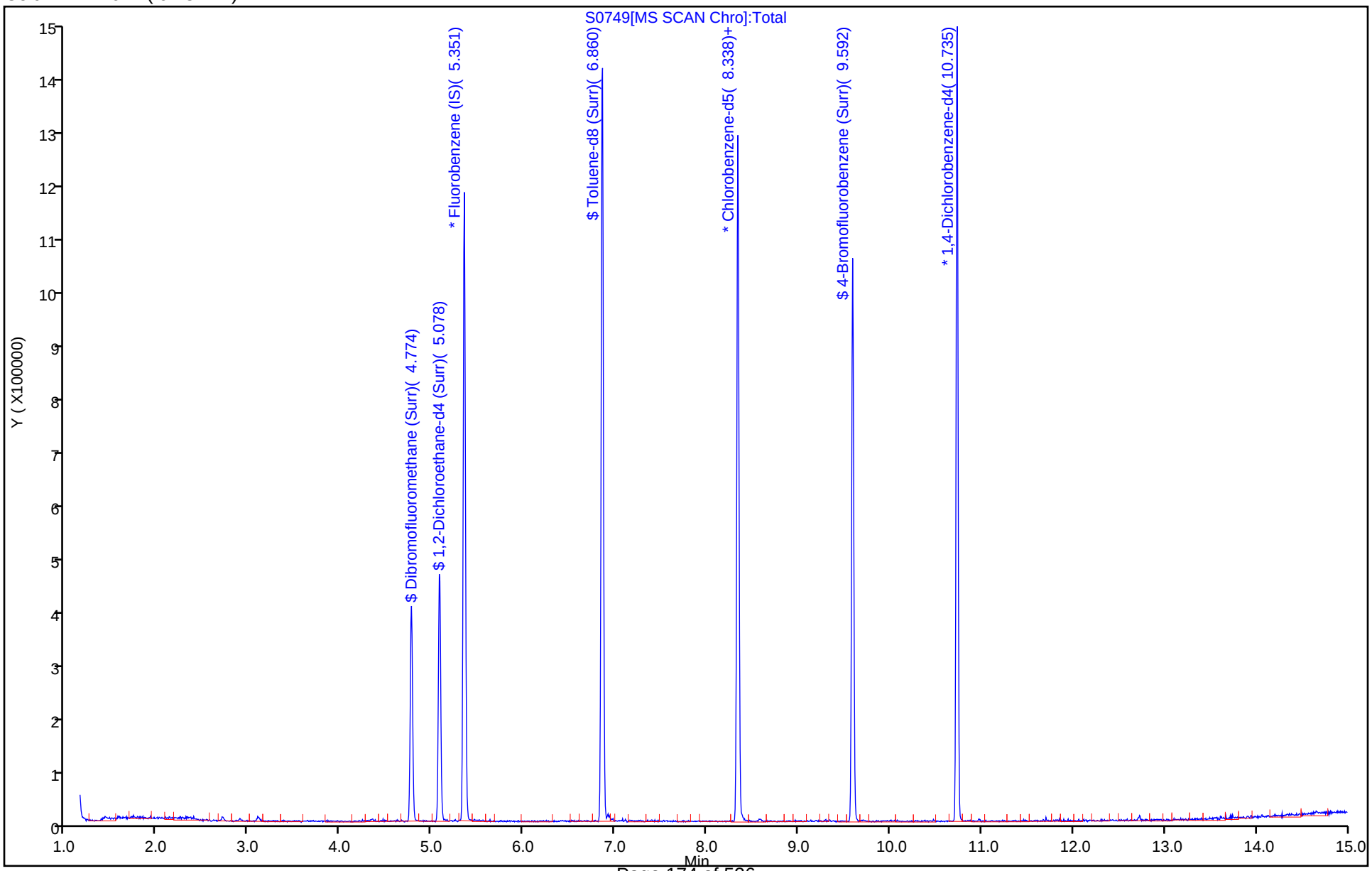
Report Date: 20-Aug-2020 07:46:04 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0749.D

Injection Date:	19-Aug-2020 16:18:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-10	Lab Sample ID:	480-173788-10	Worklist Smp#:	22
Client ID:	442024-MW-104				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



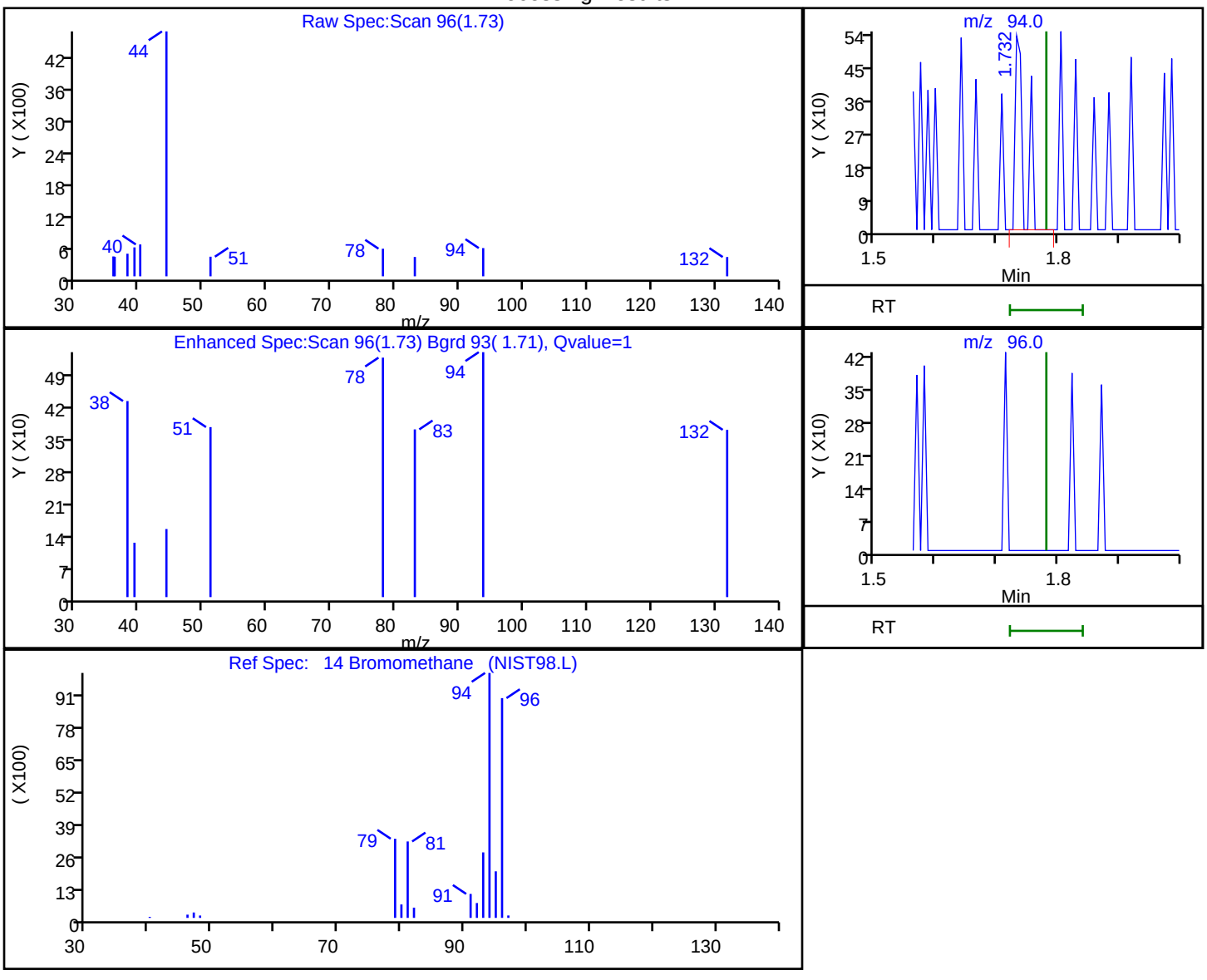
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0749.D		
Injection Date:	19-Aug-2020 16:18:30	Instrument ID:	HP5973S
Lims ID:	480-173788-B-10	Lab Sample ID:	480-173788-10
Client ID:	442024-MW-104		
Operator ID:	AM	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.73	94.00	528	0.061746
1.78	96.00	0	

Reviewer: moffata, 20-Aug-2020 07:45:56

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

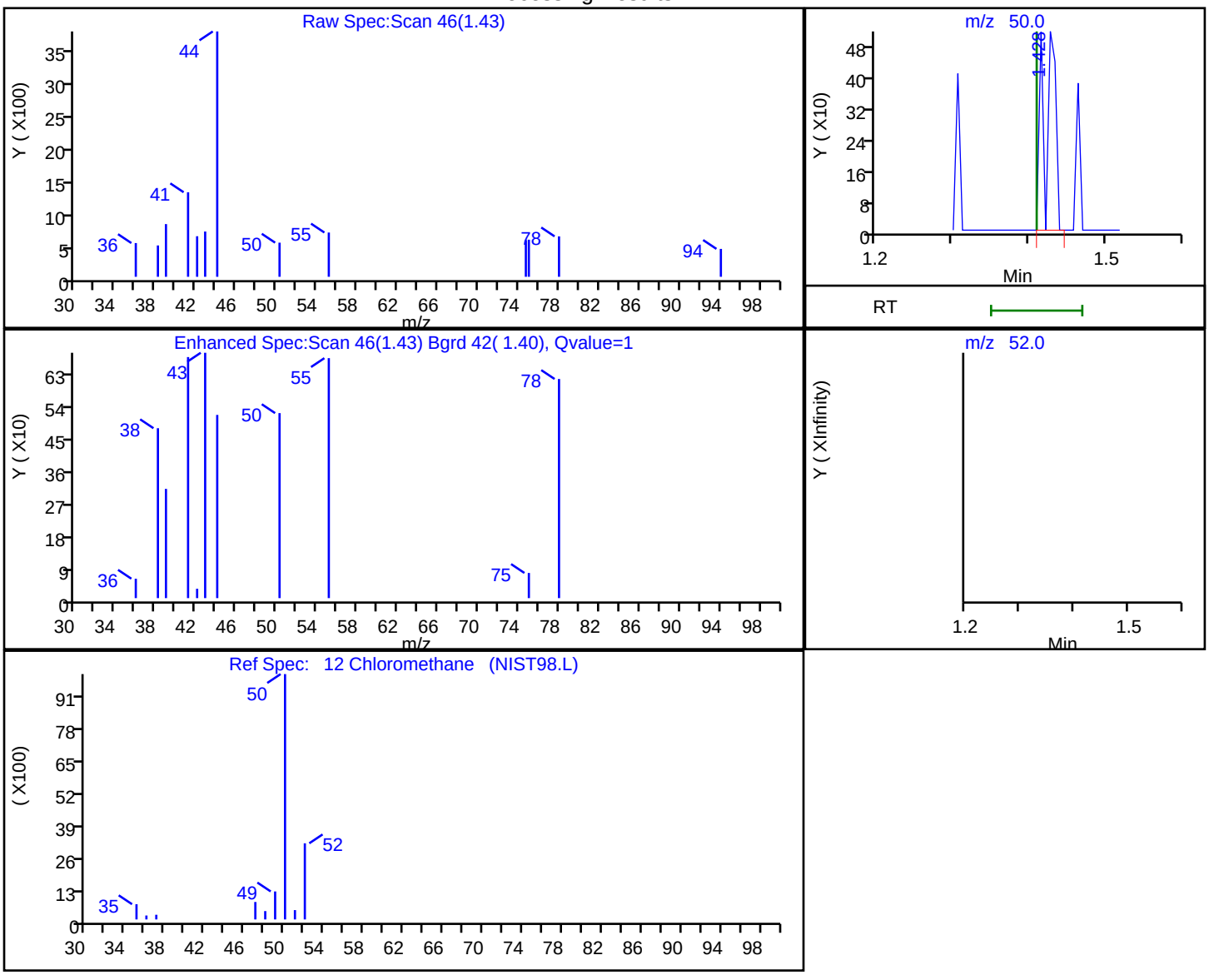
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0749.D				
Injection Date:	19-Aug-2020 16:18:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-10	Lab Sample ID:	480-173788-10		
Client ID:	442024-MW-104				
Operator ID:	AM	ALS Bottle#:	15	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.43	50.00	535	0.037156
1.41	52.00	0	

Reviewer: moffata, 20-Aug-2020 07:45:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

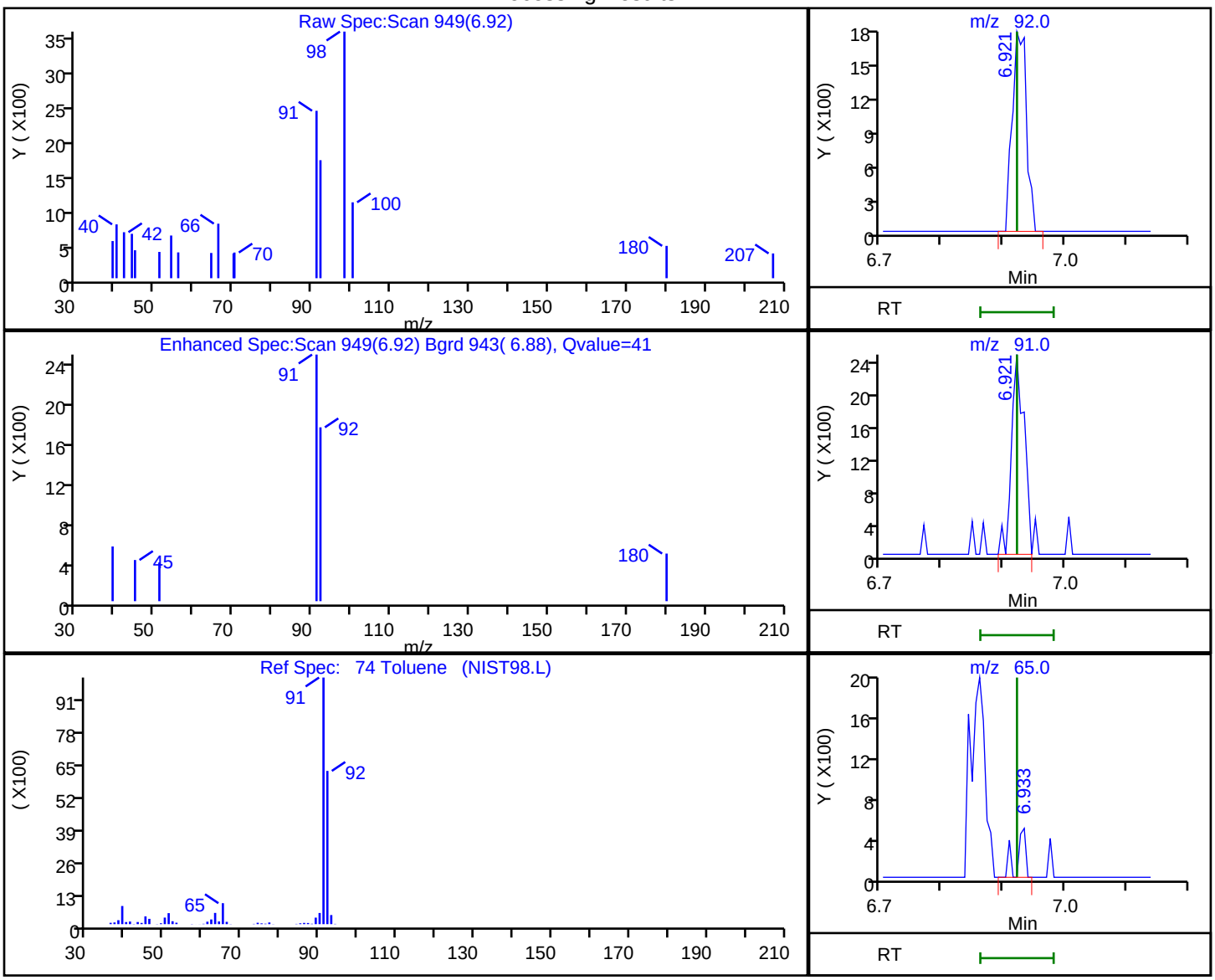
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0749.D				
Injection Date:	19-Aug-2020 16:18:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-10	Lab Sample ID:	480-173788-10		
Client ID:	442024-MW-104				
Operator ID:	AM	ALS Bottle#:	15	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
6.92	92.00	2759	0.099454
6.92	91.00	3493	
6.93	65.00	464	

Reviewer: moffata, 20-Aug-2020 07:46:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0750.D
Lims ID: 480-173788-B-11
Client ID: 442024-MW-4
Sample Type: Client
Inject. Date: 19-Aug-2020 16:41:30 ALS Bottle#: 16 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-11
Misc. Info.: 480-0092846-023
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:46:11 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:46:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	178875	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	364448	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	94	347940	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	70	215602	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	91	148216	25.3	
$ 5 Toluene-d8 (Surr)	98	6.860	6.860	0.000	94	851867	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	270784	24.9	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	U
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.616				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

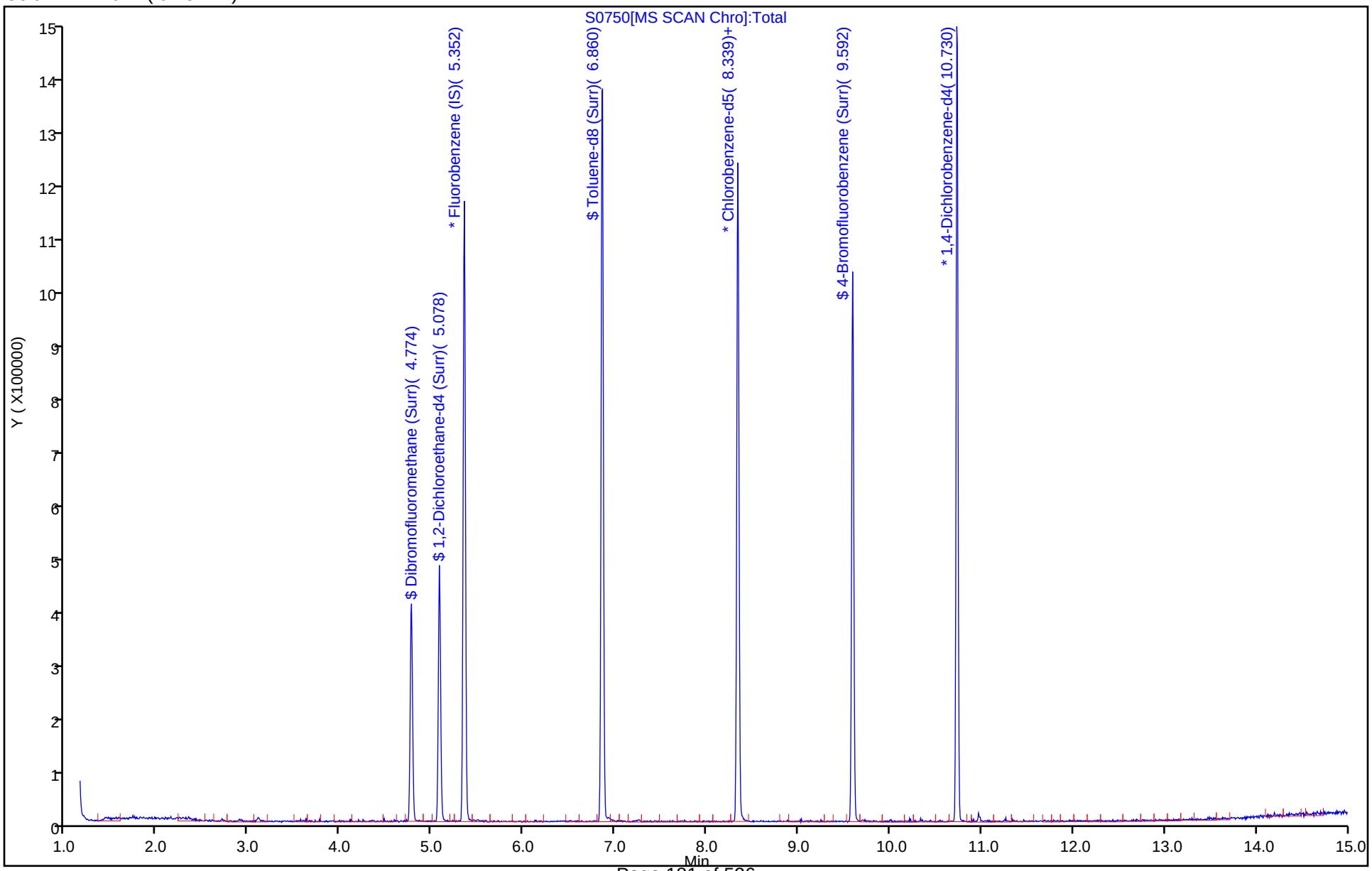
Report Date: 20-Aug-2020 07:46:13 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0750.D

Injection Date:	19-Aug-2020 16:41:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-11	Lab Sample ID:	480-173788-11	Worklist Smp#:	23
Client ID:	442024-MW-4				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



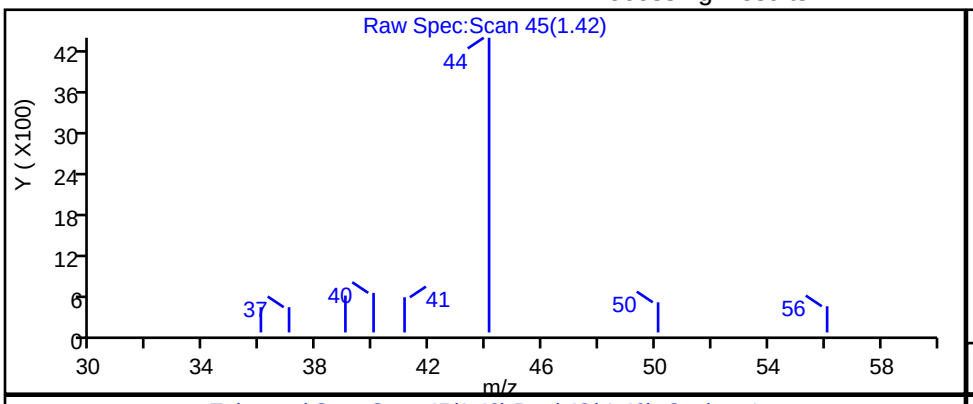
User Disabled Compound Report

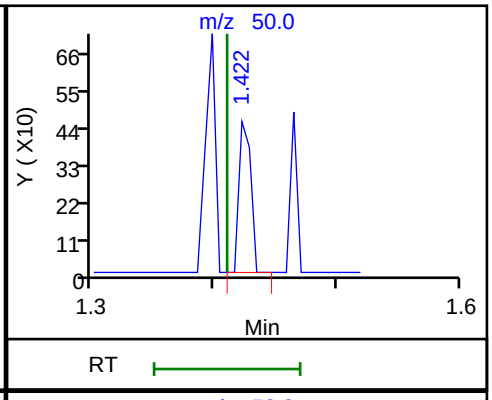
Eurofins TestAmerica, Buffalo

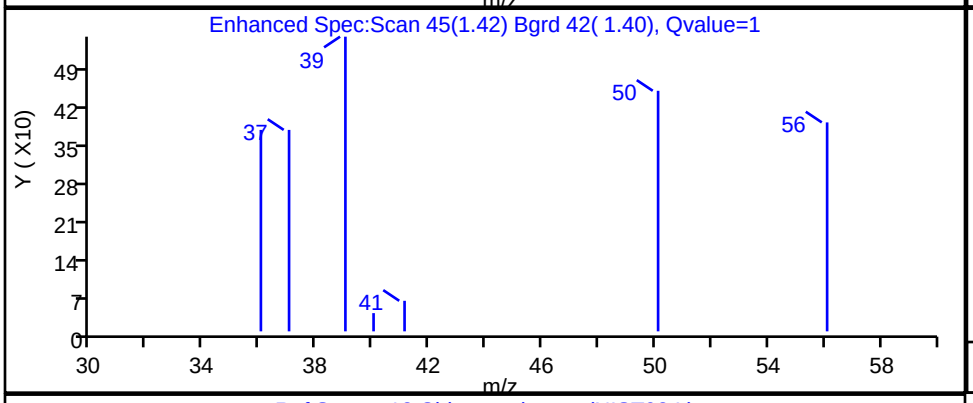
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0750.D				
Injection Date:	19-Aug-2020 16:41:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-11	Lab Sample ID:	480-173788-11		
Client ID:	442024-MW-4				
Operator ID:	AM	ALS Bottle#:	16	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

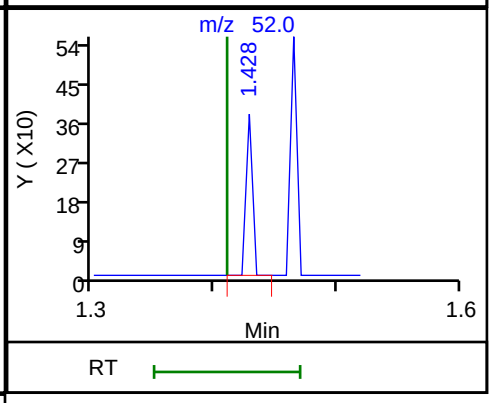
12 Chloromethane, CAS: 74-87-3

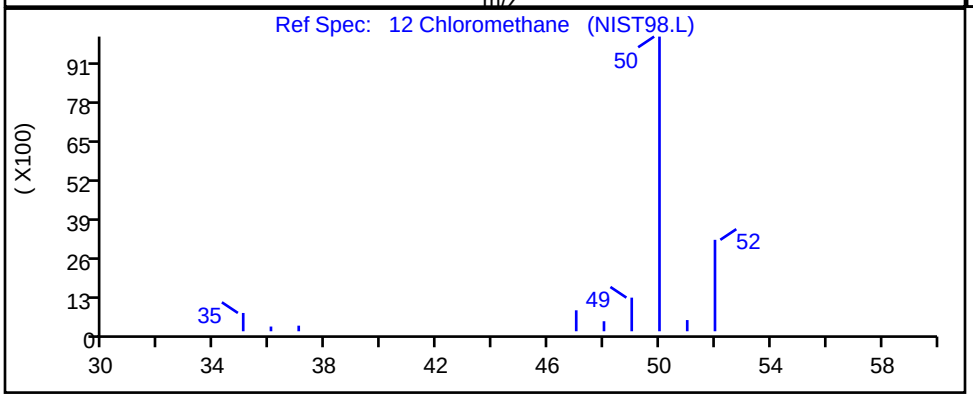
Processing Results











RT	Mass	Response	Amount
1.42	50.00	300	0.021500
1.43	52.00	138	

Reviewer: moffata, 20-Aug-2020 07:46:07

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0751.D
Lims ID: 480-173788-B-12
Client ID: 442024-MW-108A
Sample Type: Client
Inject. Date: 19-Aug-2020 17:04:30 ALS Bottle#: 17 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-12
Misc. Info.: 480-0092846-024
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:46:26 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:46:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.351	5.352	-0.001	98	182534	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	-0.001	85	360335	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.735	10.736	-0.001	94	359211	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	62	215384	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	97	155116	26.0	
$ 5 Toluene-d8 (Surr)	98	6.854	6.860	-0.006	94	850548	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	268333	24.9	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	U
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.616				ND	U
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

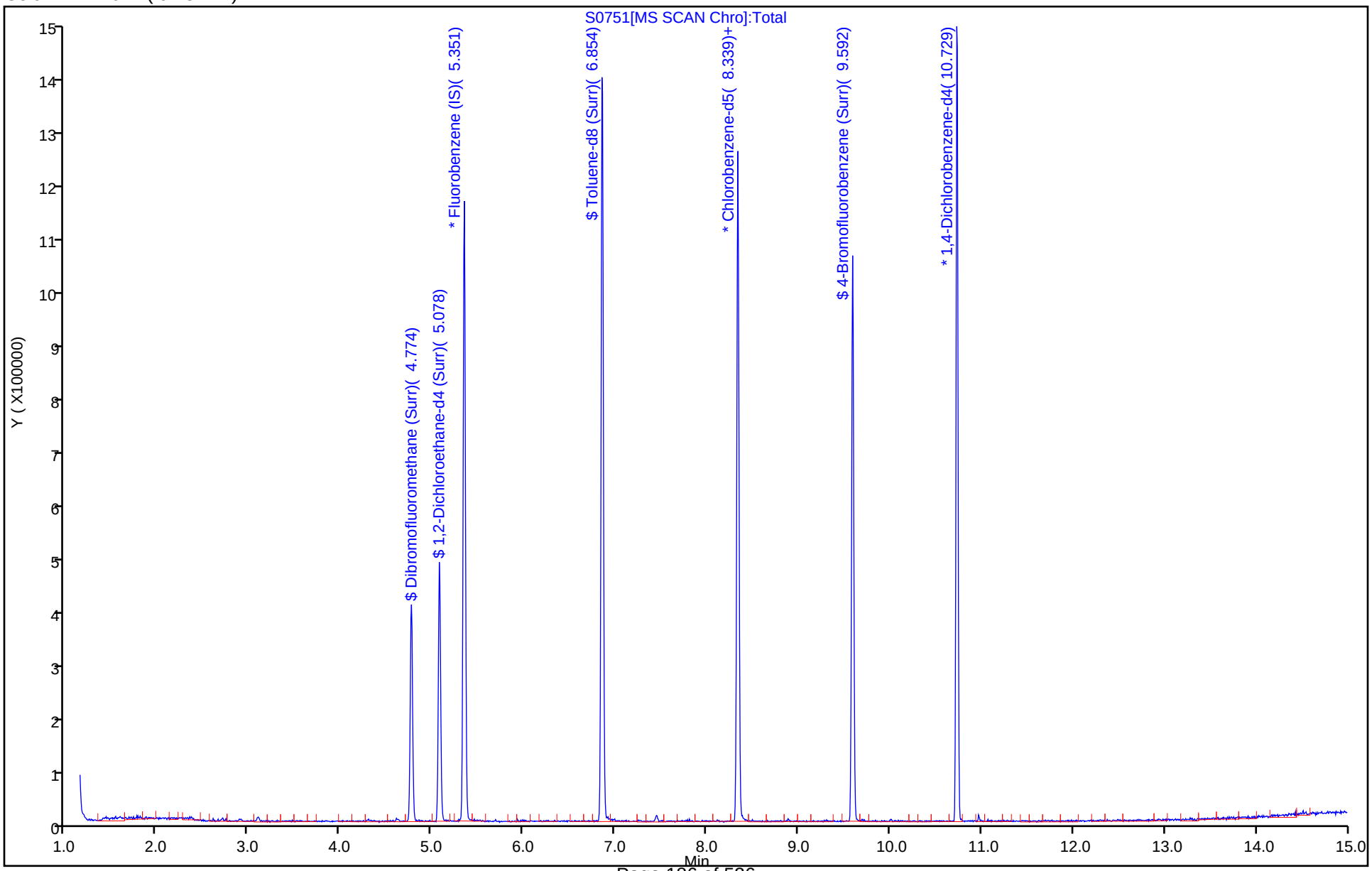
Report Date: 20-Aug-2020 07:46:26 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0751.D

Injection Date:	19-Aug-2020 17:04:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-12	Lab Sample ID:	480-173788-12	Worklist Smp#:	24
Client ID:	442024-MW-108A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



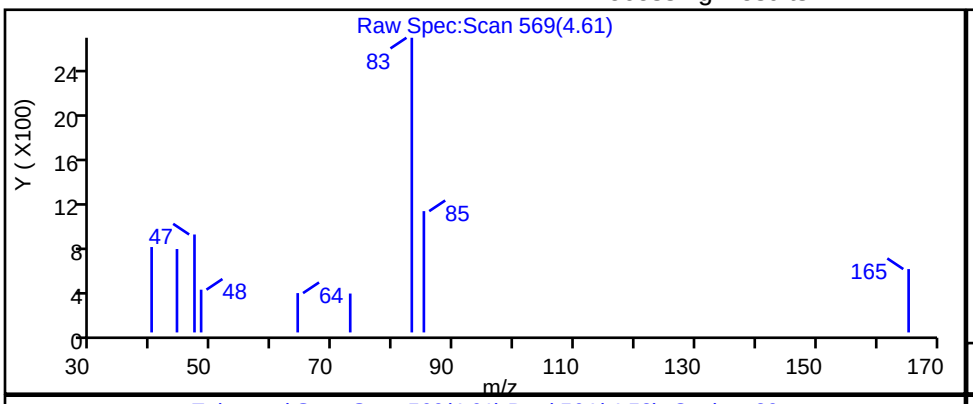
User Disabled Compound Report

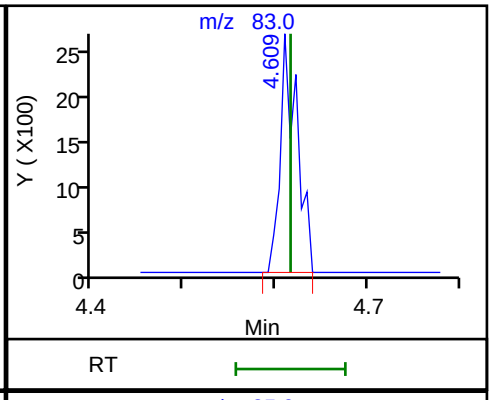
Eurofins TestAmerica, Buffalo

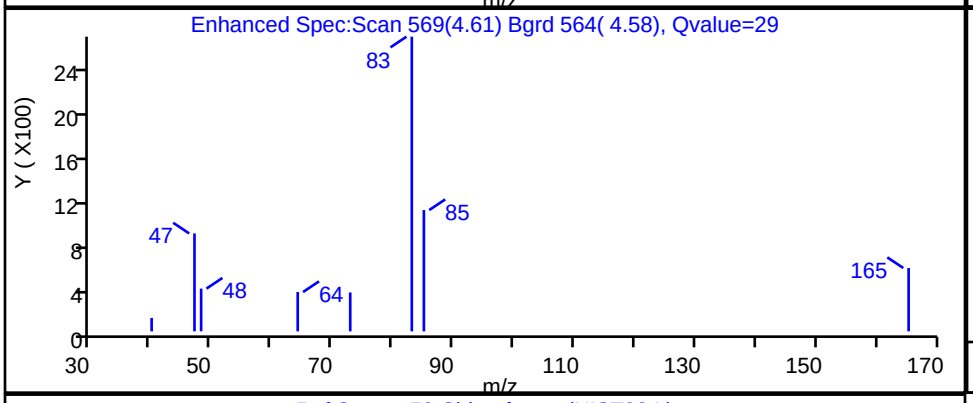
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0751.D				
Injection Date:	19-Aug-2020 17:04:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-12	Lab Sample ID:	480-173788-12		
Client ID:	442024-MW-108A				
Operator ID:	AM	ALS Bottle#:	17	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

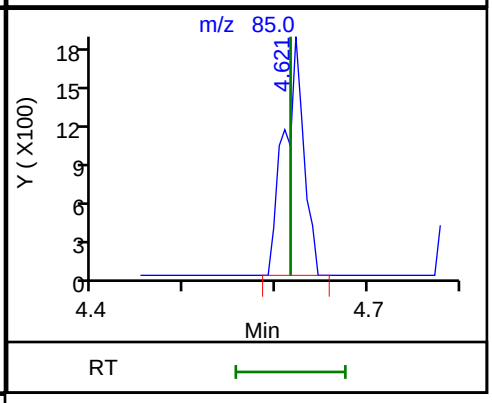
50 Chloroform, CAS: 67-66-3

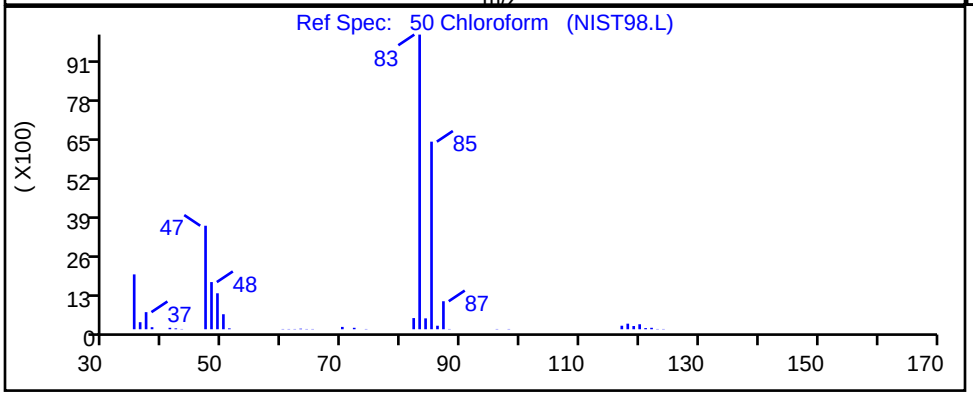
Processing Results











RT	Mass	Response	Amount
4.61	83.00	3420	0.179870
4.62	85.00	2697	

Reviewer: moffata, 20-Aug-2020 07:46:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

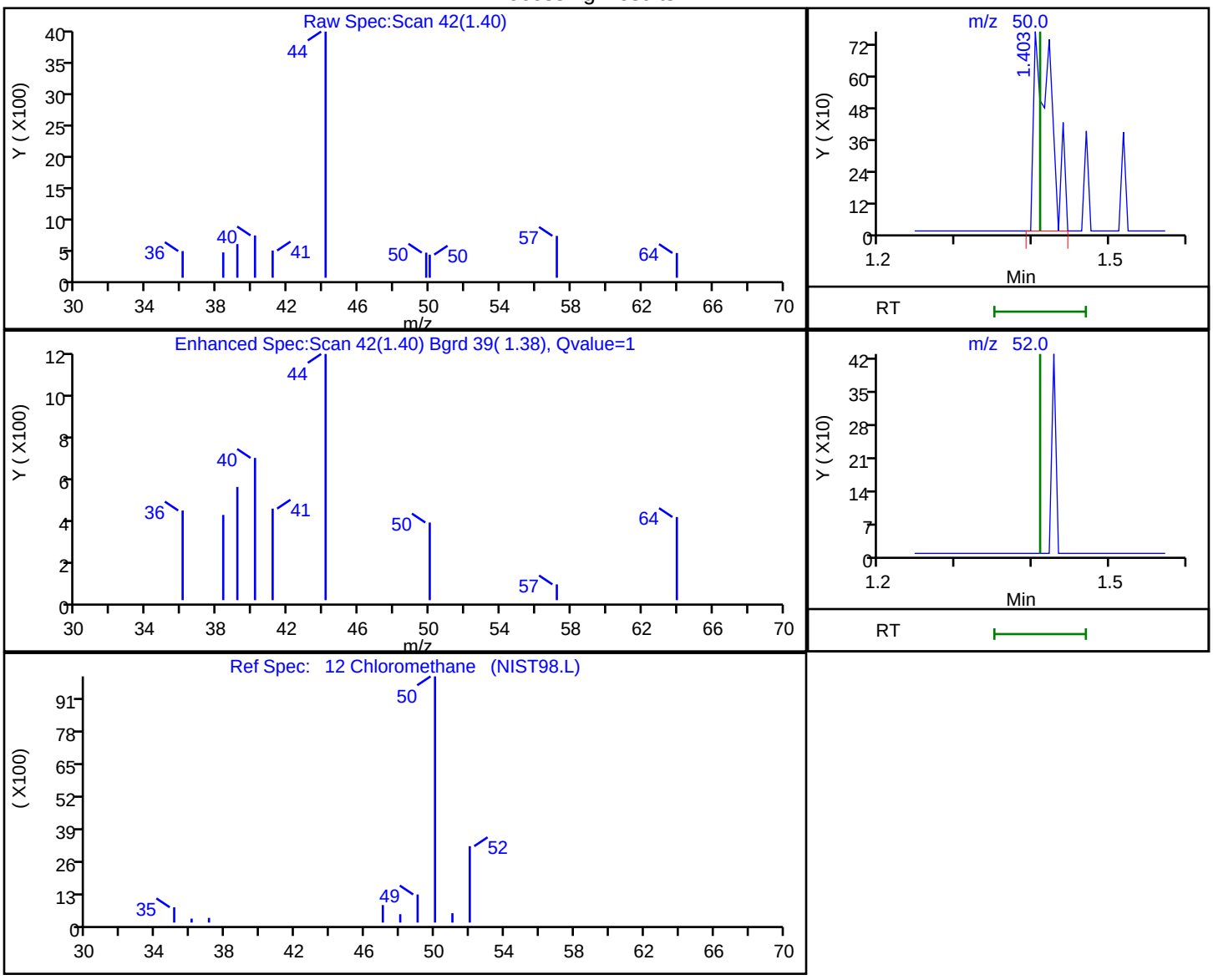
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0751.D				
Injection Date:	19-Aug-2020 17:04:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-12	Lab Sample ID:	480-173788-12		
Client ID:	442024-MW-108A				
Operator ID:	AM	ALS Bottle#:	17	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.40	50.00	1195	0.083923
1.41	52.00	0	

Reviewer: moffata, 20-Aug-2020 07:46:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6220.D
Lims ID: 480-173788-B-13
Client ID: 442024-TW-5
Sample Type: Client
Inject. Date: 17-Aug-2020 13:28:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-b-13
Misc. Info.: 480-0092795-014
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:53:19 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 08:53:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	140935	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.002	-0.001	91	519654	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.857	0.000	96	295491	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	173002	23.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	231261	24.3	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	620557	23.9	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	188833	22.4	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62		1.395				ND	
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.473	2.473	0.000	97	18005	4.60	
25 Carbon disulfide	76		2.545				ND	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	84	9359	1.17	
44 2-Butanone (MEK)	43		3.893				ND	
50 Chloroform	83	4.110	4.120	-0.010	88	2916	0.2061	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.556				ND	
60 Trichloroethene	95	4.970	4.981	-0.011	96	17174	2.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	
73 Toluene	92		5.934				ND	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	U
79 Tetrachloroethene	166	6.328	6.328	0.000	96	234574	27.6	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91		7.084				ND	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.499				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

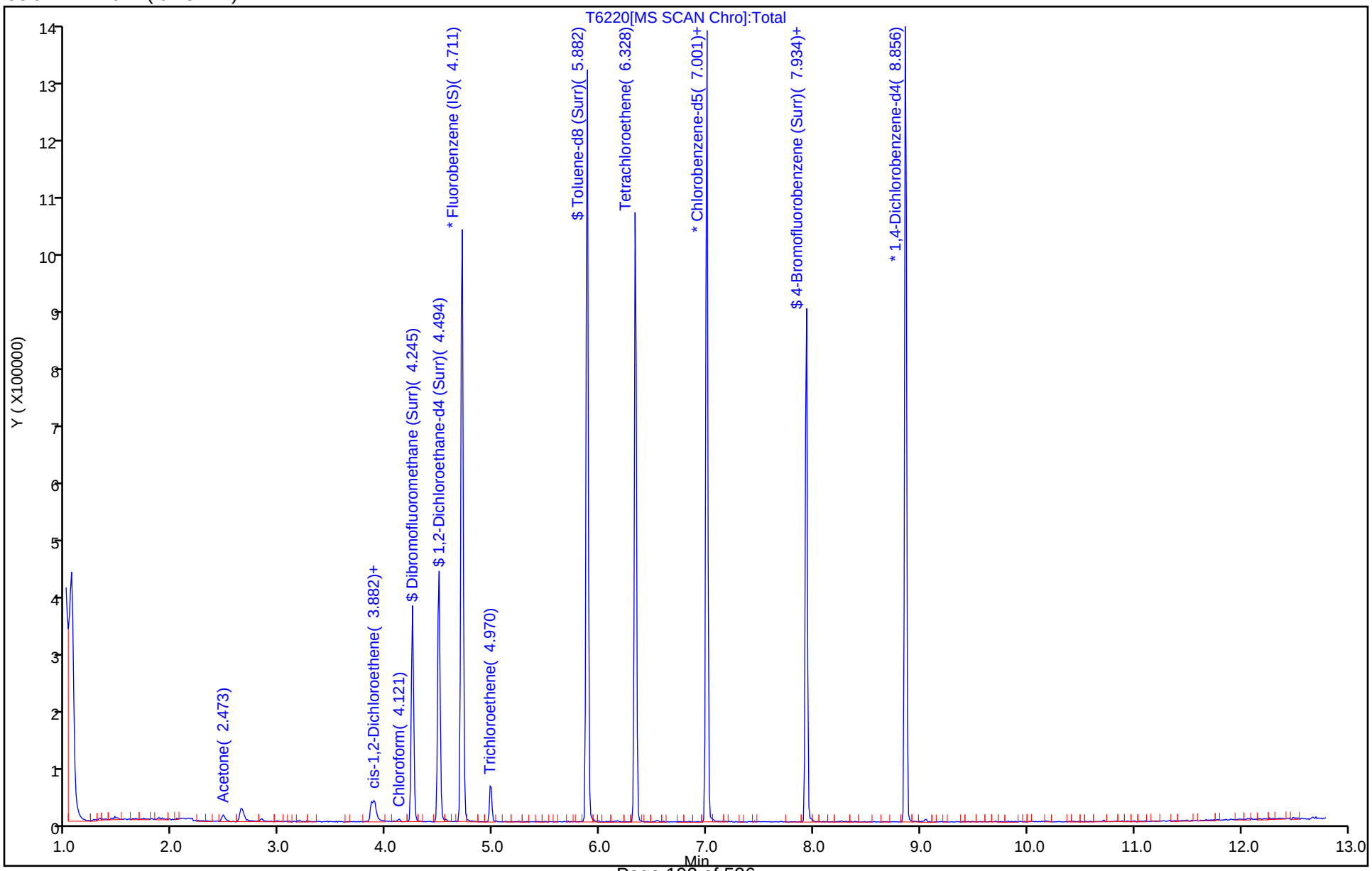
Report Date: 18-Aug-2020 08:53:20 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6220.D

Injection Date:	17-Aug-2020 13:28:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-13	Lab Sample ID:	480-173788-13	Worklist Smp#:	14
Client ID:	442024-TW-5				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



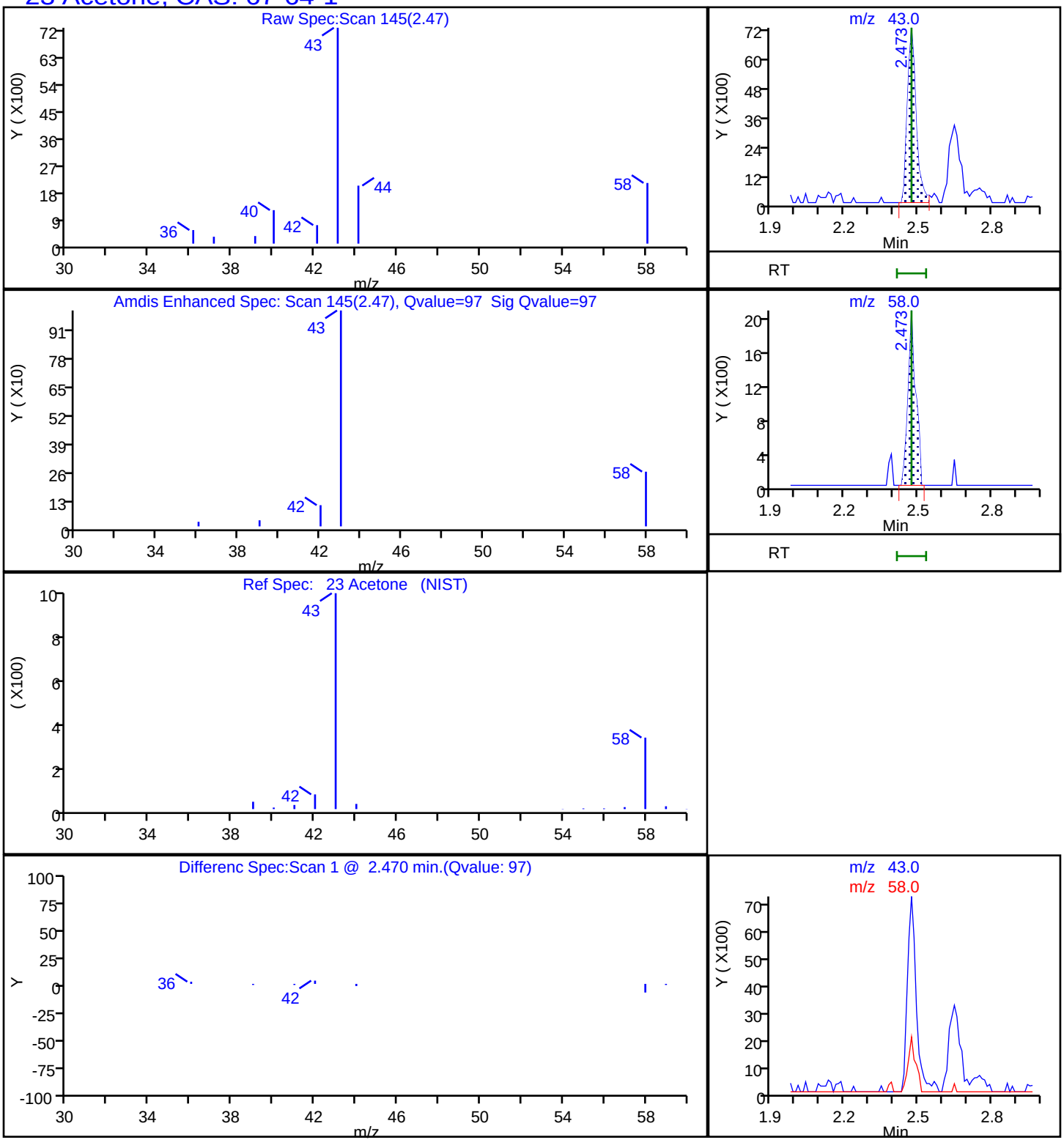
Report Date: 18-Aug-2020 08:53:20 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6220.D

Injection Date:	17-Aug-2020 13:28:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-13	Lab Sample ID:	480-173788-13		
Client ID:	442024-TW-5				
Operator ID:	RF	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

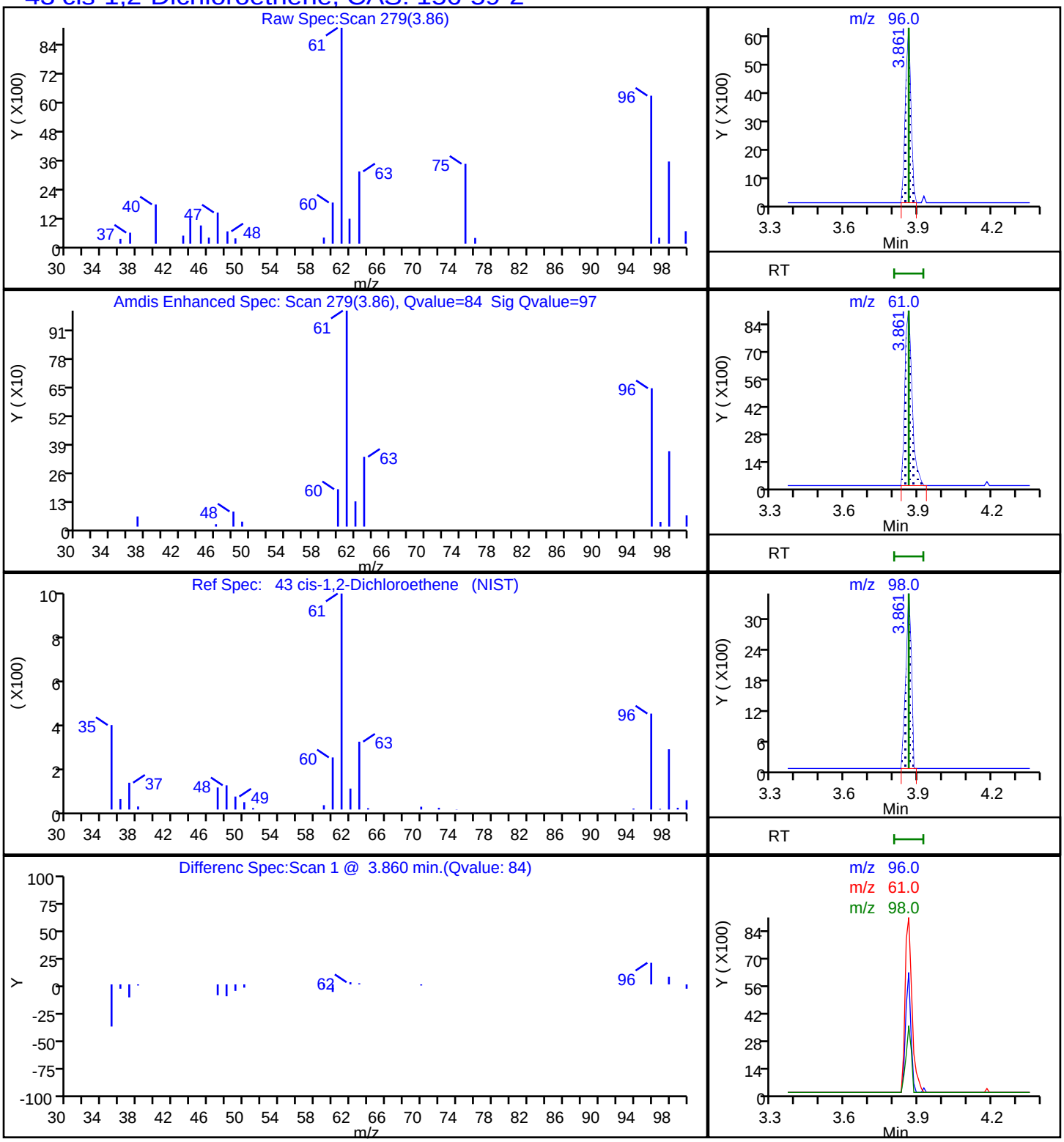


Report Date: 18-Aug-2020 08:53:20 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6220.D				
Injection Date:	17-Aug-2020 13:28:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-13	Lab Sample ID:	480-173788-13		
Client ID:	442024-TW-5				
Operator ID:	RF	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2



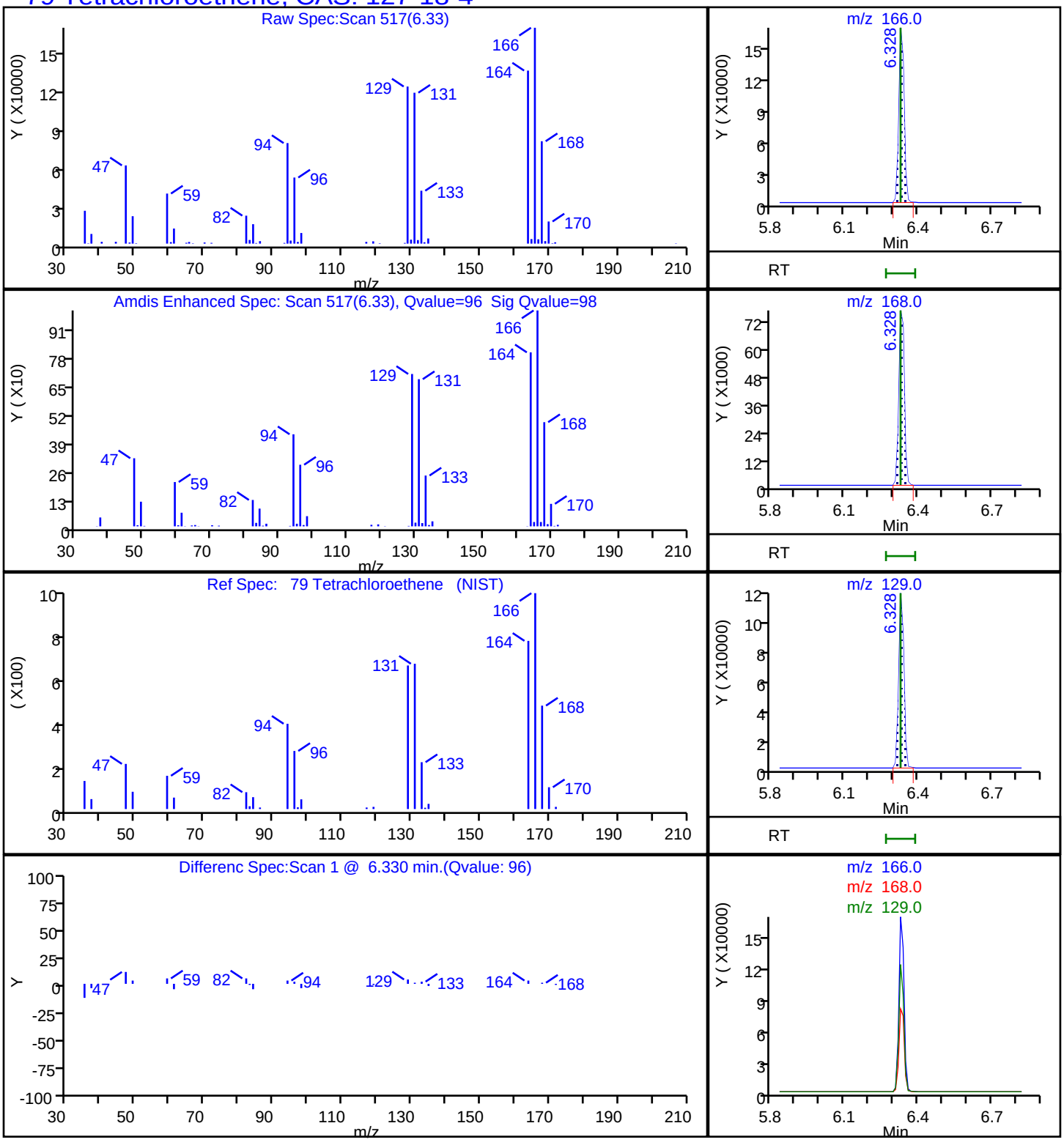
Report Date: 18-Aug-2020 08:53:20 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6220.D

Injection Date:	17-Aug-2020 13:28:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-13	Lab Sample ID:	480-173788-13
Client ID:	442024-TW-5		
Operator ID:	RF	ALS Bottle#:	13 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

79 Tetrachloroethene, CAS: 127-18-4



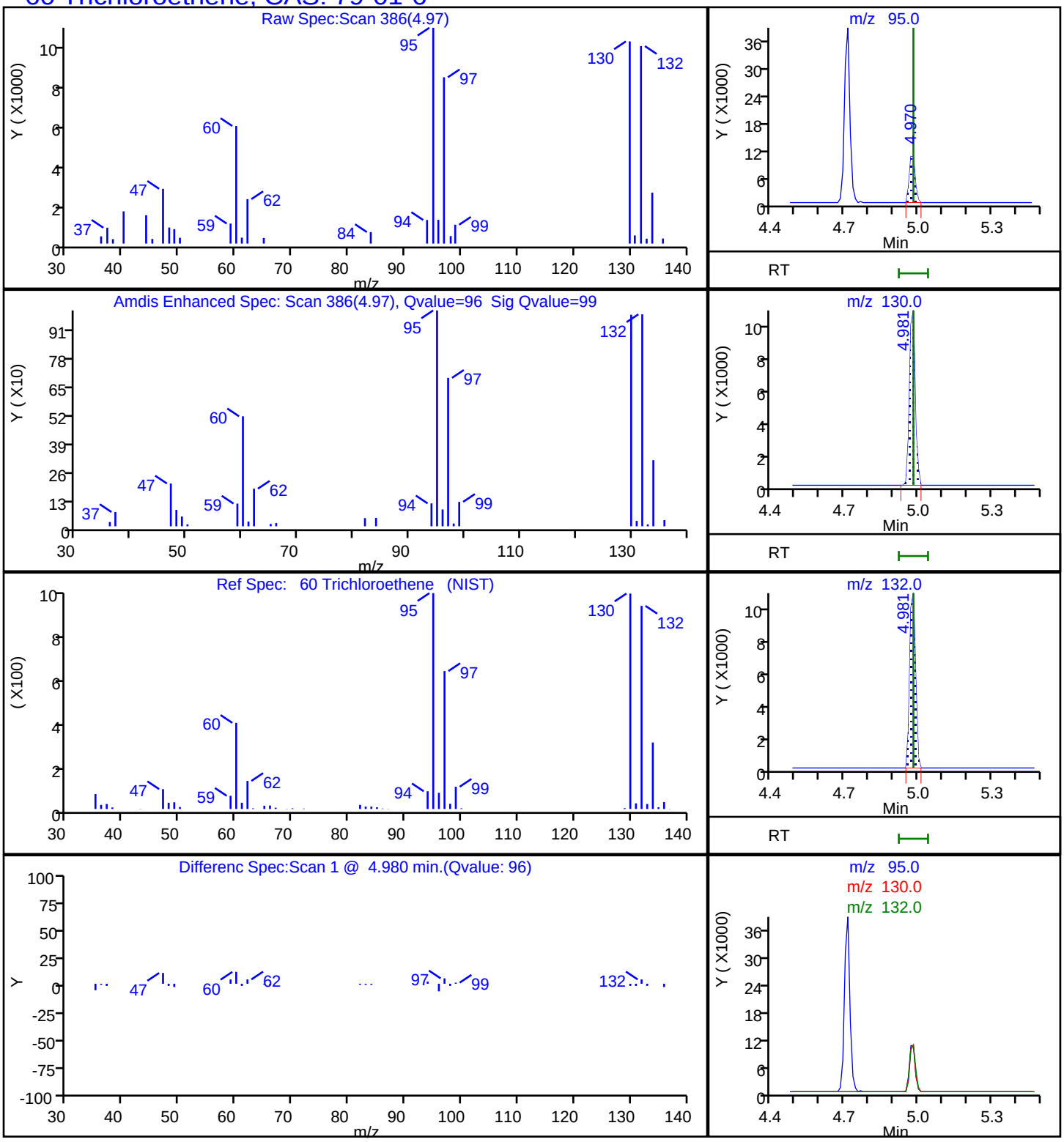
Report Date: 18-Aug-2020 08:53:20 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6220.D

Injection Date:	17-Aug-2020 13:28:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-13	Lab Sample ID:	480-173788-13
Client ID:	442024-TW-5		
Operator ID:	RF	ALS Bottle#:	13 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

60 Trichloroethene, CAS: 79-01-6



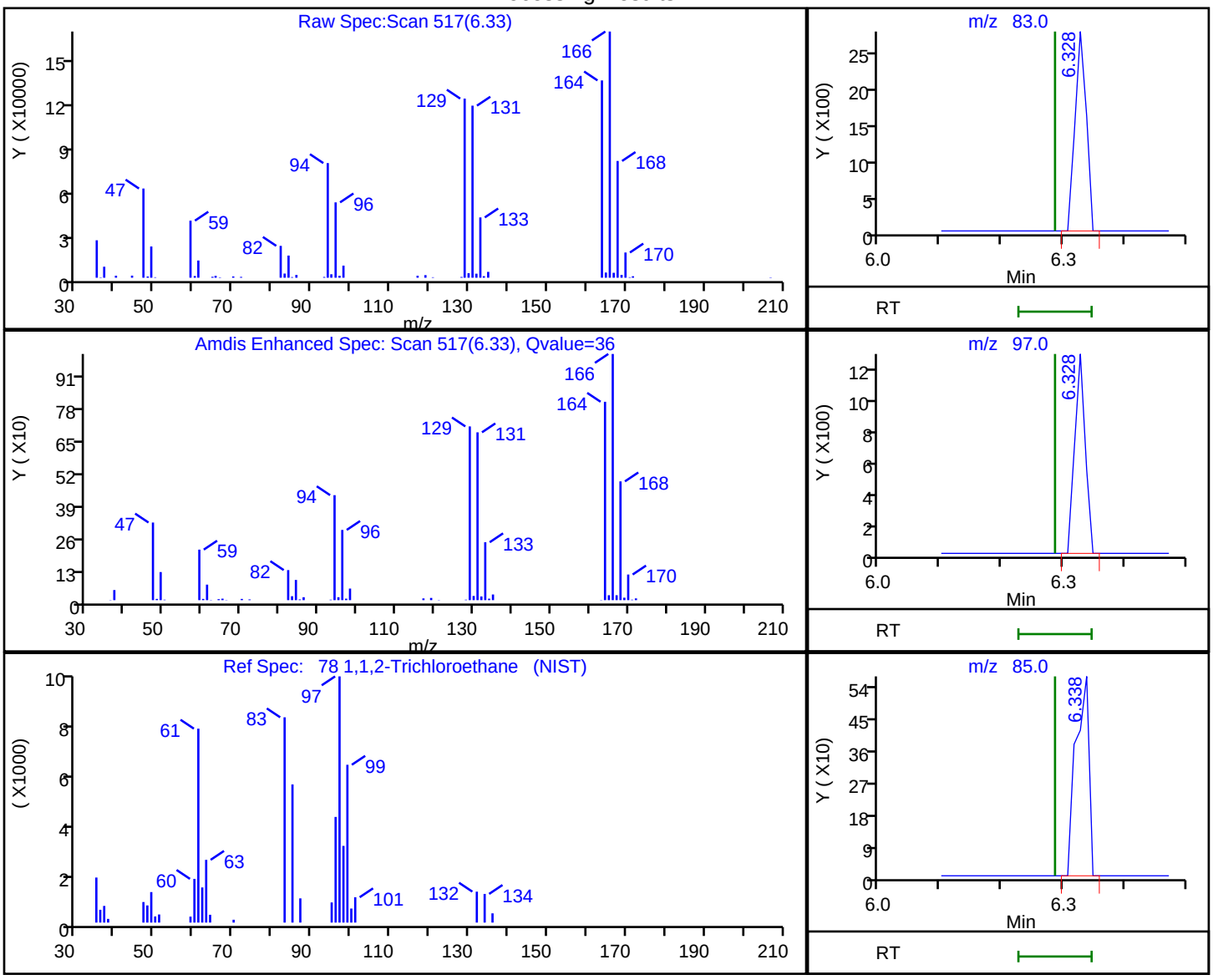
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6220.D				
Injection Date:	17-Aug-2020 13:28:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-13	Lab Sample ID:	480-173788-13		
Client ID:	442024-TW-5				
Operator ID:	RF	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.33	83.00	3451	0.577650
6.33	97.00	1503	
6.34	85.00	842	

Reviewer: farrellr, 18-Aug-2020 08:53:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6221.D
Lims ID: 480-173788-B-14
Client ID: 442024-MW-107A
Sample Type: Client
Inject. Date: 17-Aug-2020 13:52:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-b-14
Misc. Info.: 480-0092795-015
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:54:10 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 08:54:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	97	137225	25.0	
* 2 Chlorobenzene-d5	117	7.002	7.002	0.000	91	512440	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.857	8.857	0.001	97	283343	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	92	167346	23.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	228505	24.7	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	590465	23.1	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	185908	22.4	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62		1.395				ND	
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.483	2.473	0.010	74	5932	1.56	
25 Carbon disulfide	76		2.545				ND	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96	3.862	3.861	0.001	84	10456	1.35	
44 2-Butanone (MEK)	43		3.893				ND	
50 Chloroform	83		4.120				ND	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.556				ND	U
60 Trichloroethene	95	4.981	4.981	0.000	94	10215	1.39	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	
73 Toluene	92		5.934				ND	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	
79 Tetrachloroethene	166	6.338	6.328	0.010	95	107529	12.8	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91		7.084				ND	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.499				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

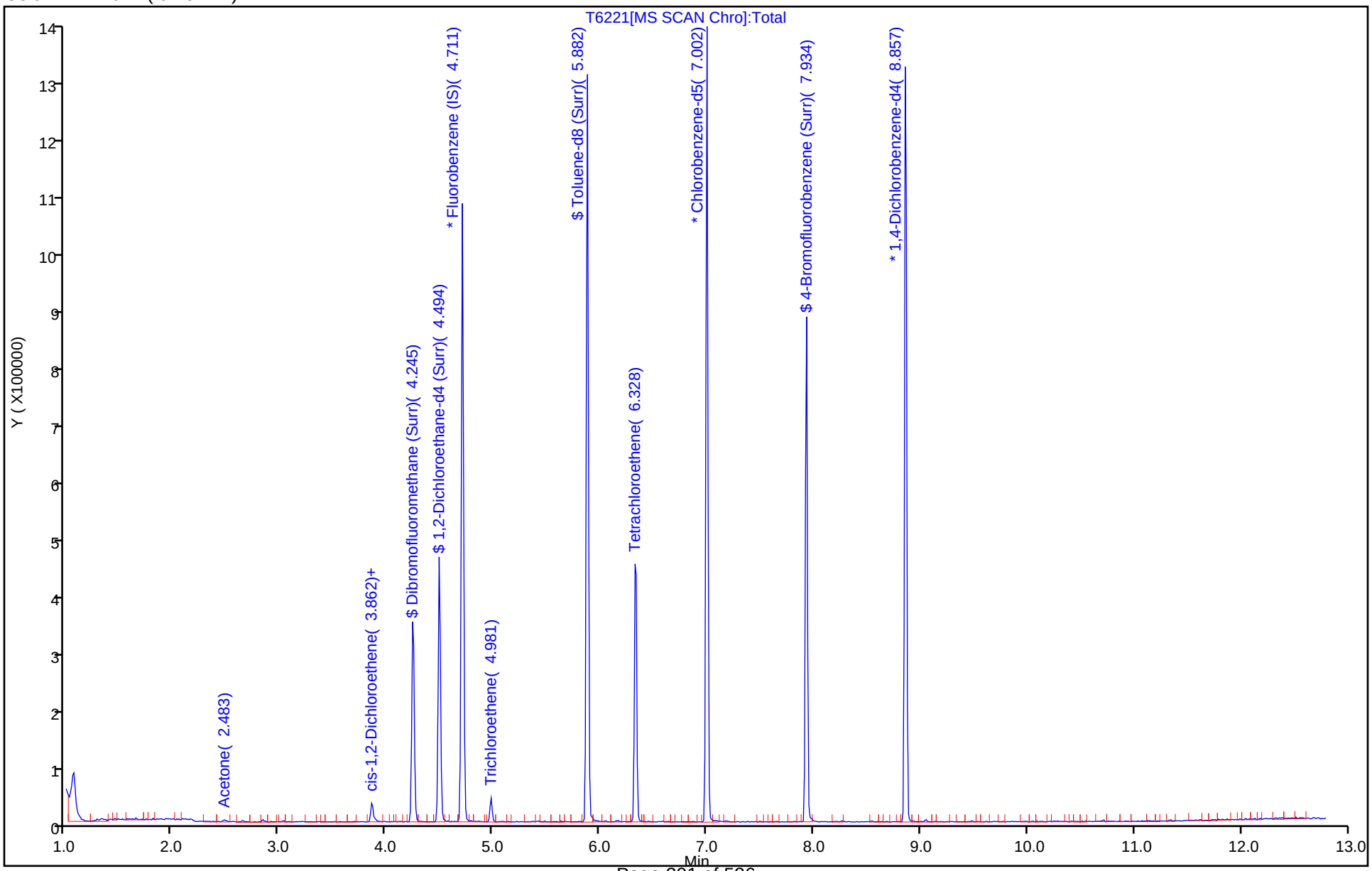
Report Date: 18-Aug-2020 08:54:10 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6221.D

Injection Date:	17-Aug-2020 13:52:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-14	Lab Sample ID:	480-173788-14	Worklist Smp#:	15
Client ID:	442024-MW-107A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



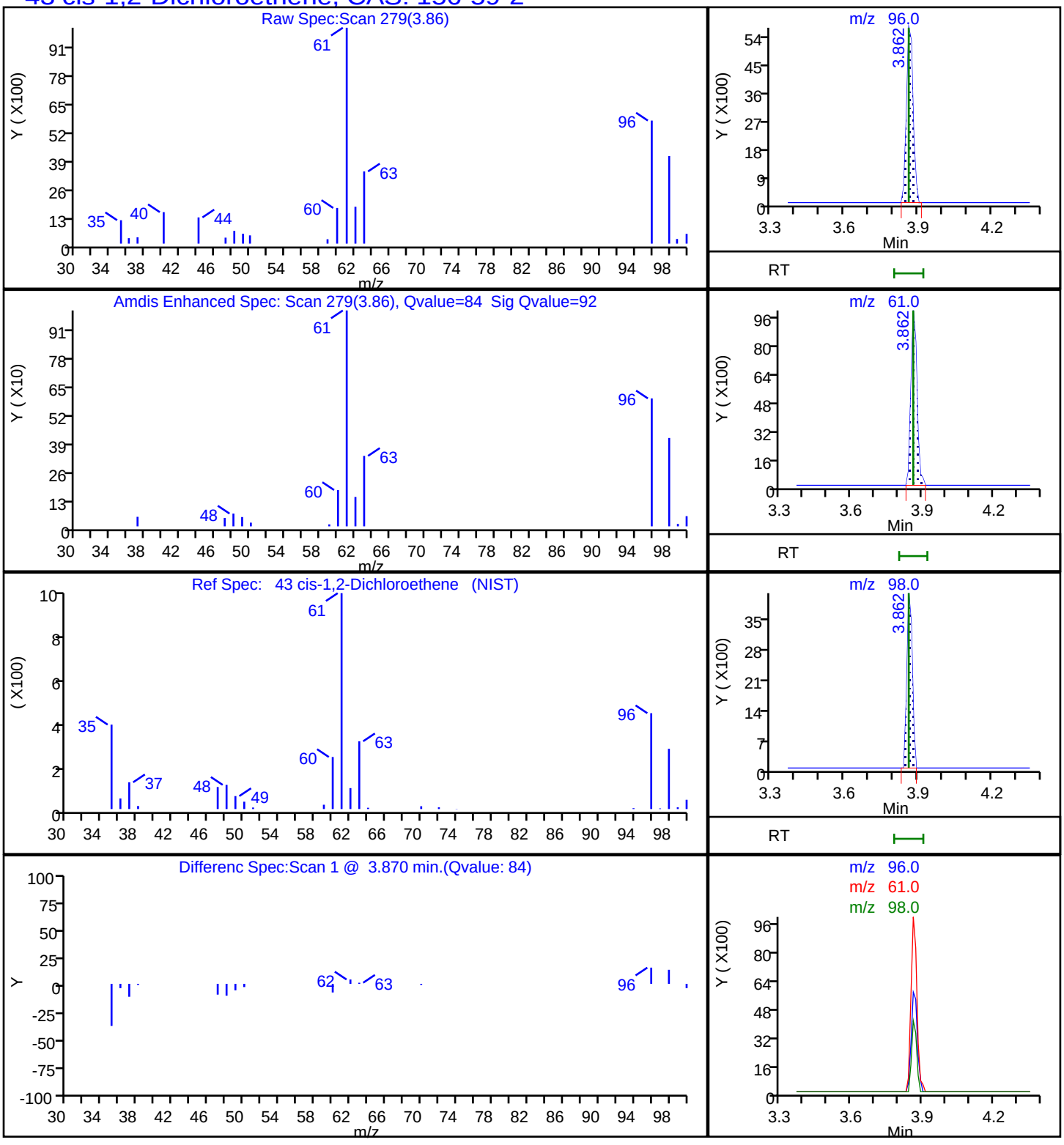
Report Date: 18-Aug-2020 08:54:10 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6221.D

Injection Date:	17-Aug-2020 13:52:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-14	Lab Sample ID:	480-173788-14		
Client ID:	442024-MW-107A				
Operator ID:	RF	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2



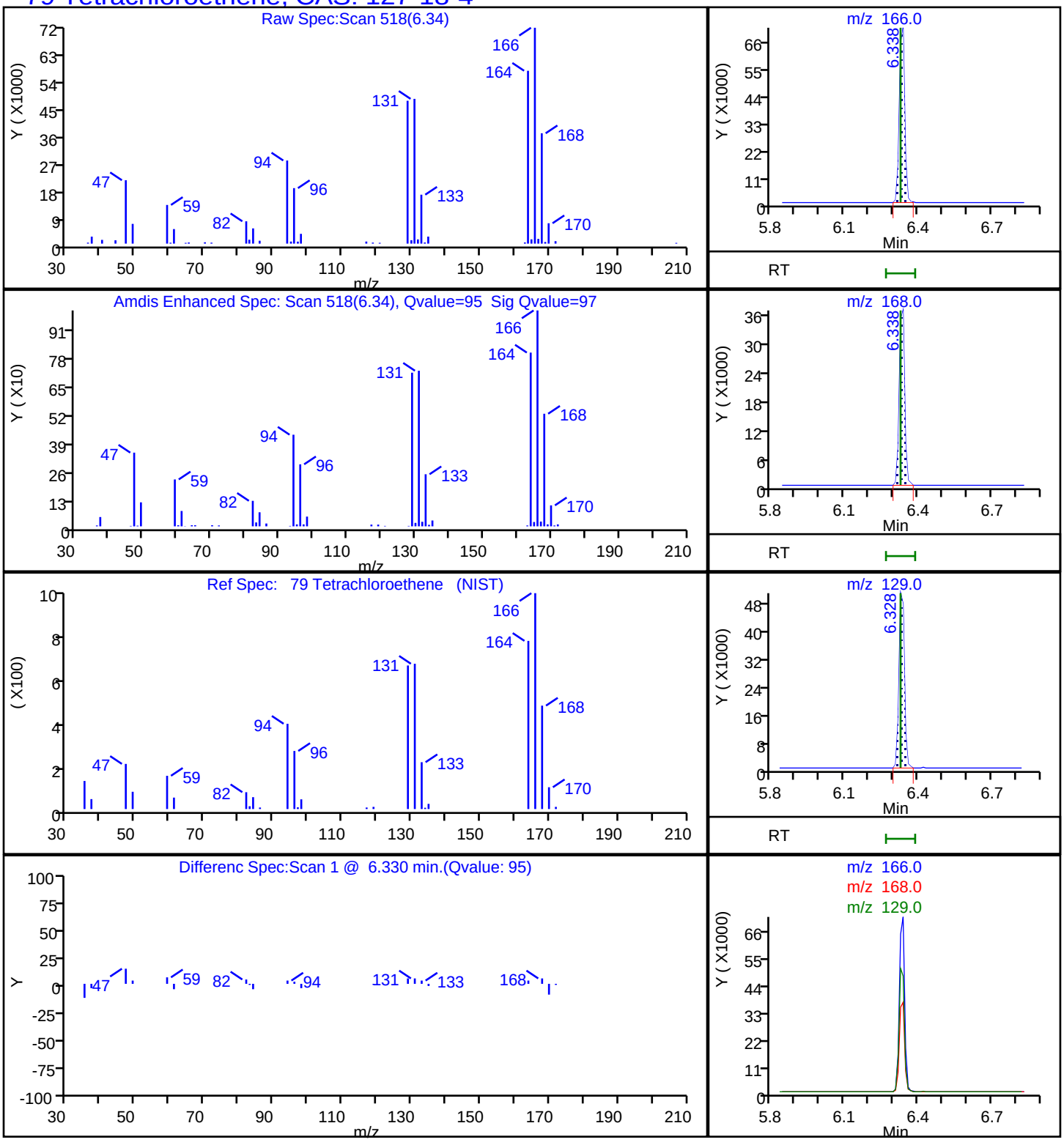
Report Date: 18-Aug-2020 08:54:10 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6221.D

Injection Date:	17-Aug-2020 13:52:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-14	Lab Sample ID:	480-173788-14
Client ID:	442024-MW-107A		
Operator ID:	RF	ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

79 Tetrachloroethene, CAS: 127-18-4



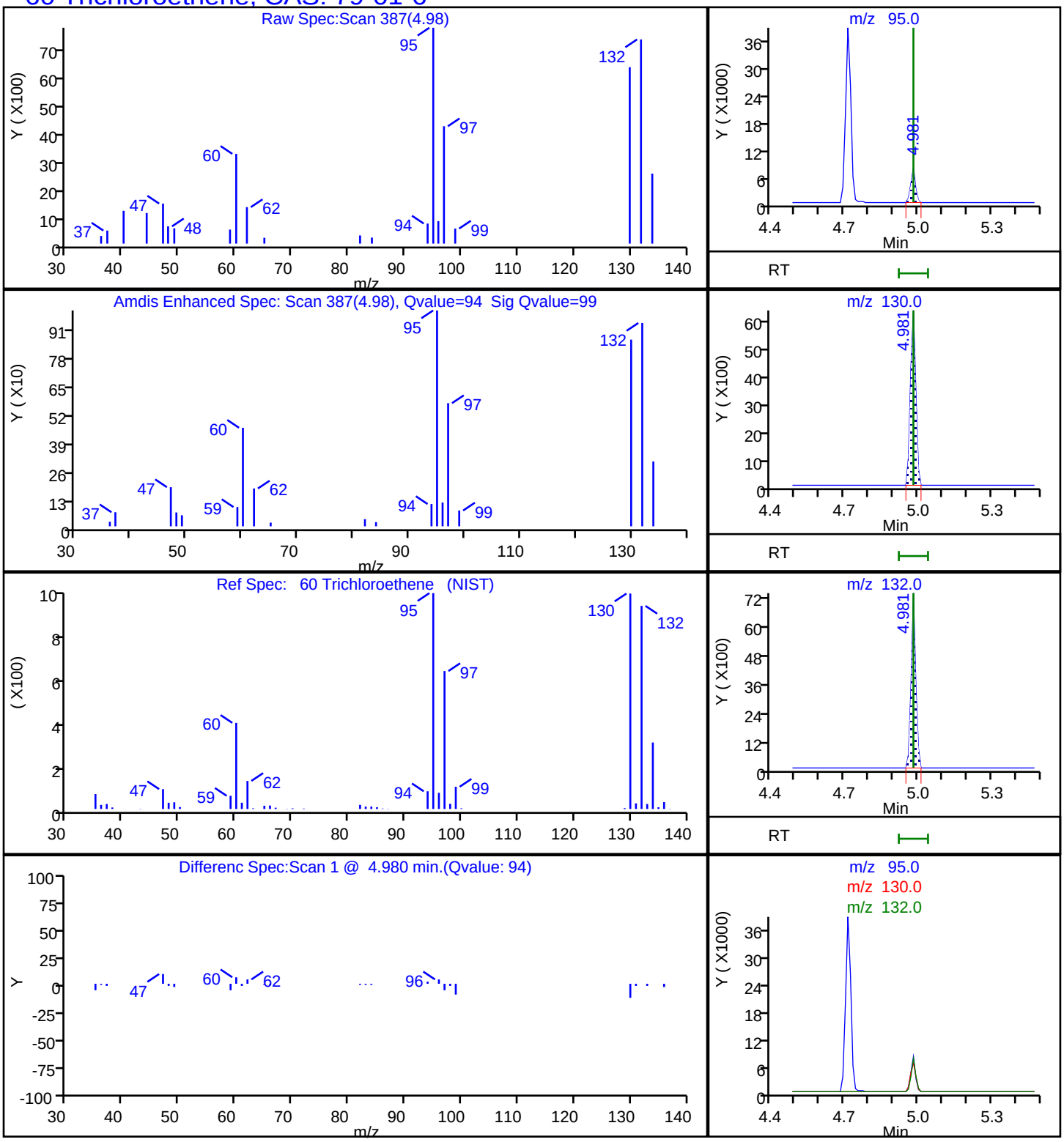
Report Date: 18-Aug-2020 08:54:10 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6221.D

Injection Date:	17-Aug-2020 13:52:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-14	Lab Sample ID:	480-173788-14
Client ID:	442024-MW-107A		
Operator ID:	RF	ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

60 Trichloroethene, CAS: 79-01-6



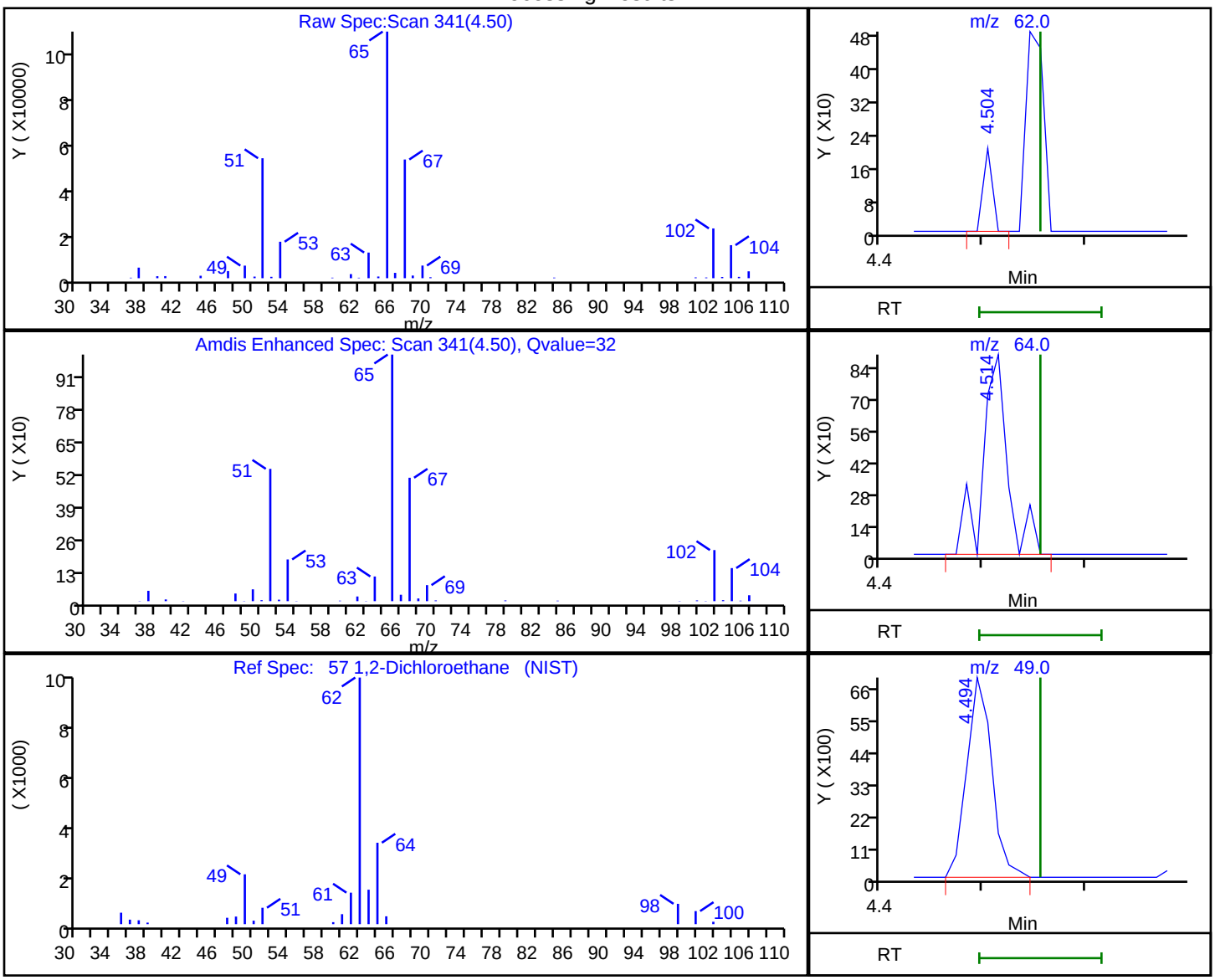
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6221.D				
Injection Date:	17-Aug-2020 13:52:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-14	Lab Sample ID:	480-173788-14		
Client ID:	442024-MW-107A				
Operator ID:	RF	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

57 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
4.50	62.00	124	0.009206
4.51	64.00	1518	
4.49	49.00	11821	

Reviewer: farrellr, 18-Aug-2020 08:53:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6222.D
Lims ID: 480-173788-B-15
Client ID: 442024-INJ-1
Sample Type: Client
Inject. Date: 17-Aug-2020 14:16:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-b-15
Misc. Info.: 480-0092795-016
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:54:10 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 08:54:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	134372	25.0	
* 2 Chlorobenzene-d5	117	7.002	7.002	0.000	91	507151	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.857	8.857	0.001	96	281820	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	170800	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	233534	25.8	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	96	603426	23.8	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	189932	23.1	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62	1.395	1.395	0.000	98	110376	10.2	
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.473	2.473	0.000	97	17828	4.78	
25 Carbon disulfide	76	2.535	2.545	-0.010	97	12810	0.6232	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96	3.033	3.032	0.001	90	3781	0.5458	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96	3.862	3.861	0.001	85	335807	44.1	
44 2-Butanone (MEK)	43	3.893	3.893	0.001	97	29893	5.42	
50 Chloroform	83		4.120				ND	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.556				ND	
60 Trichloroethene	95	4.970	4.981	-0.011	94	226217	31.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	
73 Toluene	92	5.934	5.934	0.000	98	13324	0.7533	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	
79 Tetrachloroethene	166	6.328	6.328	0.000	96	119383	14.4	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91		7.084				ND	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.499				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

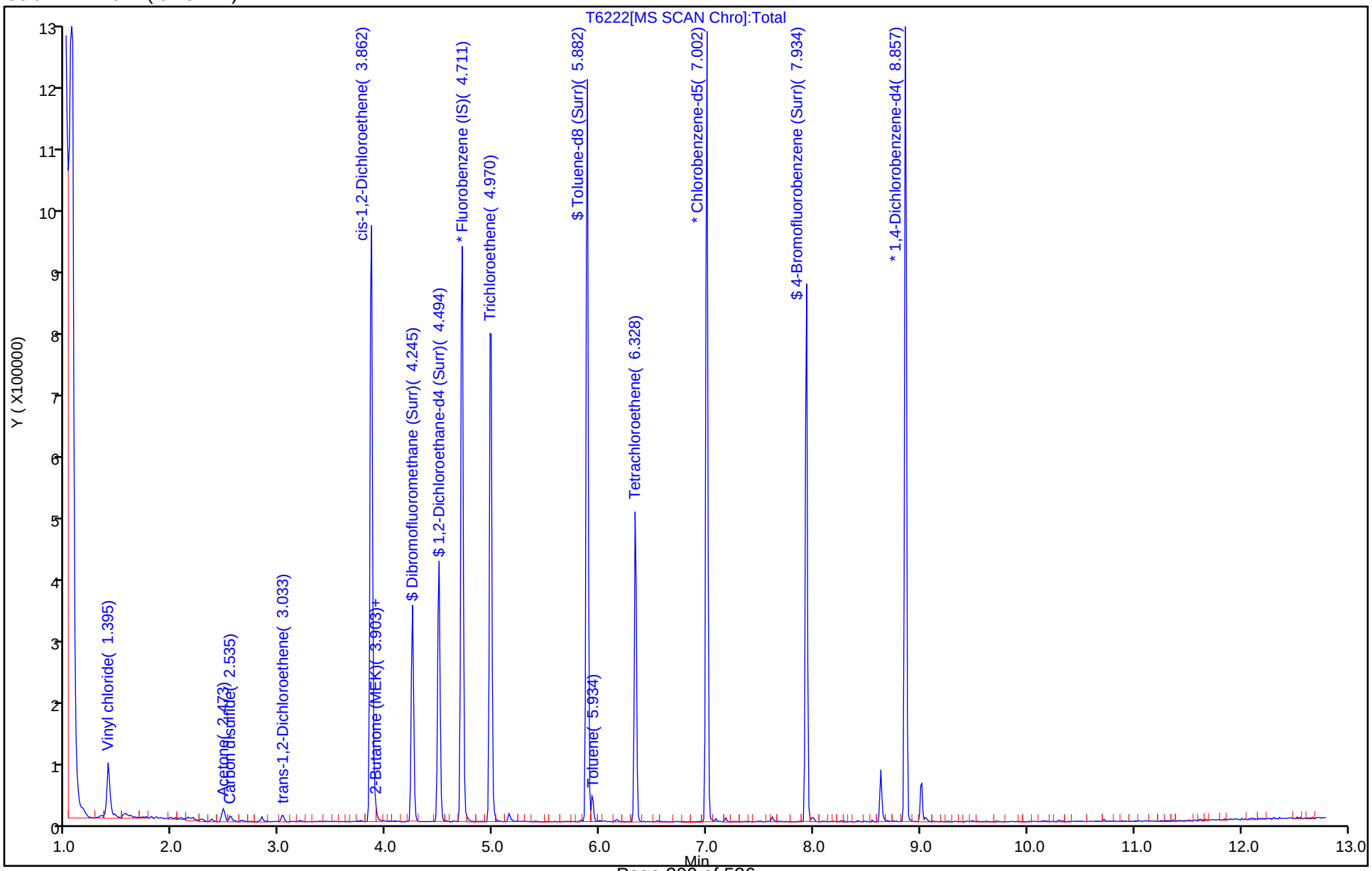
Report Date: 18-Aug-2020 08:54:55 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6222.D

Injection Date:	17-Aug-2020 14:16:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-15	Lab Sample ID:	480-173788-15	Worklist Smp#:	16
Client ID:	442024-INJ-1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



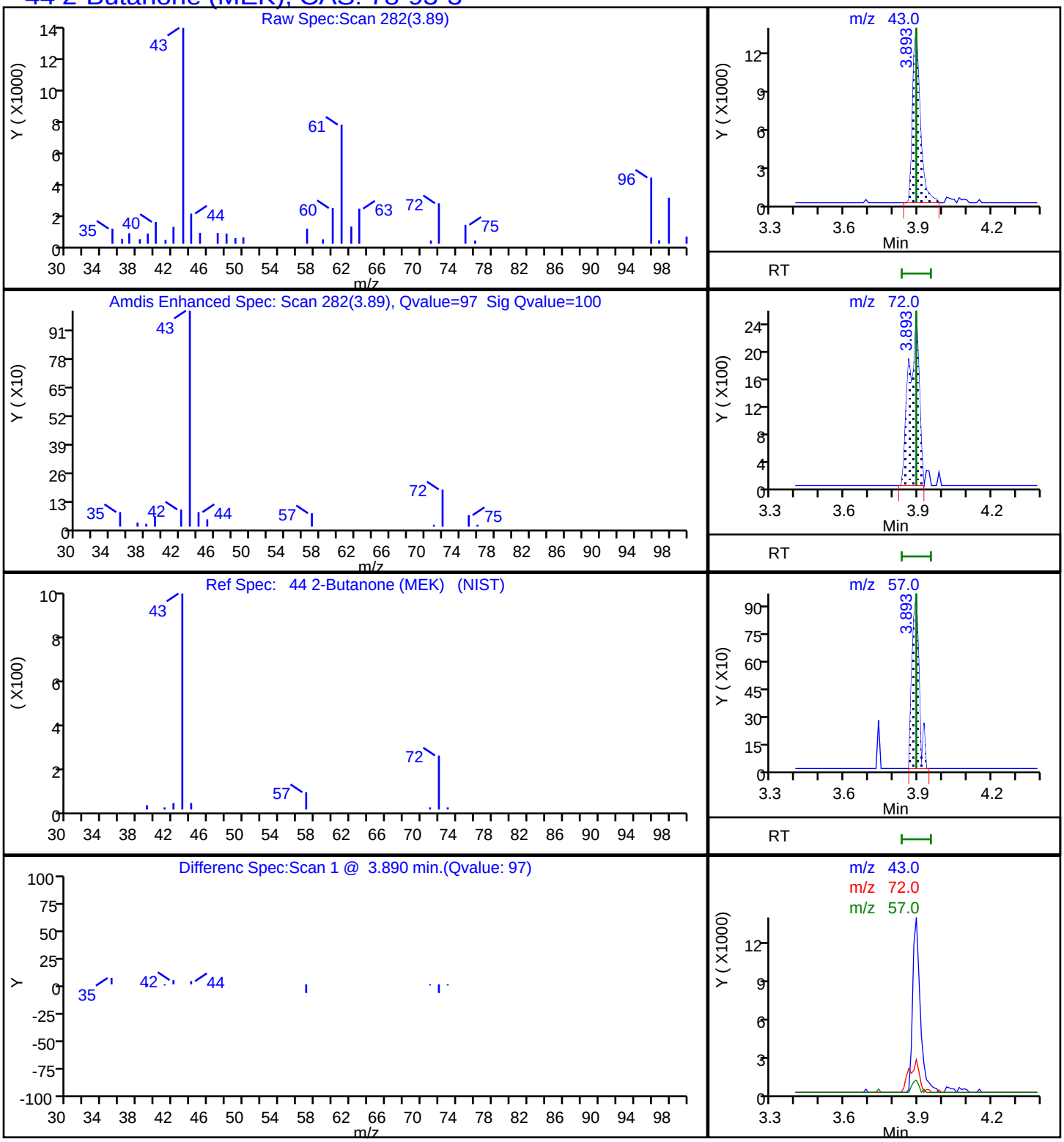
Report Date: 18-Aug-2020 08:54:55 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6222.D

Injection Date:	17-Aug-2020 14:16:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-15	Lab Sample ID:	480-173788-15
Client ID:	442024-INJ-1		
Operator ID:	RF	ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3



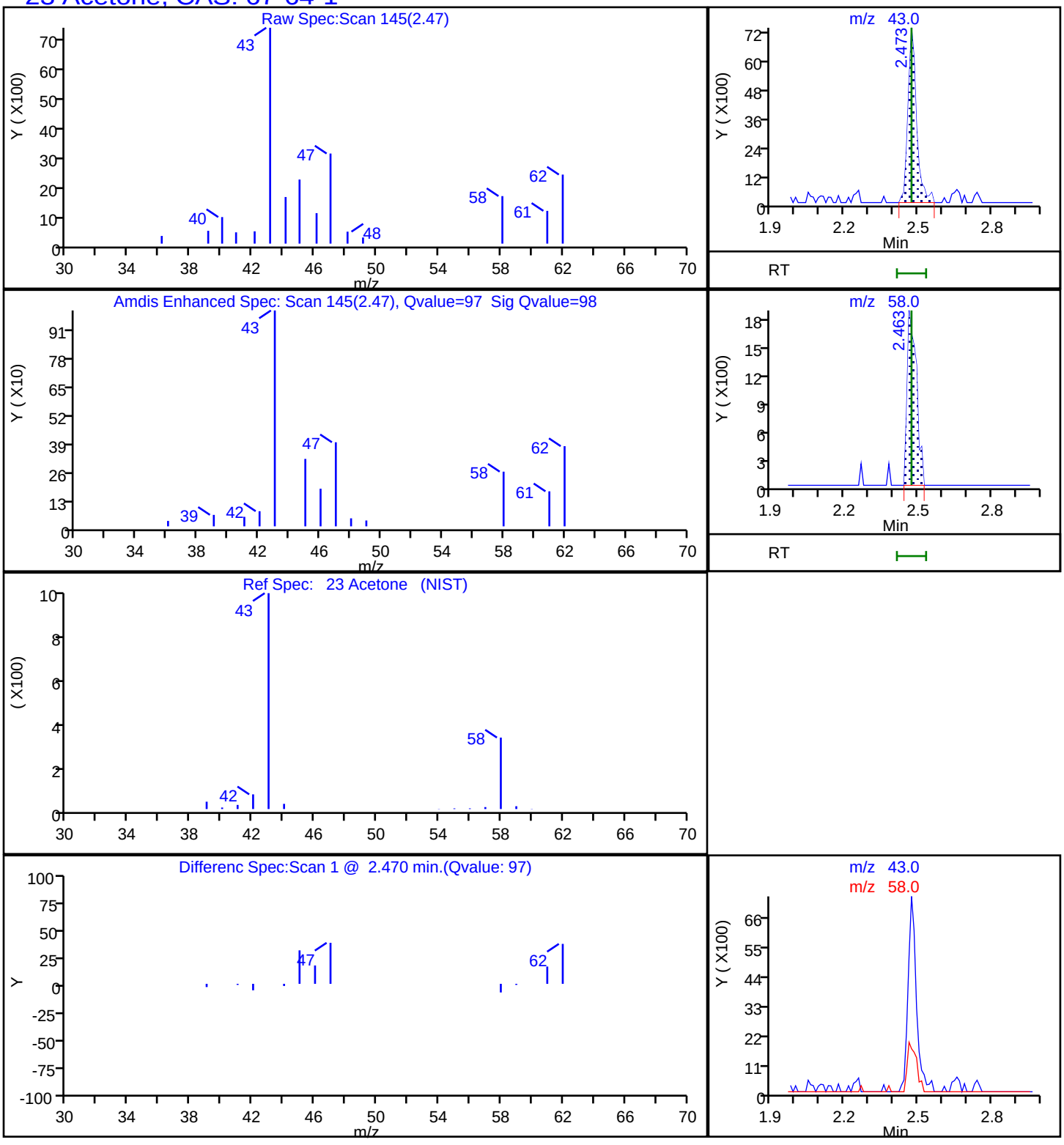
Report Date: 18-Aug-2020 08:54:55 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6222.D

Injection Date:	17-Aug-2020 14:16:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-15	Lab Sample ID:	480-173788-15
Client ID:	442024-INJ-1		
Operator ID:	RF	ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

23 Acetone, CAS: 67-64-1



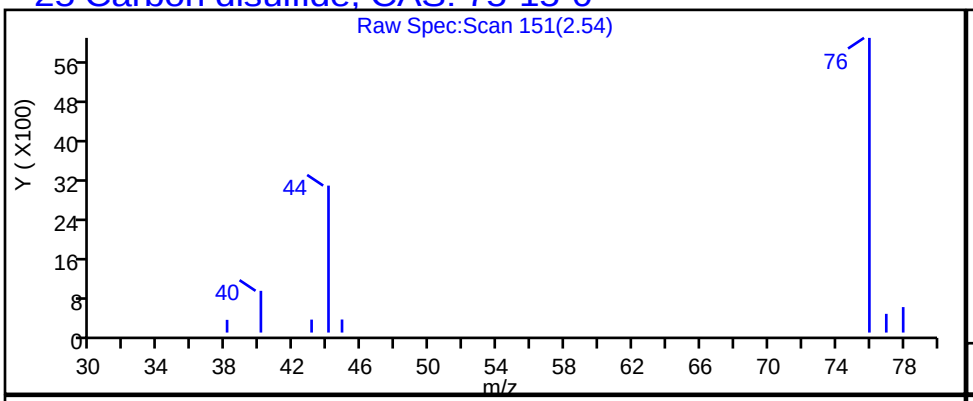
Report Date: 18-Aug-2020 08:54:55 Chrom Revision: 2.3 17-Aug-2020 20:42:08

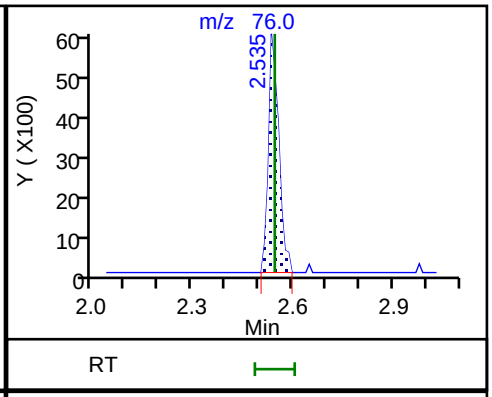
Eurofins TestAmerica, Buffalo

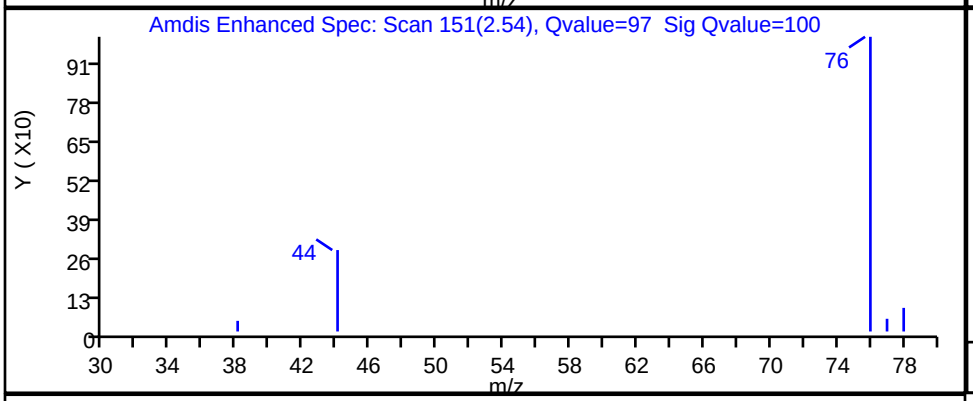
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6222.D

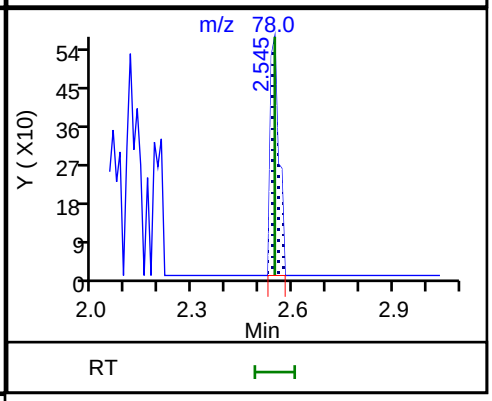
Injection Date:	17-Aug-2020 14:16:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-15	Lab Sample ID:	480-173788-15		
Client ID:	442024-INJ-1				
Operator ID:	RF	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

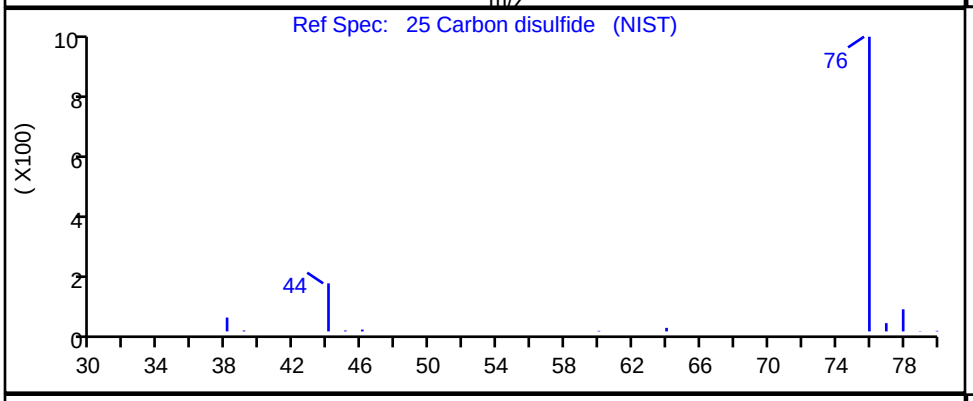
25 Carbon disulfide, CAS: 75-15-0

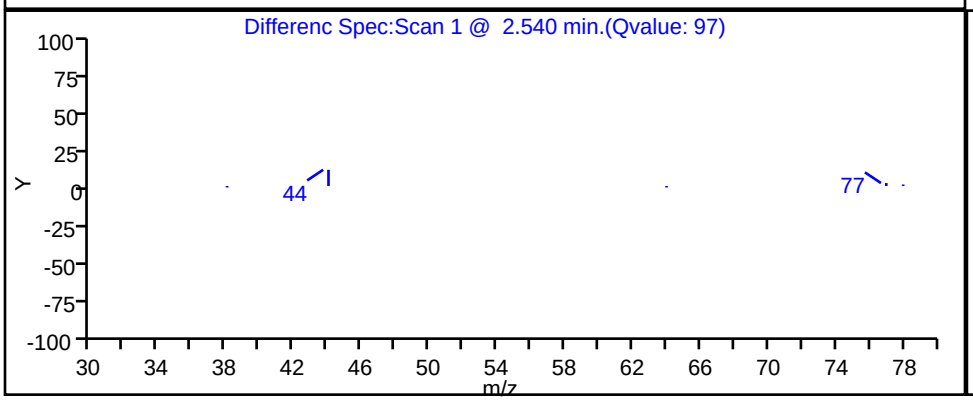


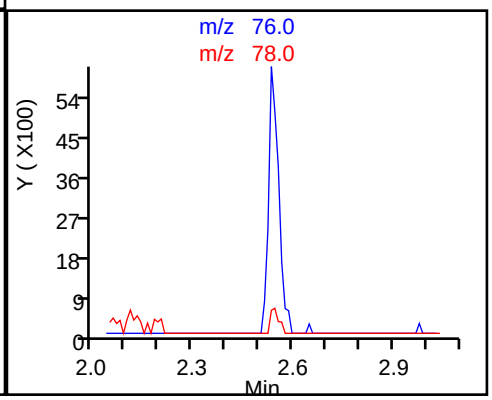










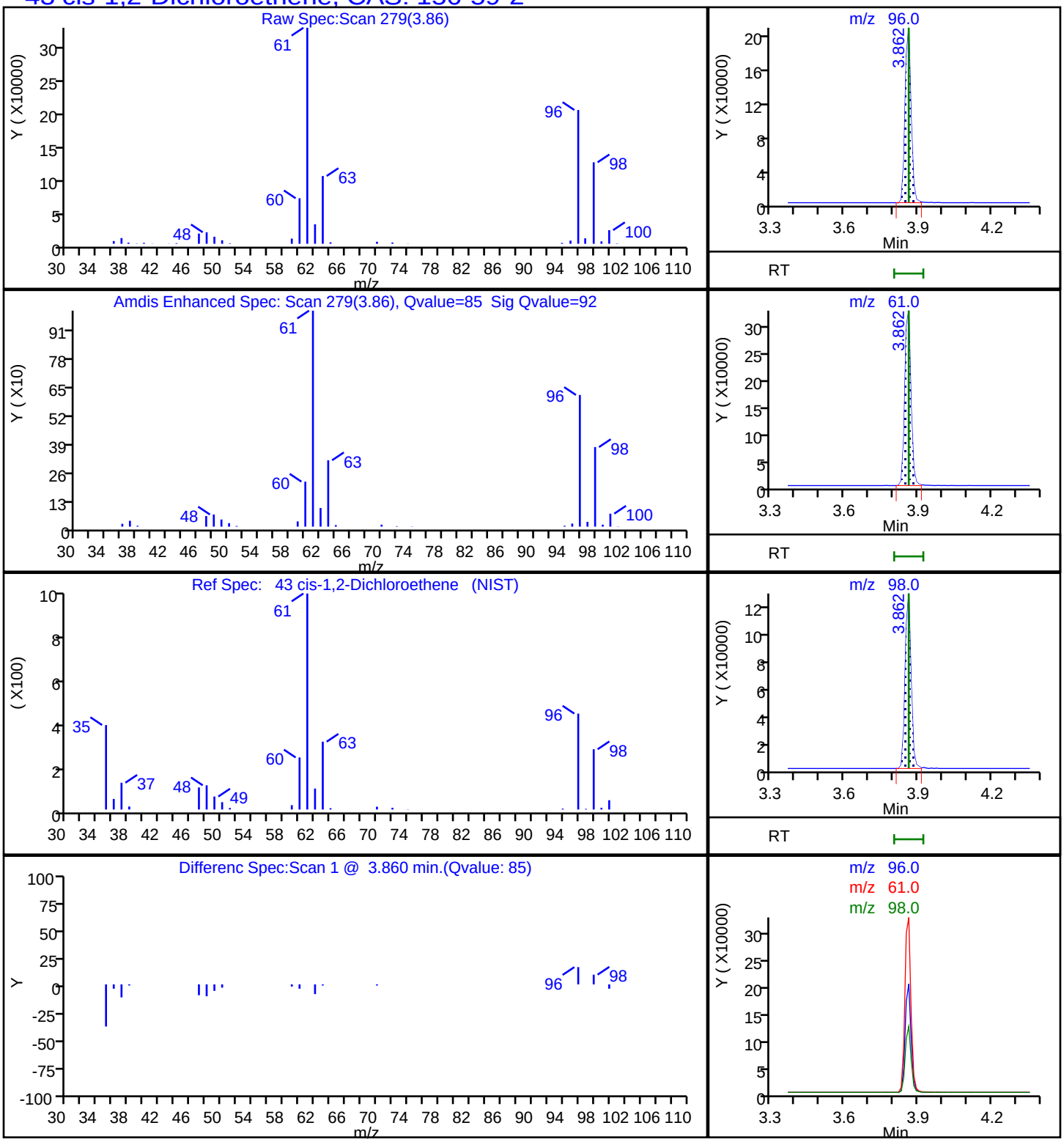


Report Date: 18-Aug-2020 08:54:55 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6222.D				
Injection Date:	17-Aug-2020 14:16:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-15	Lab Sample ID:	480-173788-15		
Client ID:	442024-INJ-1				
Operator ID:	RF	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2

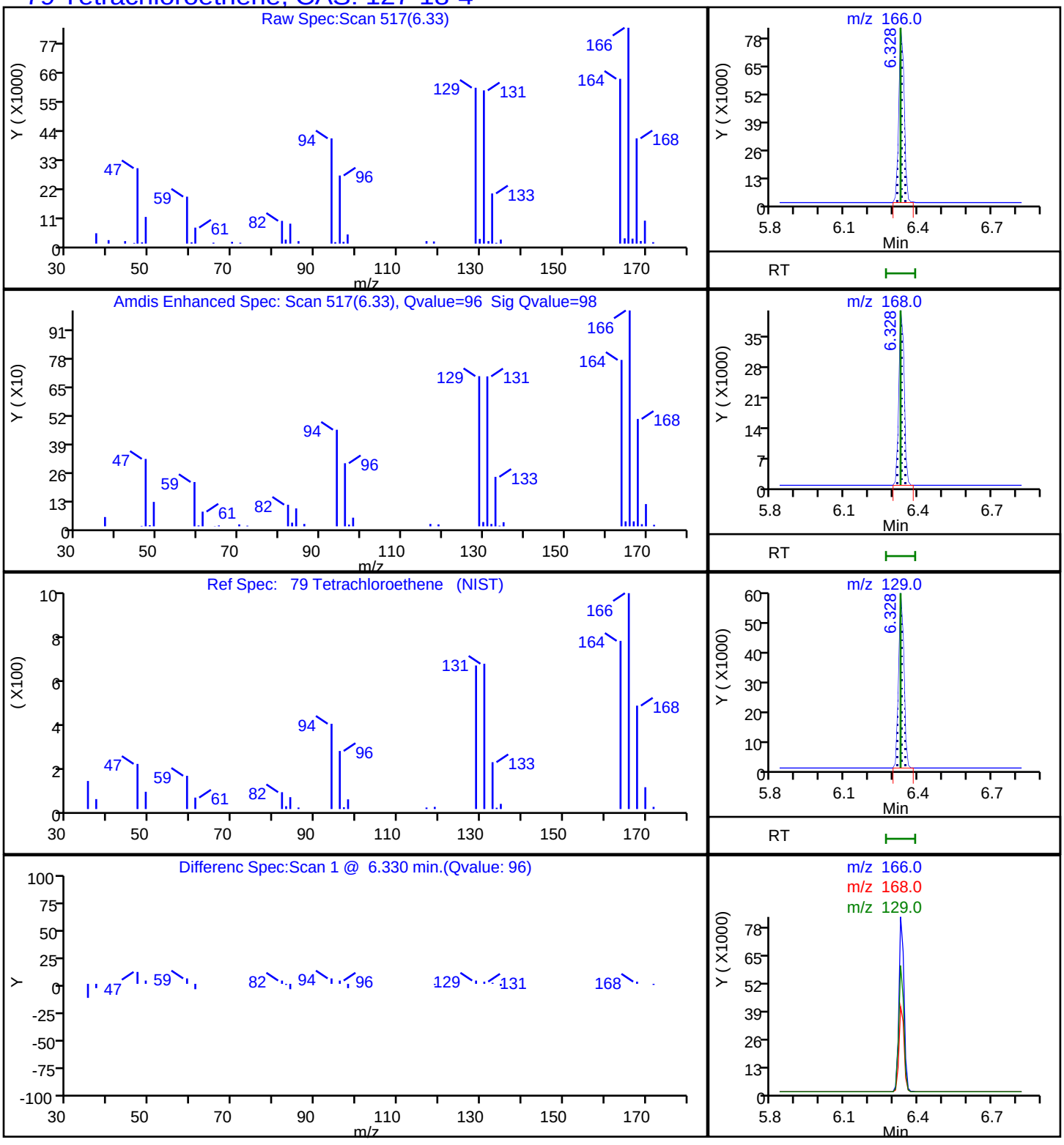


Report Date: 18-Aug-2020 08:54:55 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6222.D				
Injection Date:	17-Aug-2020 14:16:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-15	Lab Sample ID:	480-173788-15		
Client ID:	442024-INJ-1				
Operator ID:	RF	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 Tetrachloroethene, CAS: 127-18-4

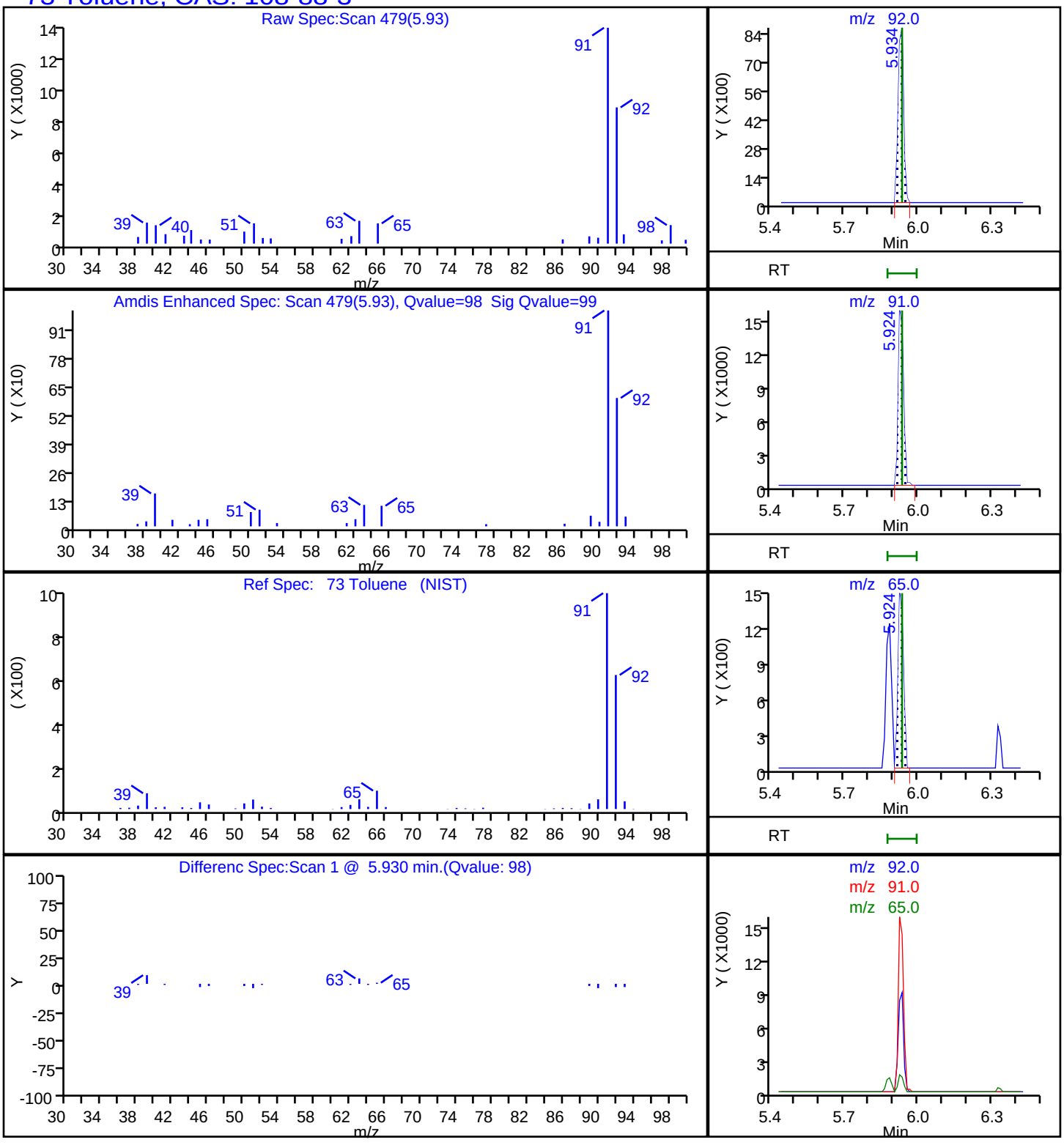


Report Date: 18-Aug-2020 08:54:55 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6222.D				
Injection Date:	17-Aug-2020 14:16:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-15	Lab Sample ID:	480-173788-15		
Client ID:	442024-INJ-1				
Operator ID:	RF	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 Toluene, CAS: 108-88-3



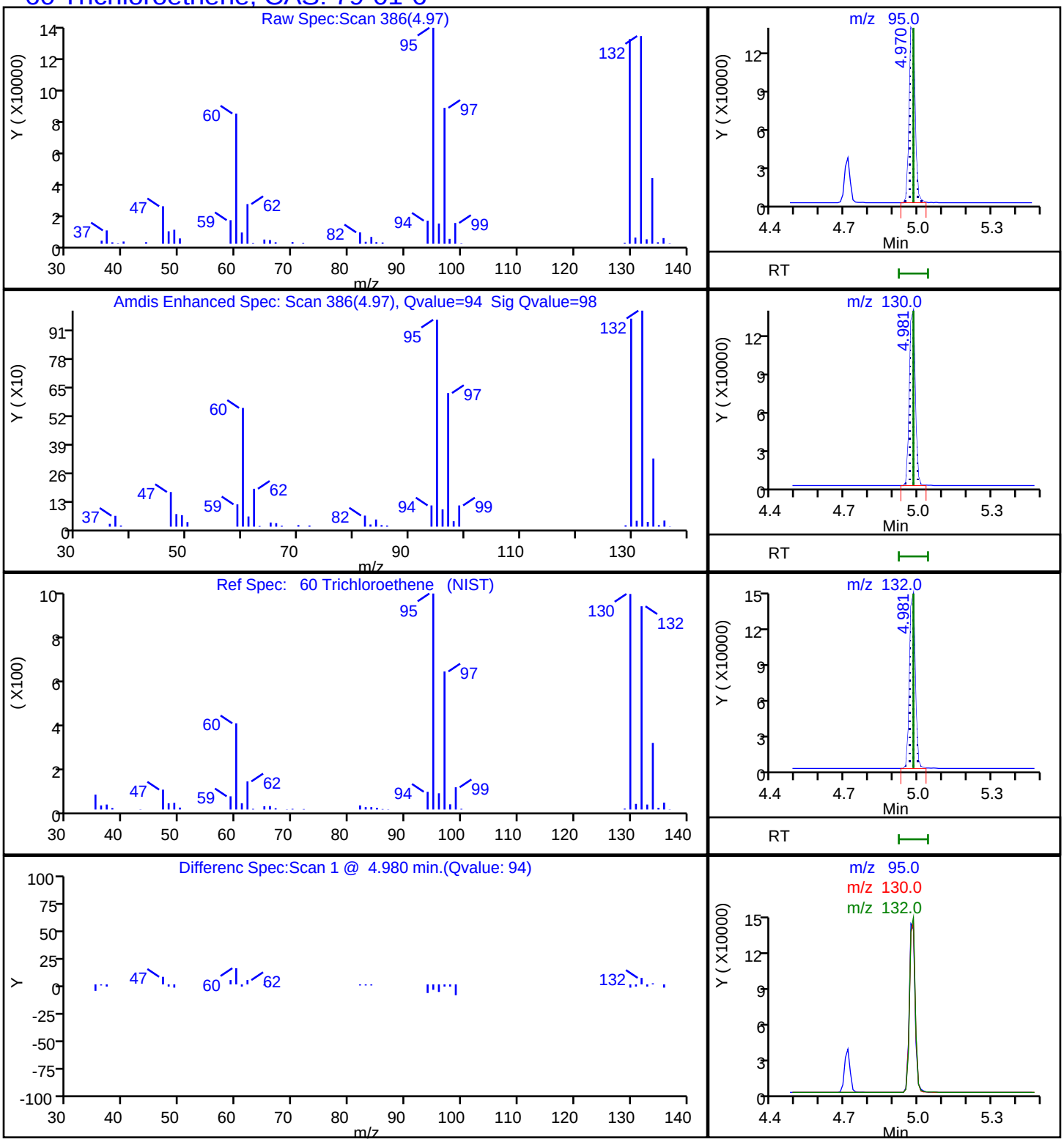
Report Date: 18-Aug-2020 08:54:55 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6222.D

Injection Date:	17-Aug-2020 14:16:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-15	Lab Sample ID:	480-173788-15
Client ID:	442024-INJ-1		
Operator ID:	RF	ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

60 Trichloroethene, CAS: 79-01-6



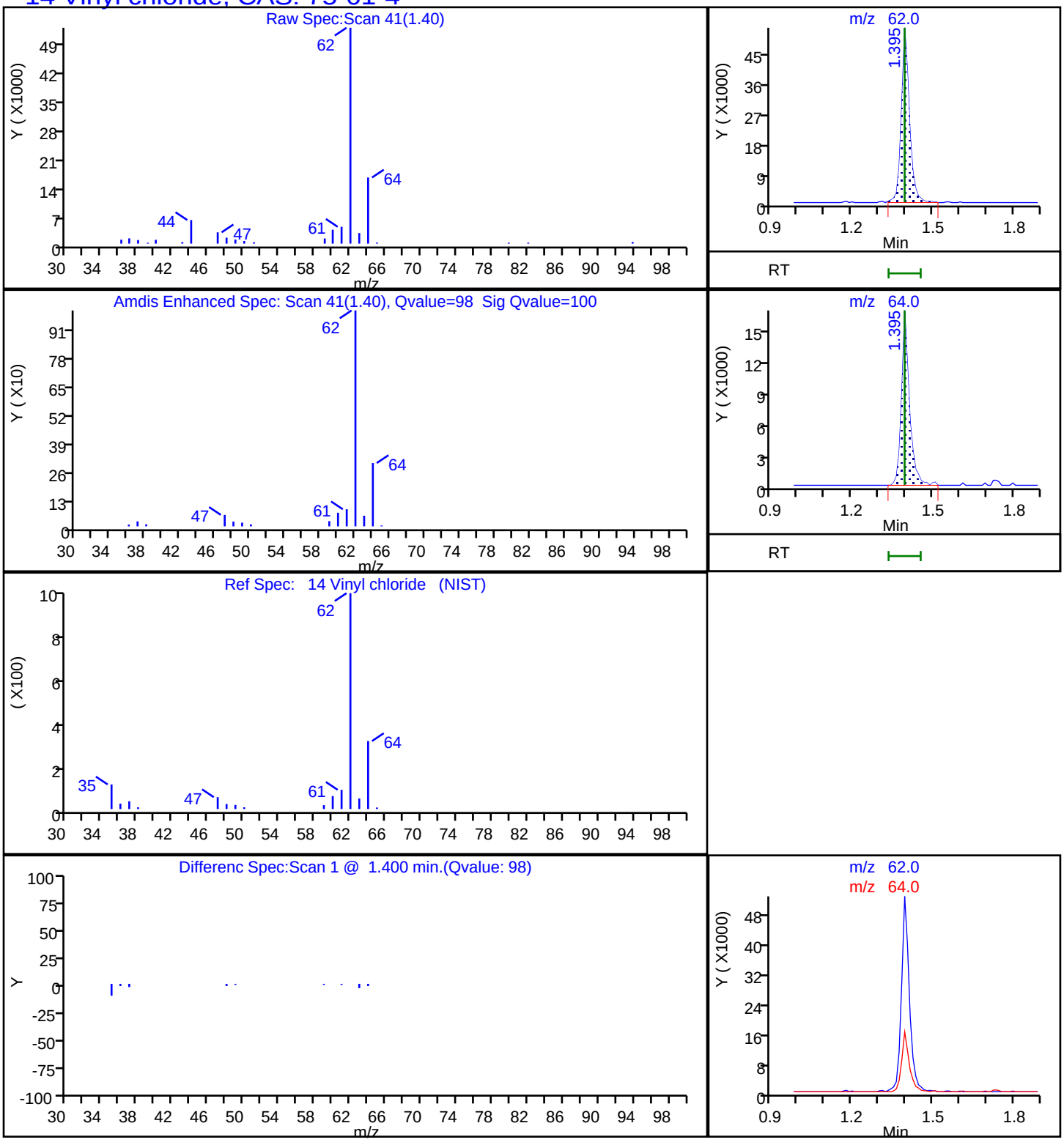
Report Date: 18-Aug-2020 08:54:55 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6222.D

Injection Date:	17-Aug-2020 14:16:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-15	Lab Sample ID:	480-173788-15		
Client ID:	442024-INJ-1				
Operator ID:	RF	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Vinyl chloride, CAS: 75-01-4



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6223.D
Lims ID: 480-173788-B-16
Client ID: 442024-MW-101A
Sample Type: Client
Inject. Date: 17-Aug-2020 14:40:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-b-16
Misc. Info.: 480-0092795-017
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:54:10 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 08:55:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	97	129523	25.0	
* 2 Chlorobenzene-d5	117	7.002	7.002	0.000	91	502753	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.857	8.857	0.001	96	283608	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	170964	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	234953	26.9	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	590618	23.5	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	176742	21.7	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62	1.395	1.395	0.000	99	16520	1.58	
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.483	2.473	0.010	100	11415	3.17	
25 Carbon disulfide	76	2.545	2.545	0.000	99	5927	0.2991	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96	3.862	3.861	0.001	86	58483	7.97	
44 2-Butanone (MEK)	43		3.893				ND	
50 Chloroform	83		4.120				ND	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.556				ND	
60 Trichloroethene	95		4.981				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	61	3456	0.3073	
73 Toluene	92	5.934	5.934	0.000	94	15648	0.8925	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	
79 Tetrachloroethene	166	6.338	6.328	0.010	83	1532	0.1861	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91		7.084				ND	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.499				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00209	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added: 1.00	Units: uL	Run Reagent

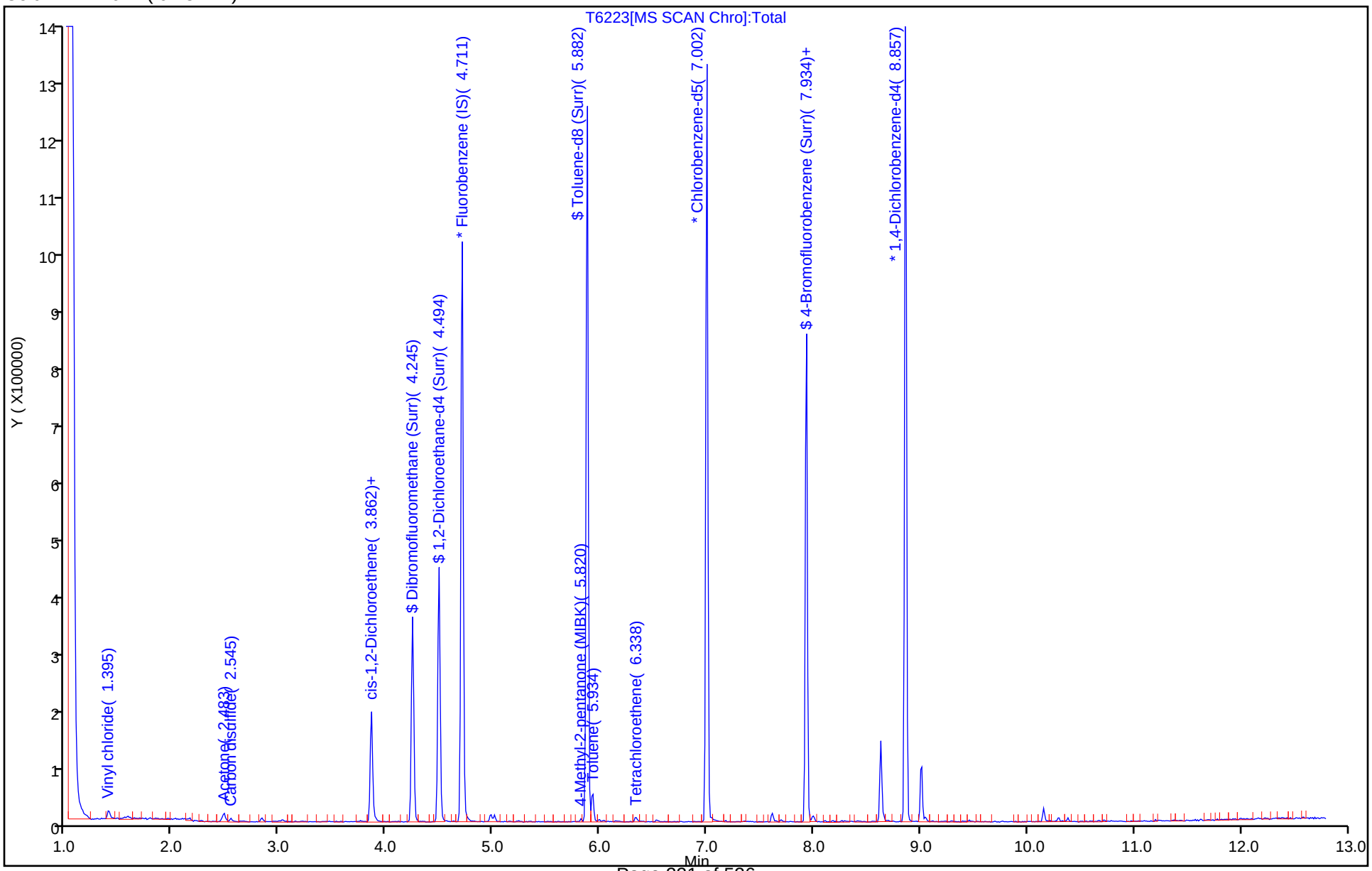
Report Date: 18-Aug-2020 08:55:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6223.D

Injection Date:	17-Aug-2020 14:40:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-16	Lab Sample ID:	480-173788-16	Worklist Smp#:	17
Client ID:	442024-MW-101A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



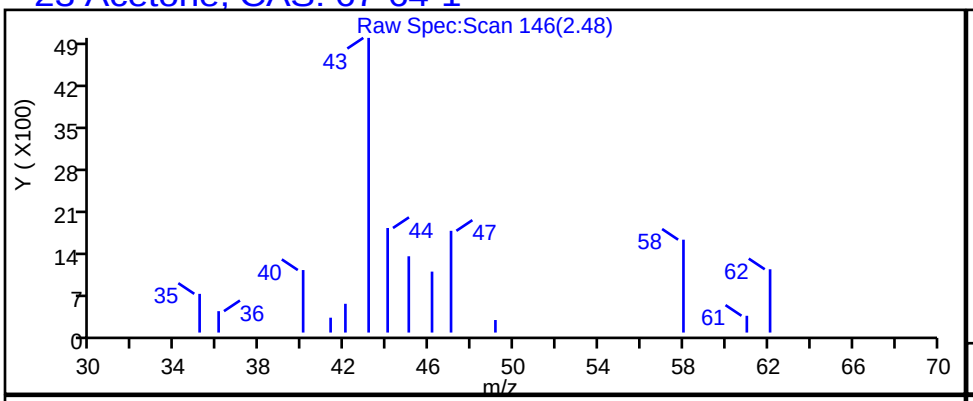
Report Date: 18-Aug-2020 08:55:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

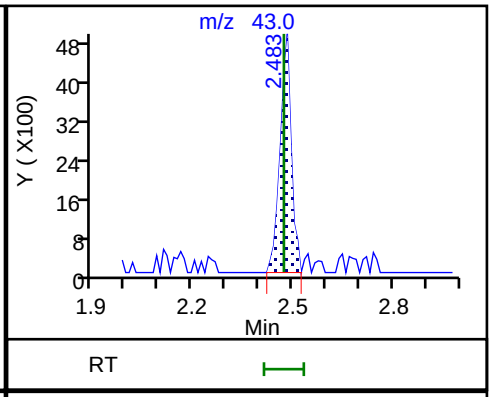
Eurofins TestAmerica, Buffalo

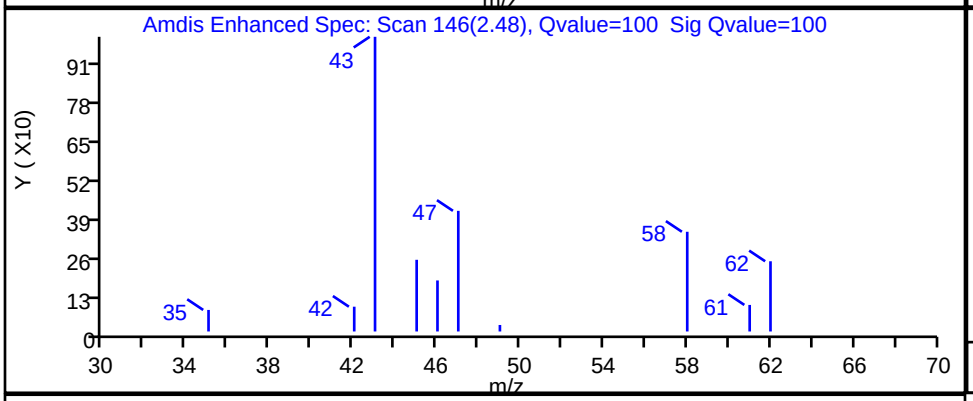
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6223.D

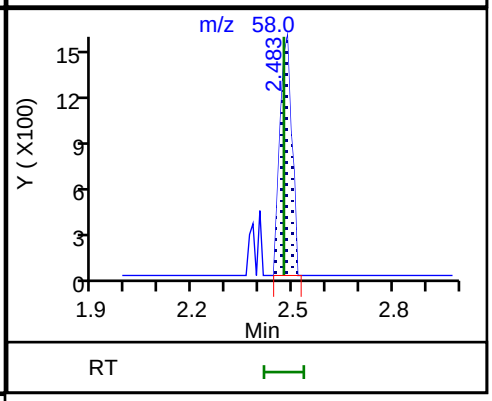
Injection Date:	17-Aug-2020 14:40:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-16	Lab Sample ID:	480-173788-16
Client ID:	442024-MW-101A		
Operator ID:	RF	ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

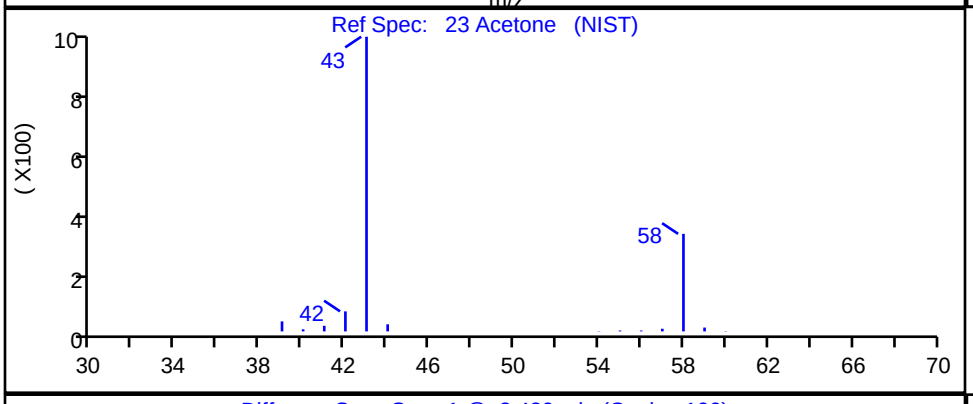
23 Acetone, CAS: 67-64-1

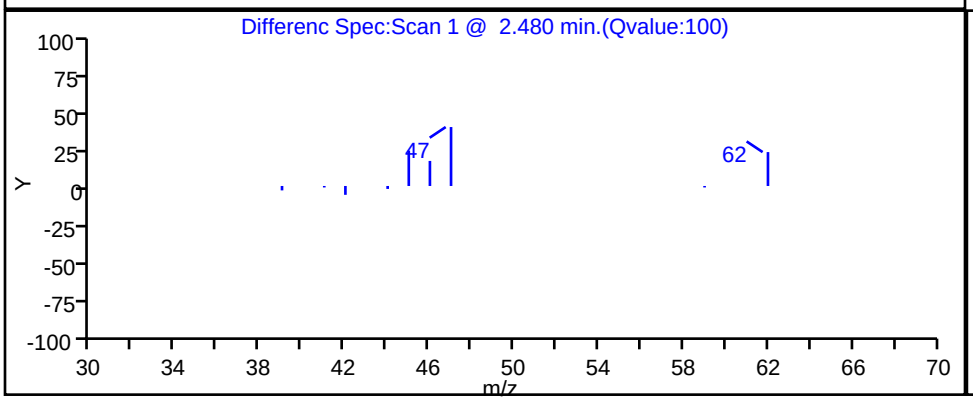


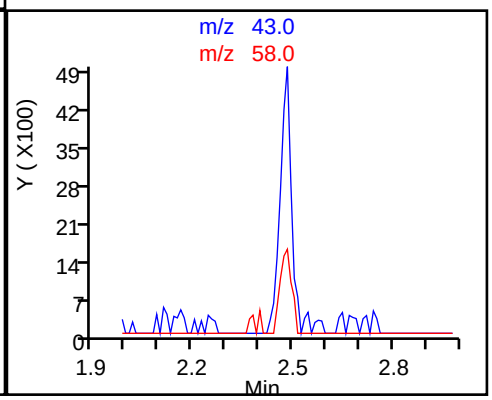












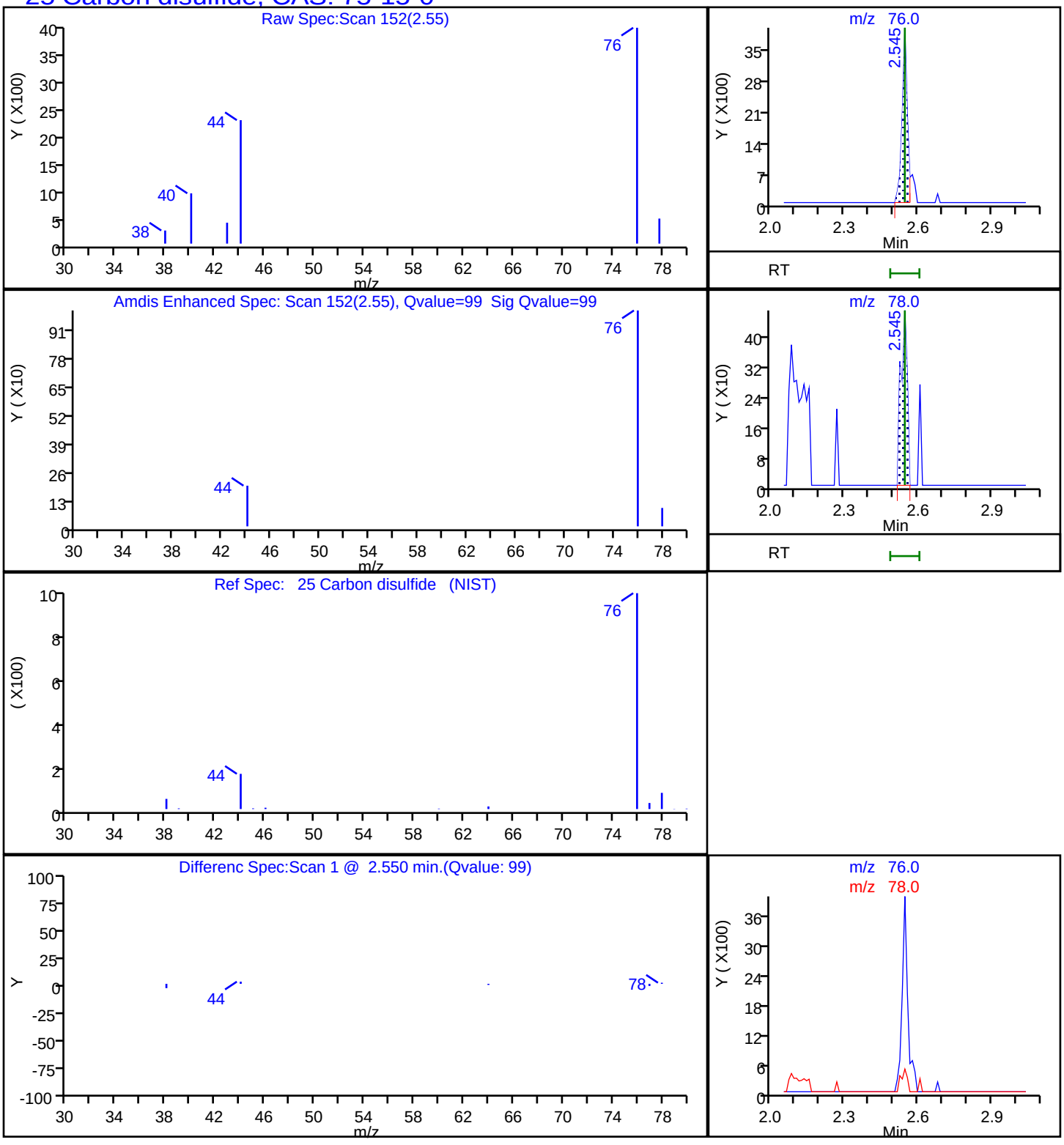
Report Date: 18-Aug-2020 08:55:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6223.D

Injection Date:	17-Aug-2020 14:40:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-16	Lab Sample ID:	480-173788-16		
Client ID:	442024-MW-101A				
Operator ID:	RF	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

25 Carbon disulfide, CAS: 75-15-0



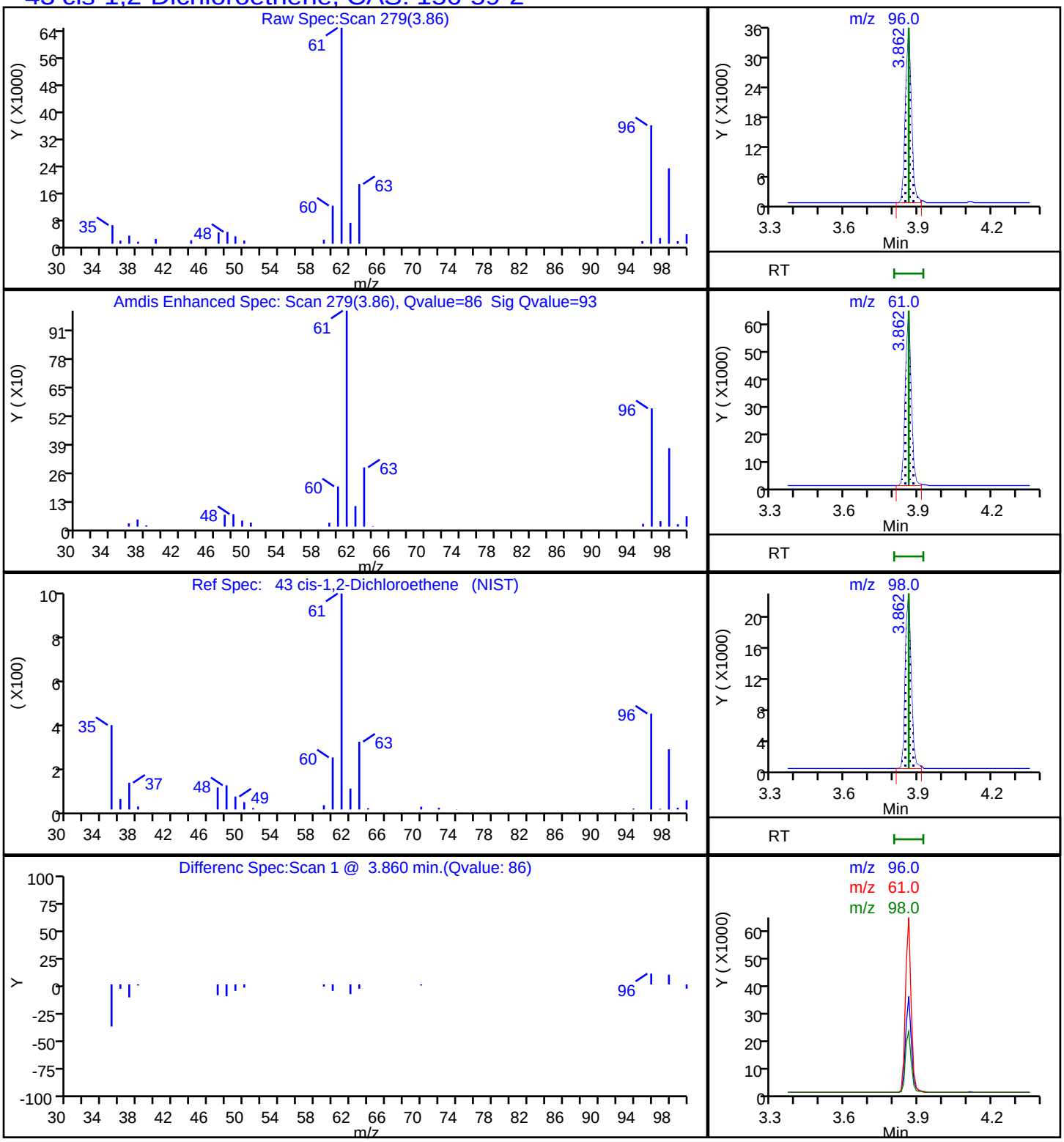
Report Date: 18-Aug-2020 08:55:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6223.D

Injection Date:	17-Aug-2020 14:40:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-16	Lab Sample ID:	480-173788-16		
Client ID:	442024-MW-101A				
Operator ID:	RF	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2



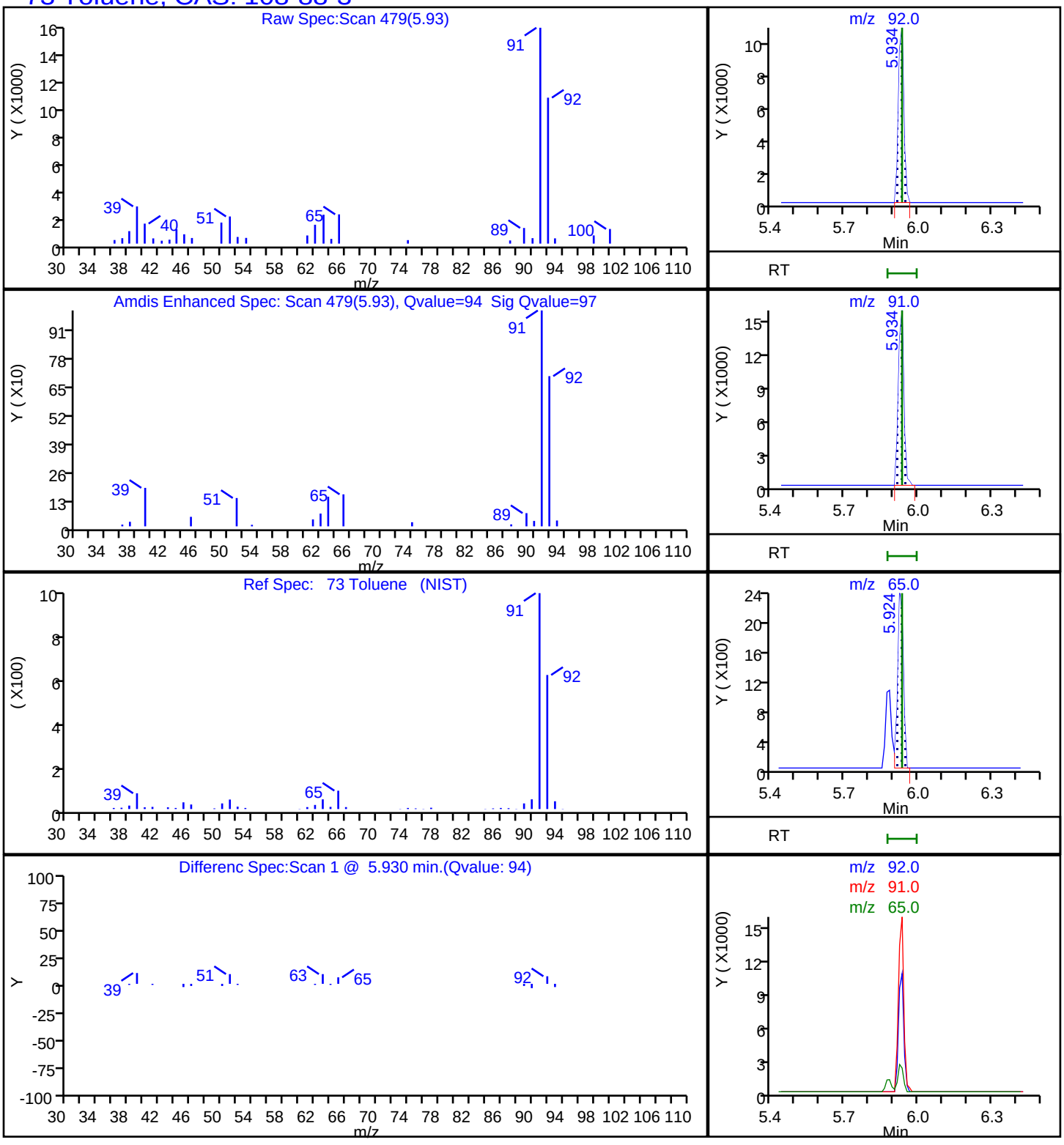
Report Date: 18-Aug-2020 08:55:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6223.D

Injection Date:	17-Aug-2020 14:40:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-16	Lab Sample ID:	480-173788-16
Client ID:	442024-MW-101A		
Operator ID:	RF	ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

73 Toluene, CAS: 108-88-3



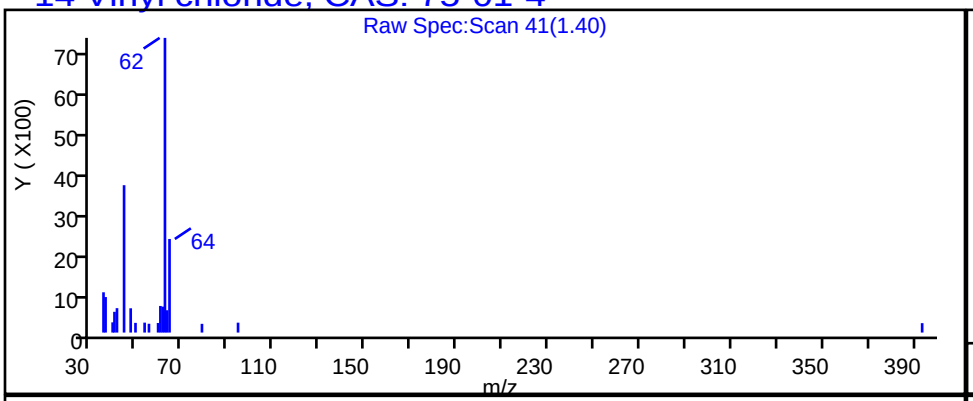
Report Date: 18-Aug-2020 08:55:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

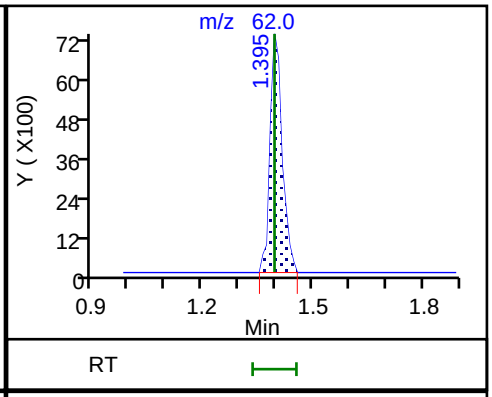
Eurofins TestAmerica, Buffalo

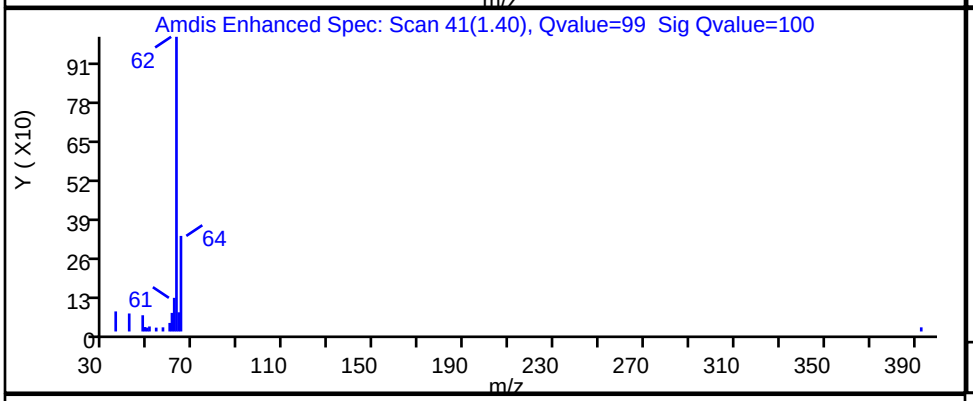
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6223.D

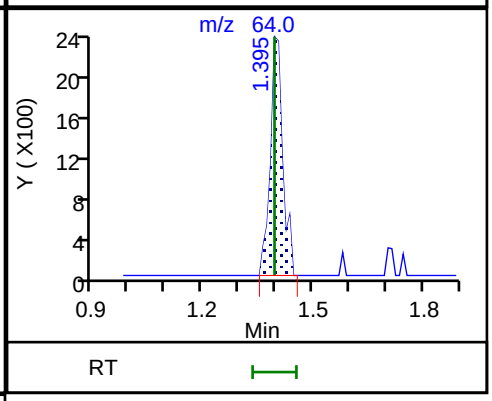
Injection Date:	17-Aug-2020 14:40:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-16	Lab Sample ID:	480-173788-16
Client ID:	442024-MW-101A		
Operator ID:	RF	ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

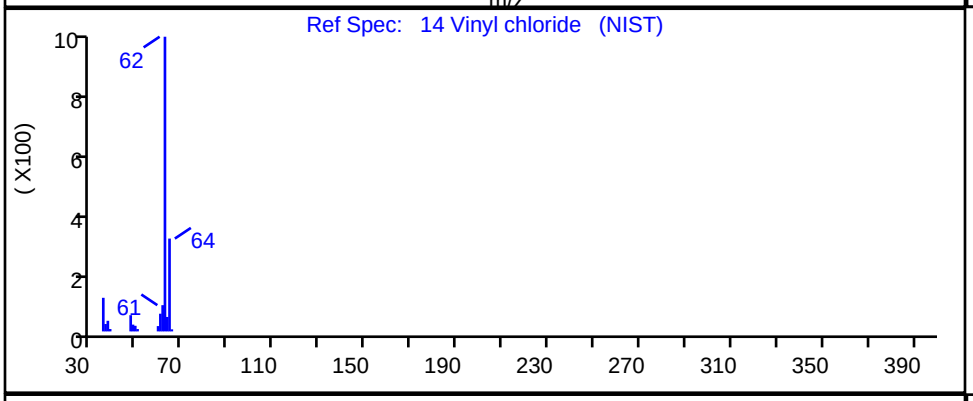
14 Vinyl chloride, CAS: 75-01-4

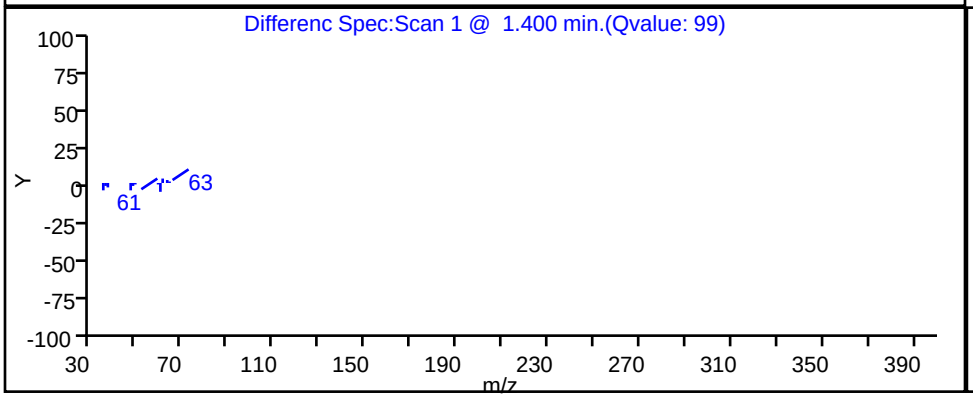


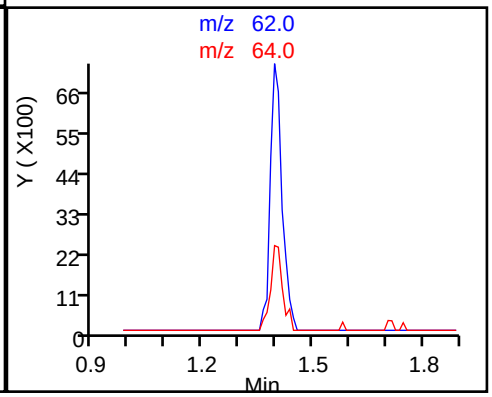












Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6224.D
Lims ID: 480-173788-B-17
Client ID: 442024-MW-105
Sample Type: Client
Inject. Date: 17-Aug-2020 15:03:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-b-17
Misc. Info.: 480-0092795-018
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:54:10 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 08:55:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	130805	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.002	-0.001	91	506634	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.857	0.000	96	277739	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	92	167699	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	226248	25.7	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	96	585835	23.1	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	177931	21.6	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62		1.395				ND	
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.483	2.473	0.010	95	4402	1.21	
25 Carbon disulfide	76		2.545				ND	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96		3.861				ND	
44 2-Butanone (MEK)	43		3.893				ND	
50 Chloroform	83		4.120				ND	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.556				ND	
60 Trichloroethene	95		4.981				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	
73 Toluene	92		5.934				ND	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	
79 Tetrachloroethene	166		6.328				ND	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91		7.084				ND	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.499				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00209	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added: 1.00	Units: uL	Run Reagent

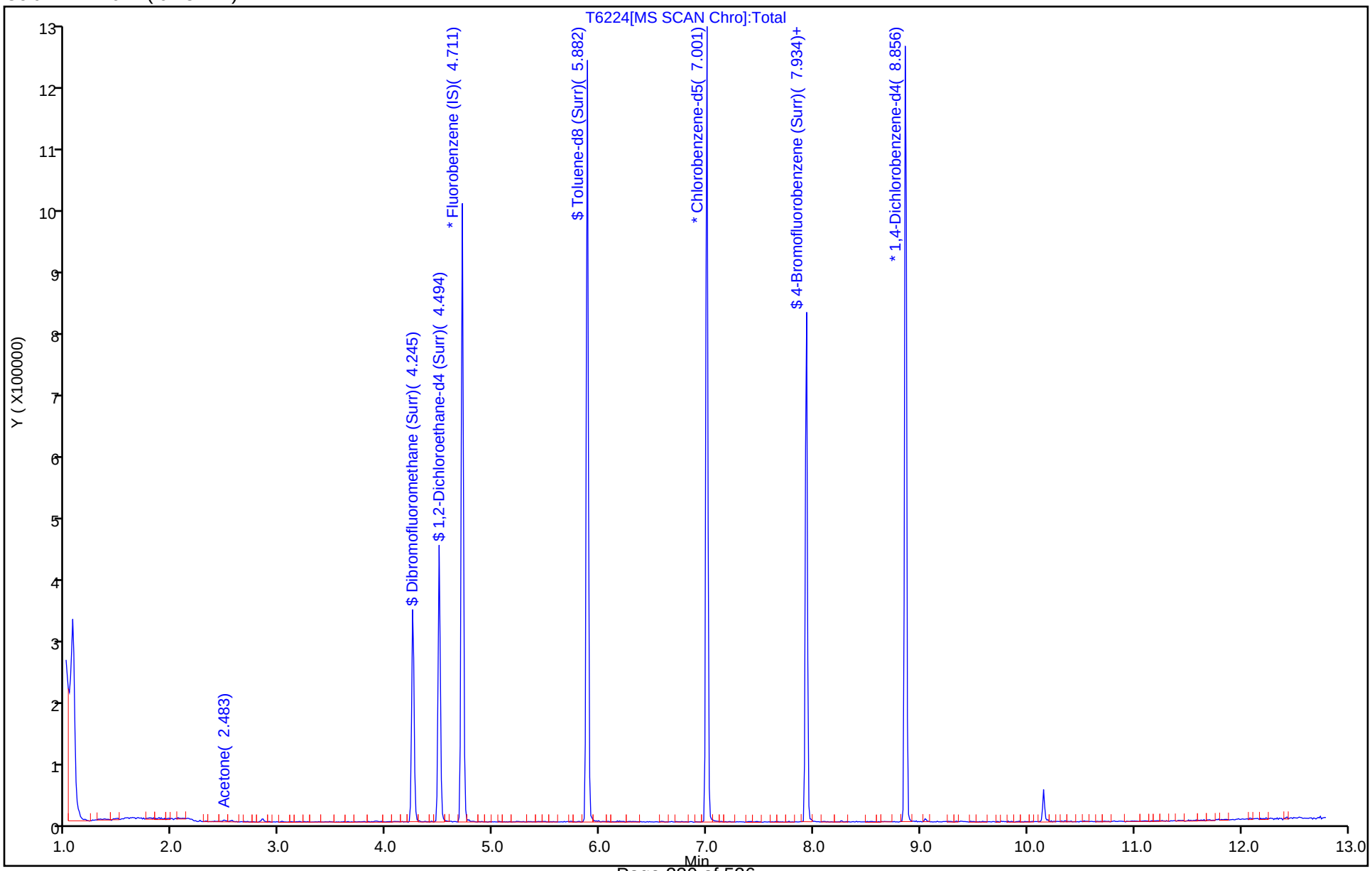
Report Date: 18-Aug-2020 08:55:41 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6224.D

Injection Date:	17-Aug-2020 15:03:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-17	Lab Sample ID:	480-173788-17	Worklist Smp#:	18
Client ID:	442024-MW-105				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6225.D
Lims ID: 480-173788-B-18
Client ID: 442024-MW-2B
Sample Type: Client
Inject. Date: 17-Aug-2020 15:27:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-b-18
Misc. Info.: 480-0092795-019
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:56:35 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 08:56:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	127068	25.0	
* 2 Chlorobenzene-d5	117	7.002	7.002	0.000	90	497959	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.857	8.857	0.001	96	289936	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	170362	26.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	231010	27.0	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	587334	23.6	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	187964	23.3	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62		1.395				ND	U
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.483	2.473	0.010	78	5191	1.47	
25 Carbon disulfide	76		2.545				ND	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96	3.862	3.861	0.001	85	2296	0.3191	
44 2-Butanone (MEK)	43		3.893				ND	
50 Chloroform	83		4.120				ND	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.556				ND	
60 Trichloroethene	95		4.981				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	
73 Toluene	92		5.934				ND	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	
79 Tetrachloroethene	166		6.328				ND	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91		7.084				ND	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.499				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

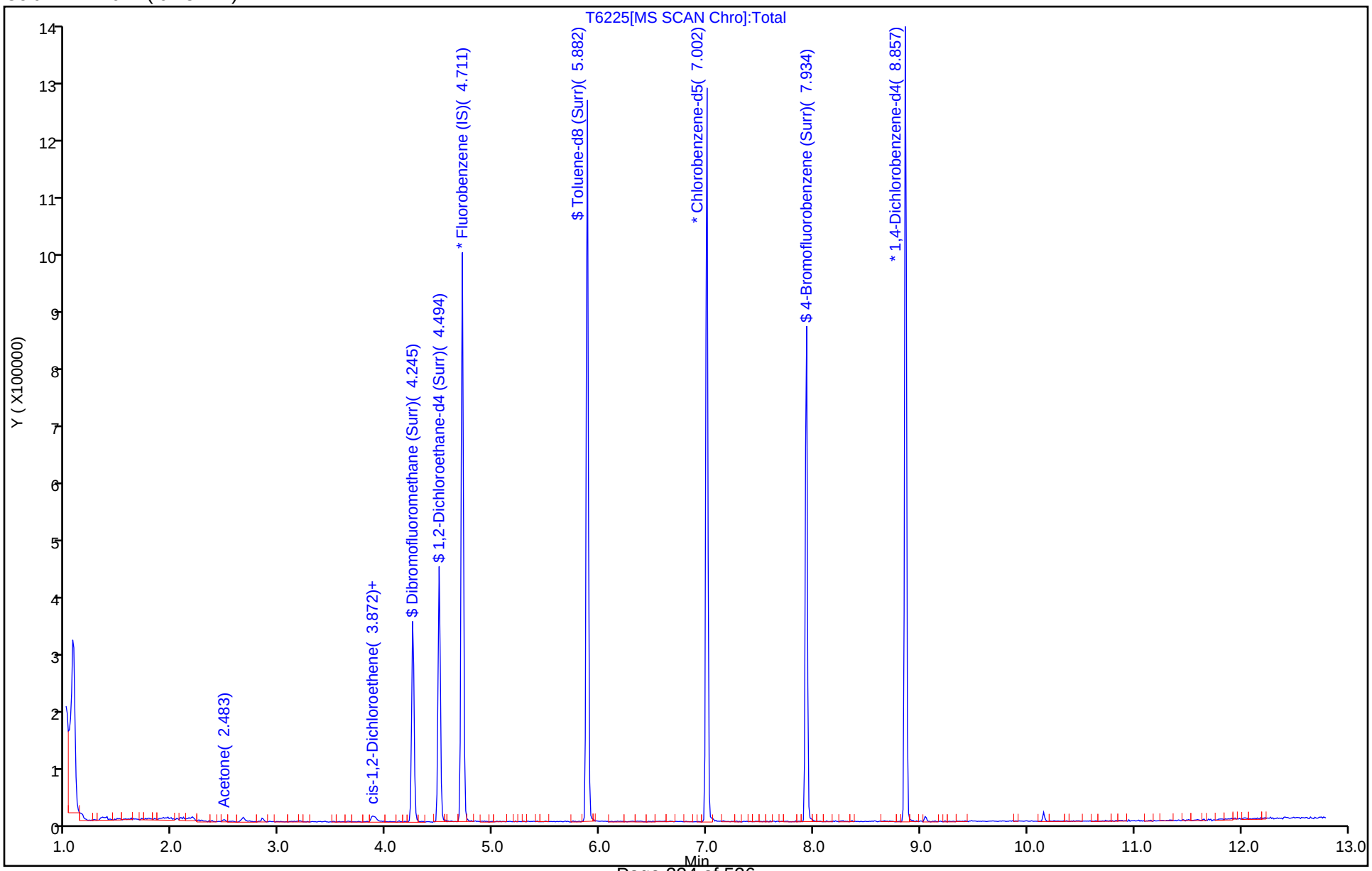
Report Date: 18-Aug-2020 08:56:36 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6225.D

Injection Date:	17-Aug-2020 15:27:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-18	Lab Sample ID:	480-173788-18	Worklist Smp#:	19
Client ID:	442024-MW-2B				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



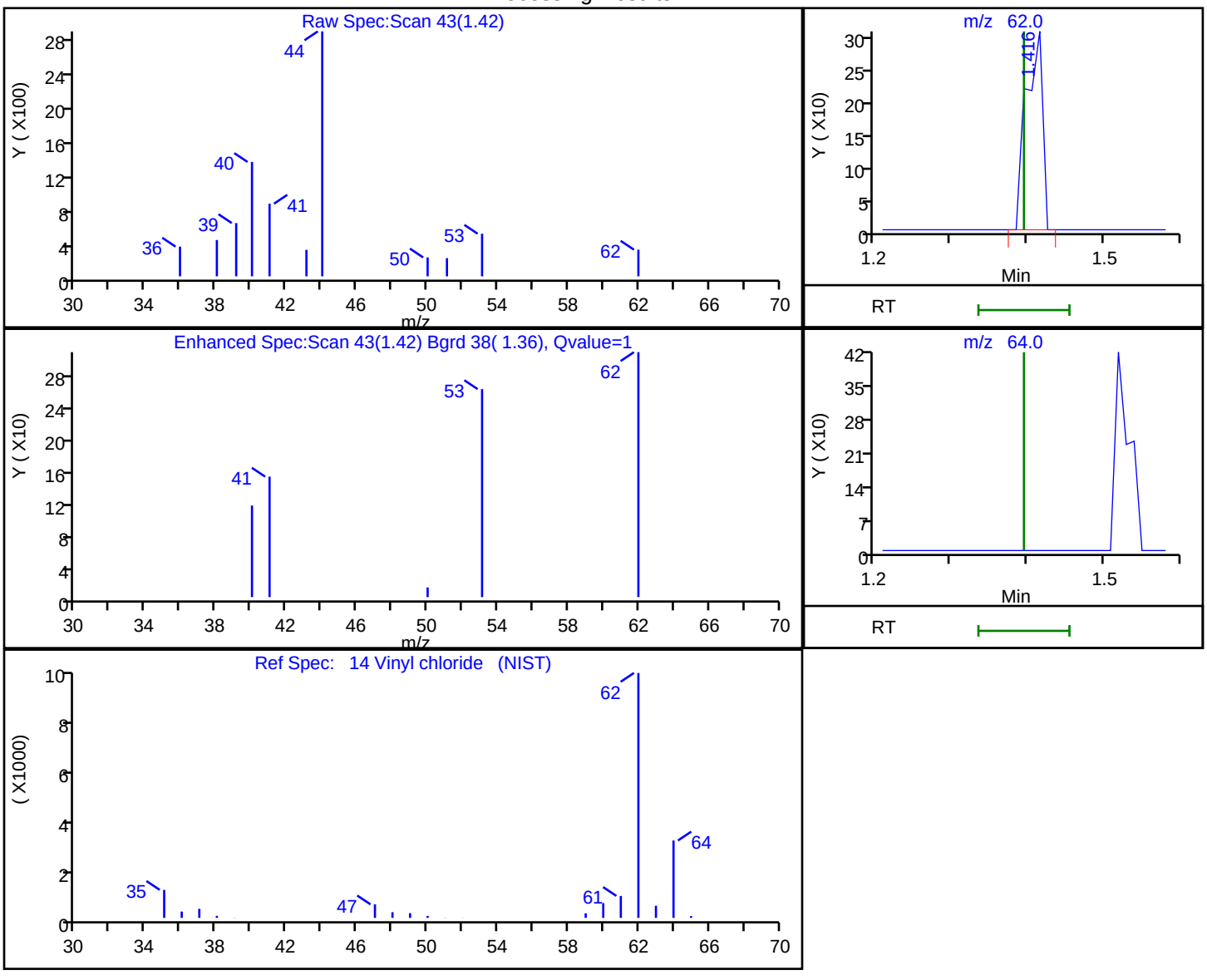
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6225.D				
Injection Date:	17-Aug-2020 15:27:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-18	Lab Sample ID:	480-173788-18		
Client ID:	442024-MW-2B				
Operator ID:	RF	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.42	62.00	458	0.044755
1.40	64.00	0	

Reviewer: farrellr, 18-Aug-2020 08:56:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6226.D
Lims ID: 480-173788-B-19
Client ID: 442024-MW-2
Sample Type: Client
Inject. Date: 17-Aug-2020 15:51:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-b-19
Misc. Info.: 480-0092795-020
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:57:27 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 08:57:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	123336	25.0	
* 2 Chlorobenzene-d5	117	7.002	7.002	0.000	91	514011	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.857	8.857	0.001	96	284317	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	92	164475	25.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	232153	27.9	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	96	600008	23.4	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	177497	21.3	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62		1.395				ND	
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.483	2.473	0.010	76	3604	1.05	
25 Carbon disulfide	76		2.545				ND	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96	3.862	3.861	0.001	85	36438	5.22	
44 2-Butanone (MEK)	43		3.893				ND	
50 Chloroform	83	4.121	4.120	0.001	93	3225	0.2605	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.556				ND	U
60 Trichloroethene	95	4.981	4.981	0.000	85	2392	0.3631	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	
73 Toluene	92		5.934				ND	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	
79 Tetrachloroethene	166	6.328	6.328	0.000	97	363917	43.2	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91		7.084				ND	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.499				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

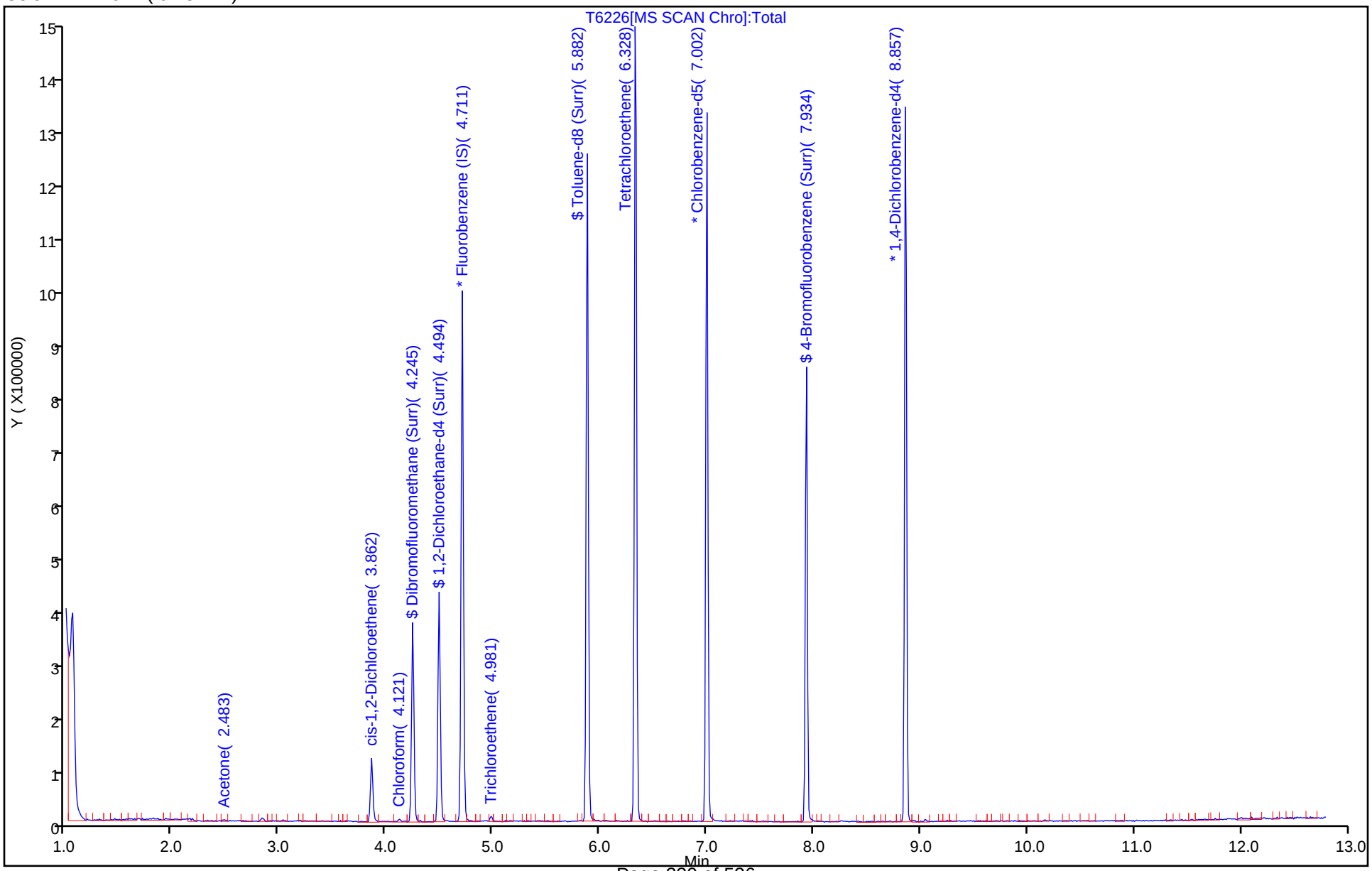
Report Date: 18-Aug-2020 08:57:27 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6226.D

Injection Date:	17-Aug-2020 15:51:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-19	Lab Sample ID:	480-173788-19	Worklist Smp#:	20
Client ID:	442024-MW-2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

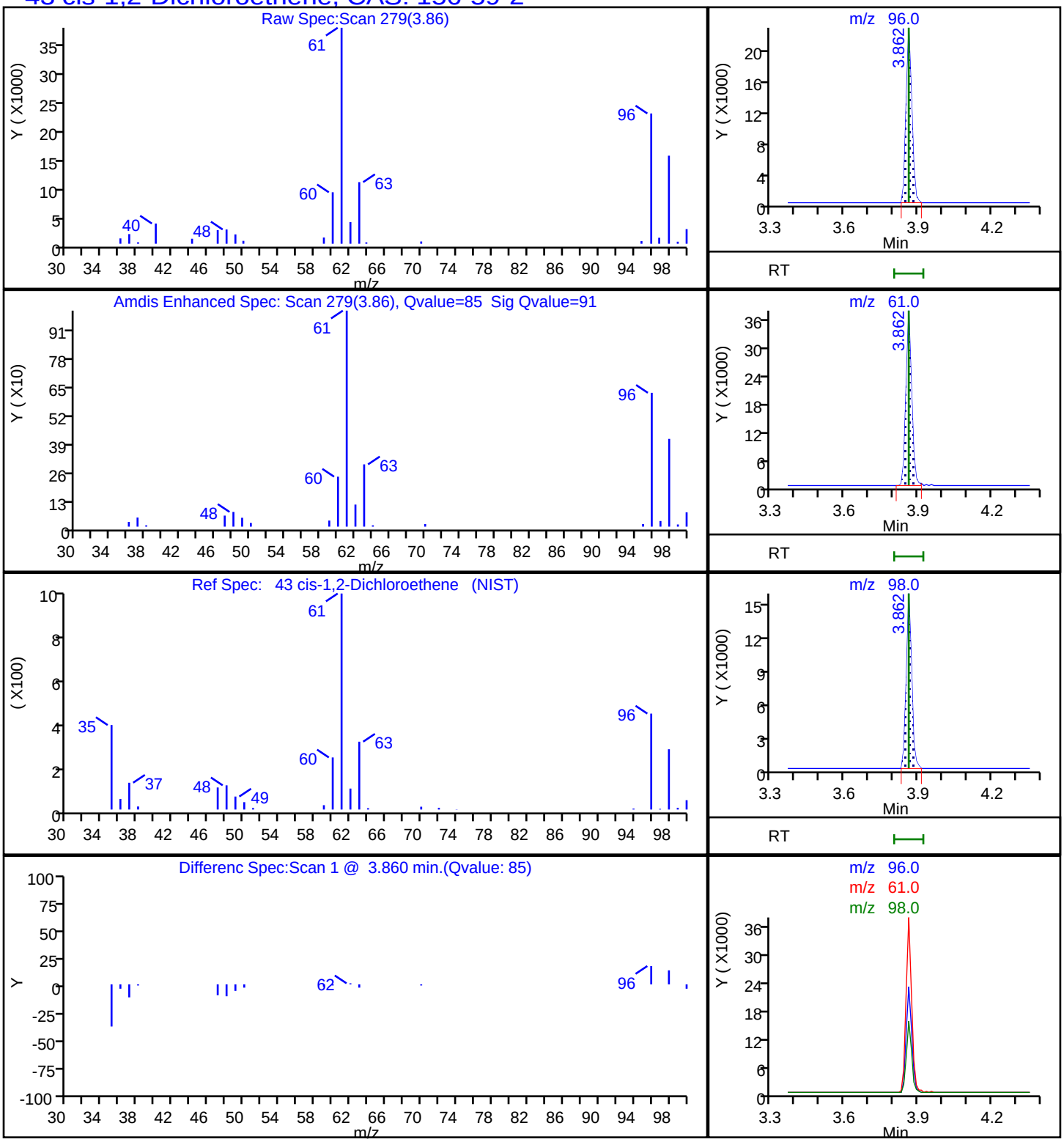


Report Date: 18-Aug-2020 08:57:27 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6226.D				
Injection Date:	17-Aug-2020 15:51:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-19	Lab Sample ID:	480-173788-19		
Client ID:	442024-MW-2				
Operator ID:	RF	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2

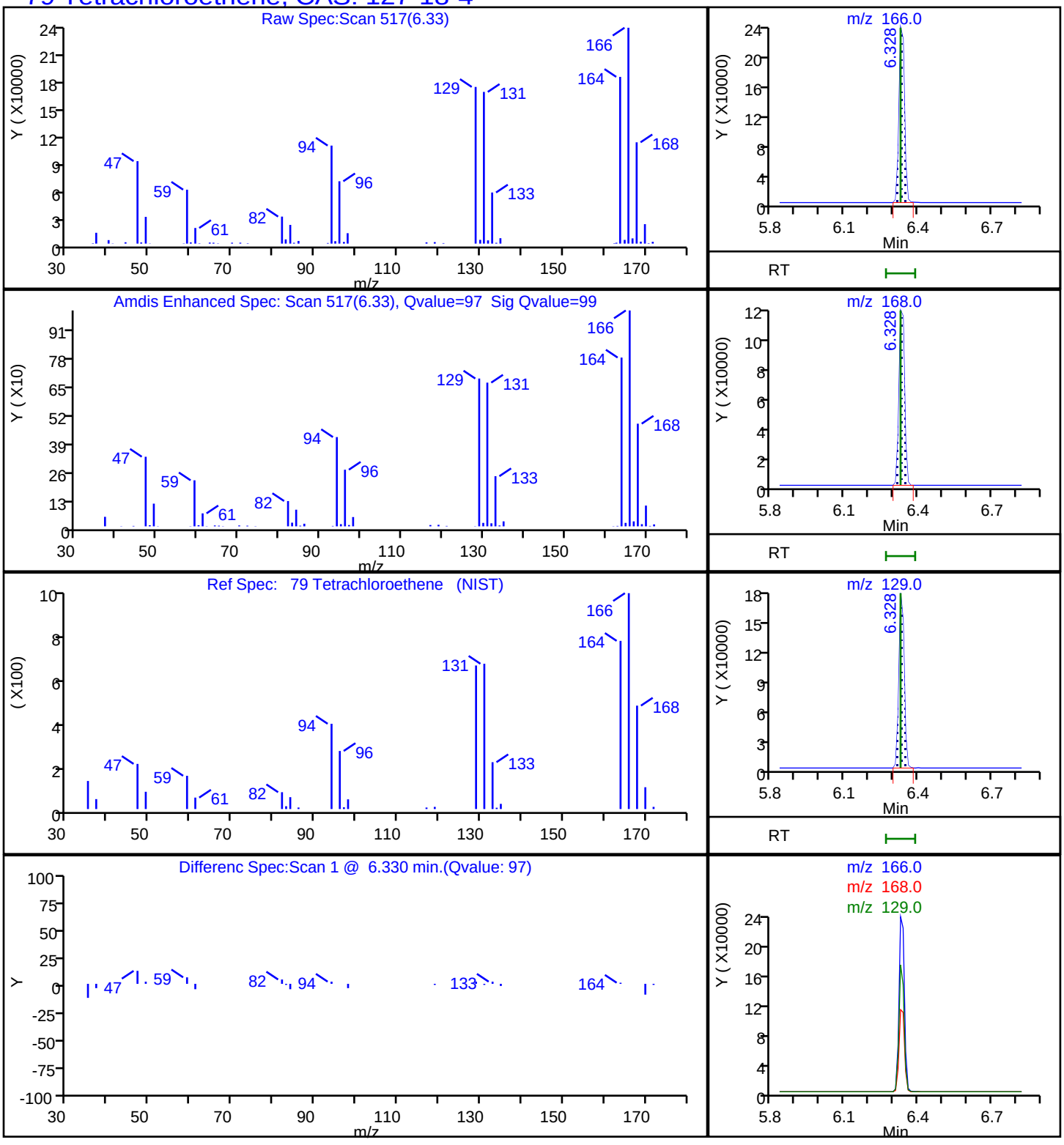


Report Date: 18-Aug-2020 08:57:28 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6226.D		
Injection Date:	17-Aug-2020 15:51:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-19	Lab Sample ID:	480-173788-19
Client ID:	442024-MW-2		
Operator ID:	RF	ALS Bottle#:	19 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

79 Tetrachloroethene, CAS: 127-18-4



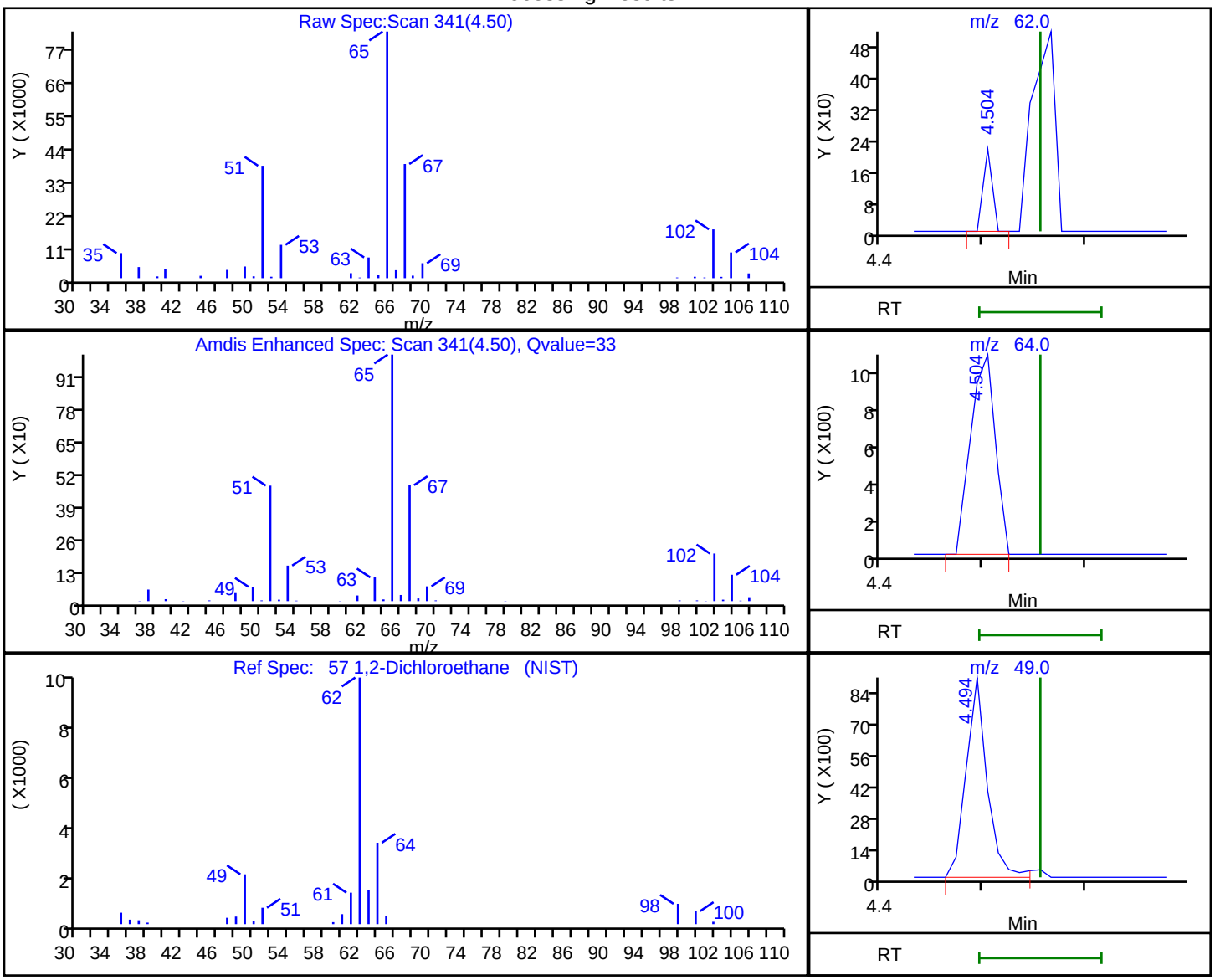
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6226.D				
Injection Date:	17-Aug-2020 15:51:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-19	Lab Sample ID:	480-173788-19		
Client ID:	442024-MW-2				
Operator ID:	RF	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

57 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
4.50	62.00	132	0.010904
4.50	64.00	1794	
4.49	49.00	13005	

Reviewer: farrellr, 18-Aug-2020 08:56:53

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6227.D
Lims ID: 480-173788-B-20
Client ID: 442024-MW-109
Sample Type: Client
Inject. Date: 17-Aug-2020 16:15:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-b-20
Misc. Info.: 480-0092795-021
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:57:27 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 08:57:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	115675	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.002	-0.001	91	502999	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.857	0.000	96	287800	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	166951	28.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	226862	29.1	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	96	526851	21.0	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	180602	22.1	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62		1.395				ND	
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.483	2.473	0.010	71	3344	1.04	
25 Carbon disulfide	76		2.545				ND	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96		3.861				ND	
44 2-Butanone (MEK)	43		3.893				ND	
50 Chloroform	83		4.120				ND	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.556				ND	
60 Trichloroethene	95		4.981				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	
73 Toluene	92		5.934				ND	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	
79 Tetrachloroethene	166		6.328				ND	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91		7.084				ND	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.499				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00209	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added: 1.00	Units: uL	Run Reagent

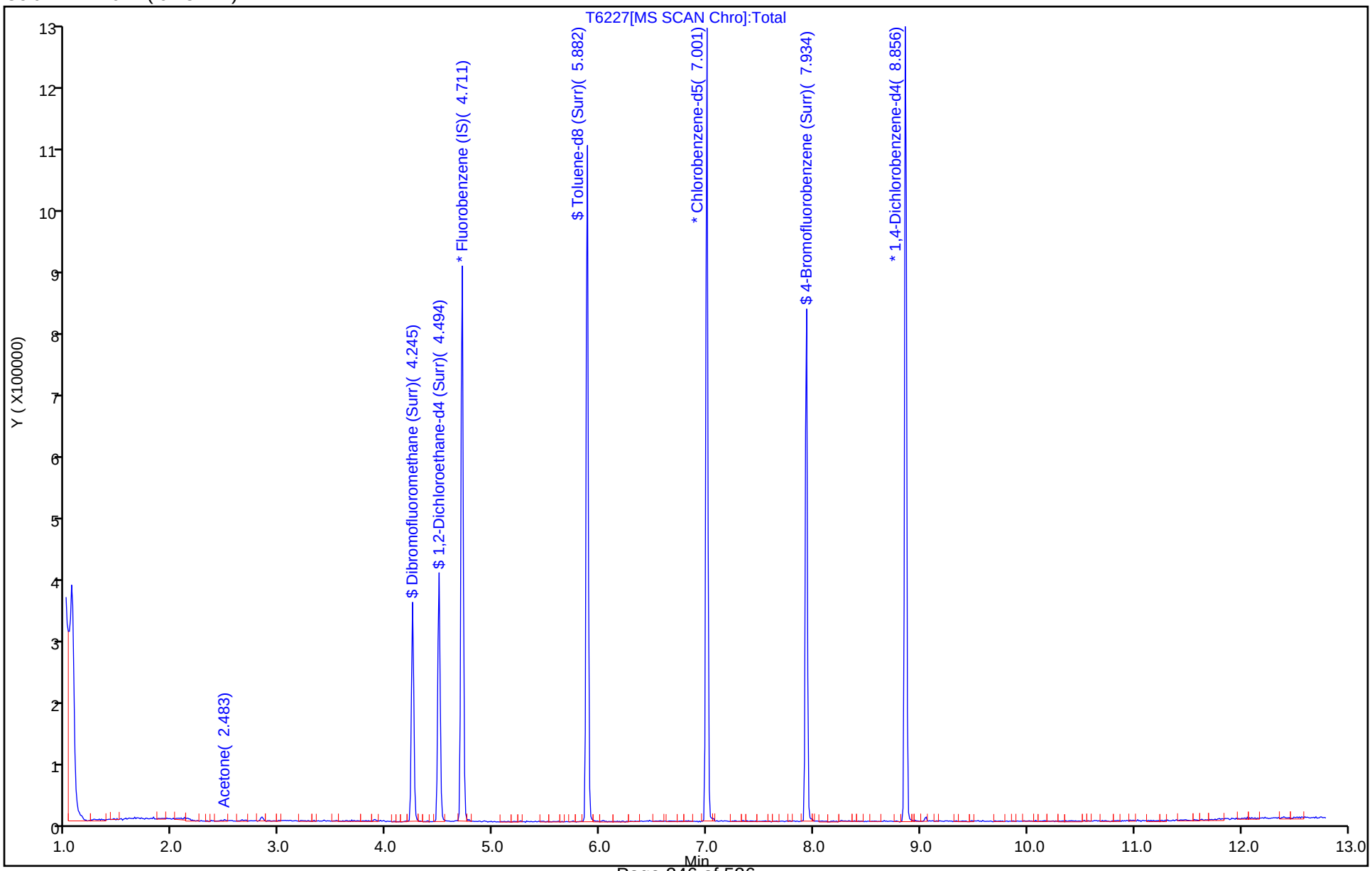
Report Date: 18-Aug-2020 08:57:51 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6227.D

Injection Date:	17-Aug-2020 16:15:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-20	Lab Sample ID:	480-173788-20	Worklist Smp#:	21
Client ID:	442024-MW-109				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0752.D
Lims ID: 480-173788-B-21
Client ID: 442024-FD-08112020
Sample Type: Client
Inject. Date: 19-Aug-2020 17:27:30 ALS Bottle#: 18 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-21
Misc. Info.: 480-0092846-025
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:46:35 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:46:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	180205	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	85	363129	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.735	10.736	-0.001	94	358558	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	54	213018	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	92	148890	25.3	
$ 5 Toluene-d8 (Surr)	98	6.860	6.860	0.000	94	854454	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	269261	24.8	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	U
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	U
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.616				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

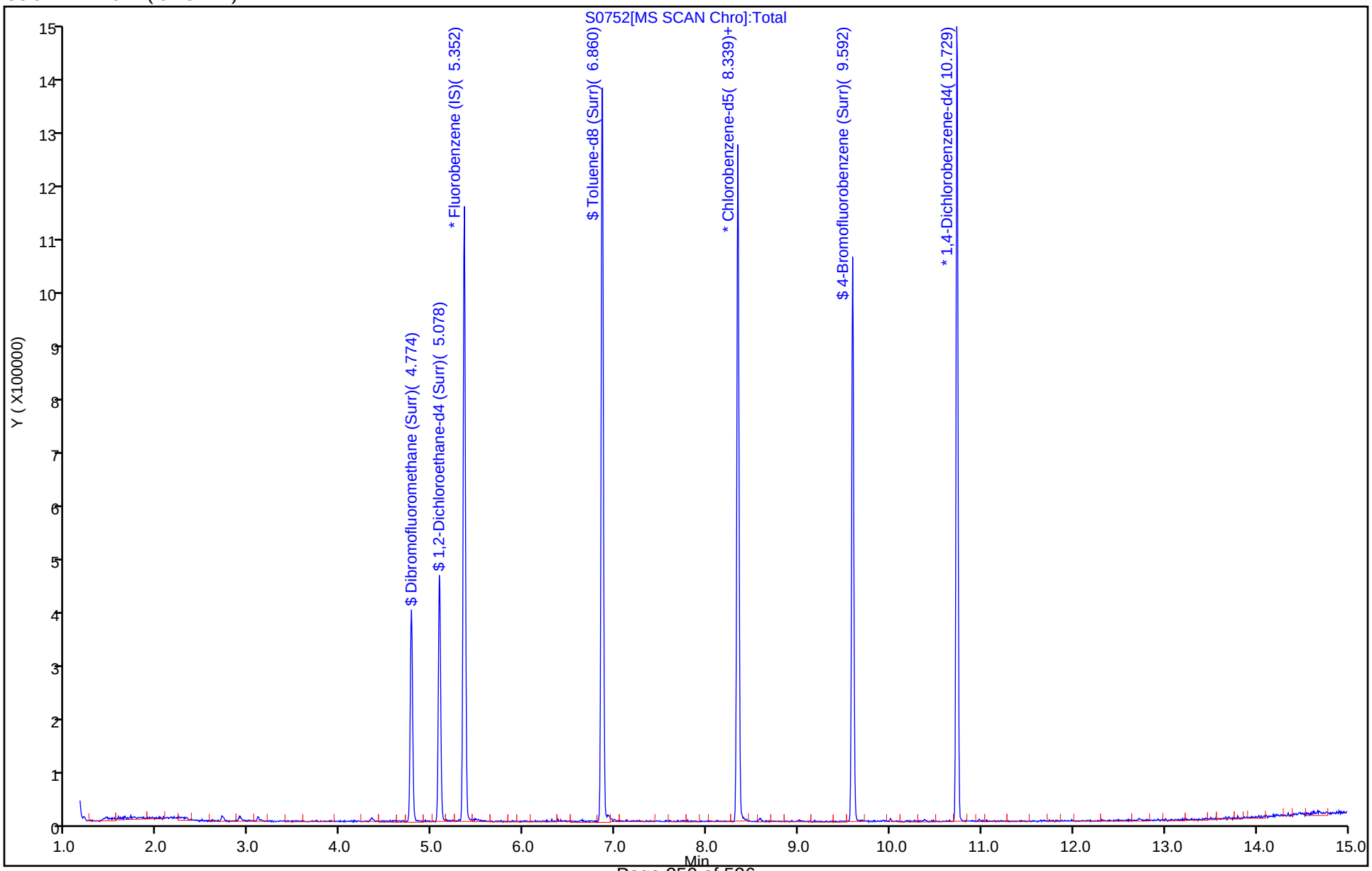
Report Date: 20-Aug-2020 07:46:35 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0752.D

Injection Date:	19-Aug-2020 17:27:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-21	Lab Sample ID:	480-173788-21	Worklist Smp#:	25
Client ID:	442024-FD-08112020				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



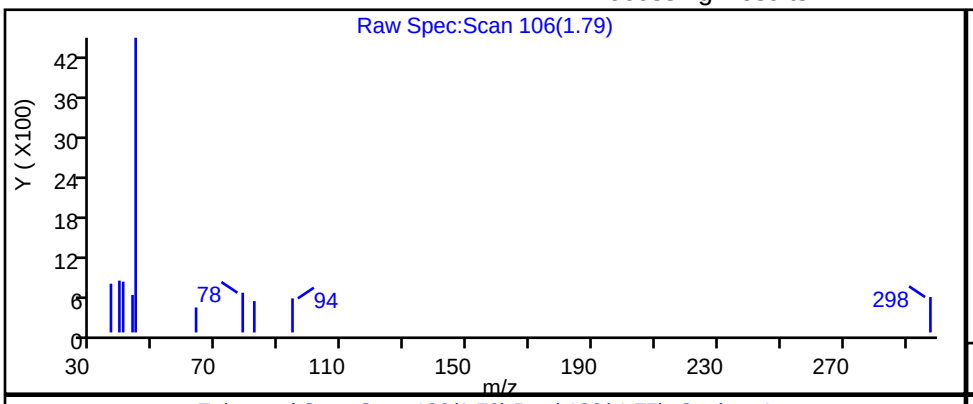
User Disabled Compound Report

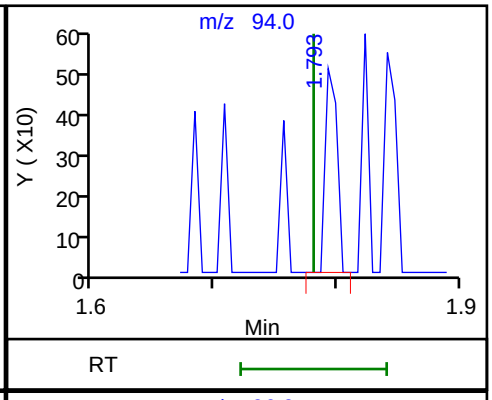
Eurofins TestAmerica, Buffalo

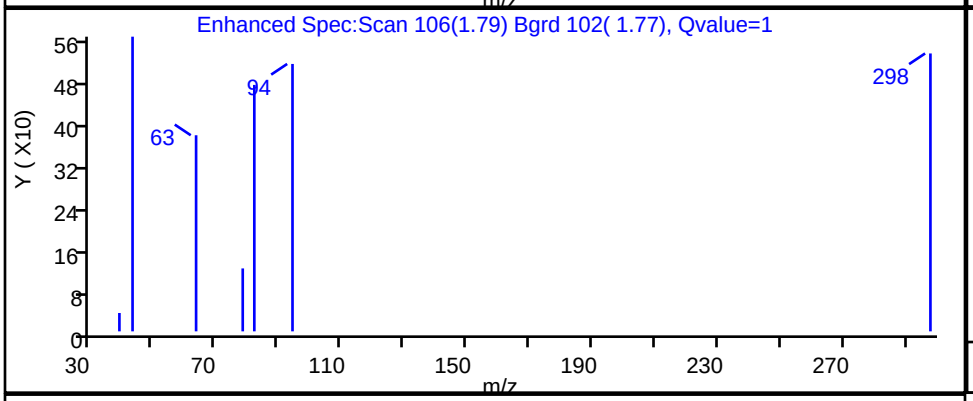
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0752.D				
Injection Date:	19-Aug-2020 17:27:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-21	Lab Sample ID:	480-173788-21		
Client ID:	442024-FD-08112020				
Operator ID:	AM	ALS Bottle#:	18	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

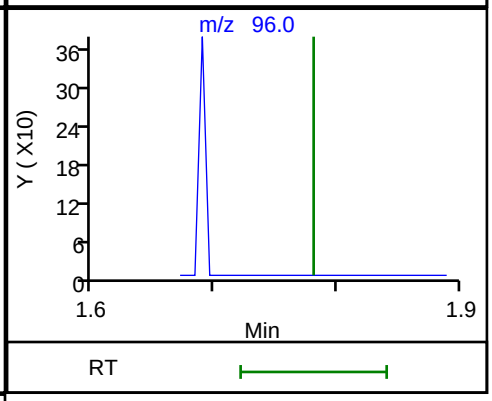
14 Bromomethane, CAS: 74-83-9

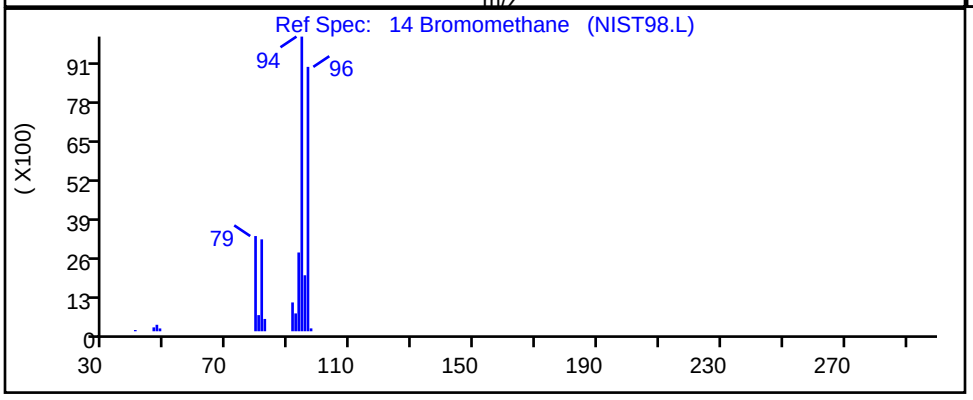
Processing Results











RT	Mass	Response	Amount
1.79	94.00	341	0.040845
1.78	96.00	0	

Reviewer: moffata, 20-Aug-2020 07:46:30

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

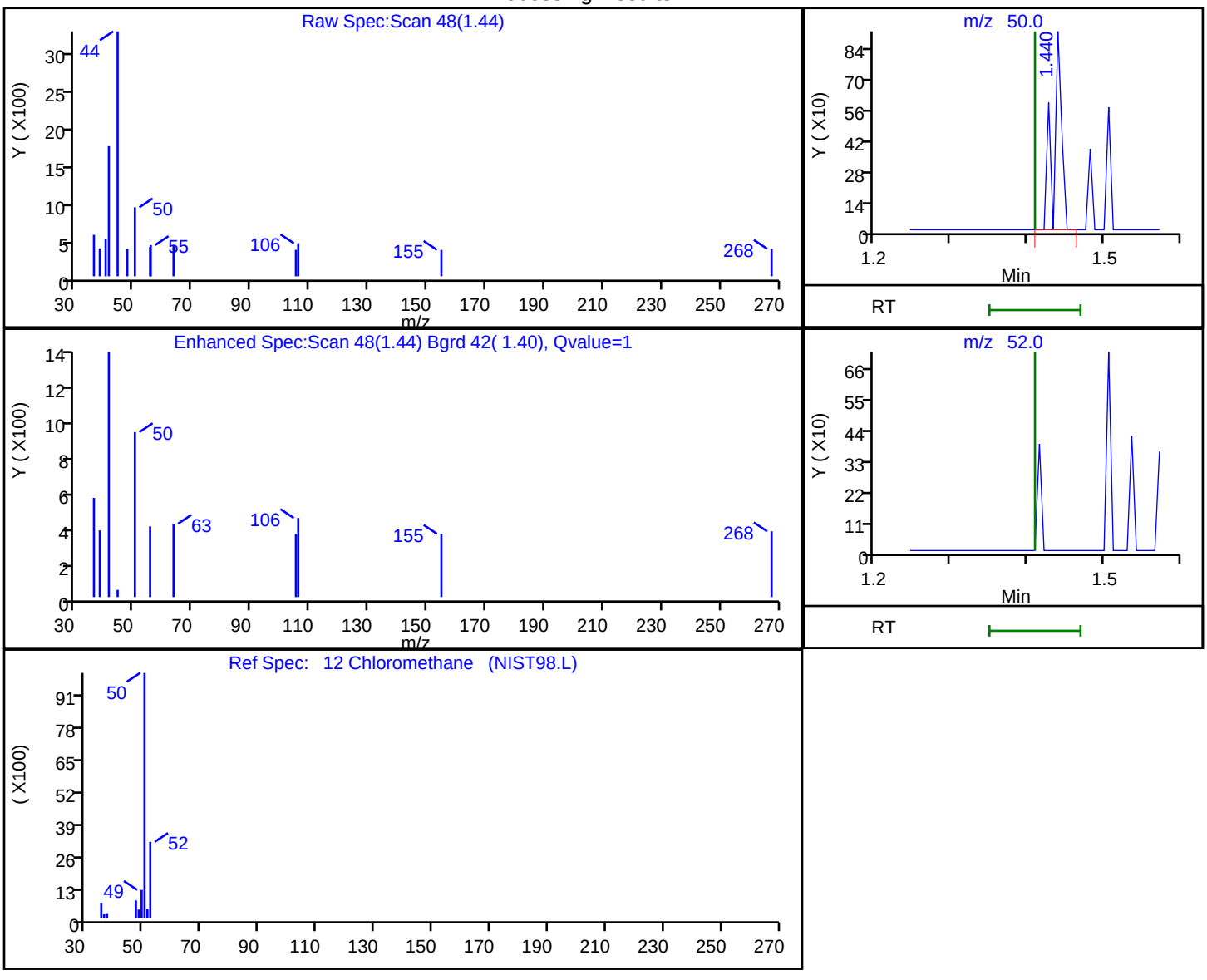
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0752.D				
Injection Date:	19-Aug-2020 17:27:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-21	Lab Sample ID:	480-173788-21		
Client ID:	442024-FD-08112020				
Operator ID:	AM	ALS Bottle#:	18	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.44	50.00	691	0.049155
1.41	52.00	0	

Reviewer: moffata, 20-Aug-2020 07:46:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0753.D
Lims ID: 480-173788-B-22
Client ID: 442024-MW-106
Sample Type: Client
Inject. Date: 19-Aug-2020 17:50:30 ALS Bottle#: 19 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-22
Misc. Info.: 480-0092846-026
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:46:45 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:46:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	180936	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	84	368926	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	95	356946	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	57	209145	23.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	93	148676	25.1	
$ 5 Toluene-d8 (Surr)	98	6.854	6.860	-0.006	94	842201	24.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	265461	24.1	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	U
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.616				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	U
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

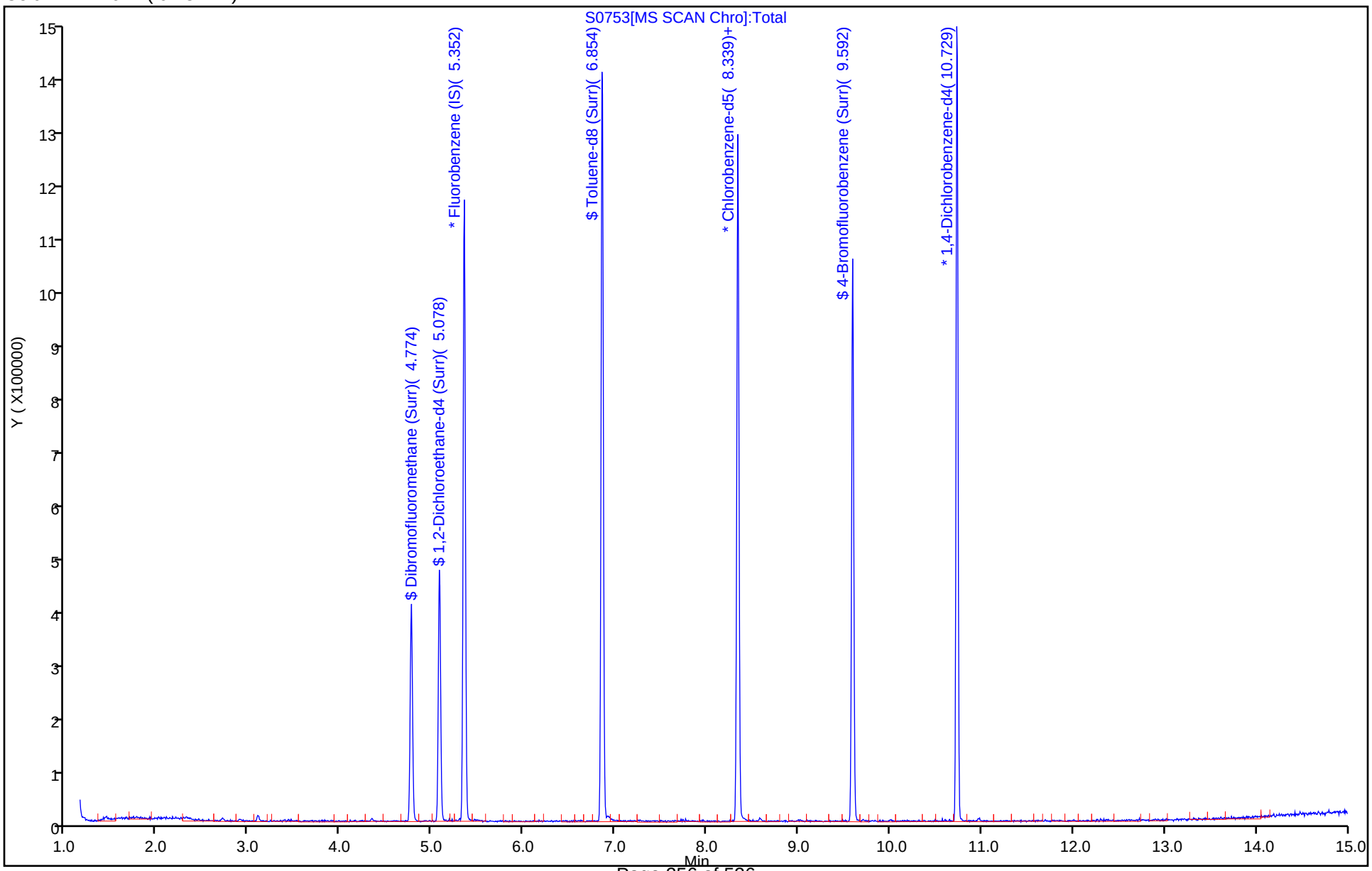
Report Date: 20-Aug-2020 07:46:45 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0753.D

Injection Date:	19-Aug-2020 17:50:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-22	Lab Sample ID:	480-173788-22	Worklist Smp#:	26
Client ID:	442024-MW-106				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



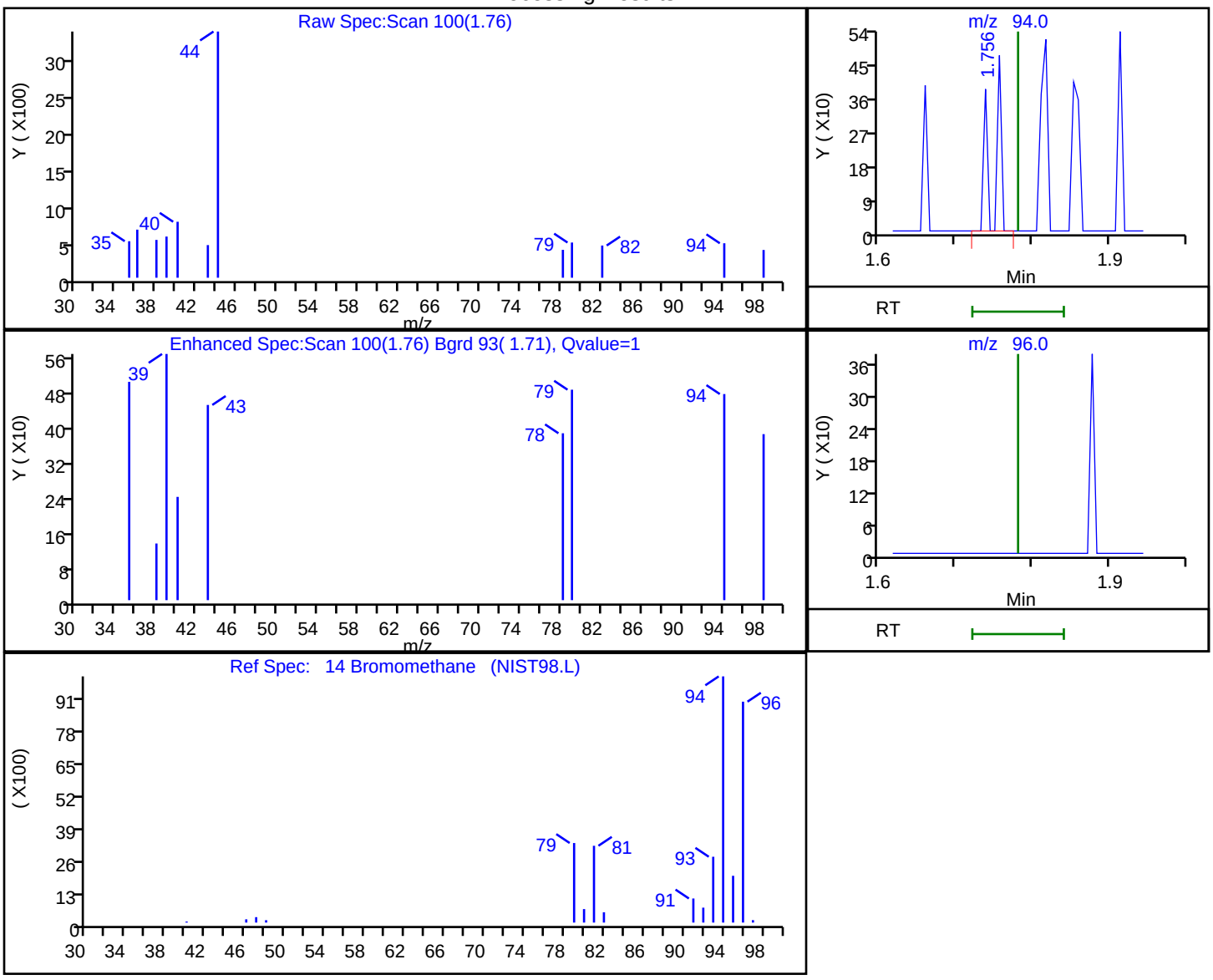
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0753.D				
Injection Date:	19-Aug-2020 17:50:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-22	Lab Sample ID:	480-173788-22		
Client ID:	442024-MW-106				
Operator ID:	AM	ALS Bottle#:	19	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.76	94.00	312	0.037221
1.78	96.00	0	

Reviewer: moffata, 20-Aug-2020 07:46:38

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

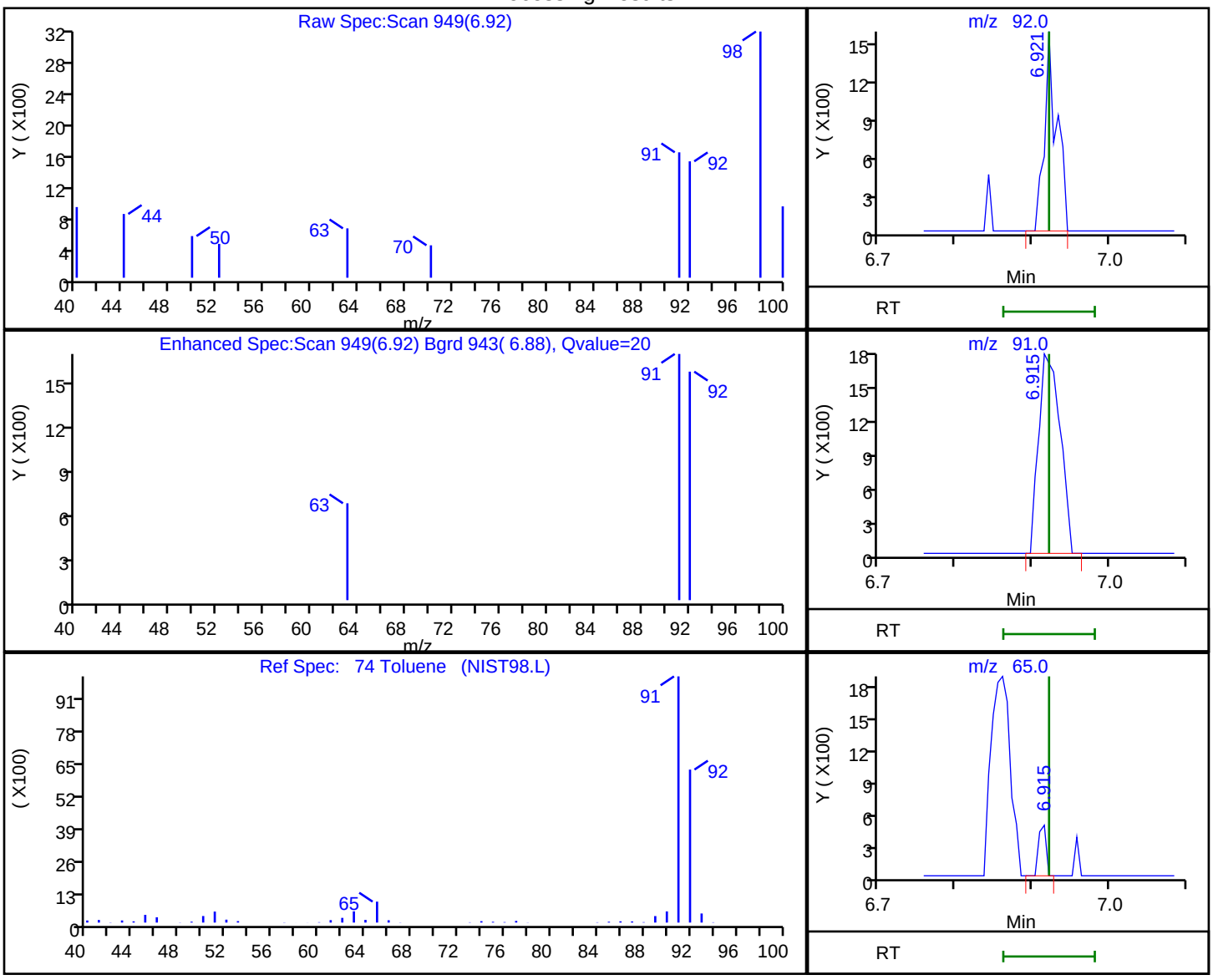
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0753.D				
Injection Date:	19-Aug-2020 17:50:30	Instrument ID:	HP5973S		
Lims ID:	480-173788-B-22	Lab Sample ID:	480-173788-22		
Client ID:	442024-MW-106				
Operator ID:	AM	ALS Bottle#:	19	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
6.92	92.00	1708	0.062822
6.92	91.00	3337	
6.92	65.00	317	

Reviewer: moffata, 20-Aug-2020 07:46:42

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6228.D
Lims ID: 480-173788-B-23
Client ID: 442024-FB-08102020
Sample Type: Client
Inject. Date: 17-Aug-2020 16:40:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-23
Misc. Info.: 480-0092795-022
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:58:22 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 08:58:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	133985	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.002	-0.001	90	518785	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.857	0.000	96	280616	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	92	164848	23.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	229640	25.4	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	96	599517	23.1	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	188804	22.4	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62		1.395				ND	
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.483	2.473	0.010	97	108873	29.3	
25 Carbon disulfide	76		2.545				ND	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96		3.861				ND	
44 2-Butanone (MEK)	43	3.903	3.893	0.011	96	10204	1.85	
50 Chloroform	83		4.120				ND	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78	4.494	4.494	0.000	43	15884	0.5927	
57 1,2-Dichloroethane	62		4.556				ND	
60 Trichloroethene	95		4.981				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	
73 Toluene	92	5.934	5.934	0.000	96	209666	11.6	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	
79 Tetrachloroethene	166		6.328				ND	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91	7.084	7.084	0.000	98	30708	0.9362	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	49373	3.82	
91 o-Xylene	106	7.489	7.499	-0.011	99	19006	1.47	
92 Styrene	104		7.520				ND	U
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1				0		5.29	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

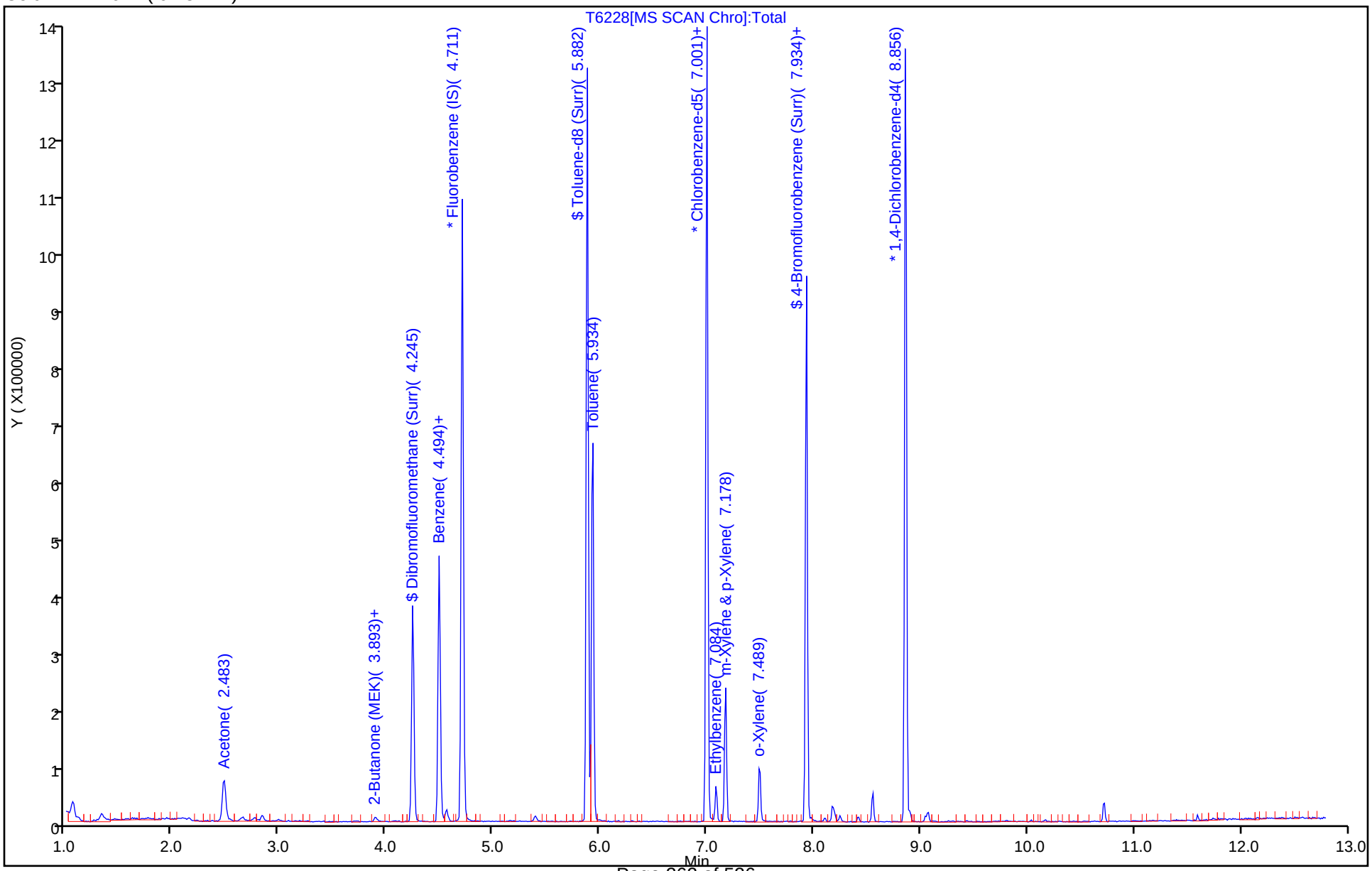
Report Date: 18-Aug-2020 08:58:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6228.D

Injection Date:	17-Aug-2020 16:40:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-23	Lab Sample ID:	480-173788-23	Worklist Smp#:	22
Client ID:	442024-FB-08102020				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

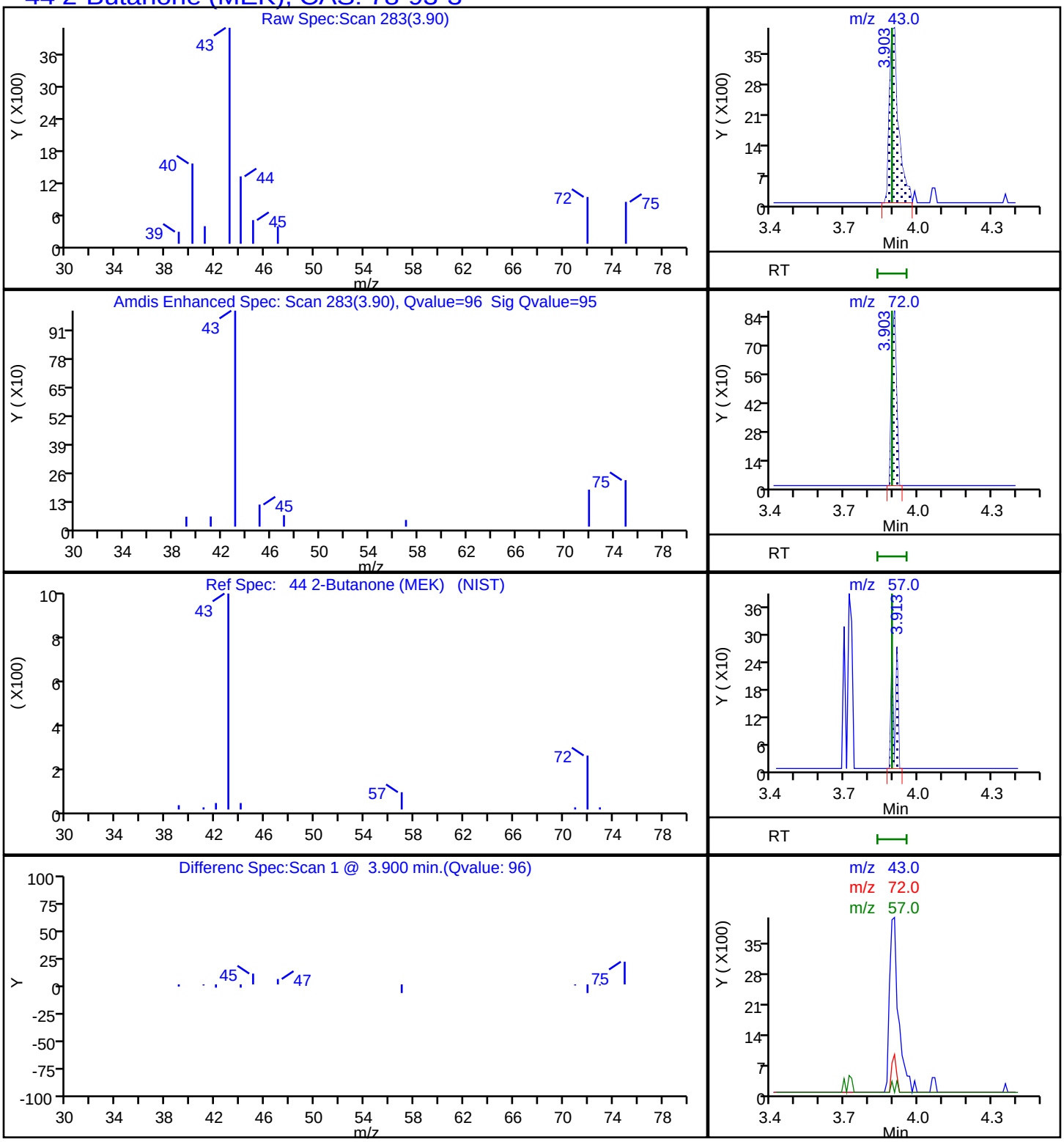


Report Date: 18-Aug-2020 08:58:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6228.D				
Injection Date:	17-Aug-2020 16:40:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-23	Lab Sample ID:	480-173788-23		
Client ID:	442024-FB-08102020				
Operator ID:	RF	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

44 2-Butanone (MEK), CAS: 78-93-3



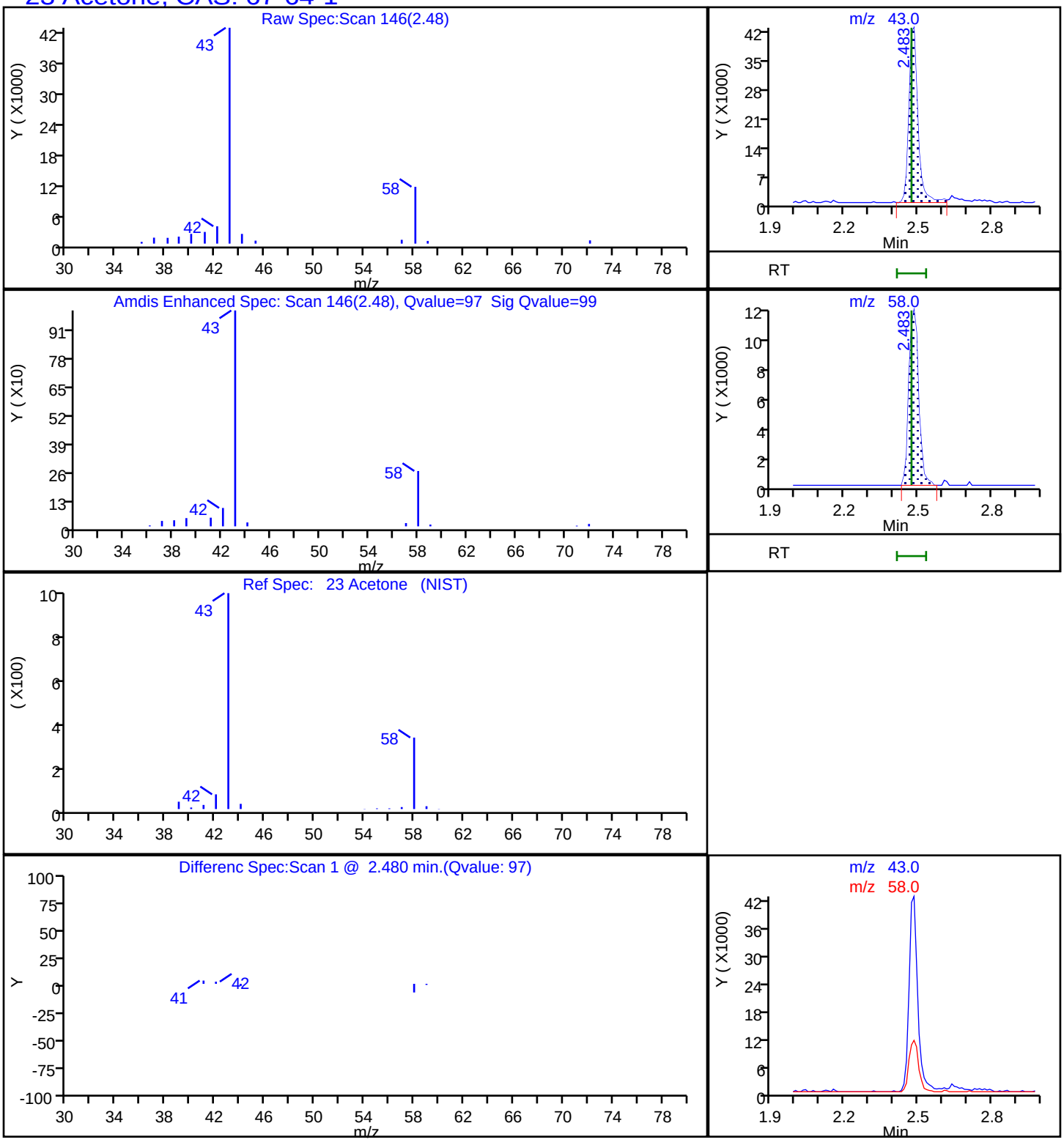
Report Date: 18-Aug-2020 08:58:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6228.D

Injection Date:	17-Aug-2020 16:40:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-23	Lab Sample ID:	480-173788-23
Client ID:	442024-FB-08102020		
Operator ID:	RF	ALS Bottle#:	21 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

23 Acetone, CAS: 67-64-1



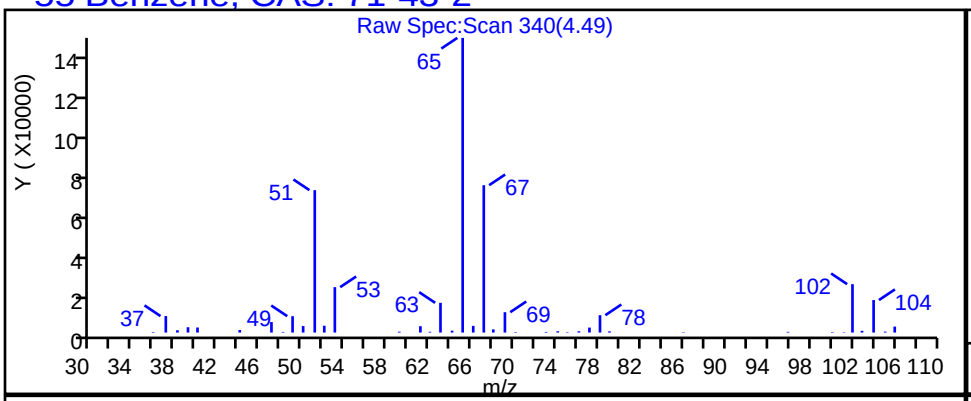
Report Date: 18-Aug-2020 08:58:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

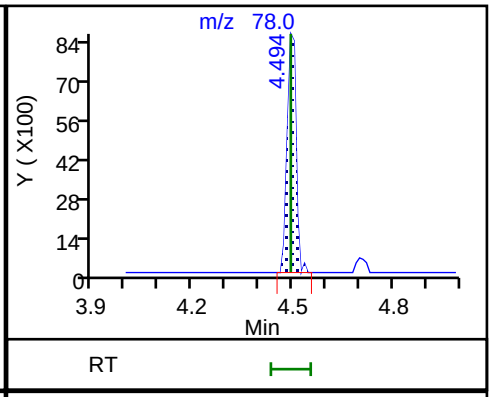
Eurofins TestAmerica, Buffalo

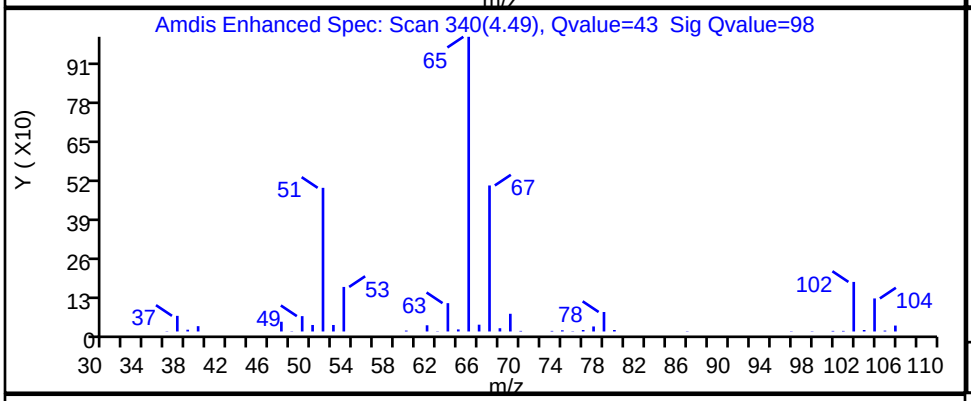
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6228.D

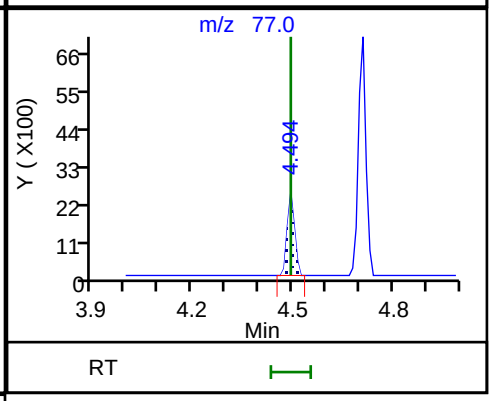
Injection Date:	17-Aug-2020 16:40:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-23	Lab Sample ID:	480-173788-23
Client ID:	442024-FB-08102020		
Operator ID:	RF	ALS Bottle#:	21 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

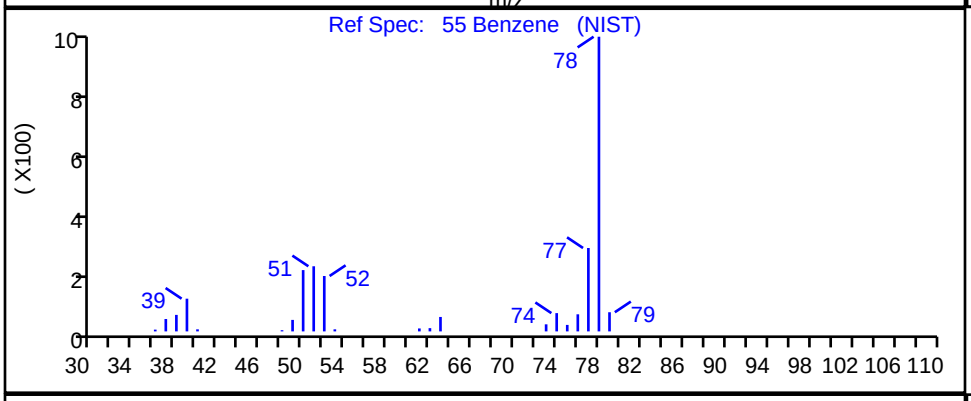
55 Benzene, CAS: 71-43-2

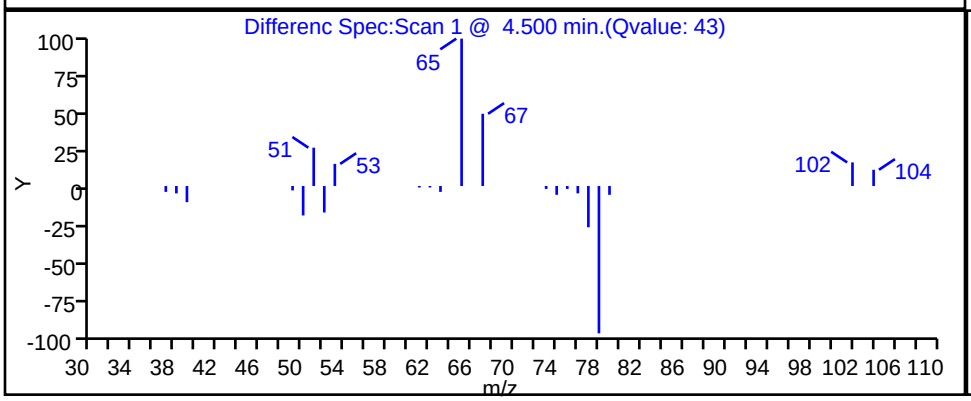


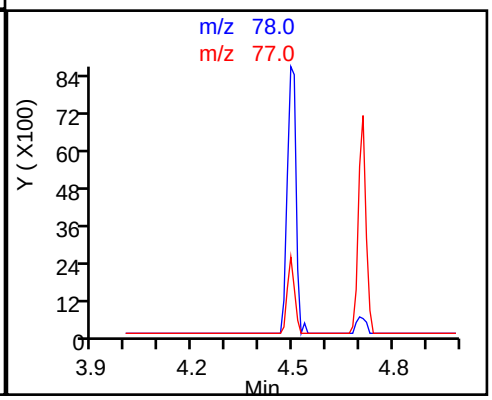












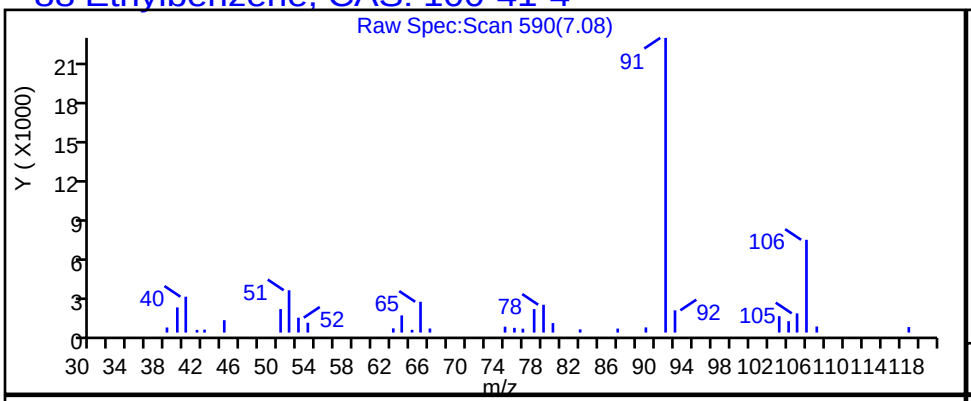
Report Date: 18-Aug-2020 08:58:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

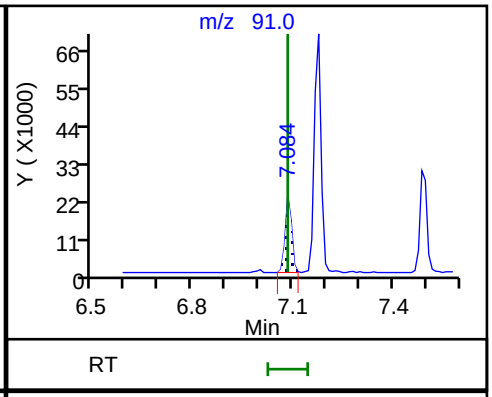
Eurofins TestAmerica, Buffalo

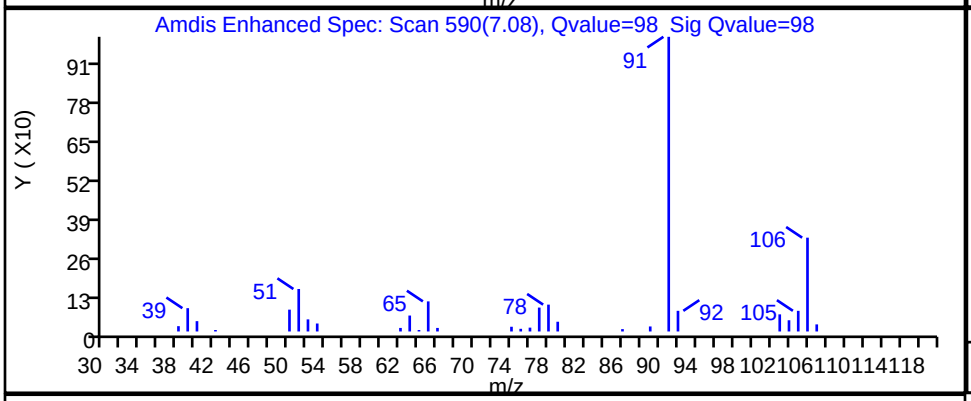
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6228.D

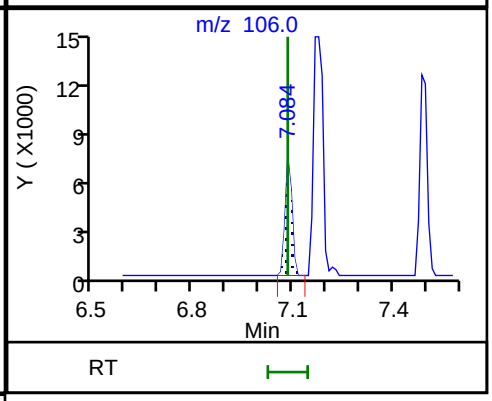
Injection Date:	17-Aug-2020 16:40:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-23	Lab Sample ID:	480-173788-23
Client ID:	442024-FB-08102020		
Operator ID:	RF	ALS Bottle#:	21 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

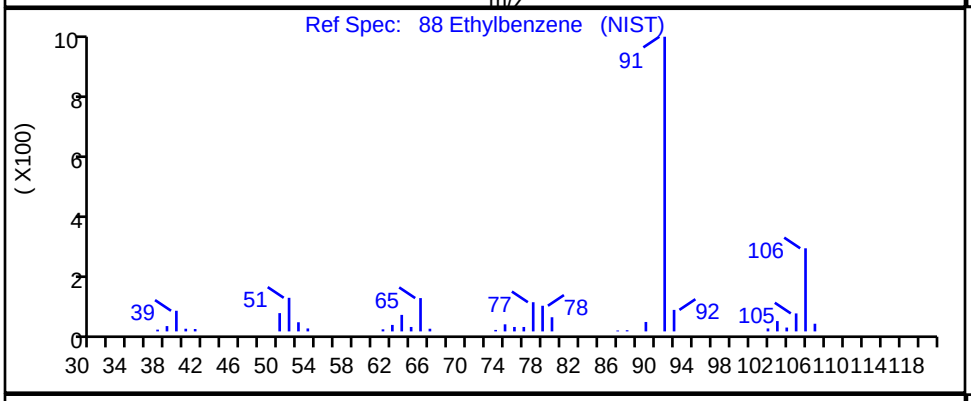
88 Ethylbenzene, CAS: 100-41-4

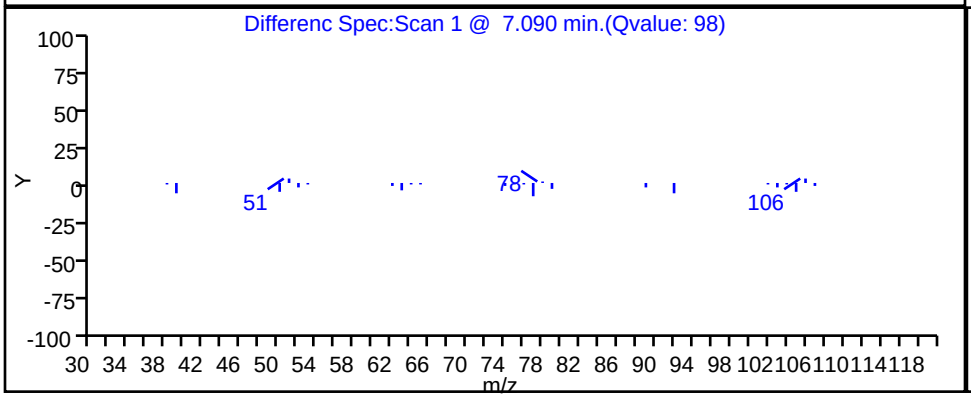


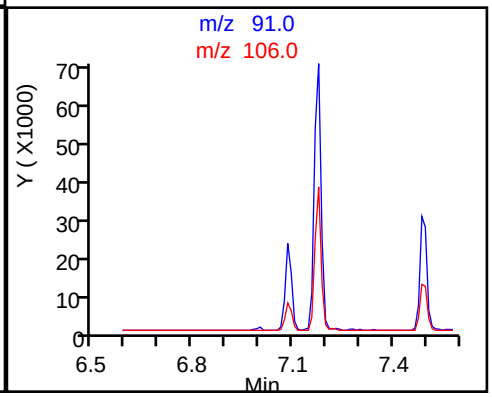












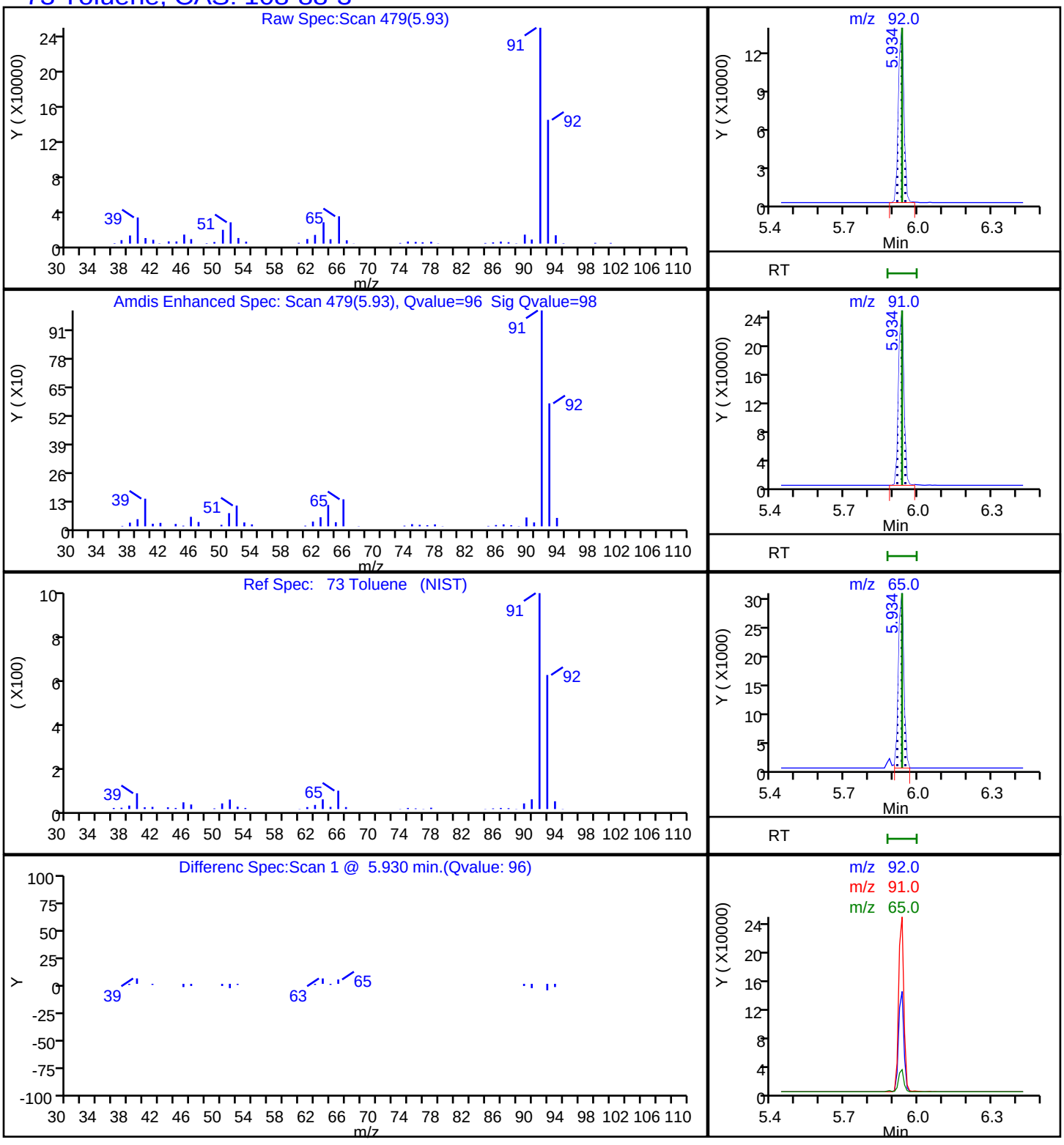
Report Date: 18-Aug-2020 08:58:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6228.D

Injection Date:	17-Aug-2020 16:40:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-23	Lab Sample ID:	480-173788-23
Client ID:	442024-FB-08102020		
Operator ID:	RF	ALS Bottle#:	21 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

73 Toluene, CAS: 108-88-3



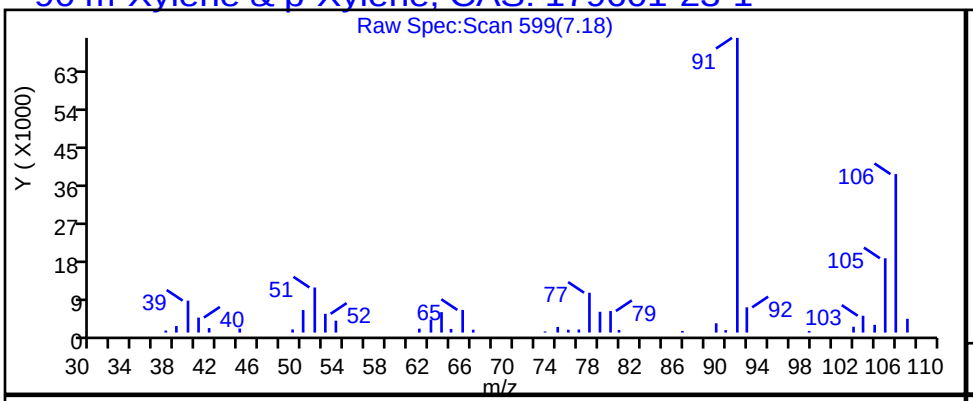
Report Date: 18-Aug-2020 08:58:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

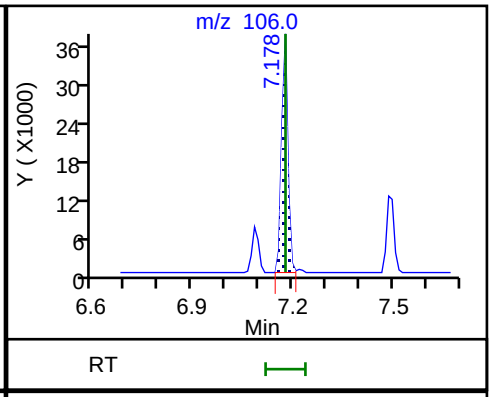
Eurofins TestAmerica, Buffalo

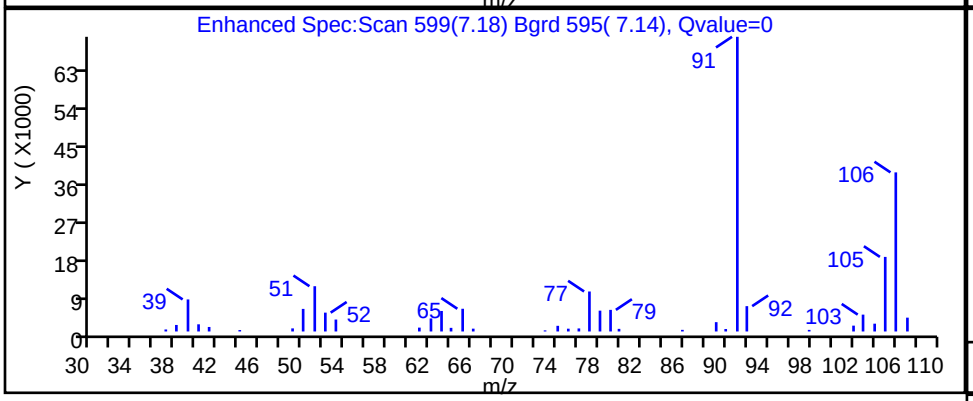
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6228.D

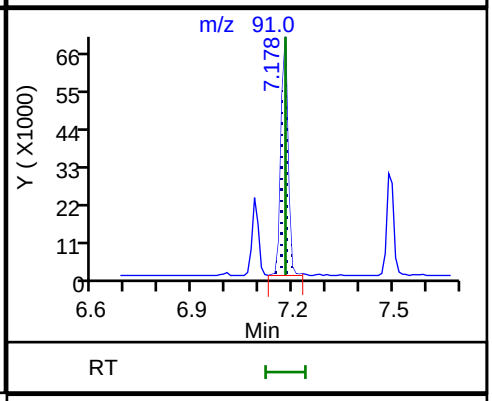
Injection Date:	17-Aug-2020 16:40:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-23	Lab Sample ID:	480-173788-23		
Client ID:	442024-FB-08102020				
Operator ID:	RF	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

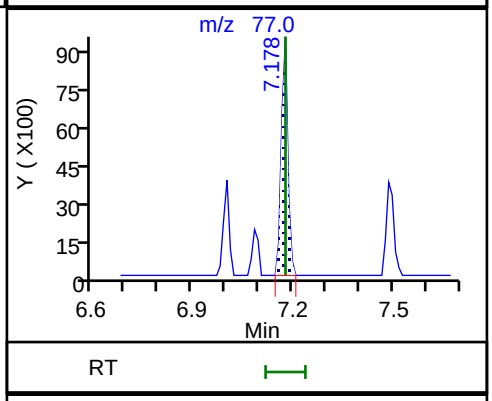
90 m-Xylene & p-Xylene, CAS: 179601-23-1

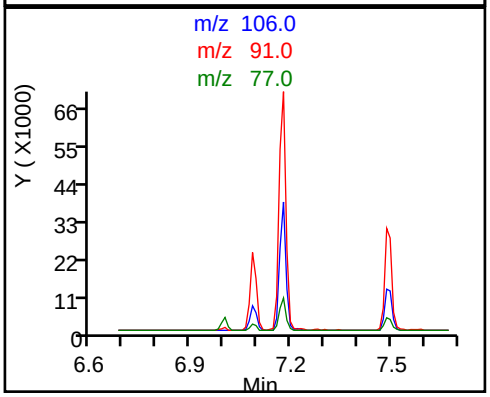










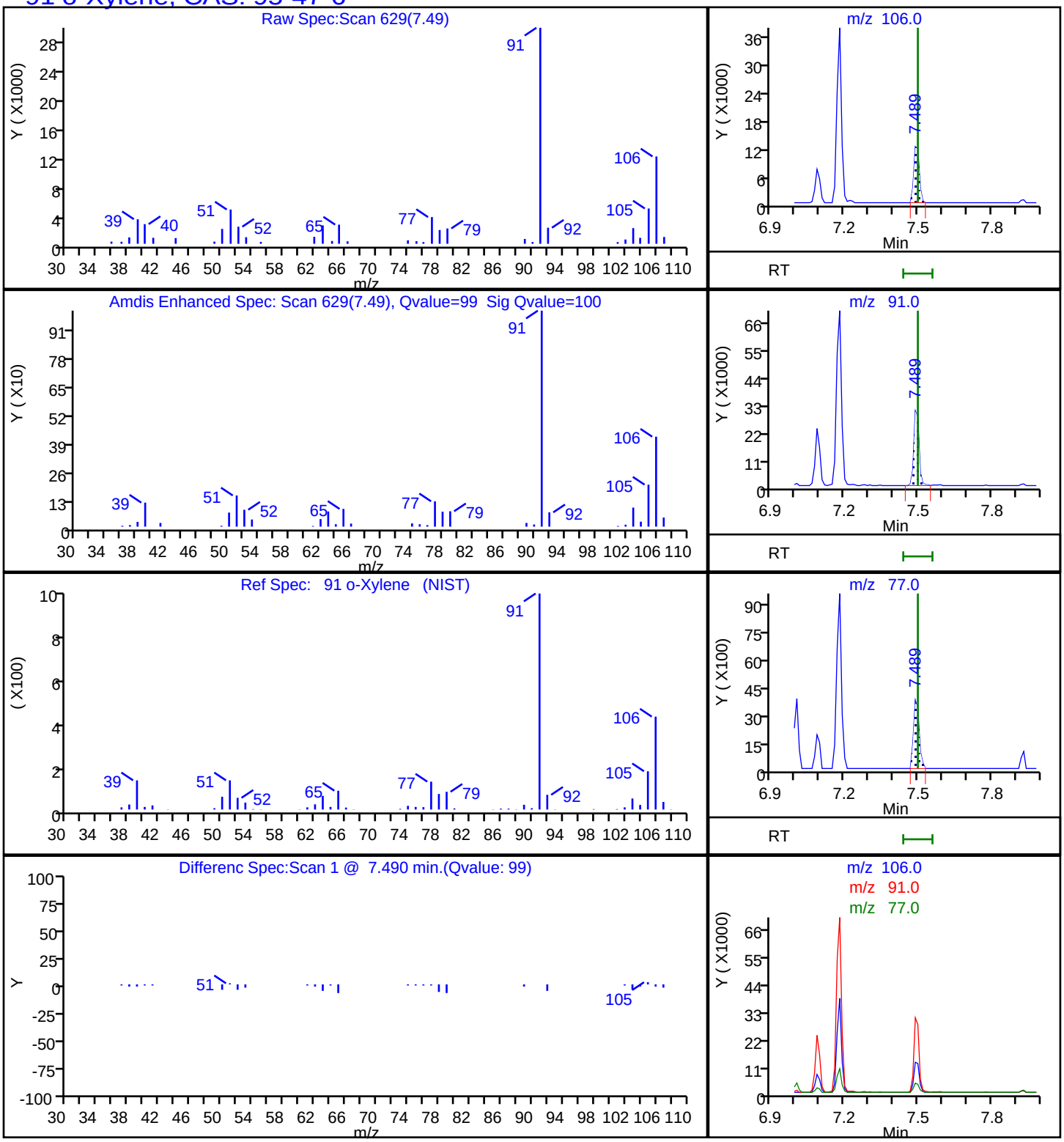


Report Date: 18-Aug-2020 08:58:22 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6228.D				
Injection Date:	17-Aug-2020 16:40:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-23	Lab Sample ID:	480-173788-23		
Client ID:	442024-FB-08102020				
Operator ID:	RF	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6



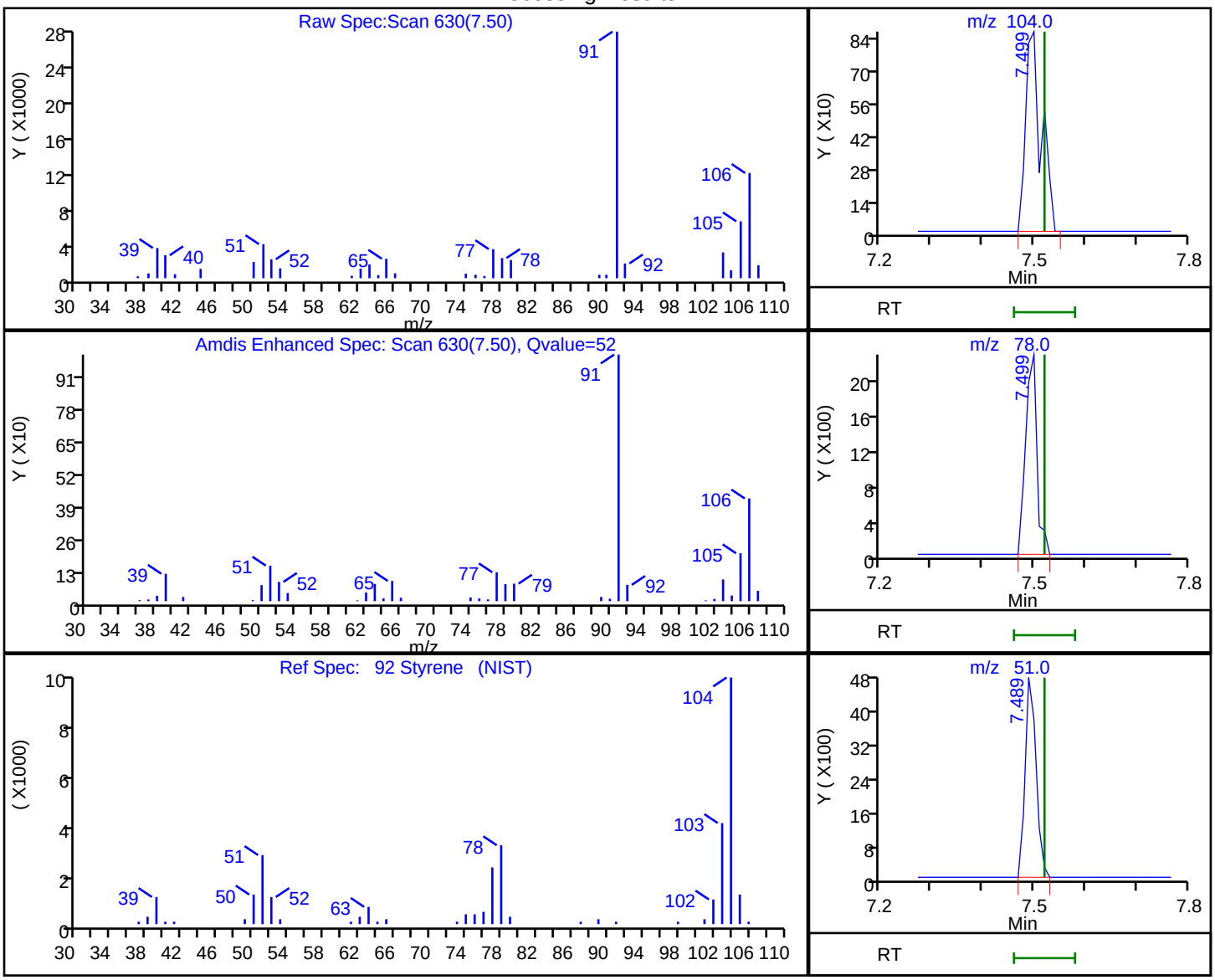
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6228.D				
Injection Date:	17-Aug-2020 16:40:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-23	Lab Sample ID:	480-173788-23		
Client ID:	442024-FB-08102020				
Operator ID:	RF	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
7.50	104.00	1851	0.086933
7.50	78.00	3430	
7.49	51.00	7088	

Reviewer: farrellr, 18-Aug-2020 08:58:16

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6229.D
Lims ID: 480-173788-B-24
Client ID: 442024-MW-103A
Sample Type: Client
Inject. Date: 17-Aug-2020 17:04:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 480-173788-b-24
Misc. Info.: 480-0092795-023
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:59:06 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 08:59:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	129446	25.0	
* 2 Chlorobenzene-d5	117	7.002	7.002	0.000	89	523866	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.857	8.857	0.001	96	292834	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	178081	26.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	234288	26.9	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	96	599309	22.9	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	184842	21.7	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62		1.395				ND	
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.494	2.473	0.021	87	2966	0.8250	
25 Carbon disulfide	76		2.545				ND	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96	3.862	3.861	0.001	85	34382	4.69	
44 2-Butanone (MEK)	43		3.893				ND	
50 Chloroform	83	4.121	4.120	0.001	94	2561	0.1971	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.556				ND	
60 Trichloroethene	95	4.981	4.981	0.000	89	14412	2.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	
73 Toluene	92		5.934				ND	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	U
79 Tetrachloroethene	166	6.338	6.328	0.010	96	348735	40.7	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91		7.084				ND	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.499				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

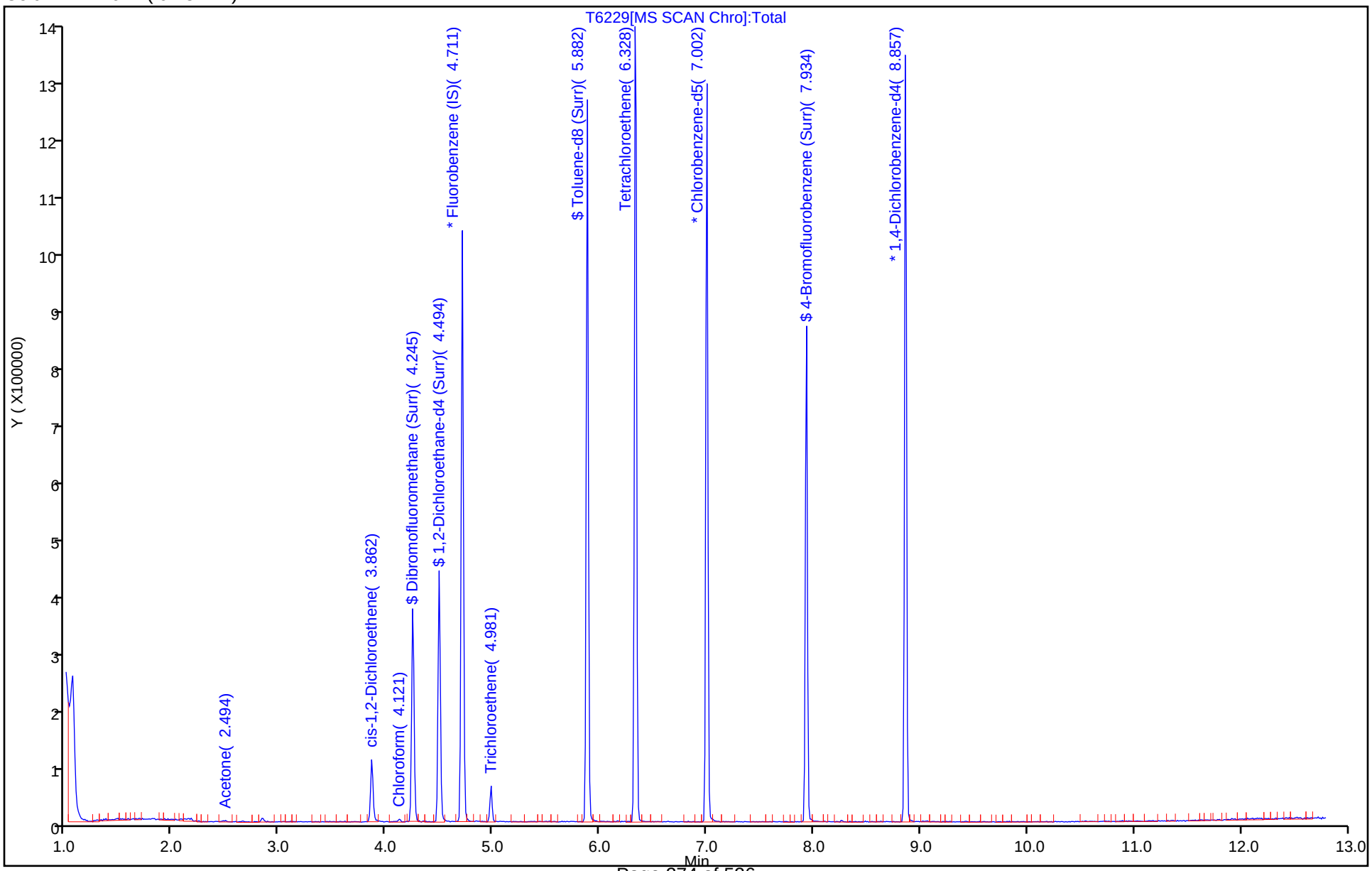
Report Date: 18-Aug-2020 08:59:06 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6229.D

Injection Date:	17-Aug-2020 17:04:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-24	Lab Sample ID:	480-173788-24	Worklist Smp#:	23
Client ID:	442024-MW-103A				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	22
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

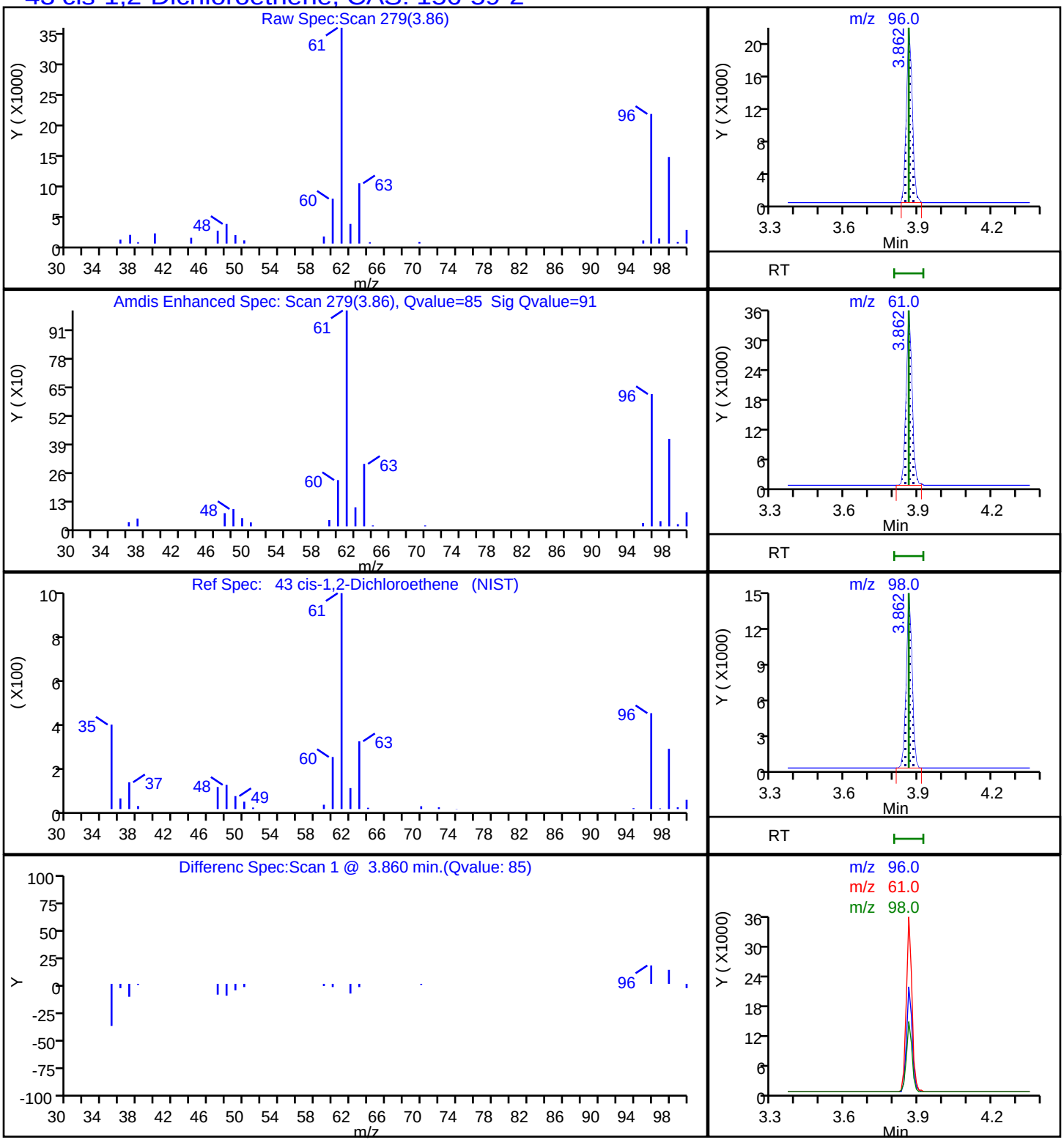


Report Date: 18-Aug-2020 08:59:06 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6229.D				
Injection Date:	17-Aug-2020 17:04:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-24	Lab Sample ID:	480-173788-24		
Client ID:	442024-MW-103A				
Operator ID:	RF	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2



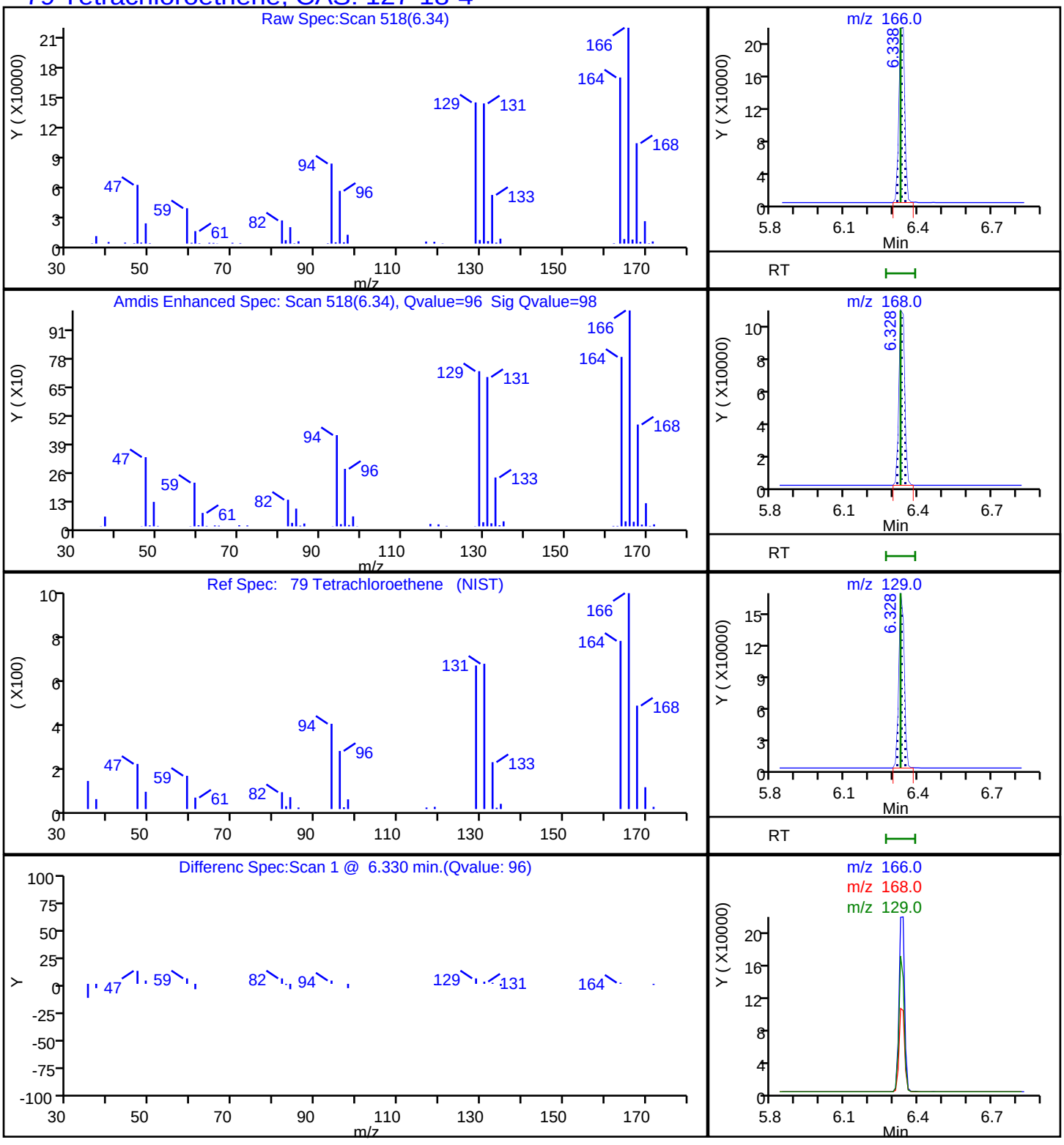
Report Date: 18-Aug-2020 08:59:06 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6229.D

Injection Date:	17-Aug-2020 17:04:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-24	Lab Sample ID:	480-173788-24
Client ID:	442024-MW-103A		
Operator ID:	RF	ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

79 Tetrachloroethene, CAS: 127-18-4

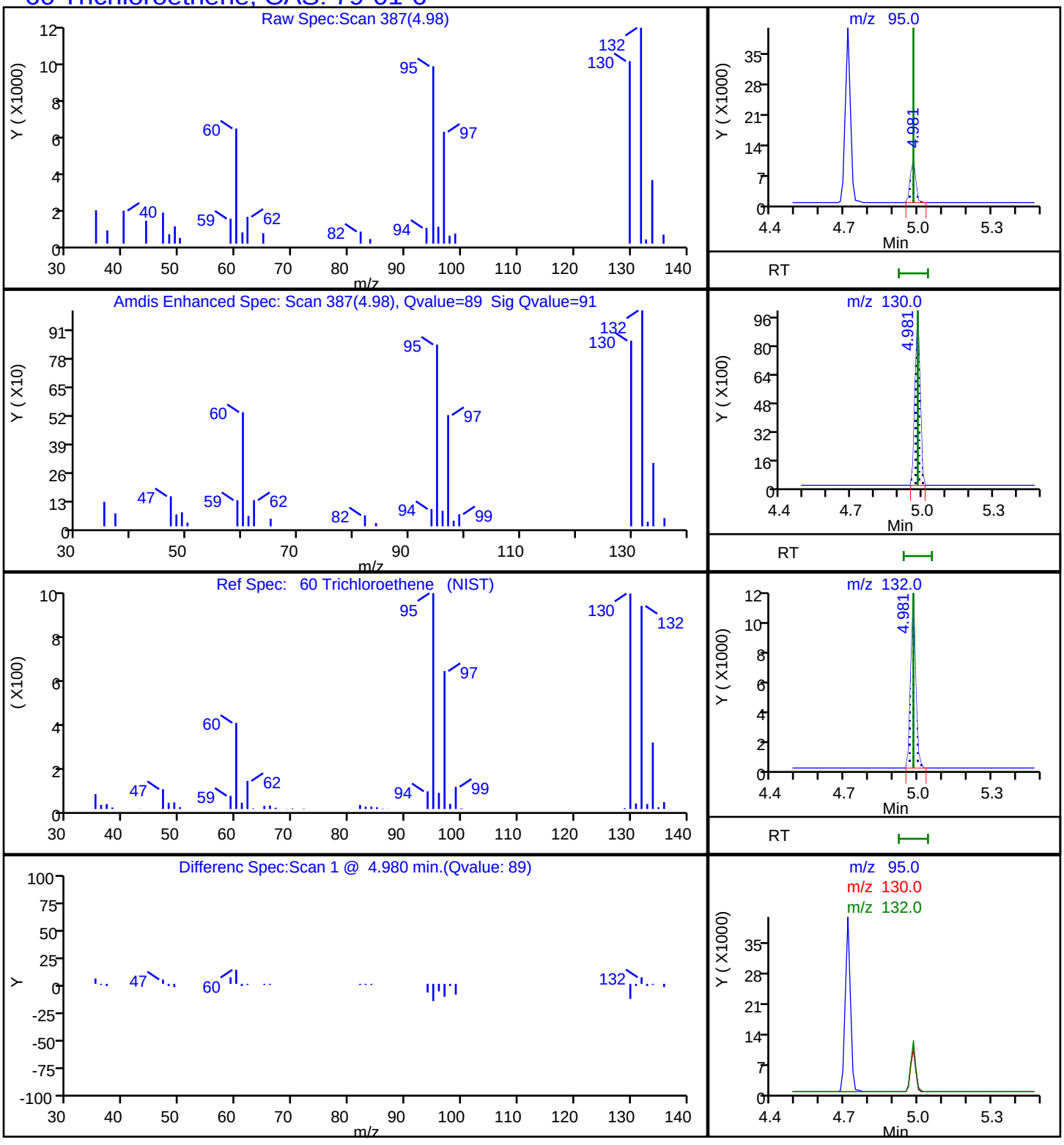


Report Date: 18-Aug-2020 08:59:06 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6229.D				
Injection Date:	17-Aug-2020 17:04:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-24	Lab Sample ID:	480-173788-24		
Client ID:	442024-MW-103A				
Operator ID:	RF	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6



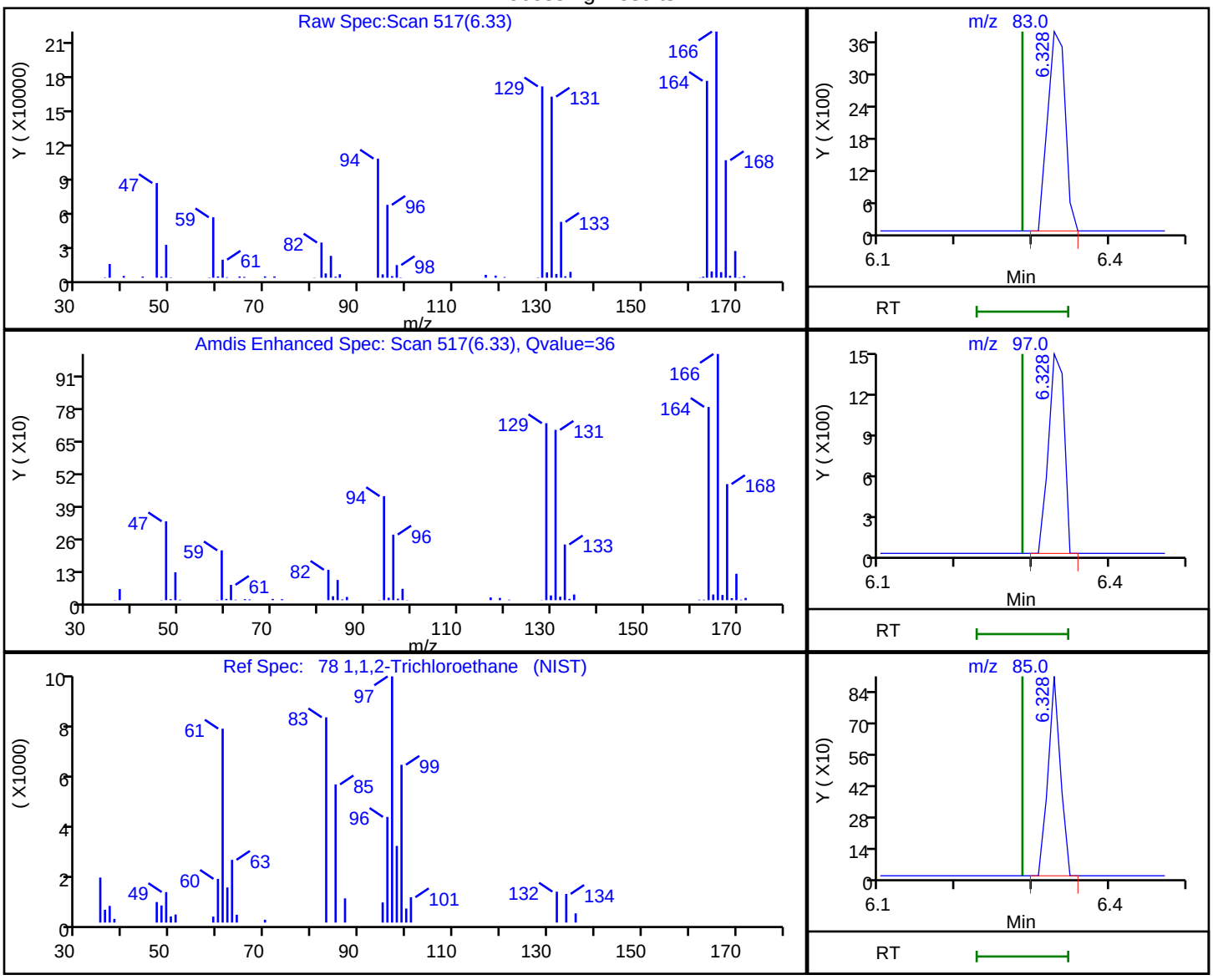
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6229.D				
Injection Date:	17-Aug-2020 17:04:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-24	Lab Sample ID:	480-173788-24		
Client ID:	442024-MW-103A				
Operator ID:	RF	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.33	83.00	5997	0.995744
6.33	97.00	2014	
6.33	85.00	1008	

Reviewer: farrellr, 18-Aug-2020 08:58:56

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6230.D
Lims ID: 480-173788-B-25
Client ID: 442024-MW-105A
Sample Type: Client
Inject. Date: 17-Aug-2020 17:28:30 ALS Bottle#: 23 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-b-25
Misc. Info.: 480-0092795-026
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:59:06 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 08:59:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	123830	25.0	
* 2 Chlorobenzene-d5	117	7.002	7.002	0.000	90	511721	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.857	8.857	0.000	96	284160	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	165316	25.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	231064	27.7	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	587559	23.0	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	185481	22.3	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62		1.395				ND	
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.473	2.473	0.000	97	7544	2.19	
25 Carbon disulfide	76		2.545				ND	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96	3.862	3.861	0.001	83	2262	0.3226	
44 2-Butanone (MEK)	43		3.893				ND	
50 Chloroform	83		4.120				ND	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.556				ND	
60 Trichloroethene	95	4.970	4.981	-0.011	88	1155	0.1746	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	
73 Toluene	92	5.924	5.934	-0.010	97	1182882	66.3	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	
79 Tetrachloroethene	166		6.328				ND	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91	7.084	7.084	0.000	95	5256	0.1624	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.499				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

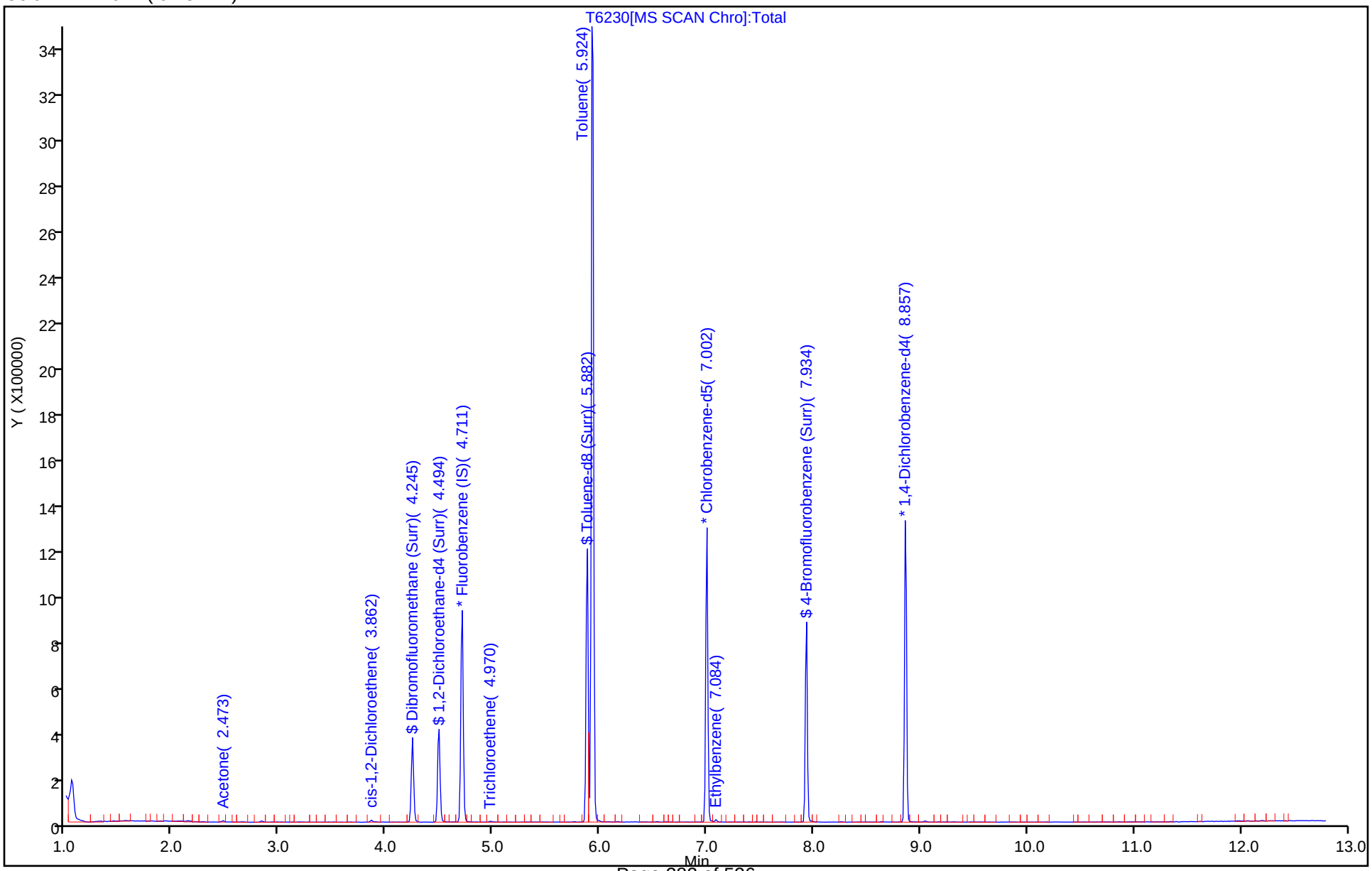
Report Date: 18-Aug-2020 08:59:33 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6230.D

Injection Date:	17-Aug-2020 17:28:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-25	Lab Sample ID:	480-173788-25	Worklist Smp#:	26
Client ID:	442024-MW-105A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



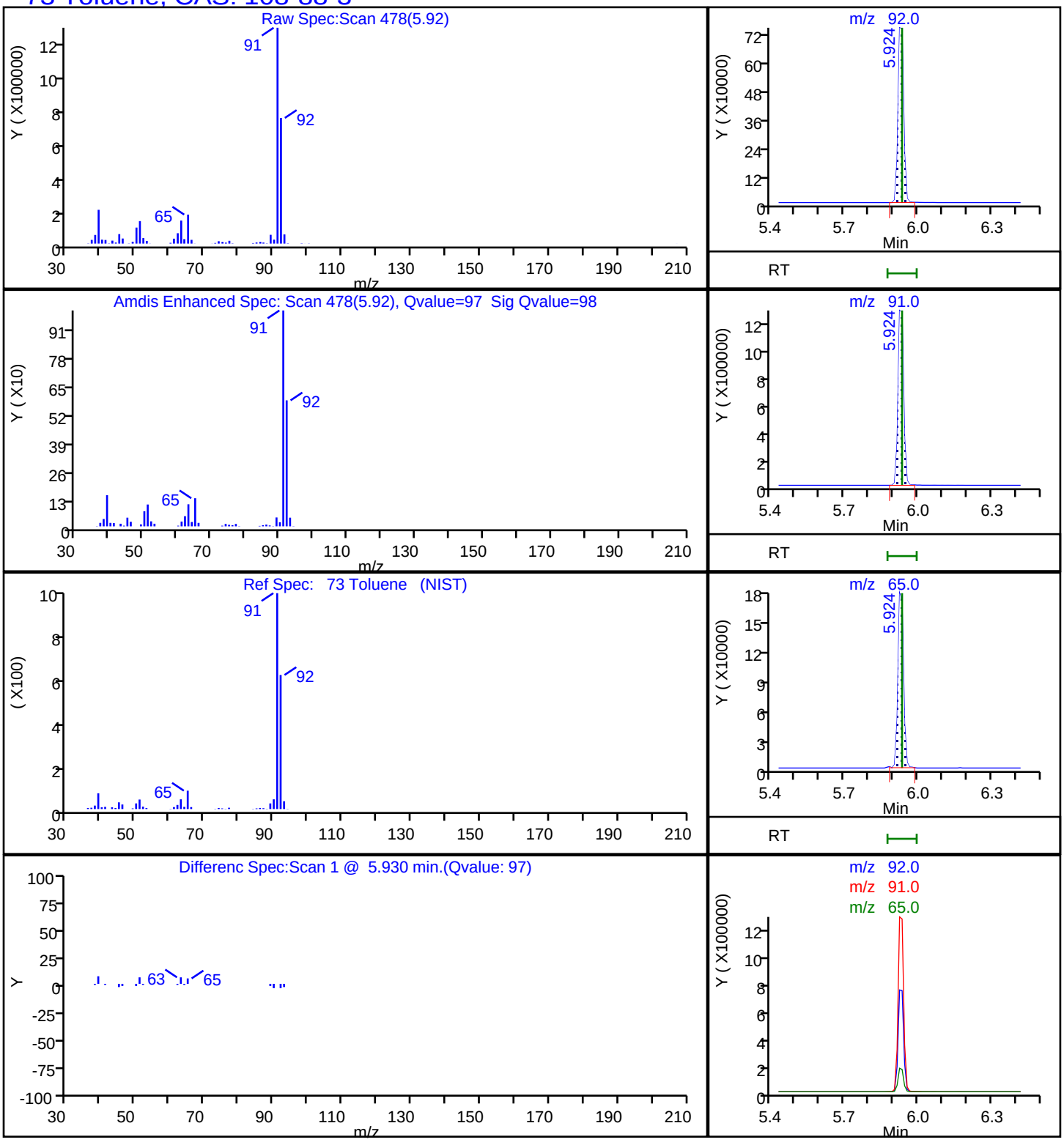
Report Date: 18-Aug-2020 08:59:33 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6230.D

Injection Date:	17-Aug-2020 17:28:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-25	Lab Sample ID:	480-173788-25		
Client ID:	442024-MW-105A				
Operator ID:	RF	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 Toluene, CAS: 108-88-3



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6231.D
Lims ID: 480-173788-B-26
Client ID: 442024-FD-08102020
Sample Type: Client
Inject. Date: 17-Aug-2020 17:51:30 ALS Bottle#: 24 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-26
Misc. Info.: 480-0092795-027
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:59:06 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 08:59:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	130760	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.002	-0.001	91	498381	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.857	0.000	96	281247	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	172780	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	230593	26.2	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	96	590397	23.7	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	184139	22.8	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62		1.395				ND	
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.483	2.473	0.010	73	4246	1.17	
25 Carbon disulfide	76		2.545				ND	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96		3.861				ND	
44 2-Butanone (MEK)	43		3.893				ND	
50 Chloroform	83	4.120	4.120	0.000	95	26207	2.00	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.556				ND	
60 Trichloroethene	95		4.981				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	
73 Toluene	92		5.934				ND	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	
79 Tetrachloroethene	166	6.328	6.328	0.000	95	32706	4.01	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91		7.084				ND	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.499				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

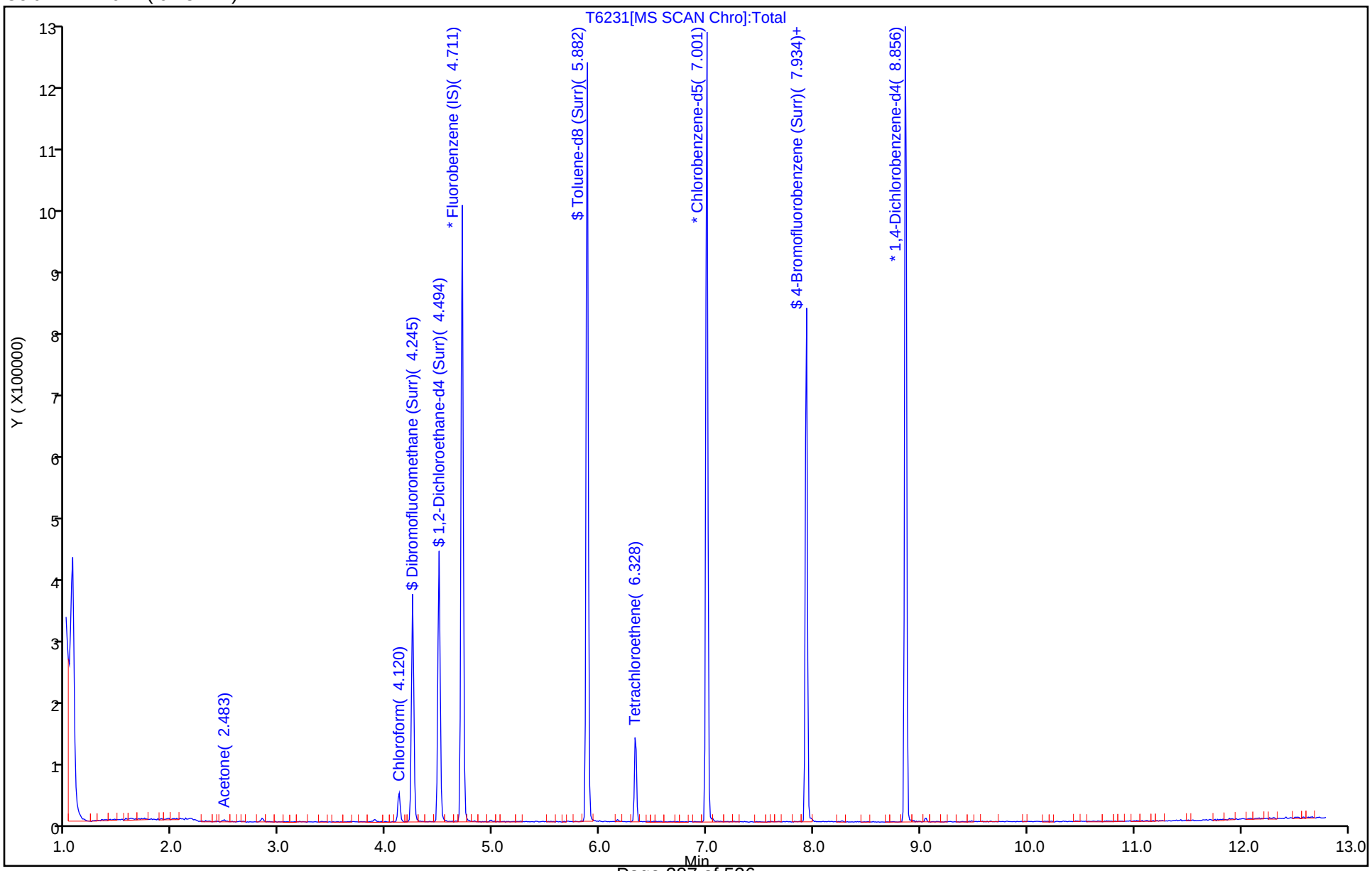
Report Date: 18-Aug-2020 08:59:59 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6231.D

Injection Date:	17-Aug-2020 17:51:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-26	Lab Sample ID:	480-173788-26	Worklist Smp#:	27
Client ID:	442024-FD-08102020				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



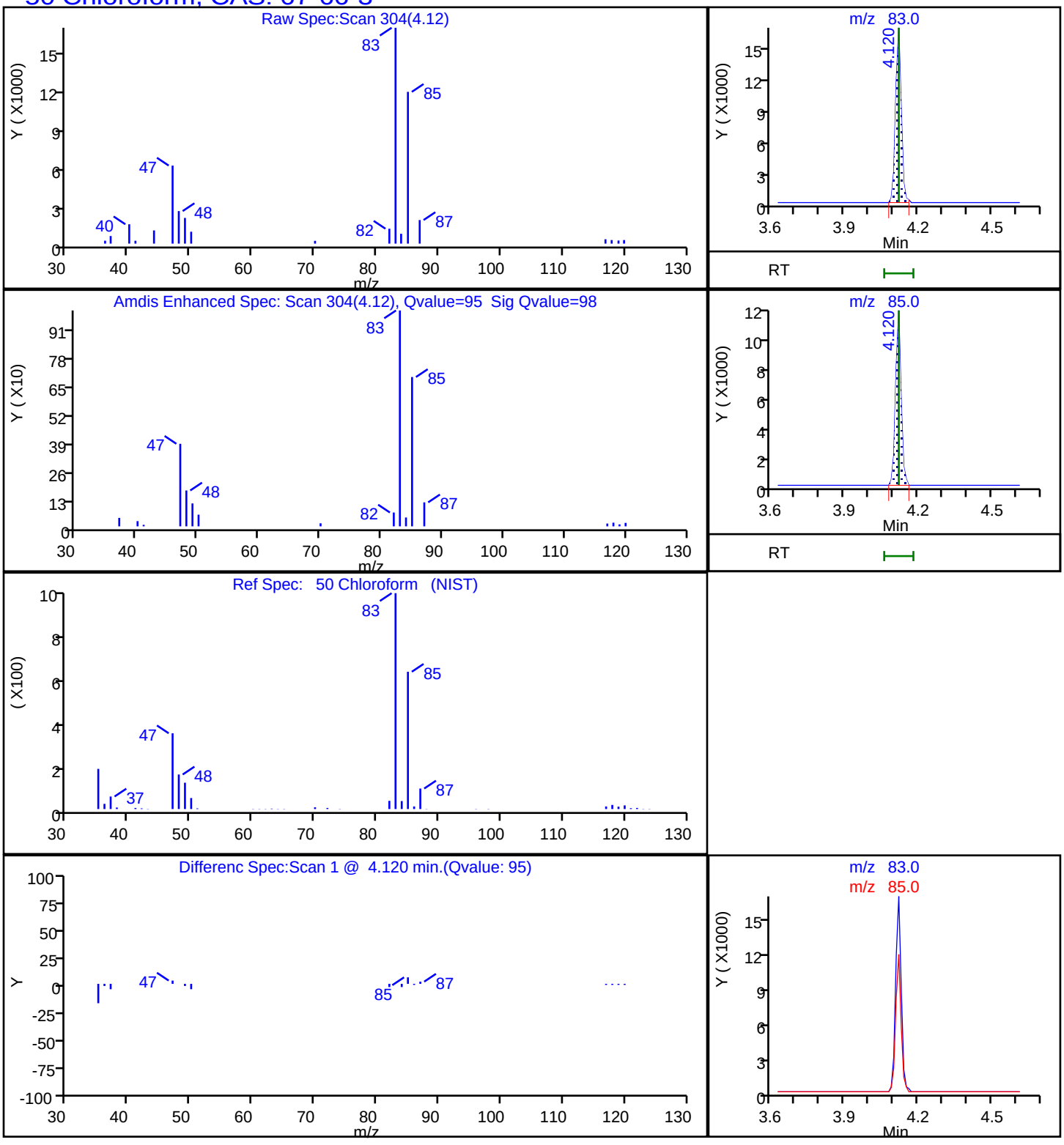
Report Date: 18-Aug-2020 08:59:59 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6231.D

Injection Date:	17-Aug-2020 17:51:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-26	Lab Sample ID:	480-173788-26		
Client ID:	442024-FD-08102020				
Operator ID:	RF	ALS Bottle#:	24	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3



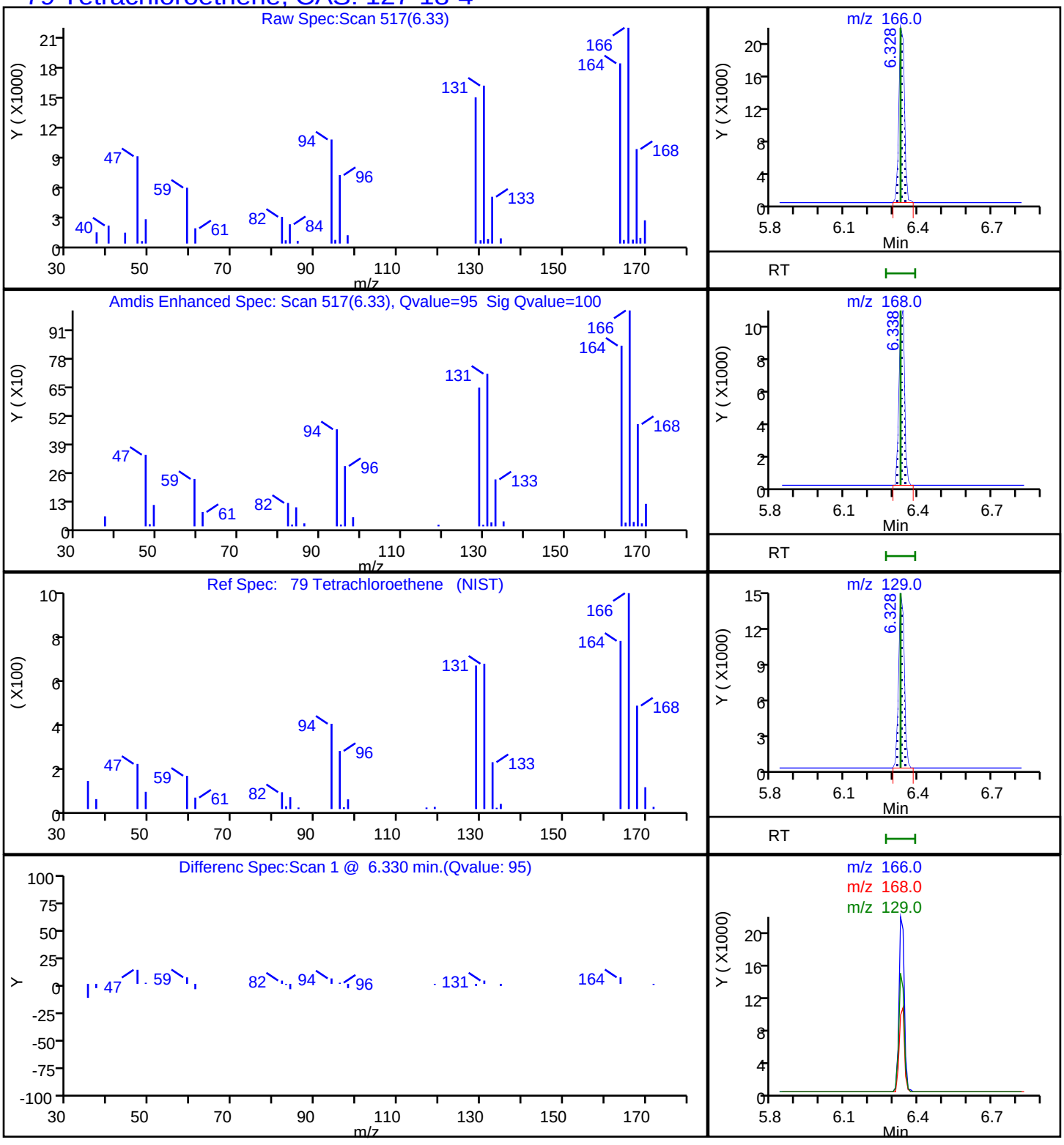
Report Date: 18-Aug-2020 08:59:59 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6231.D

Injection Date:	17-Aug-2020 17:51:30	Instrument ID:	HP5975T
Lims ID:	480-173788-B-26	Lab Sample ID:	480-173788-26
Client ID:	442024-FD-08102020		
Operator ID:	RF	ALS Bottle#:	24 Worklist Smp#: 27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

79 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6232.D
Lims ID: 480-173788-B-27
Client ID: 442024-MW-111
Sample Type: Client
Inject. Date: 17-Aug-2020 18:15:30 ALS Bottle#: 25 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-b-27
Misc. Info.: 480-0092795-028
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:59:06 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 09:00:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	129340	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.002	-0.001	91	465606	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.857	0.000	96	284282	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	177148	26.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	233911	26.8	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	594746	25.6	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	181420	24.0	
11 Dichlorodifluoromethane	85		1.167				ND	
13 Chloromethane	50		1.322				ND	
14 Vinyl chloride	62		1.395				ND	
15 Bromomethane	94		1.654				ND	
16 Chloroethane	64		1.716				ND	
17 Trichlorofluoromethane	101		1.934				ND	
22 1,1-Dichloroethene	96		2.369				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.473	2.473	0.000	71	5009	1.39	
25 Carbon disulfide	76		2.545				ND	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.395				ND	
43 cis-1,2-Dichloroethene	96		3.861				ND	
44 2-Butanone (MEK)	43		3.893				ND	
50 Chloroform	83	4.120	4.120	0.000	96	27589	2.13	
52 Cyclohexane	56		4.214				ND	
51 1,1,1-Trichloroethane	97		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.556				ND	
60 Trichloroethene	95		4.981				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.074				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.716				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	
73 Toluene	92		5.934				ND	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	
79 Tetrachloroethene	166	6.338	6.328	0.010	96	32202	4.22	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91		7.084				ND	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.499				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.090				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

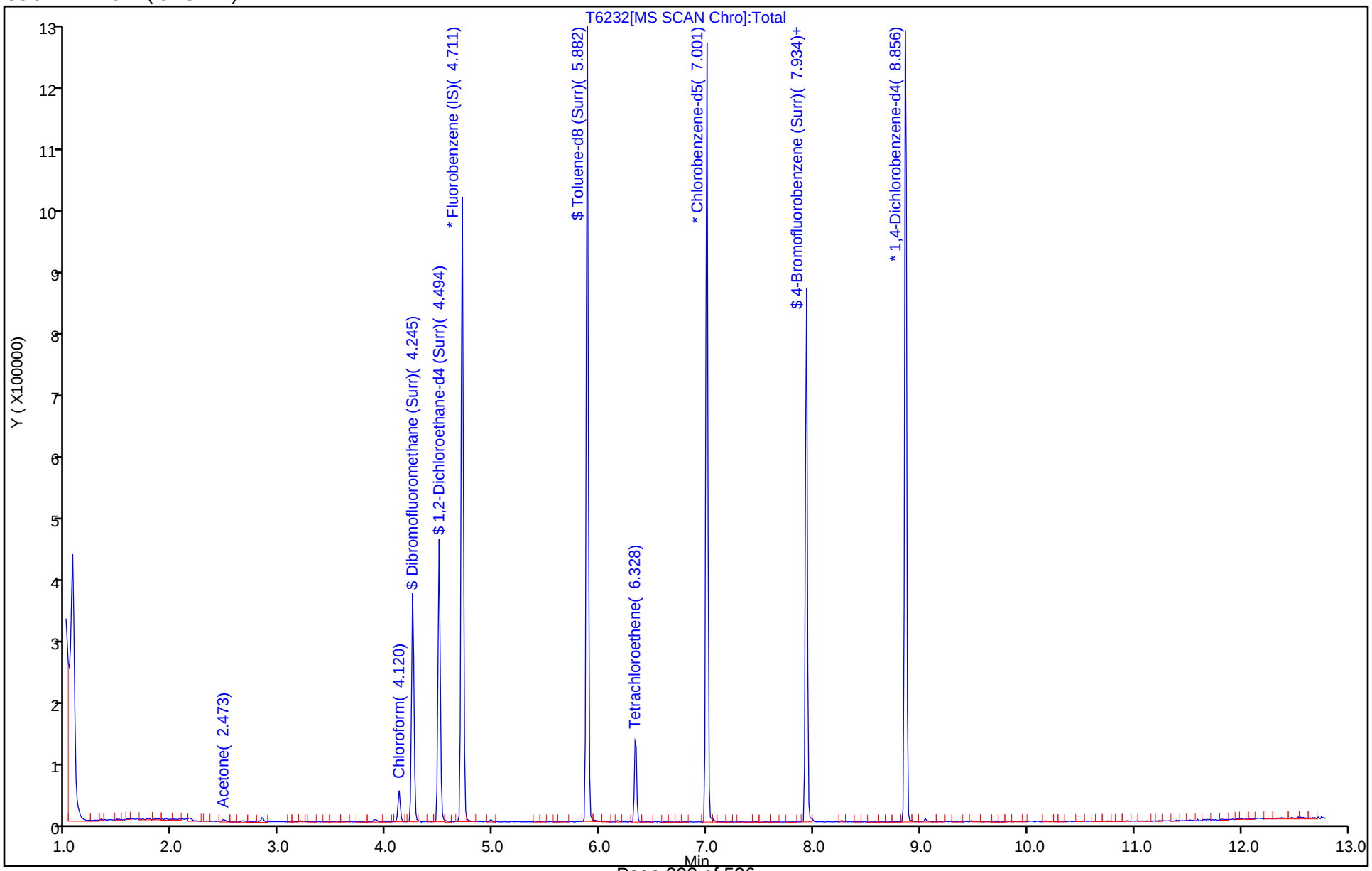
Report Date: 18-Aug-2020 09:00:21 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6232.D

Injection Date:	17-Aug-2020 18:15:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-B-27	Lab Sample ID:	480-173788-27	Worklist Smp#:	28
Client ID:	442024-MW-111				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Report Date: 18-Aug-2020 09:00:21 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6232.D

Injection Date: 17-Aug-2020 18:15:30 Instrument ID: HP5975T

Lims ID: 480-173788-B-27 Lab Sample ID: 480-173788-27

Client ID: 442024-MW-111

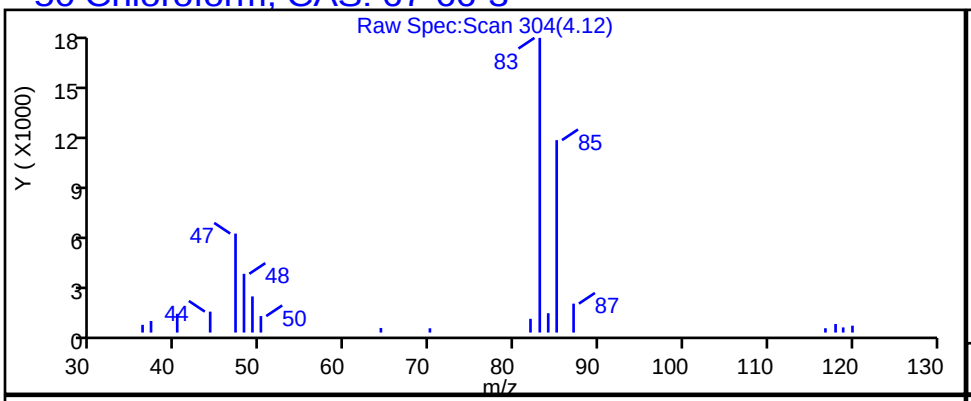
Operator ID: RF ALS Bottle#: 25 Worklist Smp#: 28

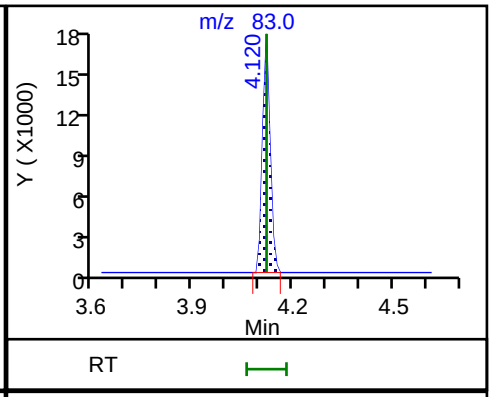
Purge Vol: 5.000 mL Dil. Factor: 1.0000

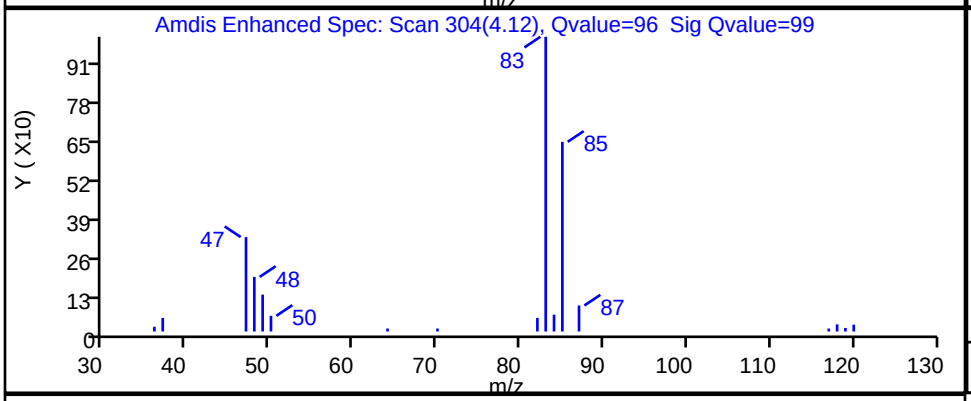
Method: T-8260 Limit Group: MV - 8260C ICAL

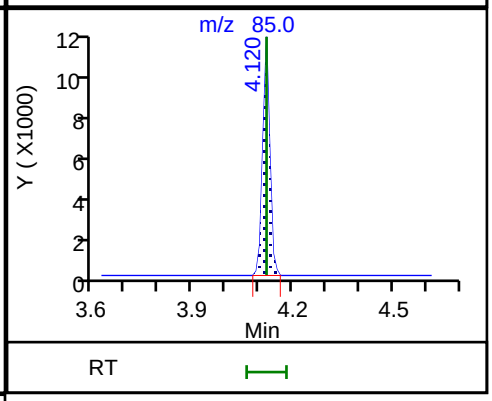
Column: ZB-624 (0.18 mm) Detector MS SCAN

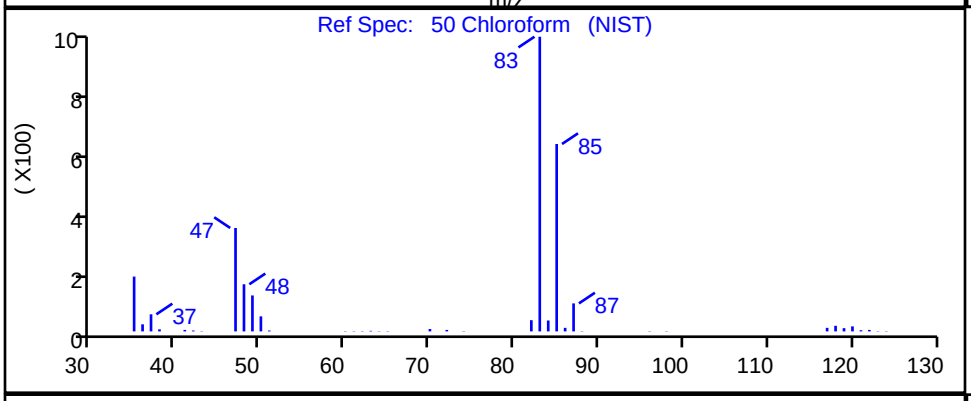
50 Chloroform, CAS: 67-66-3

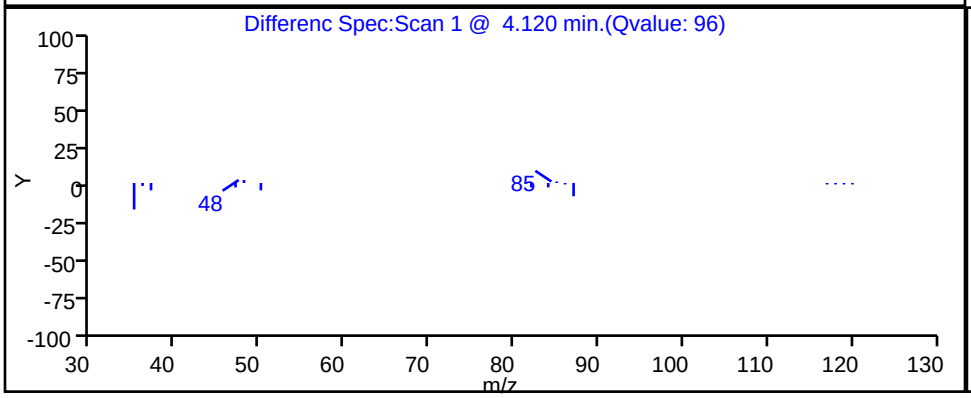


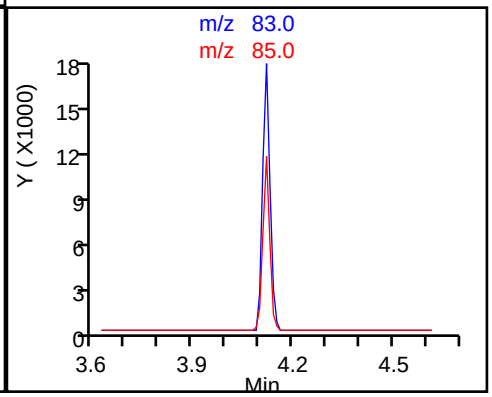












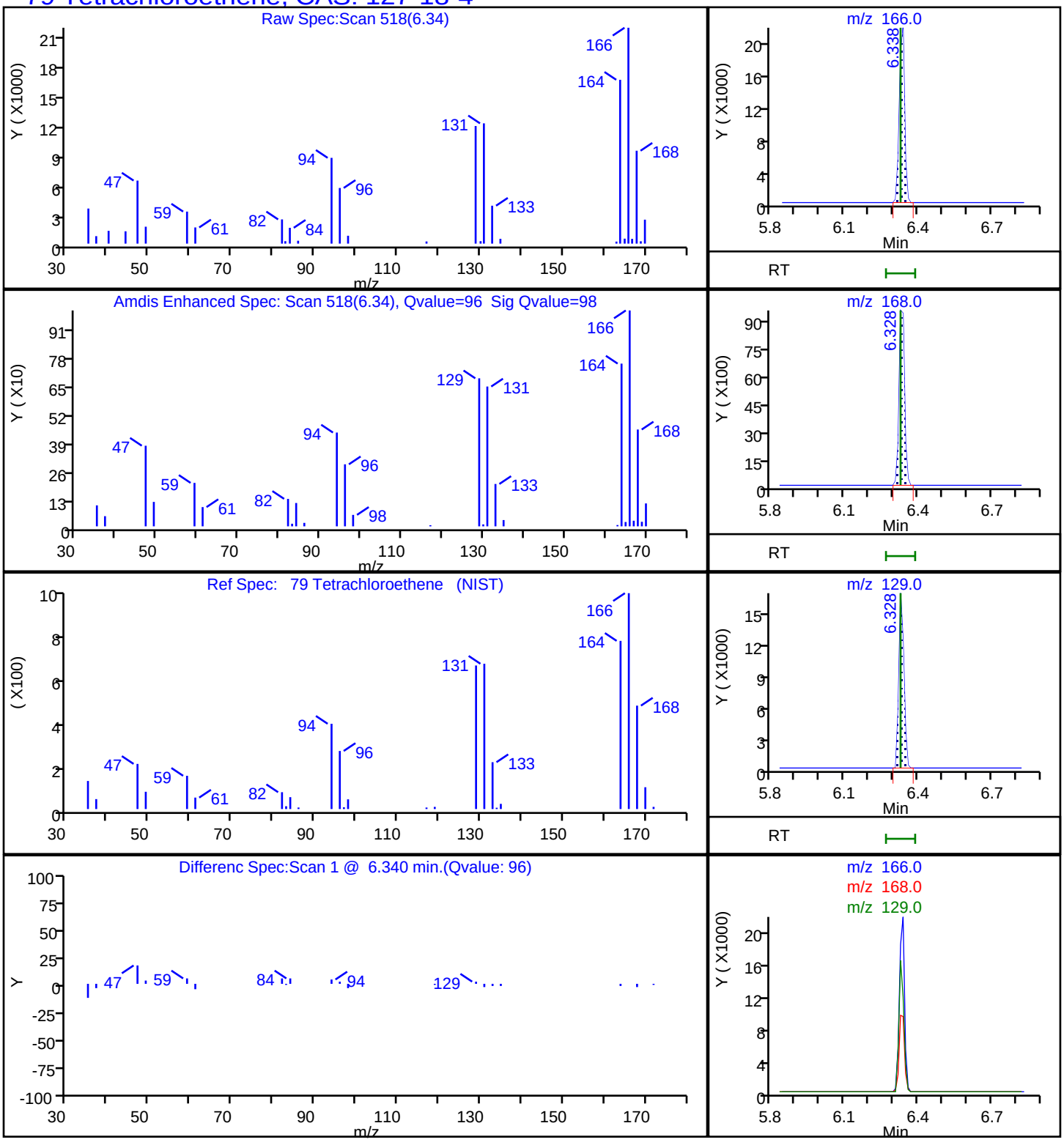
Report Date: 18-Aug-2020 09:00:21 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6232.D

Injection Date:	17-Aug-2020 18:15:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-B-27	Lab Sample ID:	480-173788-27		
Client ID:	442024-MW-111				
Operator ID:	RF	ALS Bottle#:	25	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0754.D
Lims ID: 480-173788-B-28
Client ID: 442024-MW-106A
Sample Type: Client
Inject. Date: 19-Aug-2020 18:13:30 ALS Bottle#: 20 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-B-28
Misc. Info.: 480-0092846-029
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:46:45 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:46:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.351	5.352	-0.001	98	175564	25.0	
* 2 Chlorobenzene-d5	82	8.338	8.339	-0.001	87	367225	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.735	10.736	-0.001	95	353131	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	56	213038	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	97	143044	24.9	
$ 5 Toluene-d8 (Surr)	98	6.854	6.860	-0.006	94	843108	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	262977	24.0	
10 Dichlorodifluoromethane	85		1.233				ND	
12 Chloromethane	50		1.410				ND	
13 Vinyl chloride	62		1.507				ND	
14 Bromomethane	94		1.781				ND	
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.097				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572				ND	
22 1,1-Dichloroethene	96		2.578				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.778				ND	
27 Methyl acetate	43		3.003				ND	
30 Methylene Chloride	84		3.095				ND	
32 Methyl tert-butyl ether	73		3.308				ND	
34 trans-1,2-Dichloroethene	96		3.326				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.616				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.725				ND	
55 Carbon tetrachloride	117		4.859				ND	
57 Benzene	78		5.078				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.692				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.802				ND	
65 1,2-Dichloropropane	63		5.930				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.641				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.451				ND	
80 2-Hexanone	43		7.627				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.895				ND	
87 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.460				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.008				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.669				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.512				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

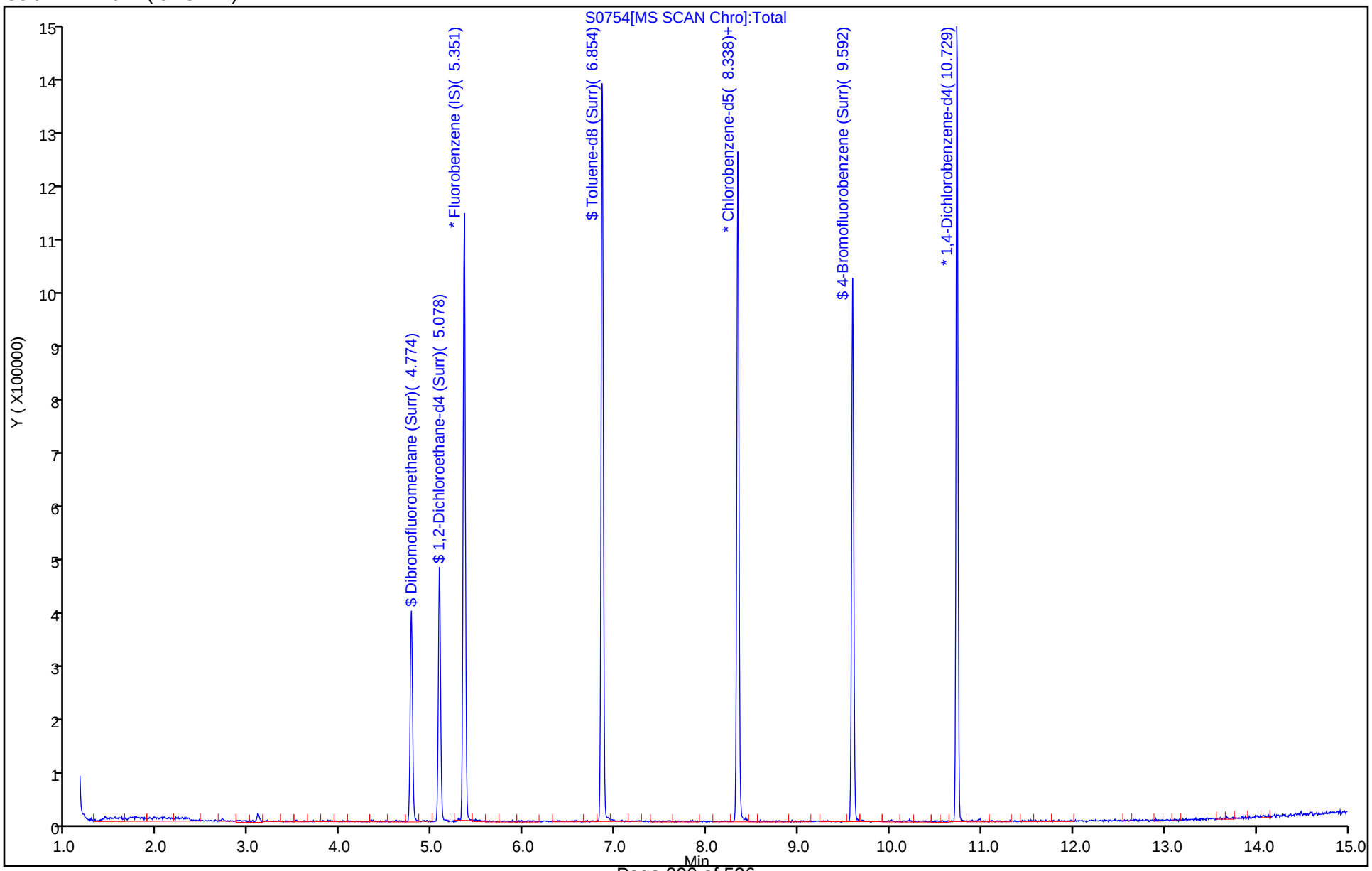
Report Date: 20-Aug-2020 07:46:53 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0754.D

Injection Date:	19-Aug-2020 18:13:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-B-28	Lab Sample ID:	480-173788-28	Worklist Smp#:	29
Client ID:	442024-MW-106A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6279.D
Lims ID: 480-173788-A-29
Client ID: 442024-TB-08112020
Sample Type: Client
Inject. Date: 19-Aug-2020 15:40:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-a-29
Misc. Info.: 480-0092853-019
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 09:19:38 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1018

First Level Reviewer: farrellr Date: 20-Aug-2020 09:19:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	97	191545	25.0	
* 2 Chlorobenzene-d5	117	7.002	7.001	0.001	91	765081	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.856	0.000	97	428053	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.236	0.000	93	261768	26.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	372508	28.9	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	96	883164	23.1	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	298488	24.0	
11 Dichlorodifluoromethane	85		1.157				ND	
13 Chloromethane	50		1.312				ND	
14 Vinyl chloride	62		1.395				ND	
15 Bromomethane	94		1.644				ND	
16 Chloroethane	64		1.706				ND	
17 Trichlorofluoromethane	101		1.923				ND	
22 1,1-Dichloroethene	96		2.359				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369				ND	
23 Acetone	43	2.483	2.473	0.010	97	13058	2.45	
25 Carbon disulfide	76		2.535				ND	
28 Methyl acetate	43		2.742				ND	
30 Methylene Chloride	84		2.835				ND	
33 Methyl tert-butyl ether	73		3.022				ND	
32 trans-1,2-Dichloroethene	96		3.032				ND	
36 1,1-Dichloroethane	63		3.385				ND	
43 cis-1,2-Dichloroethene	96		3.861				ND	
44 2-Butanone (MEK)	43		3.882				ND	
50 Chloroform	83		4.120				ND	
51 1,1,1-Trichloroethane	97		4.203				ND	
52 Cyclohexane	56		4.214				ND	
53 Carbon tetrachloride	117		4.317				ND	
55 Benzene	78		4.494				ND	
57 1,2-Dichloroethane	62		4.545				ND	
60 Trichloroethene	95		4.981				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.063				ND	
63 1,2-Dichloropropane	63		5.167				ND	
67 Dichlorobromomethane	83		5.395				ND	
71 cis-1,3-Dichloropropene	75		5.706				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820				ND	U
73 Toluene	92		5.934				ND	
75 trans-1,3-Dichloropropene	75		6.141				ND	
78 1,1,2-Trichloroethane	83		6.286				ND	
79 Tetrachloroethene	166		6.328				ND	
81 2-Hexanone	43		6.452				ND	
82 Chlorodibromomethane	129		6.587				ND	
83 Ethylene Dibromide	107		6.670				ND	
86 Chlorobenzene	112		7.022				ND	
88 Ethylbenzene	91		7.084				ND	
90 m-Xylene & p-Xylene	106		7.178				ND	
91 o-Xylene	106		7.488				ND	
92 Styrene	104		7.520				ND	
93 Bromoform	173		7.706				ND	
95 Isopropylbenzene	105		7.779				ND	
98 1,1,2,2-Tetrachloroethane	83		8.089				ND	
110 1,3-Dichlorobenzene	146		8.805				ND	
113 1,4-Dichlorobenzene	146		8.877				ND	
116 1,2-Dichlorobenzene	146		9.188				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862				ND	
119 1,2,4-Trichlorobenzene	180		10.504				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

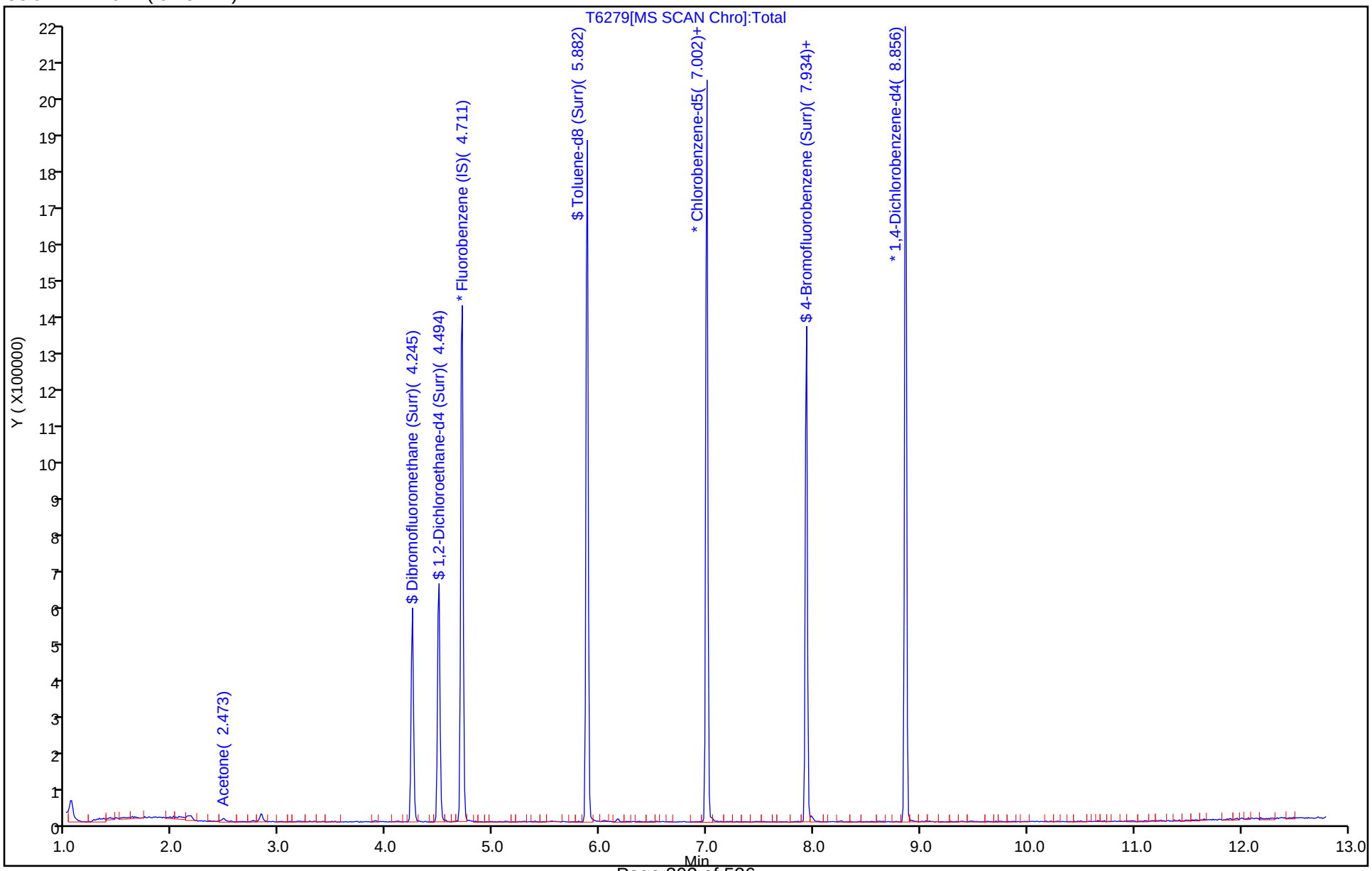
Report Date: 20-Aug-2020 09:19:38 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6279.D

Injection Date:	19-Aug-2020 15:40:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-A-29	Lab Sample ID:	480-173788-29	Worklist Smp#:	19
Client ID:	442024-TB-08112020				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



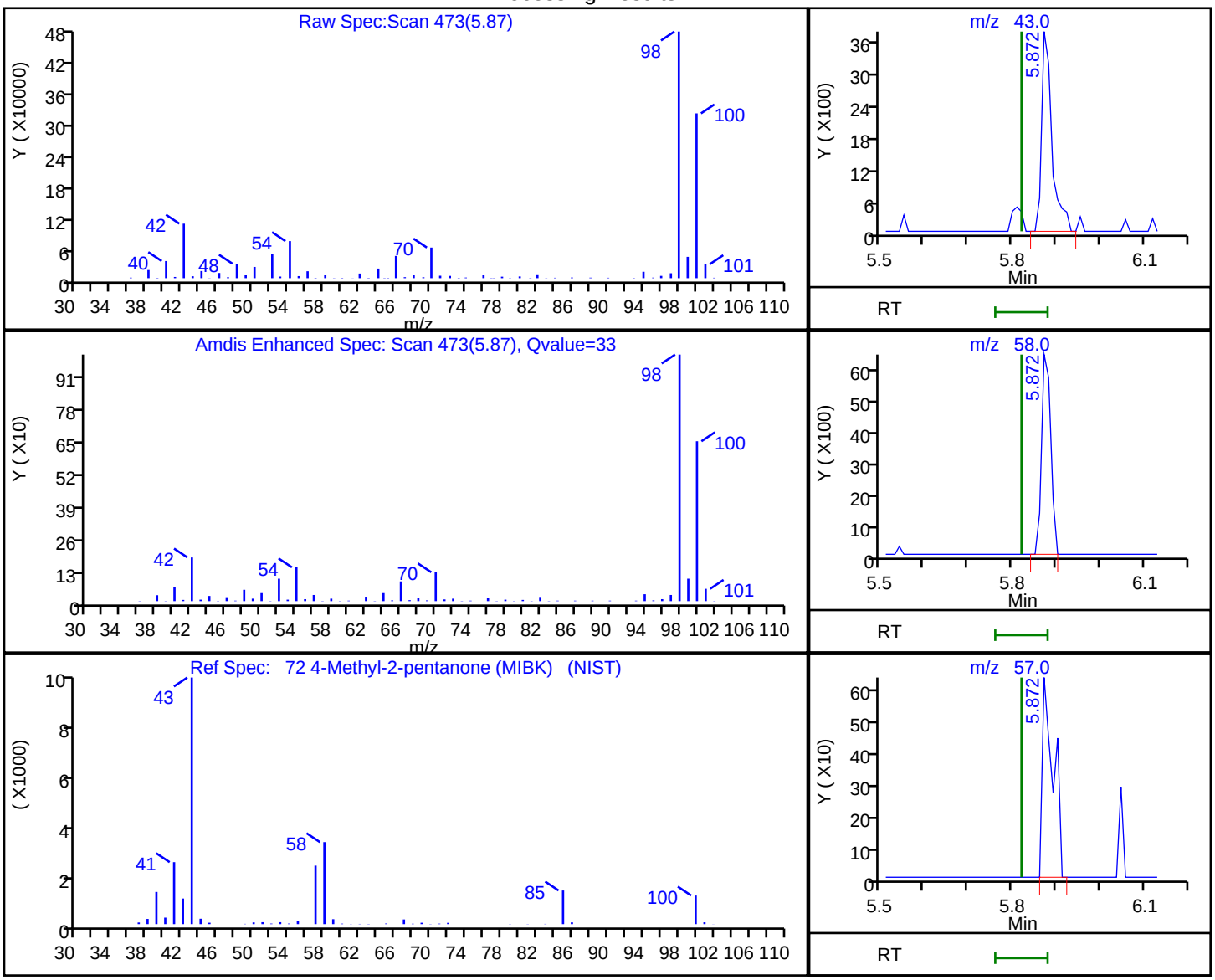
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6279.D				
Injection Date:	19-Aug-2020 15:40:30	Instrument ID:	HP5975T		
Lims ID:	480-173788-A-29	Lab Sample ID:	480-173788-29		
Client ID:	442024-TB-08112020				
Operator ID:	RF	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
5.87	43.00	6123	0.357777
5.87	58.00	9500	
5.87	57.00	1120	

Reviewer: farrellr, 20-Aug-2020 09:19:30

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Aug-2020 13:35:30 ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0092768-007
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:28:42 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:11:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	187805	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	87	382745	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	95	377650	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	55	232416	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	92	158044	25.0	25.7	
$ 5 Toluene-d8 (Surr)	98	6.860	6.854	0.006	93	925558	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	286178	25.0	25.0	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	30	6842	0.5000	0.5261	
12 Chloromethane	50	1.428	1.410	0.018	41	7294	0.5000	0.4979	
151 Butadiene	54	1.495	1.489	0.006	77	7022	0.5000	0.5030	
13 Vinyl chloride	62	1.513	1.501	0.012	34	6569	0.5000	0.5041	
14 Bromomethane	94	1.781	1.775	0.006	71	6324	0.5000	0.7268	
15 Chloroethane	64	1.866	1.854	0.012	20	5683	0.5000	0.6587	
16 Dichlorofluoromethane	67	2.091	2.079	0.012	62	10002	0.5000	0.5415	
17 Trichlorofluoromethane	101	2.109	2.091	0.018	47	8621	0.5000	0.5128	
18 Ethyl ether	59	2.365	2.365	0.000	65	5633	0.5000	0.5265	
20 Acrolein	56	2.547	2.547	0.000	69	5736	2.50	2.83	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.578	2.572	0.006	8	5594	0.5000	0.6308	
22 1,1-Dichloroethene	96	2.571	2.578	-0.007	72	5729	0.5000	0.6486	
23 Acetone	43	2.711	2.705	0.006	91	15822	2.50	2.92	a
25 Iodomethane	142	2.742	2.736	0.006	73	9543	0.5000	0.5903	
26 Carbon disulfide	76	2.772	2.766	0.006	96	16946	0.5000	0.5510	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	69	10401	0.5000	0.5655	
27 Methyl acetate	43	3.010	3.003	0.007	84	12632	1.00	1.05	a
30 Methylene Chloride	84	3.101	3.101	0.000	79	14142	0.5000	0.5922	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	80	9340	5.00	5.24	
32 Methyl tert-butyl ether	73	3.314	3.308	0.006	80	17907	0.5000	0.5085	
34 trans-1,2-Dichloroethene	96	3.332	3.326	0.006	44	6248	0.5000	0.5937	
33 Acrylonitrile	53	3.393	3.387	0.006	99	31263	5.00	5.17	
35 Hexane	57	3.514	3.514	0.000	85	10227	0.5000	0.6127	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	60	11132	0.5000	0.5708	
37 Vinyl acetate	43	3.806	3.800	0.006	94	24438	1.00	0.9895	
44 2,2-Dichloropropane	77	4.269	4.263	0.006	39	6700	0.5000	0.6168	
45 cis-1,2-Dichloroethene	96	4.293	4.299	-0.006	13	6140	0.5000	0.5167	a
43 2-Butanone (MEK)	43	4.354	4.336	0.018	91	21548	2.50	2.69	
48 Chlorobromomethane	128	4.536	4.537	-0.001	76	3030	0.5000	0.4934	
49 Tetrahydrofuran	42	4.561	4.555	0.006	77	7974	1.00	1.40	
50 Chloroform	83	4.609	4.616	-0.007	74	11921	0.5000	0.6094	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	51	8513	0.5000	0.5526	
52 Cyclohexane	56	4.725	4.725	0.000	63	10748	0.5000	0.5657	
55 Carbon tetrachloride	117	4.853	4.859	-0.006	61	7155	0.5000	0.5706	
54 1,1-Dichloropropene	75	4.877	4.871	0.006	56	8054	0.5000	0.5500	
57 Benzene	78	5.078	5.078	0.000	39	24400	0.5000	0.5400	
53 Isobutyl alcohol	43	5.121	5.108	0.012	33	7317	12.5	11.8	
58 1,2-Dichloroethane	62	5.157	5.151	0.006	50	9045	0.5000	0.5306	
59 n-Heptane	43	5.254	5.254	0.000	74	10678	0.5000	0.5944	
62 Trichloroethene	95	5.692	5.686	0.006	56	6549	0.5000	0.5807	
64 Methylcyclohexane	83	5.802	5.802	0.000	67	9521	0.5000	0.5113	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	59	5614	0.5000	0.5037	
67 Dibromomethane	93	6.070	6.070	0.000	65	3760	0.5000	0.5271	
66 1,4-Dioxane	88	6.100	6.076	0.024	0	1636	10.0	9.35	M
68 Dichlorobromomethane	83	6.222	6.222	0.000	54	6933	0.5000	0.4925	
69 2-Chloroethyl vinyl ether	63	6.501	6.508	-0.007	29	4004	0.5000	0.4799	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	51	9514	0.5000	0.5349	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	93	38866	2.50	2.46	
74 Toluene	92	6.927	6.921	0.006	84	14992	0.5000	0.5315	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	68	8621	0.5000	0.5150	a
75 Ethyl methacrylate	69	7.256	7.256	0.000	31	7072	0.5000	0.4712	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	36	5006	0.5000	0.5559	
81 Tetrachloroethene	166	7.451	7.451	-0.001	69	5886	0.5000	0.5163	
82 1,3-Dichloropropane	76	7.566	7.560	0.006	60	8760	0.5000	0.4795	
80 2-Hexanone	43	7.633	7.627	0.006	87	24407	2.50	2.24	
83 Chlorodibromomethane	129	7.791	7.797	-0.006	25	5395	0.5000	0.5387	
84 Ethylene Dibromide	107	7.895	7.895	0.000	61	5284	0.5000	0.4822	
87 Chlorobenzene	112	8.369	8.369	0.000	21	16367	0.5000	0.5298	
88 Ethylbenzene	91	8.460	8.460	0.000	86	28617	0.5000	0.5417	
89 1,1,1,2-Tetrachloroethane	131	8.473	8.467	0.007	21	5051	0.5000	0.5152	
90 m-Xylene & p-Xylene	106	8.588	8.582	0.006	80	9830	0.5000	0.4889	
91 o-Xylene	106	9.008	9.008	0.000	76	11087	0.5000	0.5443	
92 Styrene	104	9.044	9.038	0.006	74	17210	0.5000	0.5104	
95 Bromoform	173	9.300	9.288	0.012	11	3243	0.5000	0.5068	
94 Isopropylbenzene	105	9.397	9.391	0.006	77	28182	0.5000	0.5166	
101 Bromobenzene	156	9.738	9.744	-0.006	72	5941	0.5000	0.4471	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	24	7741	0.5000	0.4979	
99 N-Propylbenzene	91	9.823	9.823	0.000	91	33027	0.5000	0.5051	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	16	3093	0.5000	0.5785	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	15	2152	0.5000	0.4006	
103 2-Chlorotoluene	126	9.927	9.927	0.000	86	7259	0.5000	0.5535	
102 1,3,5-Trimethylbenzene	105	10.000	10.006	-0.006	70	24590	0.5000	0.5238	
105 4-Chlorotoluene	126	10.042	10.036	0.006	54	6886	0.5000	0.5130	
106 tert-Butylbenzene	134	10.316	10.322	-0.006	72	4978	0.5000	0.4956	
107 1,2,4-Trimethylbenzene	105	10.371	10.377	-0.006	74	23344	0.5000	0.4977	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	78	29112	0.5000	0.4922	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	53	13815	0.5000	0.5205	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	84	24391	0.5000	0.4743	
113 1,4-Dichlorobenzene	146	10.760	10.754	0.006	13	14634	0.5000	0.5353	
115 n-Butylbenzene	91	11.058	11.058	0.000	82	22640	0.5000	0.4886	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	67	13199	0.5000	0.5022	
117 1,2-Dibromo-3-Chloropropane	75	11.837	11.843	-0.006	1	1491	0.5000	0.4854	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	61	10029	0.5000	0.5251	
120 Hexachlorobutadiene	225	12.615	12.622	-0.007	44	4667	0.5000	0.6041	
121 Naphthalene	128	12.725	12.725	0.000	85	27428	0.5000	0.4806	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	63	9429	0.5000	0.5070	
S 126 1,3-Dichloropropene, Total	1				0			1.05	
S 124 Xylenes, Total	1				0			1.03	
S 125 1,2-Dichloroethene, Total	1				0			1.11	
S 123 Total BTEX	1				0			2.65	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00413	Amount Added:	0.50	Units: uL	
8260 CORP mix_00191	Amount Added:	0.50	Units: uL	
S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

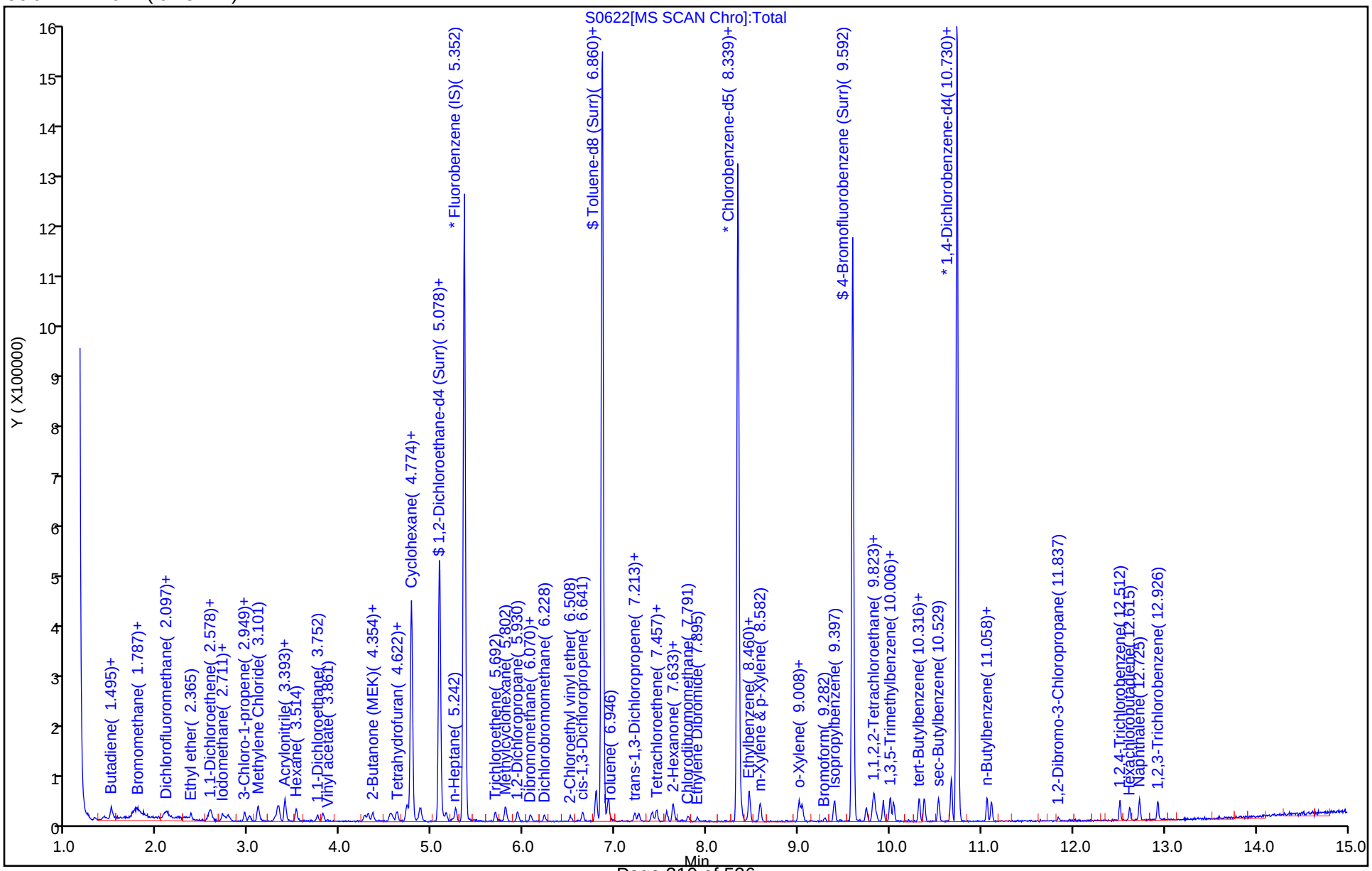
Report Date: 16-Aug-2020 16:28:43 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D

Injection Date:	14-Aug-2020 13:35:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 0.5			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

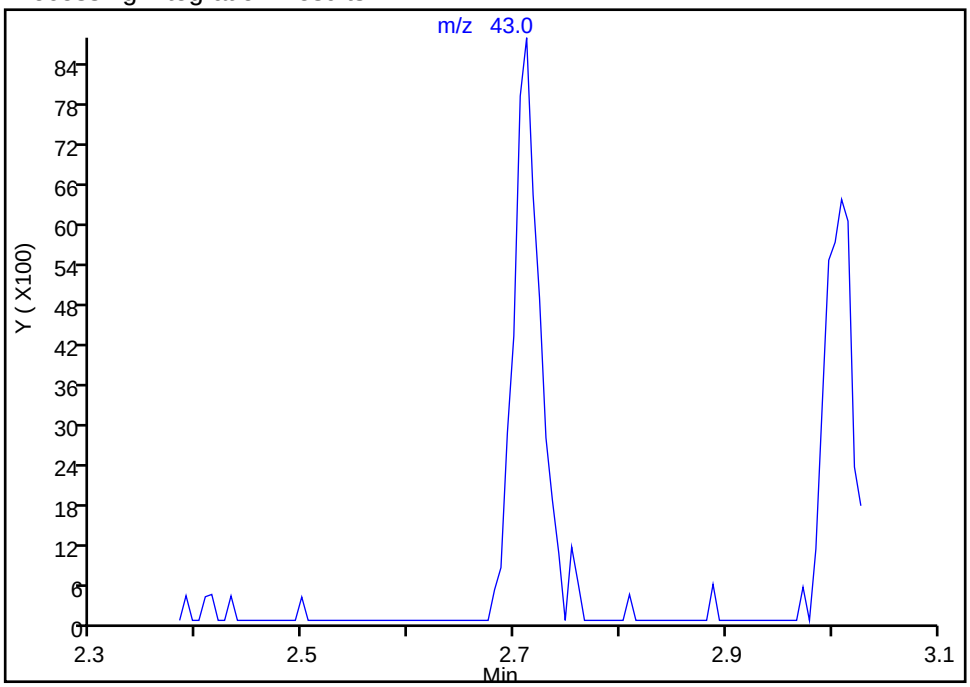
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D
Injection Date: 14-Aug-2020 13:35:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

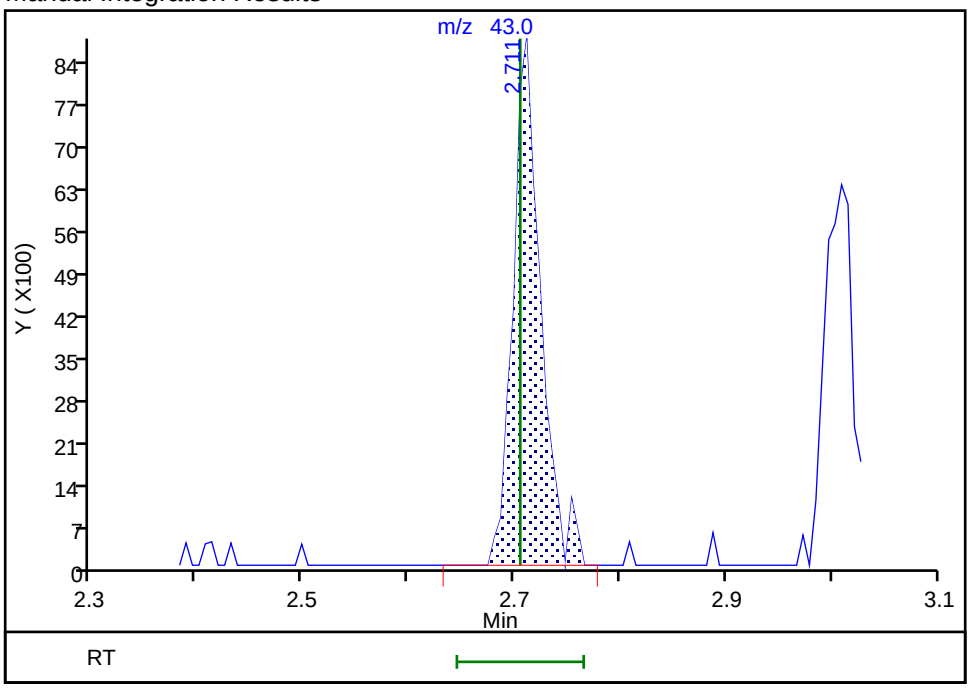
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.71
Area: 15822
Amount: 2.919538
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:10:17
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

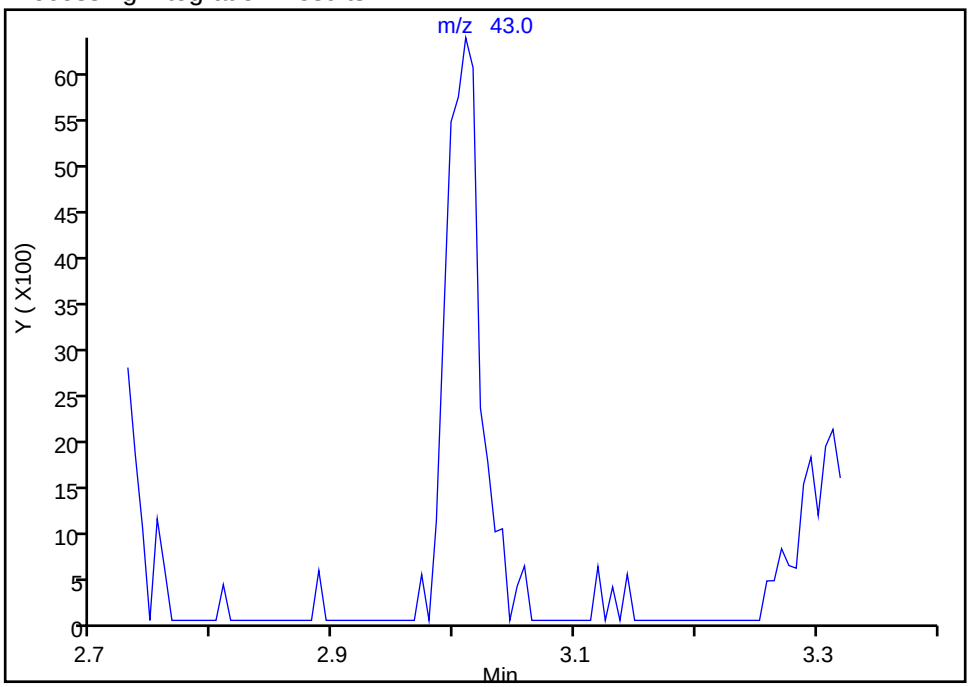
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D				
Injection Date:	14-Aug-2020 13:35:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	LH	ALS Bottle#:	3	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

27 Methyl acetate, CAS: 79-20-9

Signal: 1

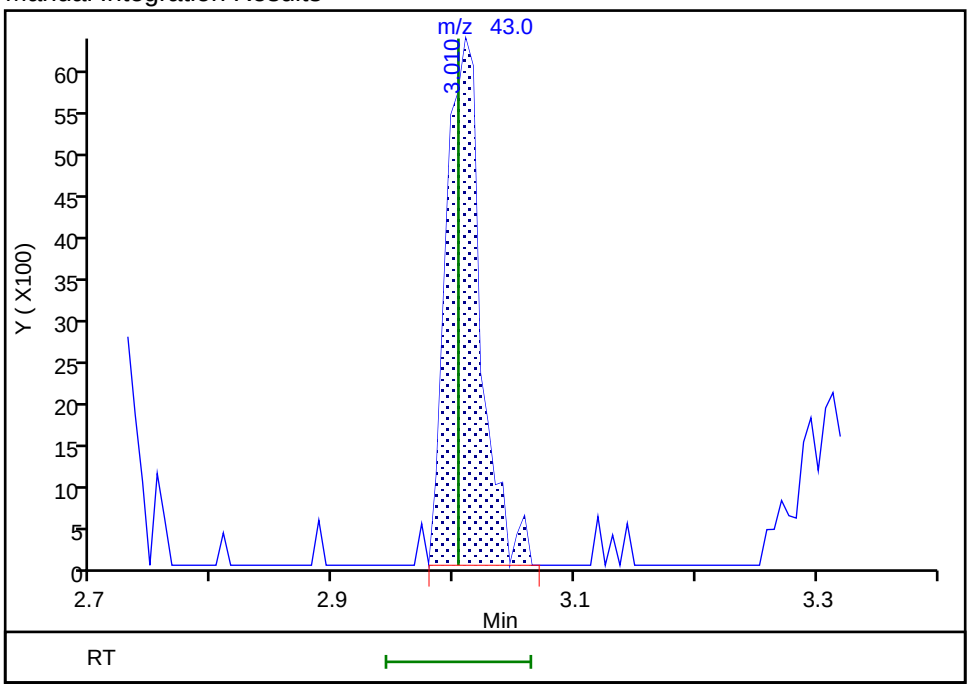
Not Detected
Expected RT: 3.00

Processing Integration Results



Manual Integration Results

RT: 3.01
Area: 12632
Amount: 1.053124
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:10:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

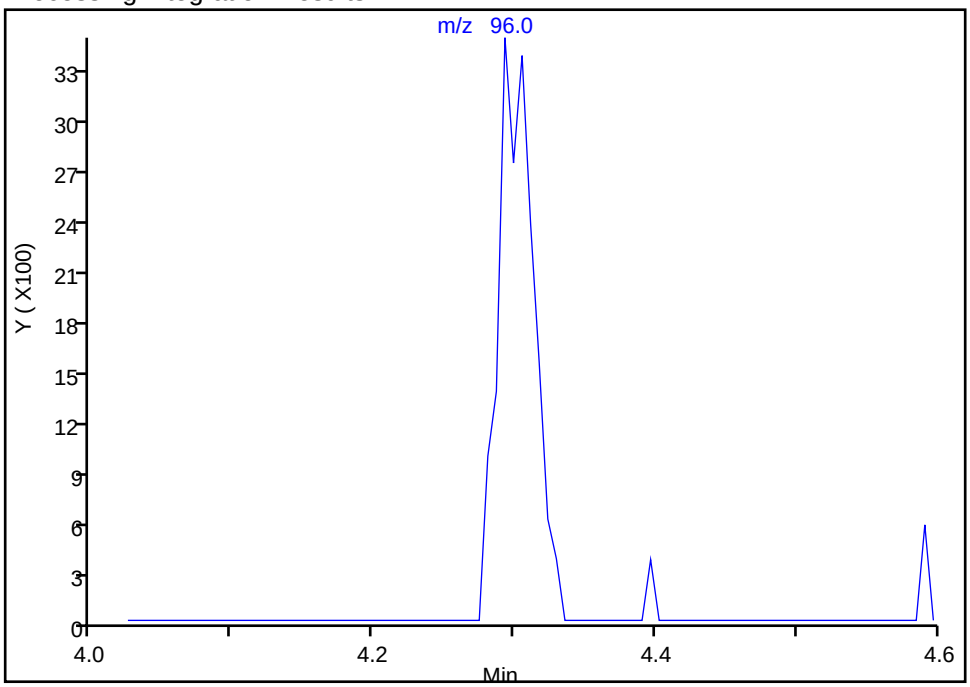
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D
Injection Date: 14-Aug-2020 13:35:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

45 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

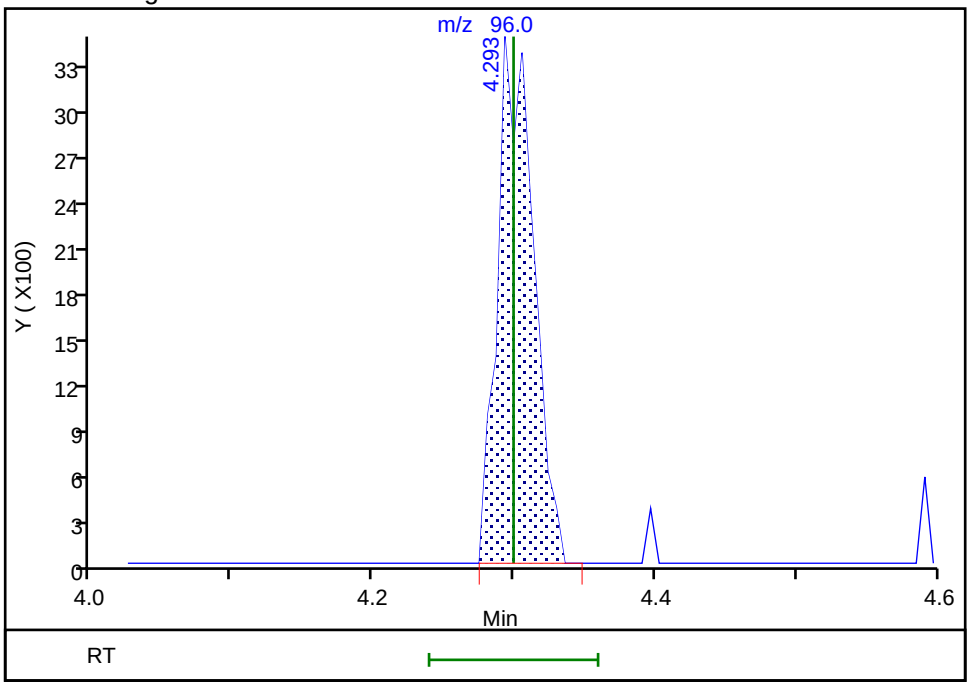
Not Detected
Expected RT: 4.30

Processing Integration Results



Manual Integration Results

RT: 4.29
Area: 6140
Amount: 0.516662
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:10:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

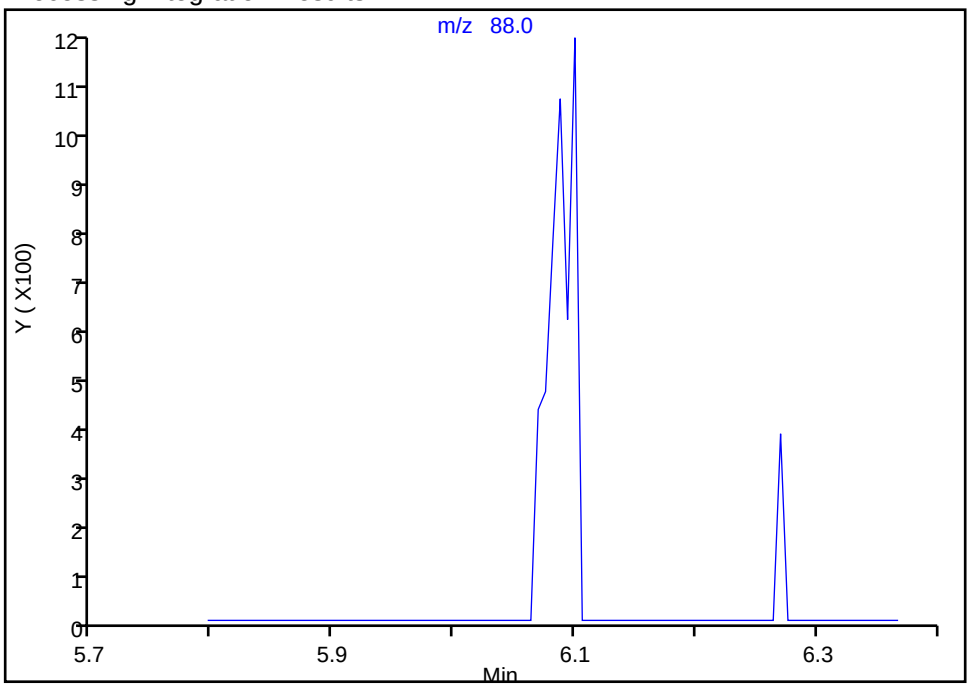
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D
Injection Date: 14-Aug-2020 13:35:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

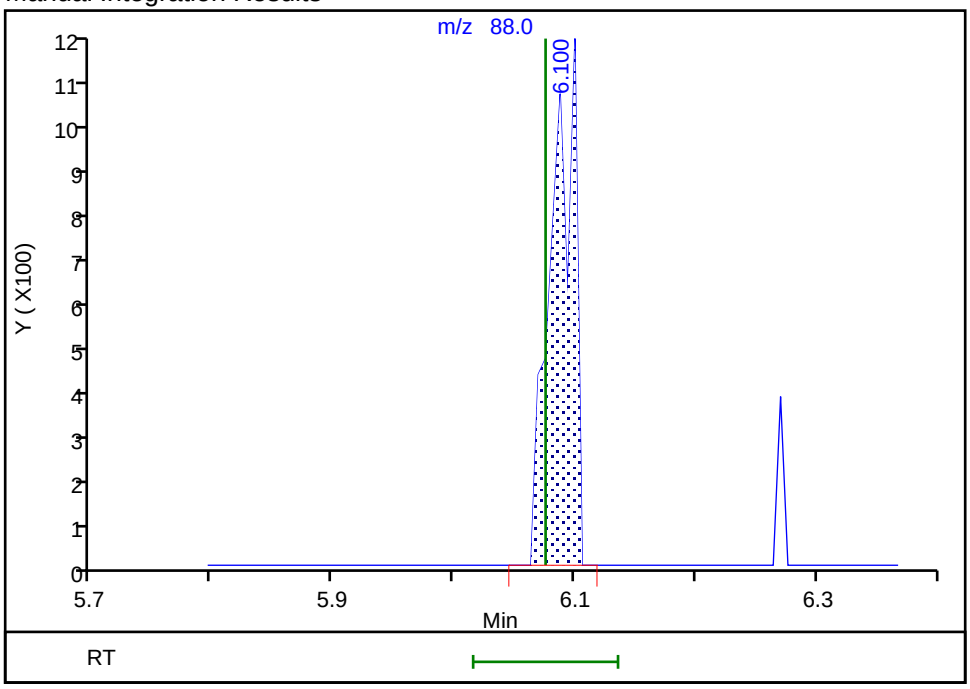
Not Detected
Expected RT: 6.08

Processing Integration Results



Manual Integration Results

RT: 6.10
Area: 1636
Amount: 9.349658
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:11:02
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

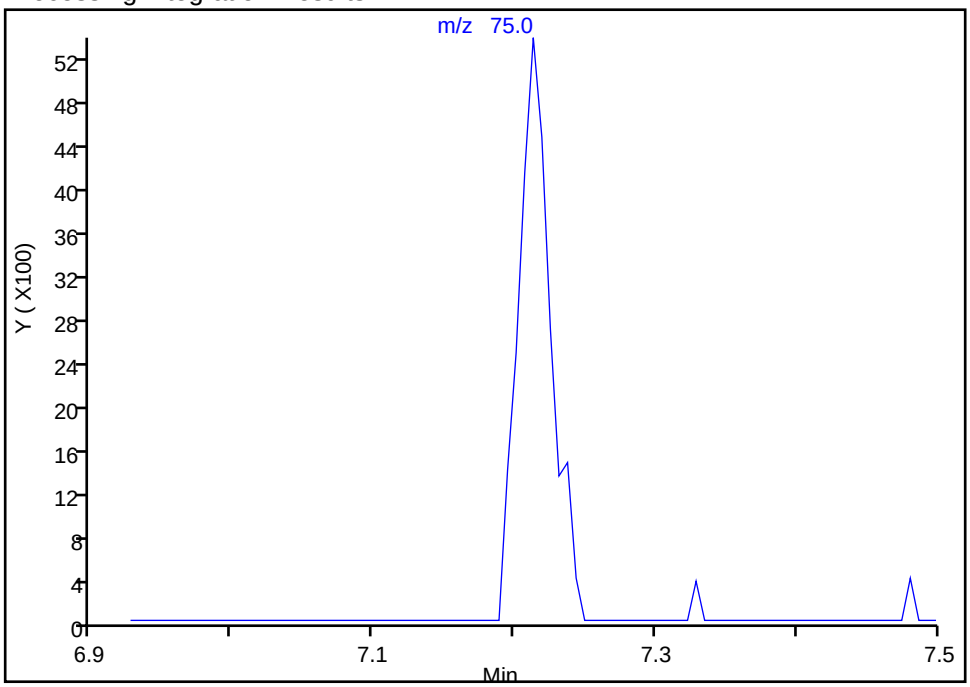
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0622.D
Injection Date: 14-Aug-2020 13:35:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

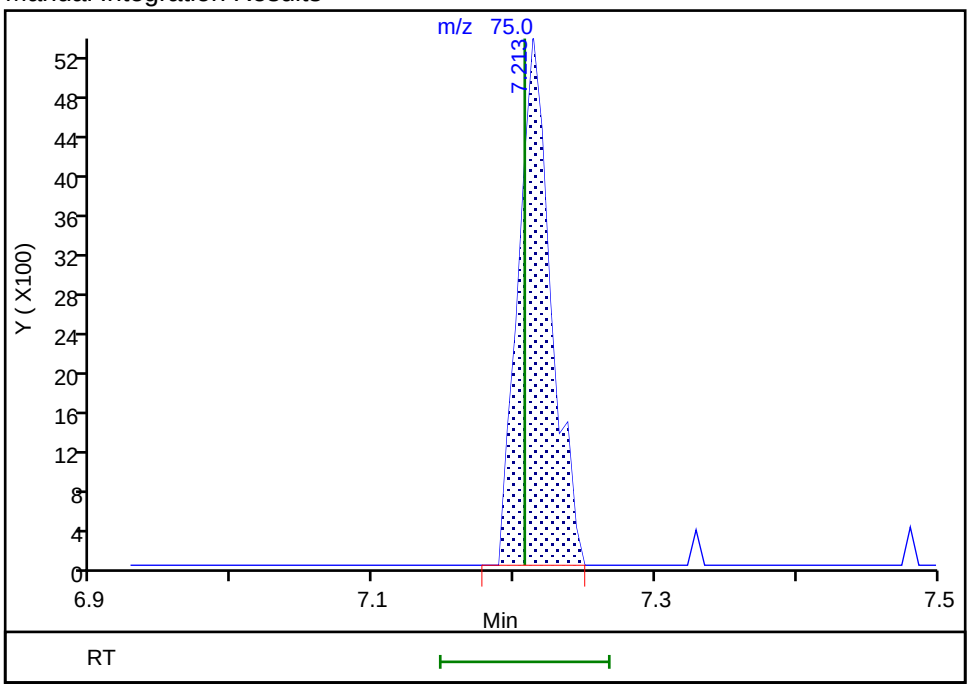
Not Detected
Expected RT: 7.21

Processing Integration Results



Manual Integration Results

RT: 7.21
Area: 8621
Amount: 0.514971
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:11:14
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0623.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Aug-2020 13:58:30 ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0092768-008
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:28:47 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:13:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	186196	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	392152	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	94	380898	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	67	230122	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	97	157631	25.0	25.9	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	93	928975	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	88	296965	25.0	25.4	
10 Dichlorodifluoromethane	85	1.227	1.233	-0.006	55	10160	1.00	0.7880	
12 Chloromethane	50	1.409	1.410	-0.001	76	14454	1.00	1.00	
151 Butadiene	54	1.495	1.489	0.006	84	13410	1.00	0.9688	
13 Vinyl chloride	62	1.507	1.501	0.006	73	10548	1.00	0.8164	
14 Bromomethane	94	1.768	1.775	-0.007	69	9016	1.00	1.05	
15 Chloroethane	64	1.860	1.854	0.006	43	8598	1.00	1.01	M
16 Dichlorofluoromethane	67	2.085	2.079	0.006	53	16136	1.00	0.8811	
17 Trichlorofluoromethane	101	2.091	2.091	0.000	58	14987	1.00	0.8992	
18 Ethyl ether	59	2.365	2.365	0.000	72	9060	1.00	0.8542	
20 Acrolein	56	2.553	2.547	0.006	70	10064	5.00	5.00	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.577	2.572	0.005	16	7668	1.00	0.8722	
22 1,1-Dichloroethene	96	2.571	2.578	-0.007	76	7839	1.00	0.8952	
23 Acetone	43	2.705	2.705	0.000	90	27984	5.00	5.21	a
25 Iodomethane	142	2.754	2.736	0.018	78	15526	1.00	0.9687	
26 Carbon disulfide	76	2.772	2.766	0.006	93	27611	1.00	0.9056	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	77	18239	1.00	1.00	
27 Methyl acetate	43	3.003	3.003	0.000	93	26017	2.00	2.19	
30 Methylene Chloride	84	3.101	3.101	0.000	77	15126	1.00	0.7001	M
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	88	18745	10.0	10.6	
32 Methyl tert-butyl ether	73	3.314	3.308	0.006	89	35492	1.00	1.02	
34 trans-1,2-Dichloroethene	96	3.320	3.326	-0.006	78	10718	1.00	1.03	
33 Acrylonitrile	53	3.393	3.387	0.006	96	59363	10.0	9.90	
35 Hexane	57	3.514	3.514	0.000	84	15666	1.00	0.9467	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.739	3.746	-0.007	44	18341	1.00	0.9486	
37 Vinyl acetate	43	3.806	3.800	0.006	95	44672	2.00	1.82	
44 2,2-Dichloropropane	77	4.269	4.263	0.006	56	10729	1.00	1.00	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	69	10686	1.00	0.9070	
43 2-Butanone (MEK)	43	4.348	4.336	0.012	98	38938	5.00	4.90	
48 Chlorobromomethane	128	4.536	4.537	-0.001	81	6114	1.00	1.00	
49 Tetrahydrofuran	42	4.561	4.555	0.006	89	13787	2.00	2.44	
50 Chloroform	83	4.615	4.616	-0.001	87	21140	1.00	1.09	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	73	13928	1.00	0.9119	
52 Cyclohexane	56	4.725	4.725	0.000	74	15846	1.00	0.8413	
55 Carbon tetrachloride	117	4.859	4.859	0.000	61	10179	1.00	0.8188	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	63	12743	1.00	0.8778	
57 Benzene	78	5.084	5.078	0.006	44	39460	1.00	0.8808	
53 Isobutyl alcohol	43	5.114	5.108	0.006	48	14359	25.0	23.3	
58 1,2-Dichloroethane	62	5.157	5.151	0.006	9	17485	1.00	1.03	
59 n-Heptane	43	5.254	5.254	0.000	86	18061	1.00	1.01	
62 Trichloroethene	95	5.692	5.686	0.006	74	9674	1.00	0.8653	
64 Methylcyclohexane	83	5.802	5.802	0.000	80	15926	1.00	0.8627	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	76	10432	1.00	0.9441	
67 Dibromomethane	93	6.069	6.070	-0.001	76	6682	1.00	0.9448	
66 1,4-Dioxane	88	6.082	6.076	0.006	5	3486	20.0	19.4	
68 Dichlorobromomethane	83	6.222	6.222	0.000	65	14175	1.00	1.02	
69 2-Chloroethyl vinyl ether	63	6.507	6.508	-0.001	76	7539	1.00	0.9115	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	57	16160	1.00	0.9164	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	96	74990	5.00	4.63	
74 Toluene	92	6.921	6.921	0.000	82	26640	1.00	0.9218	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	81	16331	1.00	0.9521	
75 Ethyl methacrylate	69	7.256	7.256	0.000	65	13338	1.00	0.8674	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	69	9234	1.00	1.00	
81 Tetrachloroethene	166	7.450	7.451	-0.001	79	11207	1.00	0.9595	
82 1,3-Dichloropropane	76	7.566	7.560	0.006	72	18899	1.00	1.01	
80 2-Hexanone	43	7.633	7.627	0.006	93	52763	5.00	4.72	
83 Chlorodibromomethane	129	7.797	7.797	0.000	37	8273	1.00	0.8063	
84 Ethylene Dibromide	107	7.901	7.895	0.006	54	11001	1.00	0.9798	
87 Chlorobenzene	112	8.369	8.369	0.000	81	28298	1.00	0.8940	
88 Ethylbenzene	91	8.460	8.460	0.000	89	48196	1.00	0.8904	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.467	0.000	24	9733	1.00	0.9690	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	96	16691	1.00	0.8101	
91 o-Xylene	106	9.008	9.008	0.000	94	17707	1.00	0.8484	
92 Styrene	104	9.038	9.038	0.000	85	30789	1.00	0.8912	
95 Bromoform	173	9.288	9.288	0.000	45	6061	1.00	0.9245	
94 Isopropylbenzene	105	9.391	9.391	0.000	87	46376	1.00	0.8429	
101 Bromobenzene	156	9.744	9.744	0.000	89	12936	1.00	0.9652	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	81	14540	1.00	0.9272	
99 N-Propylbenzene	91	9.823	9.823	0.000	94	57651	1.00	0.8742	
100 1,2,3-Trichloropropane	110	9.841	9.835	0.006	56	5273	1.00	0.9779	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.854	-0.001	39	5454	1.00	1.01	
103 2-Chlorotoluene	126	9.926	9.927	-0.001	85	11806	1.00	0.8925	
102 1,3,5-Trimethylbenzene	105	10.006	10.006	0.000	84	42041	1.00	0.8880	
105 4-Chlorotoluene	126	10.042	10.036	0.006	69	11749	1.00	0.8677	
106 tert-Butylbenzene	134	10.322	10.322	0.000	85	8403	1.00	0.8294	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	7	38945	1.00	0.8232	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	75	51866	1.00	0.8695	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	70	22858	1.00	0.8539	
110 4-Isopropyltoluene	119	10.675	10.669	0.006	91	44517	1.00	0.8583	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	63	25813	1.00	0.9362	a
115 n-Butylbenzene	91	11.058	11.058	0.000	88	39969	1.00	0.8553	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	84	23683	1.00	0.8934	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	18	3103	1.00	1.00	
119 1,2,4-Trichlorobenzene	180	12.506	12.512	-0.006	76	16941	1.00	0.8795	
120 Hexachlorobutadiene	225	12.615	12.622	-0.007	58	6453	1.00	0.8281	
121 Naphthalene	128	12.725	12.725	0.000	93	52369	1.00	0.9099	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	79	16965	1.00	0.9045	
S 126 1,3-Dichloropropene, Total	1				0			1.87	
S 124 Xylenes, Total	1				0			1.66	
S 125 1,2-Dichloroethene, Total	1				0			1.93	
S 123 Total BTEX	1				0			4.35	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00413	Amount Added:	1.00	Units: uL	
8260 CORP mix_00191	Amount Added:	1.00	Units: uL	
S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

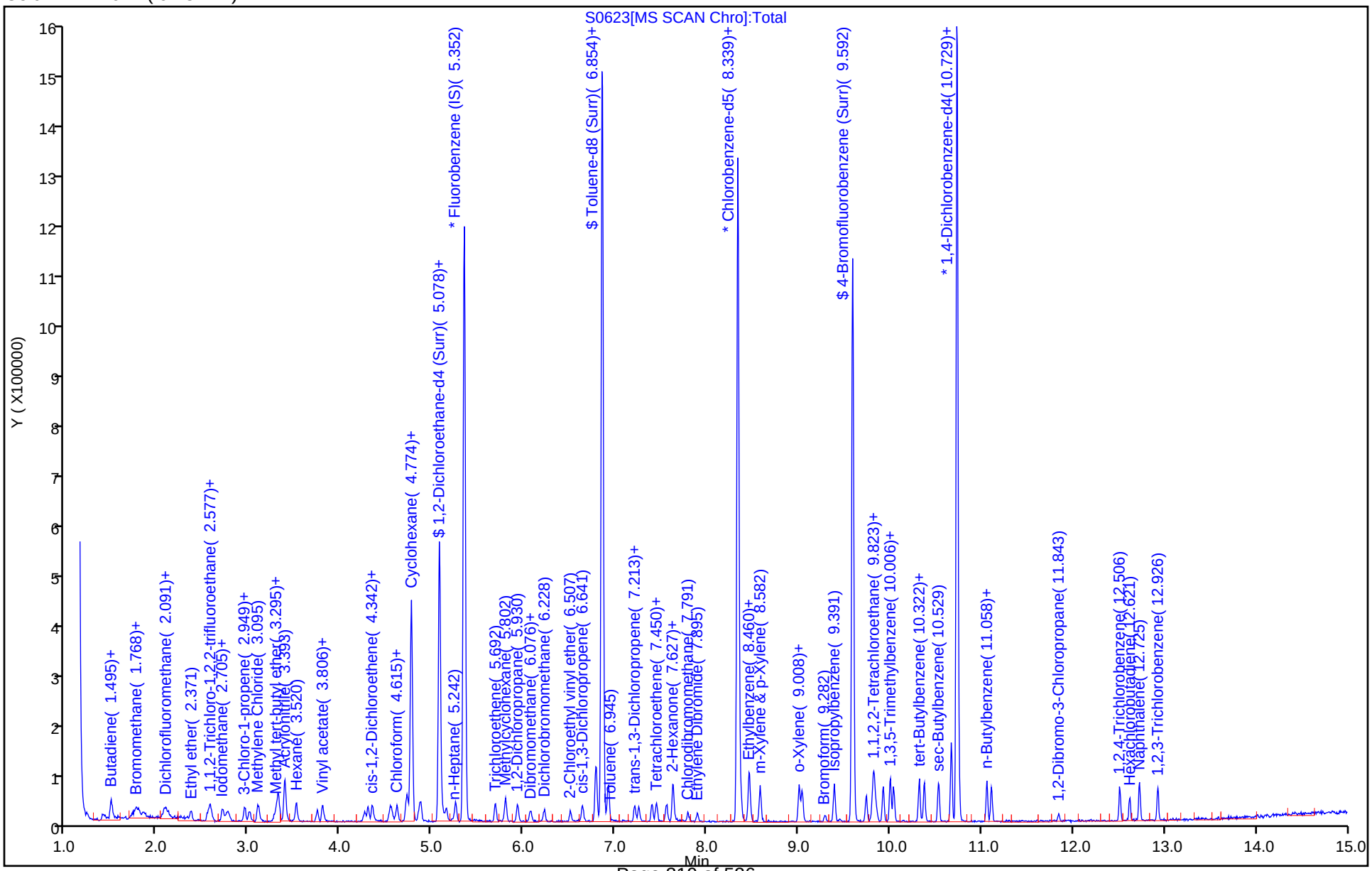
Report Date: 16-Aug-2020 16:28:48 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0623.D

Injection Date:	14-Aug-2020 13:58:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

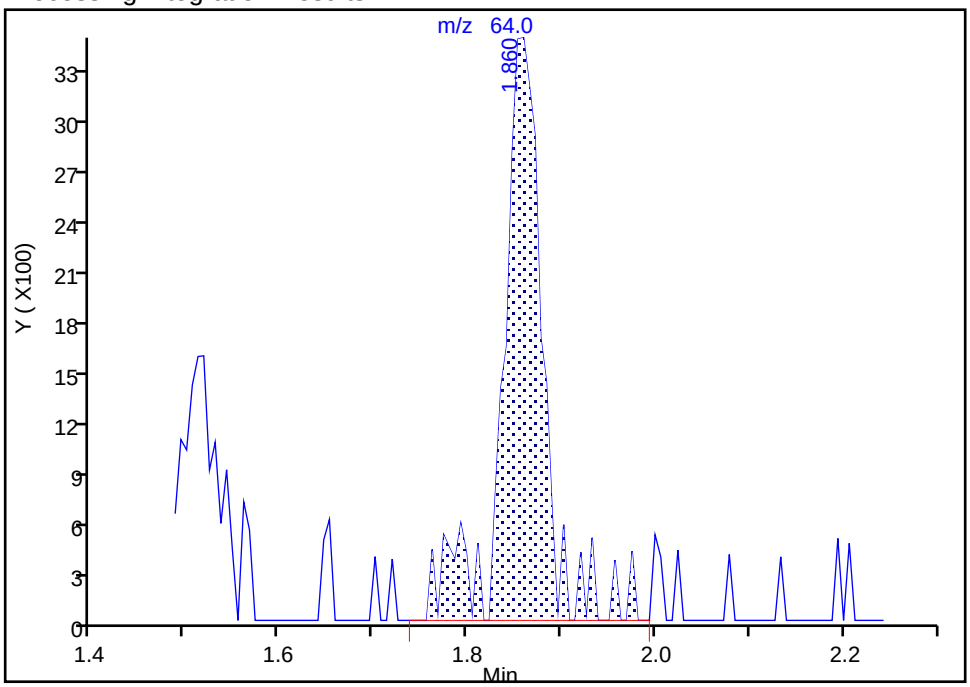
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0623.D
Injection Date: 14-Aug-2020 13:58:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

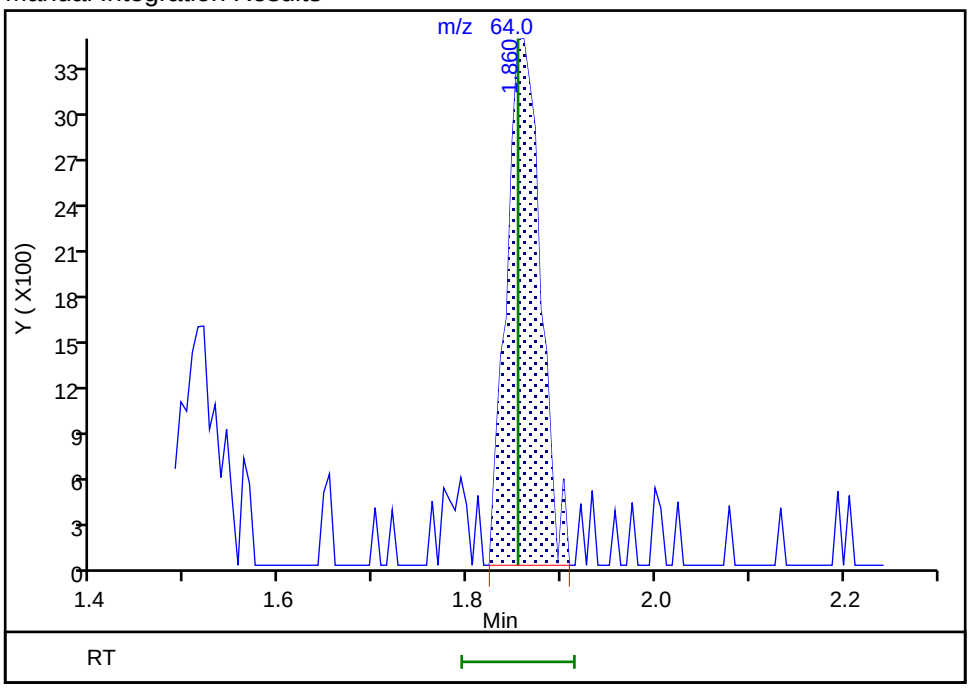
Processing Integration Results

RT: 1.86
Area: 10340
Amount: 1.134943
Amount Units: ug/L



Manual Integration Results

RT: 1.86
Area: 8598
Amount: 1.005210
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:12:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

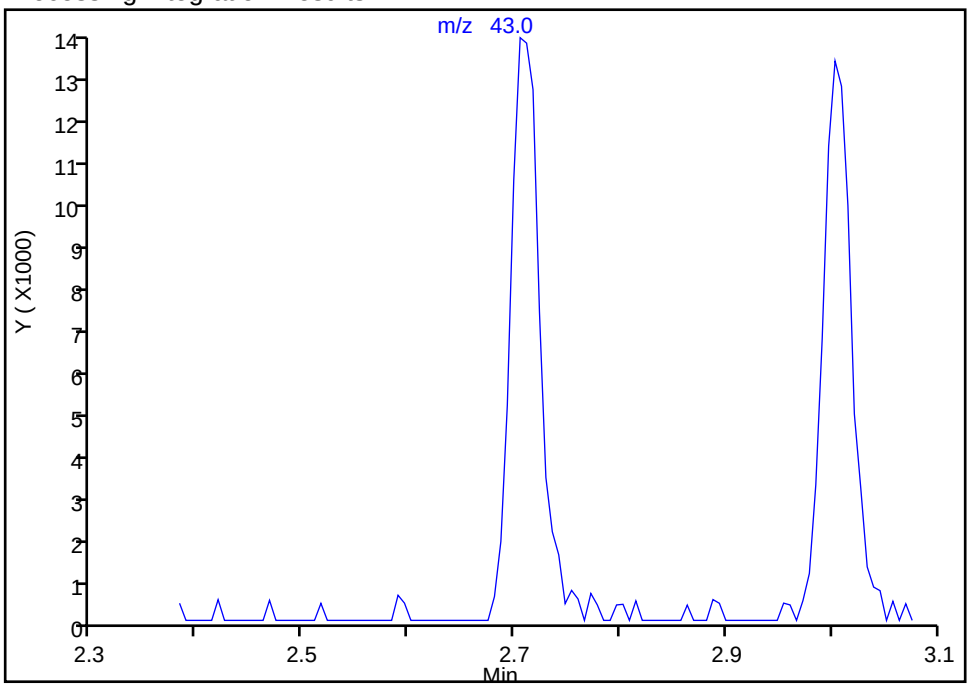
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0623.D
Injection Date: 14-Aug-2020 13:58:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

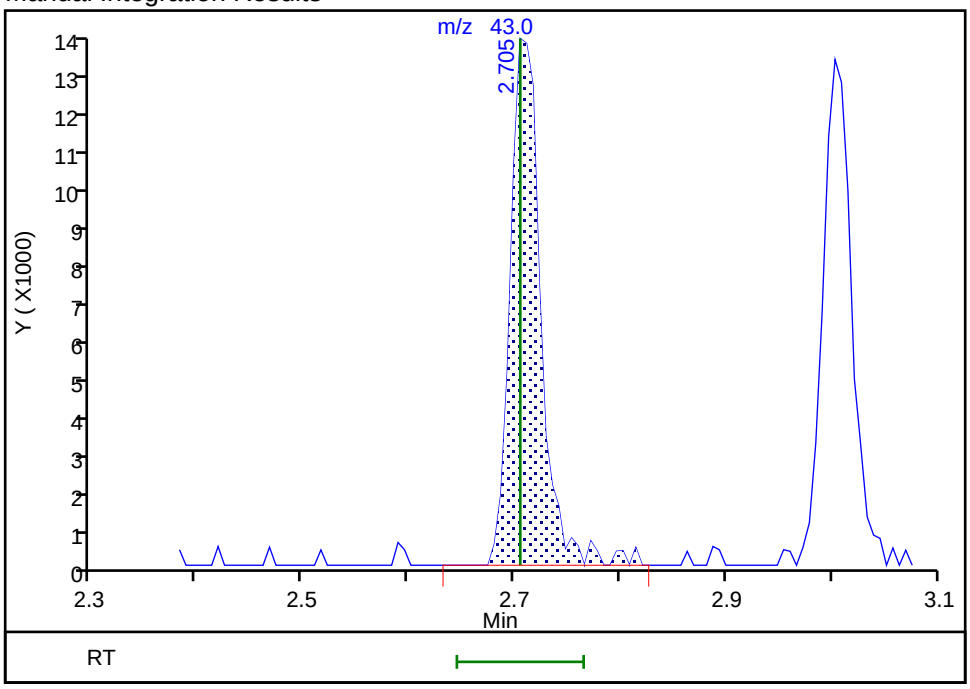
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.71
Area: 27984
Amount: 5.208341
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:12:27
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

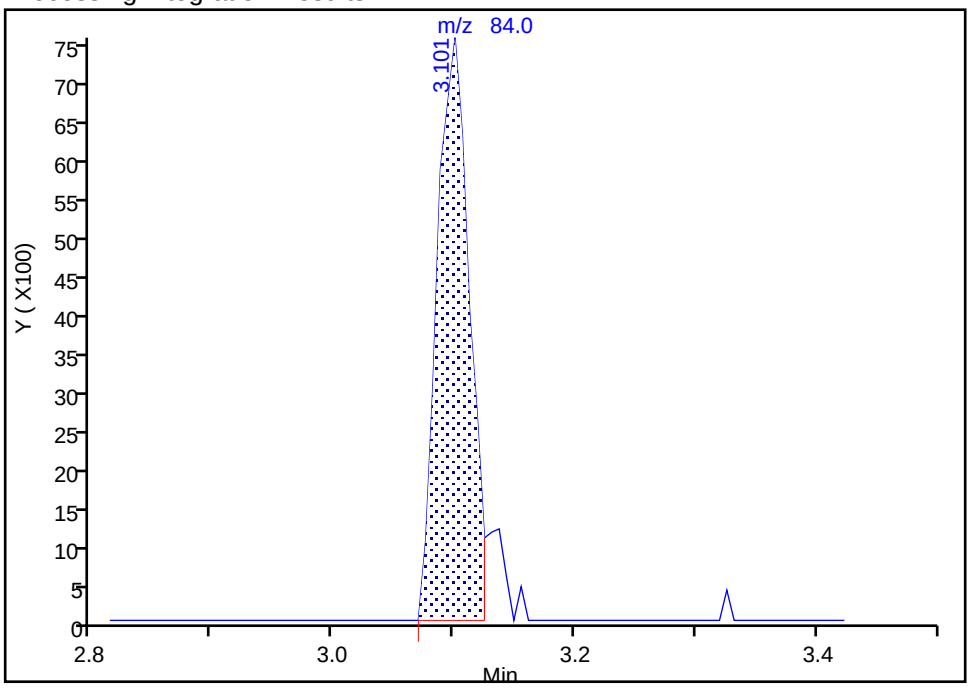
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0623.D
Injection Date: 14-Aug-2020 13:58:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

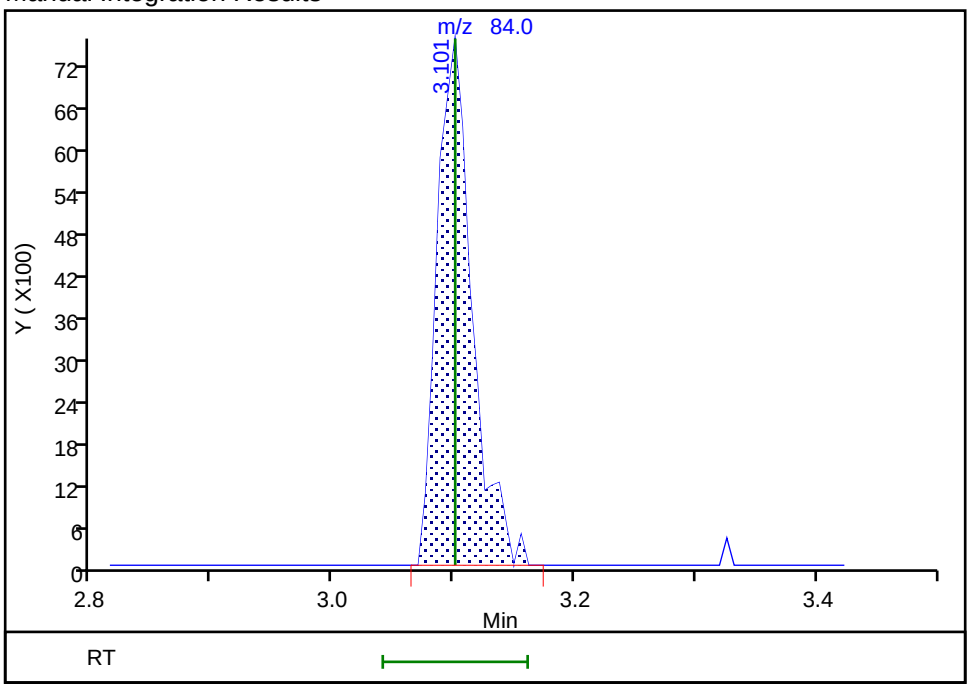
Processing Integration Results

RT: 3.10
Area: 13916
Amount: 0.998111
Amount Units: ug/L



Manual Integration Results

RT: 3.10
Area: 15126
Amount: 0.700058
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:12:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

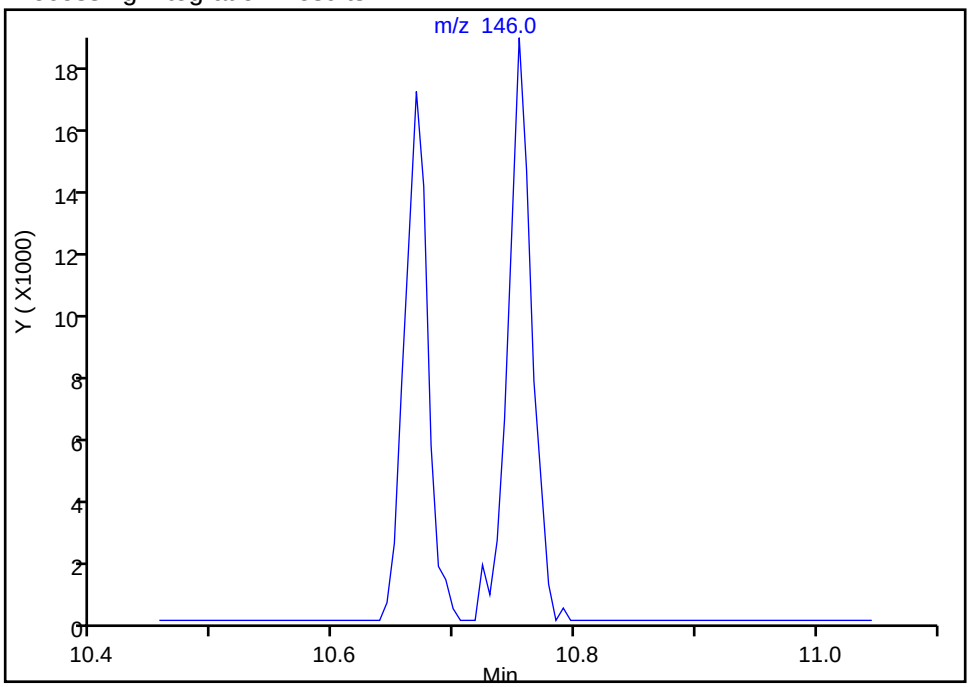
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0623.D
Injection Date: 14-Aug-2020 13:58:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

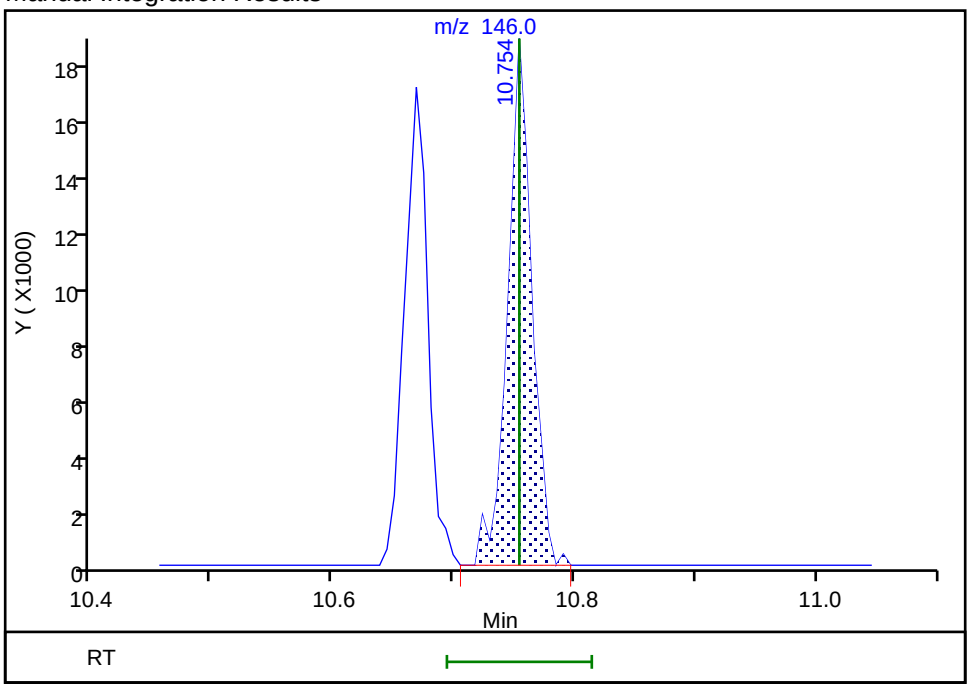
Not Detected
Expected RT: 10.75

Processing Integration Results



Manual Integration Results

RT: 10.75
Area: 25813
Amount: 0.936215
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:13:06
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0624.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Aug-2020 14:21:30 ALS Bottle#: 5 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0092768-009
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:28:52 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:14:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	187696	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	391577	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	94	379328	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	57	229383	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	91	152581	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.860	6.854	0.006	92	912859	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	293059	25.0	25.1	
10 Dichlorodifluoromethane	85	1.239	1.233	0.006	77	26803	2.00	2.06	
12 Chloromethane	50	1.409	1.410	-0.001	83	30804	2.00	2.10	
151 Butadiene	54	1.495	1.489	0.006	96	32145	2.00	2.30	
13 Vinyl chloride	62	1.507	1.501	0.006	70	27656	2.00	2.12	
14 Bromomethane	94	1.768	1.775	-0.007	82	18929	2.00	2.18	
15 Chloroethane	64	1.860	1.854	0.006	77	19492	2.00	2.26	
16 Dichlorofluoromethane	67	2.091	2.079	0.012	73	37956	2.00	2.06	
17 Trichlorofluoromethane	101	2.091	2.091	0.000	42	36641	2.00	2.18	
18 Ethyl ether	59	2.365	2.365	0.000	84	22135	2.00	2.07	
20 Acrolein	56	2.547	2.547	0.000	82	20544	10.0	10.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.577	2.572	0.005	52	19299	2.00	2.18	
22 1,1-Dichloroethene	96	2.577	2.578	-0.001	84	20228	2.00	2.29	
23 Acetone	43	2.705	2.705	0.000	95	53033	10.0	9.79	
25 Iodomethane	142	2.736	2.736	0.000	83	33057	2.00	2.05	
26 Carbon disulfide	76	2.766	2.766	0.000	87	67185	2.00	2.19	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	85	38546	2.00	2.10	
27 Methyl acetate	43	3.003	3.003	0.000	95	46597	4.00	3.89	
30 Methylene Chloride	84	3.101	3.101	0.000	85	29118	2.00	2.04	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	93	34509	20.0	19.4	
32 Methyl tert-butyl ether	73	3.314	3.308	0.006	90	71402	2.00	2.03	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	93	22449	2.00	2.13	
33 Acrylonitrile	53	3.393	3.387	0.006	98	122079	20.0	20.2	
35 Hexane	57	3.514	3.514	0.000	86	41464	2.00	2.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	76	41760	2.00	2.14	
37 Vinyl acetate	43	3.800	3.800	0.000	97	87123	4.00	3.53	
44 2,2-Dichloropropane	77	4.257	4.263	-0.006	81	24229	2.00	2.23	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	57	26446	2.00	2.23	
43 2-Butanone (MEK)	43	4.348	4.336	0.012	98	77623	10.0	9.69	
48 Chlorobromomethane	128	4.542	4.537	0.005	77	12891	2.00	2.10	
49 Tetrahydrofuran	42	4.561	4.555	0.006	91	24019	4.00	4.22	
50 Chloroform	83	4.615	4.616	-0.001	77	42042	2.00	2.15	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	81	33872	2.00	2.20	
52 Cyclohexane	56	4.725	4.725	0.000	88	42886	2.00	2.26	
55 Carbon tetrachloride	117	4.865	4.859	0.006	76	25722	2.00	2.05	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	75	31442	2.00	2.15	
57 Benzene	78	5.078	5.078	0.000	56	96815	2.00	2.14	
53 Isobutyl alcohol	43	5.108	5.108	0.000	46	29264	50.0	47.2	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	51	36631	2.00	2.15	
59 n-Heptane	43	5.260	5.254	0.006	88	43171	2.00	2.40	
62 Trichloroethene	95	5.692	5.686	0.006	88	23403	2.00	2.08	
64 Methylcyclohexane	83	5.802	5.802	0.000	88	42382	2.00	2.28	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	84	23963	2.00	2.15	
67 Dibromomethane	93	6.069	6.070	-0.001	81	14016	2.00	1.97	
66 1,4-Dioxane	88	6.076	6.076	0.000	33	7633	40.0	42.6	a
68 Dichlorobromomethane	83	6.228	6.222	0.006	81	26404	2.00	1.88	
69 2-Chloroethyl vinyl ether	63	6.514	6.508	0.006	75	17352	2.00	2.08	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	73	33798	2.00	1.90	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	97	158896	10.0	9.83	
74 Toluene	92	6.927	6.921	0.006	79	60306	2.00	2.09	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	90	32699	2.00	1.91	
75 Ethyl methacrylate	69	7.256	7.256	0.000	78	29126	2.00	1.90	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	77	19437	2.00	2.11	
81 Tetrachloroethene	166	7.457	7.451	0.006	77	25264	2.00	2.17	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	88	37517	2.00	2.01	
80 2-Hexanone	43	7.627	7.627	0.000	95	108356	10.0	9.71	
83 Chlorodibromomethane	129	7.797	7.797	0.000	79	20798	2.00	2.03	
84 Ethylene Dibromide	107	7.895	7.895	0.000	81	23436	2.00	2.09	
87 Chlorobenzene	112	8.369	8.369	0.000	88	64261	2.00	2.03	
88 Ethylbenzene	91	8.460	8.460	0.000	98	111890	2.00	2.07	
89 1,1,1,2-Tetrachloroethane	131	8.472	8.467	0.006	37	19392	2.00	1.93	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	98	43701	2.00	2.12	
91 o-Xylene	106	9.008	9.008	0.000	94	42021	2.00	2.02	
92 Styrene	104	9.038	9.038	0.000	90	69571	2.00	2.02	
95 Bromoform	173	9.288	9.288	0.000	71	13184	2.00	2.01	
94 Isopropylbenzene	105	9.391	9.391	0.000	92	113677	2.00	2.07	
101 Bromobenzene	156	9.744	9.744	0.000	92	27038	2.00	2.03	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	84	32087	2.00	2.05	
99 N-Propylbenzene	91	9.823	9.823	0.000	97	133968	2.00	2.04	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	45	10350	2.00	1.93	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.854	-0.001	65	9605	2.00	1.78	
103 2-Chlorotoluene	126	9.926	9.927	-0.001	92	26489	2.00	2.01	
102 1,3,5-Trimethylbenzene	105	9.999	10.006	-0.007	92	93972	2.00	1.99	
105 4-Chlorotoluene	126	10.036	10.036	0.000	72	27749	2.00	2.06	
106 tert-Butylbenzene	134	10.322	10.322	0.000	88	21922	2.00	2.17	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	83	97692	2.00	2.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	90	123900	2.00	2.09	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	67	58409	2.00	2.19	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	96	110078	2.00	2.13	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	76	55102	2.00	2.01	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	97329	2.00	2.09	
116 1,2-Dichlorobenzene	146	11.113	11.107	0.006	90	54757	2.00	2.07	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	42	5810	2.00	1.88	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	86	38924	2.00	2.03	
120 Hexachlorobutadiene	225	12.621	12.622	-0.001	82	18177	2.00	2.34	
121 Naphthalene	128	12.725	12.725	0.000	96	112482	2.00	1.96	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	88	39472	2.00	2.11	
S 126 1,3-Dichloropropene, Total	1				0			3.81	
S 124 Xylenes, Total	1				0			4.14	
S 125 1,2-Dichloroethene, Total	1				0			4.36	
S 123 Total BTEX	1				0			10.4	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GAS CORP mix_00413	Amount Added:	2.00	Units: uL	
8260 CORP mix_00191	Amount Added:	2.00	Units: uL	
S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

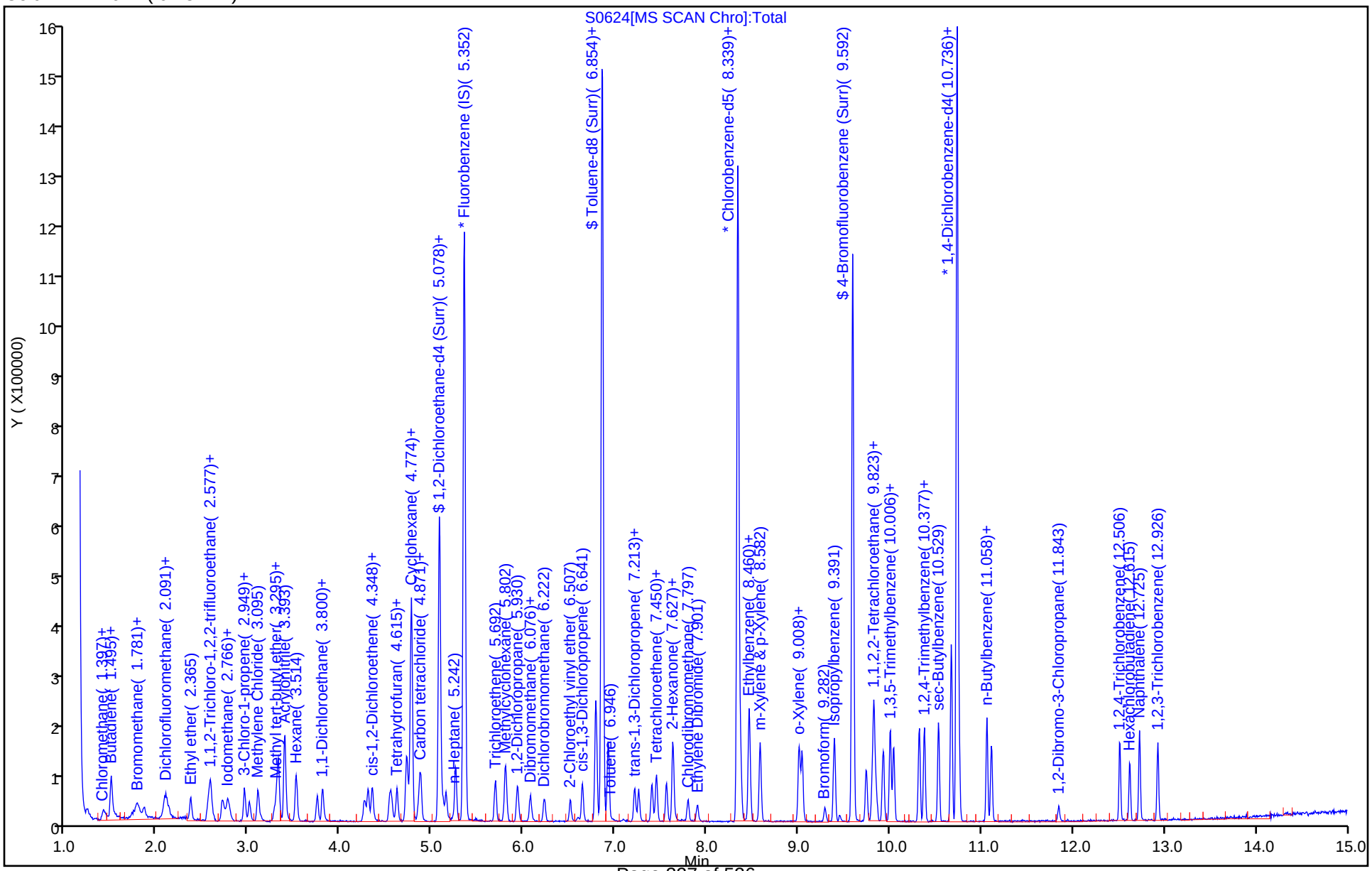
Report Date: 16-Aug-2020 16:28:52 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0624.D

Injection Date:	14-Aug-2020 14:21:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

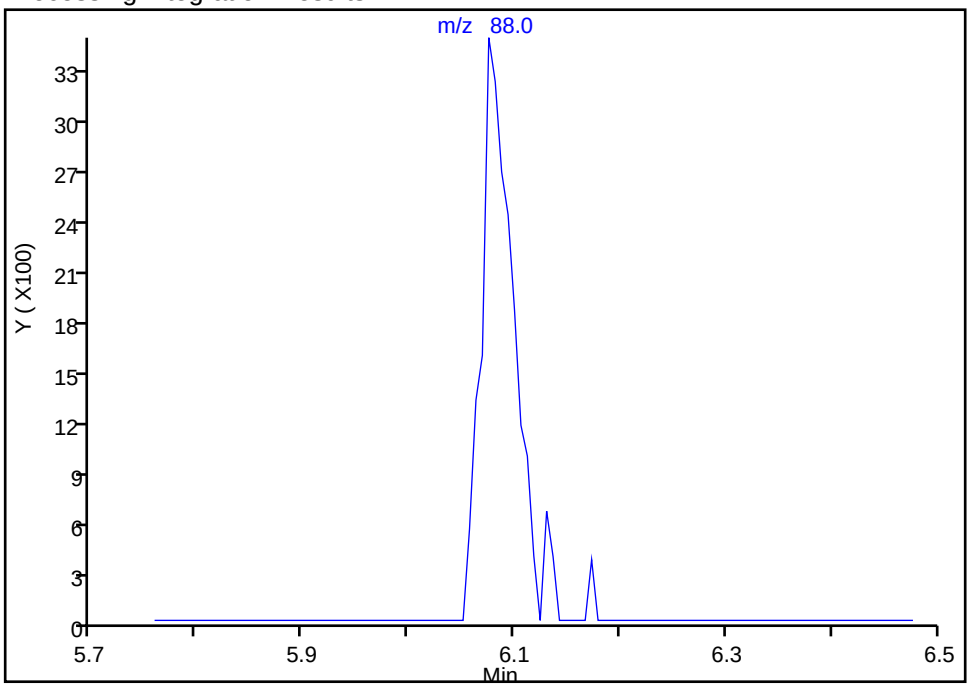
Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0624.D				
Injection Date:	14-Aug-2020 14:21:30	Instrument ID:	HP5973S		
Lims ID:	IC 2				
Client ID:					
Operator ID:	LH	ALS Bottle#:	5	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

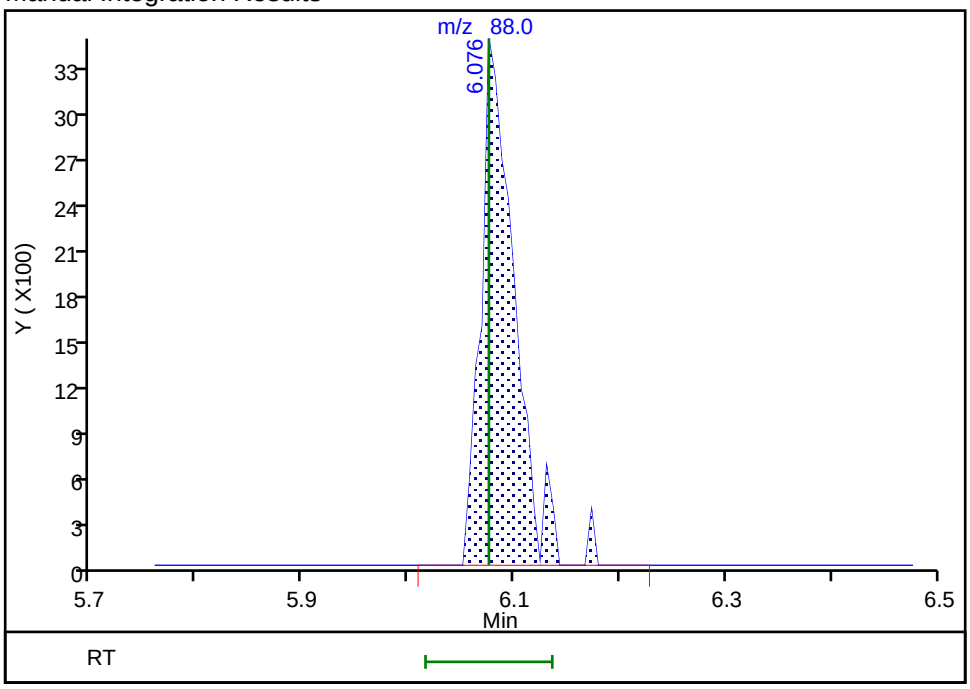
Not Detected
Expected RT: 6.08

Processing Integration Results



Manual Integration Results

RT: 6.08
Area: 7633
Amount: 42.638315
Amount Units: ug/L



Reviewer: HillL, 15-Aug-2020 09:14:39
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0625.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Aug-2020 14:46:30 ALS Bottle#: 6 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0092768-010
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:28:57 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:15:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	192938	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	87	392291	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	92	369796	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	56	231964	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.084	5.078	0.006	90	155575	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	93	919626	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	88	287969	25.0	24.6	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	93	69099	5.00	5.17	
12 Chloromethane	50	1.422	1.410	0.012	98	78824	5.00	5.24	
151 Butadiene	54	1.501	1.489	0.012	92	70517	5.00	4.92	
13 Vinyl chloride	62	1.519	1.501	0.018	96	69260	5.00	5.17	
14 Bromomethane	94	1.793	1.775	0.018	84	44868	5.00	5.02	
15 Chloroethane	64	1.866	1.854	0.012	93	45801	5.00	5.17	
16 Dichlorofluoromethane	67	2.091	2.079	0.012	95	97345	5.00	5.13	
17 Trichlorofluoromethane	101	2.109	2.091	0.018	62	87423	5.00	5.06	
18 Ethyl ether	59	2.365	2.365	0.000	91	55745	5.00	5.07	
20 Acrolein	56	2.547	2.547	0.000	94	47810	25.0	22.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.584	2.572	0.012	79	49859	5.00	5.47	
22 1,1-Dichloroethene	96	2.596	2.578	0.018	85	46467	5.00	5.12	
23 Acetone	43	2.705	2.705	0.000	96	142199	25.0	25.5	
25 Iodomethane	142	2.766	2.736	0.030	90	83041	5.00	5.00	
26 Carbon disulfide	76	2.797	2.766	0.031	98	158857	5.00	5.03	
28 3-Chloro-1-propene	41	2.955	2.949	0.006	84	93840	5.00	4.97	
27 Methyl acetate	43	3.003	3.003	0.000	95	124982	10.0	10.1	
30 Methylene Chloride	84	3.101	3.101	0.000	95	63341	5.00	5.19	
31 2-Methyl-2-propanol	59	3.283	3.277	0.006	90	89563	50.0	48.9	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	92	177514	5.00	4.91	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	95	56197	5.00	5.20	
33 Acrylonitrile	53	3.387	3.387	0.000	100	314472	50.0	50.6	
35 Hexane	57	3.514	3.514	0.000	94	88034	5.00	5.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	84	100180	5.00	5.00	
37 Vinyl acetate	43	3.800	3.800	0.000	98	225451	10.0	8.89	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	86	50905	5.00	4.56	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	65	62697	5.00	5.14	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	100	213823	25.0	26.0	
48 Chlorobromomethane	128	4.536	4.537	-0.001	93	31286	5.00	4.96	
49 Tetrahydrofuran	42	4.555	4.555	0.000	90	56081	10.0	9.58	
50 Chloroform	83	4.616	4.616	0.000	81	99413	5.00	4.95	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	79	77891	5.00	4.92	
52 Cyclohexane	56	4.725	4.725	0.000	91	101748	5.00	5.21	
55 Carbon tetrachloride	117	4.859	4.859	0.000	89	66435	5.00	5.16	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	85	77089	5.00	5.12	
57 Benzene	78	5.078	5.078	0.000	77	237242	5.00	5.11	
53 Isobutyl alcohol	43	5.108	5.108	0.000	93	72857	125.0	114.3	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	68	85671	5.00	4.89	
59 n-Heptane	43	5.254	5.254	0.000	92	93684	5.00	5.08	
62 Trichloroethene	95	5.686	5.686	0.000	89	59498	5.00	5.14	
64 Methylcyclohexane	83	5.802	5.802	0.000	89	100308	5.00	5.24	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	86	60290	5.00	5.27	
67 Dibromomethane	93	6.070	6.070	0.000	87	35965	5.00	4.91	
66 1,4-Dioxane	88	6.082	6.076	0.006	60	19529	100.0	108.9	
68 Dichlorobromomethane	83	6.222	6.222	0.000	88	74447	5.00	5.15	
69 2-Chloroethyl vinyl ether	63	6.508	6.508	0.000	91	41572	5.00	4.85	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	87	90363	5.00	4.95	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	97	427100	25.0	26.4	
74 Toluene	92	6.921	6.921	0.000	85	146756	5.00	5.08	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	96	84330	5.00	4.91	
75 Ethyl methacrylate	69	7.256	7.256	0.000	83	76613	5.00	4.98	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	91	46557	5.00	5.04	
81 Tetrachloroethene	166	7.450	7.451	-0.001	79	61922	5.00	5.30	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	94	97049	5.00	5.18	
80 2-Hexanone	43	7.627	7.627	0.000	97	301152	25.0	26.9	
83 Chlorodibromomethane	129	7.791	7.797	-0.006	87	50965	5.00	4.97	
84 Ethylene Dibromide	107	7.895	7.895	0.000	94	56693	5.00	5.05	
87 Chlorobenzene	112	8.369	8.369	0.000	92	164712	5.00	5.20	
88 Ethylbenzene	91	8.460	8.460	0.000	99	273586	5.00	5.05	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.467	0.000	45	49808	5.00	4.96	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	98	107997	5.00	5.24	
91 o-Xylene	106	9.008	9.008	0.000	96	108627	5.00	5.20	
92 Styrene	104	9.038	9.038	0.000	94	175987	5.00	5.09	
95 Bromoform	173	9.288	9.288	0.000	83	31230	5.00	4.76	
94 Isopropylbenzene	105	9.391	9.391	0.000	95	281916	5.00	5.28	
101 Bromobenzene	156	9.738	9.744	-0.006	95	68427	5.00	5.26	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	84	80228	5.00	5.27	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	335675	5.00	5.24	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	59	26850	5.00	5.13	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	81	25266	5.00	4.80	
103 2-Chlorotoluene	126	9.927	9.927	-0.001	96	66502	5.00	5.18	
102 1,3,5-Trimethylbenzene	105	10.000	10.006	-0.006	93	236078	5.00	5.14	
105 4-Chlorotoluene	126	10.036	10.036	0.000	95	71280	5.00	5.42	
106 tert-Butylbenzene	134	10.322	10.322	0.000	91	54287	5.00	5.52	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	34	235319	5.00	5.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	302602	5.00	5.22	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	73	136910	5.00	5.27	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	95	258818	5.00	5.14	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	79	138259	5.00	5.17	
115 n-Butylbenzene	91	11.058	11.058	0.000	97	234249	5.00	5.16	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	92	135019	5.00	5.25	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	57	15246	5.00	5.07	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	92	94843	5.00	5.07	
120 Hexachlorobutadiene	225	12.622	12.622	0.000	90	37397	5.00	4.94	
121 Naphthalene	128	12.725	12.725	0.000	97	281184	5.00	5.03	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	94	93916	5.00	5.16	
S 126 1,3-Dichloropropene, Total	1				0			9.86	
S 124 Xylenes, Total	1				0			10.4	
S 125 1,2-Dichloroethene, Total	1				0			10.3	
S 123 Total BTEX	1				0			25.7	

Reagents:

GAS CORP mix_00413	Amount Added:	5.00	Units: uL	
8260 CORP mix_00191	Amount Added:	5.00	Units: uL	
S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

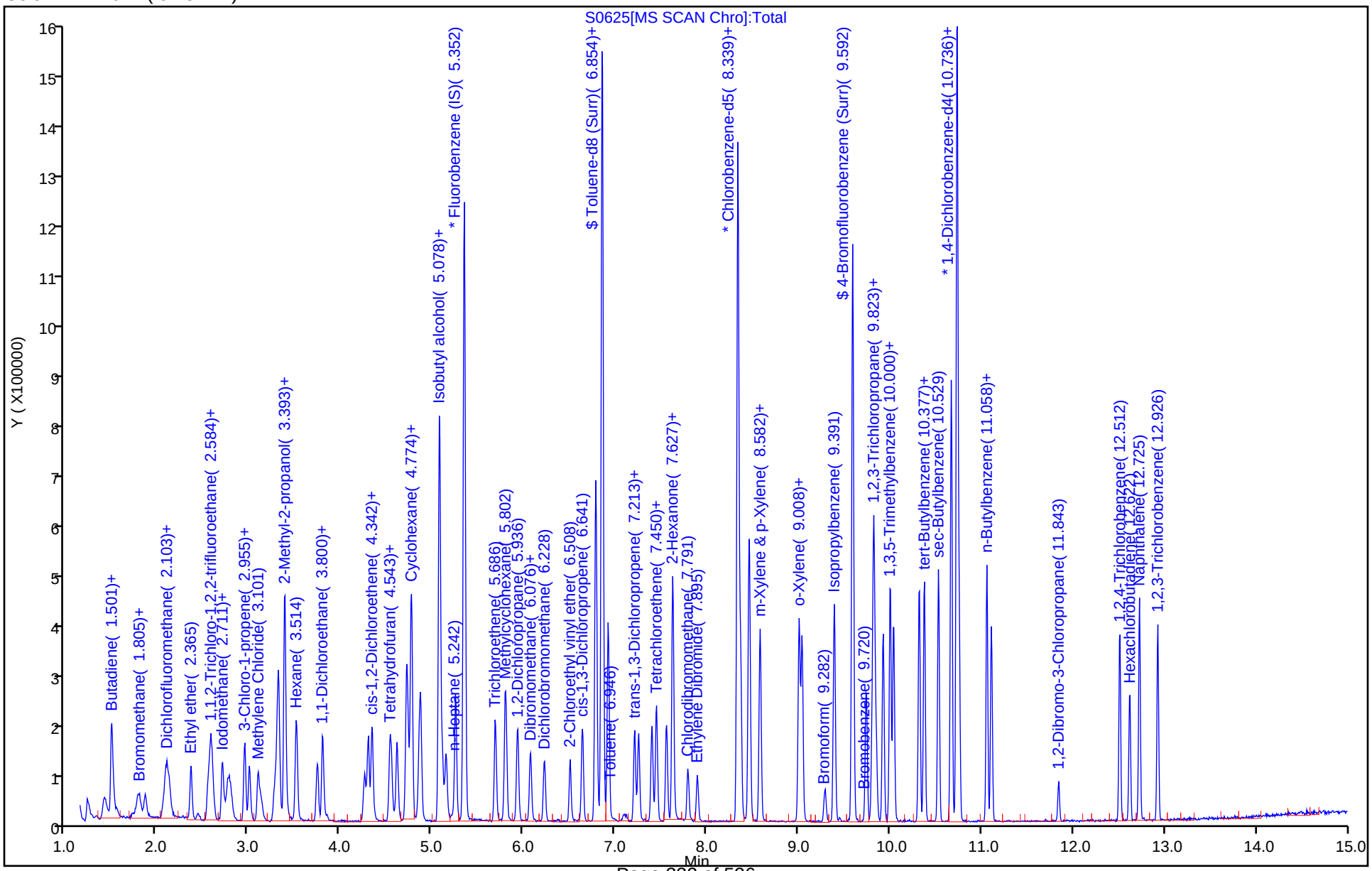
Report Date: 16-Aug-2020 16:28:58 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0625.D

Injection Date:	14-Aug-2020 14:46:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0626.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Aug-2020 15:09:30 ALS Bottle#: 7 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0092768-011
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:29:02 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:23:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.352	-0.006	98	178700	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	378981	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	84	369385	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	64	223077	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	78	146407	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.860	6.854	0.006	92	893742	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	283045	25.0	25.0	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	85	133601	10.0	10.8	
12 Chloromethane	50	1.410	1.410	0.000	88	140833	10.0	10.1	
151 Butadiene	54	1.495	1.489	0.006	92	136642	10.0	10.3	
13 Vinyl chloride	62	1.501	1.501	0.000	50	132704	10.0	10.7	
14 Bromomethane	94	1.775	1.775	0.000	90	90188	10.0	10.9	
15 Chloroethane	64	1.860	1.854	0.006	94	83822	10.0	10.2	
16 Dichlorofluoromethane	67	2.085	2.079	0.006	81	186222	10.0	10.6	
17 Trichlorofluoromethane	101	2.079	2.091	-0.012	55	167409	10.0	10.5	
18 Ethyl ether	59	2.365	2.365	0.000	93	110276	10.0	10.8	
20 Acrolein	56	2.547	2.547	0.000	94	103182	50.0	53.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.571	2.572	-0.001	65	81021	10.0	9.60	
22 1,1-Dichloroethene	96	2.578	2.578	0.000	97	85638	10.0	10.2	
23 Acetone	43	2.705	2.705	0.000	97	264271	50.0	51.2	
25 Iodomethane	142	2.736	2.736	0.000	98	154147	10.0	10.0	
26 Carbon disulfide	76	2.772	2.766	0.006	98	283526	10.0	9.69	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	85	172077	10.0	9.83	
27 Methyl acetate	43	3.003	3.003	0.000	96	236487	20.0	20.7	
30 Methylene Chloride	84	3.095	3.101	-0.006	92	107549	10.0	10.2	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	94	171715	100.0	101.2	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	92	358753	10.0	10.7	
34 trans-1,2-Dichloroethene	96	3.320	3.326	-0.006	77	95829	10.0	9.57	
33 Acrylonitrile	53	3.387	3.387	0.000	99	610095	100.0	106.0	
35 Hexane	57	3.514	3.514	0.000	93	136776	10.0	8.61	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	86	179464	10.0	9.67	
37 Vinyl acetate	43	3.800	3.800	0.000	98	467910	20.0	19.9	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	90	103198	10.0	9.98	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	67	112057	10.0	9.91	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	98	400026	50.0	52.4	
48 Chlorobromomethane	128	4.536	4.537	-0.001	93	60400	10.0	10.3	
49 Tetrahydrofuran	42	4.555	4.555	0.000	91	113422	20.0	20.9	
50 Chloroform	83	4.616	4.616	0.000	80	184835	10.0	9.93	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	89	137659	10.0	9.39	
52 Cyclohexane	56	4.725	4.725	0.000	92	163258	10.0	9.03	
55 Carbon tetrachloride	117	4.859	4.859	0.000	81	114655	10.0	9.61	
54 1,1-Dichloropropene	75	4.877	4.871	0.006	92	133045	10.0	9.55	
57 Benzene	78	5.078	5.078	0.000	94	433467	10.0	10.1	
53 Isobutyl alcohol	43	5.108	5.108	0.000	91	141445	250.0	239.6	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	68	163979	10.0	10.1	
59 n-Heptane	43	5.254	5.254	0.000	92	154934	10.0	9.06	
62 Trichloroethene	95	5.692	5.686	0.006	91	102668	10.0	9.57	
64 Methylcyclohexane	83	5.802	5.802	0.000	91	160573	10.0	9.06	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	84	103038	10.0	9.72	
67 Dibromomethane	93	6.070	6.070	0.000	91	70967	10.0	10.5	
66 1,4-Dioxane	88	6.076	6.076	0.000	51	34577	200.0	199.6	
68 Dichlorobromomethane	83	6.222	6.222	0.000	97	135745	10.0	10.1	
69 2-Chloroethyl vinyl ether	63	6.501	6.508	-0.007	94	79604	10.0	10.0	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	86	171027	10.0	10.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	802783	50.0	51.3	
74 Toluene	92	6.921	6.921	0.000	89	270263	10.0	9.68	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	93	162053	10.0	9.78	
75 Ethyl methacrylate	69	7.256	7.256	0.000	72	146237	10.0	9.84	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	87	84301	10.0	9.45	
81 Tetrachloroethene	166	7.451	7.451	0.000	76	104993	10.0	9.30	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	94	180388	10.0	9.97	
80 2-Hexanone	43	7.627	7.627	0.000	97	558222	50.0	51.7	
83 Chlorodibromomethane	129	7.791	7.797	-0.006	87	99970	10.0	10.1	
84 Ethylene Dibromide	107	7.895	7.895	0.000	97	107063	10.0	9.87	
87 Chlorobenzene	112	8.369	8.369	0.000	93	298860	10.0	9.77	
88 Ethylbenzene	91	8.460	8.460	0.000	99	500573	10.0	9.57	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.467	0.000	41	94390	10.0	9.72	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	99	201804	10.0	10.1	
91 o-Xylene	106	9.008	9.008	0.000	97	203273	10.0	10.1	
92 Styrene	104	9.038	9.038	0.000	94	324025	10.0	9.70	
95 Bromoform	173	9.288	9.288	0.000	92	60033	10.0	9.47	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	505607	10.0	9.48	
101 Bromobenzene	156	9.744	9.744	0.000	94	128620	10.0	9.90	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	89	152056	10.0	10.0	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	610025	10.0	9.54	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	64	50986	10.0	9.75	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	84	52141	10.0	9.92	
103 2-Chlorotoluene	126	9.927	9.927	0.000	95	124042	10.0	9.67	
102 1,3,5-Trimethylbenzene	105	10.000	10.006	-0.006	83	439452	10.0	9.57	
105 4-Chlorotoluene	126	10.042	10.036	0.006	95	124794	10.0	9.50	
106 tert-Butylbenzene	134	10.316	10.322	-0.006	87	91720	10.0	9.34	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	60	450229	10.0	9.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	541981	10.0	9.37	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	73	246349	10.0	9.49	
110 4-Isopropyltoluene	119	10.675	10.669	0.006	96	477321	10.0	9.49	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	92	263107	10.0	9.84	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	426855	10.0	9.42	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	92	254014	10.0	9.88	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	70	29807	10.0	9.92	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	93	180194	10.0	9.65	
120 Hexachlorobutadiene	225	12.622	12.622	0.000	92	71396	10.0	9.45	
121 Naphthalene	128	12.725	12.725	0.000	97	558378	10.0	10.0	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	95	174869	10.0	9.61	
S 126 1,3-Dichloropropene, Total	1				0			19.9	
S 124 Xylenes, Total	1				0			20.2	
S 125 1,2-Dichloroethene, Total	1				0			19.5	
S 123 Total BTEX	1				0			49.5	

Reagents:

GAS CORP mix_00413	Amount Added:	5.00	Units: uL	
8260 CORP mix_00191	Amount Added:	5.00	Units: uL	
S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

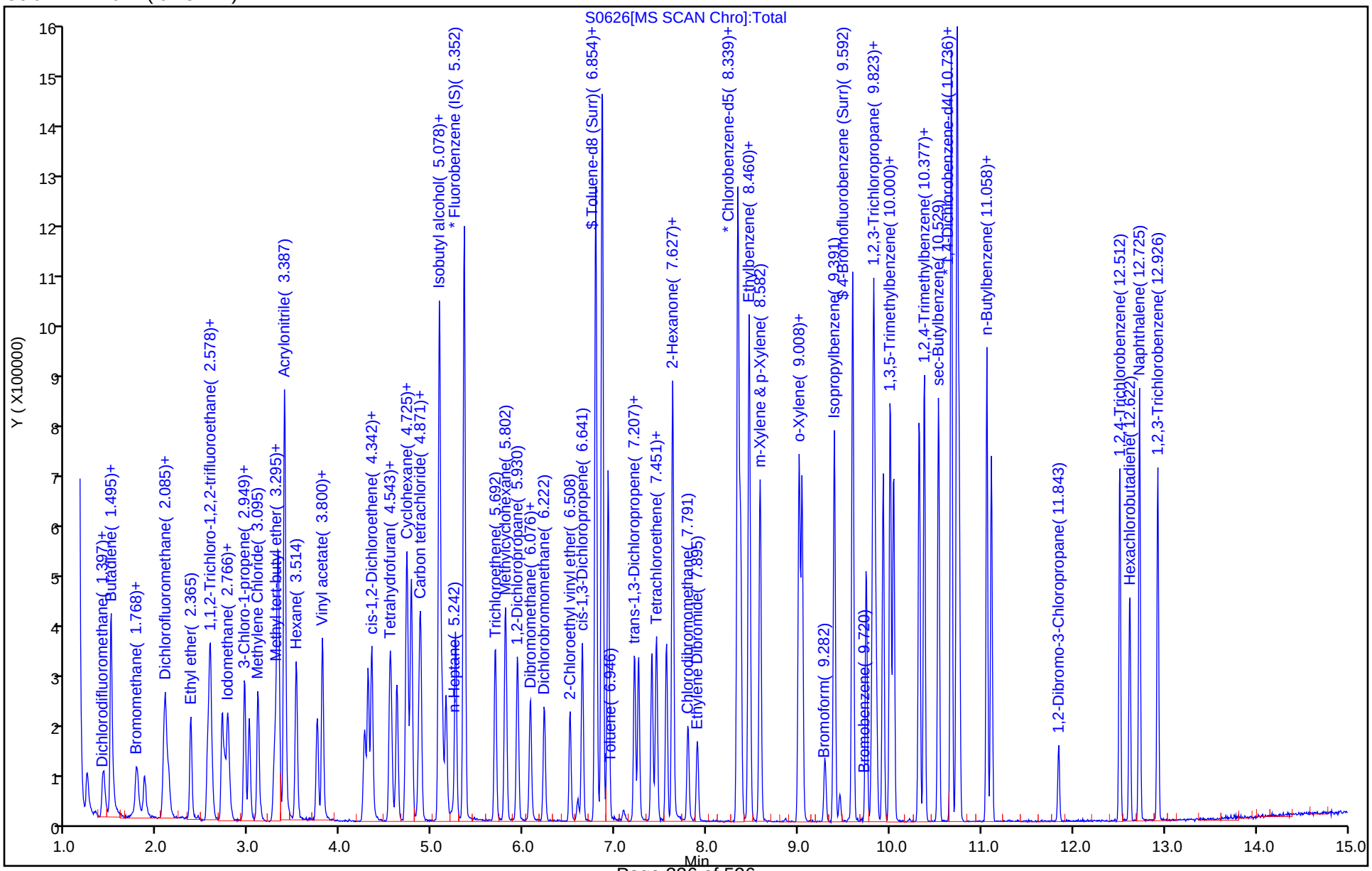
Report Date: 16-Aug-2020 16:29:03 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0626.D

Injection Date:	14-Aug-2020 15:09:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0627.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 14-Aug-2020 15:32:30 ALS Bottle#: 8 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0092768-012
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:29:08 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:09:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	183428	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	379538	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	61	360857	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	55	222726	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	50	149784	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	85	896312	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	279740	25.0	24.7	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	88	314775	25.0	24.8	
12 Chloromethane	50	1.410	1.410	0.000	100	360196	25.0	25.2	
151 Butadiene	54	1.489	1.489	0.000	68	327911	25.0	24.0	
13 Vinyl chloride	62	1.501	1.501	0.000	67	330408	25.0	26.0	
14 Bromomethane	94	1.775	1.775	0.000	91	205214	25.0	24.1	
15 Chloroethane	64	1.854	1.854	0.000	95	207662	25.0	24.6	
16 Dichlorofluoromethane	67	2.079	2.079	0.000	81	451247	25.0	25.0	
17 Trichlorofluoromethane	101	2.091	2.091	0.000	61	414337	25.0	25.2	
18 Ethyl ether	59	2.365	2.365	0.000	91	261503	25.0	25.0	
20 Acrolein	56	2.547	2.547	0.000	96	239891	125.0	121.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.572	2.572	0.000	58	218369	25.0	25.2	
22 1,1-Dichloroethene	96	2.578	2.578	0.000	88	210842	25.0	24.4	
23 Acetone	43	2.705	2.705	0.000	99	613944	125.0	116.0	
25 Iodomethane	142	2.736	2.736	0.000	99	374202	25.0	23.7	
26 Carbon disulfide	76	2.766	2.766	0.000	98	732874	25.0	24.4	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	87	428510	25.0	23.9	
27 Methyl acetate	43	3.003	3.003	0.000	95	556832	50.0	47.5	
30 Methylene Chloride	84	3.101	3.101	0.000	89	268997	25.0	25.9	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	94	404832	250.0	232.4	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	93	831298	25.0	24.2	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	92	247701	25.0	24.1	
33 Acrylonitrile	53	3.387	3.387	0.000	99	1419915	250.0	240.3	
35 Hexane	57	3.514	3.514	0.000	94	392074	25.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	85	453423	25.0	23.8	
37 Vinyl acetate	43	3.800	3.800	0.000	97	1235866	50.0	51.2	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	91	276818	25.0	26.1	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	80	283418	25.0	24.4	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	98	921524	125.0	117.7	
48 Chlorobromomethane	128	4.537	4.537	0.000	96	144412	25.0	24.1	
49 Tetrahydrofuran	42	4.555	4.555	0.000	88	251100	50.0	45.1	
50 Chloroform	83	4.616	4.616	0.000	80	451208	25.0	23.6	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	88	366707	25.0	24.4	
52 Cyclohexane	56	4.725	4.725	0.000	92	449706	25.0	24.2	
55 Carbon tetrachloride	117	4.859	4.859	0.000	77	293776	25.0	24.0	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	90	349146	25.0	24.4	
57 Benzene	78	5.078	5.078	0.000	97	1056027	25.0	23.9	
53 Isobutyl alcohol	43	5.108	5.108	0.000	91	370731	625.0	611.9	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	74	387583	25.0	23.3	
59 n-Heptane	43	5.254	5.254	0.000	93	409956	25.0	23.4	
62 Trichloroethene	95	5.686	5.686	0.000	93	270487	25.0	24.6	
64 Methylcyclohexane	83	5.802	5.802	0.000	91	453101	25.0	24.9	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	88	258712	25.0	23.8	
67 Dibromomethane	93	6.070	6.070	0.000	94	170555	25.0	24.5	
66 1,4-Dioxane	88	6.076	6.076	0.000	51	82757	500.0	476.9	
68 Dichlorobromomethane	83	6.222	6.222	0.000	92	335366	25.0	24.4	
69 2-Chloroethyl vinyl ether	63	6.508	6.508	0.000	93	201043	25.0	24.7	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	87	431563	25.0	24.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	1923739	125.0	122.7	
74 Toluene	92	6.921	6.921	0.000	88	686058	25.0	24.5	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	93	408271	25.0	24.6	
75 Ethyl methacrylate	69	7.256	7.256	0.000	74	377503	25.0	25.4	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	88	213472	25.0	23.9	
81 Tetrachloroethene	166	7.451	7.451	0.000	77	271227	25.0	24.0	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	94	448835	25.0	24.8	
80 2-Hexanone	43	7.627	7.627	0.000	97	1346158	125.0	124.5	
83 Chlorodibromomethane	129	7.797	7.797	0.000	87	242139	25.0	24.4	
84 Ethylene Dibromide	107	7.895	7.895	0.000	98	269841	25.0	24.8	
87 Chlorobenzene	112	8.369	8.369	0.000	93	758614	25.0	24.8	
88 Ethylbenzene	91	8.460	8.460	0.000	99	1276811	25.0	24.4	
89 1,1,1,2-Tetrachloroethane	131	8.467	8.467	0.000	42	241787	25.0	24.9	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	98	495155	25.0	24.8	
91 o-Xylene	106	9.008	9.008	0.000	97	498696	25.0	24.7	
92 Styrene	104	9.038	9.038	0.000	93	843283	25.0	25.2	
95 Bromoform	173	9.288	9.288	0.000	94	151232	25.0	23.8	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1313915	25.0	25.2	
101 Bromobenzene	156	9.744	9.744	0.000	94	320459	25.0	25.2	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	92	366849	25.0	24.7	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	1586332	25.0	25.4	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	64	123572	25.0	24.2	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	85	131133	25.0	25.5	
103 2-Chlorotoluene	126	9.927	9.927	0.000	95	314318	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	10.006	10.006	0.000	94	1121027	25.0	25.0	
105 4-Chlorotoluene	126	10.036	10.036	0.000	98	321345	25.0	25.1	
106 tert-Butylbenzene	134	10.322	10.322	0.000	91	244371	25.0	25.5	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	39	1151477	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	95	1434074	25.0	25.4	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	70	625776	25.0	24.7	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	97	1246397	25.0	25.4	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	645492	25.0	24.7	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	1127347	25.0	25.5	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	91	630555	25.0	25.1	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	71	73025	25.0	24.9	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	93	462054	25.0	25.3	
120 Hexachlorobutadiene	225	12.622	12.622	0.000	97	189255	25.0	25.6	
121 Naphthalene	128	12.725	12.725	0.000	97	1411981	25.0	25.9	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	94	449202	25.0	25.3	

Reagents:

GAS CORP mix_00413	Amount Added: 12.50	Units: uL	
8260 CORP mix_00191	Amount Added: 12.50	Units: uL	
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added: 1.00	Units: uL	Run Reagent

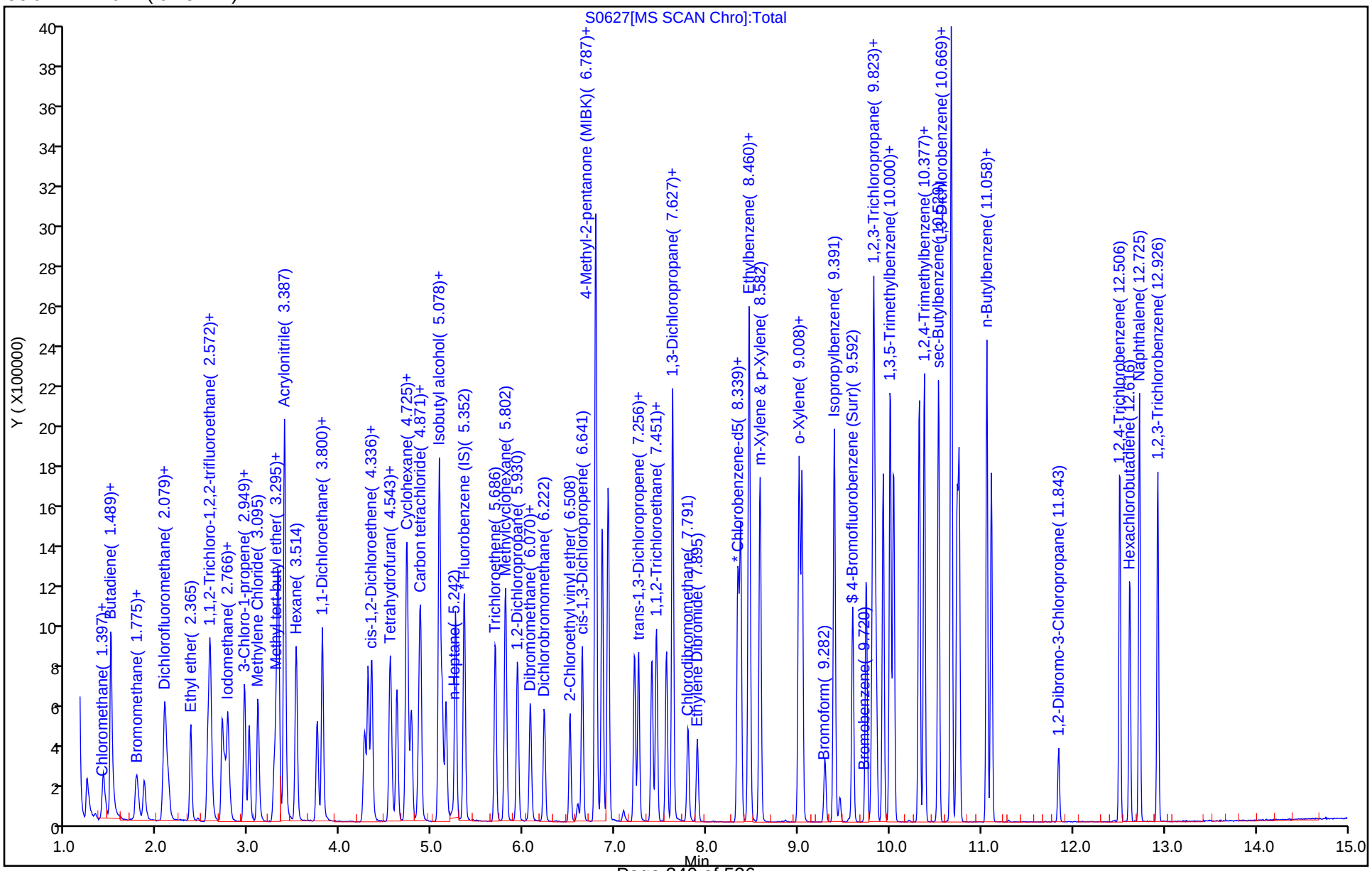
Report Date: 16-Aug-2020 16:29:10 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0627.D

Injection Date:	14-Aug-2020 15:32:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0628.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Aug-2020 15:55:30 ALS Bottle#: 9 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0092768-013
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:29:14 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:25:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	186767	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	84	385457	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	49	370729	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	57	222089	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	45	150228	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.860	6.854	0.006	53	921240	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	293662	25.0	25.5	
10 Dichlorodifluoromethane	85	1.239	1.233	0.006	99	682611	50.0	52.8	
12 Chloromethane	50	1.416	1.410	0.006	82	706241	50.0	48.5	
151 Butadiene	54	1.495	1.489	0.006	92	687458	50.0	49.5	
13 Vinyl chloride	62	1.507	1.501	0.006	60	653643	50.0	50.4	
14 Bromomethane	94	1.781	1.775	0.006	91	403318	50.0	46.6	
15 Chloroethane	64	1.860	1.854	0.006	94	399135	50.0	46.5	
16 Dichlorofluoromethane	67	2.085	2.079	0.006	82	904119	50.0	49.2	
17 Trichlorofluoromethane	101	2.097	2.091	0.006	62	836161	50.0	50.0	
18 Ethyl ether	59	2.365	2.365	0.000	91	532982	50.0	50.1	
20 Acrolein	56	2.547	2.547	0.000	99	480788	250.0	238.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.578	2.572	0.006	59	474658	50.0	53.8	
22 1,1-Dichloroethene	96	2.578	2.578	0.000	87	457925	50.0	52.1	
23 Acetone	43	2.711	2.705	0.006	98	1256902	250.0	233.2	
25 Iodomethane	142	2.742	2.736	0.006	99	784664	50.0	48.8	
26 Carbon disulfide	76	2.772	2.766	0.006	98	1590472	50.0	52.0	
28 3-Chloro-1-propene	41	2.955	2.949	0.006	87	907084	50.0	49.6	
27 Methyl acetate	43	3.003	3.003	0.000	96	1133968	100.0	95.1	
30 Methylene Chloride	84	3.101	3.101	0.000	91	538088	50.0	51.6	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	96	894454	500.0	504.3	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	93	1729252	50.0	49.4	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	93	534137	50.0	51.0	
33 Acrylonitrile	53	3.387	3.387	0.000	99	2939169	500.0	488.4	
35 Hexane	57	3.514	3.514	0.000	94	897057	50.0	54.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	85	970096	50.0	50.0	
37 Vinyl acetate	43	3.800	3.800	0.000	97	2788230	100.0	113.5	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	92	568720	50.0	52.6	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	80	596284	50.0	50.5	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	94	1948472	250.0	244.4	
48 Chlorobromomethane	128	4.536	4.537	-0.001	94	310221	50.0	50.8	
49 Tetrahydrofuran	42	4.549	4.555	-0.006	86	525989	100.0	92.8	
50 Chloroform	83	4.616	4.616	0.000	80	961056	50.0	49.4	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	81	804498	50.0	52.5	
52 Cyclohexane	56	4.725	4.725	0.000	93	1022511	50.0	54.1	
55 Carbon tetrachloride	117	4.859	4.859	0.000	81	678069	50.0	54.4	
54 1,1-Dichloropropene	75	4.877	4.871	0.006	92	772425	50.0	53.0	
57 Benzene	78	5.078	5.078	0.000	98	2306341	50.0	51.3	
53 Isobutyl alcohol	43	5.108	5.108	0.000	92	857539	1250.0	1390.0	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	73	824961	50.0	48.7	
59 n-Heptane	43	5.254	5.254	0.000	95	949473	50.0	53.1	
62 Trichloroethene	95	5.686	5.686	0.000	93	576628	50.0	51.4	
64 Methylcyclohexane	83	5.802	5.802	0.000	92	1031619	50.0	55.7	
65 1,2-Dichloropropane	63	5.936	5.930	0.006	89	568199	50.0	51.3	
67 Dibromomethane	93	6.069	6.070	-0.001	93	364584	50.0	51.4	
66 1,4-Dioxane	88	6.076	6.076	0.000	53	184721	1000.0	1048.2	
68 Dichlorobromomethane	83	6.222	6.222	0.000	92	725926	50.0	51.9	
69 2-Chloroethyl vinyl ether	63	6.507	6.508	-0.001	92	442760	50.0	53.4	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	87	929387	50.0	52.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	4147570	250.0	260.5	
74 Toluene	92	6.921	6.921	0.000	90	1487393	50.0	52.4	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	94	912439	50.0	54.1	
75 Ethyl methacrylate	69	7.256	7.256	0.000	73	847070	50.0	56.0	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	87	446253	50.0	49.2	
81 Tetrachloroethene	166	7.450	7.451	-0.001	78	609481	50.0	53.1	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	95	943914	50.0	51.3	
80 2-Hexanone	43	7.627	7.627	0.000	97	2901874	250.0	264.2	
83 Chlorodibromomethane	129	7.797	7.797	0.000	85	534730	50.0	53.0	
84 Ethylene Dibromide	107	7.895	7.895	0.000	99	567422	50.0	51.4	
87 Chlorobenzene	112	8.369	8.369	0.000	93	1638350	50.0	52.7	
88 Ethylbenzene	91	8.460	8.460	0.000	98	2844287	50.0	53.5	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.467	0.000	40	521438	50.0	52.8	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	99	1108822	50.0	54.8	
91 o-Xylene	106	9.008	9.008	0.000	98	1083037	50.0	52.8	
92 Styrene	104	9.038	9.038	0.000	94	1812011	50.0	53.4	
95 Bromoform	173	9.288	9.288	0.000	93	350607	50.0	54.4	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	2911734	50.0	54.4	
101 Bromobenzene	156	9.738	9.744	-0.006	96	693527	50.0	53.2	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	82	774477	50.0	50.7	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	3471245	50.0	54.1	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	62	257260	50.0	49.0	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.854	-0.001	85	281084	50.0	53.3	
103 2-Chlorotoluene	126	9.926	9.927	-0.001	96	668941	50.0	52.0	
102 1,3,5-Trimethylbenzene	105	10.006	10.006	0.000	94	2478356	50.0	53.8	
105 4-Chlorotoluene	126	10.042	10.036	0.006	98	689172	50.0	52.3	
106 tert-Butylbenzene	134	10.322	10.322	0.000	91	525613	50.0	53.3	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	39	2502167	50.0	54.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	3208732	50.0	55.3	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	70	1351059	50.0	51.9	
110 4-Isopropyltoluene	119	10.675	10.669	0.006	97	2828708	50.0	56.0	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	92	1358257	50.0	50.6	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	2558209	50.0	56.2	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	91	1339029	50.0	51.9	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	79	155603	50.0	51.6	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	92	1000919	50.0	53.4	
120 Hexachlorobutadiene	225	12.621	12.622	-0.001	95	410573	50.0	54.1	
121 Naphthalene	128	12.725	12.725	0.000	97	3000277	50.0	53.6	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	96	959067	50.0	52.5	
S 126 1,3-Dichloropropene, Total	1				0			106.7	
S 124 Xylenes, Total	1				0			107.5	
S 125 1,2-Dichloroethene, Total	1				0			101.5	
S 123 Total BTEX	1				0			264.7	

Reagents:

GAS CORP mix_00413	Amount Added: 25.00	Units: uL	
8260 CORP mix_00191	Amount Added: 25.00	Units: uL	
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added: 1.00	Units: uL	Run Reagent

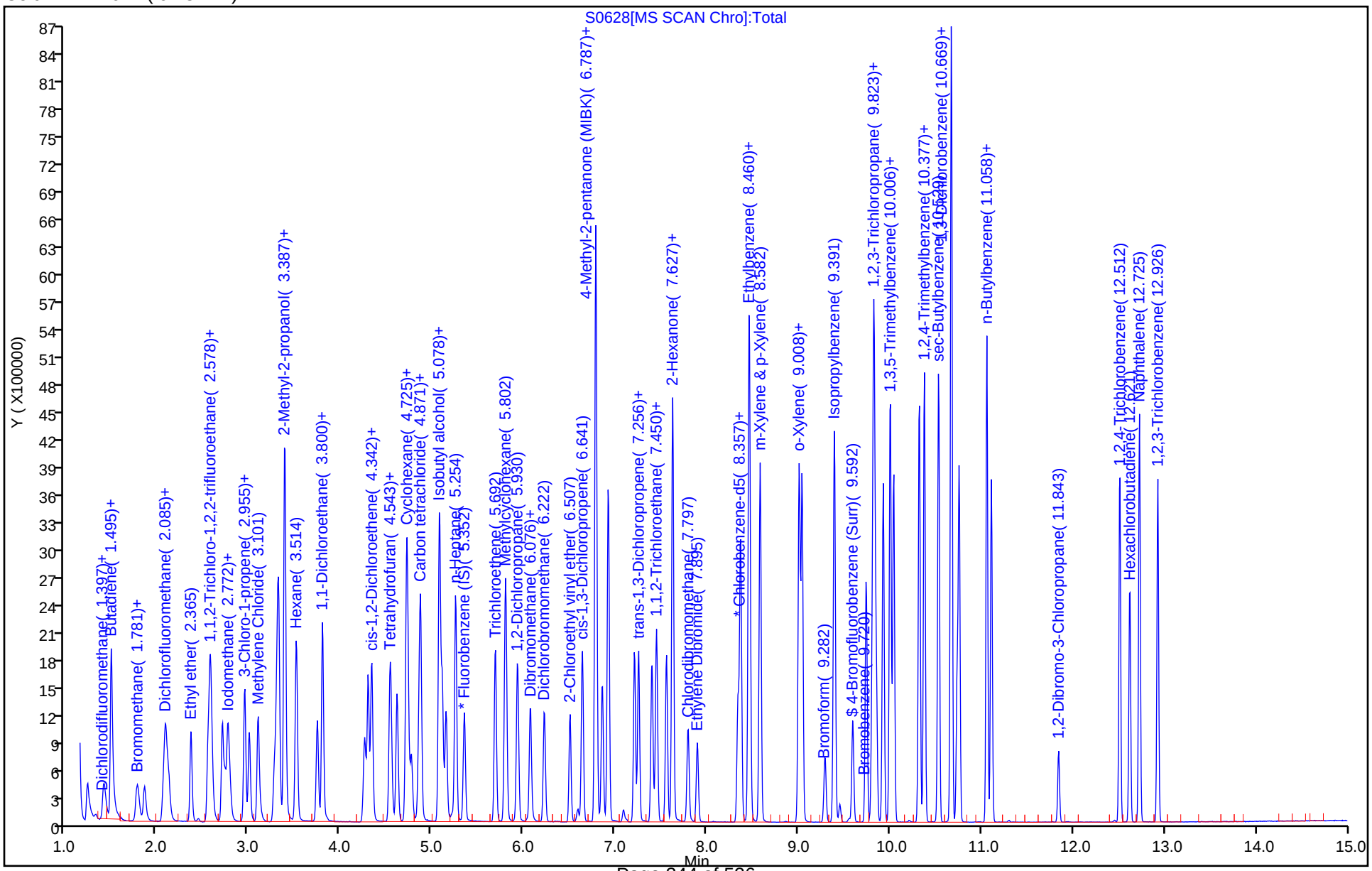
Report Date: 16-Aug-2020 16:29:15 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0628.D

Injection Date:	14-Aug-2020 15:55:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0629.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 14-Aug-2020 16:18:30 ALS Bottle#: 10 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0092768-014
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:29:20 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 15-Aug-2020 09:25:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	189444	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	88	399091	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	32	376111	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	56	221777	25.0	24.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	35	150729	25.0	24.3	
$ 5 Toluene-d8 (Surr)	98	6.860	6.854	0.006	29	936172	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	294059	25.0	24.7	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	88	1269404	100.0	96.8	
12 Chloromethane	50	1.410	1.410	0.000	88	1364240	100.0	92.3	
151 Butadiene	54	1.495	1.489	0.006	65	1280322	100.0	90.9	
13 Vinyl chloride	62	1.507	1.501	0.006	72	1264056	100.0	96.2	
14 Bromomethane	94	1.781	1.775	0.006	92	767846	100.0	87.5	
15 Chloroethane	64	1.860	1.854	0.006	95	777727	100.0	89.4	
16 Dichlorofluoromethane	67	2.085	2.079	0.006	82	1746983	100.0	93.8	
17 Trichlorofluoromethane	101	2.103	2.091	0.012	76	1553903	100.0	91.6	
18 Ethyl ether	59	2.365	2.365	0.000	92	1032697	100.0	95.7	
20 Acrolein	56	2.547	2.547	0.000	97	967281	500.0	472.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.571	2.572	-0.001	64	804379	100.0	89.9	
22 1,1-Dichloroethene	96	2.578	2.578	0.000	88	797836	100.0	89.5	
23 Acetone	43	2.705	2.705	0.000	98	2470776	500.0	452.0	
25 Iodomethane	142	2.736	2.736	0.000	100	1469813	100.0	90.1	
26 Carbon disulfide	76	2.772	2.766	0.006	98	2818535	100.0	90.9	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	86	1664864	100.0	89.7	
27 Methyl acetate	43	3.003	3.003	0.000	96	2249823	200.0	185.9	
30 Methylene Chloride	84	3.101	3.101	0.000	91	1023113	100.0	97.4	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	96	1794604	1000.0	997.4	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	92	3357573	100.0	94.5	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	93	981522	100.0	92.5	
33 Acrylonitrile	53	3.387	3.387	0.000	99	5851641	1000.0	958.7	
35 Hexane	57	3.514	3.514	0.000	93	1480794	100.0	88.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	85	1807109	100.0	91.9	
37 Vinyl acetate	43	3.800	3.800	0.000	97	5838935	200.0	234.4	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	91	965241	100.0	88.1	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	67	1129888	100.0	94.3	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	98	3923889	500.0	485.2	
48 Chlorobromomethane	128	4.536	4.537	-0.001	93	591667	100.0	95.5	
49 Tetrahydrofuran	42	4.549	4.555	-0.006	86	1027649	200.0	178.7	
50 Chloroform	83	4.616	4.616	0.000	81	1815505	100.0	92.0	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	93	1451968	100.0	93.4	
52 Cyclohexane	56	4.725	4.725	0.000	92	1725587	100.0	90.0	
55 Carbon tetrachloride	117	4.859	4.859	0.000	79	1232612	100.0	97.4	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	92	1374432	100.0	93.1	
57 Benzene	78	5.078	5.078	0.000	97	4344603	100.0	95.3	
53 Isobutyl alcohol	43	5.108	5.108	0.000	93	1900194	2500.0	3036.5	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	73	1609706	100.0	93.6	
59 n-Heptane	43	5.254	5.254	0.000	93	1566169	100.0	86.4	
62 Trichloroethene	95	5.686	5.686	0.000	92	1069638	100.0	94.0	
64 Methylcyclohexane	83	5.802	5.802	0.000	93	1709840	100.0	91.0	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	89	1093004	100.0	97.2	
67 Dibromomethane	93	6.070	6.070	0.000	91	708003	100.0	98.4	
66 1,4-Dioxane	88	6.082	6.076	0.006	61	342266	2000.0	1875.9	
68 Dichlorobromomethane	83	6.222	6.222	0.000	93	1426662	100.0	100.5	
69 2-Chloroethyl vinyl ether	63	6.508	6.508	0.000	94	892785	100.0	106.1	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	88	1828887	100.0	101.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	8273418	500.0	501.9	
74 Toluene	92	6.921	6.921	0.000	98	2820456	100.0	95.9	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	94	1809401	100.0	103.7	
75 Ethyl methacrylate	69	7.256	7.256	0.000	73	1762023	100.0	112.6	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	87	881165	100.0	93.8	
81 Tetrachloroethene	166	7.451	7.451	-0.001	78	1085652	100.0	91.3	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	95	1859241	100.0	97.6	
80 2-Hexanone	43	7.627	7.627	0.000	98	5832336	500.0	512.8	
83 Chlorodibromomethane	129	7.797	7.797	0.000	87	1111434	100.0	106.4	
84 Ethylene Dibromide	107	7.895	7.895	0.000	99	1134316	100.0	99.3	
87 Chlorobenzene	112	8.369	8.369	0.000	93	3122196	100.0	96.9	
88 Ethylbenzene	91	8.460	8.460	0.000	99	5397317	100.0	98.0	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.467	0.000	41	1041524	100.0	101.9	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	99	2096801	100.0	100.0	
91 o-Xylene	106	9.008	9.008	0.000	98	2045790	100.0	96.3	
92 Styrene	104	9.038	9.038	0.000	94	3569122	100.0	101.5	
95 Bromoform	173	9.288	9.288	0.000	94	743164	100.0	111.4	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	5367336	100.0	98.8	
101 Bromobenzene	156	9.744	9.744	0.000	94	1341652	100.0	101.4	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	82	1537540	100.0	99.3	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	6485930	100.0	99.6	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	60	507228	100.0	95.3	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	69	568353	100.0	106.2	
103 2-Chlorotoluene	126	9.927	9.927	0.000	93	1241009	100.0	95.0	
102 1,3,5-Trimethylbenzene	105	10.006	10.006	0.000	93	4713019	100.0	100.8	
105 4-Chlorotoluene	126	10.042	10.036	0.006	80	1329493	100.0	99.4	
106 tert-Butylbenzene	134	10.322	10.322	0.000	90	971327	100.0	97.1	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	41	4784673	100.0	102.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	5897038	100.0	100.1	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	71	2598033	100.0	98.3	
110 4-Isopropyltoluene	119	10.675	10.669	0.006	97	5199241	100.0	101.5	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	2646212	100.0	97.2	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	4631243	100.0	100.4	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	91	2580226	100.0	98.6	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	84	322309	100.0	105.4	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	93	1895010	100.0	99.6	
120 Hexachlorobutadiene	225	12.622	12.622	0.000	96	738162	100.0	95.9	
121 Naphthalene	128	12.725	12.725	0.000	97	5876002	100.0	103.4	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	92	1796326	100.0	97.0	
S 126 1,3-Dichloropropene, Total	1				0			205.6	
S 124 Xylenes, Total	1				0			196.3	
S 125 1,2-Dichloroethene, Total	1				0			186.7	
S 123 Total BTEX	1				0			485.5	

Reagents:

GAS CORP mix_00413	Amount Added: 50.00	Units: uL	
8260 CORP mix_00191	Amount Added: 50.00	Units: uL	
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 16-Aug-2020 16:29:22 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0629.D

Injection Date:	14-Aug-2020 16:18:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

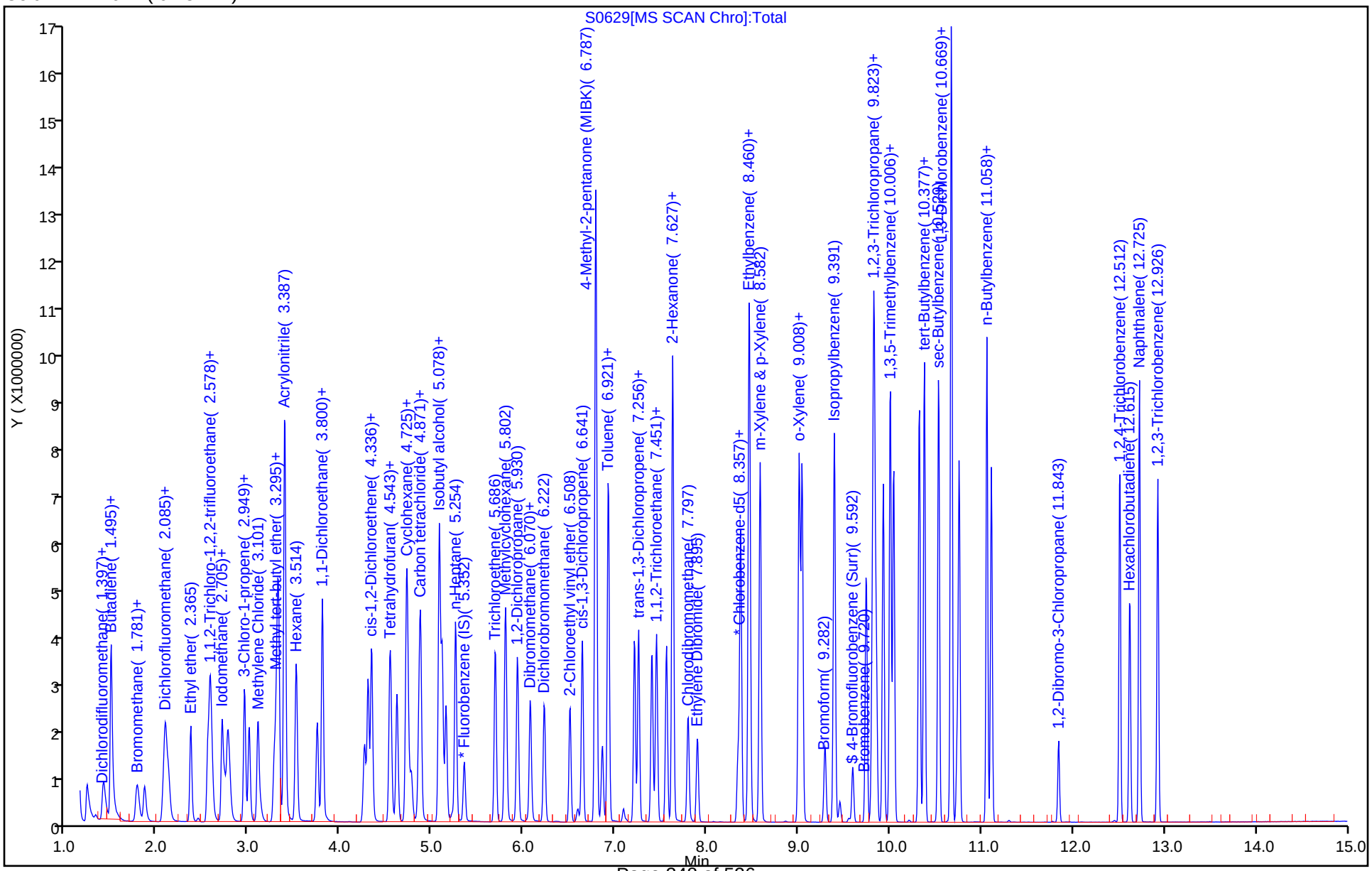


Table 10.pptx - Sh
ID Shape Name

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 08-Jul-2020 12:57:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: iblk
Misc. Info.: 480-0091875-005
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jul-2020 11:00:29 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1065

First Level Reviewer: farrellr Date: 09-Jul-2020 09:27:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.701	4.711	-0.010	98	189773	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.002	-0.001	90	701751	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.857	-0.001	96	417393	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	94	240359	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.483	4.494	-0.011	0	318255	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	863017	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	281398	25.0	24.7	
11 Dichlorodifluoromethane	85	1.146	1.157	-0.011	11	2022	0.4000	0.1657	
13 Chloromethane	50	1.302	1.312	-0.010	93	7180	0.4000	0.3862	
151 Butadiene	54	1.364	1.385	-0.021	85	3534	0.4000	0.2257	
14 Vinyl chloride	62	1.385	1.395	-0.010	93	3393	0.4000	0.2220	
15 Bromomethane	94	1.644	1.644	0.000	59	3622	0.4000	0.4106	
16 Chloroethane	64	1.696	1.706	-0.010	28	3449	0.4000	0.3928	a
18 Dichlorofluoromethane	67	1.892	1.913	-0.021	46	6842	0.4000	0.3604	
17 Trichlorofluoromethane	101	1.913	1.924	-0.011	19	4205	0.4000	0.2426	
19 Ethyl ether	59	2.141	2.152	-0.011	72	4269	0.4000	0.3791	
21 Acrolein	56	2.317	2.328	-0.011	54	2381	2.00	1.87	
22 1,1-Dichloroethene	96	2.348	2.359	-0.011	91	2172	0.4000	0.2443	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.369	2.369	0.000	48	1754	0.4000	0.1856	a
23 Acetone	43	2.462	2.473	-0.011	89	11987	2.00	2.27	
24 Iodomethane	142	2.504	2.514	-0.010	85	5461	0.4000	0.3224	
25 Carbon disulfide	76	2.535	2.535	0.000	77	9293	0.4000	0.3201	
27 3-Chloro-1-propene	41	2.690	2.701	-0.011	86	7433	0.4000	0.3772	
28 Methyl acetate	43	2.732	2.732	0.000	100	11458	0.8000	0.8908	
30 Methylene Chloride	84	2.825	2.835	-0.010	96	11874	0.4000	0.4160	
31 2-Methyl-2-propanol	59	2.981	2.981	0.000	66	5555	4.00	3.73	
33 Methyl tert-butyl ether	73	3.001	3.012	-0.011	88	10932	0.4000	0.3754	
32 trans-1,2-Dichloroethene	96	3.022	3.032	-0.010	86	2912	0.4000	0.2976	
34 Acrylonitrile	53	3.084	3.084	0.000	98	25320	4.00	3.86	
35 Hexane	57	3.177	3.188	-0.011	89	4804	0.4000	0.2409	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.385	3.385	0.000	95	7173	0.4000	0.3511	
39 Vinyl acetate	43	3.426	3.426	0.000	96	19942	0.8000	0.7259	
42 2,2-Dichloropropane	77	3.830	3.830	0.000	50	3373	0.4000	0.2800	
43 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	83	3658	0.4000	0.3405	
44 2-Butanone (MEK)	43	3.882	3.882	0.000	89	13927	2.00	1.79	
47 Chlorobromomethane	128	4.048	4.048	0.000	83	2658	0.4000	0.4306	
48 Tetrahydrofuran	42	4.069	4.058	0.011	90	7868	0.8000	1.41	
50 Chloroform	83	4.110	4.120	-0.010	95	8282	0.4000	0.4348	
52 Cyclohexane	56	4.214	4.214	0.000	24	4580	0.4000	0.1958	a
51 1,1,1-Trichloroethane	97	4.214	4.214	0.000	27	3434	0.4000	0.2230	a
53 Carbon tetrachloride	117	4.317	4.317	0.000	79	3149	0.4000	0.2377	
54 1,1-Dichloropropene	75	4.317	4.328	-0.011	84	3497	0.4000	0.2592	
55 Benzene	78	4.494	4.494	0.000	48	13149	0.4000	0.3464	
56 Isobutyl alcohol	43	4.525	4.504	0.021	86	5295	10.0	8.34	
57 1,2-Dichloroethane	62	4.545	4.545	0.000	94	7637	0.4000	0.4100	
59 n-Heptane	43	4.628	4.628	0.000	89	6043	0.4000	0.2861	
60 Trichloroethene	95	4.970	4.970	0.000	81	3302	0.4000	0.3258	
62 Methylcyclohexane	83	5.074	5.064	0.010	92	2821	0.4000	0.1649	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	78	3607	0.4000	0.3107	a
66 1,4-Dioxane	88	5.271	5.271	0.000	0	830	8.00	15.2	M
65 Dibromomethane	93	5.281	5.271	0.010	89	2742	0.4000	0.4009	
67 Dichlorobromomethane	83	5.395	5.395	0.000	90	4807	0.4000	0.3702	
69 2-Chloroethyl vinyl ether	63	5.602	5.602	0.000	88	3158	0.4000	0.3858	a
71 cis-1,3-Dichloropropene	75	5.706	5.706	0.000	88	4817	0.4000	0.3279	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	28232	2.00	1.80	
73 Toluene	92	5.924	5.934	-0.010	95	8609	0.4000	0.3518	
75 trans-1,3-Dichloropropene	75	6.152	6.141	0.011	62	4520	0.4000	0.3279	
77 Ethyl methacrylate	69	6.172	6.172	0.000	35	4842	0.4000	0.3752	a
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	87	3242	0.4000	0.4018	a
79 Tetrachloroethene	166	6.328	6.328	0.000	84	2739	0.4000	0.2384	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	91	6207	0.4000	0.3863	a
81 2-Hexanone	43	6.463	6.452	0.011	96	17334	2.00	1.60	
82 Chlorodibromomethane	129	6.587	6.587	0.000	81	4132	0.4000	0.3988	a
83 Ethylene Dibromide	107	6.670	6.670	0.000	90	3533	0.4000	0.3521	
86 Chlorobenzene	112	7.022	7.022	0.000	95	10107	0.4000	0.3613	
88 Ethylbenzene	91	7.084	7.084	0.000	98	14249	0.4000	0.3211	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	0	2782	0.4000	0.3002	M
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	5701	0.4000	0.3259	
91 o-Xylene	106	7.499	7.488	0.011	94	5565	0.4000	0.3178	
92 Styrene	104	7.520	7.520	0.000	93	10173	0.4000	0.3532	
93 Bromoform	173	7.706	7.706	0.000	88	2368	0.4000	0.3466	Ma
95 Isopropylbenzene	105	7.779	7.779	0.000	96	12345	0.4000	0.2865	
97 Bromobenzene	156	8.048	8.048	0.000	92	3954	0.4000	0.3264	
98 1,1,2,2-Tetrachloroethane	83	8.090	8.090	0.000	54	5652	0.4000	0.4000	
99 N-Propylbenzene	91	8.110	8.100	0.010	98	14709	0.4000	0.2816	a
101 trans-1,4-Dichloro-2-butene	53	8.121	8.121	0.000	68	1553	0.4000	0.3193	
100 1,2,3-Trichloropropane	110	8.121	8.121	0.000	90	1320	0.4000	0.2897	Ma
105 2-Chlorotoluene	126	8.193	8.193	0.000	93	2555	0.4000	0.2263	a
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	94	11510	0.4000	0.3072	
102 4-Chlorotoluene	91	8.286	8.286	0.000	96	11860	0.4000	0.3171	a
106 tert-Butylbenzene	134	8.504	8.504	0.000	92	2433	0.4000	0.2950	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	96	11577	0.4000	0.3056	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.680	8.680	0.000	94	11388	0.4000	0.2267	a
111 4-Isopropyltoluene	119	8.805	8.805	0.000	95	12136	0.4000	0.2802	
110 1,3-Dichlorobenzene	146	8.805	8.805	0.000	89	8366	0.4000	0.3435	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	92	8976	0.4000	0.3521	
115 n-Butylbenzene	91	9.136	9.136	0.000	93	8806	0.4000	0.2243	
116 1,2-Dichlorobenzene	146	9.198	9.188	0.010	96	8889	0.4000	0.3625	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	1	933	0.4000	0.3841	a
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	90	6248	0.4000	0.3489	a
120 Hexachlorobutadiene	225	10.608	10.608	0.000	81	2045	0.4000	0.2197	
121 Naphthalene	128	10.722	10.722	0.000	98	15307	0.4000	0.3363	a
122 1,2,3-Trichlorobenzene	180	10.919	10.908	0.011	94	5851	0.4000	0.3273	
S 126 Xylenes, Total	1				0			0.6436	
S 125 Total BTEX	1				0			1.66	
S 123 1,3-Dichloropropene, Total	1				0			0.6558	
S 124 1,2-Dichloroethene, Total	1				0			0.6381	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00189	Amount Added:	0.40	Units: uL	
GAS CORP mix_00406	Amount Added:	0.40	Units: uL	
T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

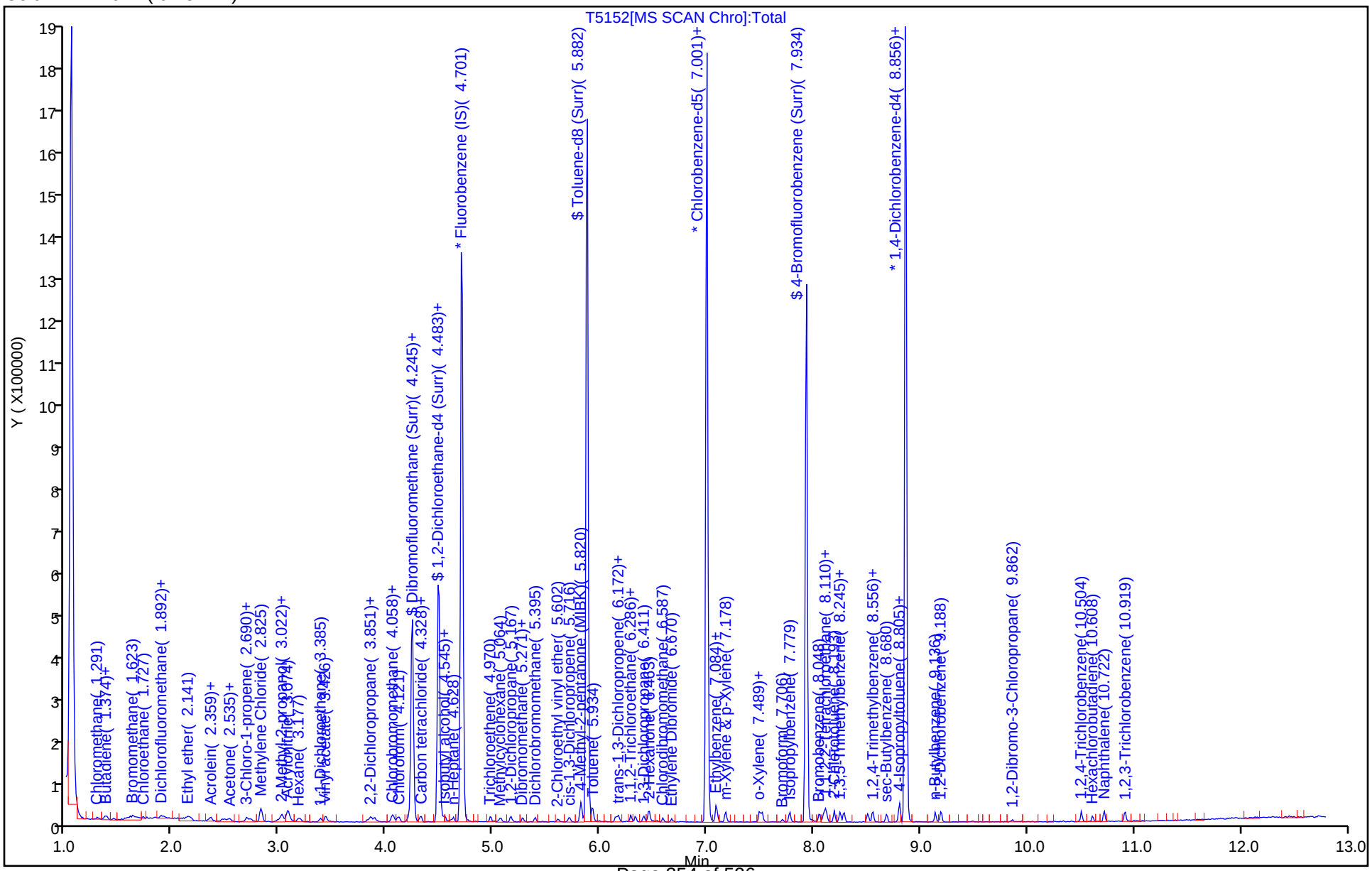
Report Date: 09-Jul-2020 11:00:32 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D

Injection Date:	08-Jul-2020 12:57:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC 0.4			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

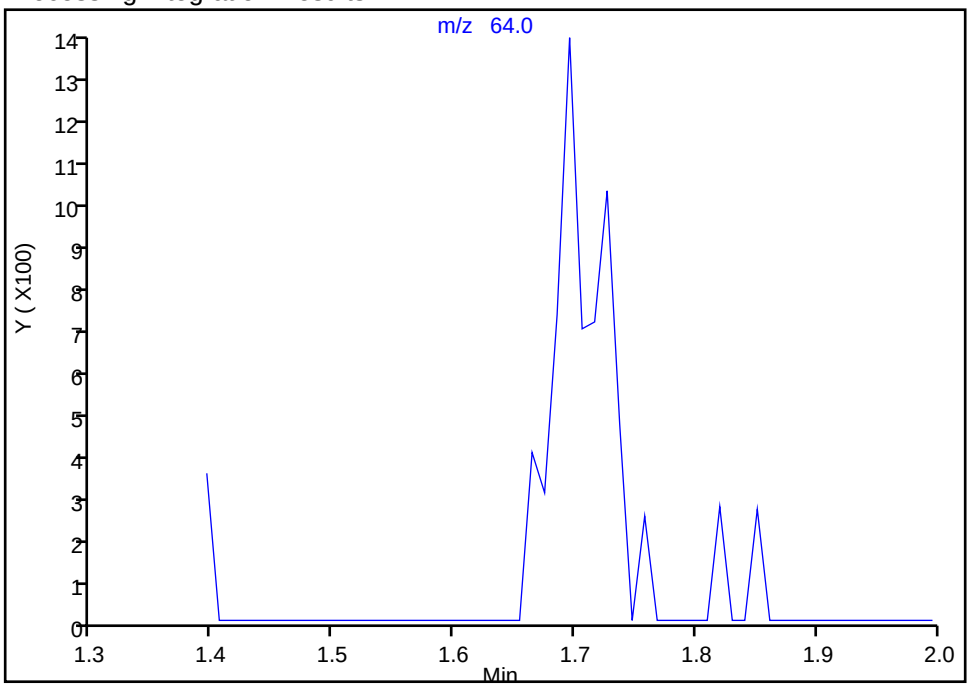
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

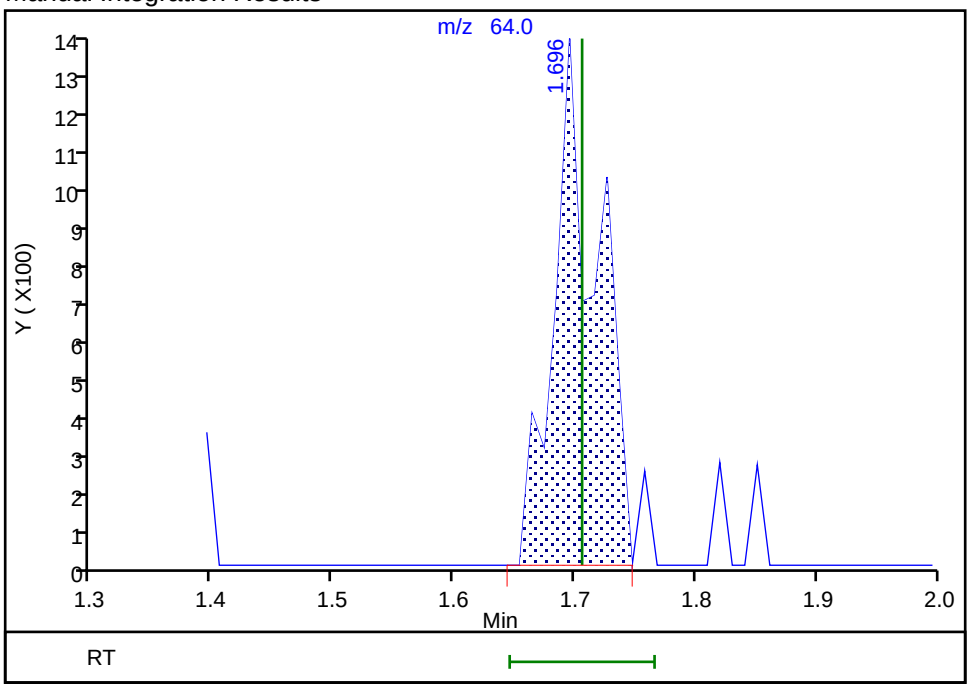
Not Detected
Expected RT: 1.71

Processing Integration Results



Manual Integration Results

RT: 1.70
Area: 3449
Amount: 0.392800
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:21:49
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

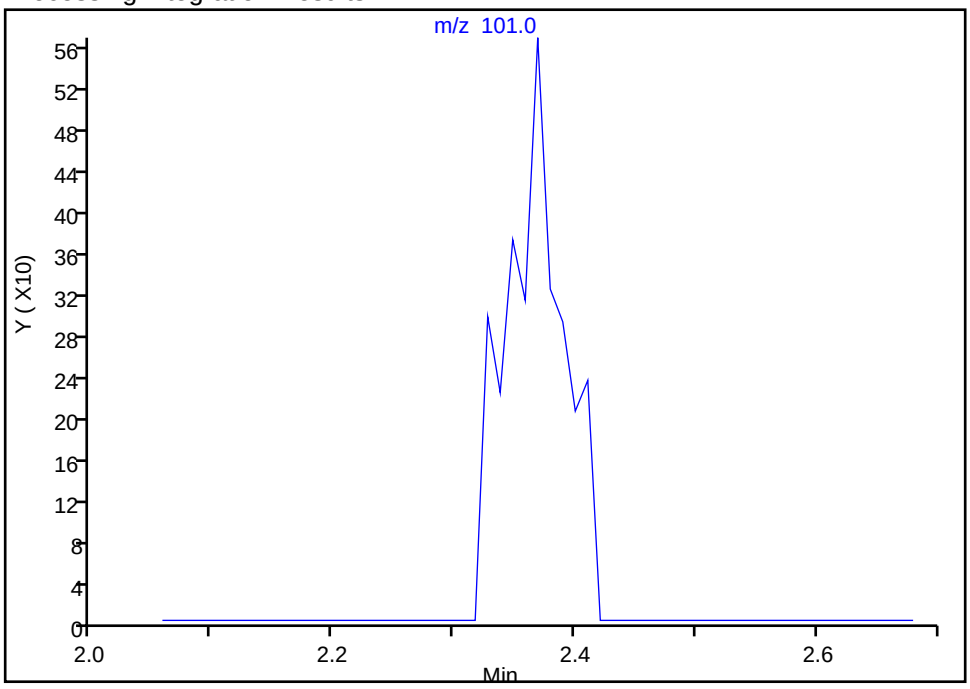
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

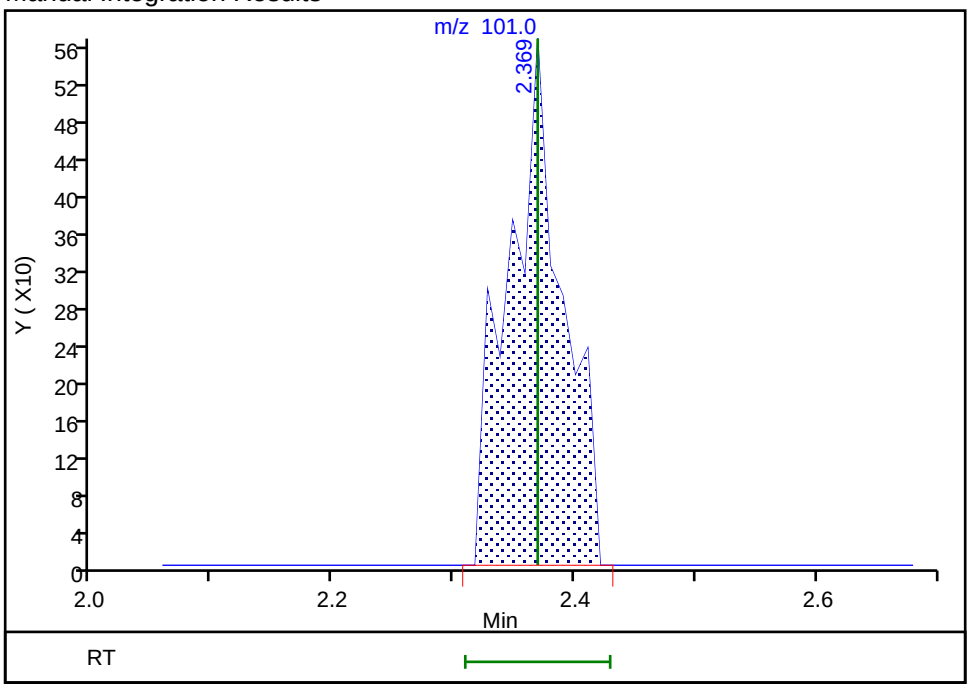
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 1754
Amount: 0.185650
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:22:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

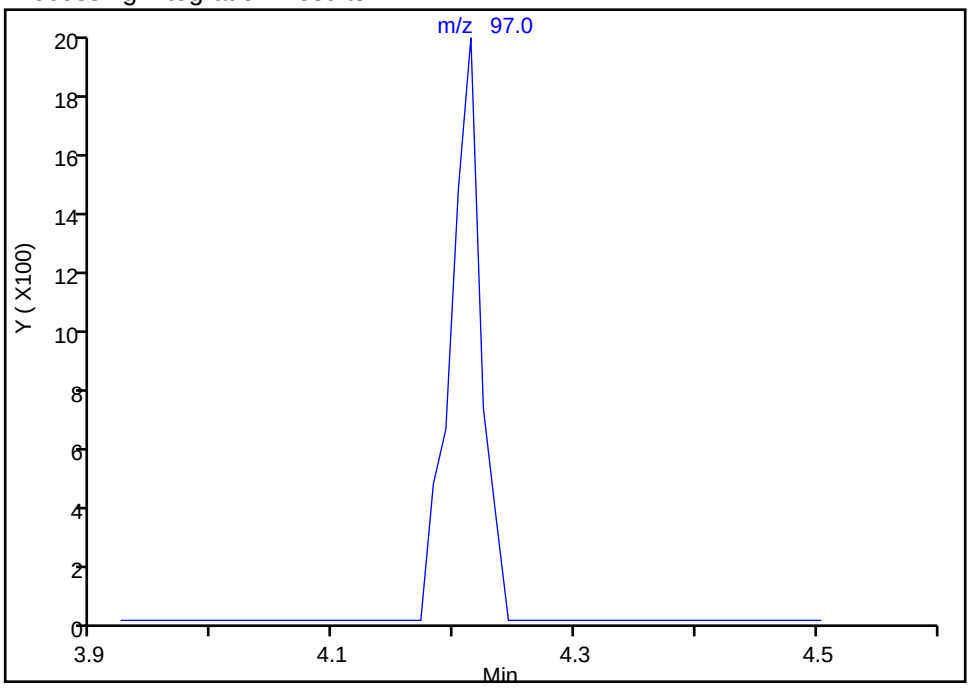
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

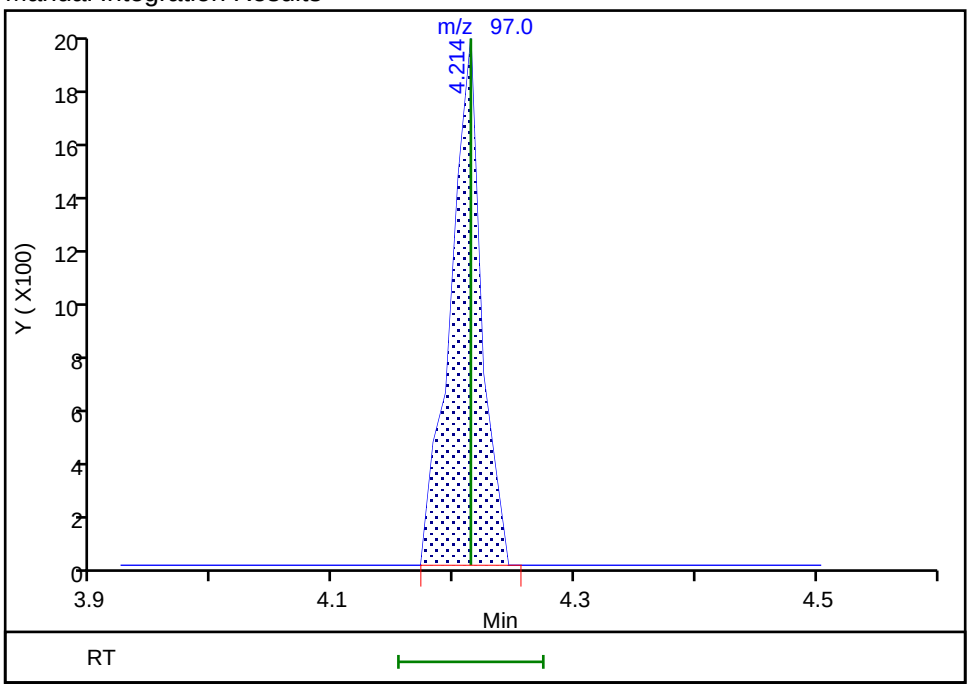
Not Detected
Expected RT: 4.21

Processing Integration Results



Manual Integration Results

RT: 4.21
Area: 3434
Amount: 0.222992
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:22:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

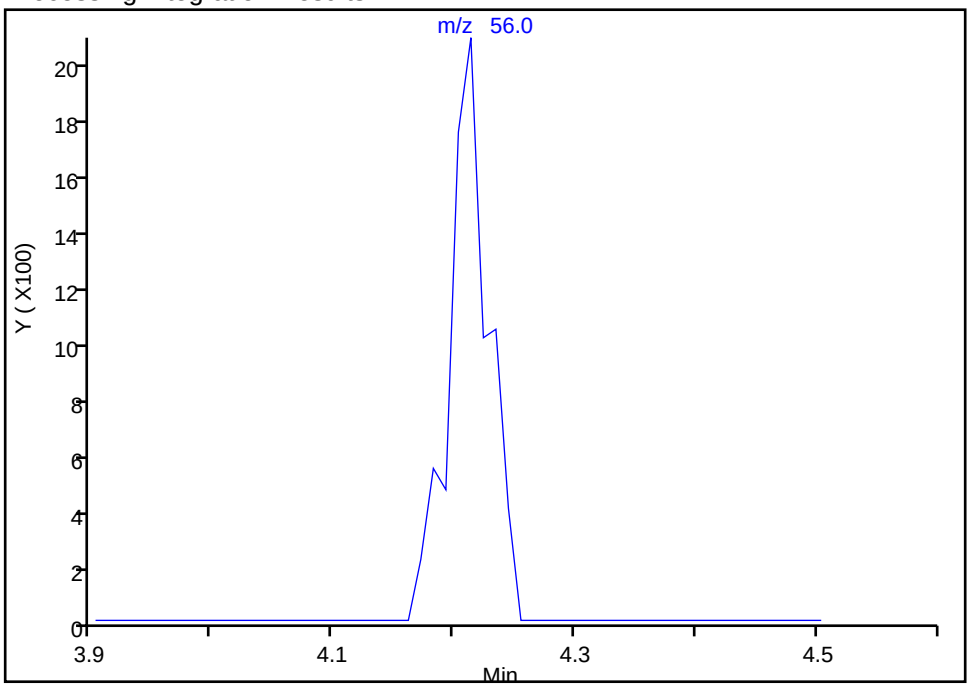
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

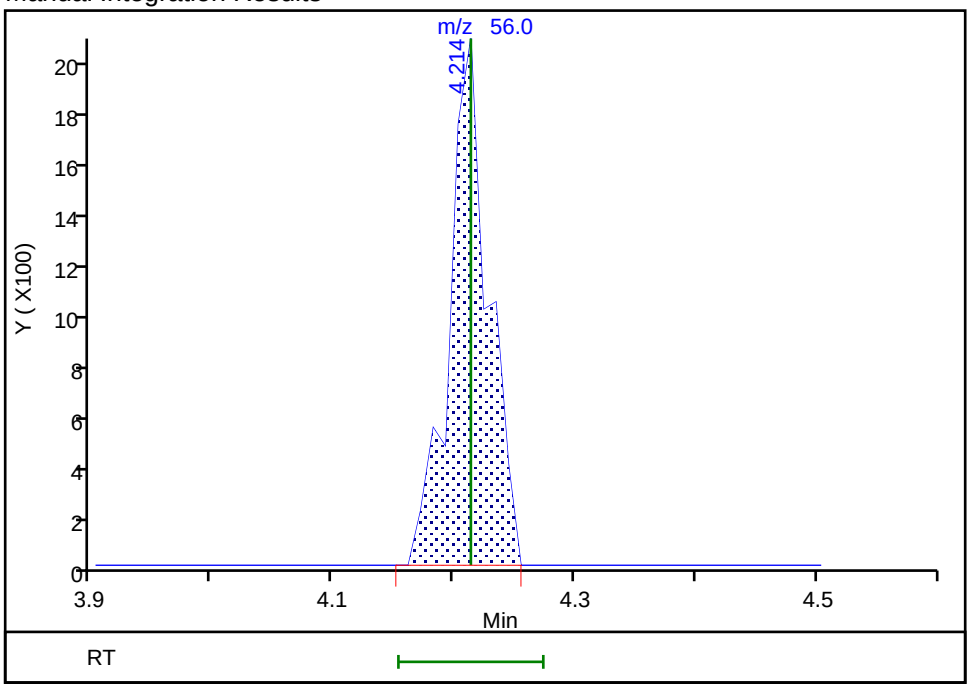
Not Detected
Expected RT: 4.21

Processing Integration Results



Manual Integration Results

RT: 4.21
Area: 4580
Amount: 0.195796
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:22:42
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

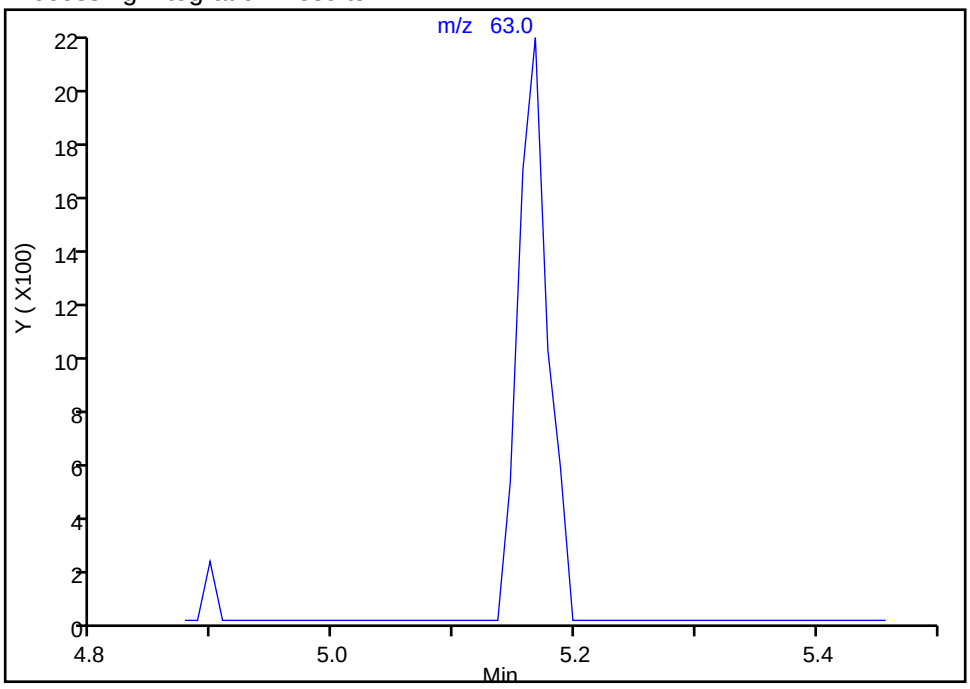
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

63 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

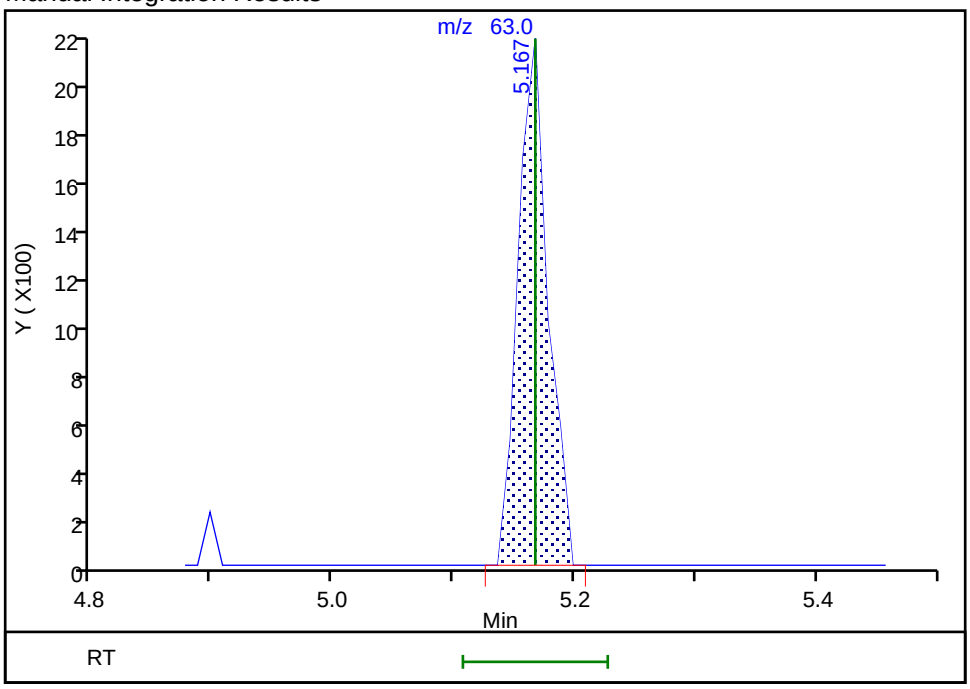
Not Detected
Expected RT: 5.17

Processing Integration Results



Manual Integration Results

RT: 5.17
Area: 3607
Amount: 0.310745
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:23:09
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

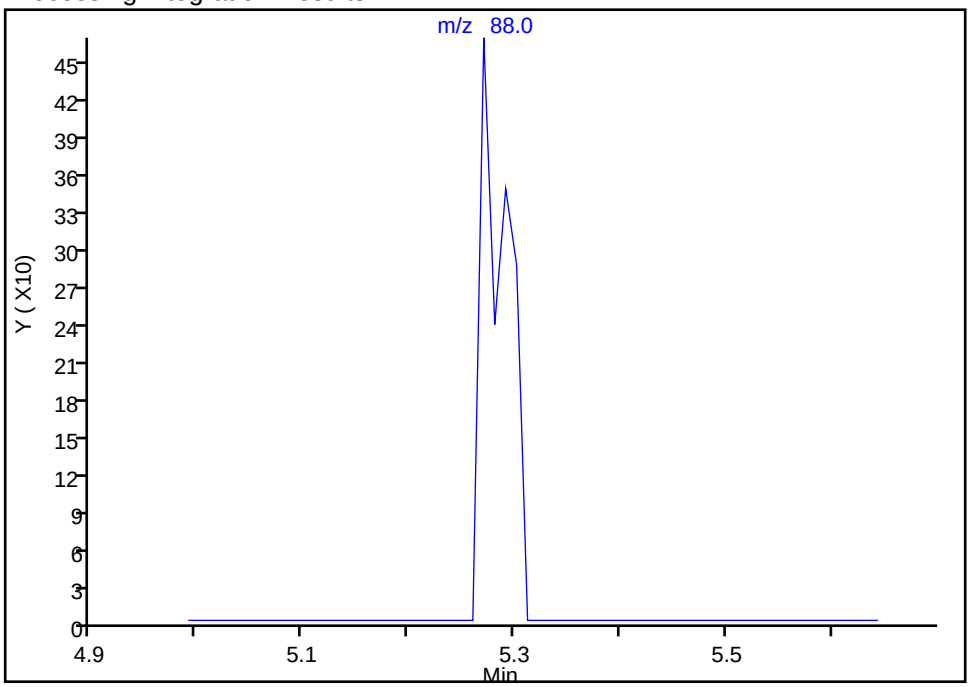
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

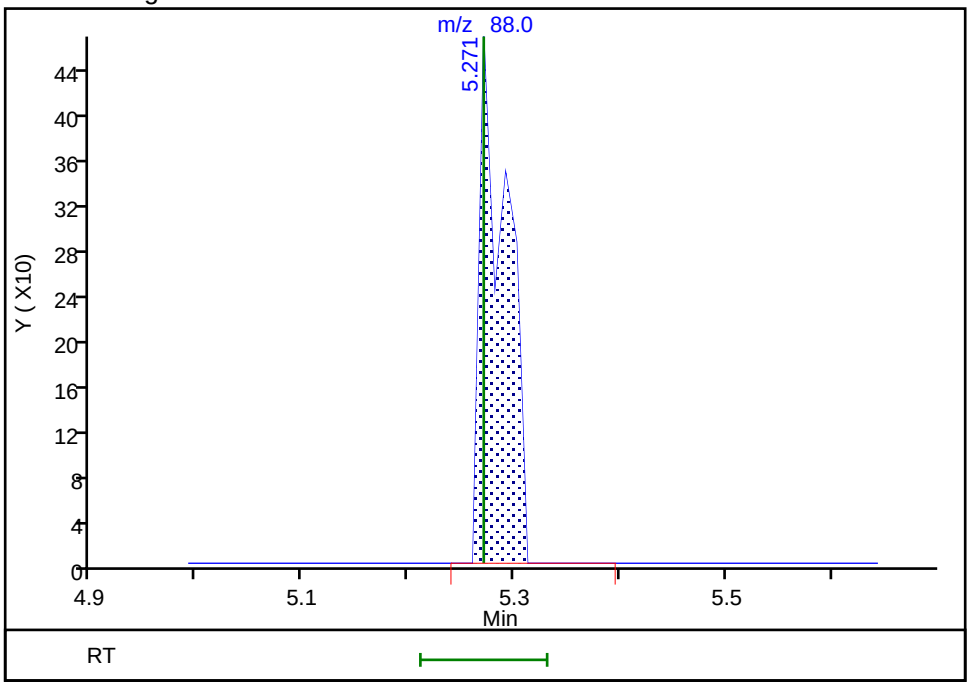
Not Detected
Expected RT: 5.27

Processing Integration Results



Manual Integration Results

RT: 5.27
Area: 830
Amount: 15.235845
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:23:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

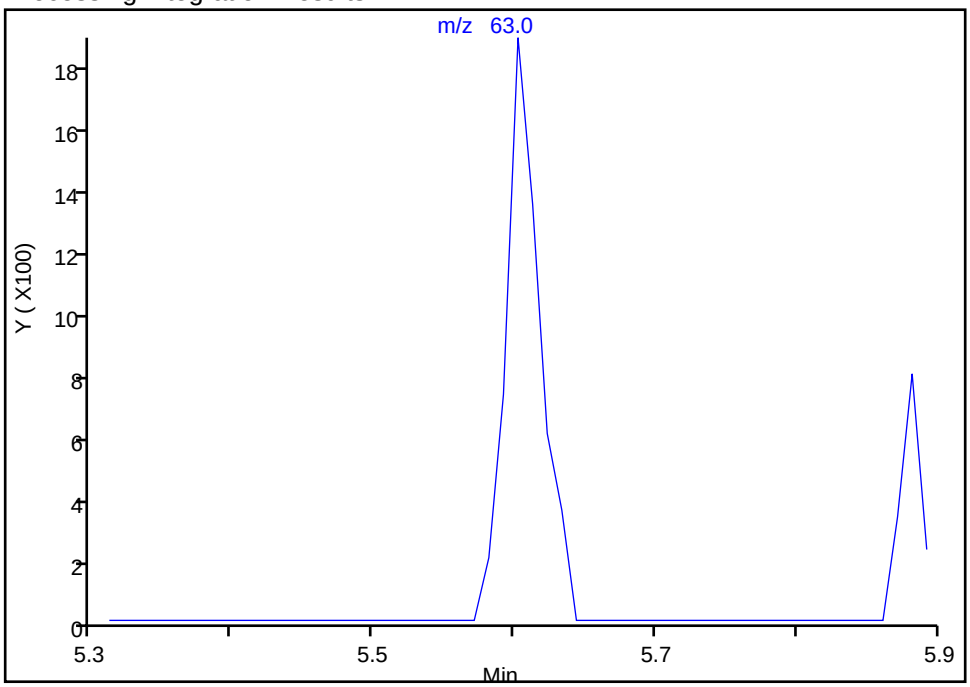
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

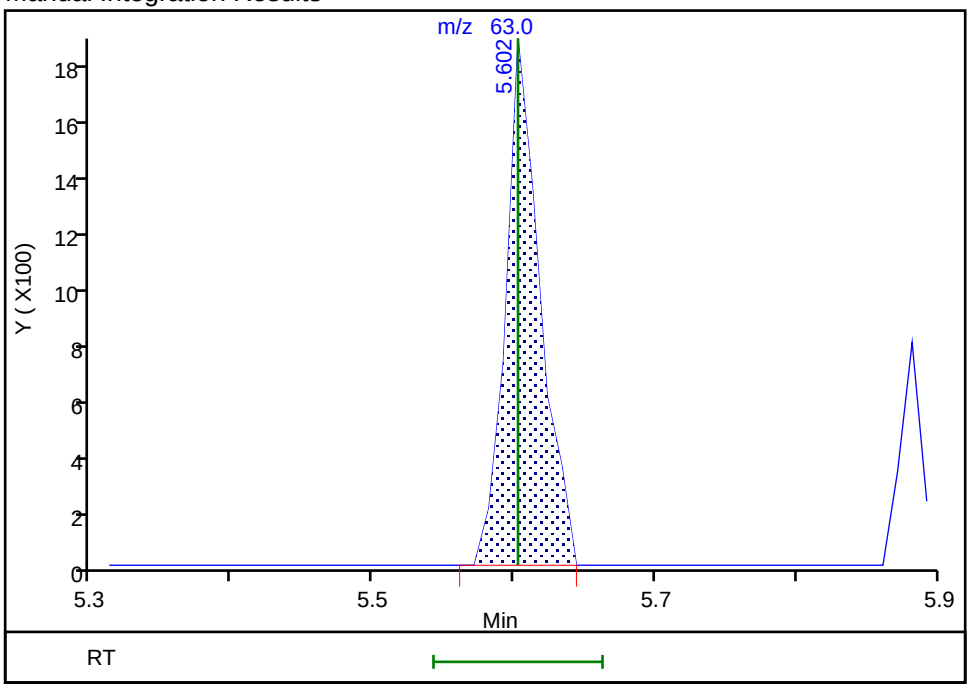
Not Detected
Expected RT: 5.60

Processing Integration Results



Manual Integration Results

RT: 5.60
Area: 3158
Amount: 0.385805
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:23:26
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

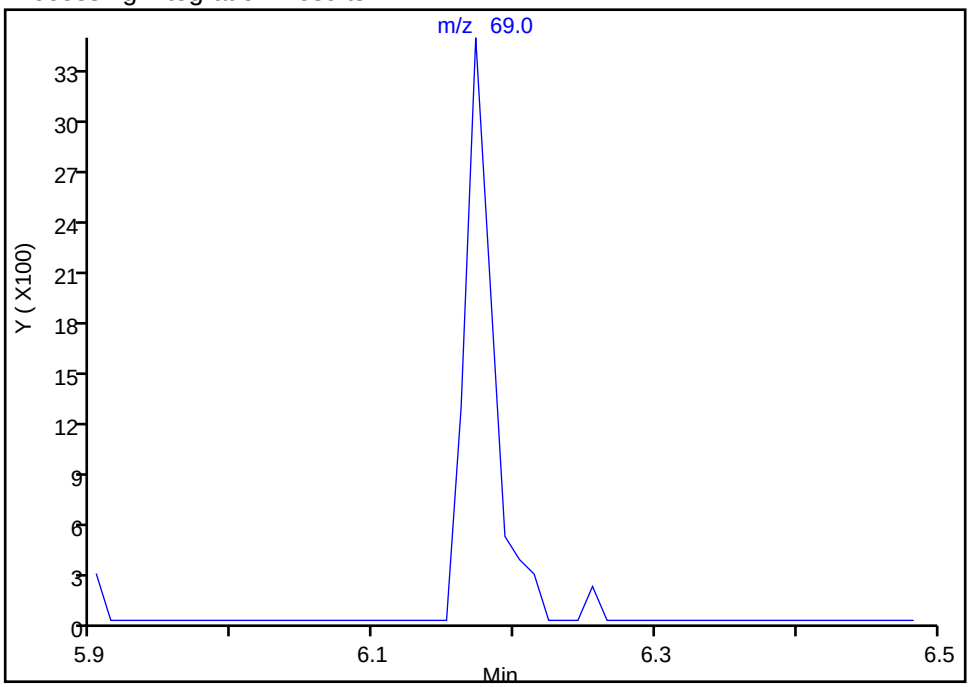
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

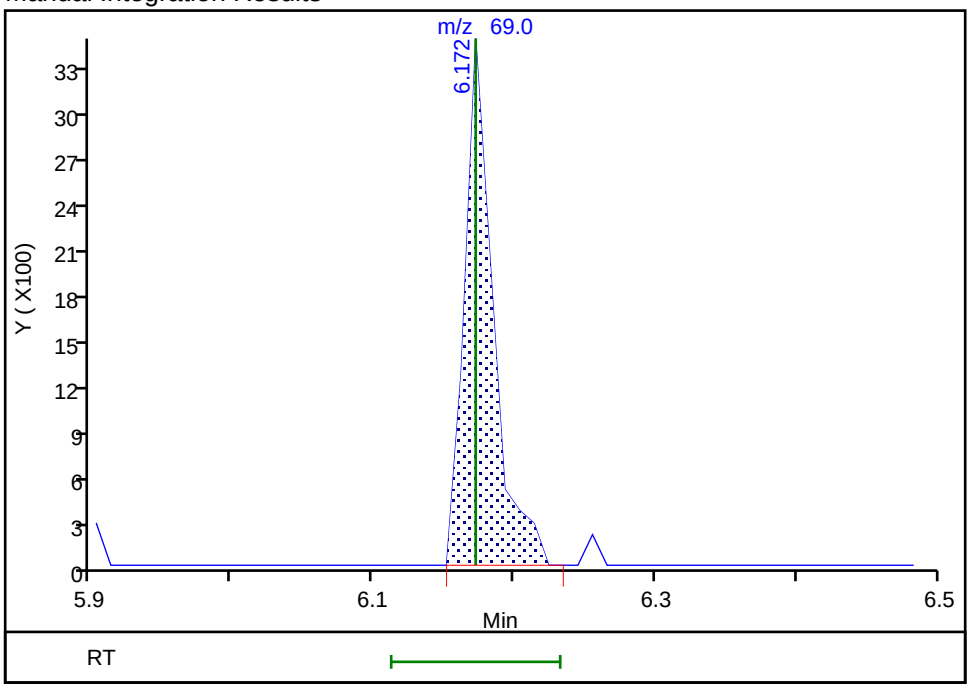
Not Detected
Expected RT: 6.17

Processing Integration Results



Manual Integration Results

RT: 6.17
Area: 4842
Amount: 0.375161
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:25:48
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

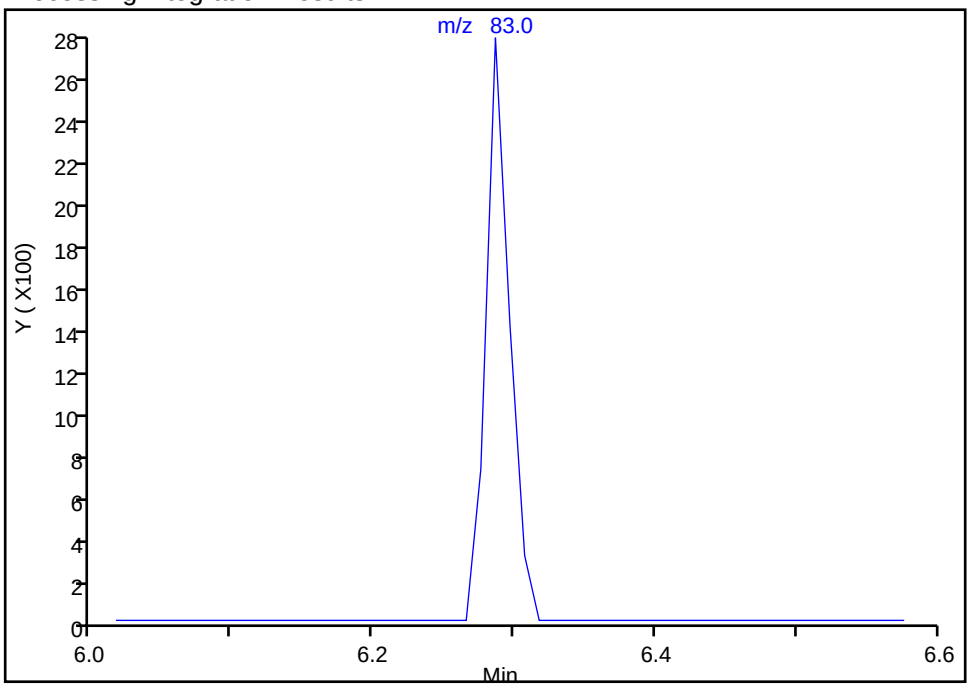
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

78 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

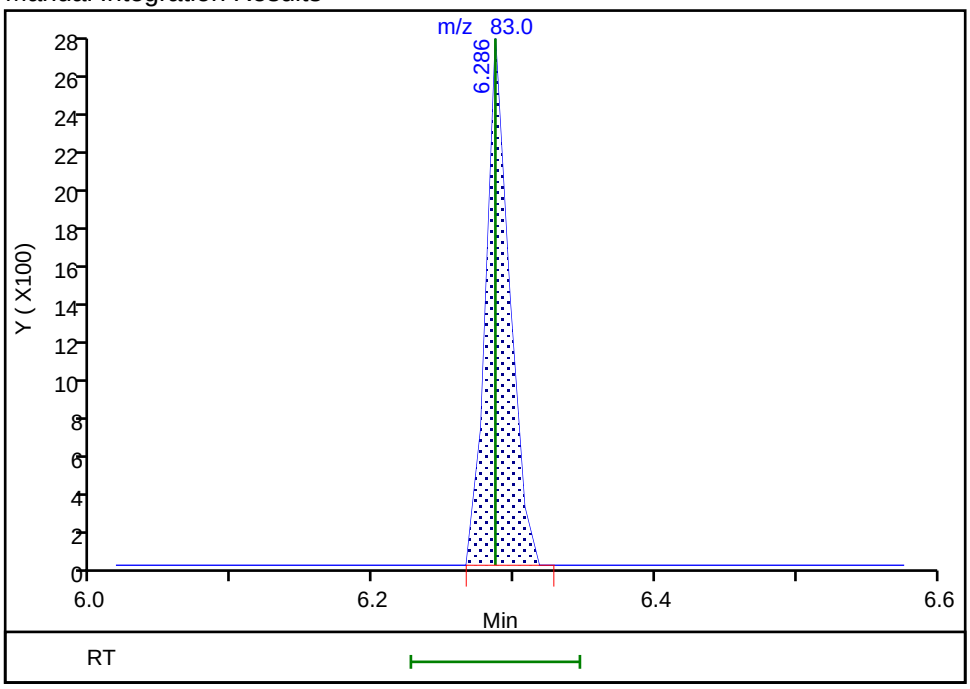
Not Detected
Expected RT: 6.29

Processing Integration Results



Manual Integration Results

RT: 6.29
Area: 3242
Amount: 0.401850
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:25:52
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

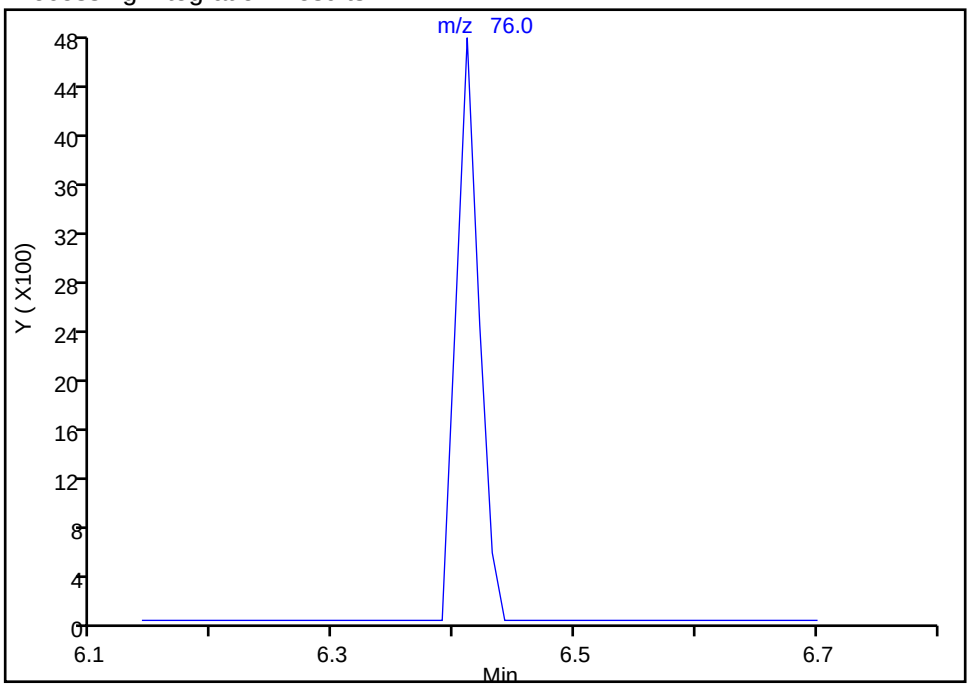
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

80 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

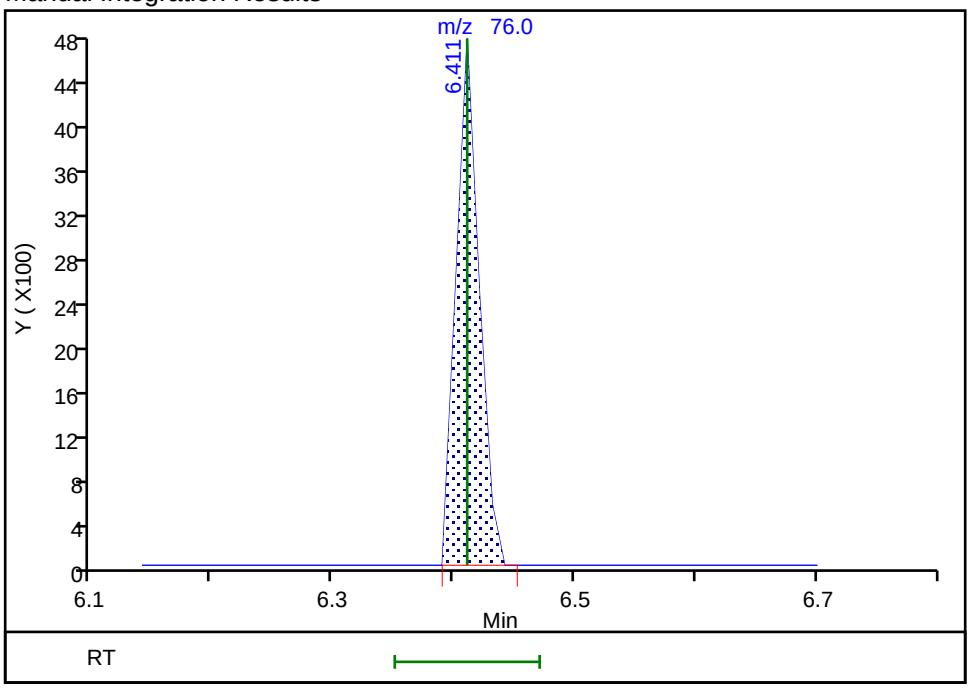
Not Detected
Expected RT: 6.41

Processing Integration Results



Manual Integration Results

RT: 6.41
Area: 6207
Amount: 0.386345
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:25:59
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

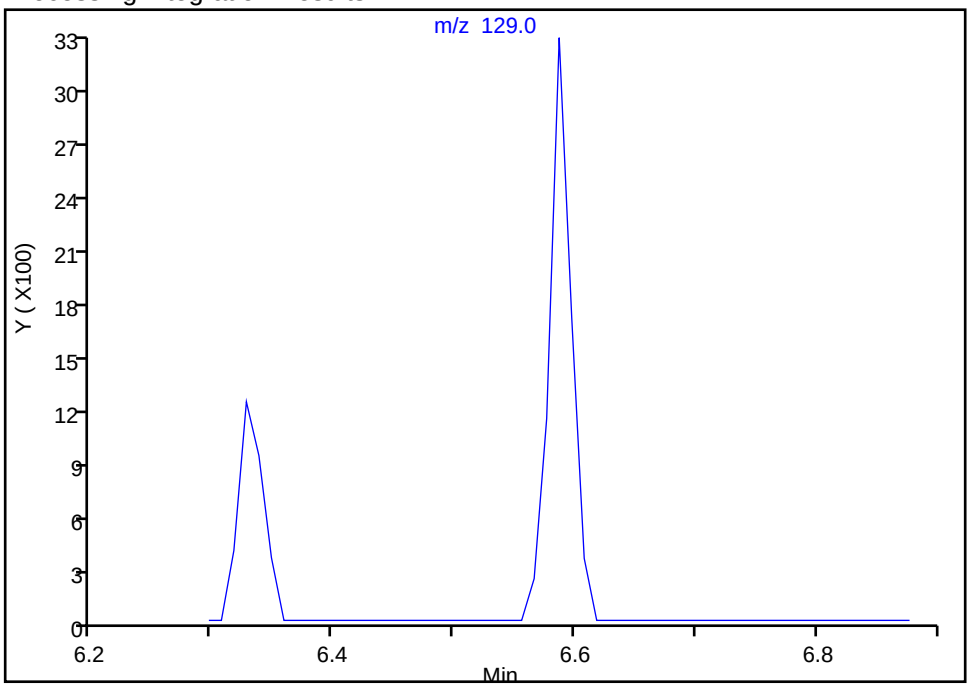
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

82 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

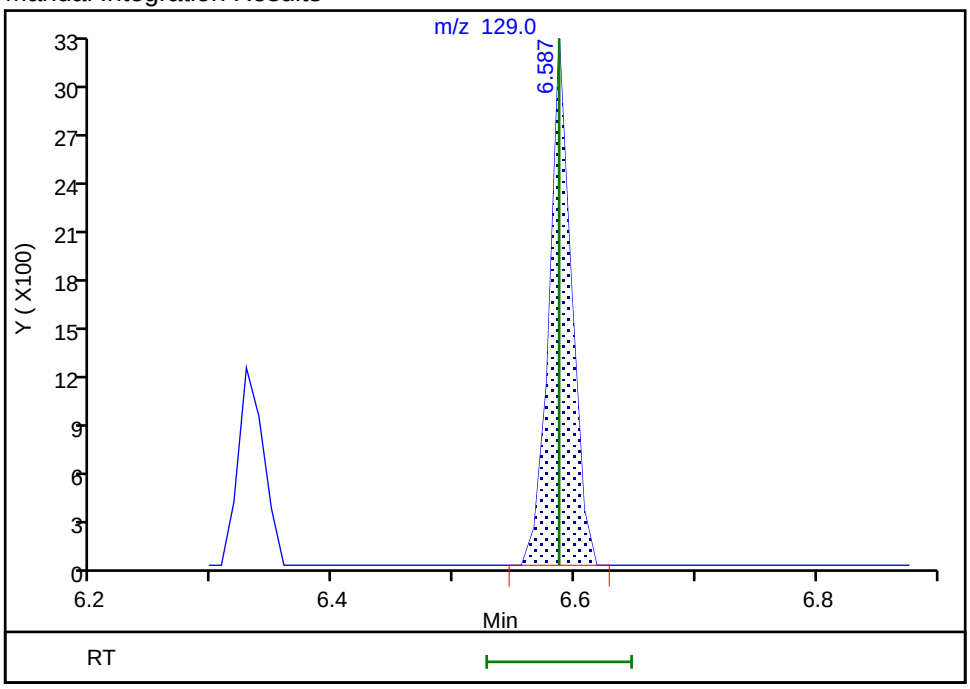
Not Detected
Expected RT: 6.59

Processing Integration Results



Manual Integration Results

RT: 6.59
Area: 4132
Amount: 0.398839
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:26:05
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

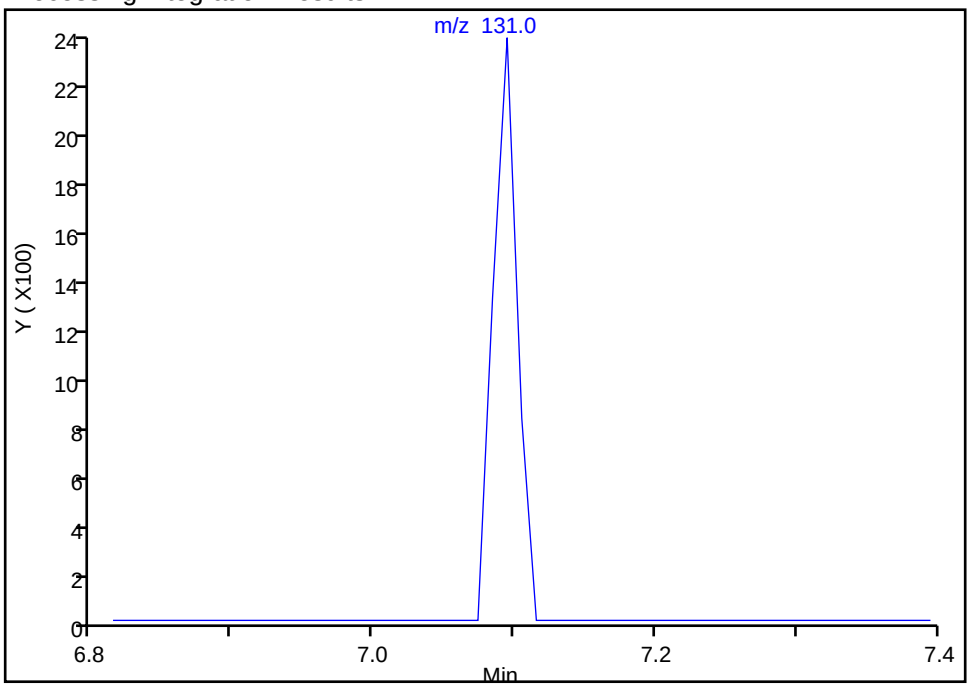
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

89 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Signal: 1

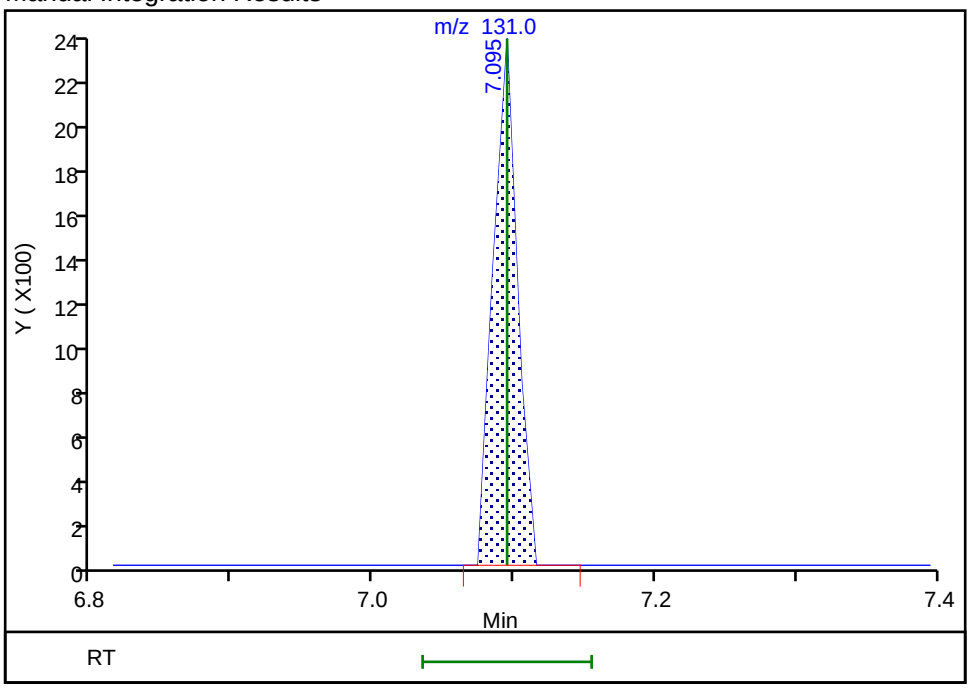
Not Detected
Expected RT: 7.09

Processing Integration Results



Manual Integration Results

RT: 7.09
Area: 2782
Amount: 0.300206
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:26:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

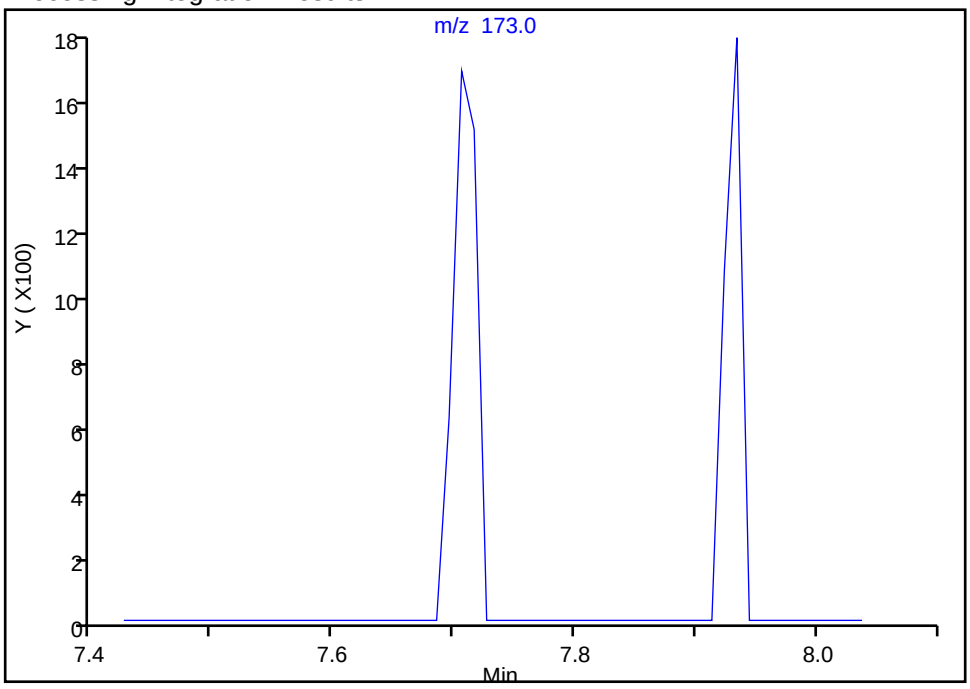
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

93 Bromoform, CAS: 75-25-2

Signal: 1

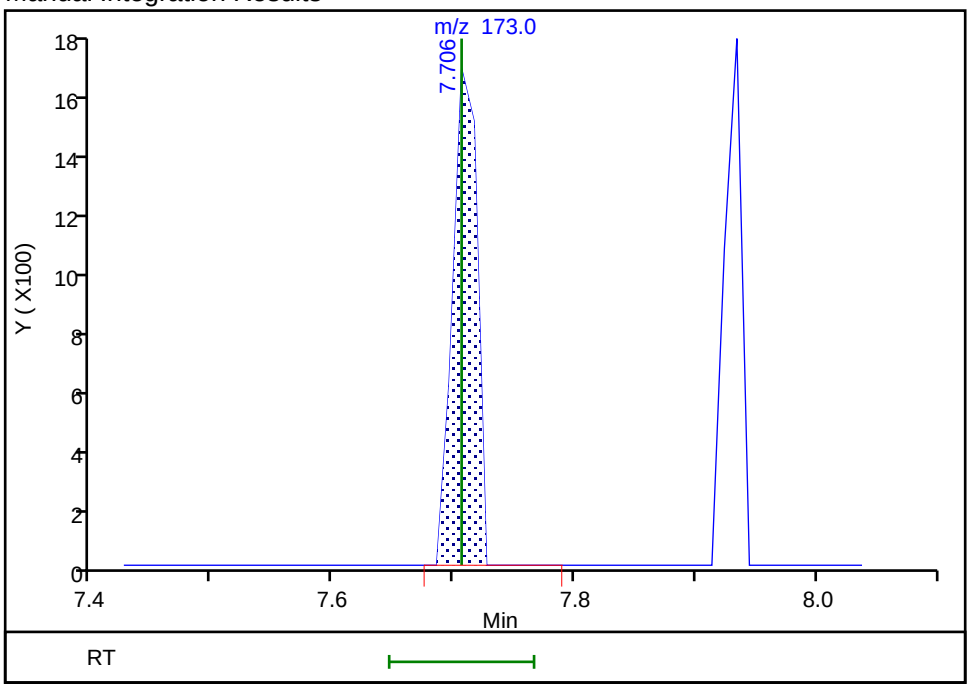
Not Detected
Expected RT: 7.71

Processing Integration Results



Manual Integration Results

RT: 7.71
Area: 2368
Amount: 0.346646
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:26:41
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

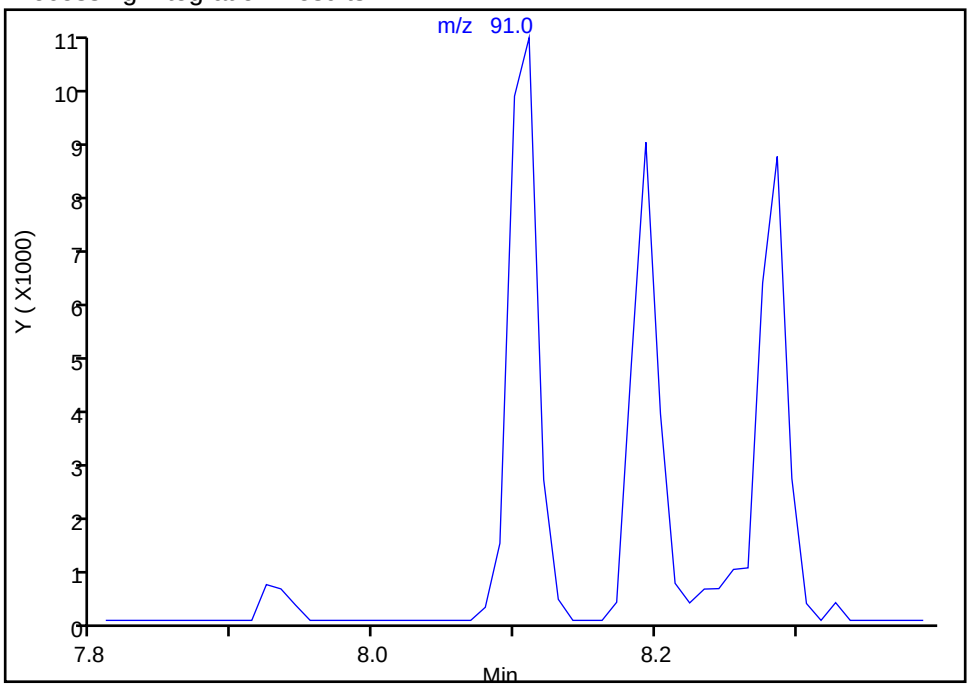
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

99 N-Propylbenzene, CAS: 103-65-1

Signal: 1

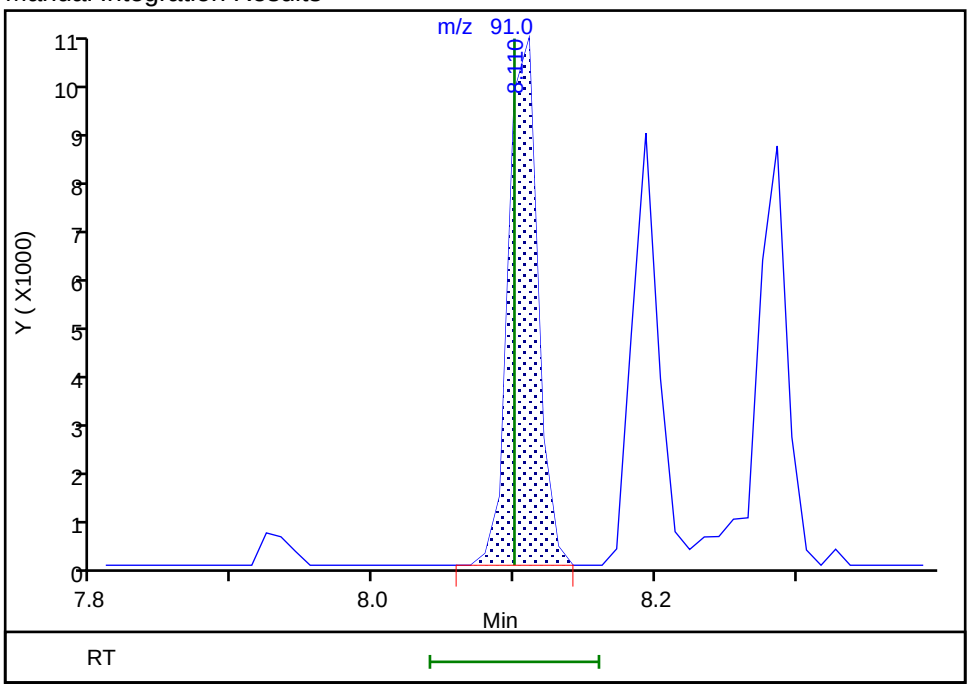
Not Detected
Expected RT: 8.10

Processing Integration Results



Manual Integration Results

RT: 8.11
Area: 14709
Amount: 0.281600
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:26:50
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

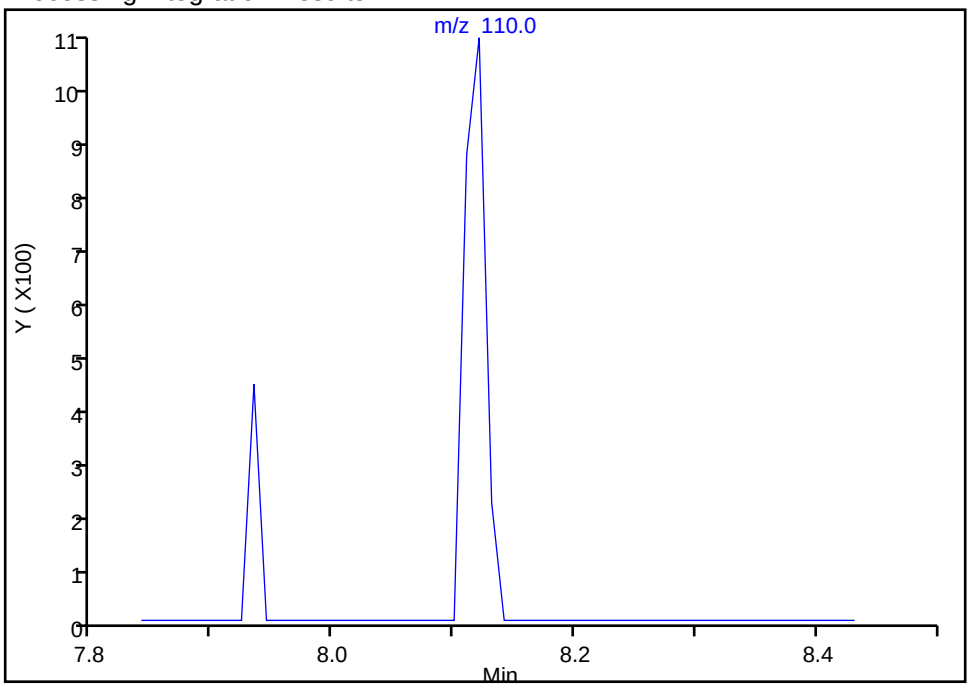
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

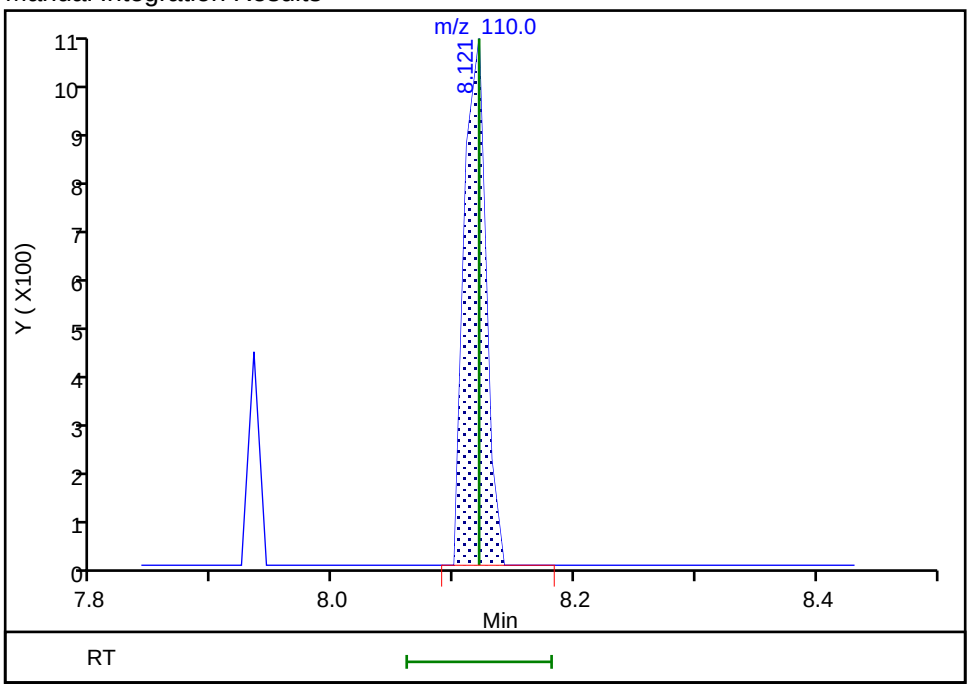
Not Detected
Expected RT: 8.12

Processing Integration Results



Manual Integration Results

RT: 8.12
Area: 1320
Amount: 0.289688
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:27:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

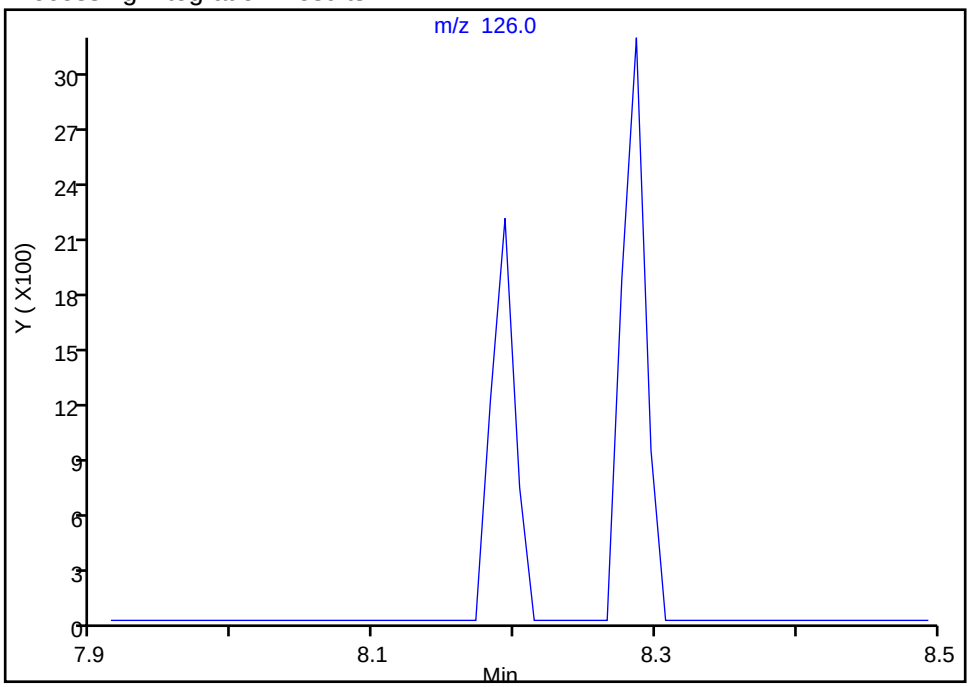
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

105 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

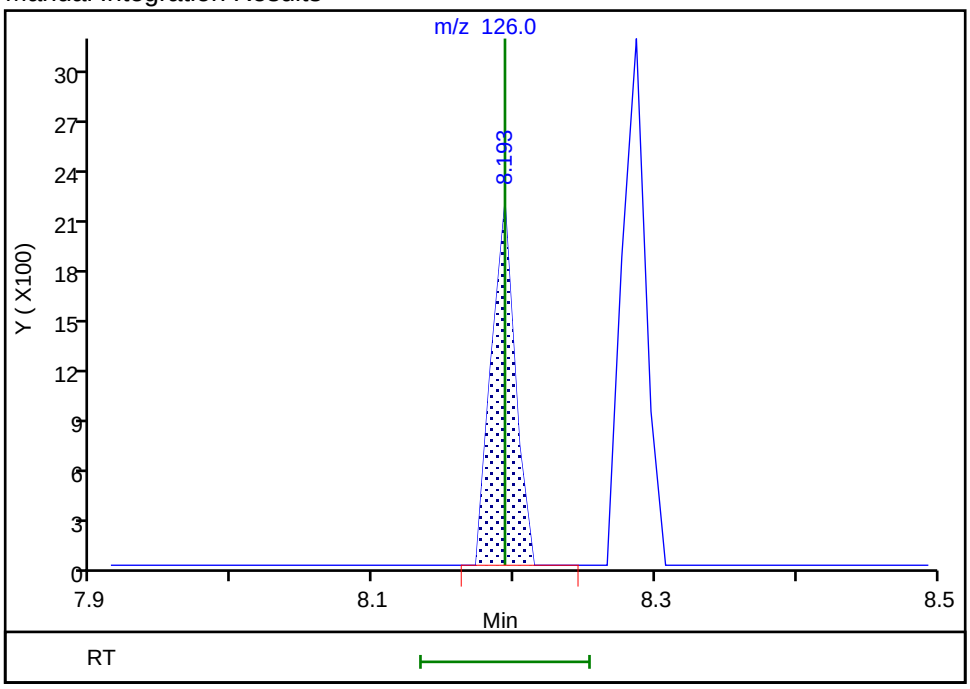
Not Detected
Expected RT: 8.19

Processing Integration Results



Manual Integration Results

RT: 8.19
Area: 2555
Amount: 0.226259
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:27:10
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

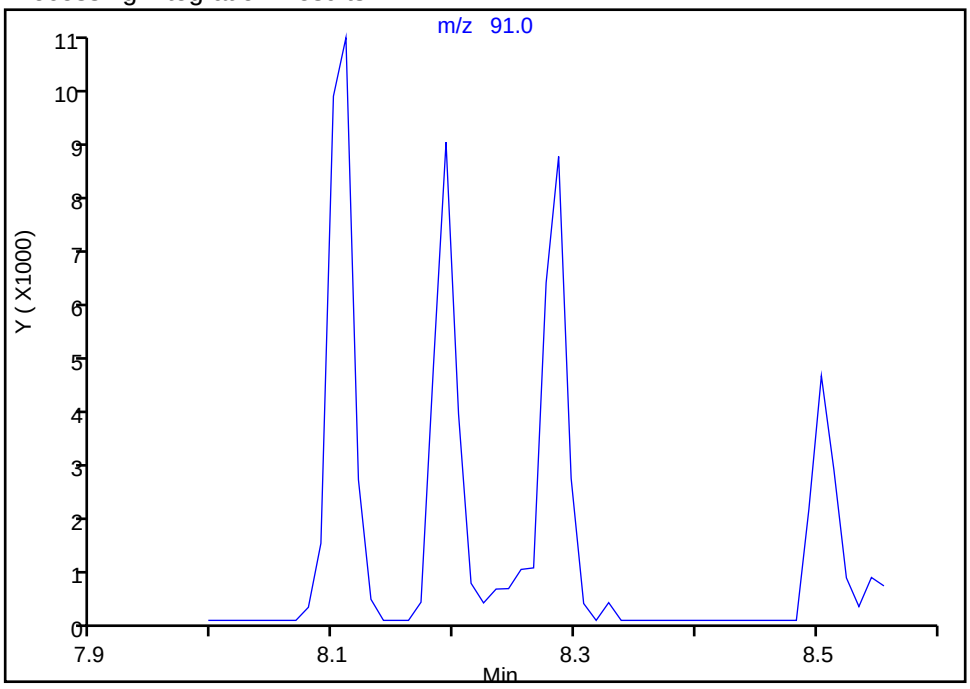
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

102 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

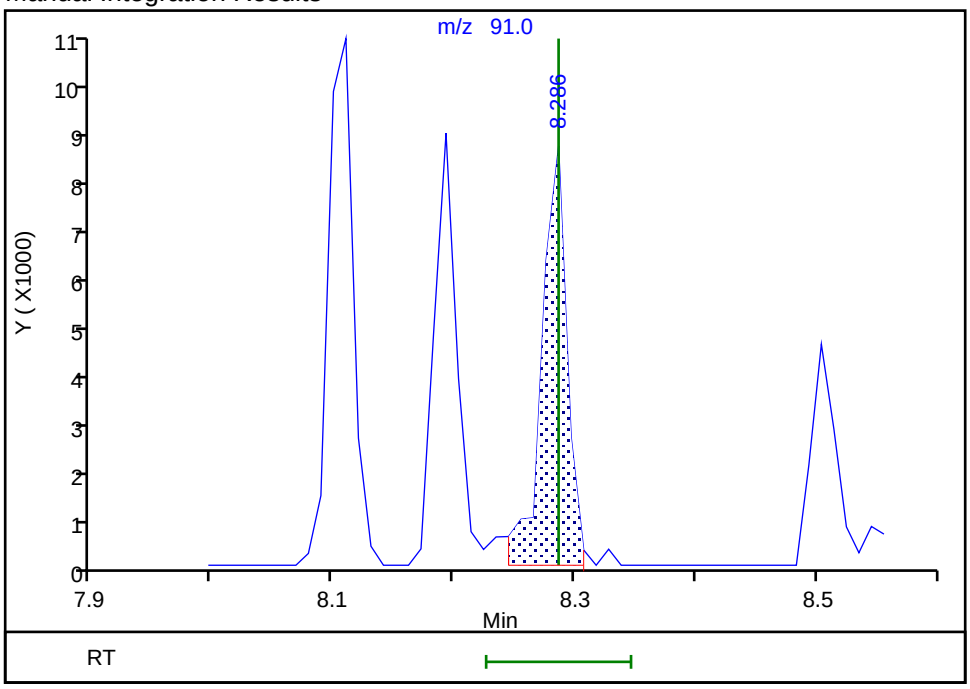
Not Detected
Expected RT: 8.29

Processing Integration Results



Manual Integration Results

RT: 8.29
Area: 11860
Amount: 0.317085
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:27:17
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

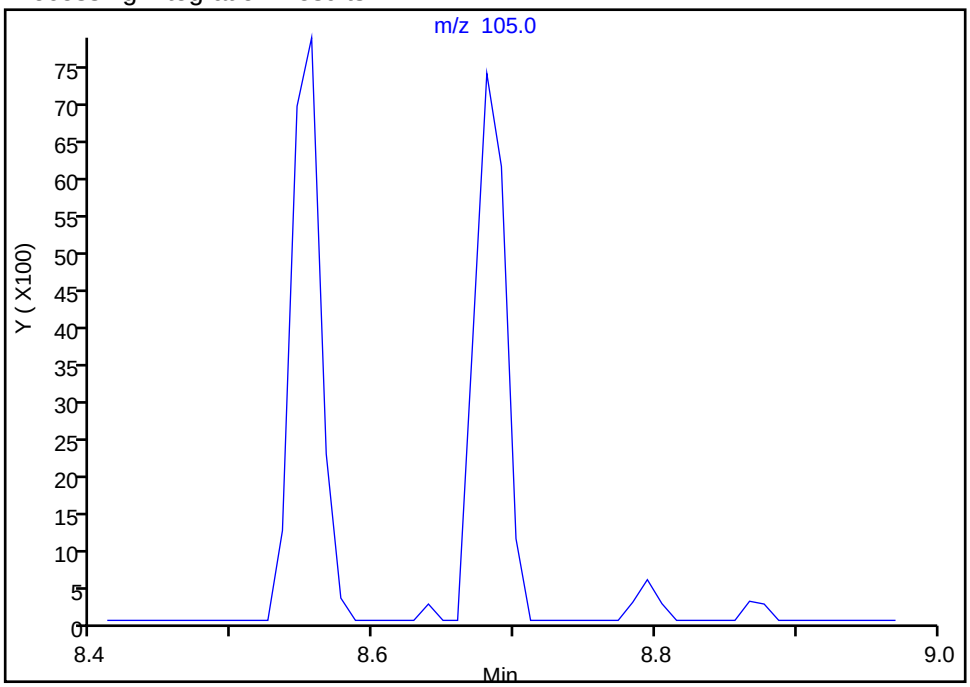
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

109 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

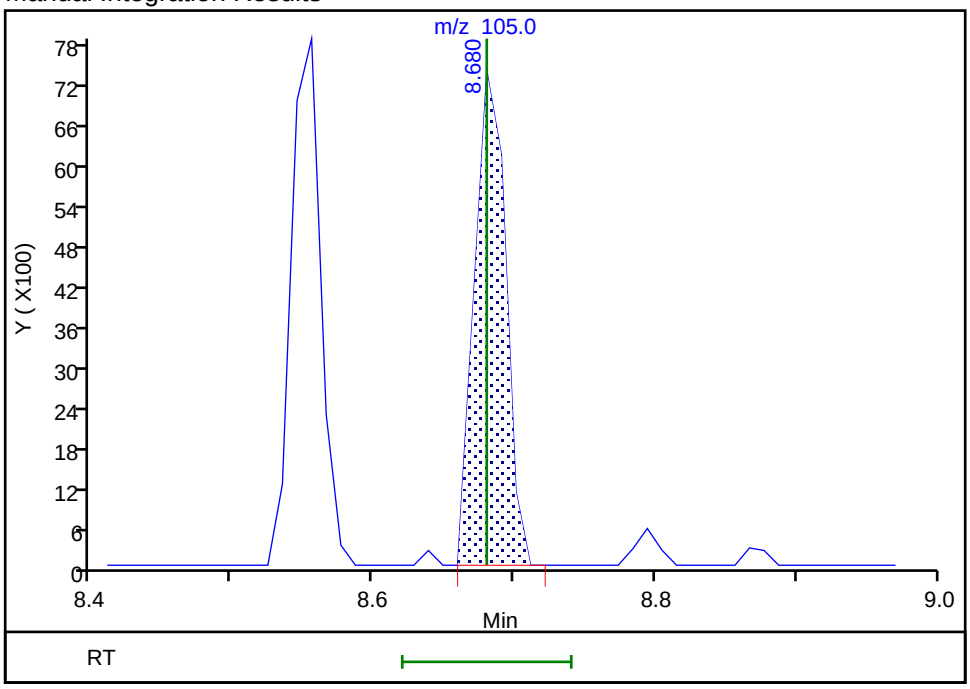
Not Detected
Expected RT: 8.68

Processing Integration Results



Manual Integration Results

RT: 8.68
Area: 11388
Amount: 0.226746
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:27:24
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

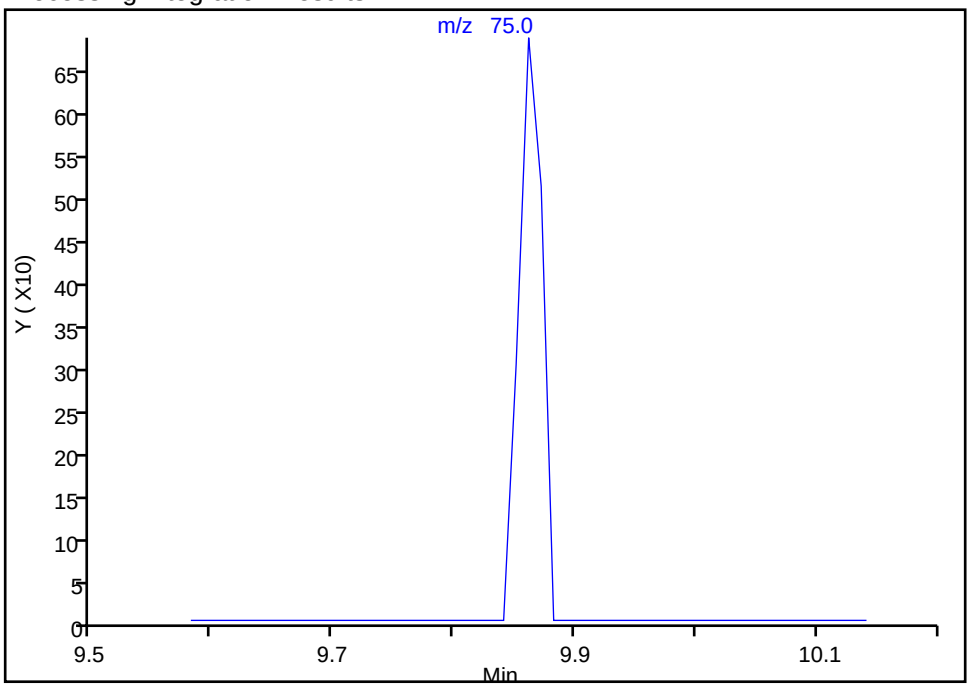
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

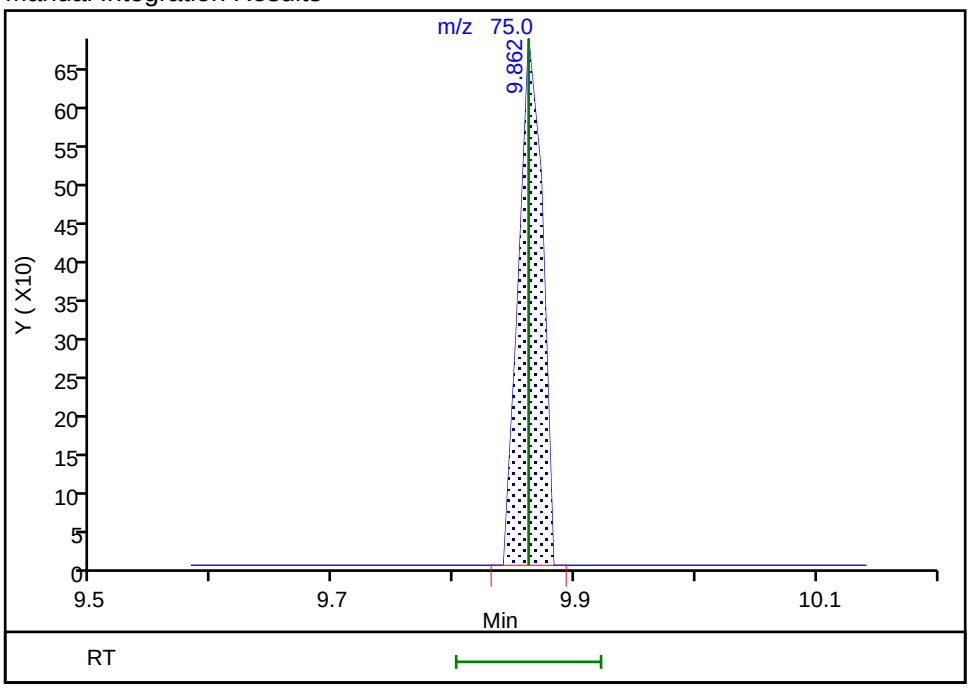
Not Detected
Expected RT: 9.86

Processing Integration Results



Manual Integration Results

RT: 9.86
Area: 933
Amount: 0.384102
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:27:36
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

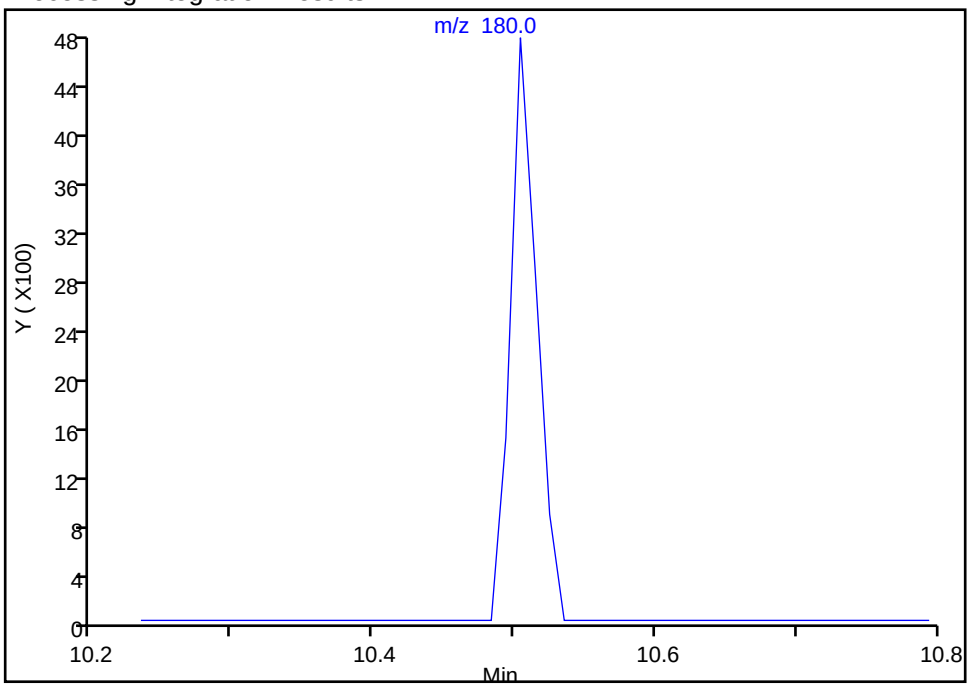
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

119 1,2,4-Trichlorobenzene, CAS: 120-82-1

Signal: 1

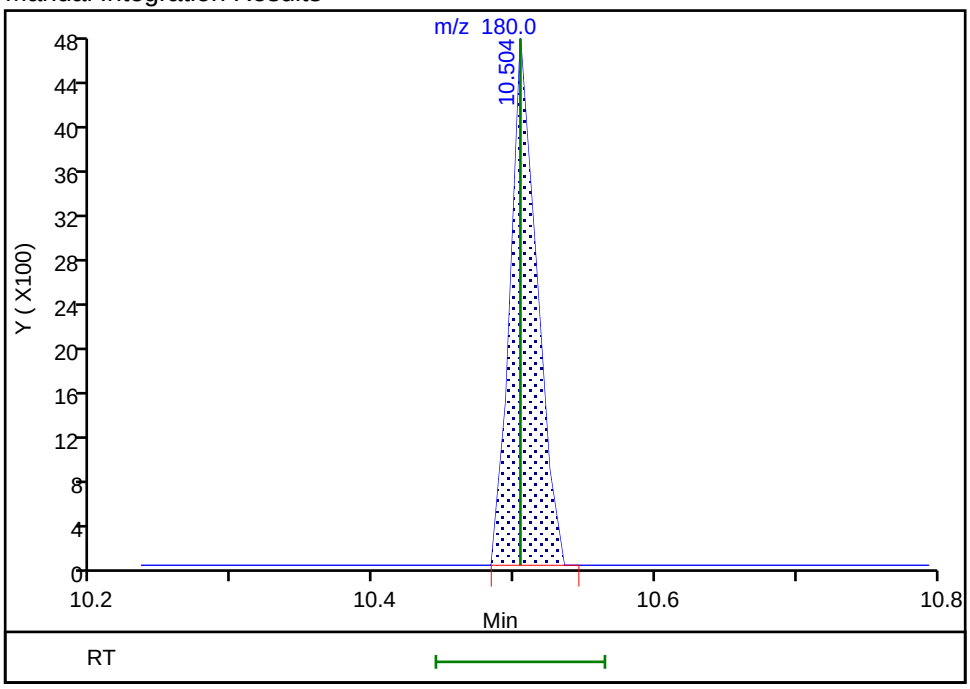
Not Detected
Expected RT: 10.50

Processing Integration Results



Manual Integration Results

RT: 10.50
Area: 6248
Amount: 0.348889
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:27:41
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

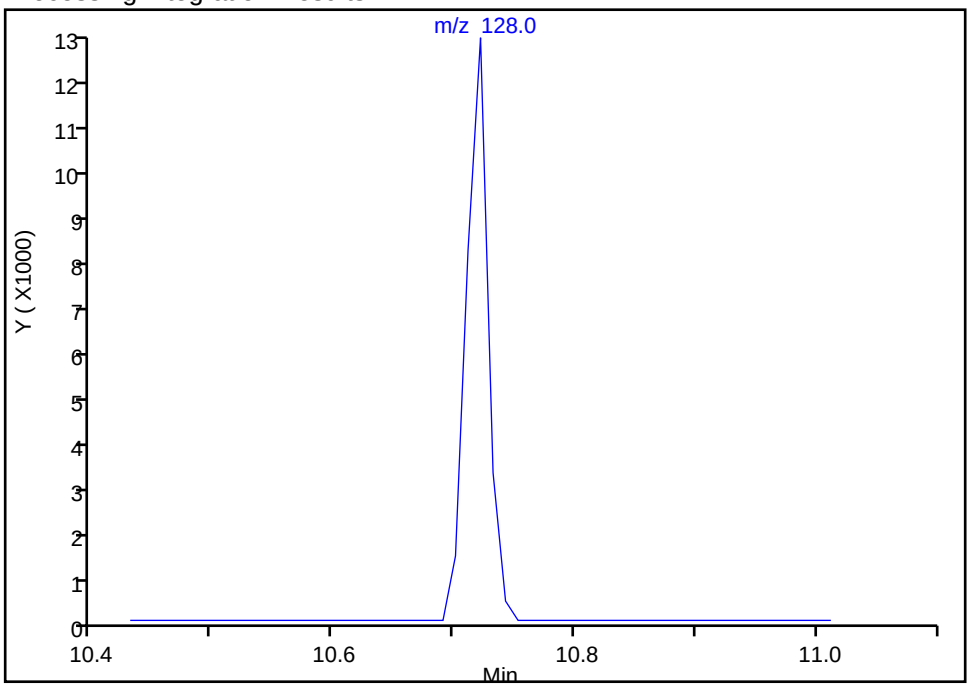
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5152.D
Injection Date: 08-Jul-2020 12:57:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

121 Naphthalene, CAS: 91-20-3

Signal: 1

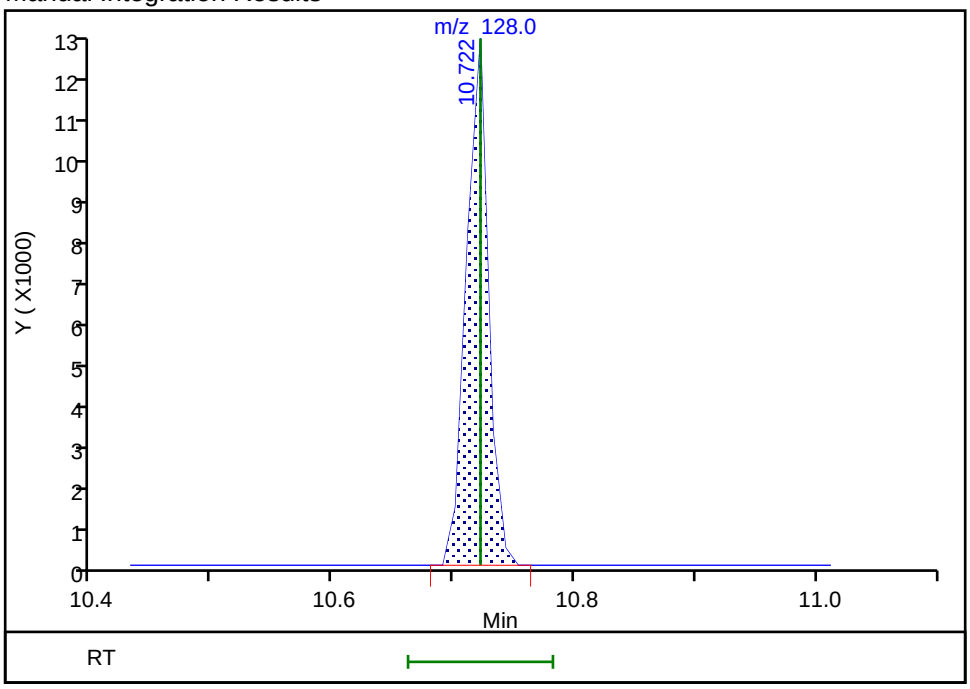
Not Detected
Expected RT: 10.72

Processing Integration Results



Manual Integration Results

RT: 10.72
Area: 15307
Amount: 0.336304
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:27:48
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5154.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 08-Jul-2020 13:23:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 480-0091875-007
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jul-2020 11:00:39 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1065

First Level Reviewer: farrellr Date: 09-Jul-2020 09:33:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	183933	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.002	-0.001	89	700168	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.857	-0.001	96	406786	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	235674	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.493	4.494	-0.001	0	317747	25.0	25.6	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	863432	25.0	24.7	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	280975	25.0	24.7	
11 Dichlorodifluoromethane	85	1.167	1.157	0.010	95	11067	1.00	0.9355	
13 Chloromethane	50	1.312	1.312	0.000	98	18740	1.00	1.04	
151 Butadiene	54	1.385	1.385	0.000	85	13824	1.00	0.9111	
14 Vinyl chloride	62	1.395	1.395	0.000	93	14568	1.00	0.9834	
15 Bromomethane	94	1.644	1.644	0.000	91	8557	1.00	1.00	
16 Chloroethane	64	1.727	1.706	0.021	96	8608	1.00	1.01	
18 Dichlorofluoromethane	67	1.913	1.913	0.000	94	18780	1.00	1.02	a
17 Trichlorofluoromethane	101	1.934	1.924	0.010	72	15590	1.00	0.9281	
19 Ethyl ether	59	2.162	2.152	0.010	94	10451	1.00	0.9575	
21 Acrolein	56	2.338	2.328	0.010	59	5939	5.00	4.80	
22 1,1-Dichloroethene	96	2.369	2.359	0.010	93	7798	1.00	0.9048	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.348	2.369	-0.021	56	7972	1.00	0.8706	a
23 Acetone	43	2.483	2.473	0.010	99	25731	5.00	5.04	
24 Iodomethane	142	2.514	2.514	0.000	98	16402	1.00	1.00	
25 Carbon disulfide	76	2.545	2.535	0.010	100	26024	1.00	0.9249	
27 3-Chloro-1-propene	41	2.701	2.701	0.000	86	17128	1.00	0.8968	
28 Methyl acetate	43	2.742	2.732	0.010	99	24780	2.00	1.99	
30 Methylene Chloride	84	2.835	2.835	0.000	97	17903	1.00	1.02	
31 2-Methyl-2-propanol	59	2.991	2.981	0.010	93	13394	10.0	9.29	
33 Methyl tert-butyl ether	73	3.022	3.012	0.010	88	25745	1.00	0.9121	
32 trans-1,2-Dichloroethene	96	3.032	3.032	0.000	88	8492	1.00	0.8955	
34 Acrylonitrile	53	3.084	3.084	0.000	98	67582	10.0	10.6	
35 Hexane	57	3.188	3.188	0.000	89	18112	1.00	0.9369	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.395	3.385	0.010	96	19368	1.00	0.9782	
39 Vinyl acetate	43	3.436	3.426	0.010	98	46778	2.00	1.76	
42 2,2-Dichloropropane	77	3.830	3.830	0.000	89	12037	1.00	1.03	
43 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	86	8453	1.00	0.8117	
44 2-Butanone (MEK)	43	3.892	3.882	0.010	97	35935	5.00	4.76	
47 Chlorobromomethane	128	4.058	4.048	0.010	91	5612	1.00	0.9380	
48 Tetrahydrofuran	42	4.069	4.058	0.011	83	11694	2.00	2.16	
50 Chloroform	83	4.120	4.120	0.000	95	18569	1.00	1.01	
52 Cyclohexane	56	4.214	4.214	0.000	92	21004	1.00	0.9264	
51 1,1,1-Trichloroethane	97	4.214	4.214	0.000	81	13745	1.00	0.9209	
53 Carbon tetrachloride	117	4.317	4.317	0.000	78	11738	1.00	0.9140	
54 1,1-Dichloropropene	75	4.328	4.328	0.000	89	11581	1.00	0.8856	a
55 Benzene	78	4.493	4.494	-0.001	48	33512	1.00	0.9109	
56 Isobutyl alcohol	43	4.514	4.504	0.010	90	15238	25.0	24.8	
57 1,2-Dichloroethane	62	4.545	4.545	0.000	94	19435	1.00	1.08	
59 n-Heptane	43	4.628	4.628	0.000	95	21083	1.00	1.03	
60 Trichloroethene	95	4.981	4.970	0.011	91	8953	1.00	0.9114	
62 Methylcyclohexane	83	5.063	5.064	-0.001	93	13310	1.00	0.8030	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	83	10008	1.00	0.8896	
65 Dibromomethane	93	5.281	5.271	0.010	91	6504	1.00	0.9812	
66 1,4-Dioxane	88	5.281	5.271	0.010	0	936	20.0	16.2	M
67 Dichlorobromomethane	83	5.395	5.395	0.000	95	11258	1.00	0.8946	
69 2-Chloroethyl vinyl ether	63	5.602	5.602	0.000	92	6956	1.00	0.8768	
71 cis-1,3-Dichloropropene	75	5.716	5.706	0.010	89	12191	1.00	0.8562	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	99	72198	5.00	4.61	
73 Toluene	92	5.934	5.934	0.000	98	23830	1.00	0.9759	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	89	13191	1.00	0.9591	
77 Ethyl methacrylate	69	6.172	6.172	0.000	94	11858	1.00	0.9208	
78 1,1,2-Trichloroethane	83	6.297	6.286	0.011	92	7010	1.00	0.8709	
79 Tetrachloroethene	166	6.328	6.328	0.000	96	10437	1.00	0.9106	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	91	14964	1.00	0.9335	
81 2-Hexanone	43	6.452	6.452	0.000	97	46797	5.00	4.32	
82 Chlorodibromomethane	129	6.587	6.587	0.000	90	9525	1.00	0.9215	
83 Ethylene Dibromide	107	6.670	6.670	0.000	99	10230	1.00	1.02	
86 Chlorobenzene	112	7.022	7.022	0.000	94	26049	1.00	0.9334	
88 Ethylbenzene	91	7.084	7.084	0.000	98	38170	1.00	0.8622	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	90	7611	1.00	0.8232	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	15298	1.00	0.8764	a
91 o-Xylene	106	7.499	7.488	0.011	96	16672	1.00	0.9542	
92 Styrene	104	7.519	7.520	-0.001	92	23939	1.00	0.8330	
93 Bromoform	173	7.706	7.706	0.000	88	6435	1.00	0.9441	
95 Isopropylbenzene	105	7.779	7.779	0.000	96	35195	1.00	0.8381	
97 Bromobenzene	156	8.048	8.048	0.000	91	11409	1.00	0.9664	
98 1,1,2,2-Tetrachloroethane	83	8.089	8.090	-0.001	94	13811	1.00	1.00	
99 N-Propylbenzene	91	8.110	8.100	0.010	98	45483	1.00	0.8935	
101 trans-1,4-Dichloro-2-butene	53	8.131	8.121	0.010	70	4053	1.00	0.8551	
100 1,2,3-Trichloropropane	110	8.110	8.121	-0.011	86	4612	1.00	1.04	
105 2-Chlorotoluene	126	8.193	8.193	0.000	96	9974	1.00	0.9063	
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	95	30557	1.00	0.8367	
102 4-Chlorotoluene	91	8.286	8.286	0.000	97	33135	1.00	0.9090	
106 tert-Butylbenzene	134	8.504	8.504	0.000	92	6268	1.00	0.7797	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	97	28670	1.00	0.7765	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.680	8.680	0.000	95	41151	1.00	0.8407	
111 4-Isopropyltoluene	119	8.805	8.805	-0.001	97	36183	1.00	0.8571	
110 1,3-Dichlorobenzene	146	8.805	8.805	-0.001	97	22115	1.00	0.9317	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	96	23889	1.00	0.9616	
115 n-Butylbenzene	91	9.136	9.136	0.000	98	32801	1.00	0.8573	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	96	22242	1.00	0.9308	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	0	1756	1.00	0.7418	M
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	92	15365	1.00	0.8804	
120 Hexachlorobutadiene	225	10.608	10.608	0.000	94	8379	1.00	0.9237	
121 Naphthalene	128	10.722	10.722	0.000	96	40973	1.00	0.9237	
122 1,2,3-Trichlorobenzene	180	10.908	10.908	0.000	94	17042	1.00	0.9782	
S 126 Xylenes, Total	1				0			1.83	
S 125 Total BTEX	1				0			4.58	
S 123 1,3-Dichloropropene, Total	1				0			1.82	
S 124 1,2-Dichloroethene, Total	1				0			1.71	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00189	Amount Added:	1.00	Units: uL	
GAS CORP mix_00406	Amount Added:	1.00	Units: uL	
T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

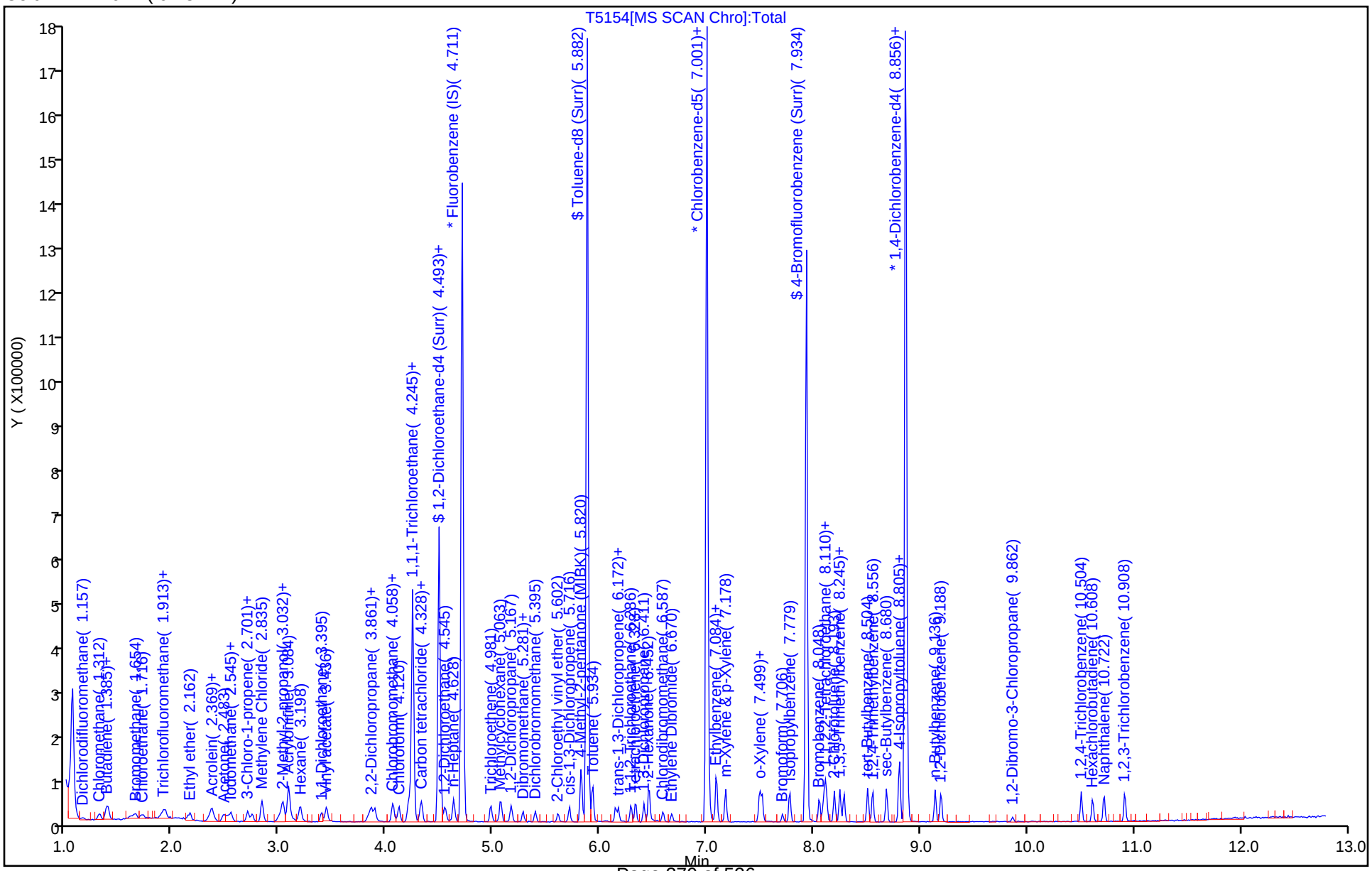
Report Date: 09-Jul-2020 11:00:41 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5154.D

Injection Date:	08-Jul-2020 13:23:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

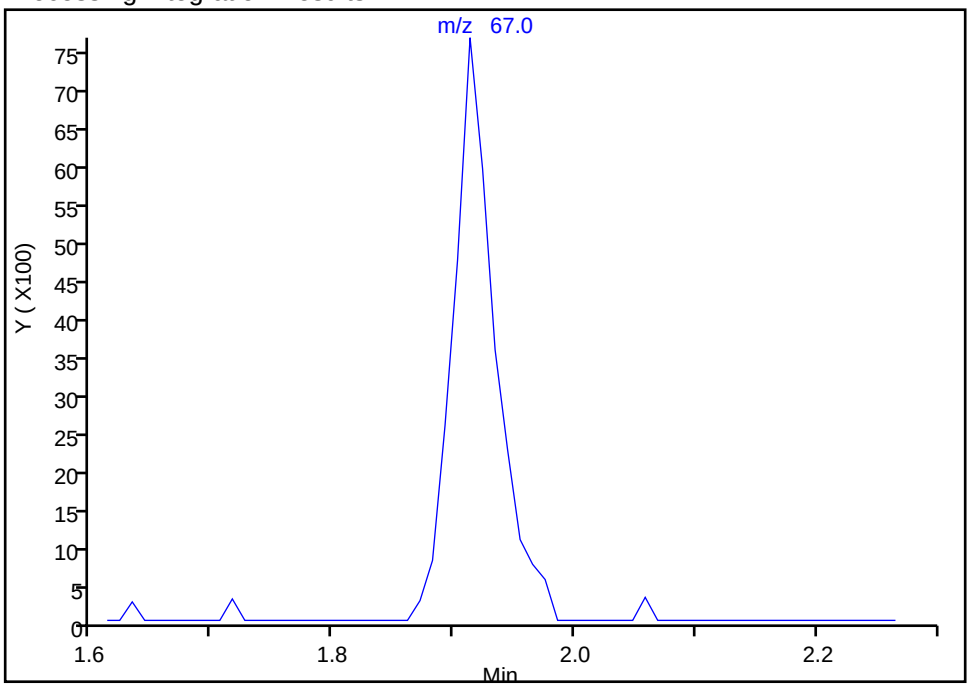
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5154.D
Injection Date: 08-Jul-2020 13:23:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

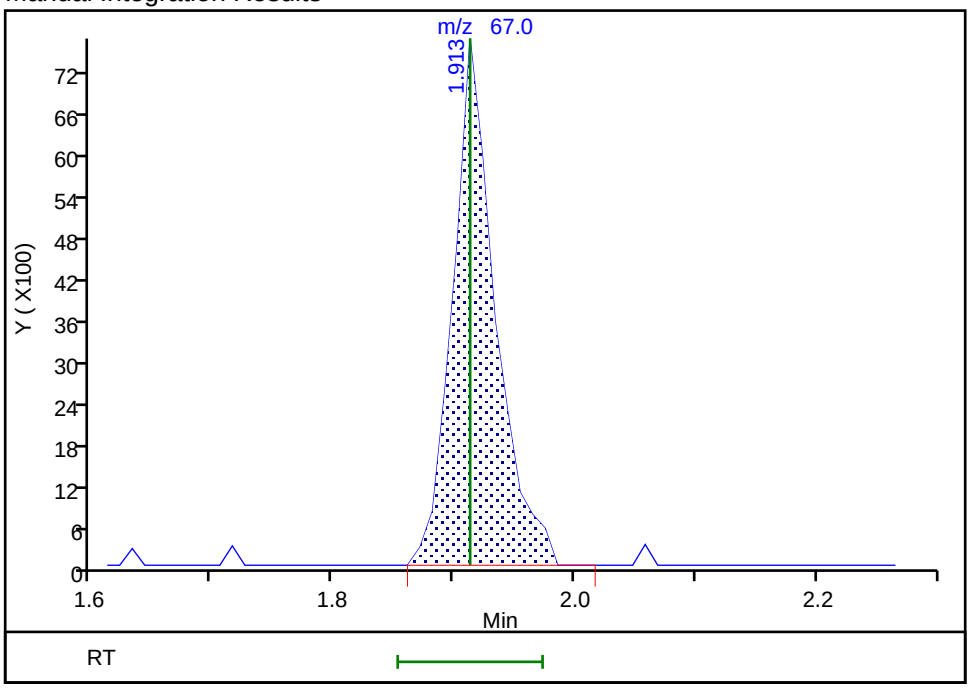
Not Detected
Expected RT: 1.91

Processing Integration Results



Manual Integration Results

RT: 1.91
Area: 18780
Amount: 1.020529
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:28:45
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

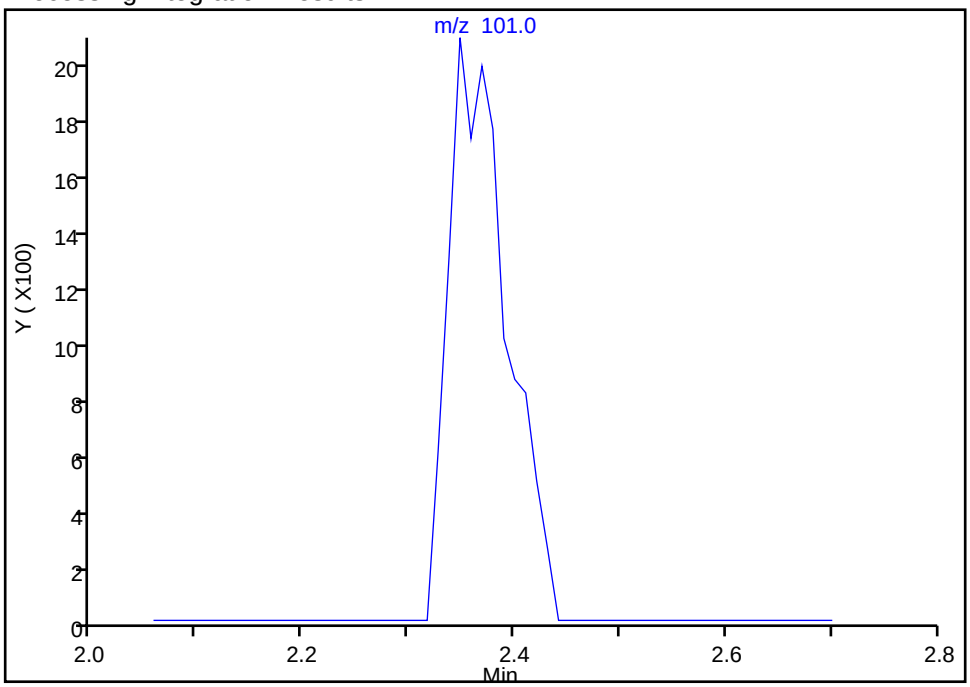
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5154.D
Injection Date: 08-Jul-2020 13:23:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

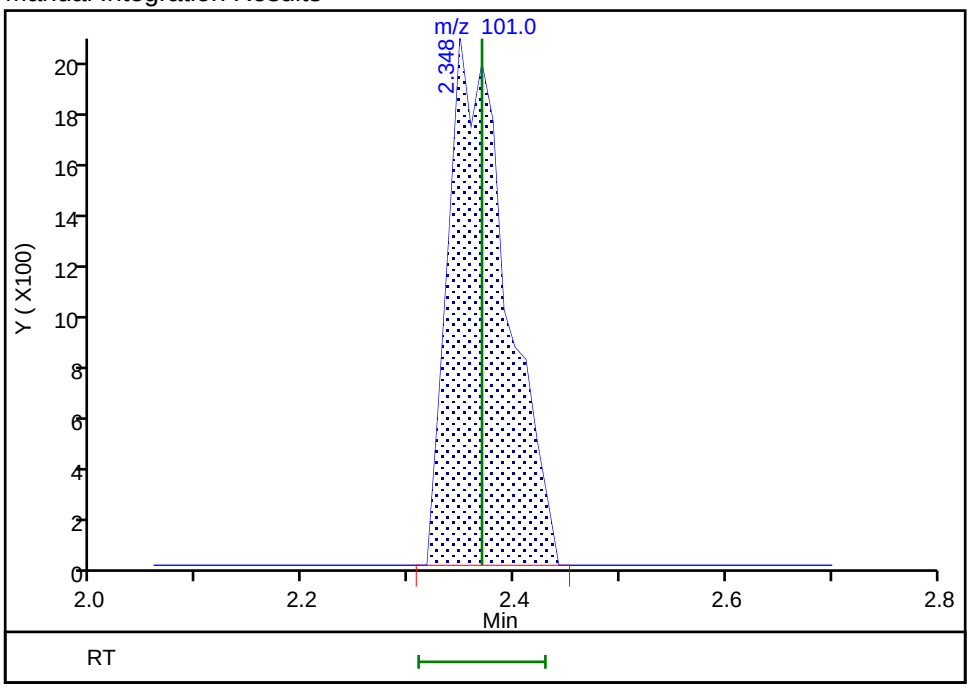
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.35
Area: 7972
Amount: 0.870575
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:28:54
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

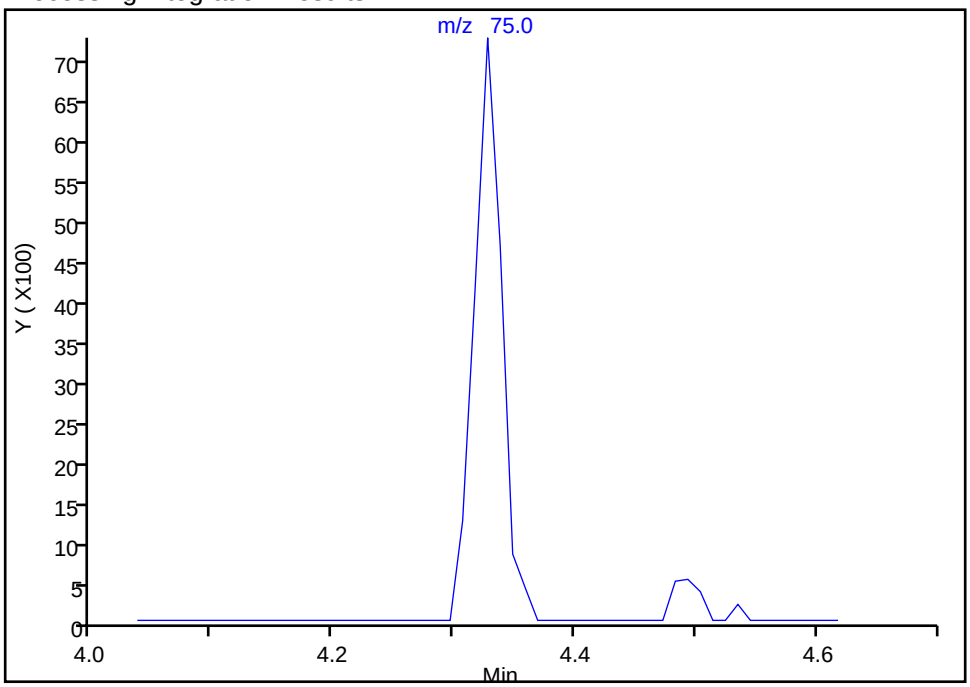
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5154.D
Injection Date: 08-Jul-2020 13:23:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

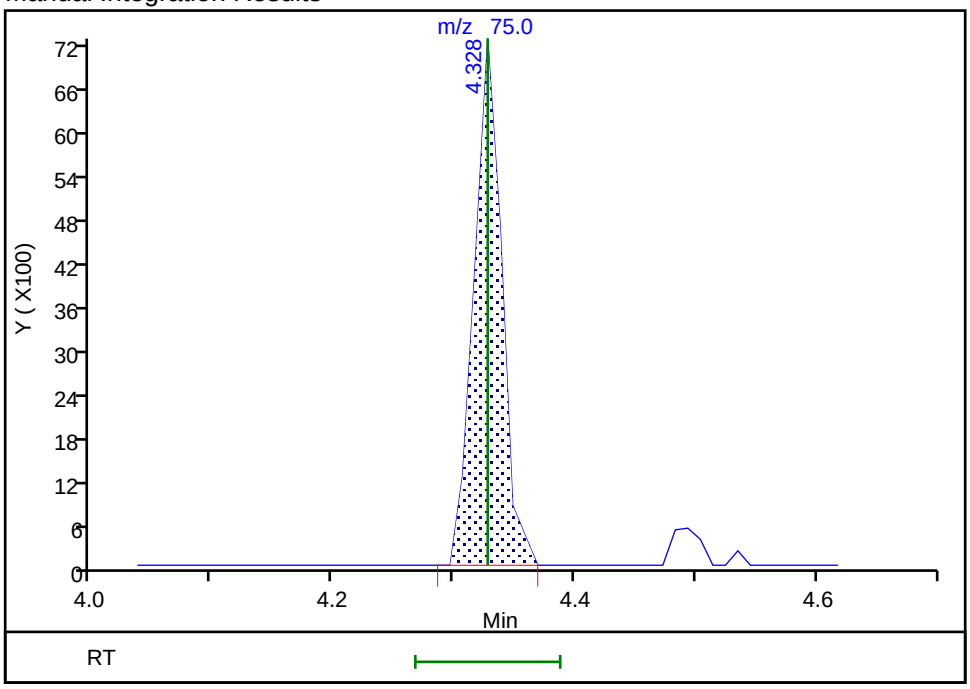
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.33
Area: 11581
Amount: 0.885574
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:29:22
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

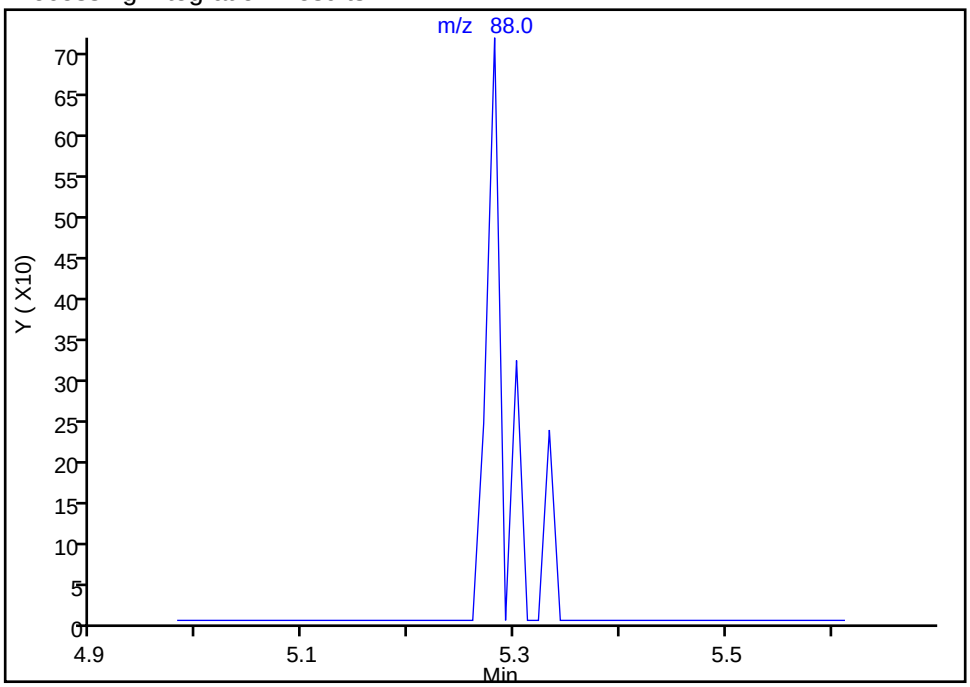
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5154.D
Injection Date: 08-Jul-2020 13:23:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

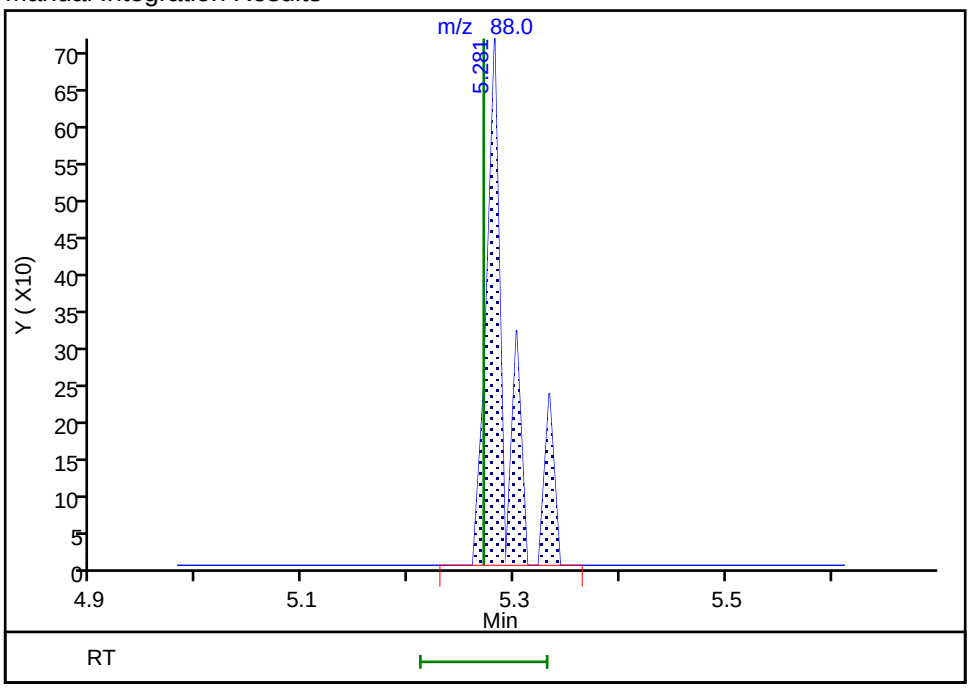
Not Detected
Expected RT: 5.27

Processing Integration Results



Manual Integration Results

RT: 5.28
Area: 936
Amount: 16.180542
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:29:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

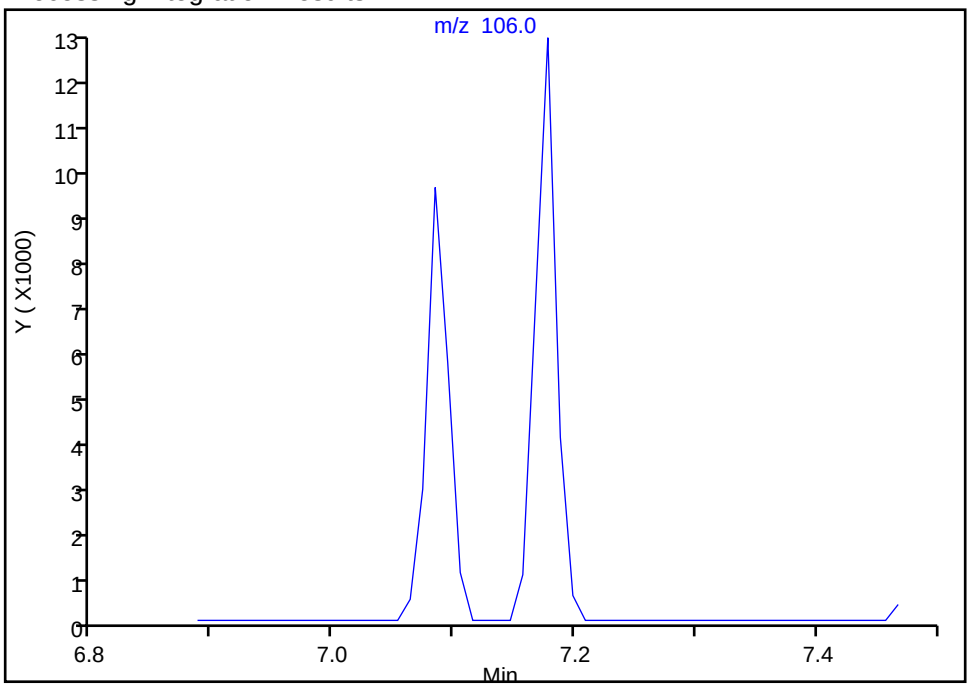
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5154.D
Injection Date: 08-Jul-2020 13:23:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

90 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

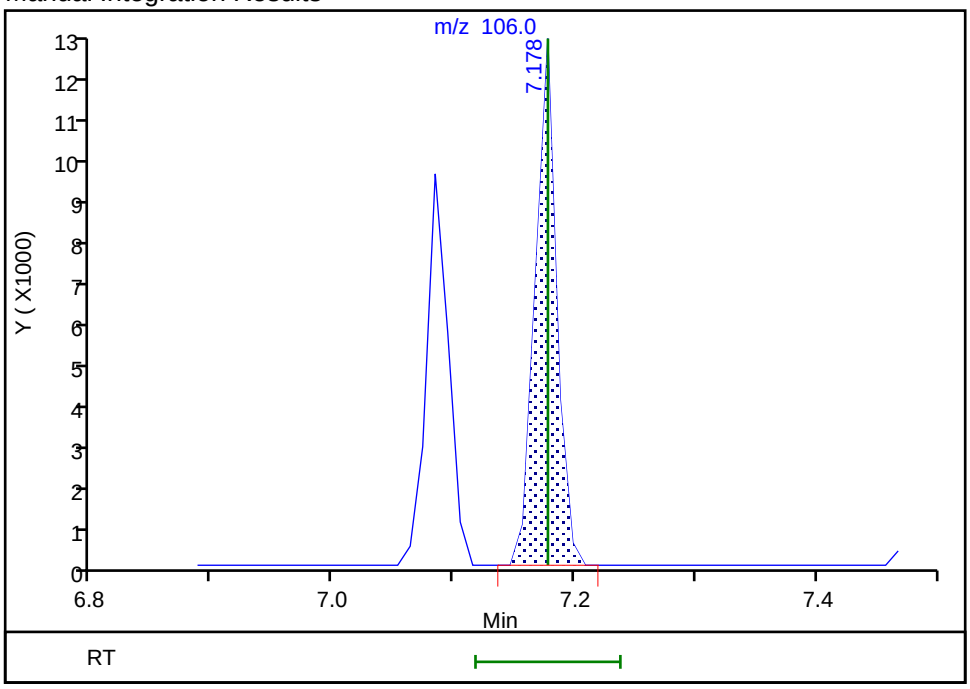
Not Detected
Expected RT: 7.18

Processing Integration Results



Manual Integration Results

RT: 7.18
Area: 15298
Amount: 0.876386
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:32:13
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

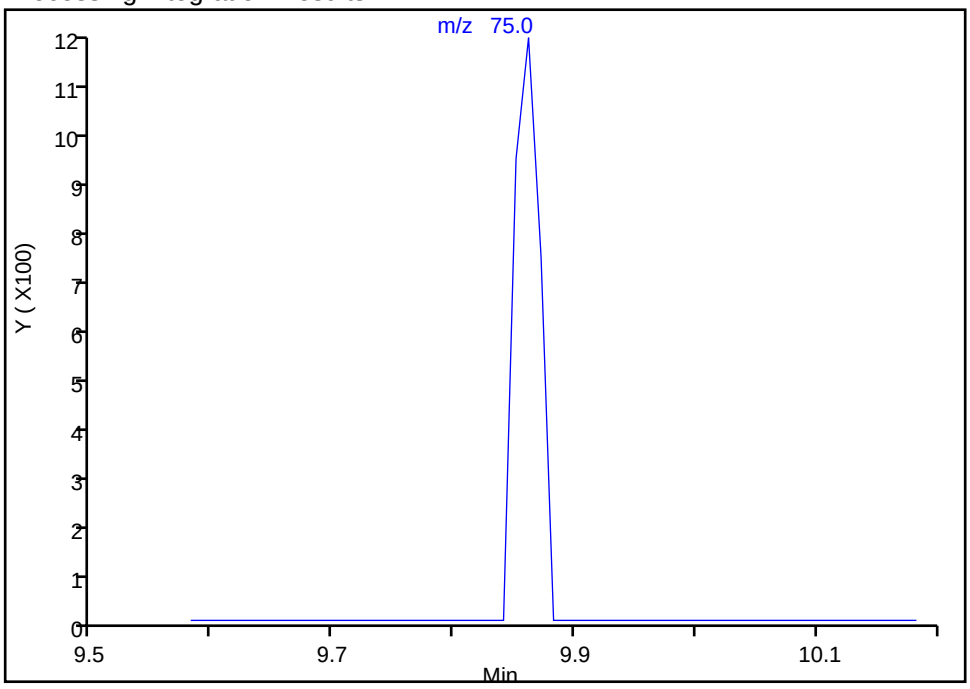
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5154.D
Injection Date: 08-Jul-2020 13:23:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

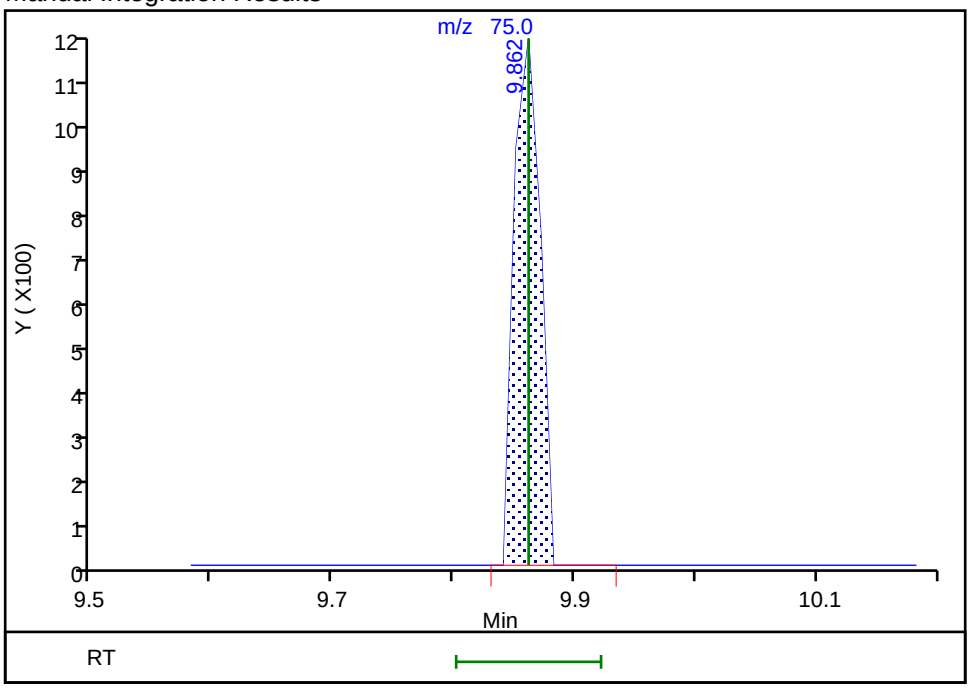
Not Detected
Expected RT: 9.86

Processing Integration Results



Manual Integration Results

RT: 9.86
Area: 1756
Amount: 0.741768
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:33:32
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5155.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jul-2020 13:47:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 2
Misc. Info.: 480-0091875-008
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jul-2020 11:00:48 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1065

First Level Reviewer: farrellr Date: 09-Jul-2020 09:37:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	183354	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.002	-0.001	89	712719	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.857	-0.001	96	420600	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	94	238225	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.493	4.494	-0.001	0	315032	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	880244	25.0	24.7	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	279398	25.0	24.2	
11 Dichlorodifluoromethane	85	1.157	1.157	0.000	98	23074	2.00	1.96	
13 Chloromethane	50	1.302	1.312	-0.010	98	37328	2.00	2.08	
151 Butadiene	54	1.385	1.385	0.000	86	29998	2.00	1.98	
14 Vinyl chloride	62	1.395	1.395	0.000	81	29768	2.00	2.02	
15 Bromomethane	94	1.644	1.644	0.000	91	18101	2.00	2.12	
16 Chloroethane	64	1.695	1.706	-0.011	93	16346	2.00	1.93	
18 Dichlorofluoromethane	67	1.913	1.913	0.000	97	37179	2.00	2.03	a
17 Trichlorofluoromethane	101	1.913	1.924	-0.011	63	32042	2.00	1.91	
19 Ethyl ether	59	2.151	2.152	-0.001	93	21656	2.00	1.99	
21 Acrolein	56	2.328	2.328	0.000	97	11971	10.0	9.71	
22 1,1-Dichloroethene	96	2.359	2.359	0.000	94	15807	2.00	1.84	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.369	2.369	0.000	57	15231	2.00	1.67	
23 Acetone	43	2.462	2.473	-0.011	99	53001	10.0	10.4	
24 Iodomethane	142	2.504	2.514	-0.010	99	32983	2.00	2.02	
25 Carbon disulfide	76	2.535	2.535	0.000	97	51552	2.00	1.84	
27 3-Chloro-1-propene	41	2.690	2.701	-0.011	87	37061	2.00	1.95	
28 Methyl acetate	43	2.732	2.732	0.000	99	52765	4.00	4.25	
30 Methylene Chloride	84	2.835	2.835	0.000	95	26468	2.00	1.85	
31 2-Methyl-2-propanol	59	2.980	2.981	-0.001	91	26184	20.0	18.2	
33 Methyl tert-butyl ether	73	3.012	3.012	0.000	92	57378	2.00	2.04	
32 trans-1,2-Dichloroethene	96	3.022	3.032	-0.010	95	19214	2.00	2.03	
34 Acrylonitrile	53	3.084	3.084	0.000	99	127195	20.0	20.1	
35 Hexane	57	3.188	3.188	0.000	94	32567	2.00	1.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.385	3.385	0.000	96	40272	2.00	2.04	
39 Vinyl acetate	43	3.436	3.426	0.010	97	94467	4.00	3.56	
42 2,2-Dichloropropane	77	3.830	3.830	0.000	70	21067	2.00	1.81	
43 cis-1,2-Dichloroethene	96	3.851	3.861	-0.010	86	21115	2.00	2.03	
44 2-Butanone (MEK)	43	3.892	3.882	0.010	97	75072	10.0	9.97	
47 Chlorobromomethane	128	4.048	4.048	0.000	93	11480	2.00	1.92	
48 Tetrahydrofuran	42	4.058	4.058	0.000	92	23042	4.00	4.27	
50 Chloroform	83	4.120	4.120	0.000	96	37477	2.00	2.04	
52 Cyclohexane	56	4.214	4.214	0.000	94	36215	2.00	1.60	
51 1,1,1-Trichloroethane	97	4.203	4.214	-0.011	82	25845	2.00	1.74	
53 Carbon tetrachloride	117	4.317	4.317	0.000	92	21467	2.00	1.68	
54 1,1-Dichloropropene	75	4.328	4.328	0.000	92	23520	2.00	1.80	
55 Benzene	78	4.493	4.494	-0.001	62	74501	2.00	2.03	
56 Isobutyl alcohol	43	4.504	4.504	0.000	91	27773	50.0	45.3	
57 1,2-Dichloroethane	62	4.545	4.545	0.000	96	38355	2.00	2.13	
59 n-Heptane	43	4.628	4.628	0.000	93	38464	2.00	1.89	
60 Trichloroethene	95	4.970	4.970	0.000	93	18921	2.00	1.93	
62 Methylcyclohexane	83	5.063	5.064	-0.001	97	28677	2.00	1.74	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	93	24876	2.00	2.22	
66 1,4-Dioxane	88	5.271	5.271	0.000	0	4336	40.0	45.3	M
65 Dibromomethane	93	5.271	5.271	0.000	93	13746	2.00	2.08	
67 Dichlorobromomethane	83	5.395	5.395	0.000	96	24817	2.00	1.98	
69 2-Chloroethyl vinyl ether	63	5.602	5.602	0.000	91	14506	2.00	1.83	
71 cis-1,3-Dichloropropene	75	5.716	5.706	0.010	91	27415	2.00	1.93	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	151826	10.0	9.52	
73 Toluene	92	5.924	5.934	-0.010	97	47602	2.00	1.92	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	97	25967	2.00	1.85	
77 Ethyl methacrylate	69	6.172	6.172	0.000	95	24771	2.00	1.89	
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	93	17455	2.00	2.13	
79 Tetrachloroethene	166	6.328	6.328	0.000	97	20365	2.00	1.75	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	98	31960	2.00	1.96	
81 2-Hexanone	43	6.452	6.452	0.000	100	108281	10.0	9.81	
82 Chlorodibromomethane	129	6.587	6.587	0.000	89	19098	2.00	1.82	a
83 Ethylene Dibromide	107	6.670	6.670	0.000	96	19782	2.00	1.94	
86 Chlorobenzene	112	7.022	7.022	0.000	94	57229	2.00	2.01	
88 Ethylbenzene	91	7.084	7.084	0.000	99	88173	2.00	1.96	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	89	18177	2.00	1.93	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	32649	2.00	1.84	
91 o-Xylene	106	7.499	7.488	0.011	96	36477	2.00	2.05	
92 Styrene	104	7.519	7.520	-0.001	95	54614	2.00	1.87	
93 Bromoform	173	7.706	7.706	0.000	93	12562	2.00	1.81	
95 Isopropylbenzene	105	7.779	7.779	0.000	97	78734	2.00	1.81	
97 Bromobenzene	156	8.048	8.048	0.000	94	24039	2.00	1.97	
98 1,1,2,2-Tetrachloroethane	83	8.089	8.090	-0.001	94	26875	2.00	1.89	
99 N-Propylbenzene	91	8.100	8.100	0.000	98	98639	2.00	1.87	
101 trans-1,4-Dichloro-2-butene	53	8.121	8.121	0.000	71	9203	2.00	1.88	
100 1,2,3-Trichloropropane	110	8.121	8.121	0.000	91	9289	2.00	2.02	
105 2-Chlorotoluene	126	8.193	8.193	0.000	97	21650	2.00	1.90	
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	96	70747	2.00	1.87	
102 4-Chlorotoluene	91	8.286	8.286	0.000	98	71584	2.00	1.90	
106 tert-Butylbenzene	134	8.504	8.504	0.000	93	15746	2.00	1.89	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	98	71412	2.00	1.87	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.680	8.680	0.000	95	91177	2.00	1.80	
111 4-Isopropyltoluene	119	8.805	8.805	-0.001	98	82260	2.00	1.88	
110 1,3-Dichlorobenzene	146	8.805	8.805	-0.001	96	47418	2.00	1.93	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	93	50619	2.00	1.97	
115 n-Butylbenzene	91	9.136	9.136	0.000	97	70207	2.00	1.77	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	97	48919	2.00	1.98	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	85	4701	2.00	1.92	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	95	34311	2.00	1.90	
120 Hexachlorobutadiene	225	10.608	10.608	0.000	95	17544	2.00	1.87	
121 Naphthalene	128	10.722	10.722	0.000	97	83388	2.00	1.82	
122 1,2,3-Trichlorobenzene	180	10.919	10.908	0.011	92	33726	2.00	1.87	
S 126 Xylenes, Total	1				0			3.89	
S 125 Total BTEX	1				0			9.79	
S 123 1,3-Dichloropropene, Total	1				0			3.79	
S 124 1,2-Dichloroethene, Total	1				0			4.07	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00406	Amount Added:	2.00	Units: uL	
8260 CORP mix_00189	Amount Added:	2.00	Units: uL	
T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

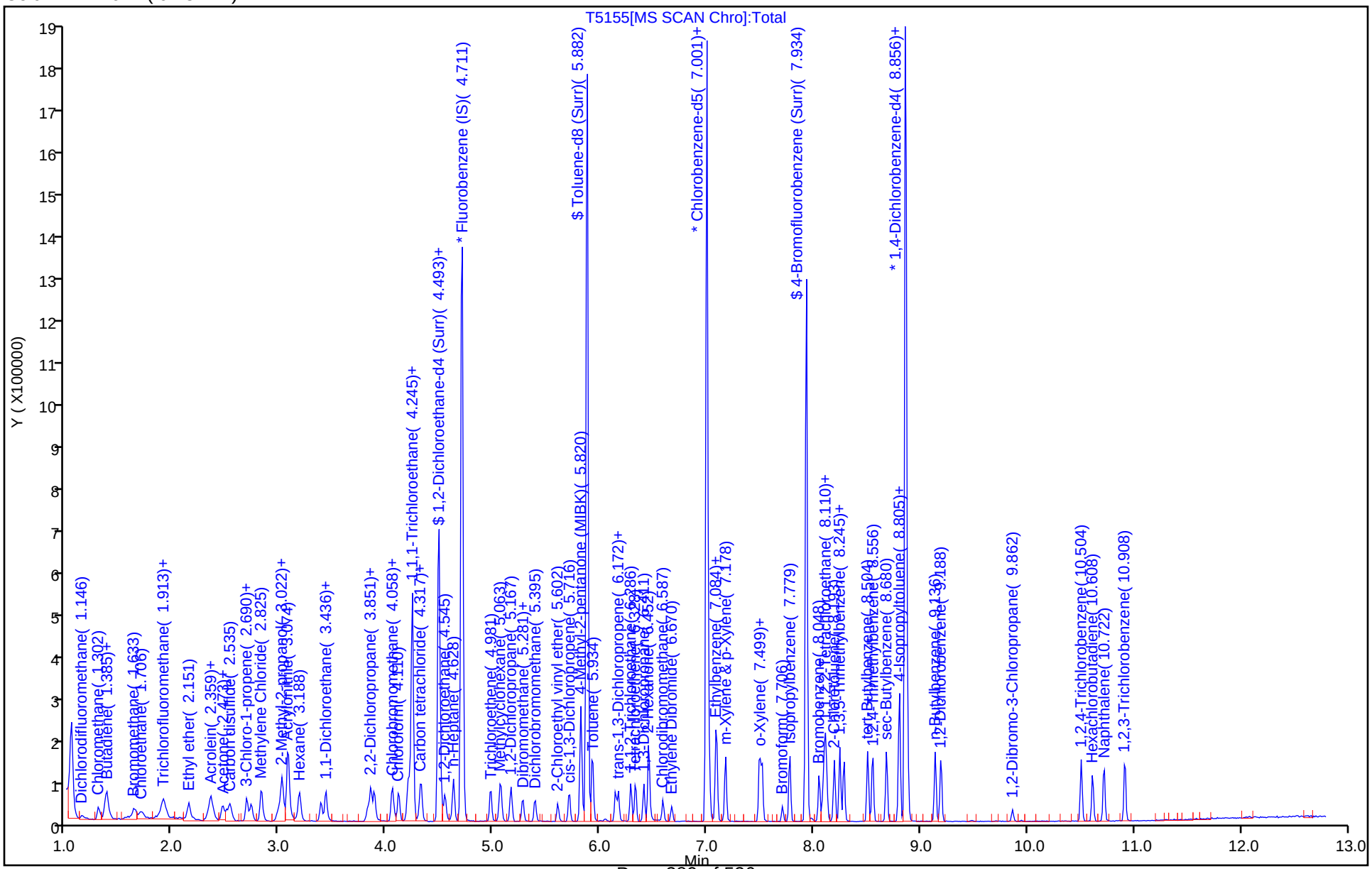
Report Date: 09-Jul-2020 11:00:49 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5155.D

Injection Date:	08-Jul-2020 13:47:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC 2			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

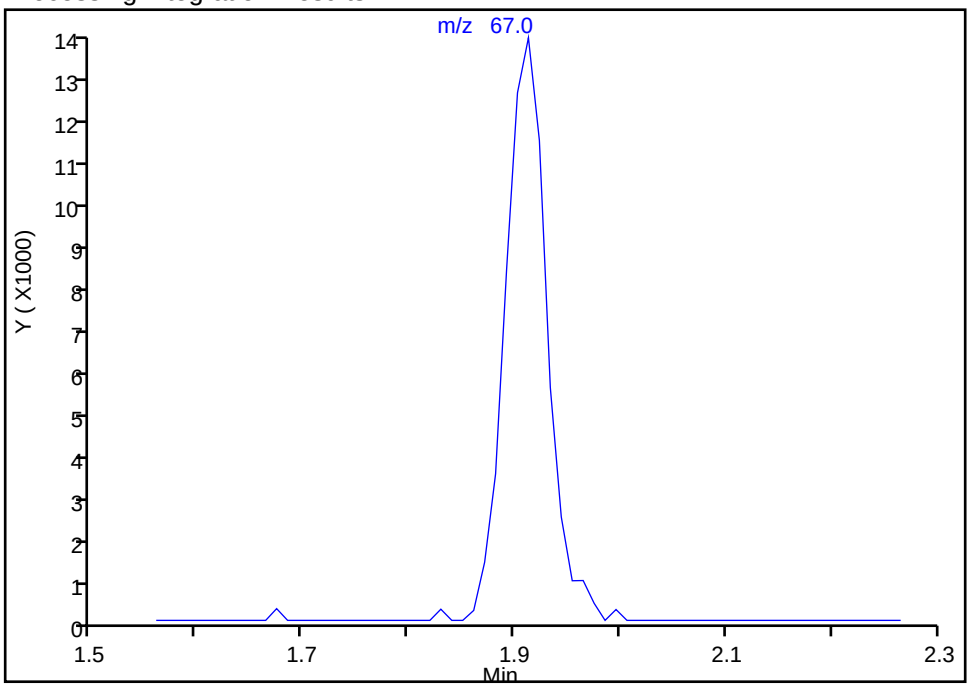
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5155.D
Injection Date: 08-Jul-2020 13:47:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

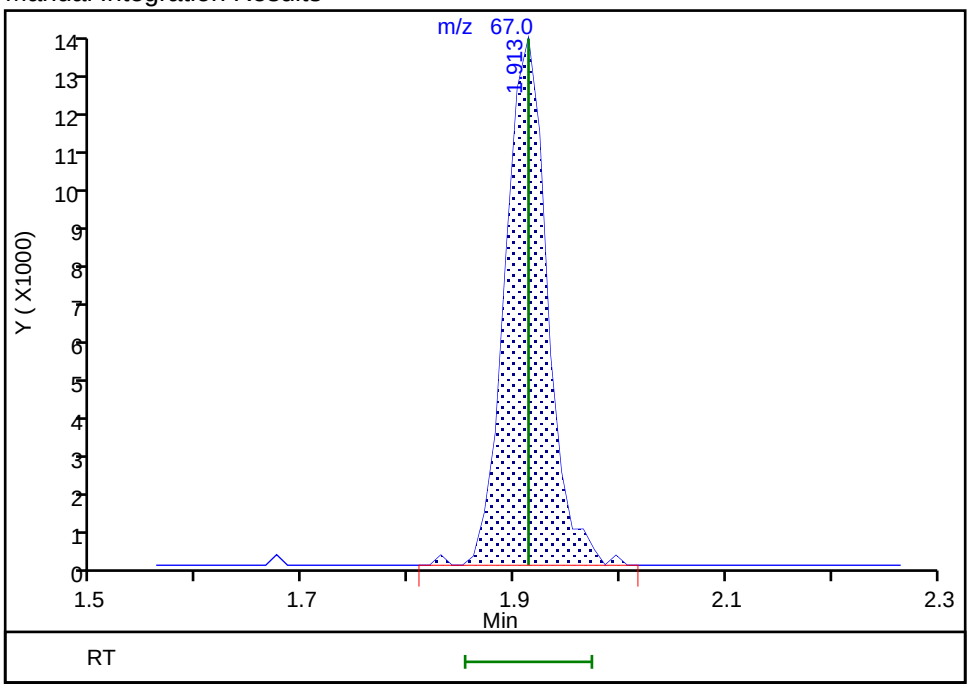
Not Detected
Expected RT: 1.91

Processing Integration Results



Manual Integration Results

RT: 1.91
Area: 37179
Amount: 2.026733
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:34:29
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

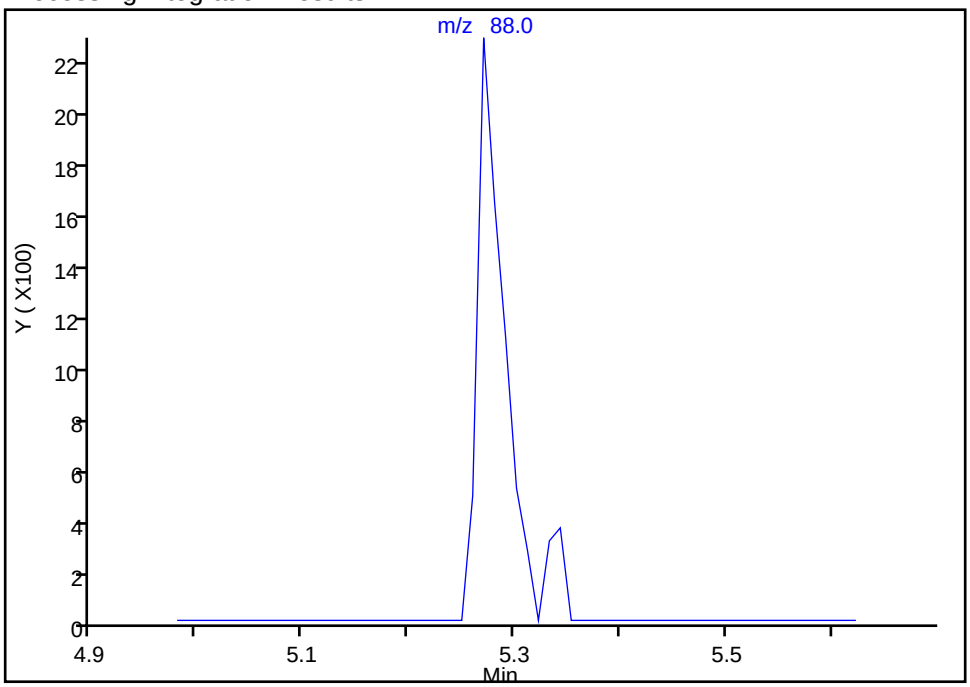
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5155.D
Injection Date: 08-Jul-2020 13:47:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

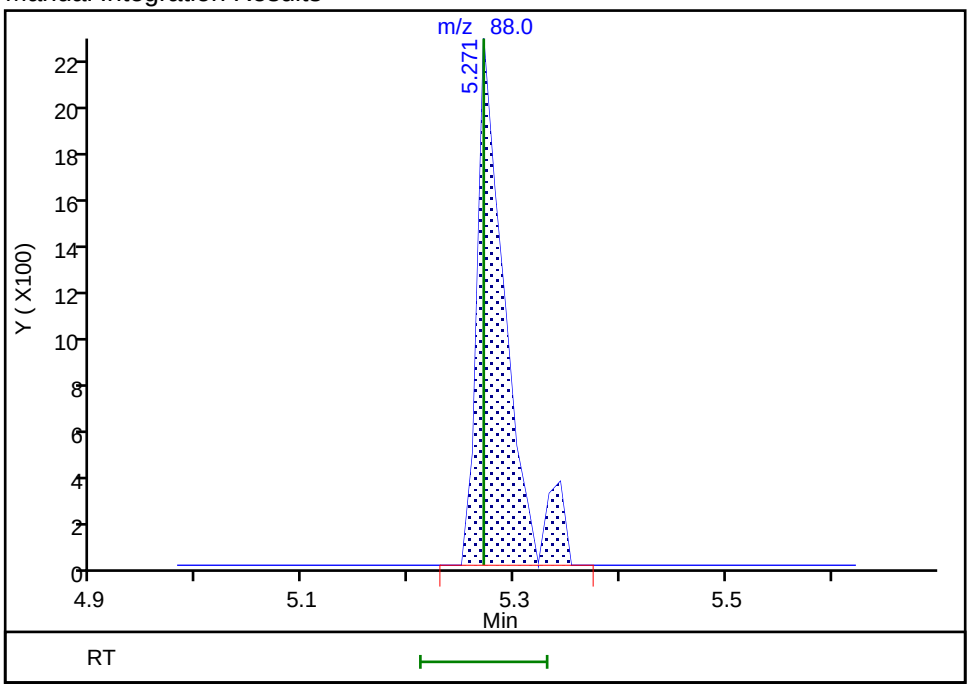
Not Detected
Expected RT: 5.27

Processing Integration Results



Manual Integration Results

RT: 5.27
Area: 4336
Amount: 45.287511
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:35:35
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

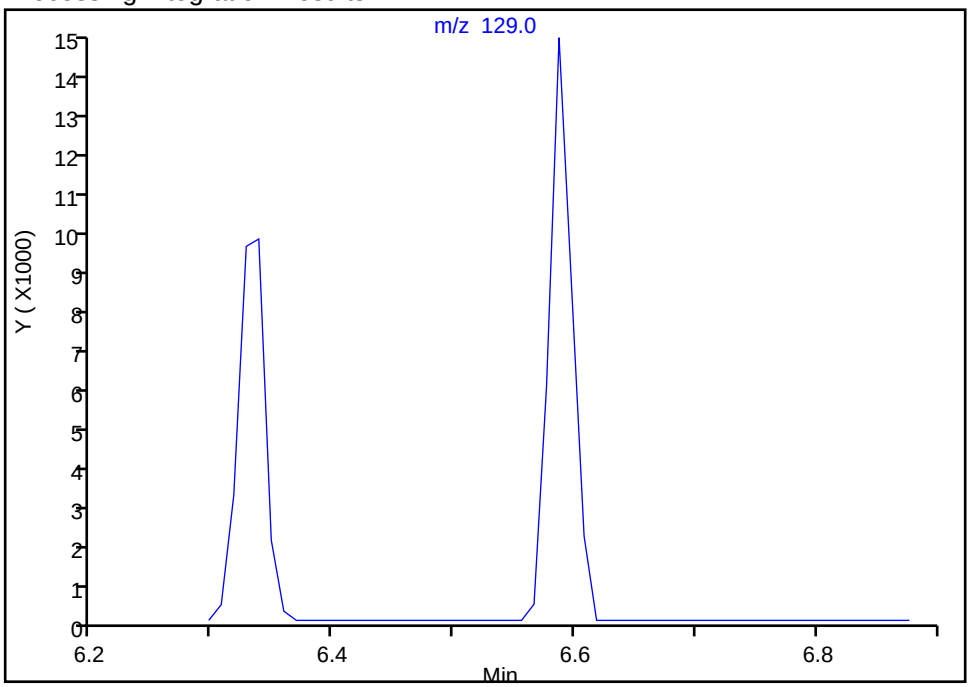
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5155.D
Injection Date: 08-Jul-2020 13:47:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

82 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

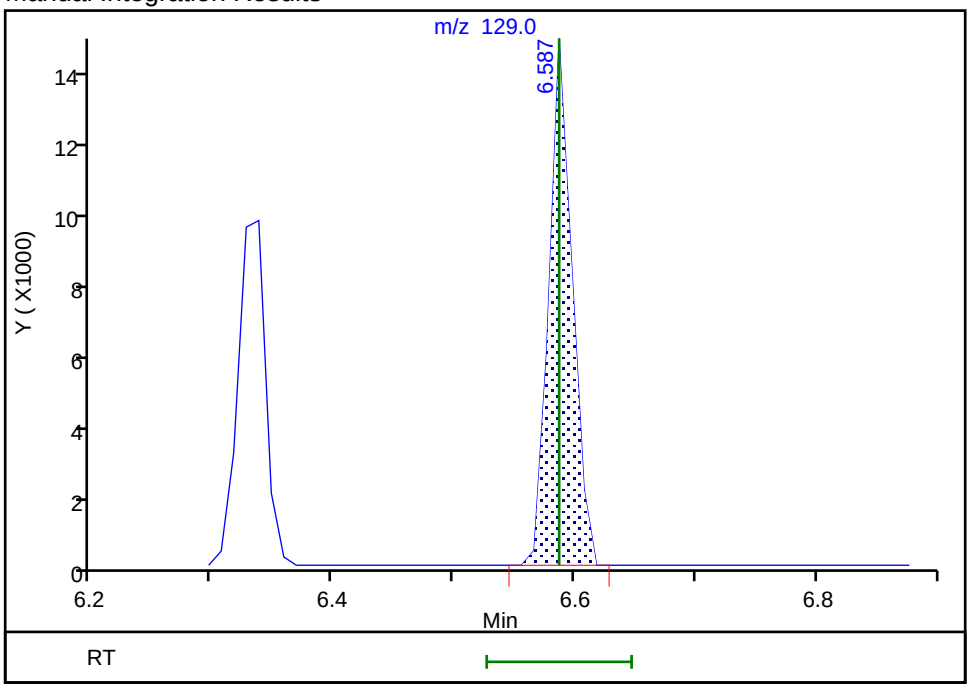
Not Detected
Expected RT: 6.59

Processing Integration Results



Manual Integration Results

RT: 6.59
Area: 19098
Amount: 1.815058
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:35:59
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5156.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 08-Jul-2020 14:11:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 3
Misc. Info.: 480-0091875-009
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jul-2020 11:00:56 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1065

First Level Reviewer: farrellr Date: 09-Jul-2020 09:39:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	190542	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.002	-0.001	89	701538	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.857	-0.001	96	425447	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	94	246842	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.493	4.494	-0.001	0	313155	25.0	24.4	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	874254	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	289417	25.0	25.4	
11 Dichlorodifluoromethane	85	1.167	1.157	0.010	97	59453	5.00	4.85	
13 Chloromethane	50	1.322	1.312	0.010	99	97573	5.00	5.23	
151 Butadiene	54	1.395	1.385	0.010	88	77471	5.00	4.93	
14 Vinyl chloride	62	1.405	1.395	0.010	97	74425	5.00	4.85	
15 Bromomethane	94	1.654	1.644	0.010	90	44737	5.00	5.05	
16 Chloroethane	64	1.716	1.706	0.010	96	47313	5.00	5.37	
18 Dichlorofluoromethane	67	1.923	1.913	0.010	96	99941	5.00	5.24	
17 Trichlorofluoromethane	101	1.923	1.924	-0.001	67	90023	5.00	5.17	
19 Ethyl ether	59	2.162	2.152	0.010	97	57720	5.00	5.10	
21 Acrolein	56	2.338	2.328	0.010	98	32439	25.0	25.3	
22 1,1-Dichloroethene	96	2.369	2.359	0.010	93	47605	5.00	5.33	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.369	2.369	0.000	57	49509	5.00	5.22	
23 Acetone	43	2.483	2.473	0.010	98	136062	25.0	25.7	
24 Iodomethane	142	2.514	2.514	0.000	99	91449	5.00	5.38	
25 Carbon disulfide	76	2.545	2.535	0.010	99	157135	5.00	5.39	
27 3-Chloro-1-propene	41	2.701	2.701	0.000	89	101582	5.00	5.13	
28 Methyl acetate	43	2.742	2.732	0.010	99	126081	10.0	9.76	
30 Methylene Chloride	84	2.835	2.835	0.000	97	64015	5.00	5.20	
31 2-Methyl-2-propanol	59	3.001	2.981	0.020	81	65322	50.0	43.7	
33 Methyl tert-butyl ether	73	3.022	3.012	0.010	96	142903	5.00	4.89	
32 trans-1,2-Dichloroethene	96	3.032	3.032	0.000	94	53432	5.00	5.44	
34 Acrylonitrile	53	3.084	3.084	0.000	100	320737	50.0	48.7	
35 Hexane	57	3.198	3.188	0.010	96	101723	5.00	5.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.395	3.385	0.010	97	106416	5.00	5.19	
39 Vinyl acetate	43	3.436	3.426	0.010	97	255461	10.0	9.26	
42 2,2-Dichloropropane	77	3.830	3.830	0.000	87	63267	5.00	5.23	
43 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	86	58499	5.00	5.42	
44 2-Butanone (MEK)	43	3.892	3.882	0.010	98	197409	25.0	25.2	
47 Chlorobromomethane	128	4.058	4.048	0.010	95	32829	5.00	5.30	
48 Tetrahydrofuran	42	4.069	4.058	0.011	93	55471	10.0	9.90	
50 Chloroform	83	4.120	4.120	0.000	96	93586	5.00	4.89	
52 Cyclohexane	56	4.214	4.214	0.000	94	120521	5.00	5.13	
51 1,1,1-Trichloroethane	97	4.214	4.214	0.000	93	76590	5.00	4.95	
53 Carbon tetrachloride	117	4.328	4.317	0.011	93	66781	5.00	5.02	
54 1,1-Dichloropropene	75	4.328	4.328	0.000	93	72769	5.00	5.37	
55 Benzene	78	4.493	4.494	-0.001	77	201124	5.00	5.28	
56 Isobutyl alcohol	43	4.514	4.504	0.010	92	70502	125.0	110.6	
57 1,2-Dichloroethane	62	4.556	4.545	0.011	97	93272	5.00	4.99	
59 n-Heptane	43	4.628	4.628	0.000	94	106608	5.00	5.03	
60 Trichloroethene	95	4.981	4.970	0.011	94	52573	5.00	5.17	
62 Methylcyclohexane	83	5.074	5.064	0.010	98	85085	5.00	4.95	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	93	61055	5.00	5.24	
65 Dibromomethane	93	5.281	5.271	0.010	92	34682	5.00	5.05	
66 1,4-Dioxane	88	5.281	5.271	0.010	37	11287	100.0	106.6	M
67 Dichlorobromomethane	83	5.395	5.395	0.000	96	63675	5.00	4.88	
69 2-Chloroethyl vinyl ether	63	5.602	5.602	0.000	94	39477	5.00	4.80	
71 cis-1,3-Dichloropropene	75	5.716	5.706	0.010	91	74022	5.00	5.02	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	389951	25.0	24.8	
73 Toluene	92	5.934	5.934	0.000	98	131413	5.00	5.37	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	98	68617	5.00	4.98	
77 Ethyl methacrylate	69	6.172	6.172	0.000	96	58210	5.00	4.51	
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	95	40672	5.00	5.04	
79 Tetrachloroethene	166	6.328	6.328	0.000	98	61967	5.00	5.40	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	99	80822	5.00	5.03	
81 2-Hexanone	43	6.452	6.452	0.000	97	277060	25.0	25.5	
82 Chlorodibromomethane	129	6.587	6.587	0.000	91	49906	5.00	4.82	
83 Ethylene Dibromide	107	6.670	6.670	0.000	99	48955	5.00	4.88	
86 Chlorobenzene	112	7.022	7.022	0.000	94	146537	5.00	5.24	
88 Ethylbenzene	91	7.084	7.084	0.000	98	236983	5.00	5.34	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	89	50508	5.00	5.45	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	92396	5.00	5.28	
91 o-Xylene	106	7.488	7.488	0.000	98	91157	5.00	5.21	
92 Styrene	104	7.520	7.520	0.000	97	151026	5.00	5.25	
93 Bromoform	173	7.706	7.706	0.000	96	33034	5.00	4.84	
95 Isopropylbenzene	105	7.779	7.779	0.000	96	234716	5.00	5.34	
97 Bromobenzene	156	8.048	8.048	0.000	95	61025	5.00	4.94	
98 1,1,2,2-Tetrachloroethane	83	8.089	8.090	-0.001	94	72438	5.00	5.03	
99 N-Propylbenzene	91	8.100	8.100	0.000	99	287117	5.00	5.39	
101 trans-1,4-Dichloro-2-butene	53	8.121	8.121	0.000	72	24535	5.00	4.95	
100 1,2,3-Trichloropropane	110	8.121	8.121	0.000	90	25324	5.00	5.45	
105 2-Chlorotoluene	126	8.193	8.193	0.000	96	57339	5.00	4.98	
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	95	197672	5.00	5.18	
102 4-Chlorotoluene	91	8.286	8.286	0.000	98	204110	5.00	5.35	
106 tert-Butylbenzene	134	8.504	8.504	0.000	94	45273	5.00	5.38	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	98	202111	5.00	5.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.680	8.680	0.000	94	267052	5.00	5.22	
111 4-Isopropyltoluene	119	8.805	8.805	0.000	98	232012	5.00	5.25	
110 1,3-Dichlorobenzene	146	8.805	8.805	0.000	98	130167	5.00	5.24	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	96	138520	5.00	5.33	
115 n-Butylbenzene	91	9.136	9.136	0.000	98	200322	5.00	5.01	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	97	131311	5.00	5.25	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	79	12542	5.00	5.07	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	94	95485	5.00	5.23	
120 Hexachlorobutadiene	225	10.608	10.608	0.000	96	46930	5.00	4.95	
121 Naphthalene	128	10.722	10.722	0.000	97	222947	5.00	4.81	
122 1,2,3-Trichlorobenzene	180	10.908	10.908	0.000	96	92960	5.00	5.10	
S 126 Xylenes, Total	1				0			10.5	
S 125 Total BTEX	1				0			26.5	
S 123 1,3-Dichloropropene, Total	1				0			10.0	
S 124 1,2-Dichloroethene, Total	1				0			10.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00189	Amount Added:	5.00	Units: uL	
GAS CORP mix_00406	Amount Added:	5.00	Units: uL	
T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

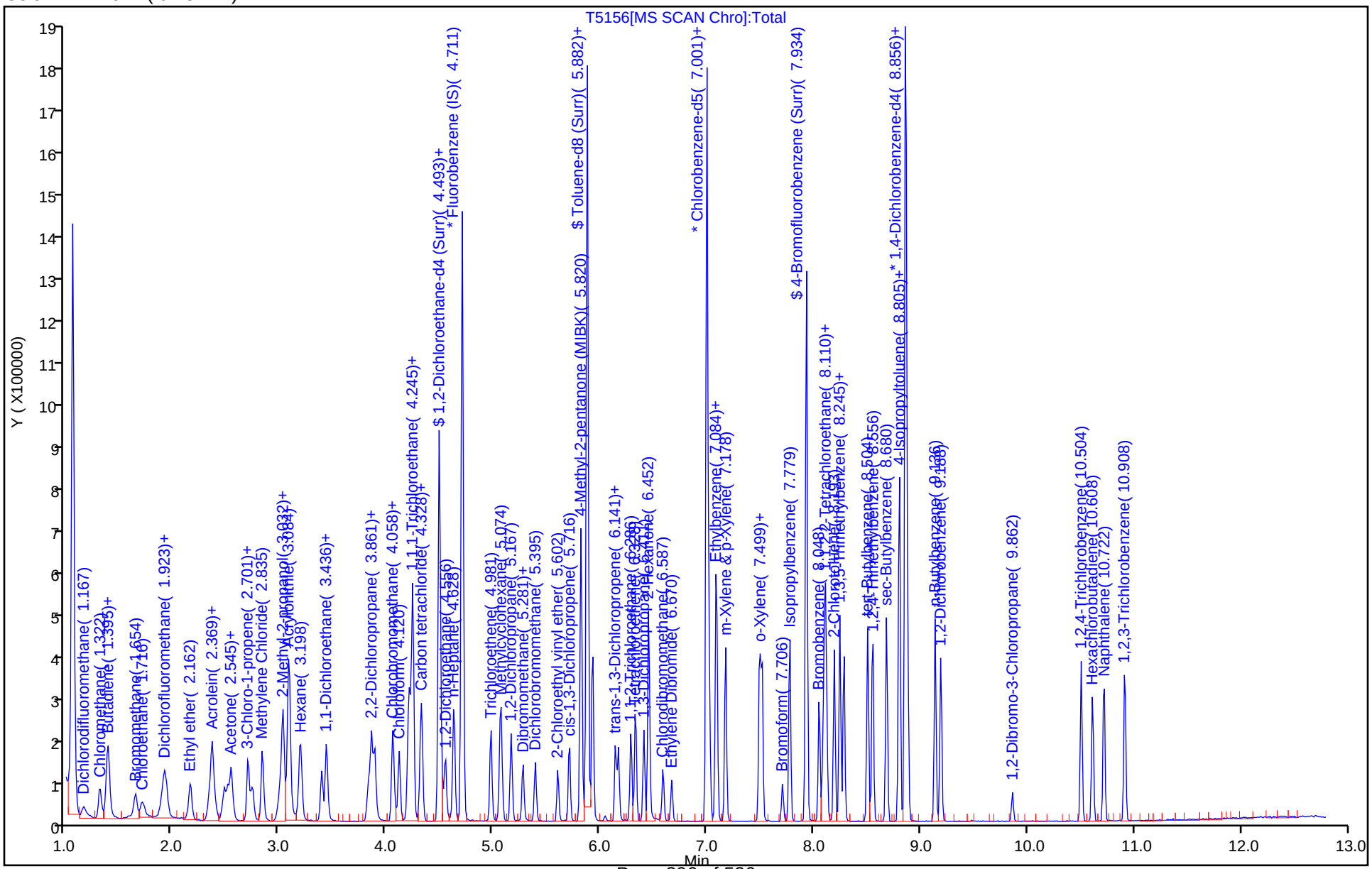
Report Date: 09-Jul-2020 11:00:58 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5156.D

Injection Date:	08-Jul-2020 14:11:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC 3			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

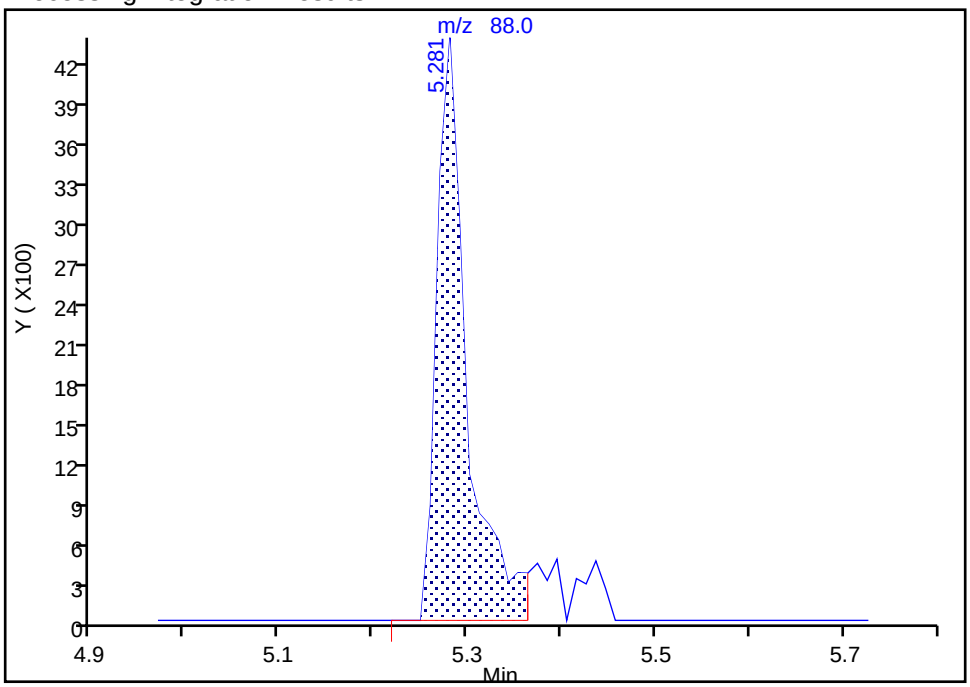
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5156.D
Injection Date: 08-Jul-2020 14:11:30 Instrument ID: HP5975T
Lims ID: IC 3
Client ID:
Operator ID: RF ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

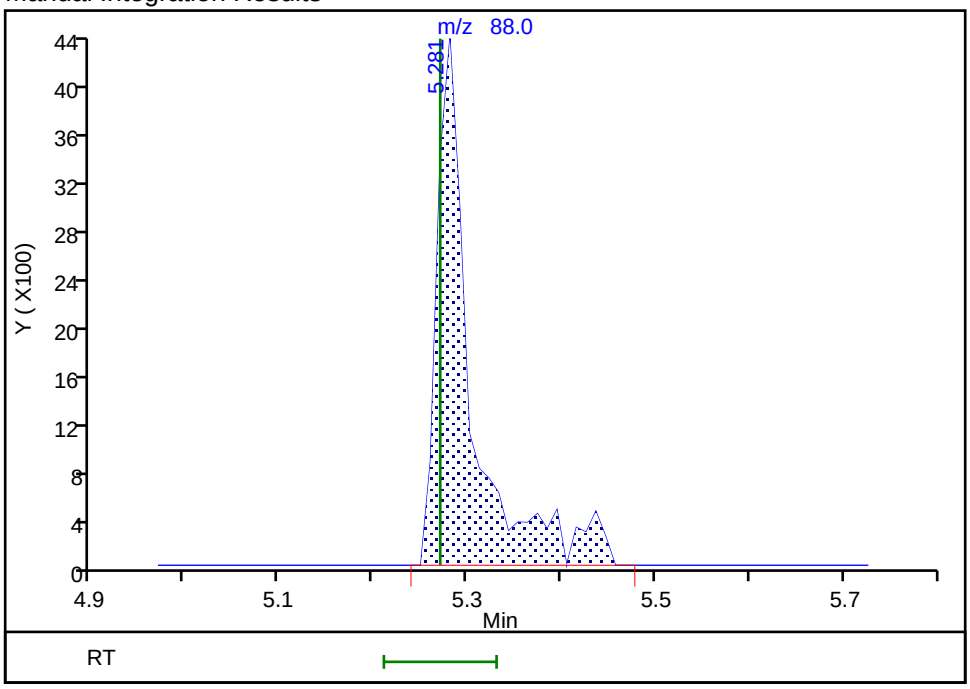
Processing Integration Results

RT: 5.28
Area: 9766
Amount: 97.176493
Amount Units: ug/L



Manual Integration Results

RT: 5.28
Area: 11287
Amount: 106.6369
Amount Units: ug/L



Reviewer: farrellr, 09-Jul-2020 09:38:23
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5157.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 08-Jul-2020 14:35:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 4
Misc. Info.: 480-0091875-010
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jul-2020 11:01:04 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1065

First Level Reviewer: farrellr Date: 09-Jul-2020 09:43:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	184857	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.002	-0.001	89	698204	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.857	-0.001	95	413120	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	94	241146	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.493	4.494	-0.001	0	310470	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	873388	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	287881	25.0	25.4	
11 Dichlorodifluoromethane	85	1.167	1.157	0.010	98	122609	10.0	10.3	
13 Chloromethane	50	1.322	1.312	0.010	98	185329	10.0	10.2	
151 Butadiene	54	1.385	1.385	-0.001	90	155649	10.0	10.2	
14 Vinyl chloride	62	1.405	1.395	0.010	98	152857	10.0	10.3	
15 Bromomethane	94	1.654	1.644	0.010	92	88463	10.0	10.3	
16 Chloroethane	64	1.716	1.706	0.010	97	88412	10.0	10.3	
18 Dichlorofluoromethane	67	1.923	1.913	0.010	96	195579	10.0	10.6	
17 Trichlorofluoromethane	101	1.934	1.924	0.010	65	175552	10.0	10.4	
19 Ethyl ether	59	2.162	2.152	0.010	98	114496	10.0	10.4	
21 Acrolein	56	2.338	2.328	0.010	98	61021	50.0	49.1	
22 1,1-Dichloroethene	96	2.369	2.359	0.010	92	88265	10.0	10.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.369	2.369	0.000	54	97362	10.0	10.6	
23 Acetone	43	2.483	2.473	0.010	100	246616	50.0	48.0	
24 Iodomethane	142	2.514	2.514	0.000	99	171785	10.0	10.4	
25 Carbon disulfide	76	2.545	2.535	0.010	100	294290	10.0	10.4	
27 3-Chloro-1-propene	41	2.701	2.701	0.000	88	200822	10.0	10.5	
28 Methyl acetate	43	2.742	2.732	0.010	100	231162	20.0	18.5	
30 Methylene Chloride	84	2.835	2.835	0.000	96	113766	10.0	10.1	
31 2-Methyl-2-propanol	59	3.001	2.981	0.020	99	143352	100.0	98.9	
33 Methyl tert-butyl ether	73	3.022	3.012	0.010	98	294774	10.0	10.4	
32 trans-1,2-Dichloroethene	96	3.032	3.032	0.000	92	103358	10.0	10.8	
34 Acrylonitrile	53	3.084	3.084	0.000	99	651043	100.0	101.8	
35 Hexane	57	3.198	3.188	0.010	95	205073	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.395	3.385	0.010	97	203659	10.0	10.2	
39 Vinyl acetate	43	3.436	3.426	0.010	97	549935	20.0	20.5	
42 2,2-Dichloropropane	77	3.841	3.830	0.011	88	126586	10.0	10.8	
43 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	84	112439	10.0	10.7	
44 2-Butanone (MEK)	43	3.882	3.882	0.000	98	399888	50.0	52.7	
47 Chlorobromomethane	128	4.058	4.048	0.010	92	58347	10.0	9.70	
48 Tetrahydrofuran	42	4.058	4.058	0.000	92	105218	20.0	19.3	
50 Chloroform	83	4.120	4.120	0.000	96	187917	10.0	10.1	
52 Cyclohexane	56	4.214	4.214	0.000	94	234329	10.0	10.3	
51 1,1,1-Trichloroethane	97	4.214	4.214	0.000	97	155834	10.0	10.4	
53 Carbon tetrachloride	117	4.317	4.317	0.000	96	133823	10.0	10.4	
54 1,1-Dichloropropene	75	4.328	4.328	0.000	89	133798	10.0	10.2	
55 Benzene	78	4.493	4.494	-0.001	90	391251	10.0	10.6	
56 Isobutyl alcohol	43	4.514	4.504	0.010	94	151667	250.0	245.4	
57 1,2-Dichloroethane	62	4.545	4.545	0.000	97	180903	10.0	9.97	
59 n-Heptane	43	4.628	4.628	0.000	96	213078	10.0	10.4	
60 Trichloroethene	95	4.980	4.970	0.010	93	108743	10.0	11.0	
62 Methylcyclohexane	83	5.074	5.064	0.010	98	175126	10.0	10.5	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	92	118480	10.0	10.5	
66 1,4-Dioxane	88	5.281	5.271	0.010	37	23028	200.0	210.2	
65 Dibromomethane	93	5.281	5.271	0.010	91	67892	10.0	10.2	
67 Dichlorobromomethane	83	5.395	5.395	0.000	97	133056	10.0	10.5	
69 2-Chloroethyl vinyl ether	63	5.602	5.602	0.000	93	79995	10.0	10.0	
71 cis-1,3-Dichloropropene	75	5.716	5.706	0.010	90	149271	10.0	10.4	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	824839	50.0	52.8	
73 Toluene	92	5.934	5.934	0.000	97	251582	10.0	10.3	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	97	139584	10.0	10.2	
77 Ethyl methacrylate	69	6.172	6.172	0.000	95	129808	10.0	10.1	
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	93	81938	10.0	10.2	
79 Tetrachloroethene	166	6.328	6.328	0.000	96	121783	10.0	10.7	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	98	167476	10.0	10.5	
81 2-Hexanone	43	6.452	6.452	0.000	97	567304	50.0	52.5	
82 Chlorodibromomethane	129	6.587	6.587	0.000	90	105193	10.0	10.2	
83 Ethylene Dibromide	107	6.670	6.670	0.000	98	104935	10.0	10.5	
86 Chlorobenzene	112	7.022	7.022	0.000	93	283436	10.0	10.2	
88 Ethylbenzene	91	7.084	7.084	0.000	98	469320	10.0	10.6	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	93	95572	10.0	10.4	
90 m-Xylene & p-Xylene	106	7.177	7.178	-0.001	0	184973	10.0	10.6	
91 o-Xylene	106	7.499	7.488	0.011	97	180479	10.0	10.4	
92 Styrene	104	7.519	7.520	-0.001	95	297674	10.0	10.4	
93 Bromoform	173	7.706	7.706	0.000	96	68057	10.0	10.0	
95 Isopropylbenzene	105	7.779	7.779	-0.001	96	465206	10.0	10.9	
97 Bromobenzene	156	8.048	8.048	0.000	95	128875	10.0	10.7	
98 1,1,2,2-Tetrachloroethane	83	8.089	8.090	-0.001	97	141631	10.0	10.1	
99 N-Propylbenzene	91	8.110	8.100	0.010	98	555906	10.0	10.8	
101 trans-1,4-Dichloro-2-butene	53	8.120	8.121	-0.001	76	50681	10.0	10.5	
100 1,2,3-Trichloropropane	110	8.120	8.121	-0.001	91	45819	10.0	10.2	
105 2-Chlorotoluene	126	8.193	8.193	0.000	96	114462	10.0	10.2	
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	94	400177	10.0	10.8	
102 4-Chlorotoluene	91	8.286	8.286	0.000	98	400992	10.0	10.8	
106 tert-Butylbenzene	134	8.504	8.504	0.000	93	86717	10.0	10.6	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	97	413245	10.0	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.680	8.680	0.000	95	515045	10.0	10.4	
111 4-Isopropyltoluene	119	8.804	8.805	-0.001	97	461297	10.0	10.8	
110 1,3-Dichlorobenzene	146	8.804	8.805	-0.001	98	259420	10.0	10.8	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	96	270619	10.0	10.7	
115 n-Butylbenzene	91	9.136	9.136	0.000	98	397856	10.0	10.2	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	98	253450	10.0	10.4	
117 1,2-Dibromo-3-Chloropropane	75	9.861	9.862	-0.001	83	24236	10.0	10.1	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	94	187759	10.0	10.6	
120 Hexachlorobutadiene	225	10.608	10.608	0.000	97	95023	10.0	10.3	
121 Naphthalene	128	10.722	10.722	0.000	97	471449	10.0	10.5	
122 1,2,3-Trichlorobenzene	180	10.919	10.908	0.010	95	188716	10.0	10.7	
S 126 Xylenes, Total	1				0			21.0	
S 125 Total BTEX	1				0			52.5	
S 123 1,3-Dichloropropene, Total	1				0			20.6	
S 124 1,2-Dichloroethene, Total	1				0			21.6	

Reagents:

8260 CORP mix_00189	Amount Added:	5.00	Units: uL	
GAS CORP mix_00406	Amount Added:	5.00	Units: uL	
T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

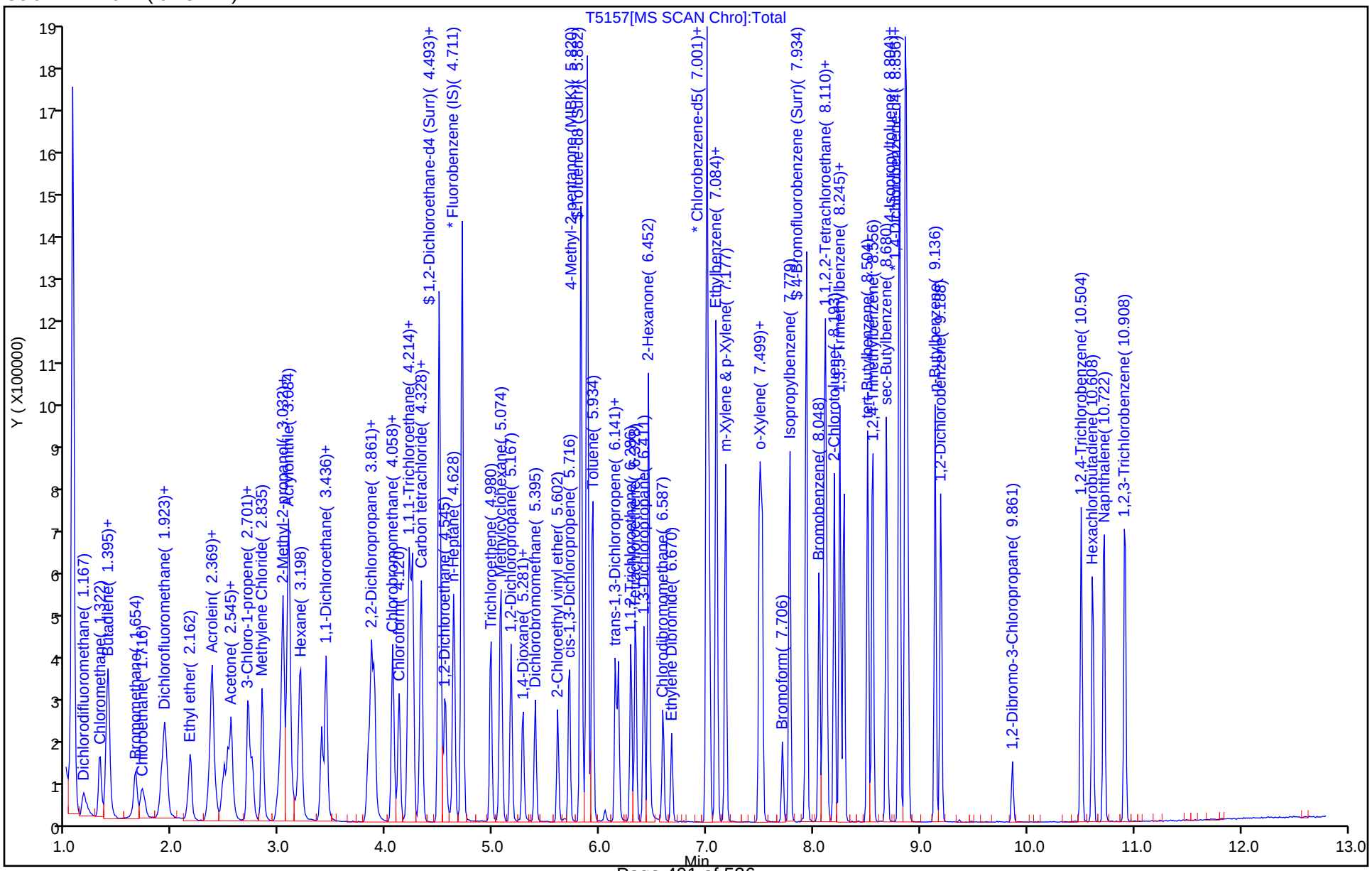
Report Date: 09-Jul-2020 11:01:06 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5157.D

Injection Date:	08-Jul-2020 14:35:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC 4			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5158.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 08-Jul-2020 14:59:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: icis 5
Misc. Info.: 480-0091875-011
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jul-2020 11:01:13 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1065

First Level Reviewer: farrellr Date: 09-Jul-2020 09:19:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	186211	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.001	0.000	88	707159	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.856	0.000	95	416687	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	243692	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	321641	25.0	25.6	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	900265	25.0	25.5	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	280099	25.0	24.4	
11 Dichlorodifluoromethane	85	1.157	1.157	0.000	99	323394	25.0	27.0	
13 Chloromethane	50	1.312	1.312	0.000	98	440734	25.0	24.2	
151 Butadiene	54	1.385	1.385	0.000	90	399148	25.0	26.0	
14 Vinyl chloride	62	1.395	1.395	0.000	99	376599	25.0	25.1	
15 Bromomethane	94	1.644	1.644	0.000	92	211743	25.0	24.5	
16 Chloroethane	64	1.706	1.706	0.000	98	213411	25.0	24.8	
18 Dichlorofluoromethane	67	1.913	1.913	0.000	96	468626	25.0	25.2	
17 Trichlorofluoromethane	101	1.924	1.924	0.000	81	440259	25.0	25.9	
19 Ethyl ether	59	2.152	2.152	0.000	98	277828	25.0	25.1	
21 Acrolein	56	2.328	2.328	0.000	100	158799	125.0	126.9	
22 1,1-Dichloroethene	96	2.359	2.359	0.000	95	222725	25.0	25.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.369	2.369	0.000	93	246689	25.0	26.6	
23 Acetone	43	2.473	2.473	0.000	99	597717	125.0	115.6	
24 Iodomethane	142	2.514	2.514	0.000	99	420651	25.0	25.3	
25 Carbon disulfide	76	2.535	2.535	0.000	100	750727	25.0	26.4	
27 3-Chloro-1-propene	41	2.701	2.701	0.000	88	495360	25.0	25.6	
28 Methyl acetate	43	2.732	2.732	0.000	100	619228	50.0	49.1	
30 Methylene Chloride	84	2.835	2.835	0.000	96	266013	25.0	24.3	
31 2-Methyl-2-propanol	59	2.981	2.981	0.000	98	383441	250.0	262.7	
33 Methyl tert-butyl ether	73	3.012	3.012	0.000	98	730208	25.0	25.6	
32 trans-1,2-Dichloroethene	96	3.032	3.032	0.000	92	248177	25.0	25.9	
34 Acrylonitrile	53	3.084	3.084	0.000	99	1639830	250.0	254.6	
35 Hexane	57	3.188	3.188	0.000	93	513634	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.385	3.385	0.000	97	502140	25.0	25.1	
39 Vinyl acetate	43	3.426	3.426	0.000	97	1425336	50.0	52.9	
42 2,2-Dichloropropane	77	3.830	3.830	0.000	90	311136	25.0	26.3	
43 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	85	276495	25.0	26.2	
44 2-Butanone (MEK)	43	3.882	3.882	0.000	98	961621	125.0	125.7	
47 Chlorobromomethane	128	4.048	4.048	0.000	94	151464	25.0	25.0	
48 Tetrahydrofuran	42	4.058	4.058	0.000	93	263363	50.0	48.1	
50 Chloroform	83	4.120	4.120	0.000	96	450441	25.0	24.1	
52 Cyclohexane	56	4.214	4.214	0.000	94	611149	25.0	26.6	
51 1,1,1-Trichloroethane	97	4.214	4.214	0.000	97	396191	25.0	26.2	
53 Carbon tetrachloride	117	4.317	4.317	0.000	98	339229	25.0	26.1	
54 1,1-Dichloropropene	75	4.328	4.328	0.000	93	344745	25.0	26.0	
55 Benzene	78	4.494	4.494	0.000	95	956892	25.0	25.7	
56 Isobutyl alcohol	43	4.504	4.504	0.000	94	393397	625.0	631.8	
57 1,2-Dichloroethane	62	4.545	4.545	0.000	97	434679	25.0	23.8	
59 n-Heptane	43	4.628	4.628	0.000	96	576720	25.0	27.8	
60 Trichloroethene	95	4.970	4.970	0.000	95	261922	25.0	26.3	
62 Methylcyclohexane	83	5.064	5.064	0.000	98	455023	25.0	27.1	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	93	294700	25.0	25.9	
65 Dibromomethane	93	5.271	5.271	0.000	92	163987	25.0	24.4	
66 1,4-Dioxane	88	5.271	5.271	0.000	40	52574	500.0	463.9	
67 Dichlorobromomethane	83	5.395	5.395	0.000	97	327474	25.0	25.7	
69 2-Chloroethyl vinyl ether	63	5.602	5.602	0.000	93	209962	25.0	26.1	
71 cis-1,3-Dichloropropene	75	5.706	5.706	0.000	90	376616	25.0	26.1	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	2032547	125.0	128.5	
73 Toluene	92	5.934	5.934	0.000	98	622683	25.0	25.2	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	97	351807	25.0	25.3	
77 Ethyl methacrylate	69	6.172	6.172	0.000	95	328922	25.0	25.3	
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	94	195955	25.0	24.1	
79 Tetrachloroethene	166	6.328	6.328	0.000	97	294325	25.0	25.4	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	98	405449	25.0	25.0	
81 2-Hexanone	43	6.452	6.452	0.000	98	1445337	125.0	132.0	
82 Chlorodibromomethane	129	6.587	6.587	0.000	90	262401	25.0	25.1	
83 Ethylene Dibromide	107	6.670	6.670	0.000	99	246904	25.0	24.4	
86 Chlorobenzene	112	7.022	7.022	0.000	94	715478	25.0	25.4	
88 Ethylbenzene	91	7.084	7.084	0.000	98	1178080	25.0	26.3	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	91	245441	25.0	26.3	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	467431	25.0	26.5	
91 o-Xylene	106	7.488	7.488	0.000	99	447863	25.0	25.4	
92 Styrene	104	7.520	7.520	0.000	96	761596	25.0	26.2	
93 Bromoform	173	7.706	7.706	0.000	97	171827	25.0	25.0	
95 Isopropylbenzene	105	7.779	7.779	0.000	96	1186876	25.0	27.6	
97 Bromobenzene	156	8.048	8.048	0.000	95	315935	25.0	26.1	
98 1,1,2,2-Tetrachloroethane	83	8.090	8.090	0.000	96	352243	25.0	25.0	
99 N-Propylbenzene	91	8.100	8.100	0.000	99	1410670	25.0	27.1	
101 trans-1,4-Dichloro-2-butene	53	8.121	8.121	0.000	78	130768	25.0	26.9	
100 1,2,3-Trichloropropane	110	8.121	8.121	0.000	91	116345	25.0	25.6	
105 2-Chlorotoluene	126	8.193	8.193	0.000	96	292402	25.0	25.9	
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	95	1026835	25.0	27.4	
102 4-Chlorotoluene	91	8.286	8.286	0.000	98	987910	25.0	26.5	
106 tert-Butylbenzene	134	8.504	8.504	0.000	93	227062	25.0	27.6	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	97	1046197	25.0	27.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.680	8.680	0.000	95	1303471	25.0	26.0	
111 4-Isopropyltoluene	119	8.805	8.805	0.000	98	1200487	25.0	27.8	
110 1,3-Dichlorobenzene	146	8.805	8.805	0.000	98	627374	25.0	25.8	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	95	637293	25.0	25.0	
115 n-Butylbenzene	91	9.136	9.136	0.000	98	1040337	25.0	26.5	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	97	614389	25.0	25.1	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	84	62322	25.0	25.7	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	95	465225	25.0	26.0	
120 Hexachlorobutadiene	225	10.608	10.608	0.000	98	234755	25.0	25.3	
121 Naphthalene	128	10.722	10.722	0.000	97	1200006	25.0	26.4	
122 1,2,3-Trichlorobenzene	180	10.908	10.908	0.000	96	471011	25.0	26.4	

Reagents:

8260 CORP mix_00189	Amount Added: 12.50	Units: uL	
GAS CORP mix_00406	Amount Added: 12.50	Units: uL	
T_8260_Surr_00209	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added: 1.00	Units: uL	Run Reagent

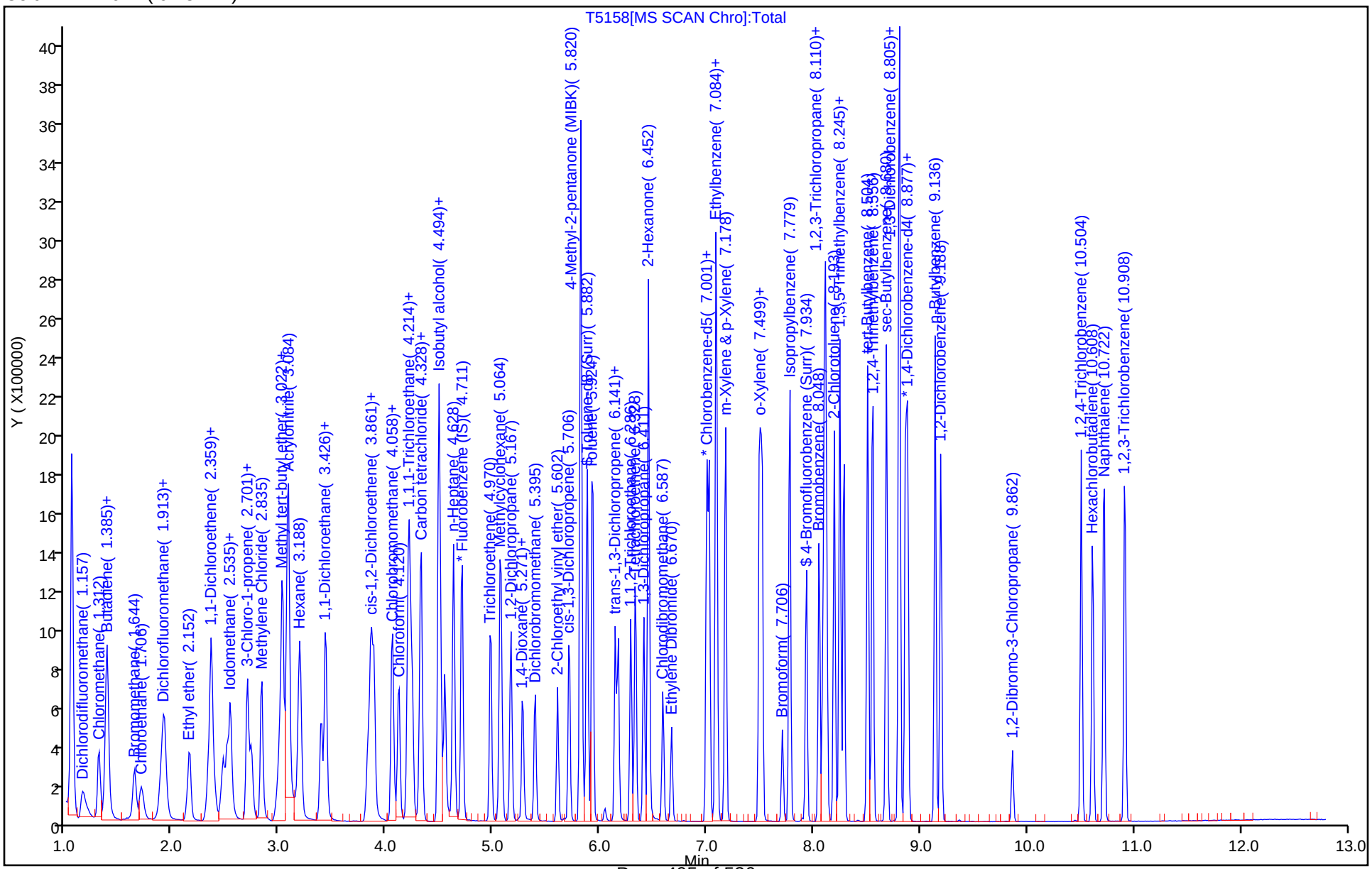
Report Date: 09-Jul-2020 11:01:15 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5158.D

Injection Date:	08-Jul-2020 14:59:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	ICIS 5			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5159.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 08-Jul-2020 15:23:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 6
Misc. Info.: 480-0091875-012
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jul-2020 11:01:22 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1065

First Level Reviewer: farrellr Date: 09-Jul-2020 09:46:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	192107	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.002	7.001	0.001	90	716261	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.857	8.856	0.001	95	429310	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	94	242243	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	310374	25.0	24.0	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	917206	25.0	25.6	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	296490	25.0	25.5	
11 Dichlorodifluoromethane	85	1.167	1.157	0.010	99	592280	50.0	47.9	
13 Chloromethane	50	1.323	1.312	0.011	99	873446	50.0	46.4	
151 Butadiene	54	1.395	1.385	0.010	88	774203	50.0	48.9	
14 Vinyl chloride	62	1.406	1.395	0.011	98	737249	50.0	47.7	
15 Bromomethane	94	1.654	1.644	0.010	92	402762	50.0	45.1	
16 Chloroethane	64	1.716	1.706	0.010	98	418796	50.0	47.1	
18 Dichlorofluoromethane	67	1.924	1.913	0.011	97	909254	50.0	47.3	
17 Trichlorofluoromethane	101	1.934	1.924	0.010	98	844121	50.0	48.1	
19 Ethyl ether	59	2.162	2.152	0.010	99	564274	50.0	49.5	
21 Acrolein	56	2.338	2.328	0.010	100	316123	250.0	244.8	
22 1,1-Dichloroethene	96	2.369	2.359	0.010	92	449718	50.0	50.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.369	2.369	0.000	57	485616	50.0	50.8	
23 Acetone	43	2.483	2.473	0.010	99	1255994	250.0	235.4	
24 Iodomethane	142	2.514	2.514	0.000	98	852647	50.0	49.7	
25 Carbon disulfide	76	2.545	2.535	0.010	100	1523557	50.0	51.8	
27 3-Chloro-1-propene	41	2.701	2.701	0.000	88	992787	50.0	49.8	
28 Methyl acetate	43	2.742	2.732	0.010	100	1235805	100.0	94.9	
30 Methylene Chloride	84	2.836	2.835	0.001	96	539490	50.0	48.5	
31 2-Methyl-2-propanol	59	2.991	2.981	0.010	98	824576	500.0	547.5	
33 Methyl tert-butyl ether	73	3.022	3.012	0.010	98	1506112	50.0	51.1	
32 trans-1,2-Dichloroethene	96	3.033	3.032	0.000	93	516798	50.0	52.2	
34 Acrylonitrile	53	3.084	3.084	0.000	98	3192921	500.0	480.6	
35 Hexane	57	3.198	3.188	0.010	93	1024876	50.0	50.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.395	3.385	0.010	96	1040466	50.0	50.3	
39 Vinyl acetate	43	3.437	3.426	0.011	97	3131134	100.0	112.6	
42 2,2-Dichloropropane	77	3.841	3.830	0.011	90	636031	50.0	52.2	
43 cis-1,2-Dichloroethene	96	3.862	3.861	0.001	84	558334	50.0	51.3	
44 2-Butanone (MEK)	43	3.893	3.882	0.011	98	2038298	250.0	258.3	
47 Chlorobromomethane	128	4.058	4.048	0.010	93	307256	50.0	49.2	
48 Tetrahydrofuran	42	4.069	4.058	0.011	92	537801	100.0	95.2	
50 Chloroform	83	4.121	4.120	0.001	96	908738	50.0	47.1	
52 Cyclohexane	56	4.214	4.214	0.000	93	1216159	50.0	51.4	
51 1,1,1-Trichloroethane	97	4.214	4.214	0.000	97	800895	50.0	51.4	
53 Carbon tetrachloride	117	4.318	4.317	0.001	97	691221	50.0	51.5	
54 1,1-Dichloropropene	75	4.328	4.328	0.000	91	681591	50.0	49.9	
55 Benzene	78	4.494	4.494	0.000	96	1927509	50.0	50.2	
56 Isobutyl alcohol	43	4.514	4.504	0.010	94	918497	1250.0	1429.8	
57 1,2-Dichloroethane	62	4.556	4.545	0.011	97	880739	50.0	46.7	
59 n-Heptane	43	4.628	4.628	0.000	96	1109177	50.0	51.9	
60 Trichloroethene	95	4.981	4.970	0.011	95	527045	50.0	51.4	
62 Methylcyclohexane	83	5.074	5.064	0.010	98	909396	50.0	52.5	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	93	594945	50.0	50.6	
66 1,4-Dioxane	88	5.281	5.271	0.010	40	116978	1000.0	1009.4	
65 Dibromomethane	93	5.281	5.271	0.010	92	330673	50.0	47.8	
67 Dichlorobromomethane	83	5.395	5.395	0.000	97	682424	50.0	51.9	
69 2-Chloroethyl vinyl ether	63	5.603	5.602	0.001	92	448708	50.0	54.2	
71 cis-1,3-Dichloropropene	75	5.717	5.706	0.011	91	807581	50.0	54.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	4286580	250.0	267.5	
73 Toluene	92	5.934	5.934	0.000	98	1274027	50.0	51.0	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	97	770585	50.0	54.8	
77 Ethyl methacrylate	69	6.173	6.172	0.000	96	724142	50.0	55.0	
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	92	418410	50.0	50.8	
79 Tetrachloroethene	166	6.328	6.328	0.000	97	580983	50.0	49.5	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	98	828555	50.0	50.5	
81 2-Hexanone	43	6.452	6.452	0.000	97	3091532	250.0	278.8	
82 Chlorodibromomethane	129	6.587	6.587	0.000	90	553760	50.0	52.4	
83 Ethylene Dibromide	107	6.670	6.670	0.000	98	527513	50.0	51.5	
86 Chlorobenzene	112	7.022	7.022	0.000	94	1436599	50.0	50.3	
88 Ethylbenzene	91	7.084	7.084	0.000	98	2391622	50.0	52.8	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	93	520281	50.0	55.0	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	959528	50.0	53.7	
91 o-Xylene	106	7.489	7.488	0.001	98	927931	50.0	51.9	
92 Styrene	104	7.520	7.520	0.000	95	1585698	50.0	53.9	
93 Bromoform	173	7.706	7.706	0.000	96	387409	50.0	55.6	
95 Isopropylbenzene	105	7.779	7.779	0.000	96	2425504	50.0	54.7	
97 Bromobenzene	156	8.048	8.048	0.000	95	647051	50.0	51.9	
98 1,1,2,2-Tetrachloroethane	83	8.090	8.090	0.000	96	725192	50.0	49.9	
99 N-Propylbenzene	91	8.110	8.100	0.010	99	2907034	50.0	54.1	
101 trans-1,4-Dichloro-2-butene	53	8.121	8.121	0.000	83	274807	50.0	54.9	
100 1,2,3-Trichloropropane	110	8.121	8.121	0.000	90	244861	50.0	52.2	
105 2-Chlorotoluene	126	8.193	8.193	0.000	96	585216	50.0	50.4	
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	96	2099640	50.0	54.5	
102 4-Chlorotoluene	91	8.287	8.286	0.001	98	1997273	50.0	51.9	
106 tert-Butylbenzene	134	8.504	8.504	0.000	93	465161	50.0	54.8	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	98	2125988	50.0	54.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.680	8.680	0.000	95	2661180	50.0	51.5	
111 4-Isopropyltoluene	119	8.805	8.805	0.000	98	2443000	50.0	54.8	
110 1,3-Dichlorobenzene	146	8.805	8.805	0.000	98	1288226	50.0	51.4	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	94	1304591	50.0	49.8	
115 n-Butylbenzene	91	9.136	9.136	0.000	98	2106102	50.0	52.2	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	98	1279029	50.0	50.7	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	83	136547	50.0	54.7	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	95	957815	50.0	52.0	
120 Hexachlorobutadiene	225	10.608	10.608	0.000	98	481555	50.0	50.3	
121 Naphthalene	128	10.722	10.722	0.000	97	2555311	50.0	54.6	
122 1,2,3-Trichlorobenzene	180	10.908	10.908	0.000	95	938833	50.0	51.1	
S 126 Xylenes, Total	1				0			105.6	
S 125 Total BTEX	1				0			259.6	
S 123 1,3-Dichloropropene, Total	1				0			109.1	
S 124 1,2-Dichloroethene, Total	1				0			103.5	

Reagents:

8260 CORP mix_00189	Amount Added: 25.00	Units: uL	
GAS CORP mix_00406	Amount Added: 25.00	Units: uL	
T_8260_Surr_00209	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added: 1.00	Units: uL	Run Reagent

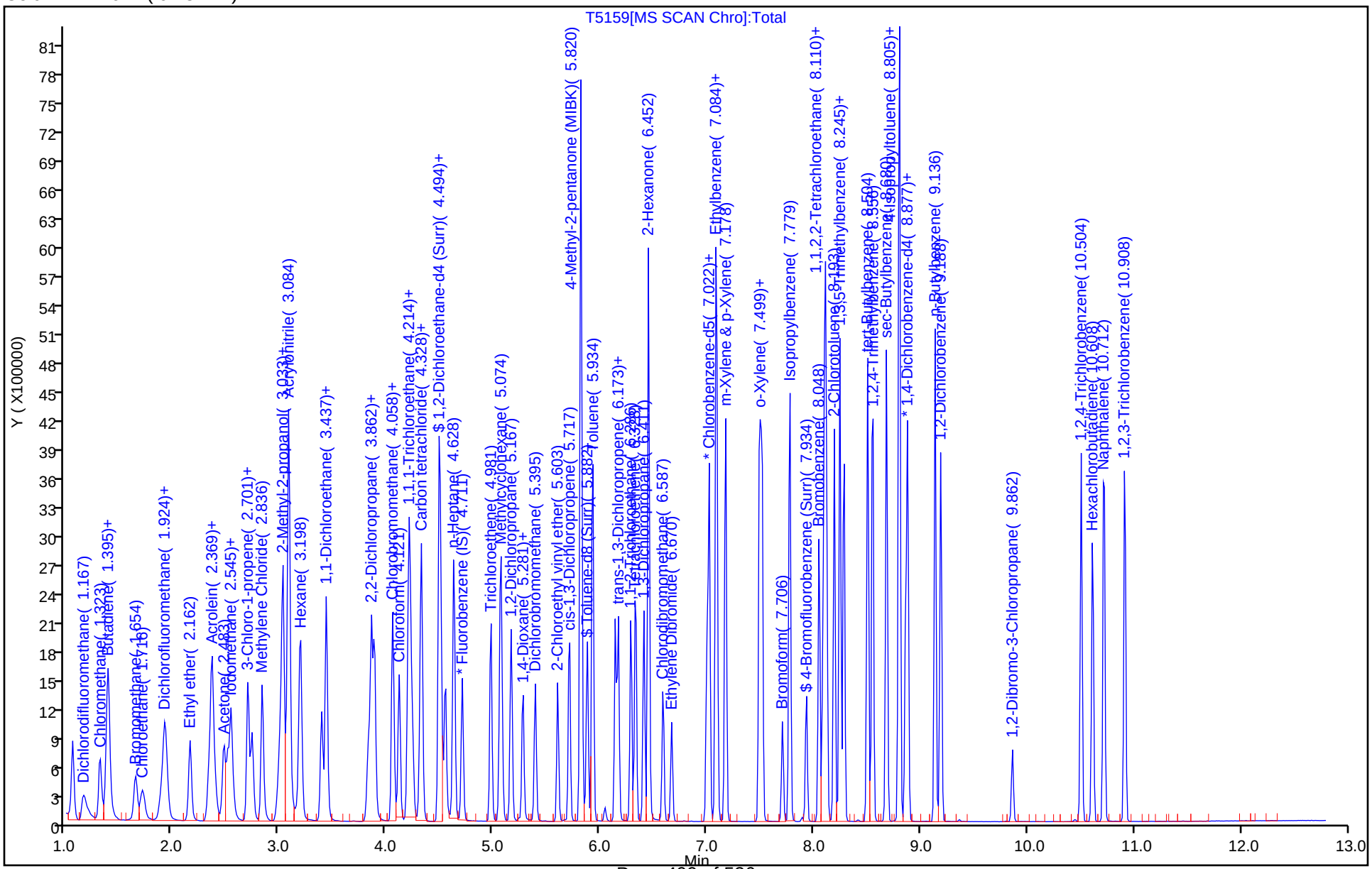
Report Date: 09-Jul-2020 11:01:25 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5159.D

Injection Date:	08-Jul-2020 15:23:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC 6			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5160.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 08-Jul-2020 15:46:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 7
Misc. Info.: 480-0091875-013
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jul-2020 11:01:32 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1065

First Level Reviewer: farrellr Date: 09-Jul-2020 09:49:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	192391	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.001	0.000	88	716089	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.856	0.000	94	424411	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	92	248992	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	325437	25.0	25.1	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	893675	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	298383	25.0	25.7	
11 Dichlorodifluoromethane	85	1.167	1.157	0.010	99	1294303	100.0	104.6	
13 Chloromethane	50	1.312	1.312	0.000	99	1870335	100.0	99.2	
151 Butadiene	54	1.385	1.385	0.000	89	1705389	100.0	107.5	
14 Vinyl chloride	62	1.395	1.395	0.000	98	1633603	100.0	105.4	
15 Bromomethane	94	1.654	1.644	0.010	92	886303	100.0	99.1	
16 Chloroethane	64	1.716	1.706	0.010	98	892834	100.0	100.3	
18 Dichlorofluoromethane	67	1.923	1.913	0.010	98	1938093	100.0	100.7	
17 Trichlorofluoromethane	101	1.934	1.924	0.010	98	1831943	100.0	104.3	
19 Ethyl ether	59	2.162	2.152	0.010	99	1186901	100.0	104.0	
21 Acrolein	56	2.338	2.328	0.010	100	697099	500.0	539.1	
22 1,1-Dichloroethene	96	2.369	2.359	0.010	93	963958	100.0	106.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.369	2.369	0.000	55	1066568	100.0	111.4	
23 Acetone	43	2.483	2.473	0.010	99	2563764	500.0	479.8	
24 Iodomethane	142	2.514	2.514	0.000	99	1824896	100.0	106.3	
25 Carbon disulfide	76	2.545	2.535	0.010	100	3371691	100.0	114.6	
27 3-Chloro-1-propene	41	2.701	2.701	0.000	89	2185280	100.0	109.4	
28 Methyl acetate	43	2.742	2.732	0.010	100	2612664	200.0	200.4	
30 Methylene Chloride	84	2.835	2.835	0.000	96	1128966	100.0	102.0	
31 2-Methyl-2-propanol	59	2.991	2.981	0.010	99	1835370	1000.0	1217.0	
33 Methyl tert-butyl ether	73	3.022	3.012	0.010	98	3156520	100.0	106.9	
32 trans-1,2-Dichloroethene	96	3.032	3.032	0.000	92	1085131	100.0	109.4	
34 Acrylonitrile	53	3.084	3.084	0.000	98	6646931	1000.0	998.9	
35 Hexane	57	3.198	3.188	0.010	93	2187299	100.0	108.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.395	3.385	0.010	97	2184021	100.0	105.5	
39 Vinyl acetate	43	3.436	3.426	0.010	97	6615296	200.0	237.5	
42 2,2-Dichloropropane	77	3.841	3.830	0.011	91	1396384	100.0	114.3	
43 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	85	1182612	100.0	108.6	
44 2-Butanone (MEK)	43	3.882	3.882	0.000	98	4180149	500.0	528.9	
47 Chlorobromomethane	128	4.058	4.048	0.010	94	631779	100.0	101.0	
48 Tetrahydrofuran	42	4.058	4.058	0.000	93	1111506	200.0	196.4	
50 Chloroform	83	4.120	4.120	0.000	96	1913990	100.0	99.1	
52 Cyclohexane	56	4.214	4.214	0.000	94	2668878	100.0	112.5	
51 1,1,1-Trichloroethane	97	4.214	4.214	0.000	97	1724800	100.0	110.5	
53 Carbon tetrachloride	117	4.317	4.317	0.000	97	1521489	100.0	113.3	
54 1,1-Dichloropropene	75	4.328	4.328	0.000	93	1477849	100.0	108.0	
55 Benzene	78	4.494	4.494	0.000	97	4091713	100.0	106.3	
56 Isobutyl alcohol	43	4.514	4.504	0.010	95	2006347	2500.0	3118.6	
57 1,2-Dichloroethane	62	4.545	4.545	0.000	97	1799708	100.0	95.3	
59 n-Heptane	43	4.628	4.628	0.000	97	2397378	100.0	112.0	
60 Trichloroethene	95	4.981	4.970	0.011	95	1122566	100.0	109.3	
62 Methylcyclohexane	83	5.074	5.064	0.010	98	1997380	100.0	115.2	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	94	1272449	100.0	108.1	
65 Dibromomethane	93	5.281	5.271	0.010	93	703129	100.0	101.4	
66 1,4-Dioxane	88	5.281	5.271	0.010	39	233618	2000.0	2008.4	
67 Dichlorobromomethane	83	5.395	5.395	0.000	97	1441327	100.0	109.5	
69 2-Chloroethyl vinyl ether	63	5.602	5.602	0.000	92	953483	100.0	114.9	
71 cis-1,3-Dichloropropene	75	5.716	5.706	0.010	91	1757743	100.0	118.0	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	97	8634708	500.0	539.1	
73 Toluene	92	5.934	5.934	0.000	97	2621104	100.0	105.0	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	98	1648229	100.0	117.2	
77 Ethyl methacrylate	69	6.172	6.172	0.000	96	1543802	100.0	117.2	
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	94	864126	100.0	105.0	
79 Tetrachloroethene	166	6.338	6.328	0.010	97	1247341	100.0	106.4	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	98	1729310	100.0	105.5	
81 2-Hexanone	43	6.452	6.452	0.000	97	6186971	500.0	558.1	
82 Chlorodibromomethane	129	6.587	6.587	0.000	91	1201895	100.0	113.7	
83 Ethylene Dibromide	107	6.670	6.670	0.000	97	1120587	100.0	109.4	
86 Chlorobenzene	112	7.022	7.022	0.000	93	3047433	100.0	106.8	
88 Ethylbenzene	91	7.084	7.084	0.000	98	5047309	100.0	111.5	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	95	1117997	100.0	118.2	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	2027749	100.0	113.6	
91 o-Xylene	106	7.499	7.488	0.011	97	1956824	100.0	109.5	
92 Styrene	104	7.520	7.520	0.000	96	3333312	100.0	113.4	
93 Bromoform	173	7.706	7.706	0.000	97	840292	100.0	120.5	
95 Isopropylbenzene	105	7.779	7.779	0.000	96	5173706	100.0	118.1	
97 Bromobenzene	156	8.048	8.048	0.000	96	1337256	100.0	108.6	
98 1,1,2,2-Tetrachloroethane	83	8.089	8.090	-0.001	96	1491944	100.0	103.8	
99 N-Propylbenzene	91	8.110	8.100	0.010	99	6094167	100.0	114.7	
101 trans-1,4-Dichloro-2-butene	53	8.121	8.121	0.000	79	588003	100.0	118.9	
100 1,2,3-Trichloropropane	110	8.121	8.121	0.000	90	487106	100.0	105.1	
105 2-Chlorotoluene	126	8.193	8.193	0.000	96	1236383	100.0	107.7	
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	95	4407956	100.0	115.7	
102 4-Chlorotoluene	91	8.286	8.286	0.000	98	4176469	100.0	109.8	
106 tert-Butylbenzene	134	8.504	8.504	0.000	94	1003956	100.0	119.7	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	97	4537901	100.0	117.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.680	8.680	0.000	95	5662638	100.0	110.9	
111 4-Isopropyltoluene	119	8.805	8.805	0.000	98	5135725	100.0	116.6	
110 1,3-Dichlorobenzene	146	8.805	8.805	0.000	98	2620739	100.0	105.8	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	97	2688584	100.0	103.7	
115 n-Butylbenzene	91	9.136	9.136	0.000	98	4492634	100.0	112.5	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	98	2641044	100.0	105.9	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	85	295249	100.0	119.5	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	95	2021949	100.0	111.0	
120 Hexachlorobutadiene	225	10.608	10.608	0.000	98	1044744	100.0	110.4	
121 Naphthalene	128	10.722	10.722	0.000	97	5418703	100.0	117.1	
122 1,2,3-Trichlorobenzene	180	10.919	10.908	0.011	96	2005425	100.0	110.3	
S 126 Xylenes, Total	1				0			223.1	
S 125 Total BTEX	1				0			545.8	
S 123 1,3-Dichloropropene, Total	1				0			235.2	
S 124 1,2-Dichloroethene, Total	1				0			218.0	

Reagents:

8260 CORP mix_00189	Amount Added: 50.00	Units: uL	
GAS CORP mix_00406	Amount Added: 50.00	Units: uL	
T_8260_Surr_00209	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added: 1.00	Units: uL	Run Reagent

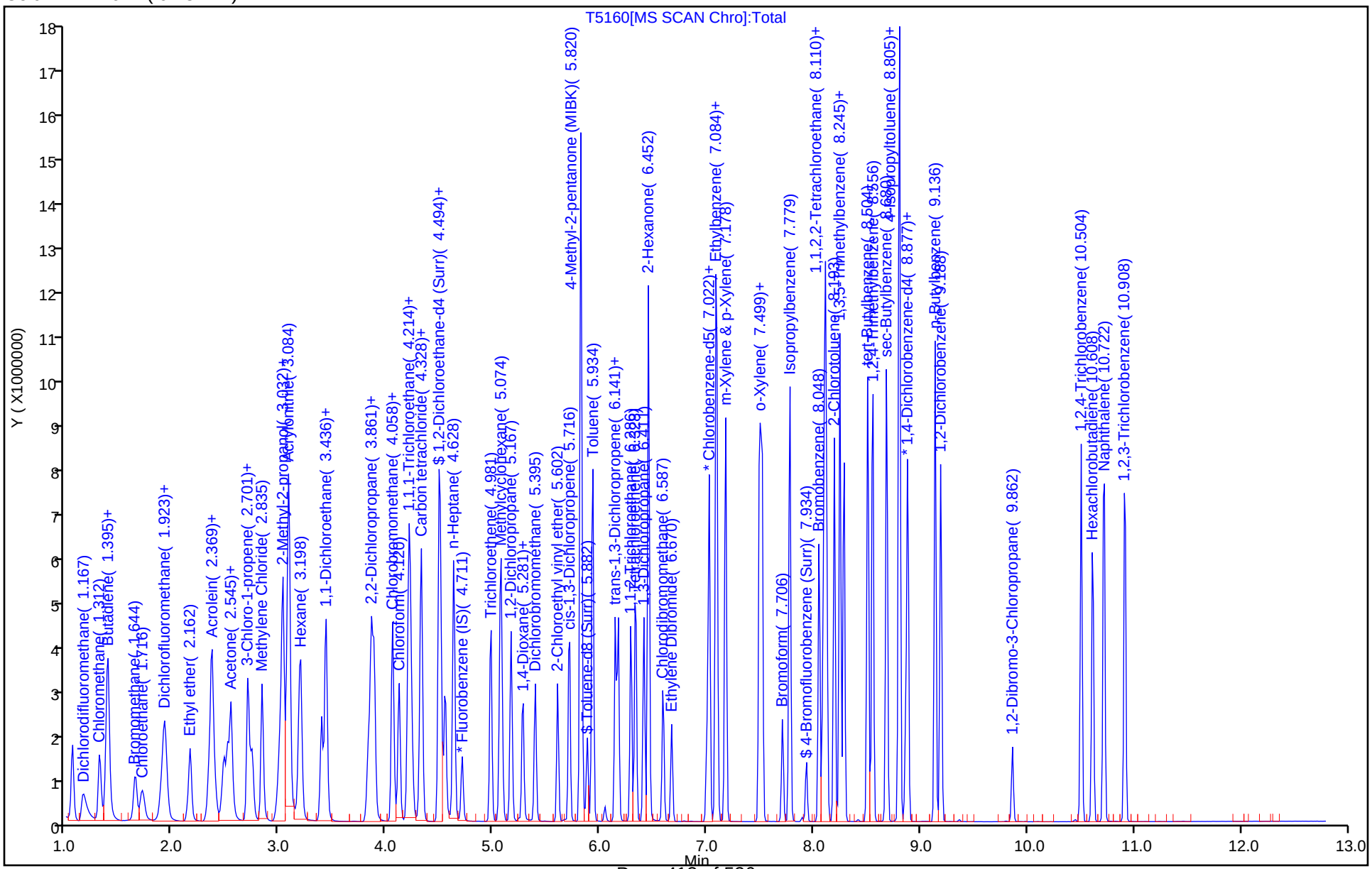
Report Date: 09-Jul-2020 11:01:34 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5160.D

Injection Date:	08-Jul-2020 15:46:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	IC 7			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200816-92788.b\S0655.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Aug-2020 21:31:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0092788-008
Operator ID: CDC Instrument ID: HP5973S
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200816-92788.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 20:11:14 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1069

First Level Reviewer: cwiklinc Date: 16-Aug-2020 22:17:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	183285	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	87	373405	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.735	10.736	-0.001	55	368789	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	57	214516	25.0	24.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	54	148894	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.860	6.860	0.000	90	896173	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	281499	25.0	25.3	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	97	301541	25.0	23.8	
12 Chloromethane	50	1.415	1.416	-0.001	89	328880	25.0	23.0	
151 Butadiene	54	1.495	1.495	0.000	90	327981	25.0	24.1	
13 Vinyl chloride	62	1.507	1.507	0.000	74	334644	25.0	26.3	
14 Bromomethane	94	1.774	1.787	-0.013	92	188418	25.0	22.2	
15 Chloroethane	64	1.853	1.854	-0.001	95	195575	25.0	23.2	
16 Dichlorofluoromethane	67	2.085	2.085	0.000	82	456116	25.0	25.3	
17 Trichlorofluoromethane	101	2.097	2.091	0.006	67	432411	25.0	26.4	
18 Ethyl ether	59	2.364	2.365	-0.001	91	285149	25.0	27.3	
20 Acrolein	56	2.553	2.547	0.006	97	146748	125.0	74.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.571	2.571	0.000	67	271217	25.0	31.3	
22 1,1-Dichloroethene	96	2.583	2.578	0.005	88	255017	25.0	29.6	
23 Acetone	43	2.705	2.705	0.000	99	611560	125.0	115.6	
25 Iodomethane	142	2.754	2.736	0.018	98	414322	25.0	26.3	
26 Carbon disulfide	76	2.778	2.766	0.012	98	842899	25.0	28.1	
28 3-Chloro-1-propene	41	2.948	2.955	-0.007	85	467821	25.0	26.1	
27 Methyl acetate	43	3.003	2.997	0.006	96	574633	50.0	49.1	
30 Methylene Chloride	84	3.101	3.095	0.006	91	285924	25.0	27.6	
31 2-Methyl-2-propanol	59	3.283	3.271	0.012	90	353064	250.0	202.8	
32 Methyl tert-butyl ether	73	3.314	3.308	0.006	91	875003	25.0	25.5	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	92	279499	25.0	27.2	
33 Acrylonitrile	53	3.387	3.387	-0.001	100	1459243	250.0	247.1	
35 Hexane	57	3.514	3.514	0.000	94	520737	25.0	32.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.745	3.746	-0.001	85	484779	25.0	25.5	
37 Vinyl acetate	43	3.800	3.800	0.000	97	1192579	50.0	49.5	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	92	297424	25.0	28.1	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	67	309907	25.0	26.7	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	94	962184	125.0	123.0	
48 Chlorobromomethane	128	4.536	4.536	0.000	95	150141	25.0	25.0	
49 Tetrahydrofuran	42	4.555	4.549	0.006	86	258678	50.0	46.5	
50 Chloroform	83	4.615	4.616	-0.001	80	482173	25.0	25.3	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	81	414195	25.0	27.5	
52 Cyclohexane	56	4.725	4.725	0.000	92	553711	25.0	29.9	
55 Carbon tetrachloride	117	4.859	4.859	0.000	79	335946	25.0	27.5	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	91	398656	25.0	27.9	
57 Benzene	78	5.078	5.078	0.000	97	1153051	25.0	26.1	
53 Isobutyl alcohol	43	5.114	5.108	0.006	93	344546	625.0	569.1	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	73	416686	25.0	25.0	
59 n-Heptane	43	5.254	5.254	0.000	94	541228	25.0	30.9	
62 Trichloroethene	95	5.692	5.686	0.006	93	291001	25.0	26.4	
64 Methylcyclohexane	83	5.802	5.802	0.000	92	554274	25.0	30.5	
65 1,2-Dichloropropane	63	5.936	5.930	0.006	90	287107	25.0	26.4	
67 Dibromomethane	93	6.069	6.070	-0.001	92	182087	25.0	26.2	
66 1,4-Dioxane	88	6.075	6.076	-0.001	51	87758	500.0	514.1	
68 Dichlorobromomethane	83	6.228	6.222	0.006	92	356159	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	6.507	6.508	-0.001	92	219011	25.0	26.9	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	85	463195	25.0	26.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	97	2030773	125.0	131.7	
74 Toluene	92	6.921	6.921	0.000	94	729428	25.0	26.5	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	94	411612	25.0	25.2	
75 Ethyl methacrylate	69	7.256	7.256	0.000	84	388681	25.0	26.5	
79 1,1,2-Trichloroethane	83	7.402	7.402	0.000	88	223876	25.0	25.5	
81 Tetrachloroethene	166	7.450	7.450	0.000	80	317080	25.0	28.5	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	94	460714	25.0	25.9	
80 2-Hexanone	43	7.627	7.627	0.000	97	1482356	125.0	139.3	
83 Chlorodibromomethane	129	7.797	7.797	0.000	85	254760	25.0	26.1	
84 Ethylene Dibromide	107	7.894	7.895	-0.001	97	278136	25.0	26.0	
87 Chlorobenzene	112	8.369	8.369	0.000	92	817062	25.0	27.1	
88 Ethylbenzene	91	8.460	8.460	0.000	98	1443772	25.0	28.0	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	44	249541	25.0	26.1	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	99	555443	25.0	28.3	
91 o-Xylene	106	9.008	9.008	0.000	98	543820	25.0	27.4	
92 Styrene	104	9.038	9.038	0.000	93	918564	25.0	27.9	
95 Bromoform	173	9.288	9.294	-0.006	95	157303	25.0	25.2	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1484702	25.0	27.9	
101 Bromobenzene	156	9.744	9.744	0.000	94	349694	25.0	26.9	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	82	392287	25.0	25.8	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	1753455	25.0	27.5	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	63	127598	25.0	24.4	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.853	0.000	87	143540	25.0	27.4	
103 2-Chlorotoluene	126	9.926	9.926	0.000	95	336993	25.0	26.3	
102 1,3,5-Trimethylbenzene	105	10.005	10.000	0.005	84	1244139	25.0	27.1	
105 4-Chlorotoluene	126	10.042	10.042	0.000	96	348455	25.0	26.6	
106 tert-Butylbenzene	134	10.322	10.322	0.000	91	267664	25.0	27.3	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	48	1270437	25.0	27.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	1629812	25.0	28.2	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	73	678285	25.0	26.2	
110 4-Isopropyltoluene	119	10.675	10.675	0.000	97	1423814	25.0	28.4	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	701160	25.0	26.3	
115 n-Butylbenzene	91	11.058	11.058	0.000	96	1297992	25.0	28.7	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	92	656202	25.0	25.6	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.843	0.000	76	72764	25.0	24.3	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	90	504391	25.0	27.0	
120 Hexachlorobutadiene	225	12.621	12.622	-0.001	94	215199	25.0	28.5	
121 Naphthalene	128	12.725	12.725	0.000	97	1465495	25.0	26.3	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	94	465054	25.0	25.6	

Reagents:

SS 8260 CORP_00086	Amount Added: 12.50	Units: uL	
SS GAS CORP_00363	Amount Added: 12.50	Units: uL	
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added: 1.00	Units: uL	Run Reagent

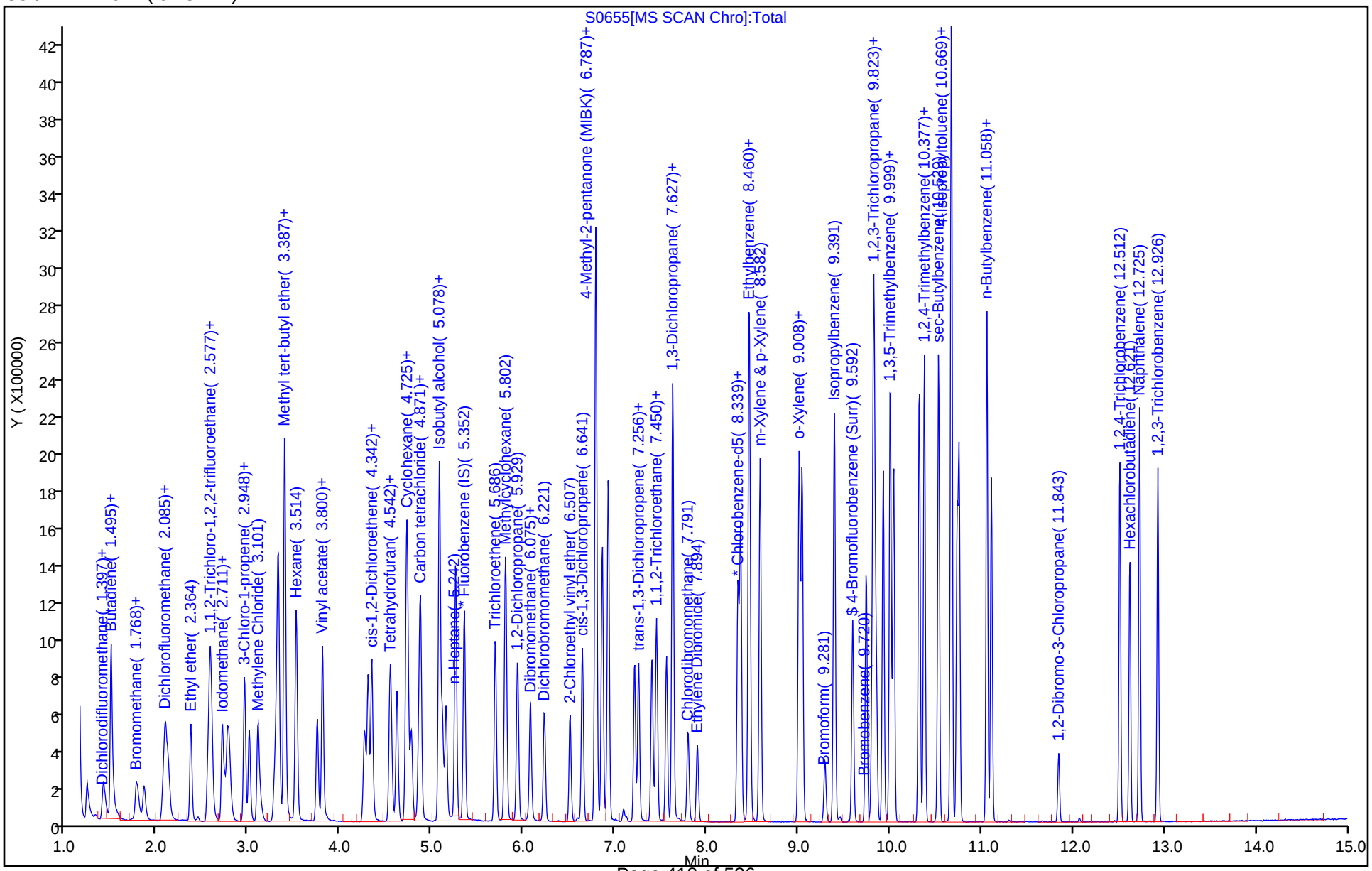
Report Date: 16-Aug-2020 22:17:12 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200816-92788.b\S0655.D

Injection Date:	16-Aug-2020 21:31:30	Instrument ID:	HP5973S	Operator ID:	CDC
Lims ID:	ICV			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Item	Page

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0730.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-Aug-2020 08:26:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0092846-003
Operator ID: AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Aug-2020 08:45:32 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1040

First Level Reviewer: moffata Date: 19-Aug-2020 08:45:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	167762	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	85	361665	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	63	345816	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.768	4.768	0.000	56	203862	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	48	138498	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	85	832604	25.0	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	261096	25.0	24.2	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	97	329892	25.0	28.4	
12 Chloromethane	50	1.410	1.410	0.000	89	347826	25.0	26.6	
151 Butadiene	54	1.495	1.495	0.000	91	355007	25.0	28.5	
13 Vinyl chloride	62	1.507	1.507	0.000	73	337786	25.0	29.0	
14 Bromomethane	94	1.781	1.781	0.000	91	192743	25.0	24.8	
15 Chloroethane	64	1.860	1.860	0.000	94	198818	25.0	25.8	
16 Dichlorofluoromethane	67	2.085	2.085	0.000	81	446624	25.0	27.1	
17 Trichlorofluoromethane	101	2.097	2.097	0.000	68	424715	25.0	28.3	
18 Ethyl ether	59	2.365	2.365	0.000	93	260189	25.0	27.2	
20 Acrolein	56	2.547	2.547	0.000	96	224471	125.0	123.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.572	2.572	0.000	65	244508	25.0	30.9	
22 1,1-Dichloroethene	96	2.578	2.578	0.000	96	221866	25.0	28.1	
23 Acetone	43	2.705	2.705	0.000	98	586043	125.0	121.1	
25 Iodomethane	142	2.754	2.754	0.000	97	378074	25.0	26.2	
26 Carbon disulfide	76	2.778	2.778	0.000	98	777329	25.0	28.3	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	87	445330	25.0	27.1	
27 Methyl acetate	43	3.003	3.003	0.000	95	512125	50.0	47.8	
30 Methylene Chloride	84	3.095	3.095	0.000	92	265490	25.0	28.0	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	92	309749	250.0	194.4	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	93	798157	25.0	25.4	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	92	255419	25.0	27.2	
33 Acrylonitrile	53	3.387	3.387	0.000	98	1325011	250.0	245.1	
35 Hexane	57	3.514	3.514	0.000	94	440055	25.0	29.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	85	462467	25.0	26.5	
37 Vinyl acetate	43	3.800	3.800	0.000	97	1022973	50.0	46.4	
44 2,2-Dichloropropane	77	4.257	4.257	0.000	93	242995	25.0	25.0	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	67	275984	25.0	26.0	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	98	860982	125.0	120.2	
48 Chlorobromomethane	128	4.537	4.537	0.000	93	144674	25.0	26.4	
49 Tetrahydrofuran	42	4.549	4.549	0.000	90	231412	50.0	45.4	
50 Chloroform	83	4.616	4.616	0.000	80	454551	25.0	26.0	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	83	378155	25.0	27.5	
52 Cyclohexane	56	4.725	4.725	0.000	93	488992	25.0	28.8	
55 Carbon tetrachloride	117	4.859	4.859	0.000	82	296134	25.0	26.4	
54 1,1-Dichloropropene	75	4.877	4.877	0.000	92	357709	25.0	27.3	
57 Benzene	78	5.078	5.078	0.000	97	1064631	25.0	26.4	
53 Isobutyl alcohol	43	5.108	5.108	0.000	92	270803	625.0	488.7	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	73	387065	25.0	25.4	
59 n-Heptane	43	5.254	5.254	0.000	93	466971	25.0	29.1	
62 Trichloroethene	95	5.692	5.692	0.000	94	267668	25.0	26.6	
64 Methylcyclohexane	83	5.802	5.802	0.000	93	479967	25.0	28.9	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	88	261023	25.0	26.2	
67 Dibromomethane	93	6.070	6.070	0.000	95	165720	25.0	26.0	
66 1,4-Dioxane	88	6.076	6.076	0.000	51	80157	500.0	484.8	
68 Dichlorobromomethane	83	6.222	6.222	0.000	92	325839	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	6.502	6.502	0.000	92	190768	25.0	25.6	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	88	424984	25.0	26.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	1776696	125.0	118.9	
74 Toluene	92	6.921	6.921	0.000	89	692322	25.0	26.0	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	93	399479	25.0	25.3	
75 Ethyl methacrylate	69	7.256	7.256	0.000	73	340811	25.0	24.0	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	91	200330	25.0	23.5	
81 Tetrachloroethene	166	7.451	7.451	0.000	77	282421	25.0	26.2	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	94	433150	25.0	25.1	
80 2-Hexanone	43	7.627	7.627	0.000	97	1266110	125.0	122.9	
83 Chlorodibromomethane	129	7.791	7.791	0.000	86	235676	25.0	24.9	
84 Ethylene Dibromide	107	7.895	7.895	0.000	98	256698	25.0	24.8	
87 Chlorobenzene	112	8.369	8.369	0.000	93	756868	25.0	25.9	
88 Ethylbenzene	91	8.460	8.460	0.000	98	1285116	25.0	25.7	
89 1,1,1,2-Tetrachloroethane	131	8.467	8.467	0.000	40	233483	25.0	25.2	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	99	505430	25.0	26.6	
91 o-Xylene	106	9.008	9.008	0.000	97	497203	25.0	25.8	
92 Styrene	104	9.038	9.038	0.000	93	851395	25.0	26.7	
95 Bromoform	173	9.288	9.288	0.000	93	140764	25.0	23.3	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1325576	25.0	26.5	
101 Bromobenzene	156	9.738	9.738	0.000	96	316062	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	82	356865	25.0	25.1	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	1599106	25.0	26.7	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	60	115132	25.0	23.5	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	84	117377	25.0	23.9	
103 2-Chlorotoluene	126	9.927	9.927	0.000	96	308215	25.0	25.7	
102 1,3,5-Trimethylbenzene	105	10.000	10.000	0.000	84	1137071	25.0	26.5	
105 4-Chlorotoluene	126	10.042	10.042	0.000	96	325356	25.0	26.5	
106 tert-Butylbenzene	134	10.322	10.322	0.000	91	247888	25.0	27.0	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	46	1153477	25.0	26.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	1467240	25.0	27.1	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	71	635493	25.0	26.1	
110 4-Isopropyltoluene	119	10.675	10.675	0.000	97	1286156	25.0	27.3	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	644899	25.0	25.8	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	1177714	25.0	27.8	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	91	634135	25.0	26.3	
117 1,2-Dibromo-3-Chloropropane	75	11.837	11.837	0.000	70	62742	25.0	22.3	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	93	448097	25.0	25.6	
120 Hexachlorobutadiene	225	12.622	12.622	0.000	94	198937	25.0	28.1	
121 Naphthalene	128	12.725	12.725	0.000	97	1295852	25.0	24.8	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	94	424383	25.0	24.9	

Reagents:

8260 CORP mix_00191	Amount Added: 12.50	Units: uL	
GAS CORP mix_00413	Amount Added: 12.50	Units: uL	
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added: 1.00	Units: uL	Run Reagent

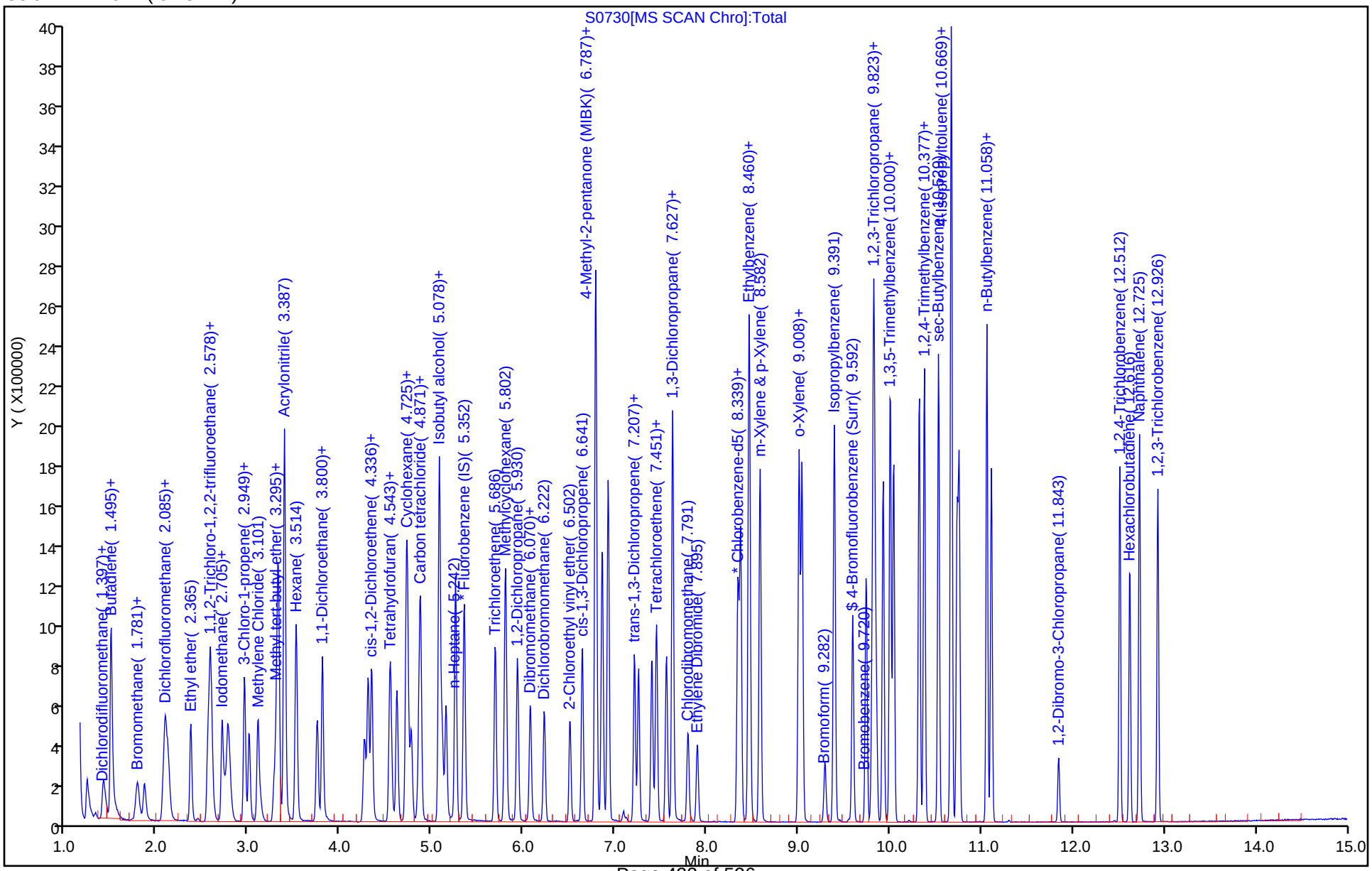
Report Date: 19-Aug-2020 08:45:33 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0730.D

Injection Date:	19-Aug-2020 08:26:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Item	Page

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5174.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 08-Jul-2020 21:22:30 ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: icv
Misc. Info.: 480-0091875-027
Operator ID: RF Instrument ID: HP5975T
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jul-2020 10:49:52 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1065

First Level Reviewer: farrellr Date: 09-Jul-2020 10:41:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.701	4.701	0.000	98	193765	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.001	0.000	90	703371	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.856	0.000	95	424316	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.254	0.000	93	240403	25.0	24.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	318483	25.0	24.4	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	894211	25.0	25.4	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	287717	25.0	25.2	
11 Dichlorodifluoromethane	85	1.157	1.157	0.000	99	349600	25.0	28.1	
13 Chloromethane	50	1.302	1.312	-0.010	99	482181	25.0	25.4	
151 Butadiene	54	1.385	1.385	0.000	89	421974	25.0	26.4	
14 Vinyl chloride	62	1.395	1.395	0.000	97	399462	25.0	25.6	
15 Bromomethane	94	1.644	1.644	0.000	92	213604	25.0	23.7	
16 Chloroethane	64	1.706	1.706	0.000	97	218258	25.0	24.3	
18 Dichlorofluoromethane	67	1.913	1.913	0.000	98	471993	25.0	24.3	
17 Trichlorofluoromethane	101	1.924	1.924	0.000	98	443372	25.0	25.1	
19 Ethyl ether	59	2.152	2.152	0.000	98	302273	25.0	26.3	
21 Acrolein	56	2.328	2.328	0.000	100	185071	125.0	142.1	
22 1,1-Dichloroethene	96	2.359	2.359	0.000	93	239205	25.0	26.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.359	2.380	-0.010	55	251129	25.0	26.0	
23 Acetone	43	2.473	2.473	0.000	99	633576	125.0	117.7	
24 Iodomethane	142	2.504	2.514	-0.010	98	439240	25.0	25.4	
25 Carbon disulfide	76	2.535	2.535	0.000	100	783972	25.0	26.4	
27 3-Chloro-1-propene	41	2.690	2.701	-0.011	88	512852	25.0	25.5	
28 Methyl acetate	43	2.732	2.732	0.000	99	663634	50.0	50.5	
30 Methylene Chloride	84	2.825	2.835	-0.010	95	278854	25.0	24.5	
31 2-Methyl-2-propanol	59	2.981	2.981	0.000	98	422202	250.0	278.0	
33 Methyl tert-butyl ether	73	3.012	3.012	0.000	98	748304	25.0	25.2	
32 trans-1,2-Dichloroethene	96	3.022	3.032	-0.010	92	267418	25.0	26.8	
34 Acrylonitrile	53	3.074	3.084	-0.010	99	1735182	250.0	258.9	
35 Hexane	57	3.188	3.188	0.000	94	529501	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.385	3.385	0.000	97	525345	25.0	25.2	
39 Vinyl acetate	43	3.426	3.426	0.000	97	1400645	50.0	49.9	
42 2,2-Dichloropropane	77	3.830	3.830	0.000	89	312877	25.0	25.4	
43 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	85	295499	25.0	26.9	
44 2-Butanone (MEK)	43	3.882	3.882	0.000	98	1018359	125.0	127.9	
47 Chlorobromomethane	128	4.048	4.048	0.000	93	150821	25.0	23.9	
48 Tetrahydrofuran	42	4.058	4.058	0.000	93	275938	50.0	48.4	
50 Chloroform	83	4.110	4.120	-0.010	96	464746	25.0	23.9	
52 Cyclohexane	56	4.214	4.214	0.000	94	608183	25.0	25.5	
51 1,1,1-Trichloroethane	97	4.203	4.214	-0.011	97	413456	25.0	26.3	
53 Carbon tetrachloride	117	4.317	4.317	0.000	96	347524	25.0	25.7	
54 1,1-Dichloropropene	75	4.328	4.328	0.000	93	350941	25.0	25.5	
55 Benzene	78	4.494	4.494	0.000	94	976393	25.0	25.2	
56 Isobutyl alcohol	43	4.504	4.504	0.000	95	425745	625.0	657.1	
57 1,2-Dichloroethane	62	4.545	4.545	0.000	96	445987	25.0	23.4	
59 n-Heptane	43	4.628	4.628	0.000	96	566847	25.0	26.3	
60 Trichloroethene	95	4.970	4.970	0.000	95	261269	25.0	25.2	
62 Methylcyclohexane	83	5.064	5.064	0.000	98	457659	25.0	26.2	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	93	304562	25.0	25.7	
65 Dibromomethane	93	5.271	5.271	0.000	95	174167	25.0	24.9	
66 1,4-Dioxane	88	5.271	5.281	0.000	38	54168	500.0	480.2	
67 Dichlorobromomethane	83	5.395	5.395	0.000	98	336467	25.0	25.4	
69 2-Chloroethyl vinyl ether	63	5.602	5.602	0.000	92	221536	25.0	26.5	
71 cis-1,3-Dichloropropene	75	5.706	5.706	0.000	91	390142	25.0	26.0	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	2135398	125.0	135.7	
73 Toluene	92	5.924	5.934	-0.010	97	629194	25.0	25.7	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	97	343081	25.0	24.8	
77 Ethyl methacrylate	69	6.172	6.172	0.000	95	350359	25.0	27.1	
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	92	209936	25.0	26.0	
79 Tetrachloroethene	166	6.328	6.328	0.000	97	297598	25.0	25.8	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	98	413292	25.0	25.7	
81 2-Hexanone	43	6.452	6.452	0.000	98	1568940	125.0	144.1	
82 Chlorodibromomethane	129	6.587	6.587	0.000	91	272874	25.0	26.3	
83 Ethylene Dibromide	107	6.670	6.670	0.000	98	263295	25.0	26.2	
86 Chlorobenzene	112	7.022	7.022	0.000	94	719964	25.0	25.7	
88 Ethylbenzene	91	7.084	7.084	0.000	99	1211671	25.0	27.2	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	91	255365	25.0	27.5	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	478134	25.0	27.3	
91 o-Xylene	106	7.488	7.488	0.000	98	465463	25.0	26.5	
92 Styrene	104	7.520	7.520	0.000	96	784994	25.0	27.2	
93 Bromoform	173	7.706	7.706	0.000	96	182868	25.0	26.7	
95 Isopropylbenzene	105	7.779	7.779	0.000	96	1222701	25.0	27.9	
97 Bromobenzene	156	8.048	8.048	0.000	95	328395	25.0	26.7	
98 1,1,2,2-Tetrachloroethane	83	8.090	8.090	0.000	97	363215	25.0	25.3	
99 N-Propylbenzene	91	8.100	8.100	0.000	99	1431815	25.0	27.0	
101 trans-1,4-Dichloro-2-butene	53	8.121	8.121	0.000	83	138571	25.0	28.0	
100 1,2,3-Trichloropropane	110	8.121	8.121	0.000	91	116703	25.0	25.2	
105 2-Chlorotoluene	126	8.193	8.193	0.000	96	293130	25.0	25.5	
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	96	1038022	25.0	27.2	
102 4-Chlorotoluene	91	8.286	8.286	0.000	98	1019967	25.0	26.8	
106 tert-Butylbenzene	134	8.504	8.504	0.000	94	233073	25.0	27.8	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	97	1067198	25.0	27.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.680	8.680	0.000	95	1347973	25.0	26.4	
111 4-Isopropyltoluene	119	8.805	8.805	0.000	98	1214799	25.0	27.6	
110 1,3-Dichlorobenzene	146	8.805	8.805	0.000	98	641284	25.0	25.9	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	94	659127	25.0	25.4	
115 n-Butylbenzene	91	9.136	9.136	0.000	98	1034885	25.0	25.9	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	98	624698	25.0	25.1	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	83	66963	25.0	27.1	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	95	489454	25.0	26.9	
120 Hexachlorobutadiene	225	10.608	10.608	0.000	97	249015	25.0	26.3	
121 Naphthalene	128	10.722	10.722	0.000	97	1245243	25.0	26.9	
122 1,2,3-Trichlorobenzene	180	10.908	10.908	0.000	96	480830	25.0	26.5	

Reagents:

SS GAS CORP_00358	Amount Added: 12.50	Units: uL	
SS 8260 CORP_00085	Amount Added: 12.50	Units: uL	
T_8260_Surr_00209	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added: 1.00	Units: uL	Run Reagent

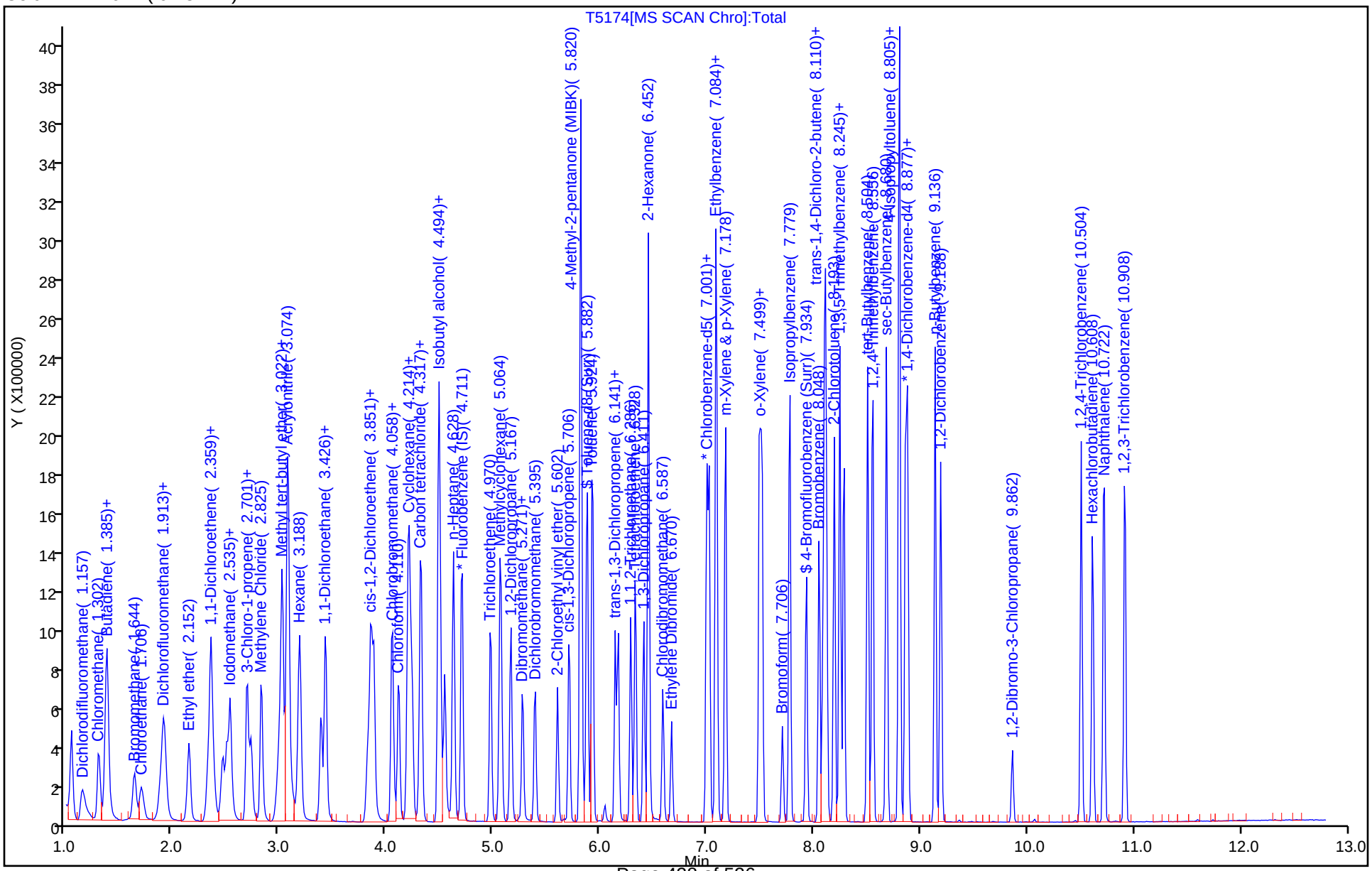
Report Date: 09-Jul-2020 10:59:35 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5174.D

Injection Date:	08-Jul-2020 21:22:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	ICV			Worklist Smp#:	27
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6210.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Aug-2020 09:23:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0092795-003
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Aug-2020 09:55:44 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1023

First Level Reviewer: farrellr Date: 17-Aug-2020 09:55:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	145443	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.001	0.000	95	534602	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.856	0.000	96	309140	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	176589	25.0	23.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	240342	25.0	24.5	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	96	657617	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	196597	25.0	22.7	
11 Dichlorodifluoromethane	85	1.167	1.167	0.000	99	326530	25.0	34.9	
13 Chloromethane	50	1.322	1.322	0.000	99	453206	25.0	31.8	
14 Vinyl chloride	62	1.395	1.395	0.000	98	350399	25.0	29.9	
151 Butadiene	54	1.395	1.395	0.000	93	386233	25.0	32.2	
15 Bromomethane	94	1.654	1.654	0.000	93	187401	25.0	27.7	
16 Chloroethane	64	1.716	1.716	0.000	97	196067	25.0	29.1	
18 Dichlorofluoromethane	67	1.924	1.924	0.000	97	381582	25.0	26.2	
17 Trichlorofluoromethane	101	1.934	1.934	0.000	97	377742	25.0	28.4	
19 Ethyl ether	59	2.162	2.162	0.000	98	224616	25.0	26.0	
21 Acrolein	56	2.338	2.338	0.000	99	218489	125.0	223.5	
22 1,1-Dichloroethene	96	2.369	2.369	0.000	92	194693	25.0	28.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.369	2.369	0.000	95	217695	25.0	30.1	
23 Acetone	43	2.473	2.473	0.000	99	590472	125.0	146.2	
24 Iodomethane	142	2.514	2.514	0.000	98	334190	25.0	25.7	
25 Carbon disulfide	76	2.545	2.545	0.000	99	654558	25.0	29.4	
27 3-Chloro-1-propene	41	2.701	2.701	0.000	89	502329	25.0	33.3	
28 Methyl acetate	43	2.742	2.742	0.000	100	546148	50.0	55.4	
30 Methylene Chloride	84	2.835	2.835	0.000	92	222060	25.0	26.0	
31 2-Methyl-2-propanol	59	2.991	2.991	0.000	98	300549	250.0	263.6	
33 Methyl tert-butyl ether	73	3.022	3.022	0.000	95	579432	25.0	26.0	
32 trans-1,2-Dichloroethene	96	3.032	3.032	0.000	91	213170	25.0	28.4	
34 Acrylonitrile	53	3.084	3.084	0.000	99	1402679	250.0	278.9	
35 Hexane	57	3.198	3.198	0.000	95	489139	25.0	32.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.395	3.395	0.000	97	447364	25.0	28.6	
39 Vinyl acetate	43	3.437	3.437	0.000	97	1295548	50.0	61.5	
42 2,2-Dichloropropane	77	3.841	3.841	0.000	86	267945	25.0	29.0	
43 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	88	222340	25.0	27.0	
44 2-Butanone (MEK)	43	3.893	3.893	0.000	97	889433	125.0	148.9	
47 Chlorobromomethane	128	4.058	4.058	0.000	88	114273	25.0	24.2	
48 Tetrahydrofuran	42	4.069	4.069	0.000	94	228160	50.0	53.3	
50 Chloroform	83	4.120	4.120	0.000	97	368363	25.0	25.2	
52 Cyclohexane	56	4.214	4.214	0.000	93	563301	25.0	31.4	
51 1,1,1-Trichloroethane	97	4.214	4.214	0.000	95	325460	25.0	27.6	
53 Carbon tetrachloride	117	4.317	4.317	0.000	96	282223	25.0	27.8	
54 1,1-Dichloropropene	75	4.328	4.328	0.000	91	297672	25.0	28.8	
55 Benzene	78	4.494	4.494	0.000	93	824254	25.0	28.3	
56 Isobutyl alcohol	43	4.514	4.514	0.000	94	388720	625.0	799.2	
57 1,2-Dichloroethane	62	4.556	4.556	0.000	96	368405	25.0	25.8	
59 n-Heptane	43	4.628	4.628	0.000	97	591769	25.0	36.6	
60 Trichloroethene	95	4.981	4.981	0.000	95	220956	25.0	28.4	
62 Methylcyclohexane	83	5.074	5.074	0.000	95	381622	25.0	29.1	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	93	260789	25.0	29.3	
65 Dibromomethane	93	5.281	5.281	0.000	93	132433	25.0	25.3	
66 1,4-Dioxane	88	5.281	5.281	0.000	43	49979	500.0	581.2	
67 Dichlorobromomethane	83	5.395	5.395	0.000	97	287127	25.0	28.9	
69 2-Chloroethyl vinyl ether	63	5.602	5.602	0.000	91	165093	25.0	26.3	
71 cis-1,3-Dichloropropene	75	5.716	5.716	0.000	89	310388	25.0	27.6	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	1782005	125.0	149.0	
73 Toluene	92	5.934	5.934	0.000	97	507611	25.0	27.2	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	96	281269	25.0	26.8	
77 Ethyl methacrylate	69	6.172	6.172	0.000	94	250759	25.0	25.5	
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	96	156030	25.0	25.4	
79 Tetrachloroethene	166	6.328	6.328	0.000	97	227715	25.0	26.0	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	98	325349	25.0	26.6	
81 2-Hexanone	43	6.452	6.452	0.000	99	1249447	125.0	151.0	
82 Chlorodibromomethane	129	6.587	6.587	0.000	90	208021	25.0	26.4	
83 Ethylene Dibromide	107	6.670	6.670	0.000	98	192793	25.0	25.2	
86 Chlorobenzene	112	7.022	7.022	0.000	93	563785	25.0	26.5	
88 Ethylbenzene	91	7.084	7.084	0.000	98	938083	25.0	27.8	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	92	186982	25.0	26.5	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	365080	25.0	27.4	
91 o-Xylene	106	7.499	7.499	0.000	98	343480	25.0	25.7	
92 Styrene	104	7.520	7.520	0.000	94	583811	25.0	26.6	
93 Bromoform	173	7.706	7.706	0.000	96	127964	25.0	24.6	
95 Isopropylbenzene	105	7.779	7.779	0.000	97	915252	25.0	28.7	
97 Bromobenzene	156	8.048	8.048	0.000	94	237267	25.0	26.4	
98 1,1,2,2-Tetrachloroethane	83	8.090	8.090	0.000	96	258390	25.0	24.7	
99 N-Propylbenzene	91	8.110	8.110	0.000	99	1134517	25.0	29.3	
100 1,2,3-Trichloropropane	110	8.121	8.121	0.000	91	84049	25.0	24.9	
101 trans-1,4-Dichloro-2-butene	53	8.121	8.121	0.000	74	116693	25.0	32.4	
105 2-Chlorotoluene	126	8.193	8.193	0.000	96	219979	25.0	26.3	
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	95	801139	25.0	28.9	
102 4-Chlorotoluene	91	8.286	8.286	0.000	98	783972	25.0	28.3	
106 tert-Butylbenzene	134	8.504	8.504	0.000	94	167989	25.0	27.5	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	98	816819	25.0	29.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.680	8.680	0.000	95	1027607	25.0	27.6	
110 1,3-Dichlorobenzene	146	8.805	8.805	0.000	98	466797	25.0	25.9	
111 4-Isopropyltoluene	119	8.805	8.805	0.000	98	915449	25.0	28.5	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	95	482775	25.0	25.6	
115 n-Butylbenzene	91	9.136	9.136	0.000	98	807632	25.0	27.8	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	97	469499	25.0	25.9	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	81	45336	25.0	25.2	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	95	353229	25.0	26.6	
120 Hexachlorobutadiene	225	10.608	10.608	0.000	97	193003	25.0	28.0	
121 Naphthalene	128	10.722	10.722	0.000	97	872772	25.0	25.9	
122 1,2,3-Trichlorobenzene	180	10.919	10.919	0.000	95	354621	25.0	26.8	

Reagents:

8260 CORP mix_00191	Amount Added: 12.50	Units: uL	
GAS CORP mix_00413	Amount Added: 12.50	Units: uL	
T_8260_Surr_00209	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added: 1.00	Units: uL	Run Reagent

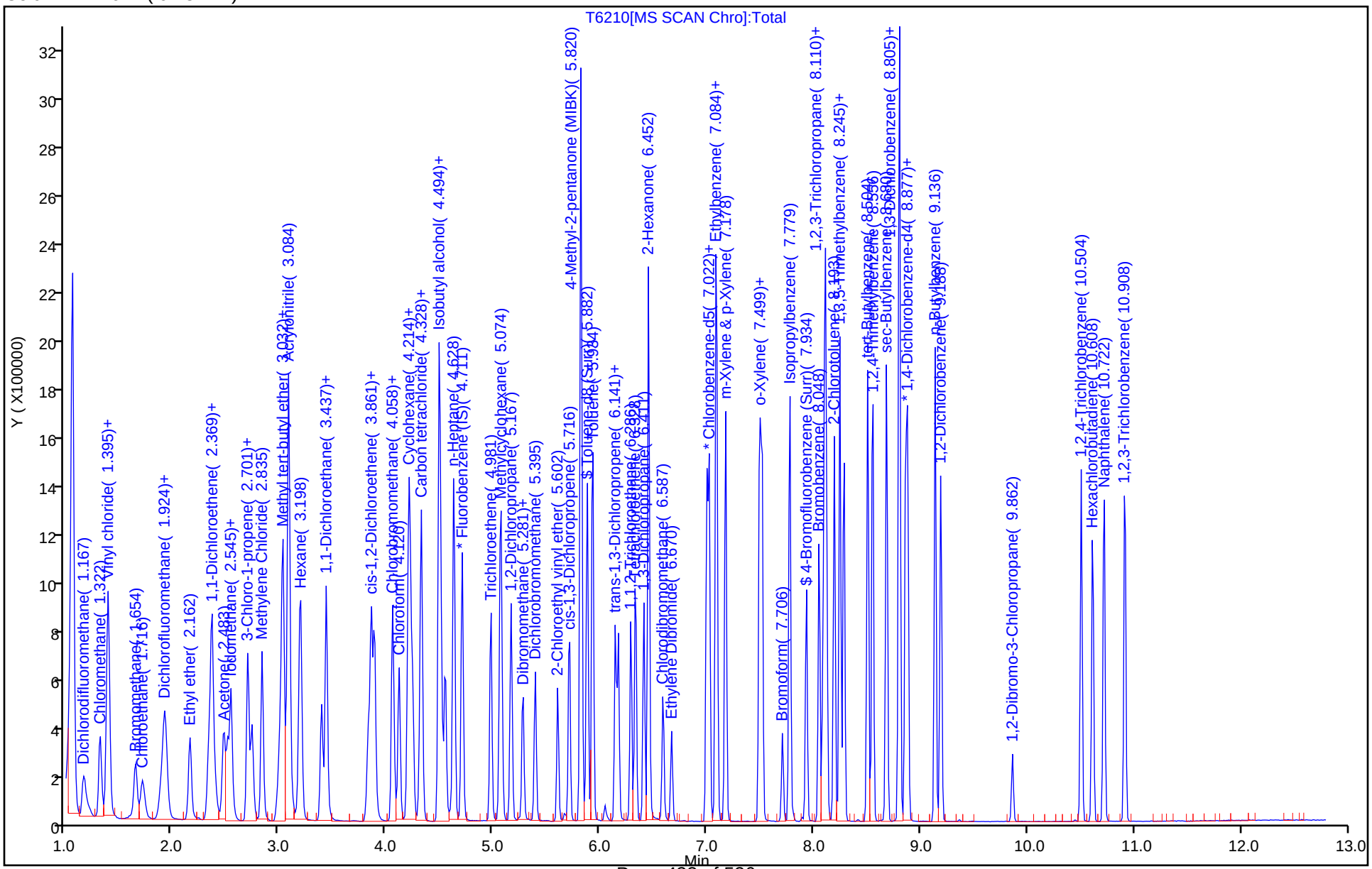
Report Date: 17-Aug-2020 09:55:46 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6210.D

Injection Date:	17-Aug-2020 09:23:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6264.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-Aug-2020 09:32:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccvis
Misc. Info.: 480-0092853-003
Operator ID: RF Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Aug-2020 11:21:49 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1023

First Level Reviewer: farrellr Date: 19-Aug-2020 11:21:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	234098	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.001	0.000	90	850377	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.856	0.000	97	495837	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	284405	25.0	23.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	399936	25.0	25.3	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	1062009	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	325737	25.0	23.6	
11 Dichlorodifluoromethane	85	1.157	1.157	0.000	99	459684	25.0	30.5	
13 Chloromethane	50	1.312	1.312	0.000	99	613977	25.0	26.8	
151 Butadiene	54	1.385	1.385	0.000	94	548177	25.0	28.4	
14 Vinyl chloride	62	1.395	1.395	0.000	97	496513	25.0	26.3	
15 Bromomethane	94	1.644	1.644	0.000	92	288865	25.0	26.5	
16 Chloroethane	64	1.706	1.706	0.000	96	306837	25.0	28.3	
18 Dichlorofluoromethane	67	1.913	1.913	0.000	95	617727	25.0	26.4	
17 Trichlorofluoromethane	101	1.923	1.923	0.000	73	599894	25.0	28.1	
19 Ethyl ether	59	2.151	2.151	0.000	98	378459	25.0	27.2	
21 Acrolein	56	2.328	2.328	0.000	99	334947	125.0	212.9	
22 1,1-Dichloroethene	96	2.359	2.359	0.000	93	319644	25.0	29.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.369	2.369	0.000	94	356865	25.0	30.6	
23 Acetone	43	2.473	2.473	0.000	98	939696	125.0	144.5	
24 Iodomethane	142	2.514	2.514	0.000	98	581881	25.0	27.9	
25 Carbon disulfide	76	2.535	2.535	0.000	99	1117261	25.0	31.2	
27 3-Chloro-1-propene	41	2.701	2.701	0.000	88	816253	25.0	33.6	
28 Methyl acetate	43	2.742	2.742	0.000	100	936168	50.0	59.0	
30 Methylene Chloride	84	2.835	2.835	0.000	93	366069	25.0	26.7	
31 2-Methyl-2-propanol	59	2.991	2.991	0.000	99	550263	250.0	299.9	
33 Methyl tert-butyl ether	73	3.022	3.022	0.000	95	972349	25.0	27.1	
32 trans-1,2-Dichloroethene	96	3.032	3.032	0.000	91	333017	25.0	27.6	
34 Acrylonitrile	53	3.084	3.084	0.000	99	2254542	250.0	278.5	
35 Hexane	57	3.188	3.188	0.000	96	787002	25.0	32.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.385	3.385	0.000	96	737034	25.0	29.2	
39 Vinyl acetate	43	3.436	3.436	0.000	97	2046889	50.0	60.4	
42 2,2-Dichloropropane	77	3.830	3.830	0.000	87	438518	25.0	29.5	
43 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	88	358627	25.0	27.1	
44 2-Butanone (MEK)	43	3.882	3.882	0.000	97	1407400	125.0	146.4	
47 Chlorobromomethane	128	4.058	4.058	0.000	88	185967	25.0	24.4	
48 Tetrahydrofuran	42	4.058	4.058	0.000	95	385320	50.0	55.9	
50 Chloroform	83	4.120	4.120	0.000	97	587064	25.0	25.0	
51 1,1,1-Trichloroethane	97	4.203	4.203	0.000	95	515306	25.0	27.1	
52 Cyclohexane	56	4.214	4.214	0.000	92	914639	25.0	31.7	
53 Carbon tetrachloride	117	4.317	4.317	0.000	98	446531	25.0	27.3	
54 1,1-Dichloropropene	75	4.328	4.328	0.000	90	466374	25.0	28.0	
55 Benzene	78	4.494	4.494	0.000	94	1309504	25.0	28.0	
56 Isobutyl alcohol	43	4.514	4.514	0.000	94	647793	625.0	827.5	
57 1,2-Dichloroethane	62	4.545	4.545	0.000	95	588220	25.0	25.6	
59 n-Heptane	43	4.628	4.628	0.000	97	923206	25.0	35.4	
60 Trichloroethene	95	4.981	4.981	0.000	96	340591	25.0	27.2	
62 Methylcyclohexane	83	5.063	5.063	0.000	95	604319	25.0	28.6	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	93	408302	25.0	28.5	
65 Dibromomethane	93	5.271	5.271	0.000	96	211252	25.0	25.0	
66 1,4-Dioxane	88	5.271	5.271	0.000	47	84422	500.0	616.7	
67 Dichlorobromomethane	83	5.395	5.395	0.000	97	439200	25.0	27.4	
69 2-Chloroethyl vinyl ether	63	5.602	5.602	0.000	91	278151	25.0	27.5	
71 cis-1,3-Dichloropropene	75	5.706	5.706	0.000	88	494614	25.0	27.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	2929015	125.0	154.0	
73 Toluene	92	5.934	5.934	0.000	97	818953	25.0	27.6	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	97	458018	25.0	27.4	
77 Ethyl methacrylate	69	6.172	6.172	0.000	94	409423	25.0	26.2	
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	94	253303	25.0	25.9	
79 Tetrachloroethene	166	6.328	6.328	0.000	96	360123	25.0	25.9	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	96	515414	25.0	26.5	
81 2-Hexanone	43	6.452	6.452	0.000	99	2056823	125.0	156.2	
82 Chlorodibromomethane	129	6.587	6.587	0.000	91	319104	25.0	25.4	
83 Ethylene Dibromide	107	6.670	6.670	0.000	98	307672	25.0	25.3	
86 Chlorobenzene	112	7.022	7.022	0.000	92	879319	25.0	25.9	
88 Ethylbenzene	91	7.084	7.084	0.000	98	1517167	25.0	28.2	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	91	304026	25.0	27.1	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	594215	25.0	28.0	
91 o-Xylene	106	7.488	7.488	0.000	98	562925	25.0	26.5	
92 Styrene	104	7.520	7.520	0.000	95	970160	25.0	27.8	
93 Bromoform	173	7.706	7.706	0.000	96	209310	25.0	25.3	
95 Isopropylbenzene	105	7.779	7.779	0.000	97	1478027	25.0	28.9	
97 Bromobenzene	156	8.048	8.048	0.000	96	380586	25.0	26.4	
98 1,1,2,2-Tetrachloroethane	83	8.089	8.089	0.000	95	433408	25.0	25.8	
99 N-Propylbenzene	91	8.100	8.100	0.000	99	1812298	25.0	29.2	
101 trans-1,4-Dichloro-2-butene	53	8.121	8.121	0.000	83	184724	25.0	32.0	
100 1,2,3-Trichloropropane	110	8.121	8.121	0.000	92	135535	25.0	25.0	
105 2-Chlorotoluene	126	8.193	8.193	0.000	96	357755	25.0	26.7	
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	95	1305034	25.0	29.3	
102 4-Chlorotoluene	91	8.286	8.286	0.000	98	1257235	25.0	28.3	
106 tert-Butylbenzene	134	8.504	8.504	0.000	95	284071	25.0	29.0	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	98	1314300	25.0	29.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.680	8.680	0.000	95	1676184	25.0	28.1	
111 4-Isopropyltoluene	119	8.805	8.805	0.000	98	1463325	25.0	28.4	
110 1,3-Dichlorobenzene	146	8.805	8.805	0.000	98	783057	25.0	27.1	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	94	773030	25.0	25.5	
115 n-Butylbenzene	91	9.136	9.136	0.000	98	1339189	25.0	28.7	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	97	757379	25.0	26.0	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	79	78408	25.0	27.2	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	95	531820	25.0	25.0	
120 Hexachlorobutadiene	225	10.608	10.608	0.000	97	288273	25.0	26.1	
121 Naphthalene	128	10.722	10.722	0.000	97	1369659	25.0	25.3	
122 1,2,3-Trichlorobenzene	180	10.908	10.908	0.000	95	539895	25.0	25.4	

Reagents:

8260 CORP mix_00191	Amount Added: 12.50	Units: uL	
GAS CORP mix_00413	Amount Added: 12.50	Units: uL	
T_8260_Surr_00209	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added: 1.00	Units: uL	Run Reagent

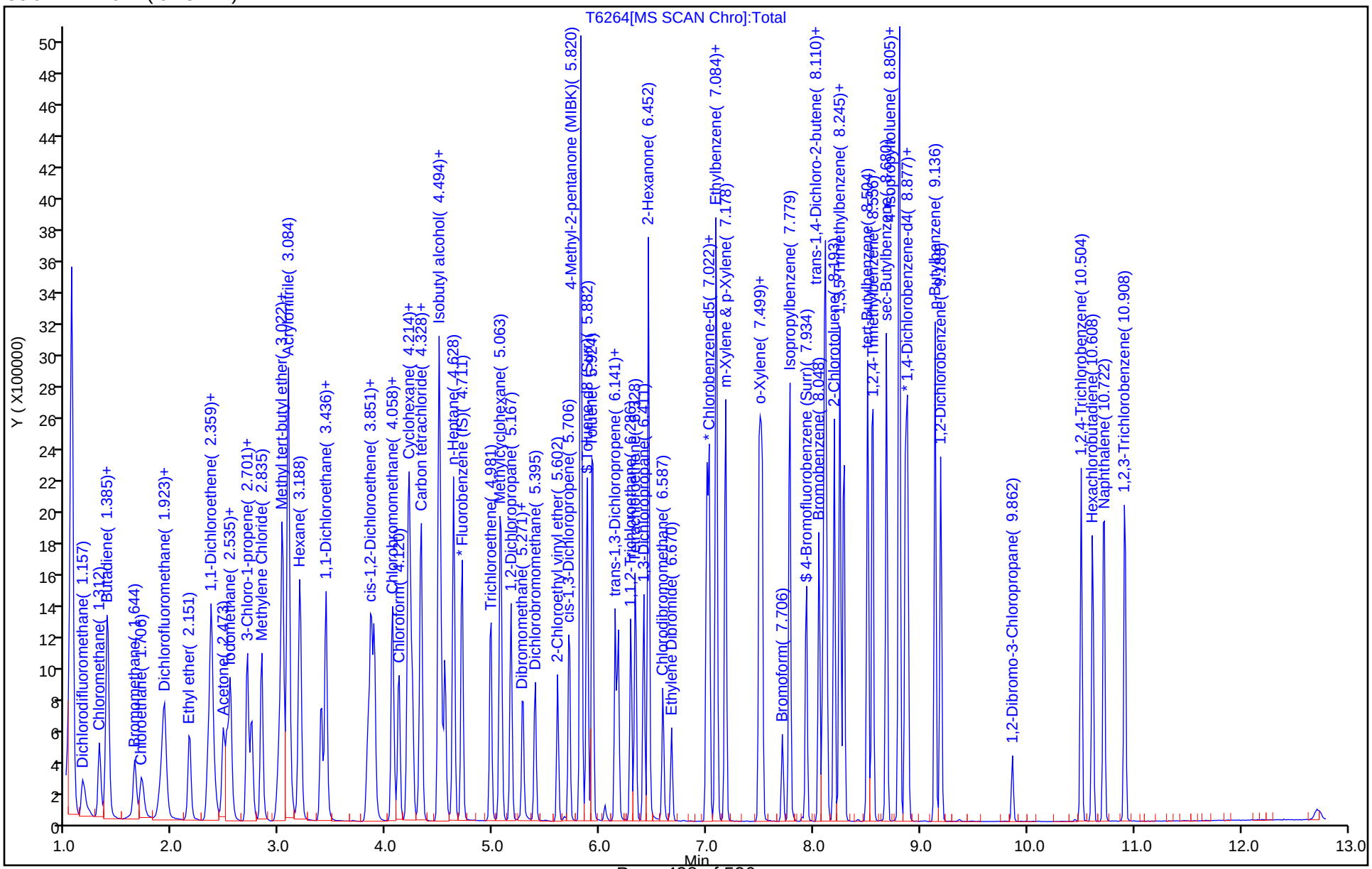
Report Date: 19-Aug-2020 11:21:51 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6264.D

Injection Date:	19-Aug-2020 09:32:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0620.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Aug-2020 12:26:30 ALS Bottle#: 1 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0092768-005
Operator ID: LH Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Aug-2020 16:28:41 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1027

First Level Reviewer: HillL Date: 14-Aug-2020 12:34:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.705	3.705	0.000	0	383380	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

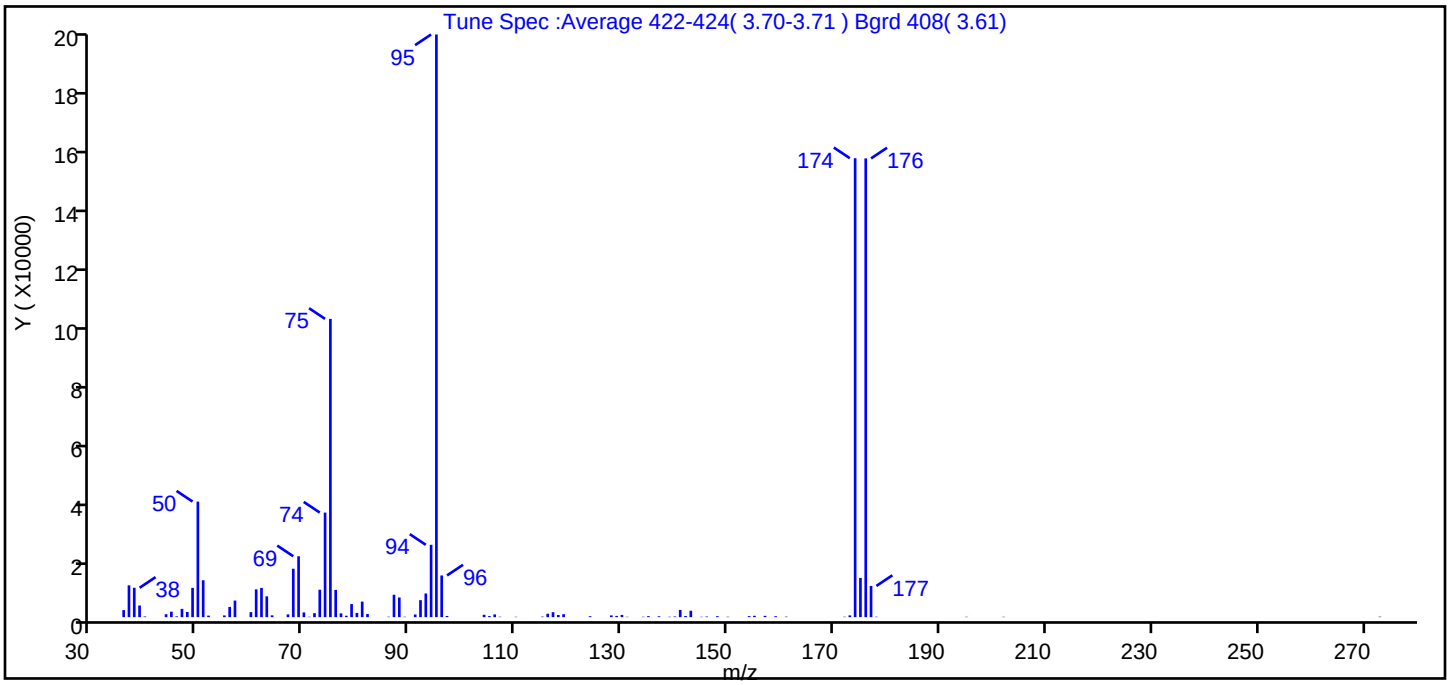
BFB_WRK_00109 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0620.D
Injection Date: 14-Aug-2020 12:26:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 1 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.8
75	30 to 60% of m/z 95	51.2
96	5 to 9% of m/z 95	7.2
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	78.8
175	5 to 9% of m/z 174	6.7 (8.5)
176	Greater than 95% but less than 101% of m/z 174	78.7 (100.0)
177	5 to 9% of m/z 176	5.4 (6.8)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0620.D\S-8260.rslt\spectra.d
Injection Date: 14-Aug-2020 12:26:30
Spectrum: Tune Spec :Average 422-424(3.70-3.71) Bgrd 408(3.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2306	68.00	15852	95.00	190784	141.00	2368
37.00	10412	69.00	19936	96.00	13652	142.00	370
38.00	9613	70.00	1541	97.00	386	143.00	2103
39.00	3816	71.00	128	104.00	775	145.00	117
40.00	217	72.00	1300	105.00	346	146.00	196
44.00	955	73.00	8982	106.00	893	148.00	309
45.00	1795	74.00	34240	107.00	135	150.00	135
46.00	254	75.00	97664	110.00	117	154.00	335
47.00	2712	76.00	8924	115.00	171	155.00	444
48.00	1686	77.00	1243	116.00	1119	157.00	424
49.00	9586	78.00	457	117.00	1633	159.00	300
50.00	37840	79.00	4289	118.00	697	161.00	159
51.00	12076	80.00	1386	119.00	968	172.00	132
52.00	502	81.00	5079	124.00	303	173.00	569
55.00	559	82.00	1025	128.00	573	174.00	150272
56.00	3351	86.00	139	129.00	402	175.00	12848
57.00	5431	87.00	7325	130.00	722	176.00	150208
60.00	1641	88.00	6430	131.00	117	177.00	10213
61.00	9101	89.00	132	134.00	130	178.00	141
62.00	9569	91.00	871	135.00	332	195.00	122
63.00	6812	92.00	5554	137.00	282	202.00	117
64.00	592	93.00	7743	139.00	127	273.00	159
67.00	901	94.00	23688	140.00	215		

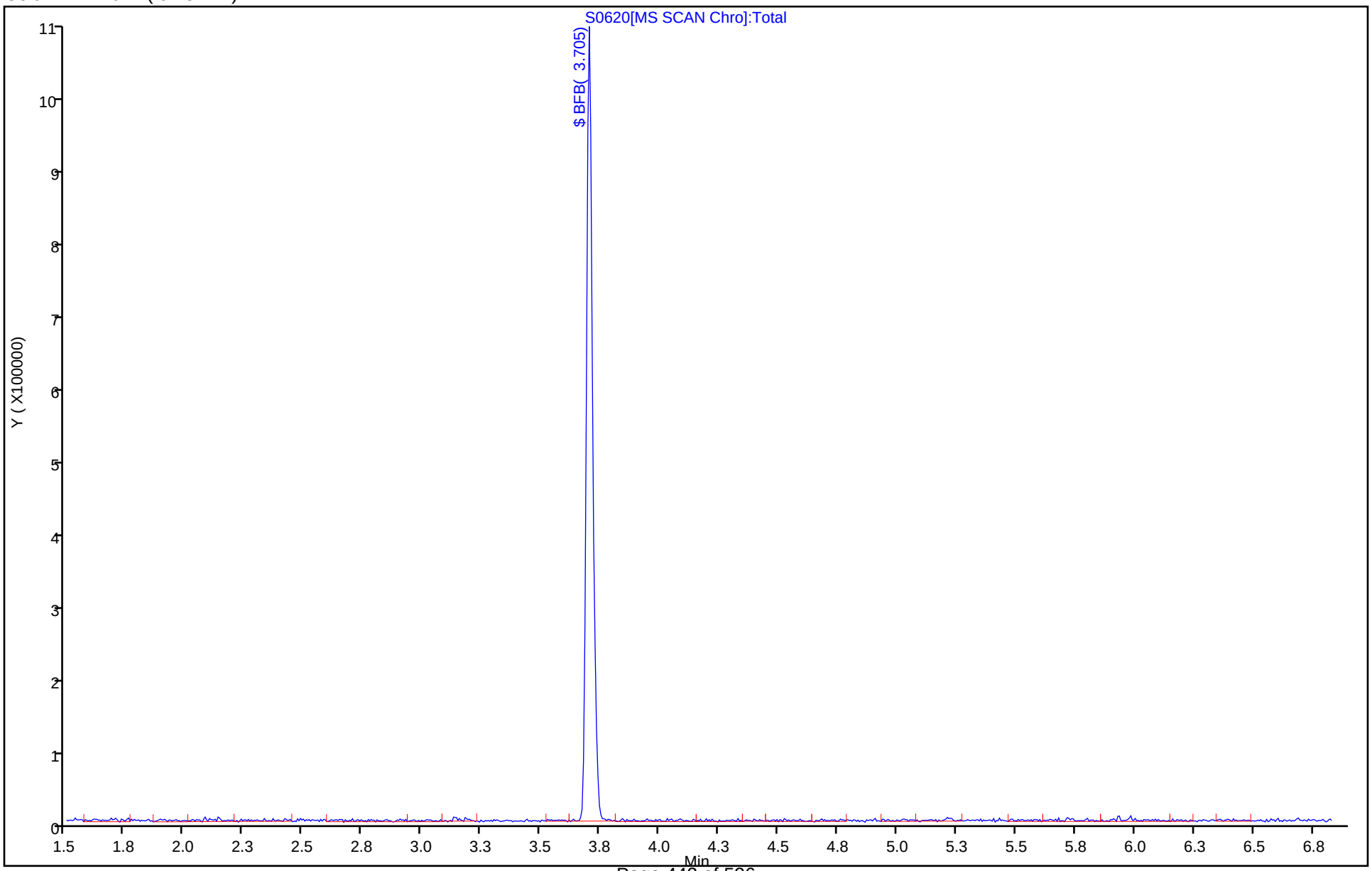
Report Date: 16-Aug-2020 16:28:41 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0620.D

Injection Date:	14-Aug-2020 12:26:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0729.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	19-Aug-2020 08:00:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0092846-002				
Operator ID:	AM	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	19-Aug-2020 08:10:16	Calib Date:	15-Aug-2020 12:16:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1040				
First Level Reviewer: moffata		Date:	19-Aug-2020 08:10:16		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.674	3.674	0.000	0	425199	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

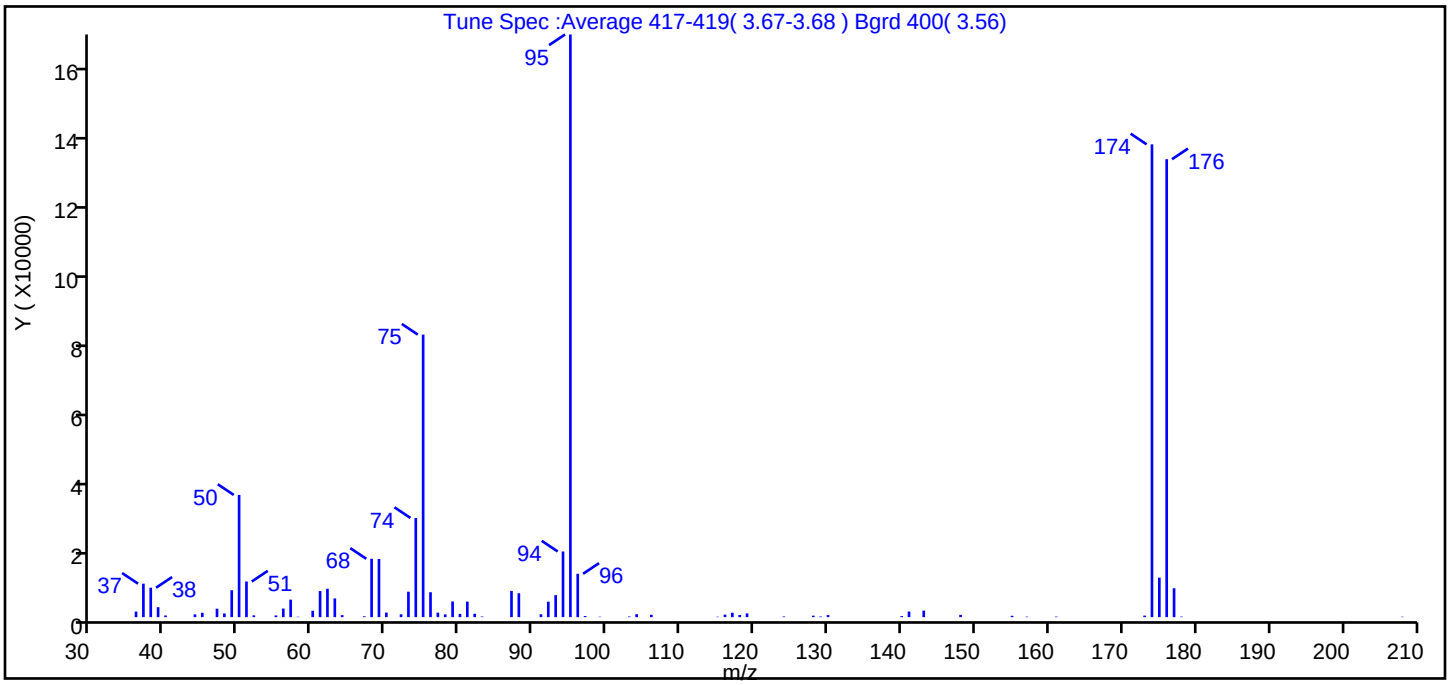
BFB_WRK_00109 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0729.D
Injection Date: 19-Aug-2020 08:00:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.0
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	7.4
173	Less than 2% of m/z 174	0.3 (0.3)
174	50 to 120% of m/z 95	81.1
175	5 to 9% of m/z 174	6.8 (8.4)
176	Greater than 95% but less than 101% of m/z 174	78.6 (96.9)
177	5 to 9% of m/z 176	5.0 (6.3)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0729.D\S-8260.rslt\spectra.d
Injection Date: 19-Aug-2020 08:00:30
Spectrum: Tune Spec :Average 417-419(3.67-3.68) Bgrd 400(3.56)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 74

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1552	62.00	7926	87.00	7319	128.00	409
37.00	9338	63.00	5218	88.00	6675	129.00	165
38.00	8212	64.00	552	91.00	797	130.00	576
39.00	2780	67.00	235	92.00	4309	140.00	283
40.00	459	68.00	16278	93.00	6142	141.00	1573
44.00	772	69.00	16208	94.00	18320	143.00	1824
45.00	1219	70.00	1265	95.00	162560	148.00	635
47.00	2351	72.00	795	96.00	12094	155.00	377
48.00	1032	73.00	7105	97.00	323	157.00	142
49.00	7514	74.00	27672	99.00	119	161.00	149
50.00	34096	75.00	78824	103.00	179	173.00	429
51.00	9940	76.00	6950	104.00	817	174.00	131904
52.00	497	77.00	1247	106.00	668	175.00	11023
55.00	471	78.00	766	115.00	121	176.00	127760
56.00	2393	79.00	4382	116.00	697	177.00	8062
57.00	4888	80.00	914	117.00	1217	178.00	150
58.00	118	81.00	4341	118.00	608	208.00	116
60.00	1787	82.00	941	119.00	1041		
61.00	7278	83.00	167	124.00	186		

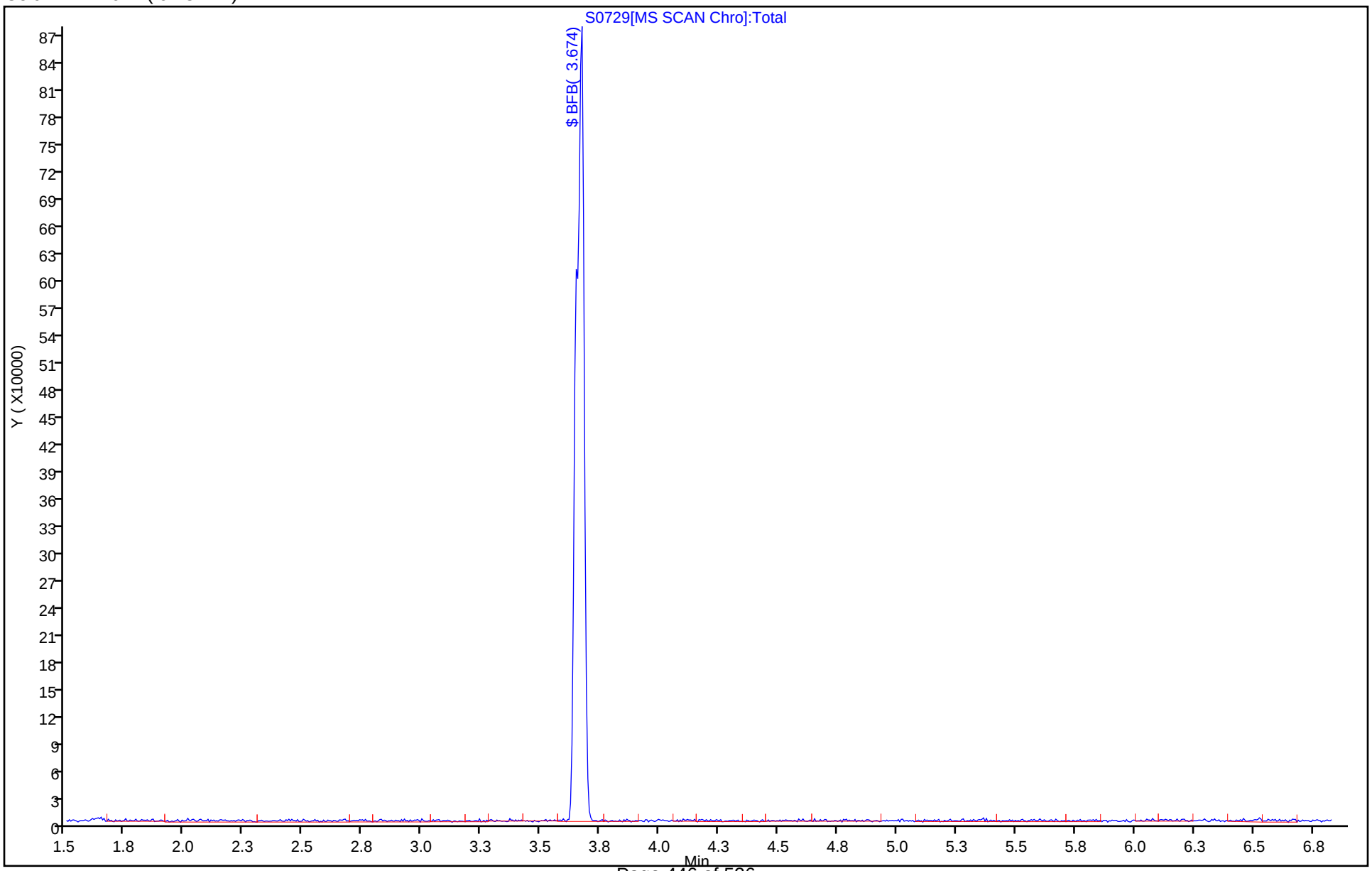
Report Date: 19-Aug-2020 08:10:16 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0729.D

Injection Date:	19-Aug-2020 08:00:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5151.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 08-Jul-2020 12:33:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0091875-004
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jul-2020 11:01:41 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1065

First Level Reviewer: farrellr Date: 08-Jul-2020 12:42:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	5.340	5.340	0.000	88	223600	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

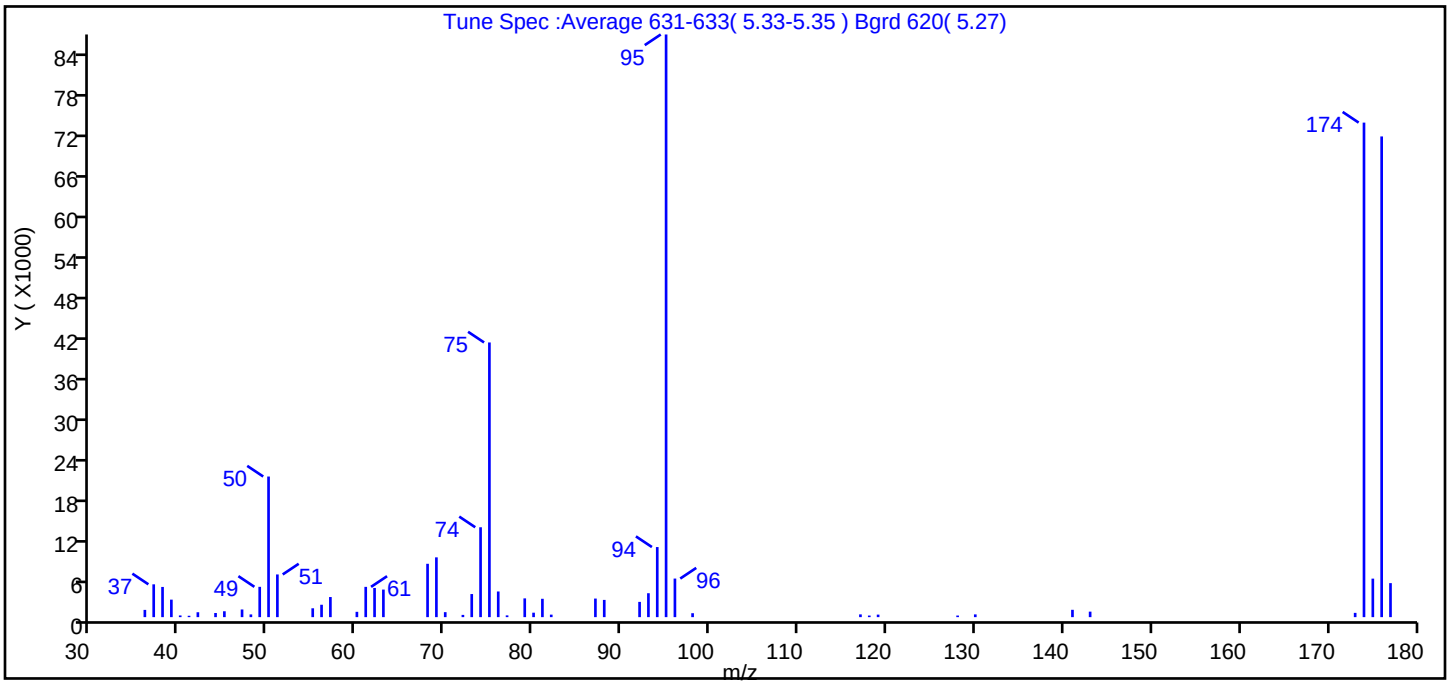
MV_BFB_STK_00073 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5151.D
Injection Date: 08-Jul-2020 12:33:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	24.1
75	30 to 60% of m/z 95	47.1
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.7 (0.9)
174	50 to 120% of m/z 95	84.9
175	5 to 9% of m/z 174	6.6 (7.8)
176	Greater than 95% but less than 101% of m/z 174	82.5 (97.2)
177	5 to 9% of m/z 176	5.8 (7.1)

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5151.D\T-8260.rslt\spectra.d
Injection Date: 08-Jul-2020 12:33:30
Spectrum: Tune Spec :Average 631-633(5.33-5.35) Bgrd 620(5.27)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 54

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1082	55.00	1322	76.00	3830	117.00	411
37.00	4898	56.00	1850	77.00	263	118.00	238
38.00	4507	57.00	3002	79.00	2800	119.00	377
39.00	2613	60.00	795	80.00	665	128.00	239
40.00	252	61.00	4519	81.00	2740	130.00	411
41.00	206	62.00	4357	82.00	375	141.00	1095
42.00	731	63.00	4116	87.00	2773	143.00	822
44.00	619	68.00	7962	88.00	2573	173.00	638
45.00	878	69.00	8923	92.00	2277	174.00	73800
47.00	1145	70.00	744	93.00	3570	175.00	5747
48.00	407	72.00	336	94.00	10460	176.00	71736
49.00	4524	73.00	3447	95.00	86952	177.00	5076
50.00	20984	74.00	13414	96.00	5757		
51.00	6372	75.00	40992	98.00	587		

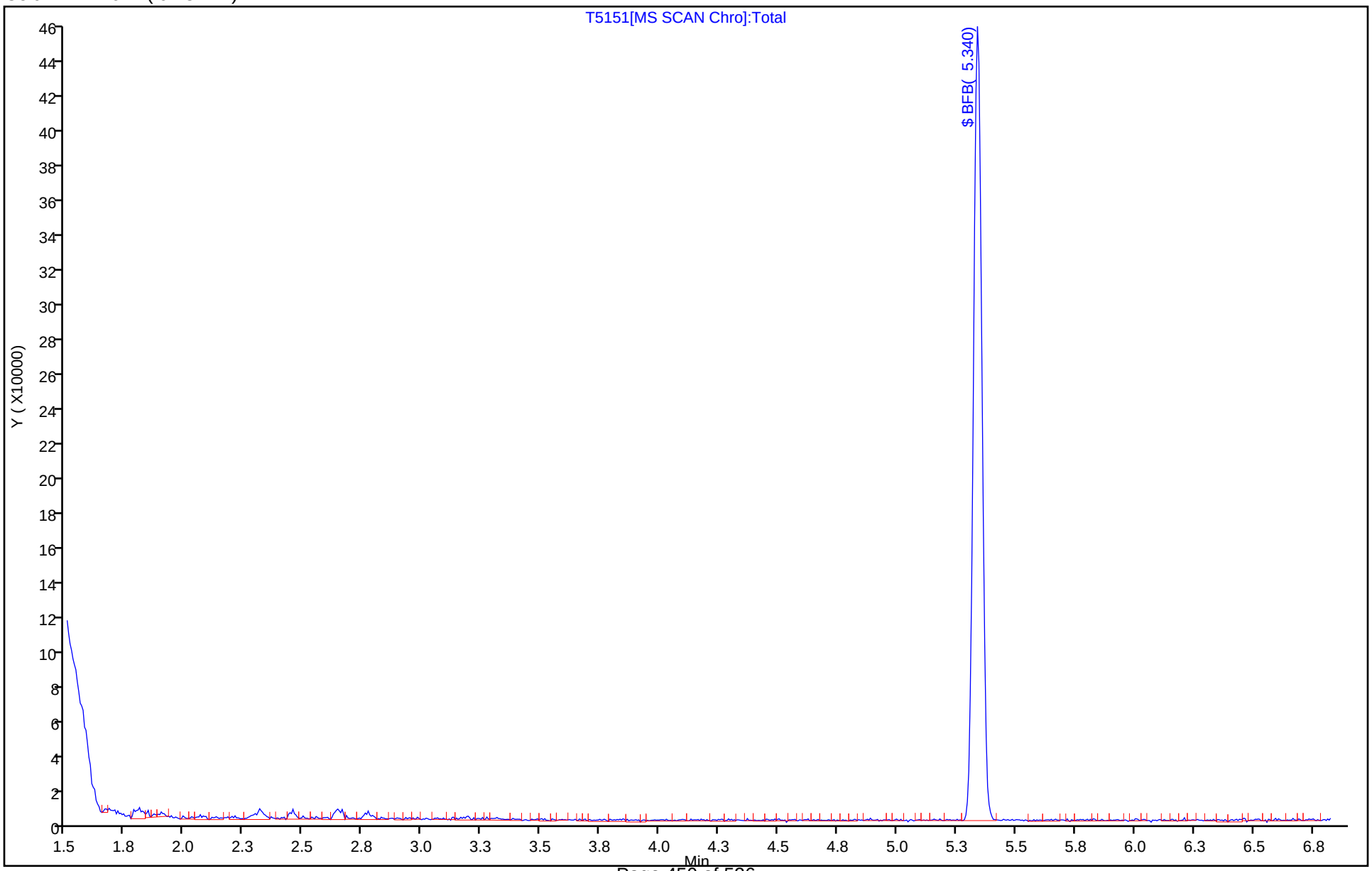
Report Date: 09-Jul-2020 11:01:41 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5151.D

Injection Date:	08-Jul-2020 12:33:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	BFB			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6209.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 17-Aug-2020 08:57:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0092795-002
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Aug-2020 09:08:51 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1023

First Level Reviewer: farrellr Date: 17-Aug-2020 09:08:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	5.340	5.340	0.000	84	122737	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

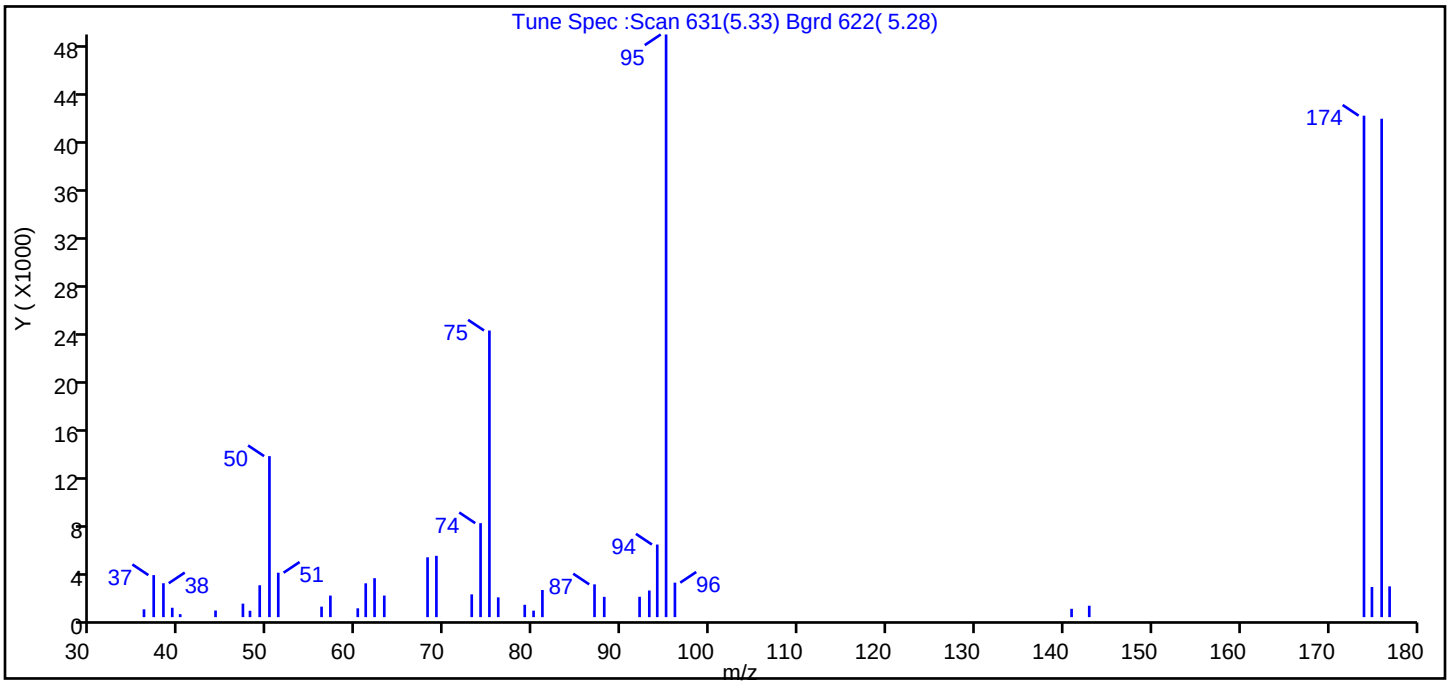
BFB_WRK_00108 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6209.D				
Injection Date:	17-Aug-2020 08:57:30	Instrument ID:	HP5975T		
Lims ID:	BFB				
Client ID:					
Operator ID:	RF	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Tune Method:	BFB Method 8260				

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	27.6
75	30 to 60% of m/z 95	49.2
96	5 to 9% of m/z 95	5.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	86.1
175	5 to 9% of m/z 174	5.2 (6.0)
176	Greater than 95% but less than 101% of m/z 174	85.5 (99.4)
177	5 to 9% of m/z 176	5.3 (6.2)

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6209.D\T-8260.rslt\spectra.d
Injection Date: 17-Aug-2020 08:57:30
Spectrum: Tune Spec :Scan 631(5.33) Bgrd 622(5.28)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	654	51.00	3705	74.00	7836	94.00	6053
37.00	3506	56.00	874	75.00	23896	95.00	48576
38.00	2826	57.00	1797	76.00	1651	96.00	2876
39.00	781	60.00	737	79.00	1028	141.00	696
40.00	249	61.00	2821	80.00	540	143.00	952
44.00	553	62.00	3249	81.00	2262	174.00	41808
47.00	1126	63.00	1799	87.00	2733	175.00	2511
48.00	532	68.00	4991	88.00	1693	176.00	41552
49.00	2657	69.00	5111	92.00	1697	177.00	2565
50.00	13423	73.00	1898	93.00	2220		

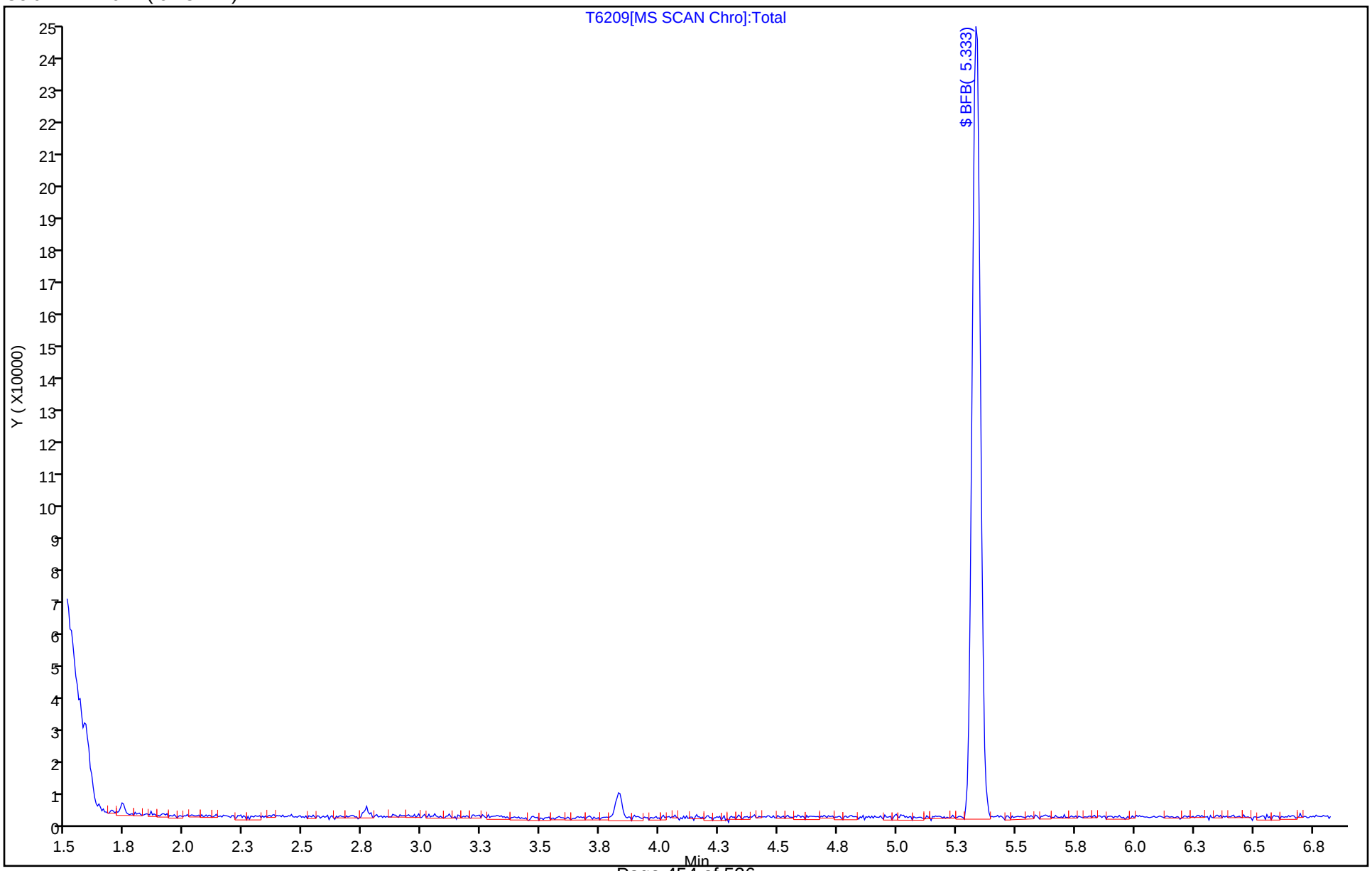
Report Date: 17-Aug-2020 09:08:52 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6209.D

Injection Date:	17-Aug-2020 08:57:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6263.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 19-Aug-2020 09:09:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0092853-002
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Aug-2020 09:17:21 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1023

First Level Reviewer: farrellr Date: 19-Aug-2020 09:17:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	5.346	5.346	0.000	88	227230	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

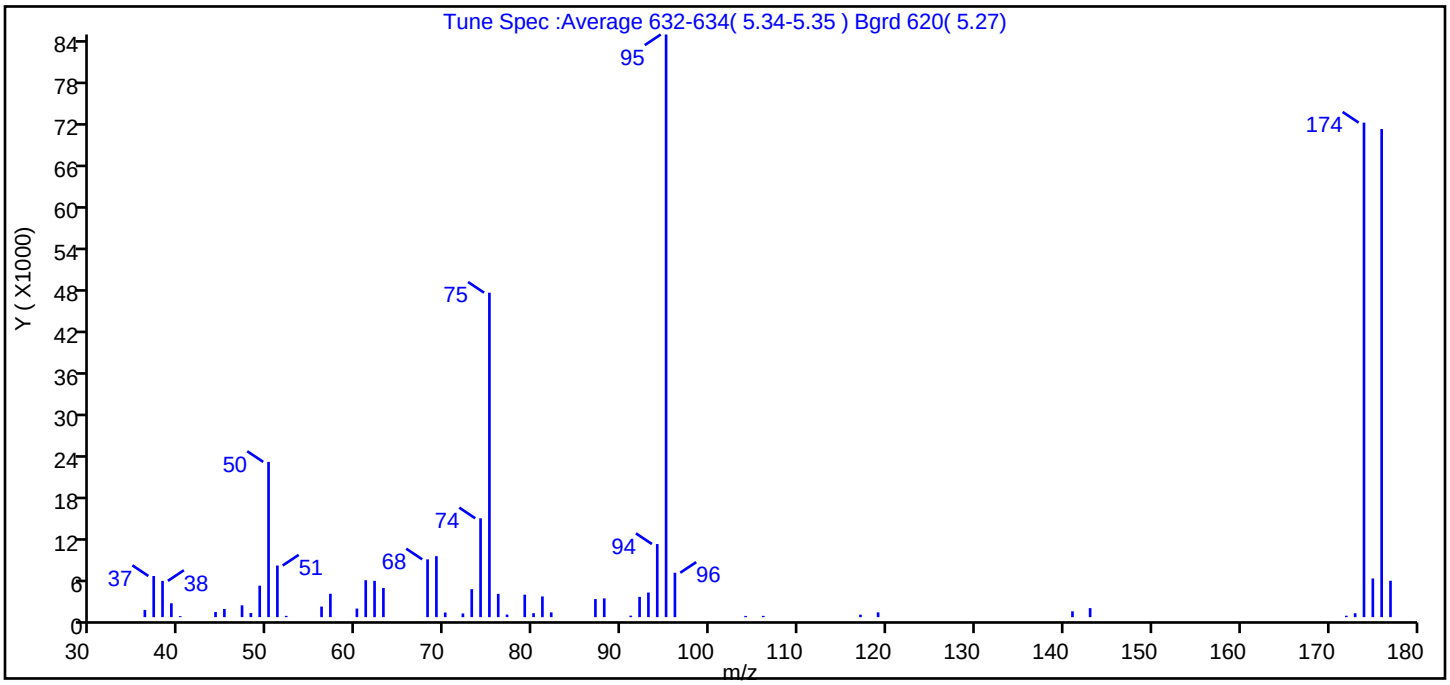
BFB_WRK_00108 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6263.D
Injection Date: 19-Aug-2020 09:09:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: RF ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	26.6
75	30 to 60% of m/z 95	55.7
96	5 to 9% of m/z 95	7.6
173	Less than 2% of m/z 174	0.7 (0.8)
174	50 to 120% of m/z 95	84.9
175	5 to 9% of m/z 174	6.6 (7.8)
176	Greater than 95% but less than 101% of m/z 174	83.8 (98.7)
177	5 to 9% of m/z 176	6.2 (7.5)

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6263.D\T-8260.rslt\spectra.d
Injection Date: 19-Aug-2020 09:09:30
Spectrum: Tune Spec :Average 632-634(5.34-5.35) Bgrd 620(5.27)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1044	56.00	1531	76.00	3372	96.00	6421
37.00	5950	57.00	3380	77.00	375	104.00	176
38.00	5245	60.00	1240	79.00	3251	106.00	187
39.00	2005	61.00	5344	80.00	575	117.00	354
40.00	141	62.00	5251	81.00	2998	119.00	691
44.00	748	63.00	4215	82.00	691	141.00	842
45.00	1185	68.00	8360	87.00	2618	143.00	1307
47.00	1710	69.00	8827	88.00	2713	172.00	206
48.00	600	70.00	668	91.00	215	173.00	565
49.00	4555	72.00	531	92.00	2932	174.00	71536
50.00	22456	73.00	4050	93.00	3560	175.00	5593
51.00	7469	74.00	14301	94.00	10575	176.00	70616
52.00	186	75.00	46936	95.00	84288	177.00	5264

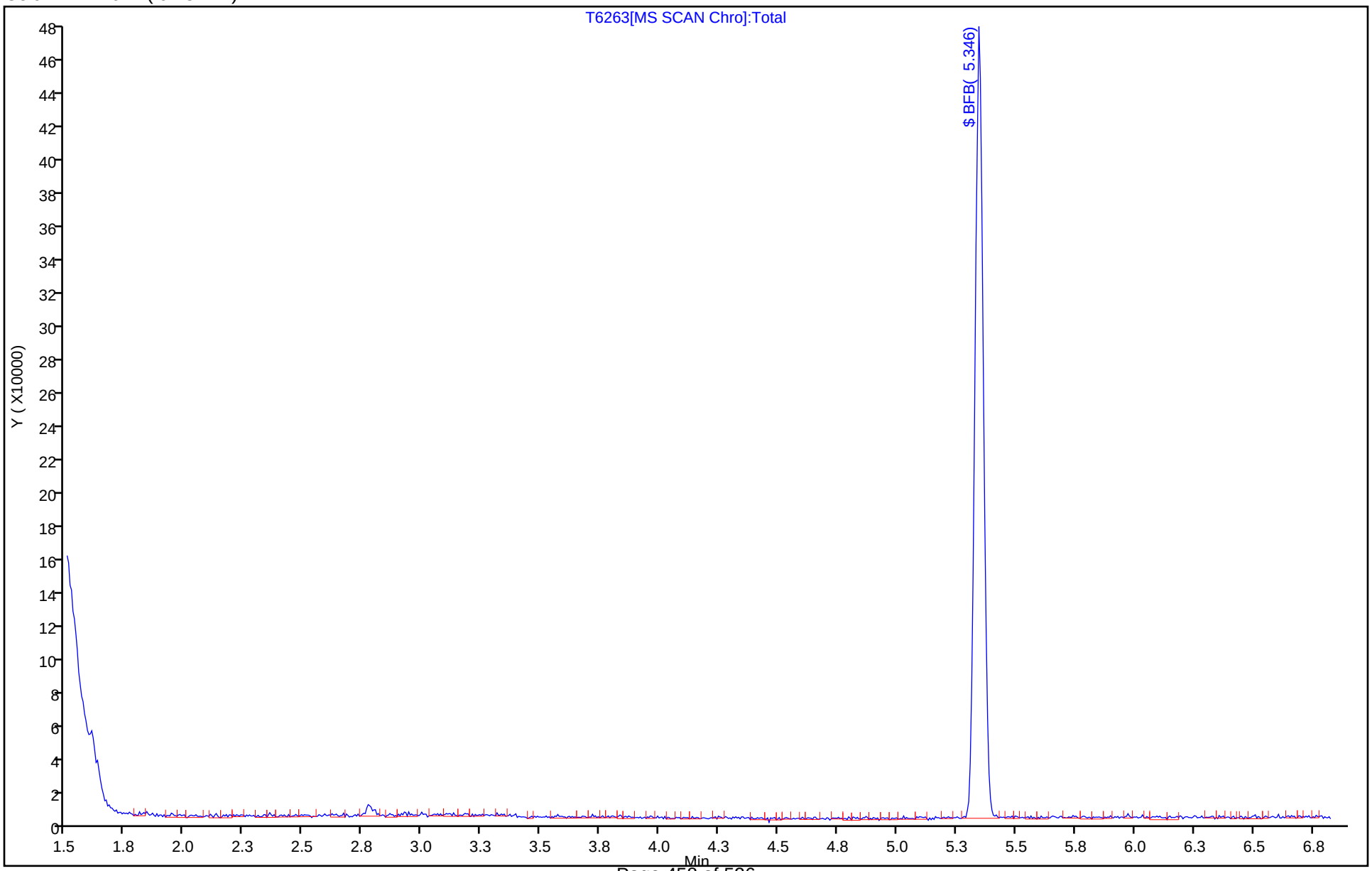
Report Date: 19-Aug-2020 09:17:21 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6263.D

Injection Date:	19-Aug-2020 09:09:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6214.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 17-Aug-2020 10:59:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0092795-007
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Aug-2020 11:39:38 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1023

First Level Reviewer: farrellr Date: 17-Aug-2020 11:39:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.701	4.711	-0.010	97	145637	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.002	7.002	0.000	91	531640	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.857	8.857	0.001	96	306821	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.236	0.000	93	182001	25.0	24.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.483	4.494	-0.011	0	237912	25.0	24.2	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	637871	25.0	24.0	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	193579	25.0	22.4	
11 Dichlorodifluoromethane	85		1.167					ND	
12 Chlorodifluoromethane	51		1.188					ND	
13 Chloromethane	50		1.322					ND	
14 Vinyl chloride	62		1.395					ND	
151 Butadiene	54		1.395					ND	
15 Bromomethane	94		1.654					ND	
16 Chloroethane	64		1.716					ND	
18 Dichlorofluoromethane	67		1.924					ND	
17 Trichlorofluoromethane	101		1.934					ND	
19 Ethyl ether	59		2.162					ND	
148 Ethanol	45		2.183					ND	
84 Propene oxide	58		2.234					ND	
21 Acrolein	56		2.338					ND	
22 1,1-Dichloroethene	96		2.369					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369					ND	
23 Acetone	43		2.473					ND	
24 Iodomethane	142		2.514					ND	
25 Carbon disulfide	76		2.545					ND	
26 Isopropyl alcohol	45		2.649					ND	U
27 3-Chloro-1-propene	41		2.701					ND	
28 Methyl acetate	43		2.742					ND	
29 Acetonitrile	40		2.763					ND	
30 Methylene Chloride	84		2.835					ND	
31 2-Methyl-2-propanol	59		2.991					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73		3.022					ND	
32 trans-1,2-Dichloroethene	96		3.032					ND	
34 Acrylonitrile	53		3.084					ND	
35 Hexane	57		3.198					ND	U
36 1,1-Dichloroethane	63		3.395					ND	
37 Isopropyl ether	45		3.406					ND	
39 Vinyl acetate	43		3.437					ND	
38 2-Chloro-1,3-butadiene	53		3.437					ND	
139 Halothane	117		3.437					ND	
40 1,1-Dimethoxyethane	75		3.468					ND	
41 Tert-butyl ethyl ether	59		3.696					ND	
42 2,2-Dichloropropane	77		3.841					ND	
43 cis-1,2-Dichloroethene	96		3.861					ND	
44 2-Butanone (MEK)	43		3.893					ND	
45 Ethyl acetate	43		3.913					ND	
46 Propionitrile	54		3.976					ND	
47 Chlorobromomethane	128		4.058					ND	
48 Tetrahydrofuran	42		4.069					ND	
49 Methacrylonitrile	41		4.069					ND	
50 Chloroform	83		4.120					ND	
52 Cyclohexane	56		4.214					ND	
51 1,1,1-Trichloroethane	97		4.214					ND	
53 Carbon tetrachloride	117		4.317					ND	
54 1,1-Dichloropropene	75		4.328					ND	
152 Isooctane	57		4.483					ND	
55 Benzene	78		4.494					ND	
56 Isobutyl alcohol	43		4.514					ND	
57 1,2-Dichloroethane	62		4.556					ND	
58 Tert-amyl methyl ether	73		4.556					ND	
147 t-Amyl alcohol	59		4.556					ND	
59 n-Heptane	43		4.628					ND	
1 1,4-Difluorobenzene	114		4.794					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.887					ND	
60 Trichloroethene	95		4.981					ND	
61 n-Butanol	56		5.001					ND	
62 Methylcyclohexane	83		5.074					ND	
142 Ethyl acrylate	55		5.074					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.074					ND	
63 1,2-Dichloropropane	63		5.167					ND	
64 Methyl methacrylate	41		5.240					ND	
65 Dibromomethane	93		5.281					ND	
66 1,4-Dioxane	88		5.281					ND	
67 Dichlorobromomethane	83		5.395					ND	
68 2-Nitropropane	43		5.582					ND	
69 2-Chloroethyl vinyl ether	63		5.602					ND	
70 Epichlorohydrin	57		5.675					ND	
71 cis-1,3-Dichloropropene	75		5.716					ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820					ND	
73 Toluene	92		5.934					ND	
74 2-Methylthiophene	97		6.038					ND	
75 trans-1,3-Dichloropropene	75		6.141					ND	
76 3-Methylthiophene	97		6.162					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
77 Ethyl methacrylate	69		6.172					ND	
78 1,1,2-Trichloroethane	83		6.286					ND	
79 Tetrachloroethene	166		6.328					ND	
80 1,3-Dichloropropane	76		6.411					ND	
81 2-Hexanone	43		6.452					ND	
155 n-Butyl acetate	43		6.535					ND	
82 Chlorodibromomethane	129		6.587					ND	
83 Ethylene Dibromide	107		6.670					ND	
146 1-Chlorohexane	55		6.981					ND	U
85 3-Chlorobenzotrifluoride	180		6.991					ND	
86 Chlorobenzene	112		7.022					ND	
87 4-Chlorobenzotrifluoride	180		7.033					ND	
88 Ethylbenzene	91		7.084					ND	
89 1,1,1,2-Tetrachloroethane	131		7.095					ND	
90 m-Xylene & p-Xylene	106		7.178					ND	
91 o-Xylene	106		7.499					ND	
92 Styrene	104		7.520					ND	
93 Bromoform	173		7.706					ND	
94 2-Chlorobenzotrifluoride	180		7.717					ND	
95 Isopropylbenzene	105		7.779					ND	
96 Cyclohexanone	55		7.913					ND	
97 Bromobenzene	156		8.048					ND	
98 1,1,2,2-Tetrachloroethane	83		8.090					ND	
99 N-Propylbenzene	91		8.110					ND	
100 1,2,3-Trichloropropane	110		8.121					ND	
101 trans-1,4-Dichloro-2-butene	53		8.121					ND	
105 2-Chlorotoluene	126		8.193					ND	
104 1,3,5-Trimethylbenzene	105		8.245					ND	
103 3-Chlorotoluene	126		8.245					ND	
102 4-Chlorotoluene	91		8.286					ND	
106 tert-Butylbenzene	134		8.504					ND	
107 1,2,4-Trimethylbenzene	105		8.556					ND	
108 Pentachloroethane	167		8.566					ND	
109 sec-Butylbenzene	105		8.680					ND	
110 1,3-Dichlorobenzene	146		8.805					ND	
111 4-Isopropyltoluene	119		8.805					ND	
112 Dicyclopentadiene	66		8.857					ND	
113 1,4-Dichlorobenzene	146		8.877					ND	
114 1,2,3-Trimethylbenzene	105		8.898					ND	
150 Benzyl chloride	126		9.012					ND	
115 n-Butylbenzene	91		9.136					ND	
116 1,2-Dichlorobenzene	146		9.188					ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862					ND	
118 1,3,5-Trichlorobenzene	180		9.986					ND	
119 1,2,4-Trichlorobenzene	180		10.504					ND	
120 Hexachlorobutadiene	225		10.608					ND	
121 Naphthalene	128		10.722					ND	
122 1,2,3-Trichlorobenzene	180		10.919					ND	
149 2-Methylnaphthalene	142		11.592					ND	
136 Nitrobenzene	77		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
137 Methyl acrylate	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

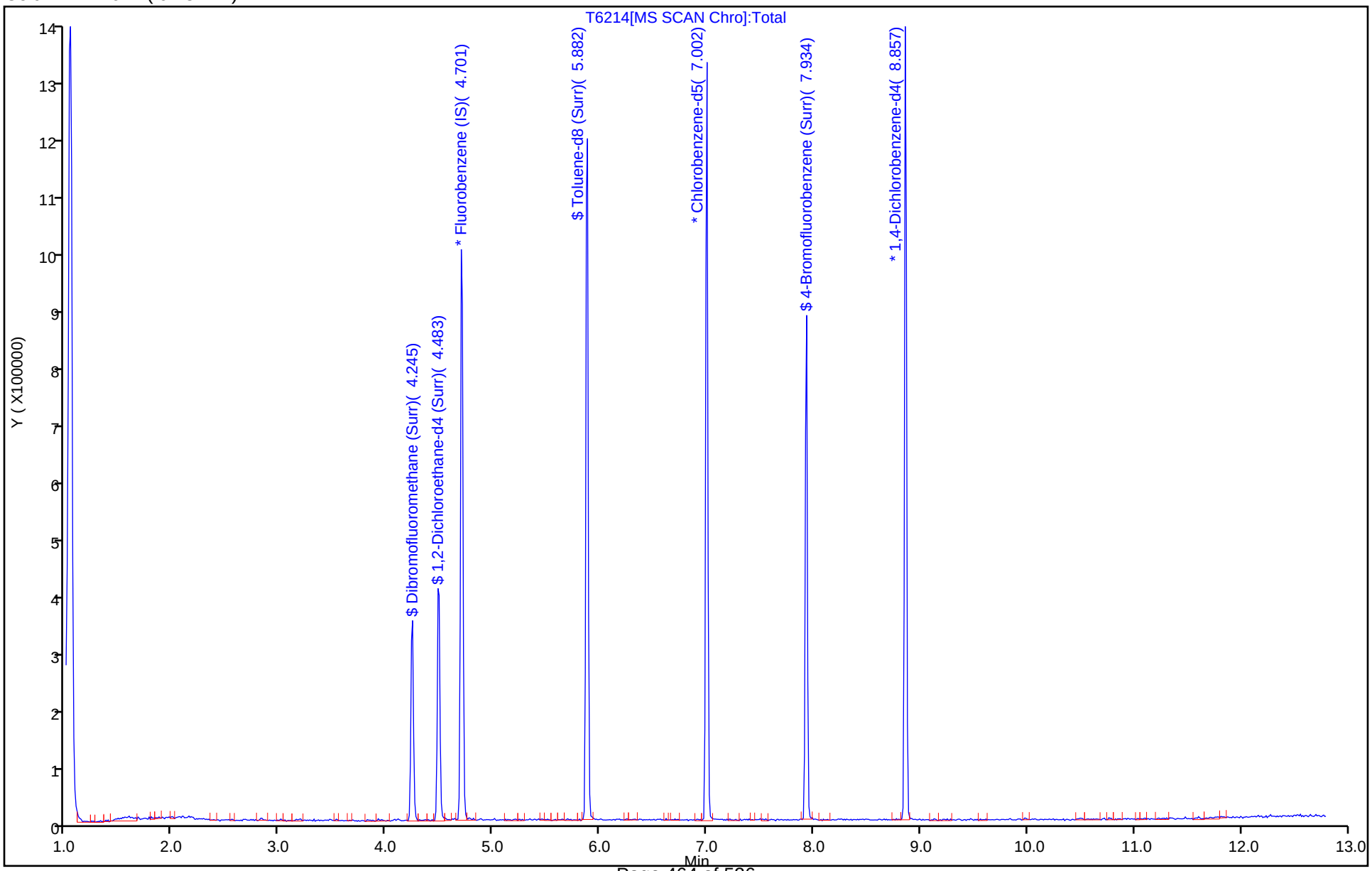
Report Date: 17-Aug-2020 11:39:39 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6214.D

Injection Date:	17-Aug-2020 10:59:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0734.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 19-Aug-2020 09:59:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0092846-007
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Aug-2020 12:45:26 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1040

First Level Reviewer: moffata Date: 19-Aug-2020 12:45:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	179377	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	366461	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	94	362851	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	57	218460	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	92	148721	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.854	6.860	-0.006	94	858492	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	275687	25.0	25.2	
10 Dichlorodifluoromethane	85		1.233					ND	
11 Chlorodifluoromethane	51		1.257					ND	
12 Chloromethane	50		1.410					ND	
151 Butadiene	54		1.495					ND	
13 Vinyl chloride	62		1.507					ND	
14 Bromomethane	94		1.781					ND	U
15 Chloroethane	64		1.860					ND	
16 Dichlorofluoromethane	67		2.085					ND	
17 Trichlorofluoromethane	101		2.097					ND	
18 Ethyl ether	59		2.365					ND	
148 Ethanol	45		2.383					ND	
19 Propene oxide	58		2.456					ND	
20 Acrolein	56		2.547					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.572					ND	
22 1,1-Dichloroethene	96		2.578					ND	
23 Acetone	43		2.705					ND	
25 Iodomethane	142		2.754					ND	
26 Carbon disulfide	76		2.778					ND	
24 Isopropyl alcohol	45		2.900					ND	
28 3-Chloro-1-propene	41		2.949					ND	
27 Methyl acetate	43		3.003					ND	
29 Acetonitrile	40		3.022					ND	U
30 Methylene Chloride	84		3.095					ND	
31 2-Methyl-2-propanol	59		3.277					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.308					ND	
34 trans-1,2-Dichloroethene	96		3.326					ND	
33 Acrylonitrile	53		3.387					ND	
35 Hexane	57		3.514					ND	
39 1,1-Dichloroethane	63		3.746					ND	
36 Isopropyl ether	45		3.758					ND	
40 2-Chloro-1,3-butadiene	53		3.800					ND	
37 Vinyl acetate	43		3.800					ND	
139 Halothane	117		3.822					ND	
38 1,1-Dimethoxyethane	75		3.837					ND	
41 Tert-butyl ethyl ether	59		4.098					ND	
44 2,2-Dichloropropane	77		4.257					ND	
45 cis-1,2-Dichloroethene	96		4.299					ND	
43 2-Butanone (MEK)	43		4.336					ND	
42 Ethyl acetate	43		4.372					ND	
46 Propionitrile	54		4.445					ND	
48 Chlorobromomethane	128		4.537					ND	
49 Tetrahydrofuran	42		4.549					ND	
47 Methacrylonitrile	41		4.555					ND	
50 Chloroform	83		4.616					ND	U
51 1,1,1-Trichloroethane	97		4.719					ND	
52 Cyclohexane	56		4.725					ND	
55 Carbon tetrachloride	117		4.859					ND	
54 1,1-Dichloropropene	75		4.877					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.877					ND	
152 Isooctane	57		5.072					ND	
57 Benzene	78		5.078					ND	
53 Isobutyl alcohol	43		5.108					ND	
58 1,2-Dichloroethane	62		5.151					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
56 Tert-amyl methyl ether	73		5.157					ND	
147 t-Amyl alcohol	59		5.157					ND	
59 n-Heptane	43		5.254					ND	
1 1,4-Difluorobenzene	114		5.461					ND	
62 Trichloroethene	95		5.692					ND	
60 n-Butanol	56		5.729					ND	
64 Methylcyclohexane	83		5.802					ND	
142 Ethyl acrylate	55		5.820					ND	
65 1,2-Dichloropropane	63		5.930					ND	
63 Methyl methacrylate	41		6.033					ND	
67 Dibromomethane	93		6.070					ND	
66 1,4-Dioxane	88		6.076					ND	
68 Dichlorobromomethane	83		6.222					ND	
70 2-Nitropropane	43		6.483					ND	
69 2-Chloroethyl vinyl ether	63		6.502					ND	
71 Epichlorohydrin	57		6.599					ND	
72 cis-1,3-Dichloropropene	75		6.641					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.787					ND	
74 Toluene	92		6.921					ND	
76 2-Methylthiophene	97		7.061					ND	
77 trans-1,3-Dichloropropene	75		7.207					ND	
78 3-Methylthiophene	97		7.225					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.256					ND	
79 1,1,2-Trichloroethane	83		7.396					ND	
81 Tetrachloroethene	166		7.451					ND	
82 1,3-Dichloropropane	76		7.560					ND	
80 2-Hexanone	43		7.627					ND	
155 n-Butyl acetate	43		7.736					ND	
83 Chlorodibromomethane	129		7.791					ND	
84 Ethylene Dibromide	107		7.895					ND	
146 1-Chlorohexane	55		8.320					ND	U
85 3-Chlorobenzotrifluoride	180		8.345					ND	
87 Chlorobenzene	112		8.369					ND	
86 4-Chlorobenzotrifluoride	180		8.406					ND	
88 Ethylbenzene	91		8.460					ND	
89 1,1,1,2-Tetrachloroethane	131		8.467					ND	
90 m-Xylene & p-Xylene	106		8.582					ND	
91 o-Xylene	106		9.008					ND	
92 Styrene	104		9.038					ND	
95 Bromoform	173		9.288					ND	
93 2-Chlorobenzotrifluoride	180		9.324					ND	
94 Isopropylbenzene	105		9.391					ND	
96 Cyclohexanone	55		9.568					ND	
101 Bromobenzene	156		9.738					ND	
97 1,1,2,2-Tetrachloroethane	83		9.805					ND	
99 N-Propylbenzene	91		9.823					ND	
100 1,2,3-Trichloropropane	110		9.835					ND	
98 trans-1,4-Dichloro-2-butene	53		9.854					ND	
103 2-Chlorotoluene	126		9.927					ND	
104 3-Chlorotoluene	126		9.993					ND	
102 1,3,5-Trimethylbenzene	105		10.000					ND	
105 4-Chlorotoluene	126		10.042					ND	
106 tert-Butylbenzene	134		10.322					ND	
107 1,2,4-Trimethylbenzene	105		10.377					ND	
108 Pentachloroethane	167		10.383					ND	
109 sec-Butylbenzene	105		10.529					ND	
111 1,3-Dichlorobenzene	146		10.669					ND	
110 4-Isopropyltoluene	119		10.675					ND	
114 Dicyclopentadiene	66		10.730					ND	
113 1,4-Dichlorobenzene	146		10.754					ND	
112 1,2,3-Trimethylbenzene	105		10.784					ND	
150 Benzyl chloride	126		10.906					ND	
115 n-Butylbenzene	91		11.058					ND	
116 1,2-Dichlorobenzene	146		11.107					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837					ND	
118 1,3,5-Trichlorobenzene	180		11.971					ND	
119 1,2,4-Trichlorobenzene	180		12.512					ND	
120 Hexachlorobutadiene	225		12.622					ND	
121 Naphthalene	128		12.725					ND	
122 1,2,3-Trichlorobenzene	180		12.926					ND	
149 2-Methylnaphthalene	142		13.637					ND	U
137 Methyl acrylate	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

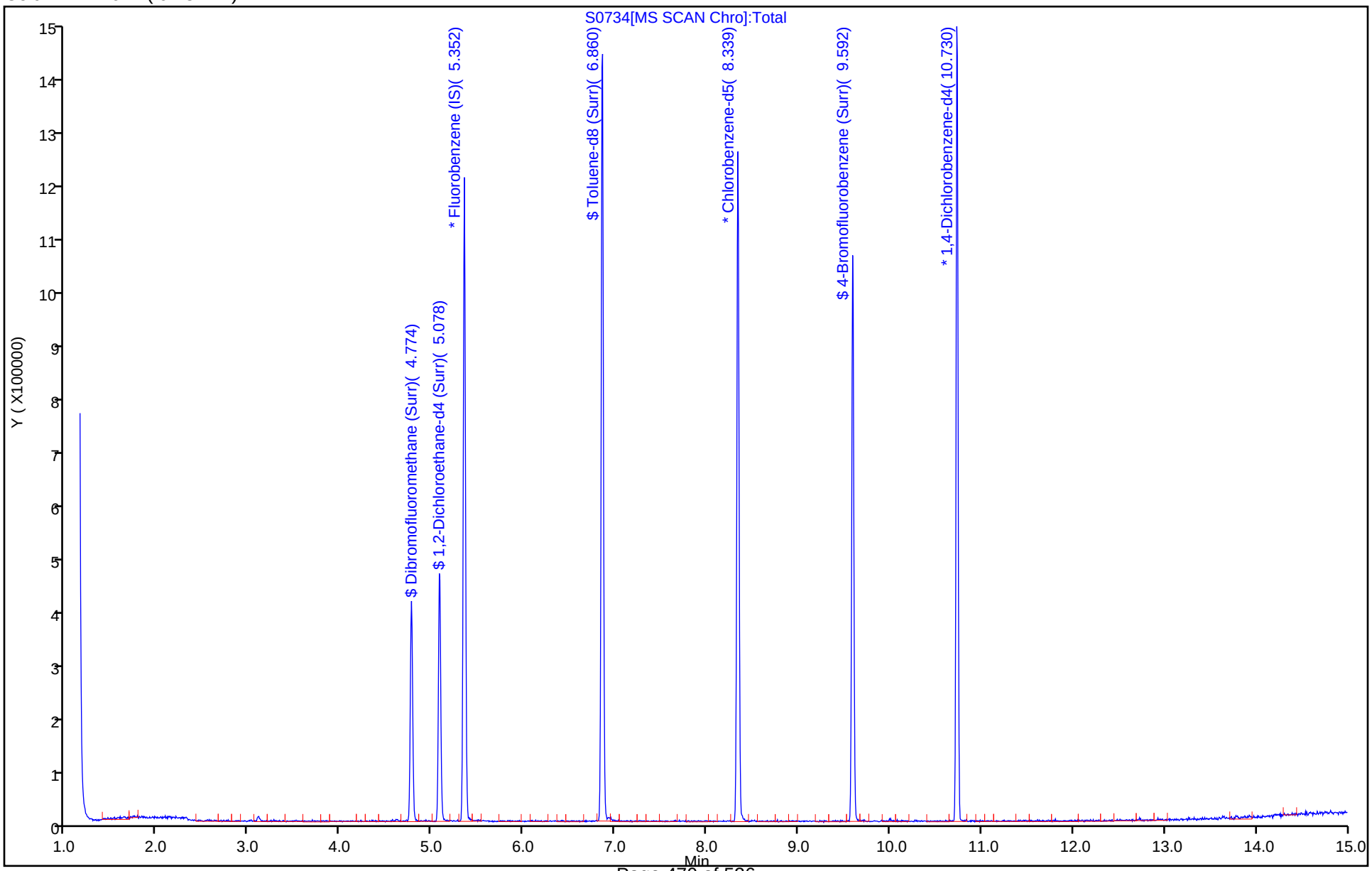
Report Date: 19-Aug-2020 12:45:26 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0734.D

Injection Date:	19-Aug-2020 09:59:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



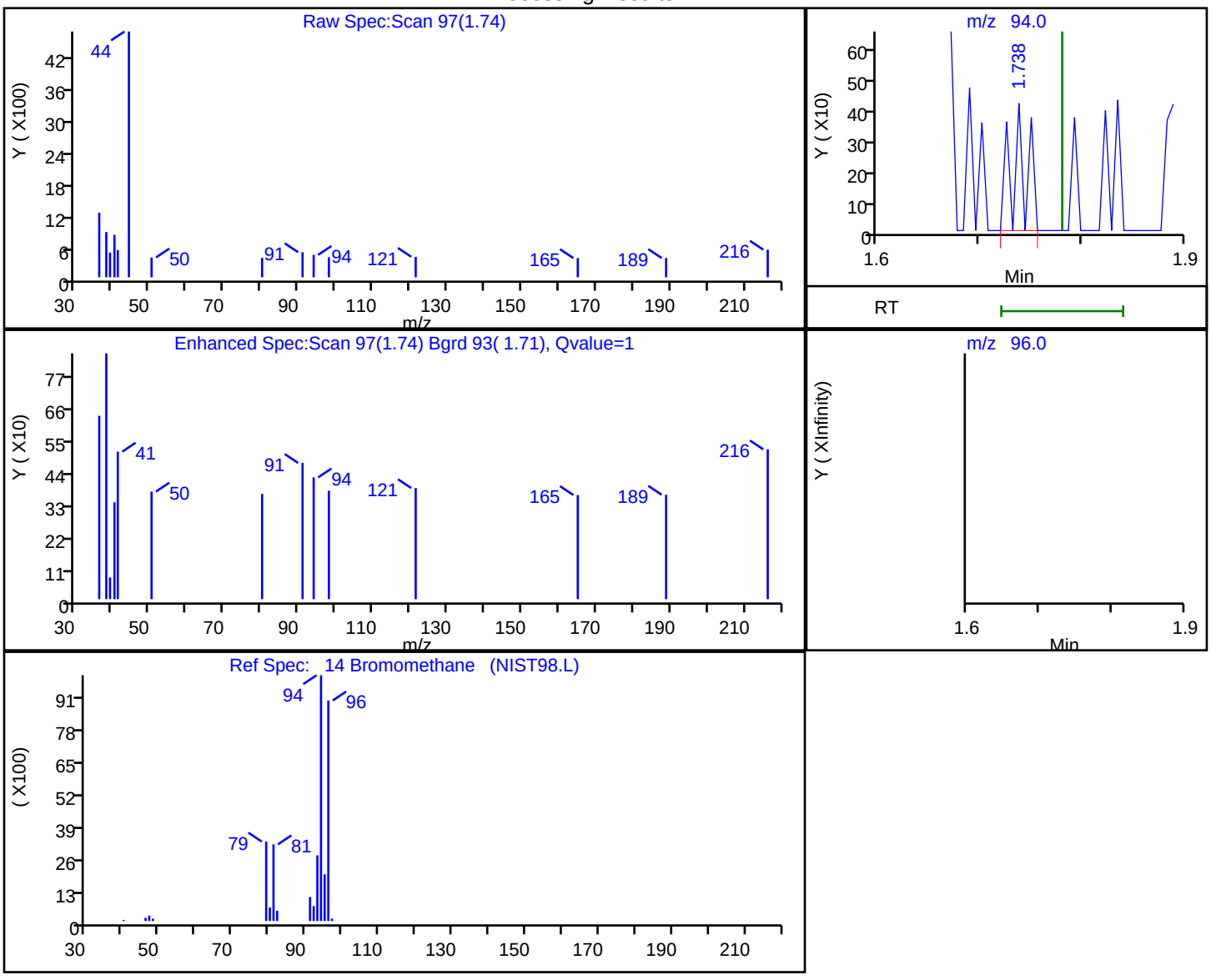
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0734.D				
Injection Date:	19-Aug-2020 09:59:30	Instrument ID:	HP5973S		
Lims ID:	MB				
Client ID:					
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.74	94.00	422	0.050781
1.78	96.00	0	

Reviewer: moffata, 19-Aug-2020 12:44:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

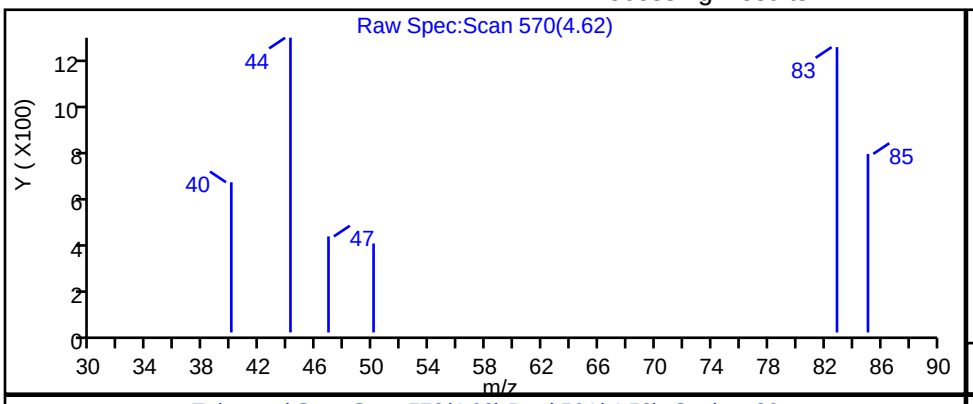
User Disabled Compound Report

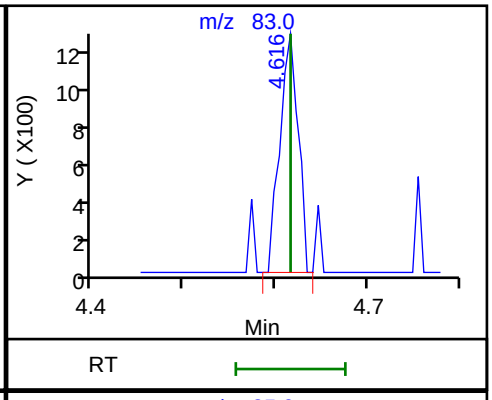
Eurofins TestAmerica, Buffalo

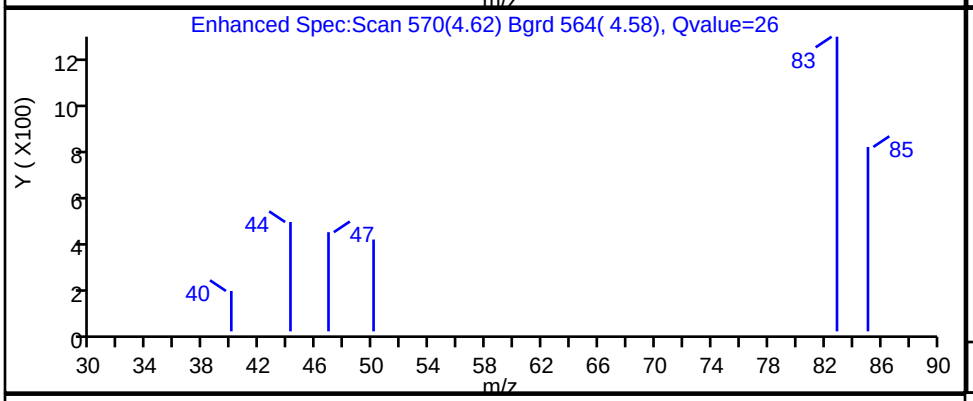
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0734.D
Injection Date: 19-Aug-2020 09:59:30 Instrument ID: HP5973S
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

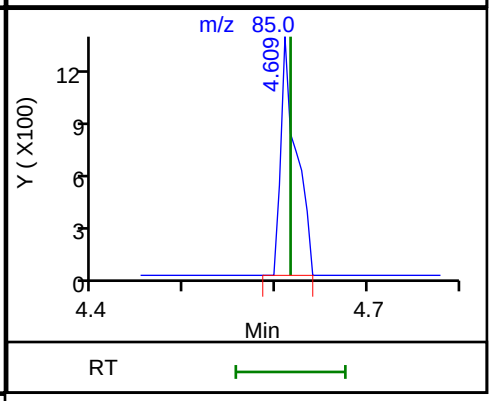
50 Chloroform, CAS: 67-66-3

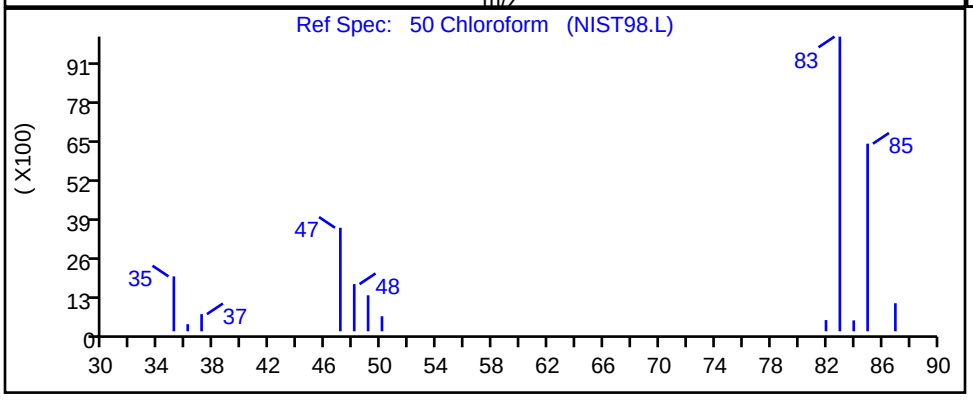
Processing Results











RT	Mass	Response	Amount
4.62	83.00	1734	0.092802
4.61	85.00	1537	

Reviewer: moffata, 19-Aug-2020 12:45:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6268.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 19-Aug-2020 11:08:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: mb
Misc. Info.: 480-0092853-007
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Aug-2020 11:50:52 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1023

First Level Reviewer: farrellr Date: 19-Aug-2020 11:50:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	212343	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.001	0.000	91	853667	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.856	0.000	96	492536	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	286437	25.0	26.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	409721	25.0	28.6	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	96	1011348	25.0	23.7	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	317806	25.0	22.9	
11 Dichlorodifluoromethane	85		1.157					ND	
12 Chlorodifluoromethane	51		1.167					ND	
13 Chloromethane	50		1.312					ND	
151 Butadiene	54		1.385					ND	
14 Vinyl chloride	62		1.395					ND	
15 Bromomethane	94		1.644					ND	
16 Chloroethane	64		1.706					ND	
18 Dichlorofluoromethane	67		1.913					ND	
17 Trichlorofluoromethane	101		1.923					ND	
19 Ethyl ether	59		2.151					ND	
148 Ethanol	45		2.183					ND	U
84 Propene oxide	58		2.234					ND	
21 Acrolein	56		2.328					ND	
22 1,1-Dichloroethene	96		2.359					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.369					ND	
23 Acetone	43	2.462	2.473	-0.011	65	2012		0.3412	
24 Iodomethane	142		2.514					ND	
25 Carbon disulfide	76		2.535					ND	
26 Isopropyl alcohol	45		2.639					ND	
27 3-Chloro-1-propene	41		2.701					ND	
28 Methyl acetate	43		2.742					ND	
29 Acetonitrile	40		2.753					ND	
30 Methylene Chloride	84		2.835					ND	
31 2-Methyl-2-propanol	59		2.991					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73		3.022					ND	
32 trans-1,2-Dichloroethene	96		3.032					ND	
34 Acrylonitrile	53		3.084					ND	
35 Hexane	57		3.188					ND	
36 1,1-Dichloroethane	63		3.385					ND	
37 Isopropyl ether	45		3.395					ND	
139 Halothane	117		3.426					ND	
38 2-Chloro-1,3-butadiene	53		3.436					ND	
39 Vinyl acetate	43		3.436					ND	
40 1,1-Dimethoxyethane	75		3.457					ND	
41 Tert-butyl ethyl ether	59		3.685					ND	
42 2,2-Dichloropropane	77		3.830					ND	
43 cis-1,2-Dichloroethene	96		3.861					ND	
44 2-Butanone (MEK)	43		3.882					ND	
45 Ethyl acetate	43		3.903					ND	
46 Propionitrile	54		3.975					ND	
47 Chlorobromomethane	128		4.058					ND	
48 Tetrahydrofuran	42		4.058					ND	
49 Methacrylonitrile	41		4.058					ND	
50 Chloroform	83	4.110	4.120	-0.010	48	2740		0.1286	
51 1,1,1-Trichloroethane	97		4.203					ND	
52 Cyclohexane	56		4.214					ND	
53 Carbon tetrachloride	117		4.317					ND	
54 1,1-Dichloropropene	75		4.328					ND	
152 Isooctane	57		4.483					ND	
55 Benzene	78		4.494					ND	
56 Isobutyl alcohol	43		4.514					ND	
57 1,2-Dichloroethane	62		4.545					ND	
147 t-Amyl alcohol	59		4.556					ND	
58 Tert-amyl methyl ether	73		4.556					ND	
59 n-Heptane	43		4.628					ND	
1 1,4-Difluorobenzene	114		4.794					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.887					ND	
60 Trichloroethene	95		4.981					ND	
61 n-Butanol	56		5.001					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.063					ND	
142 Ethyl acrylate	55		5.063					ND	
62 Methylcyclohexane	83		5.063					ND	
63 1,2-Dichloropropane	63		5.167					ND	
64 Methyl methacrylate	41		5.240					ND	
65 Dibromomethane	93		5.271					ND	
66 1,4-Dioxane	88		5.271					ND	
67 Dichlorobromomethane	83		5.395					ND	
68 2-Nitropropane	43		5.582					ND	
69 2-Chloroethyl vinyl ether	63		5.602					ND	
70 Epichlorohydrin	57		5.675					ND	
71 cis-1,3-Dichloropropene	75		5.706					ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.820					ND	
73 Toluene	92		5.934					ND	
74 2-Methylthiophene	97		6.038					ND	
75 trans-1,3-Dichloropropene	75		6.141					ND	
76 3-Methylthiophene	97		6.162					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
77 Ethyl methacrylate	69		6.172					ND	
78 1,1,2-Trichloroethane	83		6.286					ND	
79 Tetrachloroethene	166		6.328					ND	
80 1,3-Dichloropropane	76		6.411					ND	
81 2-Hexanone	43		6.452					ND	
155 n-Butyl acetate	43		6.525					ND	
82 Chlorodibromomethane	129		6.587					ND	
83 Ethylene Dibromide	107		6.670					ND	
146 1-Chlorohexane	55		6.970					ND	U
85 3-Chlorobenzotrifluoride	180		6.991					ND	
86 Chlorobenzene	112		7.022					ND	
87 4-Chlorobenzotrifluoride	180		7.032					ND	
88 Ethylbenzene	91		7.084					ND	
89 1,1,1,2-Tetrachloroethane	131		7.095					ND	
90 m-Xylene & p-Xylene	106		7.178					ND	
91 o-Xylene	106		7.488					ND	
92 Styrene	104		7.520					ND	
93 Bromoform	173		7.706					ND	
94 2-Chlorobenzotrifluoride	180		7.716					ND	
95 Isopropylbenzene	105		7.779					ND	
96 Cyclohexanone	55		7.913					ND	U
97 Bromobenzene	156		8.048					ND	
98 1,1,2,2-Tetrachloroethane	83		8.089					ND	
99 N-Propylbenzene	91		8.100					ND	
101 trans-1,4-Dichloro-2-butene	53		8.121					ND	
100 1,2,3-Trichloropropane	110		8.121					ND	
105 2-Chlorotoluene	126		8.193					ND	
104 1,3,5-Trimethylbenzene	105		8.245					ND	
103 3-Chlorotoluene	126		8.245					ND	
102 4-Chlorotoluene	91		8.286					ND	
106 tert-Butylbenzene	134		8.504					ND	
107 1,2,4-Trimethylbenzene	105		8.556					ND	
108 Pentachloroethane	167		8.566					ND	
109 sec-Butylbenzene	105		8.680					ND	
111 4-Isopropyltoluene	119		8.805					ND	
110 1,3-Dichlorobenzene	146		8.805					ND	
112 Dicyclopentadiene	66		8.856					ND	U
113 1,4-Dichlorobenzene	146		8.877					ND	
114 1,2,3-Trimethylbenzene	105		8.898					ND	
150 Benzyl chloride	126		9.012					ND	
115 n-Butylbenzene	91		9.136					ND	
116 1,2-Dichlorobenzene	146		9.188					ND	
117 1,2-Dibromo-3-Chloropropane	75		9.862					ND	
118 1,3,5-Trichlorobenzene	180		9.986					ND	
119 1,2,4-Trichlorobenzene	180		10.504					ND	
120 Hexachlorobutadiene	225		10.608					ND	
121 Naphthalene	128		10.722					ND	
122 1,2,3-Trichlorobenzene	180		10.908					ND	
149 2-Methylnaphthalene	142		11.592					ND	
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
145 Ethylene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

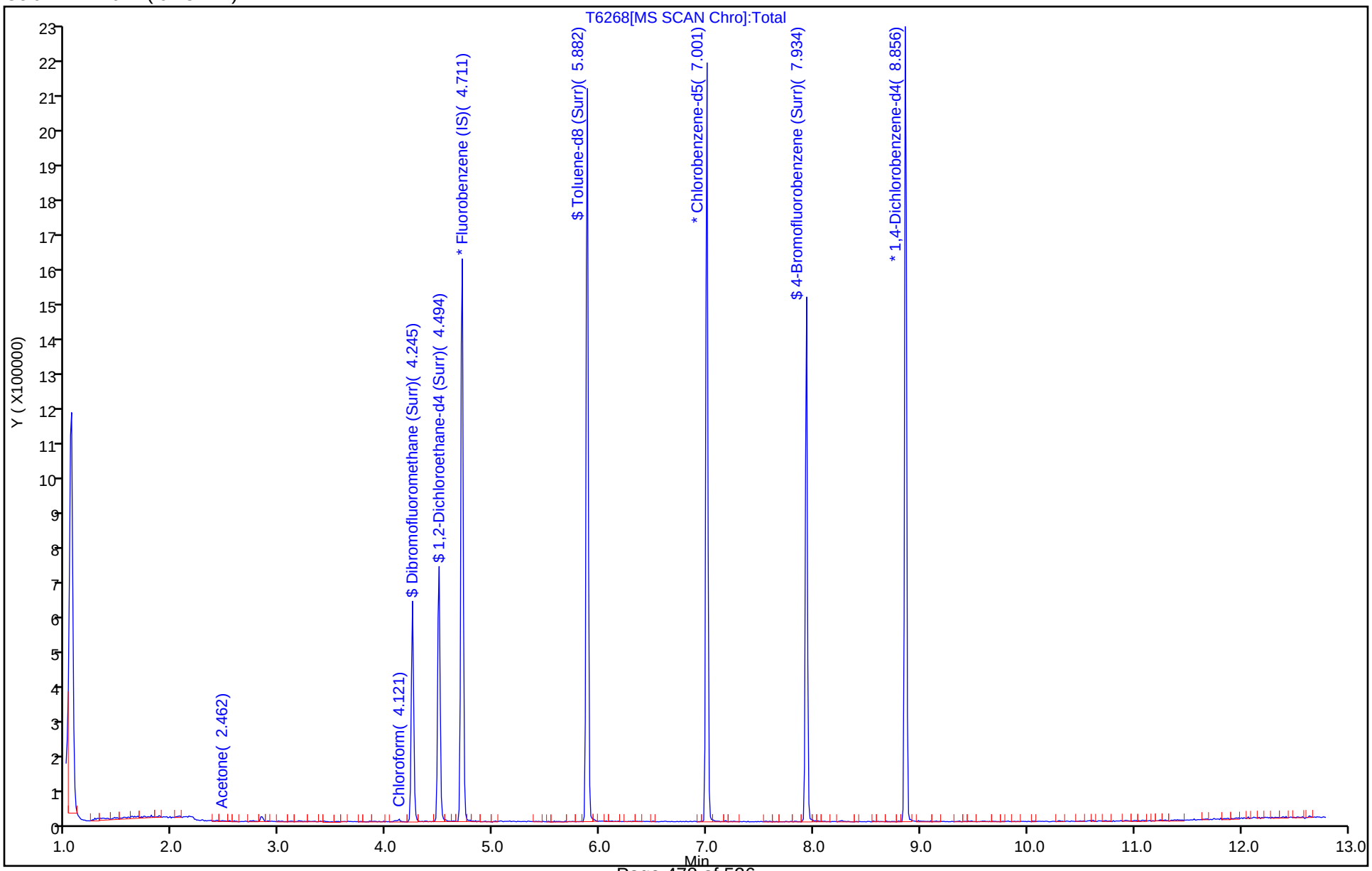
Report Date: 19-Aug-2020 11:50:53 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6268.D

Injection Date:	19-Aug-2020 11:08:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6212.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 17-Aug-2020 10:11:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0092795-005
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Aug-2020 09:13:39 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1023

First Level Reviewer: farrellr Date: 17-Aug-2020 11:36:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	135891	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.002	7.002	0.000	89	546535	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.857	8.857	0.001	96	321915	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.236	0.000	93	175896	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	244381	25.0	26.7	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	664358	25.0	24.3	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	209336	25.0	23.6	
11 Dichlorodifluoromethane	85	1.157	1.167	-0.010	99	298642	25.0	34.2	
13 Chloromethane	50	1.312	1.322	-0.010	100	409386	25.0	30.8	
14 Vinyl chloride	62	1.395	1.395	0.000	98	277633	25.0	25.4	
151 Butadiene	54	1.385	1.392	-0.010	94	325457	25.0	29.0	
15 Bromomethane	94	1.644	1.654	-0.010	92	174687	25.0	27.7	
16 Chloroethane	64	1.706	1.716	-0.010	96	178214	25.0	28.3	
18 Dichlorofluoromethane	67	1.913	1.924	-0.011	95	365894	25.0	26.9	
17 Trichlorofluoromethane	101	1.924	1.934	-0.010	74	350213	25.0	28.2	
19 Ethyl ether	59	2.152	2.162	-0.010	97	217560	25.0	27.0	
21 Acrolein	56	2.328	2.338	-0.010	99	192508	125.0	210.8	
22 1,1-Dichloroethene	96	2.359	2.369	-0.010	91	171819	25.0	27.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.369	2.369	0.000	55	192998	25.0	28.5	
23 Acetone	43	2.473	2.473	0.000	98	541503	125.0	143.5	
24 Iodomethane	142	2.504	2.514	-0.010	98	317520	25.0	26.2	
25 Carbon disulfide	76	2.535	2.545	-0.010	99	581809	25.0	28.0	
27 3-Chloro-1-propene	41	2.701	2.701	0.000	85	409955	25.0	29.1	
28 Methyl acetate	43	2.732	2.742	-0.010	100	470263	50.0	51.1	
30 Methylene Chloride	84	2.825	2.835	-0.010	93	203782	25.0	25.6	
31 2-Methyl-2-propanol	59	2.991	2.991	0.000	98	324205	250.0	304.3	
33 Methyl tert-butyl ether	73	3.012	3.022	-0.010	95	583331	25.0	28.0	
32 trans-1,2-Dichloroethene	96	3.022	3.032	-0.010	92	206645	25.0	29.5	
34 Acrylonitrile	53	3.084	3.084	0.000	99	1340377	250.0	285.2	
35 Hexane	57	3.188	3.198	-0.010	96	455763	25.0	31.9	
36 1,1-Dichloroethane	63	3.385	3.395	-0.010	97	429254	25.0	29.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.437	3.437	0.000	97	1232158	50.0	62.6	
42 2,2-Dichloropropane	77	3.830	3.841	-0.011	88	259807	25.0	30.1	
43 cis-1,2-Dichloroethene	96	3.862	3.861	0.001	87	219773	25.0	28.6	
44 2-Butanone (MEK)	43	3.882	3.893	-0.010	97	867350	125.0	155.4	
47 Chlorobromomethane	128	4.048	4.058	-0.010	90	114828	25.0	26.0	
48 Tetrahydrofuran	42	4.058	4.069	-0.011	93	220096	50.0	55.1	
50 Chloroform	83	4.121	4.120	0.001	97	364507	25.0	26.7	
52 Cyclohexane	56	4.214	4.214	0.000	93	527419	25.0	31.5	
51 1,1,1-Trichloroethane	97	4.214	4.214	0.000	95	307363	25.0	27.9	
53 Carbon tetrachloride	117	4.318	4.317	0.001	96	279795	25.0	29.5	
54 1,1-Dichloropropene	75	4.328	4.328	0.000	89	284722	25.0	29.5	
55 Benzene	78	4.494	4.494	0.000	93	746769	25.0	27.5	
56 Isobutyl alcohol	43	4.514	4.514	0.000	94	338126	625.0	744.1	
57 1,2-Dichloroethane	62	4.546	4.556	-0.010	96	372723	25.0	27.9	
59 n-Heptane	43	4.628	4.628	0.000	96	495642	25.0	32.8	
60 Trichloroethene	95	4.970	4.981	-0.011	95	212404	25.0	29.3	
62 Methylcyclohexane	83	5.064	5.074	-0.010	97	330506	25.0	27.0	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	88	217575	25.0	26.2	
65 Dibromomethane	93	5.271	5.281	-0.010	95	129340	25.0	26.4	
66 1,4-Dioxane	88	5.271	5.281	-0.010	41	41085	500.0	468.9	
67 Dichlorobromomethane	83	5.395	5.395	0.000	97	275543	25.0	29.6	
69 2-Chloroethyl vinyl ether	63	5.603	5.602	0.001	91	153917	25.0	26.3	
71 cis-1,3-Dichloropropene	75	5.706	5.716	-0.010	87	309587	25.0	29.4	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	1751388	125.0	143.3	
73 Toluene	92	5.924	5.934	-0.010	97	501134	25.0	26.3	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	97	293751	25.0	27.4	
77 Ethyl methacrylate	69	6.173	6.172	0.000	94	257528	25.0	25.6	
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	93	160130	25.0	25.5	
79 Tetrachloroethene	166	6.328	6.328	0.000	96	230985	25.0	25.8	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	97	318984	25.0	25.5	
81 2-Hexanone	43	6.452	6.452	0.000	99	1258384	125.0	148.7	
82 Chlorodibromomethane	129	6.587	6.587	0.000	90	203179	25.0	25.2	
83 Ethylene Dibromide	107	6.670	6.670	0.000	99	195927	25.0	25.1	
86 Chlorobenzene	112	7.022	7.022	0.000	93	557647	25.0	25.6	
88 Ethylbenzene	91	7.084	7.084	0.000	98	916786	25.0	26.5	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	91	189360	25.0	26.2	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	364133	25.0	26.7	
91 o-Xylene	106	7.489	7.499	-0.010	98	349759	25.0	25.6	
92 Styrene	104	7.520	7.520	0.000	94	593272	25.0	26.4	
93 Bromoform	173	7.706	7.706	0.000	96	135480	25.0	25.5	
95 Isopropylbenzene	105	7.779	7.779	0.000	97	911990	25.0	27.4	
97 Bromobenzene	156	8.048	8.048	0.000	94	246152	25.0	26.3	
98 1,1,2,2-Tetrachloroethane	83	8.090	8.090	0.000	93	263636	25.0	24.2	
99 N-Propylbenzene	91	8.100	8.110	-0.010	99	1120259	25.0	27.8	
100 1,2,3-Trichloropropane	110	8.121	8.121	0.000	91	87414	25.0	24.9	
101 trans-1,4-Dichloro-2-butene	53	8.121	8.121	0.000	83	114355	25.0	30.5	
105 2-Chlorotoluene	126	8.193	8.193	0.000	96	224517	25.0	25.8	
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	95	804674	25.0	27.8	
102 4-Chlorotoluene	91	8.287	8.286	0.001	98	805675	25.0	27.9	
106 tert-Butylbenzene	134	8.504	8.504	0.000	95	168411	25.0	26.5	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	98	809863	25.0	27.7	
109 sec-Butylbenzene	105	8.680	8.680	0.000	95	1033116	25.0	26.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	8.805	8.805	0.000	98	481011	25.0	25.6	
111 4-Isopropyltoluene	119	8.794	8.805	-0.011	98	927190	25.0	27.8	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	94	501123	25.0	25.5	
115 n-Butylbenzene	91	9.136	9.136	0.000	98	810571	25.0	26.8	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	97	487100	25.0	25.8	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	81	46871	25.0	25.0	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	95	340417	25.0	24.6	
120 Hexachlorobutadiene	225	10.608	10.608	0.000	97	180061	25.0	25.1	
121 Naphthalene	128	10.722	10.722	0.000	97	856937	25.0	24.4	
122 1,2,3-Trichlorobenzene	180	10.908	10.919	-0.011	96	346798	25.0	25.2	

Reagents:

8260 CORP mix_00191	Amount Added: 12.50	Units: uL	
GAS CORP mix_00413	Amount Added: 12.50	Units: uL	
T_8260_Surr_00209	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added: 1.00	Units: uL	Run Reagent

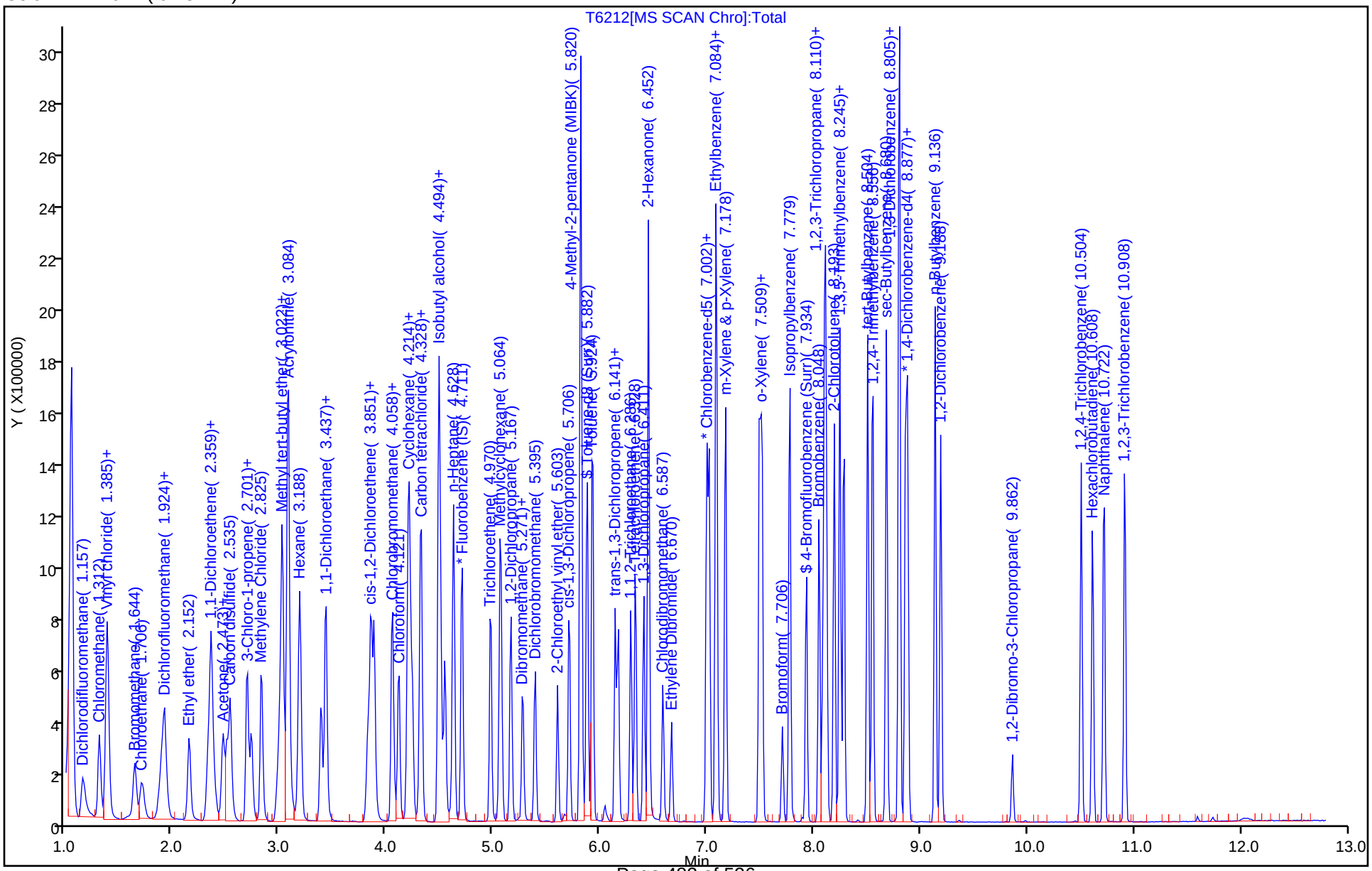
Report Date: 17-Aug-2020 11:36:26 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6212.D

Injection Date:	17-Aug-2020 10:11:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0732.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 19-Aug-2020 09:13:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0092846-005
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Aug-2020 09:41:25 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1040

First Level Reviewer: moffata Date: 19-Aug-2020 10:09:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	174831	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	86	368673	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	63	344089	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	59	206820	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	49	138636	25.0	24.2	
$ 5 Toluene-d8 (Surr)	98	6.854	6.860	-0.006	90	840649	25.0	24.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	263942	25.0	24.0	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	98	324686	25.0	26.8	
12 Chloromethane	50	1.410	1.410	0.000	89	338751	25.0	24.8	
151 Butadiene	54	1.495	1.495	0.000	90	341651	25.0	26.3	
13 Vinyl chloride	62	1.507	1.507	0.000	75	324419	25.0	26.7	
14 Bromomethane	94	1.775	1.781	-0.006	89	183975	25.0	22.7	
15 Chloroethane	64	1.860	1.860	0.000	94	195117	25.0	24.3	
16 Dichlorofluoromethane	67	2.085	2.085	0.000	82	440236	25.0	25.6	
17 Trichlorofluoromethane	101	2.091	2.097	-0.006	60	413119	25.0	26.4	
18 Ethyl ether	59	2.365	2.365	0.000	92	258633	25.0	26.0	
20 Acrolein	56	2.547	2.547	0.000	99	225732	125.0	119.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.571	2.572	-0.001	60	232507	25.0	28.2	
22 1,1-Dichloroethene	96	2.578	2.578	0.000	87	216389	25.0	26.3	
23 Acetone	43	2.705	2.705	0.000	99	590323	125.0	117.0	
25 Iodomethane	142	2.736	2.754	-0.018	99	366865	25.0	24.4	
26 Carbon disulfide	76	2.772	2.778	-0.006	99	753455	25.0	26.3	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	85	430693	25.0	25.2	
27 Methyl acetate	43	3.003	3.003	0.000	96	541203	50.0	48.5	
30 Methylene Chloride	84	3.101	3.095	0.006	90	257564	25.0	26.0	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	94	370154	250.0	222.9	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	93	797944	25.0	24.3	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	92	244494	25.0	25.0	
33 Acrylonitrile	53	3.387	3.387	0.000	99	1390489	250.0	246.8	
35 Hexane	57	3.514	3.514	0.000	94	421054	25.0	27.1	
39 1,1-Dichloroethane	63	3.746	3.746	0.000	85	438921	25.0	24.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.800	3.800	0.000	97	1116343	50.0	48.6	
44 2,2-Dichloropropane	77	4.263	4.257	0.006	92	264807	25.0	26.2	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	68	277782	25.0	25.1	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	94	916752	125.0	122.8	
48 Chlorobromomethane	128	4.536	4.537	-0.001	96	140651	25.0	24.6	
49 Tetrahydrofuran	42	4.555	4.549	0.006	88	247640	50.0	46.7	
50 Chloroform	83	4.616	4.616	0.000	80	444840	25.0	24.4	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	87	367029	25.0	25.6	
52 Cyclohexane	56	4.725	4.725	0.000	94	481577	25.0	27.2	
55 Carbon tetrachloride	117	4.859	4.859	0.000	90	293506	25.0	25.1	
54 1,1-Dichloropropene	75	4.871	4.877	-0.006	91	349896	25.0	25.7	
57 Benzene	78	5.078	5.078	0.000	97	1045260	25.0	24.8	
53 Isobutyl alcohol	43	5.108	5.108	0.000	92	332147	625.0	575.1	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	72	384385	25.0	24.2	
59 n-Heptane	43	5.254	5.254	0.000	93	455373	25.0	27.2	
62 Trichloroethene	95	5.686	5.692	-0.006	96	266386	25.0	25.4	
64 Methylcyclohexane	83	5.802	5.802	0.000	93	475452	25.0	27.4	
65 1,2-Dichloropropane	63	5.936	5.930	0.006	90	261447	25.0	25.2	
67 Dibromomethane	93	6.070	6.070	0.000	91	173297	25.0	26.1	
66 1,4-Dioxane	88	6.076	6.076	0.000	54	86759	500.0	514.7	
68 Dichlorobromomethane	83	6.222	6.222	0.000	92	323750	25.0	24.7	
69 2-Chloroethyl vinyl ether	63	6.508	6.502	0.006	93	199652	25.0	25.7	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	86	421061	25.0	25.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	1870272	125.0	122.8	
74 Toluene	92	6.921	6.921	0.000	94	682913	25.0	25.1	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	94	400445	25.0	24.8	
75 Ethyl methacrylate	69	7.256	7.256	0.000	73	357990	25.0	24.8	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	88	211226	25.0	24.3	
81 Tetrachloroethene	166	7.451	7.451	0.000	79	279476	25.0	25.5	
82 1,3-Dichloropropane	76	7.560	7.560	0.000	95	437290	25.0	24.9	
80 2-Hexanone	43	7.627	7.627	0.000	96	1311140	125.0	124.8	
83 Chlorodibromomethane	129	7.791	7.791	0.000	87	240892	25.0	25.0	
84 Ethylene Dibromide	107	7.895	7.895	0.000	99	257951	25.0	24.4	
87 Chlorobenzene	112	8.369	8.369	0.000	92	741753	25.0	24.9	
88 Ethylbenzene	91	8.460	8.460	0.000	98	1282475	25.0	25.2	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.467	0.000	41	231217	25.0	24.5	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	98	509749	25.0	26.3	
91 o-Xylene	106	9.008	9.008	0.000	97	499101	25.0	25.4	
92 Styrene	104	9.038	9.038	0.000	94	835818	25.0	25.7	
95 Bromoform	173	9.288	9.288	0.000	94	144606	25.0	23.5	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1309343	25.0	26.3	
101 Bromobenzene	156	9.738	9.738	0.000	96	321341	25.0	26.5	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	93	356430	25.0	25.2	
99 N-Propylbenzene	91	9.823	9.823	0.000	99	1594221	25.0	26.8	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	62	117696	25.0	24.2	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	85	120776	25.0	24.7	
103 2-Chlorotoluene	126	9.927	9.927	0.000	96	307274	25.0	25.7	
102 1,3,5-Trimethylbenzene	105	10.000	10.000	0.000	84	1122056	25.0	26.2	
105 4-Chlorotoluene	126	10.042	10.042	0.000	96	312579	25.0	25.6	
106 tert-Butylbenzene	134	10.322	10.322	0.000	91	234260	25.0	25.6	
107 1,2,4-Trimethylbenzene	105	10.377	10.377	0.000	35	1139045	25.0	26.7	
109 sec-Butylbenzene	105	10.529	10.529	0.000	95	1439451	25.0	26.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	70	624693	25.0	25.8	
110 4-Isopropyltoluene	119	10.669	10.675	-0.006	97	1267755	25.0	27.1	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	92	633287	25.0	25.4	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	1148662	25.0	27.2	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	92	613505	25.0	25.6	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.837	0.006	78	67809	25.0	24.2	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	92	448020	25.0	25.7	
120 Hexachlorobutadiene	225	12.622	12.622	0.000	93	194510	25.0	27.6	
121 Naphthalene	128	12.725	12.725	0.000	97	1322230	25.0	25.4	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	93	427757	25.0	25.2	

Reagents:

8260 CORP mix_00191	Amount Added: 12.50	Units: uL	
GAS CORP mix_00413	Amount Added: 12.50	Units: uL	
S_8260_IS_00339	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added: 1.00	Units: uL	Run Reagent

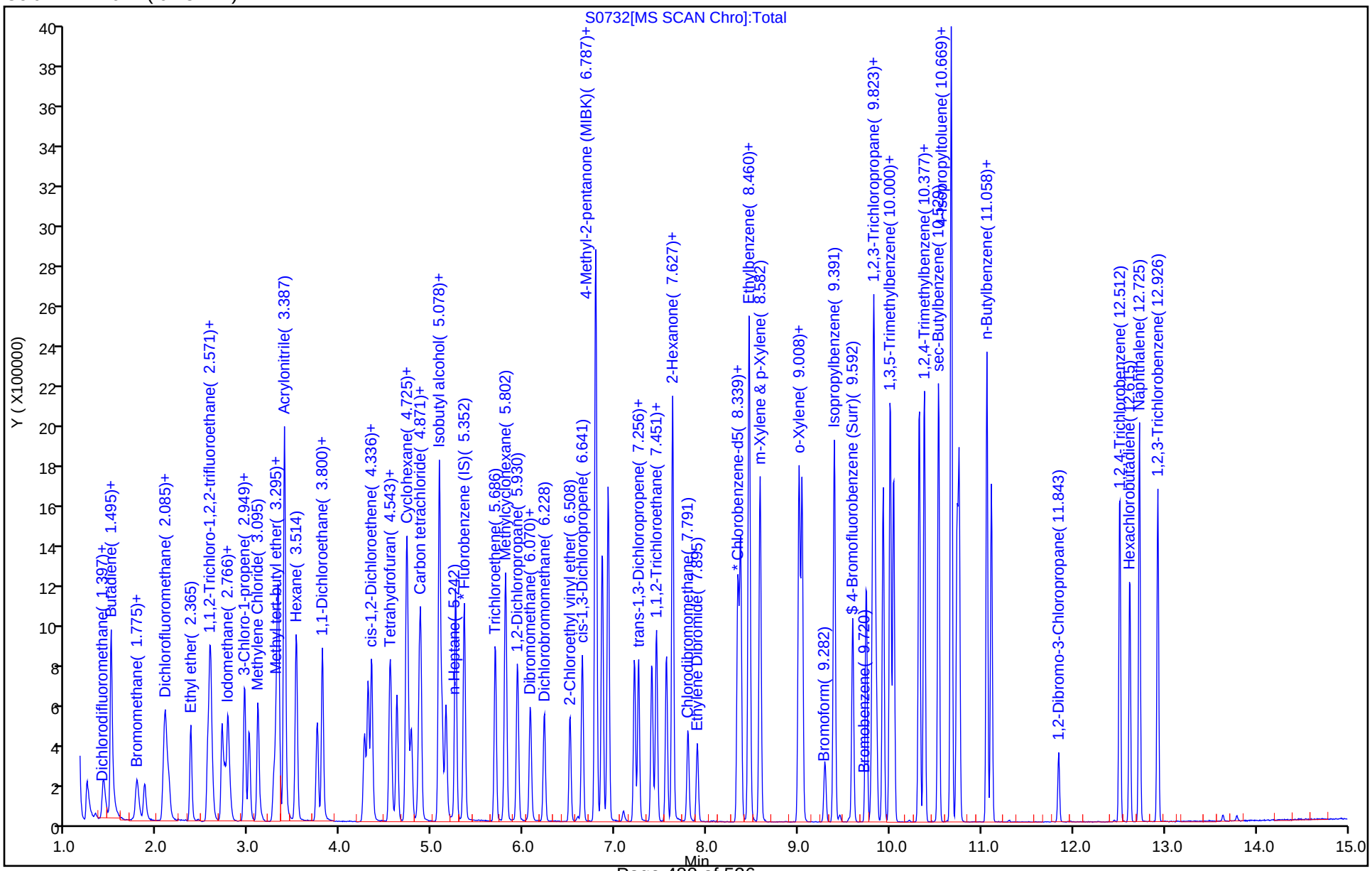
Report Date: 19-Aug-2020 10:09:55 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0732.D

Injection Date:	19-Aug-2020 09:13:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6266.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 19-Aug-2020 10:20:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: lcs
Misc. Info.: 480-0092853-005
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Aug-2020 11:22:17 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1023

First Level Reviewer: farrellr Date: 19-Aug-2020 11:22:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	97	239530	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.001	0.000	91	847064	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.856	0.000	95	506980	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	301773	25.0	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	431803	25.0	26.7	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	96	1057600	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	324070	25.0	23.6	
11 Dichlorodifluoromethane	85	1.157	1.157	0.000	99	418596	25.0	27.2	
13 Chloromethane	50	1.312	1.312	0.000	99	584609	25.0	24.9	
151 Butadiene	54	1.385	1.385	0.000	92	497171	25.0	25.2	
14 Vinyl chloride	62	1.395	1.395	0.000	97	429491	25.0	22.3	
15 Bromomethane	94	1.644	1.644	0.000	93	275674	25.0	24.8	
16 Chloroethane	64	1.706	1.706	0.000	96	276347	25.0	24.9	
18 Dichlorofluoromethane	67	1.913	1.913	0.000	95	582089	25.0	24.3	
17 Trichlorofluoromethane	101	1.923	1.923	0.000	70	555923	25.0	25.4	
19 Ethyl ether	59	2.151	2.151	0.000	96	366909	25.0	25.8	
21 Acrolein	56	2.328	2.328	0.000	98	314347	125.0	195.2	
22 1,1-Dichloroethene	96	2.359	2.359	0.000	91	281776	25.0	25.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.359	2.369	-0.010	59	325542	25.0	27.3	
23 Acetone	43	2.473	2.473	0.000	98	858613	125.0	129.1	
24 Iodomethane	142	2.514	2.514	0.000	98	544746	25.0	25.5	
25 Carbon disulfide	76	2.535	2.535	0.000	99	977876	25.0	26.7	
27 3-Chloro-1-propene	41	2.701	2.701	0.000	86	721488	25.0	29.0	
28 Methyl acetate	43	2.732	2.742	-0.010	100	839973	50.0	51.7	
30 Methylene Chloride	84	2.835	2.835	0.000	94	343550	25.0	24.4	
31 2-Methyl-2-propanol	59	2.991	2.991	0.000	97	532496	250.0	283.6	
33 Methyl tert-butyl ether	73	3.012	3.022	-0.010	95	958337	25.0	26.1	
32 trans-1,2-Dichloroethene	96	3.022	3.032	-0.010	91	328699	25.0	26.6	
34 Acrylonitrile	53	3.084	3.084	0.000	98	2060606	250.0	248.7	
35 Hexane	57	3.188	3.188	0.000	96	686585	25.0	27.3	
36 1,1-Dichloroethane	63	3.385	3.385	0.000	97	664717	25.0	25.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.436	3.436	0.000	97	1947105	50.0	56.2	
42 2,2-Dichloropropane	77	3.830	3.830	0.000	85	444408	25.0	29.2	
43 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	85	360977	25.0	26.6	
44 2-Butanone (MEK)	43	3.882	3.882	0.000	97	1342690	125.0	136.5	
47 Chlorobromomethane	128	4.048	4.058	-0.010	90	188576	25.0	24.2	
48 Tetrahydrofuran	42	4.058	4.058	0.000	93	353117	50.0	50.1	
50 Chloroform	83	4.120	4.120	0.000	97	615991	25.0	25.6	
51 1,1,1-Trichloroethane	97	4.203	4.203	0.000	96	548906	25.0	28.2	
52 Cyclohexane	56	4.214	4.214	0.000	95	813523	25.0	27.6	
53 Carbon tetrachloride	117	4.317	4.317	0.000	96	460669	25.0	27.5	
54 1,1-Dichloropropene	75	4.328	4.328	0.000	89	468859	25.0	27.5	
55 Benzene	78	4.494	4.494	0.000	93	1344652	25.0	28.1	
56 Isobutyl alcohol	43	4.504	4.514	-0.010	94	666086	625.0	831.6	
57 1,2-Dichloroethane	62	4.545	4.545	0.000	96	646636	25.0	27.5	
59 n-Heptane	43	4.628	4.628	0.000	97	960323	25.0	36.0	
60 Trichloroethene	95	4.970	4.981	-0.011	95	347617	25.0	27.2	
62 Methylcyclohexane	83	5.063	5.063	0.000	96	617434	25.0	28.6	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	92	434761	25.0	29.7	
65 Dibromomethane	93	5.271	5.271	0.000	96	222129	25.0	25.7	
66 1,4-Dioxane	88	5.281	5.271	0.010	43	74540	500.0	547.6	
67 Dichlorobromomethane	83	5.395	5.395	0.000	97	440284	25.0	26.9	
69 2-Chloroethyl vinyl ether	63	5.602	5.602	0.000	91	272700	25.0	26.4	
71 cis-1,3-Dichloropropene	75	5.706	5.706	0.000	90	497250	25.0	26.8	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	2820613	125.0	148.9	
73 Toluene	92	5.924	5.934	-0.010	97	779130	25.0	26.4	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	98	452877	25.0	27.2	
77 Ethyl methacrylate	69	6.172	6.172	0.000	93	405175	25.0	26.0	
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	95	252565	25.0	25.9	
79 Tetrachloroethene	166	6.328	6.328	0.000	95	348832	25.0	25.2	
80 1,3-Dichloropropane	76	6.411	6.411	0.000	98	510574	25.0	26.3	
81 2-Hexanone	43	6.452	6.452	0.000	99	1999381	125.0	152.5	
82 Chlorodibromomethane	129	6.587	6.587	0.000	90	320236	25.0	25.6	
83 Ethylene Dibromide	107	6.670	6.670	0.000	97	305302	25.0	25.2	
86 Chlorobenzene	112	7.022	7.022	0.000	92	862467	25.0	25.5	
88 Ethylbenzene	91	7.084	7.084	0.000	98	1458990	25.0	27.2	
89 1,1,1,2-Tetrachloroethane	131	7.095	7.095	0.000	91	288866	25.0	25.8	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	568871	25.0	26.9	
91 o-Xylene	106	7.488	7.488	0.000	99	546297	25.0	25.8	
92 Styrene	104	7.520	7.520	0.000	95	926315	25.0	26.6	
93 Bromoform	173	7.706	7.706	0.000	95	201181	25.0	24.4	
95 Isopropylbenzene	105	7.779	7.779	0.000	97	1435093	25.0	27.4	
97 Bromobenzene	156	8.048	8.048	0.000	95	373888	25.0	25.4	
98 1,1,2,2-Tetrachloroethane	83	8.089	8.089	0.000	96	413533	25.0	24.1	
99 N-Propylbenzene	91	8.100	8.100	0.000	99	1761445	25.0	27.8	
101 trans-1,4-Dichloro-2-butene	53	8.121	8.121	0.000	82	176251	25.0	29.8	
100 1,2,3-Trichloropropane	110	8.121	8.121	0.000	90	136929	25.0	24.7	
105 2-Chlorotoluene	126	8.193	8.193	0.000	95	346533	25.0	25.3	
104 1,3,5-Trimethylbenzene	105	8.245	8.245	0.000	96	1267457	25.0	27.8	
102 4-Chlorotoluene	91	8.286	8.286	0.000	99	1225248	25.0	27.0	
106 tert-Butylbenzene	134	8.504	8.504	0.000	94	270653	25.0	27.0	
107 1,2,4-Trimethylbenzene	105	8.556	8.556	0.000	98	1272722	25.0	27.7	
109 sec-Butylbenzene	105	8.680	8.680	0.000	95	1609548	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 4-Isopropyltoluene	119	8.794	8.805	-0.011	98	1452681	25.0	27.6	
110 1,3-Dichlorobenzene	146	8.805	8.805	0.000	98	741206	25.0	25.1	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	93	770914	25.0	24.9	
115 n-Butylbenzene	91	9.136	9.136	0.000	98	1268836	25.0	26.6	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	96	752868	25.0	25.3	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	81	72375	25.0	24.5	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	95	532653	25.0	24.5	
120 Hexachlorobutadiene	225	10.608	10.608	0.000	97	278487	25.0	24.6	
121 Naphthalene	128	10.711	10.722	-0.011	97	1367113	25.0	24.7	
122 1,2,3-Trichlorobenzene	180	10.908	10.908	0.000	95	534962	25.0	24.6	

Reagents:

8260 CORP mix_00191	Amount Added: 12.50	Units: uL	
GAS CORP mix_00413	Amount Added: 12.50	Units: uL	
T_8260_Surr_00209	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added: 1.00	Units: uL	Run Reagent

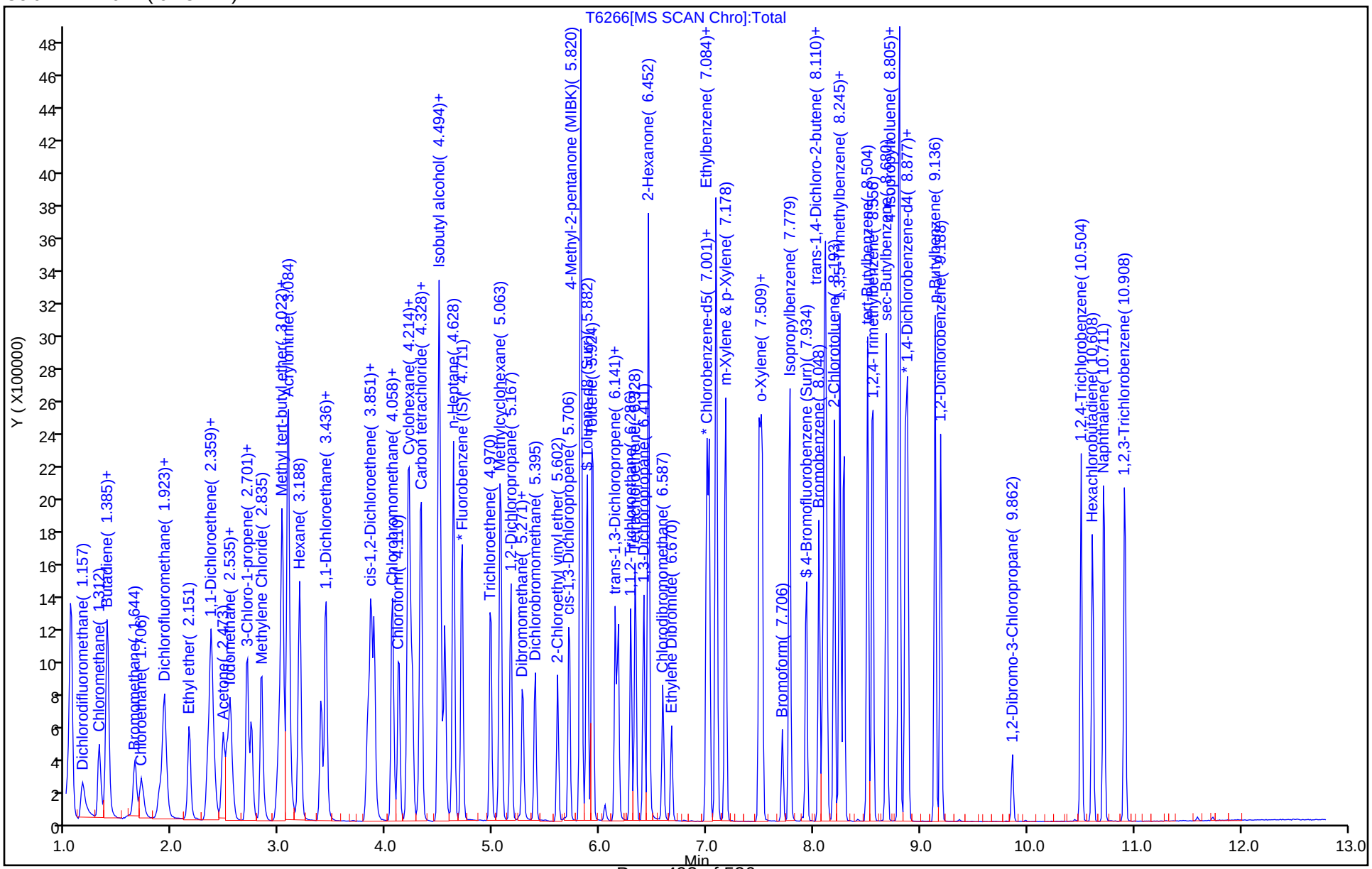
Report Date: 19-Aug-2020 11:22:55 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200819-92853.b\T6266.D

Injection Date:	19-Aug-2020 10:20:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6233.D
Lims ID: 480-173788-A-24 MS
Client ID: 442024-MW-103A
Sample Type: MS
Inject. Date: 17-Aug-2020 18:39:30 ALS Bottle#: 26 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 480-173788-a-24 ms
Misc. Info.: 480-0092795-024
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:59:06 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 09:00:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	98	134929	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.001	7.002	-0.001	90	507922	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.856	8.857	0.000	95	310367	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	93	175378	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	236715	25.0	26.0	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	95	643320	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	201201	25.0	24.4	
11 Dichlorodifluoromethane	85	1.167	1.167	0.000	98	266002	25.0	30.7	
13 Chloromethane	50	1.312	1.322	-0.010	98	347772	25.0	26.3	
14 Vinyl chloride	62	1.395	1.395	0.000	99	271509	25.0	25.0	
15 Bromomethane	94	1.644	1.654	-0.010	93	162622	25.0	25.9	
16 Chloroethane	64	1.716	1.716	0.000	97	166318	25.0	26.6	
17 Trichlorofluoromethane	101	1.923	1.934	-0.011	96	337592	25.0	27.4	
22 1,1-Dichloroethene	96	2.359	2.369	-0.010	91	162777	25.0	25.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.369	2.369	0.000	58	178906	25.0	26.6	
23 Acetone	43	2.473	2.473	0.000	98	438213	125.0	116.9	
25 Carbon disulfide	76	2.545	2.545	0.000	99	493898	25.0	23.9	
28 Methyl acetate	43	2.742	2.742	0.000	100	409711	50.0	44.8	
30 Methylene Chloride	84	2.835	2.835	0.000	92	189828	25.0	23.9	
33 Methyl tert-butyl ether	73	3.022	3.022	0.000	95	508770	25.0	24.6	
32 trans-1,2-Dichloroethene	96	3.032	3.032	0.000	92	183654	25.0	26.4	
36 1,1-Dichloroethane	63	3.395	3.395	0.000	97	380943	25.0	26.2	
43 cis-1,2-Dichloroethene	96	3.861	3.861	0.000	86	238443	25.0	31.2	
44 2-Butanone (MEK)	43	3.882	3.893	-0.010	98	780253	125.0	140.8	
50 Chloroform	83	4.120	4.120	0.000	98	350541	25.0	25.9	
52 Cyclohexane	56	4.214	4.214	0.000	92	502209	25.0	30.2	
51 1,1,1-Trichloroethane	97	4.214	4.214	0.000	74	290023	25.0	26.5	
53 Carbon tetrachloride	117	4.317	4.317	0.000	97	254633	25.0	27.0	
55 Benzene	78	4.494	4.494	0.000	93	767838	25.0	28.4	
57 1,2-Dichloroethane	62	4.545	4.556	-0.011	95	340542	25.0	25.7	
60 Trichloroethene	95	4.981	4.981	0.000	95	208816	25.0	29.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83	5.074	5.074	0.000	95	334518	25.0	27.5	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	90	237497	25.0	28.8	
67 Dichlorobromomethane	83	5.395	5.395	0.000	96	249280	25.0	27.0	
71 cis-1,3-Dichloropropene	75	5.716	5.716	0.000	88	273673	25.0	26.2	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	1622615	125.0	142.8	
73 Toluene	92	5.934	5.934	0.000	97	481251	25.0	27.2	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	98	259799	25.0	26.0	
78 1,1,2-Trichloroethane	83	6.286	6.286	0.000	95	154553	25.0	26.5	
79 Tetrachloroethene	166	6.328	6.328	0.000	97	495090	25.0	59.5	
81 2-Hexanone	43	6.452	6.452	0.000	99	1110450	125.0	141.2	
82 Chlorodibromomethane	129	6.587	6.587	0.000	90	198344	25.0	26.5	
83 Ethylene Dibromide	107	6.670	6.670	0.000	96	188704	25.0	26.0	
86 Chlorobenzene	112	7.022	7.022	0.000	92	527140	25.0	26.0	
88 Ethylbenzene	91	7.084	7.084	0.000	98	881057	25.0	27.4	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	341067		26.9	
91 o-Xylene	106	7.488	7.499	-0.011	98	313819		24.8	
92 Styrene	104	7.520	7.520	0.000	94	542882	25.0	26.0	
93 Bromoform	173	7.706	7.706	0.000	95	120554	25.0	24.4	
95 Isopropylbenzene	105	7.779	7.779	0.000	97	847360	25.0	26.4	
98 1,1,2,2-Tetrachloroethane	83	8.089	8.090	-0.001	97	245996	25.0	23.4	
110 1,3-Dichlorobenzene	146	8.805	8.805	0.000	98	467307	25.0	25.8	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	94	477596	25.0	25.2	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	97	470364	25.0	25.8	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	82	38631	25.0	21.4	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	94	323536	25.0	24.3	
S 126 Xylenes, Total	1				0			51.7	

Reagents:

8260 CORP mix_00191	Amount Added:	12.50	Units: uL	
GAS CORP mix_00413	Amount Added:	12.50	Units: uL	
T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

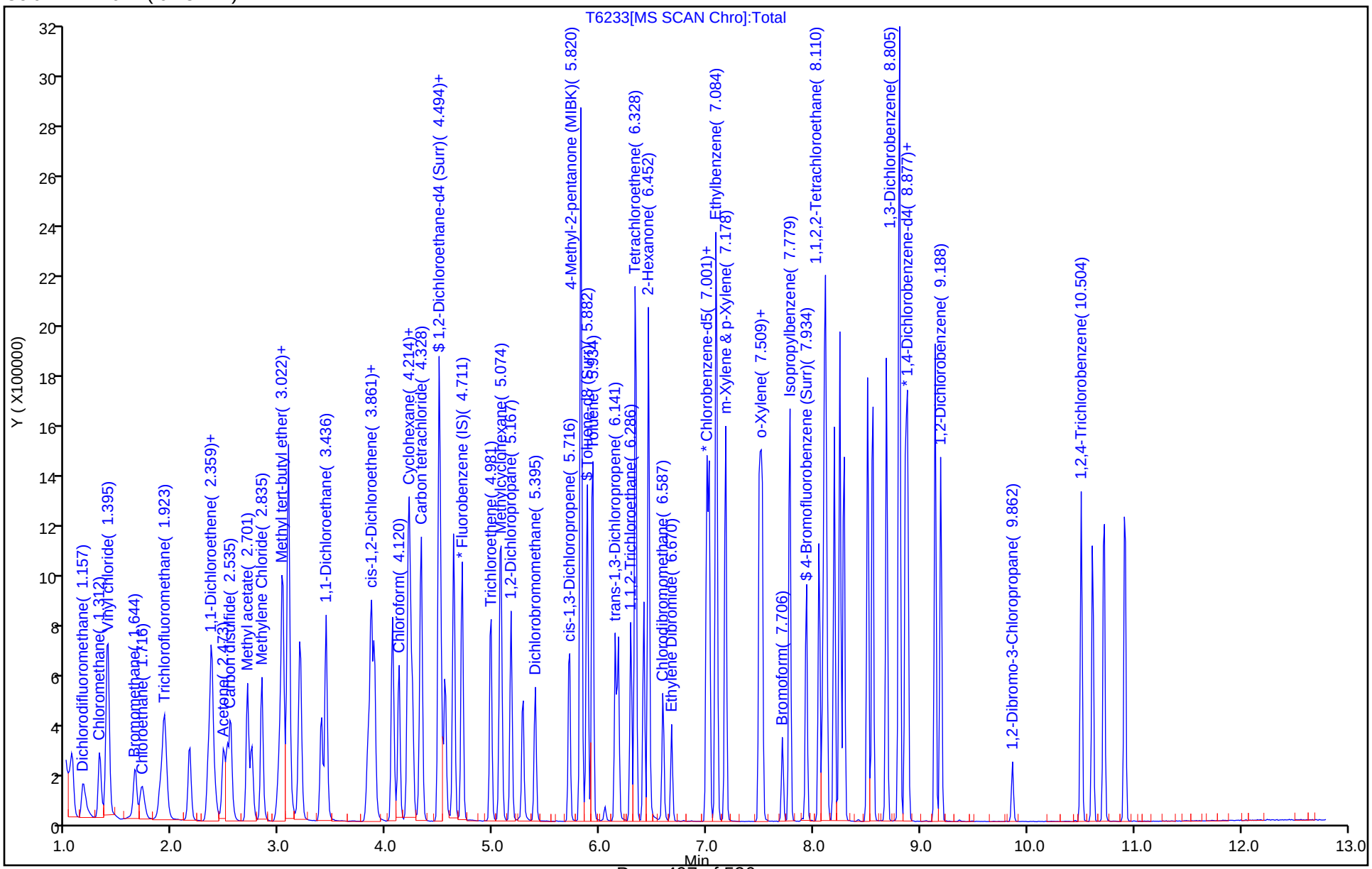
Report Date: 18-Aug-2020 09:00:38 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6233.D

Injection Date:	17-Aug-2020 18:39:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-A-24 MS			Worklist Smp#:	24
Client ID:	442024-MW-103A				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	26
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0755.D
Lims ID: 480-173788-A-28 MS
Client ID: 442024-MW-106A
Sample Type: MS
Inject. Date: 19-Aug-2020 18:36:30 ALS Bottle#: 21 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-A-28 MS
Misc. Info.: 480-0092846-027
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:46:45 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:47:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	98	168346	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	85	351990	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.730	10.736	-0.006	58	345454	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	56	200486	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	46	131088	25.0	23.8	
$ 5 Toluene-d8 (Surr)	98	6.860	6.860	0.000	91	810273	25.0	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	257287	25.0	24.5	
10 Dichlorodifluoromethane	85	1.239	1.233	0.006	88	314407	25.0	27.0	
12 Chloromethane	50	1.416	1.410	0.006	99	364880	25.0	27.8	
13 Vinyl chloride	62	1.513	1.507	0.006	82	347079	25.0	29.7	
14 Bromomethane	94	1.781	1.781	0.000	91	195041	25.0	25.0	
15 Chloroethane	64	1.860	1.860	0.000	95	211609	25.0	27.4	
17 Trichlorofluoromethane	101	2.097	2.097	0.000	57	399645	25.0	26.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.578	2.572	0.006	63	232895	25.0	29.3	
22 1,1-Dichloroethene	96	2.590	2.578	0.012	98	237012	25.0	29.9	
23 Acetone	43	2.705	2.705	0.000	97	635361	125.0	130.8	
26 Carbon disulfide	76	2.778	2.778	0.000	98	725701	25.0	26.3	
27 Methyl acetate	43	3.003	3.003	0.000	96	550731	50.0	51.2	
30 Methylene Chloride	84	3.101	3.095	0.006	92	275823	25.0	29.0	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	92	836753	25.0	26.5	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	92	259911	25.0	27.6	
39 1,1-Dichloroethane	63	3.746	3.746	0.000	86	474034	25.0	27.1	
45 cis-1,2-Dichloroethene	96	4.305	4.299	0.006	66	288693	25.0	27.1	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	98	969855	125.0	135.0	
50 Chloroform	83	4.616	4.616	0.000	81	470662	25.0	26.8	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	84	366130	25.0	26.5	
52 Cyclohexane	56	4.725	4.725	0.000	93	472328	25.0	27.7	
55 Carbon tetrachloride	117	4.853	4.859	-0.006	83	295960	25.0	26.3	
57 Benzene	78	5.078	5.078	0.000	97	1096075	25.0	27.1	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	72	399865	25.0	26.2	
62 Trichloroethene	95	5.686	5.692	-0.006	97	265120	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.802	5.802	0.000	92	460457	25.0	27.6	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	90	277504	25.0	27.8	
68 Dichlorobromomethane	83	6.228	6.222	0.006	92	324510	25.0	25.7	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	88	402244	25.0	25.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	2030868	125.0	139.7	
74 Toluene	92	6.921	6.921	0.000	89	681623	25.0	26.3	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	94	381084	25.0	24.8	
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	93	216645	25.0	26.2	
81 Tetrachloroethene	166	7.451	7.451	0.000	79	273408	25.0	26.1	
80 2-Hexanone	43	7.627	7.627	0.000	98	1451454	125.0	144.7	
83 Chlorodibromomethane	129	7.791	7.791	0.000	87	225331	25.0	24.5	
84 Ethylene Dibromide	107	7.895	7.895	0.000	99	260166	25.0	25.8	
87 Chlorobenzene	112	8.369	8.369	0.000	92	740438	25.0	26.1	
88 Ethylbenzene	91	8.460	8.460	0.000	99	1274757	25.0	26.2	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	98	493992		26.7	
91 o-Xylene	106	9.008	9.008	0.000	97	488588		26.1	
92 Styrene	104	9.038	9.038	0.000	94	841118	25.0	27.1	
95 Bromoform	173	9.294	9.288	0.006	96	132444	25.0	22.5	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1298338	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	82	374367	25.0	26.3	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	71	611715	25.0	25.2	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	94	618521	25.0	24.7	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	91	615169	25.0	25.6	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.837	0.006	73	71240	25.0	25.4	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	92	443879	25.0	25.4	
S 124 Xylenes, Total	1				0			52.8	

Reagents:

8260 CORP mix_00191	Amount Added:	12.50	Units: uL	
GAS CORP mix_00413	Amount Added:	12.50	Units: uL	
S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

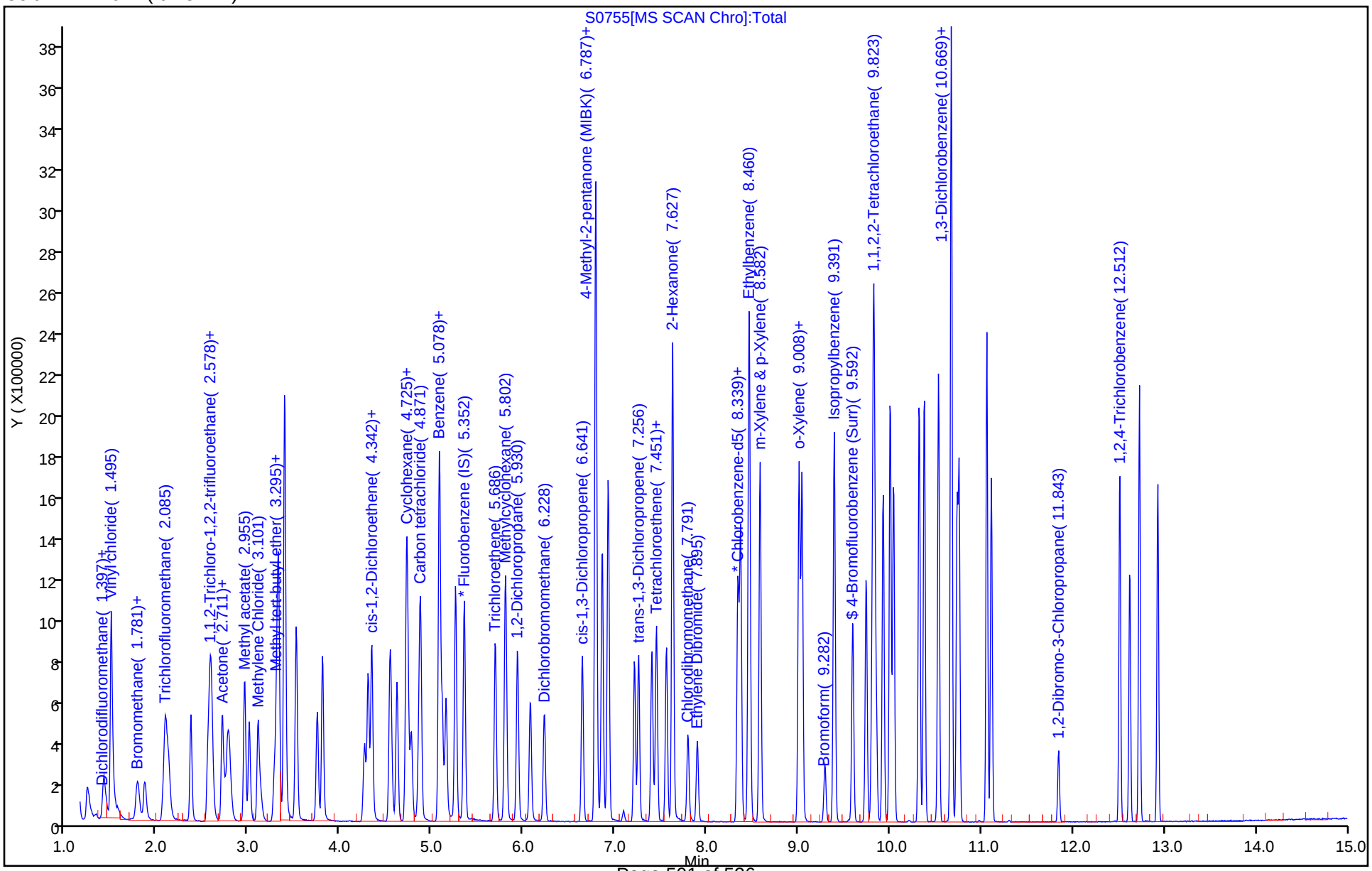
Report Date: 20-Aug-2020 07:47:02 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0755.D

Injection Date:	19-Aug-2020 18:36:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-A-28 MS			Worklist Smp#:	27
Client ID:	442024-MW-106A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6234.D
Lims ID: 480-173788-A-24 MSD
Client ID: 442024-MW-103A
Sample Type: MSD
Inject. Date: 17-Aug-2020 19:03:30 ALS Bottle#: 27 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 480-173788-a-24 msd
Misc. Info.: 480-0092795-025
Operator ID: RF Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Aug-2020 08:59:06 Calib Date: 08-Jul-2020 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20200708-91875.b\T5171.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1004

First Level Reviewer: farrellr Date: 18-Aug-2020 09:01:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.711	4.711	0.000	97	145352	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.002	7.002	0.000	90	538246	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.857	8.857	0.001	96	321540	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.245	4.245	0.000	92	175319	25.0	23.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.494	4.494	0.000	0	234959	25.0	24.0	
$ 6 Toluene-d8 (Surr)	98	5.882	5.882	0.000	96	663017	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr)	174	7.934	7.934	0.000	0	205408	25.0	23.5	
11 Dichlorodifluoromethane	85	1.167	1.167	0.000	98	284268	25.0	30.4	
13 Chloromethane	50	1.323	1.322	0.001	100	377811	25.0	26.5	
14 Vinyl chloride	62	1.406	1.395	0.011	98	289764	25.0	24.8	
15 Bromomethane	94	1.654	1.654	0.000	92	171703	25.0	25.4	
16 Chloroethane	64	1.716	1.716	0.000	96	177871	25.0	26.4	
17 Trichlorofluoromethane	101	1.934	1.934	0.000	67	342839	25.0	25.8	
22 1,1-Dichloroethene	96	2.359	2.369	-0.010	91	167297	25.0	24.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.380	2.369	0.011	93	191350	25.0	26.4	
23 Acetone	43	2.483	2.473	0.010	98	460534	125.0	114.1	
25 Carbon disulfide	76	2.545	2.545	0.000	99	522551	25.0	23.5	
28 Methyl acetate	43	2.742	2.742	0.000	100	427025	50.0	43.3	
30 Methylene Chloride	84	2.836	2.835	0.001	93	198639	25.0	23.2	
33 Methyl tert-butyl ether	73	3.022	3.022	0.000	95	537333	25.0	24.1	
32 trans-1,2-Dichloroethene	96	3.033	3.032	0.001	91	194699	25.0	26.0	
36 1,1-Dichloroethane	63	3.395	3.395	0.000	97	405366	25.0	25.9	
43 cis-1,2-Dichloroethene	96	3.862	3.861	0.001	86	243325	25.0	29.6	
44 2-Butanone (MEK)	43	3.893	3.893	0.001	97	744630	125.0	124.7	
50 Chloroform	83	4.121	4.120	0.001	97	361984	25.0	24.8	
52 Cyclohexane	56	4.214	4.214	0.000	96	471197	25.0	26.3	
51 1,1,1-Trichloroethane	97	4.214	4.214	0.000	96	321838	25.0	27.3	
53 Carbon tetrachloride	117	4.318	4.317	0.001	97	273299	25.0	26.9	
55 Benzene	78	4.494	4.494	0.000	94	793133	25.0	27.3	
57 1,2-Dichloroethane	62	4.556	4.556	0.000	96	358091	25.0	25.1	
60 Trichloroethene	95	4.981	4.981	0.000	95	219046	25.0	28.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83	5.074	5.074	0.000	96	353825	25.0	27.0	
63 1,2-Dichloropropane	63	5.167	5.167	0.000	93	252520	25.0	28.4	
67 Dichlorobromomethane	83	5.395	5.395	0.000	97	261684	25.0	26.3	
71 cis-1,3-Dichloropropene	75	5.717	5.716	0.001	89	292077	25.0	26.0	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.000	98	1666899	125.0	138.4	
73 Toluene	92	5.934	5.934	0.000	97	500031	25.0	26.6	
75 trans-1,3-Dichloropropene	75	6.141	6.141	0.000	97	267690	25.0	25.3	
78 1,1,2-Trichloroethane	83	6.287	6.286	0.001	93	153922	25.0	24.9	
79 Tetrachloroethene	166	6.328	6.328	0.000	96	517471	25.0	58.7	
81 2-Hexanone	43	6.452	6.452	0.000	99	1180170	125.0	141.6	
82 Chlorodibromomethane	129	6.587	6.587	0.000	90	204054	25.0	25.7	
83 Ethylene Dibromide	107	6.670	6.670	0.000	98	200997	25.0	26.1	
86 Chlorobenzene	112	7.022	7.022	0.000	93	573017	25.0	26.7	
88 Ethylbenzene	91	7.084	7.084	0.000	98	906009	25.0	26.6	
90 m-Xylene & p-Xylene	106	7.178	7.178	0.000	0	360229		26.8	
91 o-Xylene	106	7.499	7.499	0.000	98	344328		25.6	
92 Styrene	104	7.520	7.520	0.000	95	592225	25.0	26.8	
93 Bromoform	173	7.706	7.706	0.000	96	125620	25.0	24.0	
95 Isopropylbenzene	105	7.779	7.779	0.000	97	898092	25.0	27.1	
98 1,1,2,2-Tetrachloroethane	83	8.090	8.090	0.000	94	260521	25.0	23.9	
110 1,3-Dichlorobenzene	146	8.805	8.805	0.000	98	489102	25.0	26.1	
113 1,4-Dichlorobenzene	146	8.877	8.877	0.000	94	492067	25.0	25.1	
116 1,2-Dichlorobenzene	146	9.188	9.188	0.000	97	481513	25.0	25.5	
117 1,2-Dibromo-3-Chloropropane	75	9.862	9.862	0.000	78	44837	25.0	24.0	
119 1,2,4-Trichlorobenzene	180	10.504	10.504	0.000	95	334303	25.0	24.2	
S 126 Xylenes, Total	1				0			52.5	

Reagents:

8260 CORP mix_00191	Amount Added:	12.50	Units: uL	
GAS CORP mix_00413	Amount Added:	12.50	Units: uL	
T_8260_Surr_00209	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00245	Amount Added:	1.00	Units: uL	Run Reagent

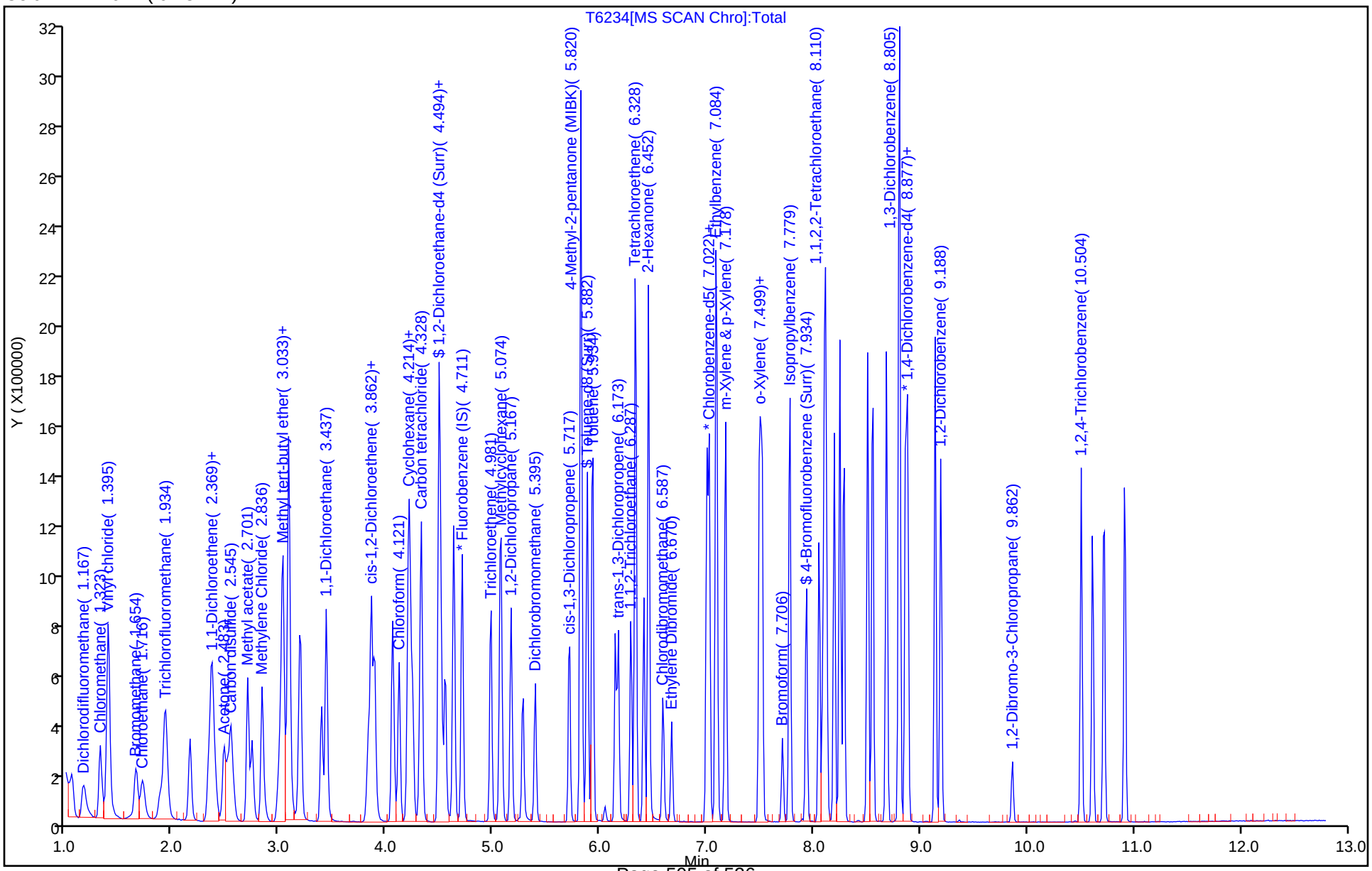
Report Date: 18-Aug-2020 09:01:11 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20200817-92795.b\T6234.D

Injection Date:	17-Aug-2020 19:03:30	Instrument ID:	HP5975T	Operator ID:	RF
Lims ID:	480-173788-A-24 MSD			Worklist Smp#:	25
Client ID:	442024-MW-103A				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	27
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0756.D
Lims ID: 480-173788-A-28 MSD
Client ID: 442024-MW-106A
Sample Type: MSD
Inject. Date: 19-Aug-2020 18:59:30 ALS Bottle#: 22 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-173788-A-28 MSD
Misc. Info.: 480-0092846-028
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Aug-2020 07:46:45 Calib Date: 15-Aug-2020 12:16:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20200814-92768.b\S0647.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1046

First Level Reviewer: moffata Date: 20-Aug-2020 07:47:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	168607	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.339	0.000	84	360222	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.736	10.736	0.000	67	341580	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	55	202620	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	53	135815	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.860	6.860	0.000	90	819875	25.0	24.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	260503	25.0	24.2	
10 Dichlorodifluoromethane	85	1.233	1.233	0.000	87	313193	25.0	26.8	
12 Chloromethane	50	1.416	1.410	0.006	92	367839	25.0	28.0	
13 Vinyl chloride	62	1.513	1.507	0.006	97	353522	25.0	30.2	
14 Bromomethane	94	1.781	1.781	0.000	92	197591	25.0	25.3	
15 Chloroethane	64	1.860	1.860	0.000	100	211596	25.0	27.3	
17 Trichlorofluoromethane	101	2.079	2.097	-0.018	54	407981	25.0	27.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.578	2.572	0.006	55	221955	25.0	27.9	
22 1,1-Dichloroethene	96	2.578	2.578	0.000	87	230588	25.0	29.1	
23 Acetone	43	2.705	2.705	0.000	99	636074	125.0	130.7	
26 Carbon disulfide	76	2.772	2.778	-0.006	98	722940	25.0	26.2	
27 Methyl acetate	43	3.003	3.003	0.000	96	559077	50.0	51.9	
30 Methylene Chloride	84	3.095	3.095	0.000	92	281220	25.0	29.5	
32 Methyl tert-butyl ether	73	3.308	3.308	0.000	92	853334	25.0	27.0	
34 trans-1,2-Dichloroethene	96	3.326	3.326	0.000	95	261999	25.0	27.7	
39 1,1-Dichloroethane	63	3.746	3.746	0.000	85	496807	25.0	28.4	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	80	291085	25.0	27.3	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	98	998325	125.0	138.7	
50 Chloroform	83	4.616	4.616	0.000	81	470197	25.0	26.8	
51 1,1,1-Trichloroethane	97	4.725	4.719	0.006	85	378053	25.0	27.3	
52 Cyclohexane	56	4.725	4.725	0.000	93	451630	25.0	26.5	
55 Carbon tetrachloride	117	4.859	4.859	0.000	89	297833	25.0	26.5	
57 Benzene	78	5.078	5.078	0.000	97	1113683	25.0	27.5	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	73	405563	25.0	26.5	
62 Trichloroethene	95	5.686	5.692	-0.006	96	263282	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.802	5.802	0.000	93	445452	25.0	26.6	
65 1,2-Dichloropropane	63	5.930	5.930	0.000	88	278558	25.0	27.8	
68 Dichlorobromomethane	83	6.222	6.222	0.000	92	324887	25.0	25.7	
72 cis-1,3-Dichloropropene	75	6.641	6.641	0.000	88	408278	25.0	25.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.787	0.000	98	2010895	125.0	135.2	
74 Toluene	92	6.921	6.921	0.000	88	689480	25.0	26.0	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	98	387108	25.0	24.6	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	87	217969	25.0	25.7	
81 Tetrachloroethene	166	7.450	7.451	-0.001	79	269044	25.0	25.1	
80 2-Hexanone	43	7.627	7.627	0.000	97	1409189	125.0	137.3	
83 Chlorodibromomethane	129	7.791	7.791	0.000	85	225488	25.0	23.9	
84 Ethylene Dibromide	107	7.895	7.895	0.000	97	270899	25.0	26.3	
87 Chlorobenzene	112	8.369	8.369	0.000	92	737677	25.0	25.4	
88 Ethylbenzene	91	8.460	8.460	0.000	99	1278143	25.0	25.7	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	98	489985		25.9	
91 o-Xylene	106	9.008	9.008	0.000	97	488534		25.5	
92 Styrene	104	9.038	9.038	0.000	93	813174	25.0	25.6	
95 Bromoform	173	9.288	9.288	0.000	94	134551	25.0	22.3	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1263174	25.0	25.6	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	82	384174	25.0	27.3	
111 1,3-Dichlorobenzene	146	10.669	10.669	0.000	69	613451	25.0	25.6	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	622199	25.0	25.2	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	92	616918	25.0	26.0	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.837	0.006	78	70208	25.0	25.3	
119 1,2,4-Trichlorobenzene	180	12.512	12.512	0.000	93	449794	25.0	26.0	
S 124 Xylenes, Total	1				0			51.4	

Reagents:

8260 CORP mix_00191	Amount Added:	12.50	Units: uL	
GAS CORP mix_00413	Amount Added:	12.50	Units: uL	
S_8260_IS_00339	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00365	Amount Added:	1.00	Units: uL	Run Reagent

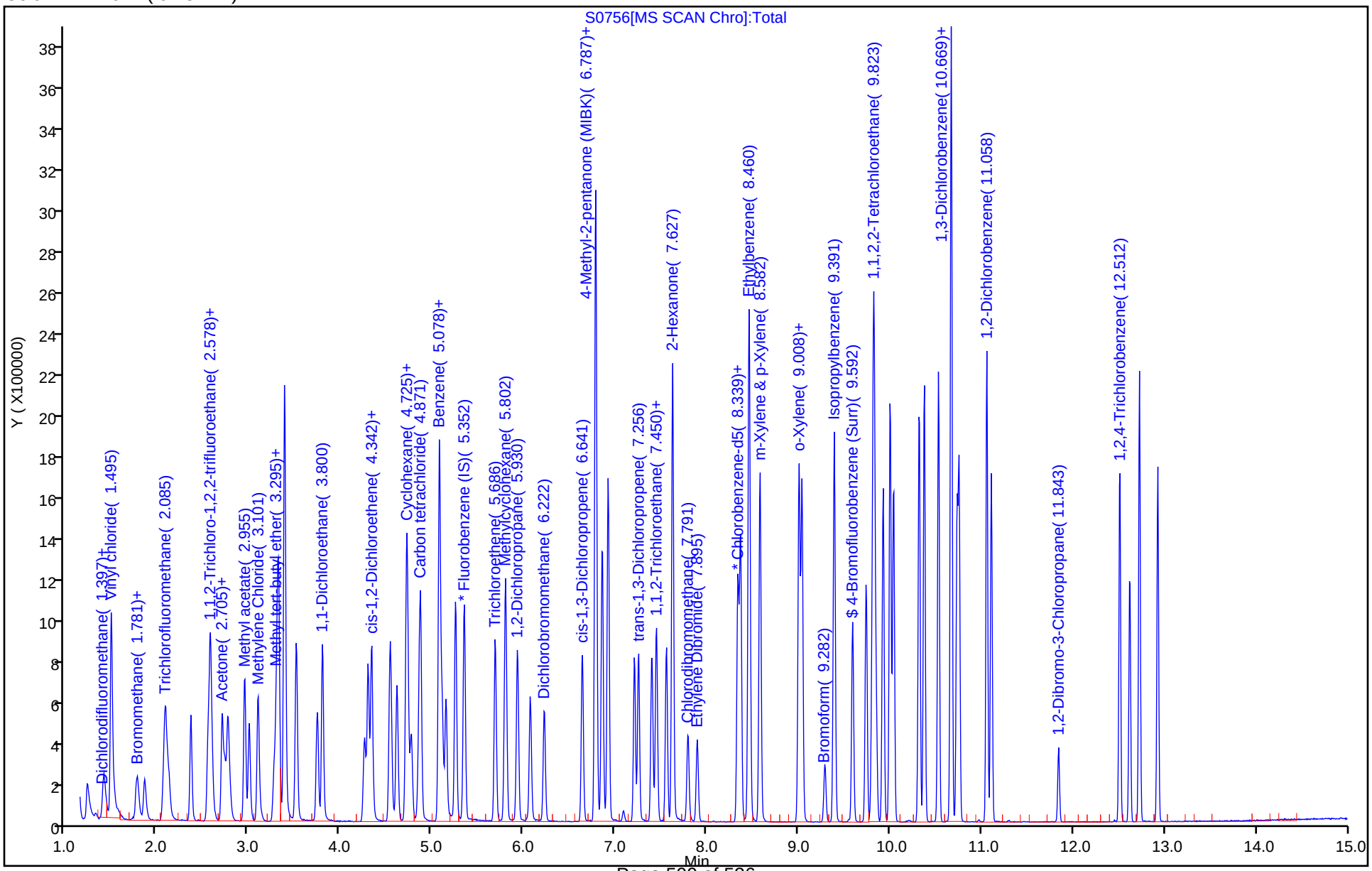
Report Date: 20-Aug-2020 07:47:11 Chrom Revision: 2.3 17-Aug-2020 20:42:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20200819-92846.b\S0756.D

Injection Date:	19-Aug-2020 18:59:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-173788-A-28 MSD			Worklist Smp#:	28
Client ID:	442024-MW-106A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Shipping and Receiving Documents

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: N.Robinson M.Wright	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-148935-33150.1
Client Contact: John Whalen	Phone: (207)400-1356	E-Mail: Judy.Stone@Eurofinset.com		Page: Page 1 of 4
Company: EA Engineering, Science, and Technology				Job #:

Address: 269 West Jefferson St. Suite 104	Due Date Requested:	Analysis Requested
City: Syracuse	TAT Requested (days): Standard	
State, Zip: NY, 13202		
Phone:	PO #: Call Out 137243	
Email: jwhalen@eaest.com	WO #:	
Project Name: Roxy Cleaners #442024	Project #: 48020662	
Site:	SSOW#:	

480-173788 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOAs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
442024-INJ-3	8/11/20	1725	G	Water	N	N	X	3	Off Gas
442024-MW-3B	8/11/20	1211		Water	N	N	X	3	
442024-MW-3	8/11/20	1224		Water	N	N	X	3	
442024-MW-1B	8/11/20	1552		Water	N	N	X	3	
442024-FB-08112020	8/11/20	1730		Water	N	N	X	3	
442024-MW-108	8/11/20	1101		Water	N	N	X	3	
442024-INJ-2	8/11/20	1725		Water	N	N	X	3	Off Gas
442024-MW-1	8/11/20	1554		Water	N	N	X	3	
442024-MW-4B	8/11/20	1320		Water	N	N	X	3	
442024-MW-104	8/11/20	1414		Water	N	N	X	3	
442024-MW-4	8/11/20	1305		Water	N	N	X	3	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Noah Robinson	8/12/20 0810	EA		8/13/20 1000	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.7, 2.4

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler:	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-148935-33150.2
Client Contact: John Whalen	Phone:	E-Mail: Judy.Stone@Eurofinset.com		Page: Page 2 of 4
Company: EA Engineering, Science, and Technology				Job #:

Same AS page 1

Address: 269 West Jefferson St. Suite 104	Due Date Requested:
City: Syracuse	TAT Requested (days):
State, Zip: NY, 13202	
Phone:	PO #: Call Out 137243
Email: jwhalen@eaest.com	WO #:
Project Name: Roxy Cleaners #442024	Project #: 48020662
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOAs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
442024-MW-108A	8/11/20	1058	G	Water	N	N	X	3	
442024-TW-5	8/11/20	0945		Water	N	N	X	3	
442024-MW-107A	8/11/20	0943		Water	N	N	X	3	
442024-INJ-1	8/10/20	1127		Water	N	N	X	3	off Gas
442024-MW-101A	8/10/20	1128		Water	N	N	X	3	off Gas
442024-MW-105	8/10/20	1358		Water	N	N	X	3	
442024-MW-2B	8/10/20	1601		Water	N	N	X	3	
~~442024~~-MW-2	8/10/20	1606		Water	N	N	X	3	
442024-MW-109	8/10/20	1502		Water	N	N	X	3	
442024-FD-08112020	8/11/20			Water	N	N	X	3	
442024-MW-106	8/11/20	0829		Water	N	N	X	3	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Noah Robinson Noah Robinson	08/12/20 0810	EA	Walker	8/13/20 1000	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler:	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-148935-33150.3
Client Contact: John Whalen	Phone:	E-Mail: Judy.Stone@Eurofinset.com		Page: Page 3 of 4
Company: EA Engineering, Science, and Technology				Job #:
Address: 269 West Jefferson St. Suite 104	Due Date Requested:			
City: Syracuse	TAT Requested (days):			
State, Zip: NY, 13202				
Phone:	PO #: Call Out 137243			
Email: jwhalen@eaest.com	WO #:			
Project Name: Roxy Cleaners #442024	Project #: 48020662			
Site:	SSOW#:			

Same AS 1 page

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOAs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
442024 - FB - 08102020	8/10/20	1615	G	Water	N	N	X	3	
442024 - MW - 103A	8/10/20	1252		Water	N	Y	X	9	
442024 - MW - 105A	8/10/20	1404		Water	N	N	X	3	
442024 - FD - 08102020	8/10/20			Water	N	N	X	3	
442024 - MW - 111	8/10/20	1309		Water	N	N	X	3	
442024 - MW - 106A	8/11/20	0821		Water	N	Y	X	9	
442024 - TB - 08112020	8/11/20			Water	N	N	X	2	
				Water					
				Water					
				Water					
				Water					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Noah Robinson	8/12/20 0810	EA	Cwallace	8/13/20 1000	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-173788-1

Login Number: 173788
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7 2.4 #1 ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	EA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Appendix F

Historical Groundwater Analytical Data Trends

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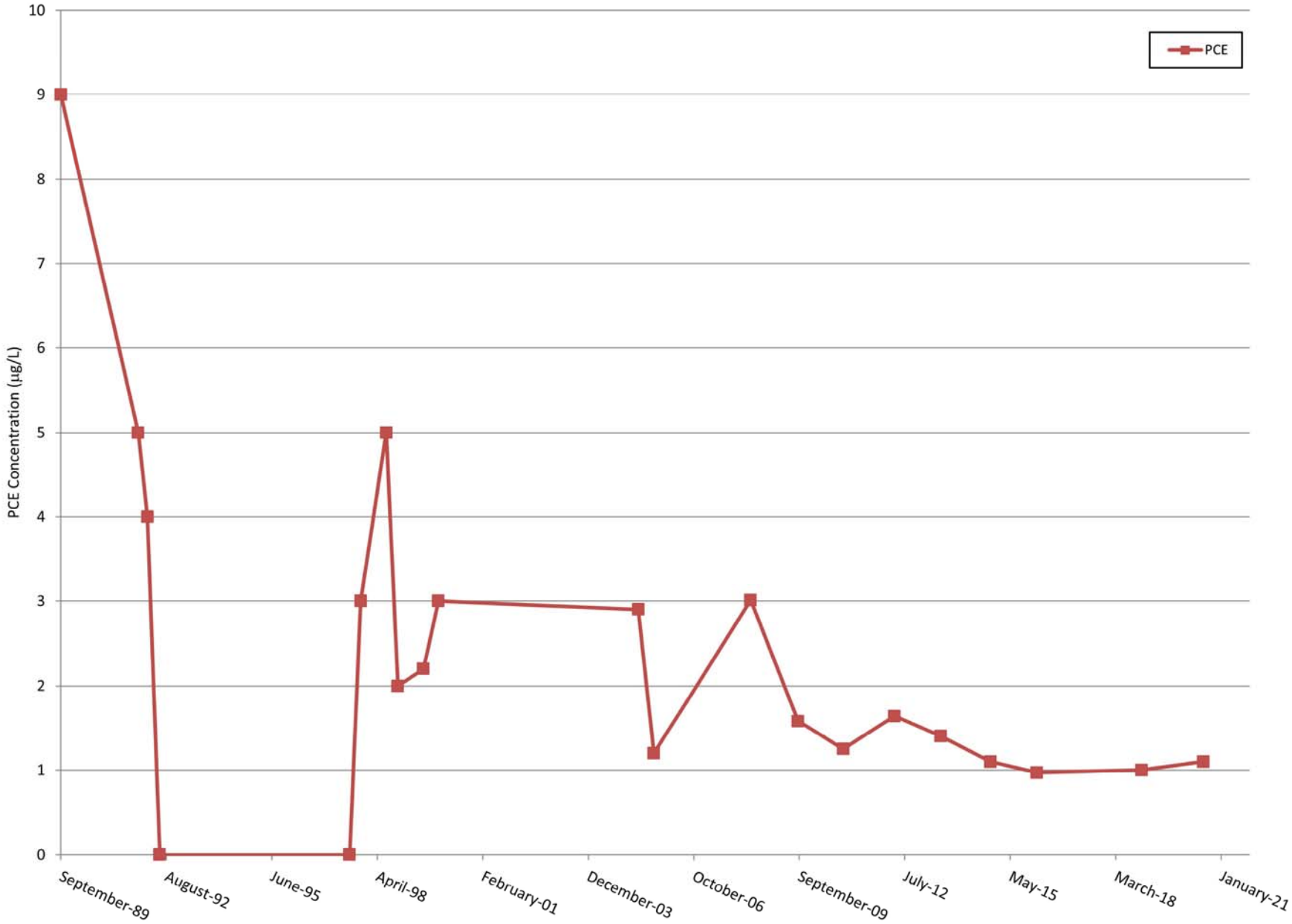
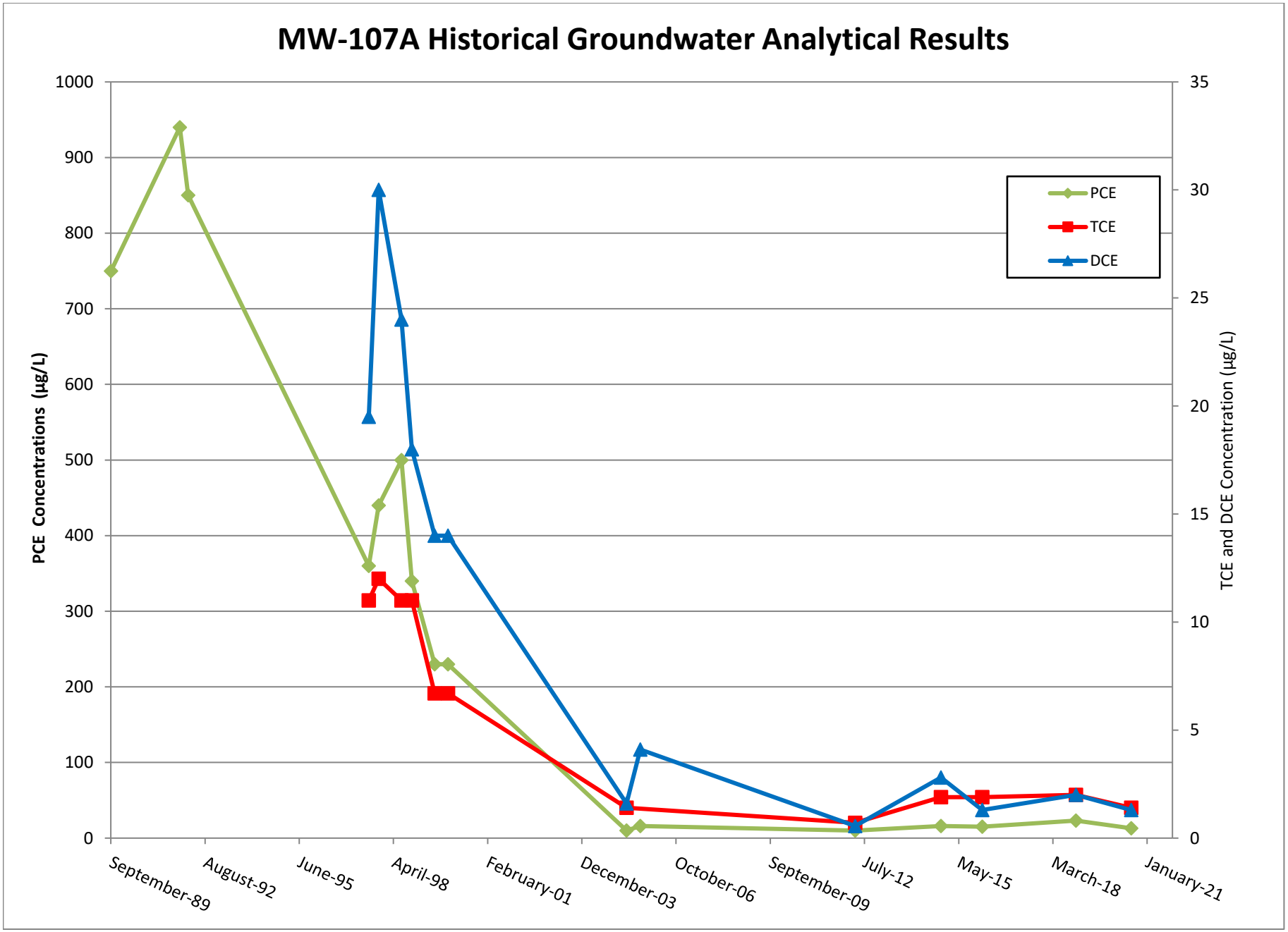
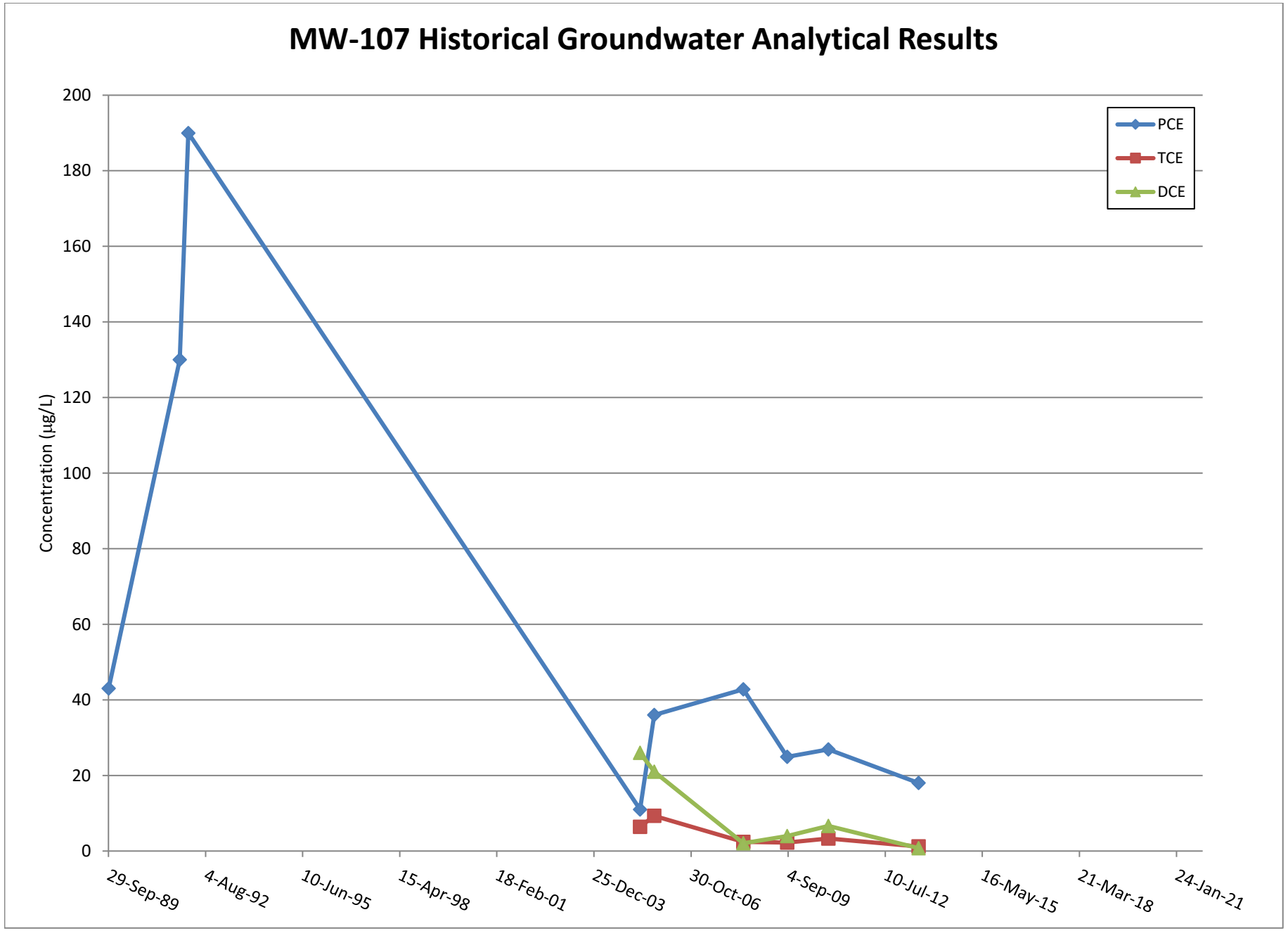
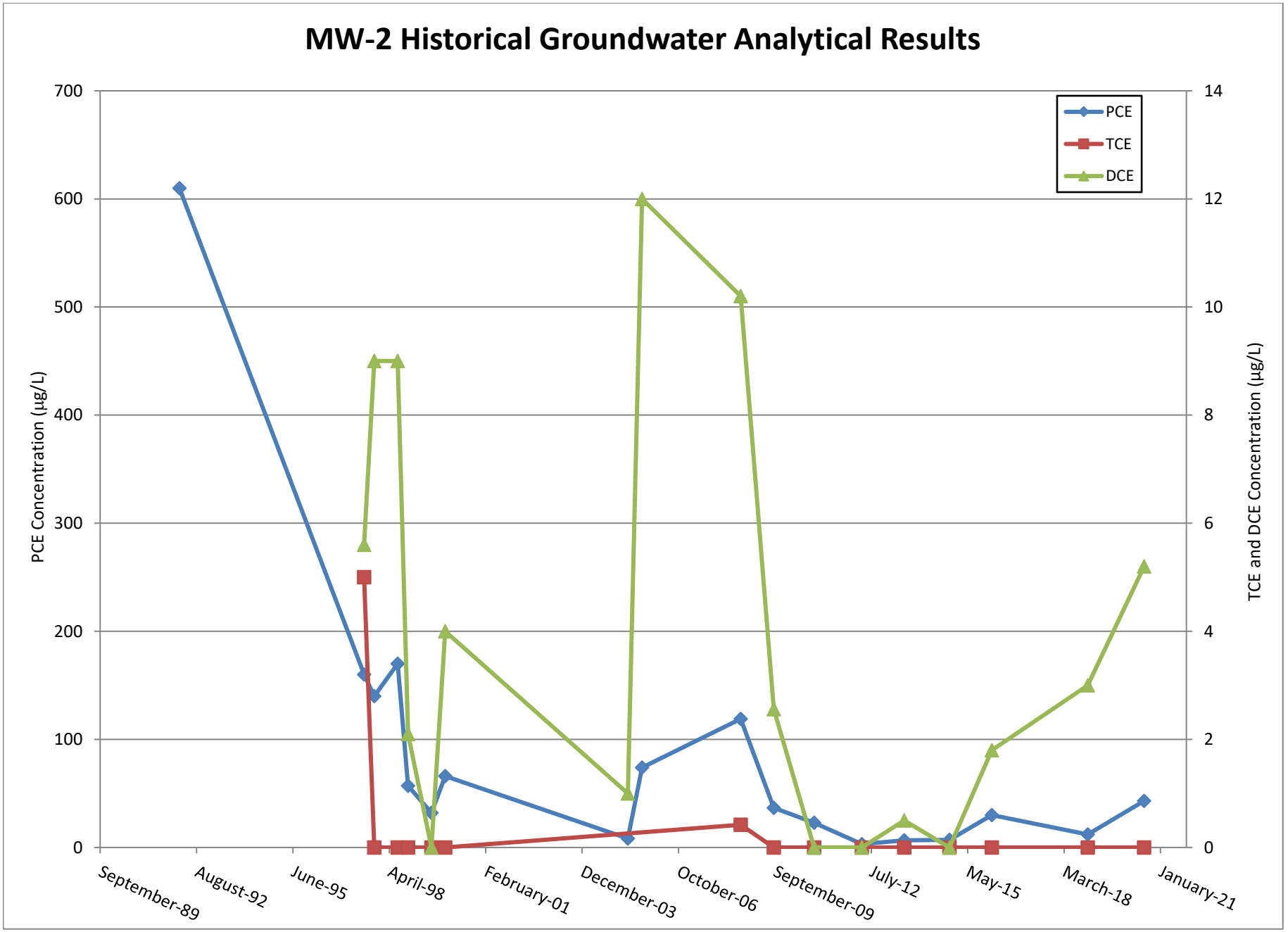
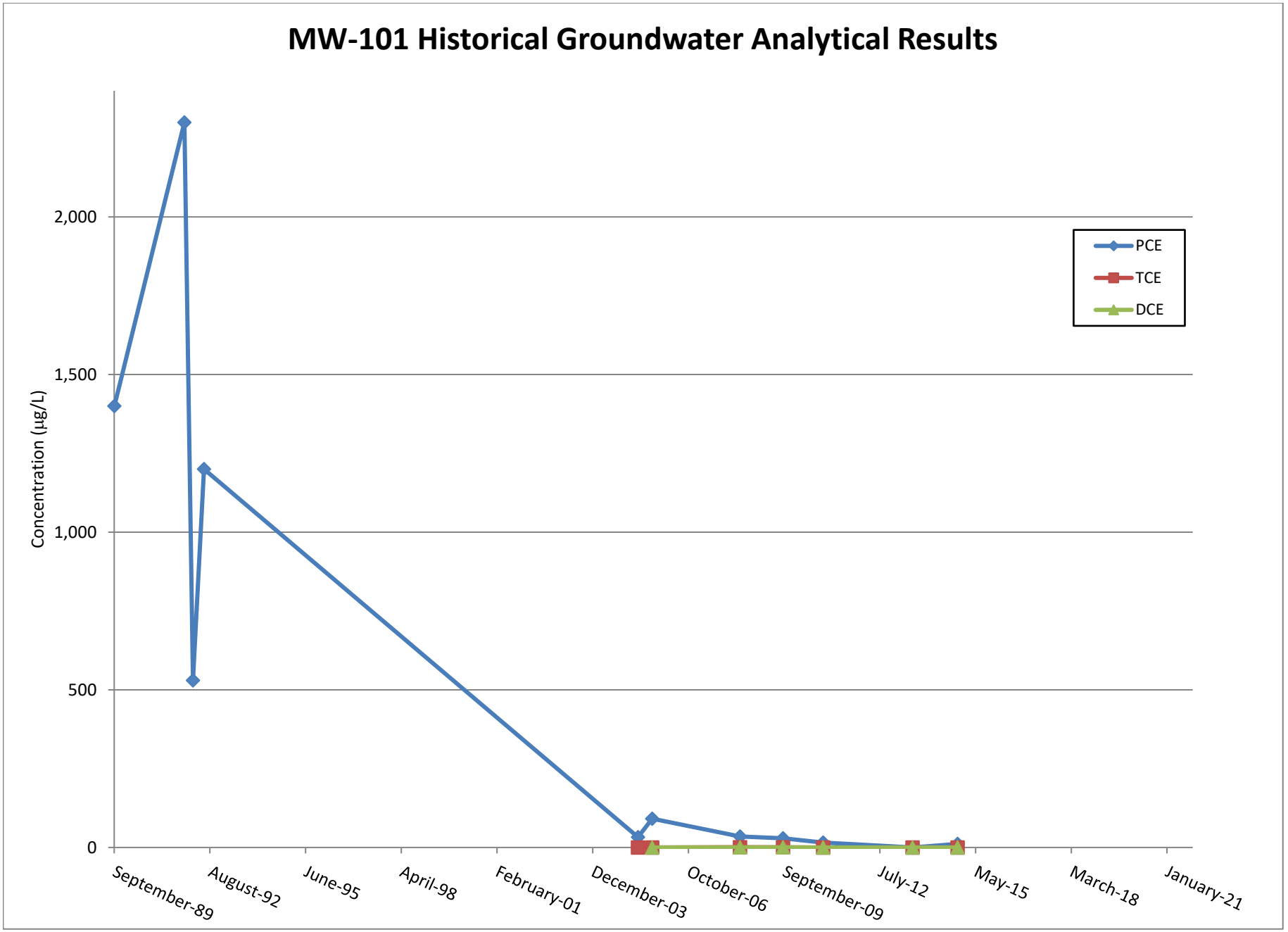
MW-108 Historical Groundwater Analytical Results

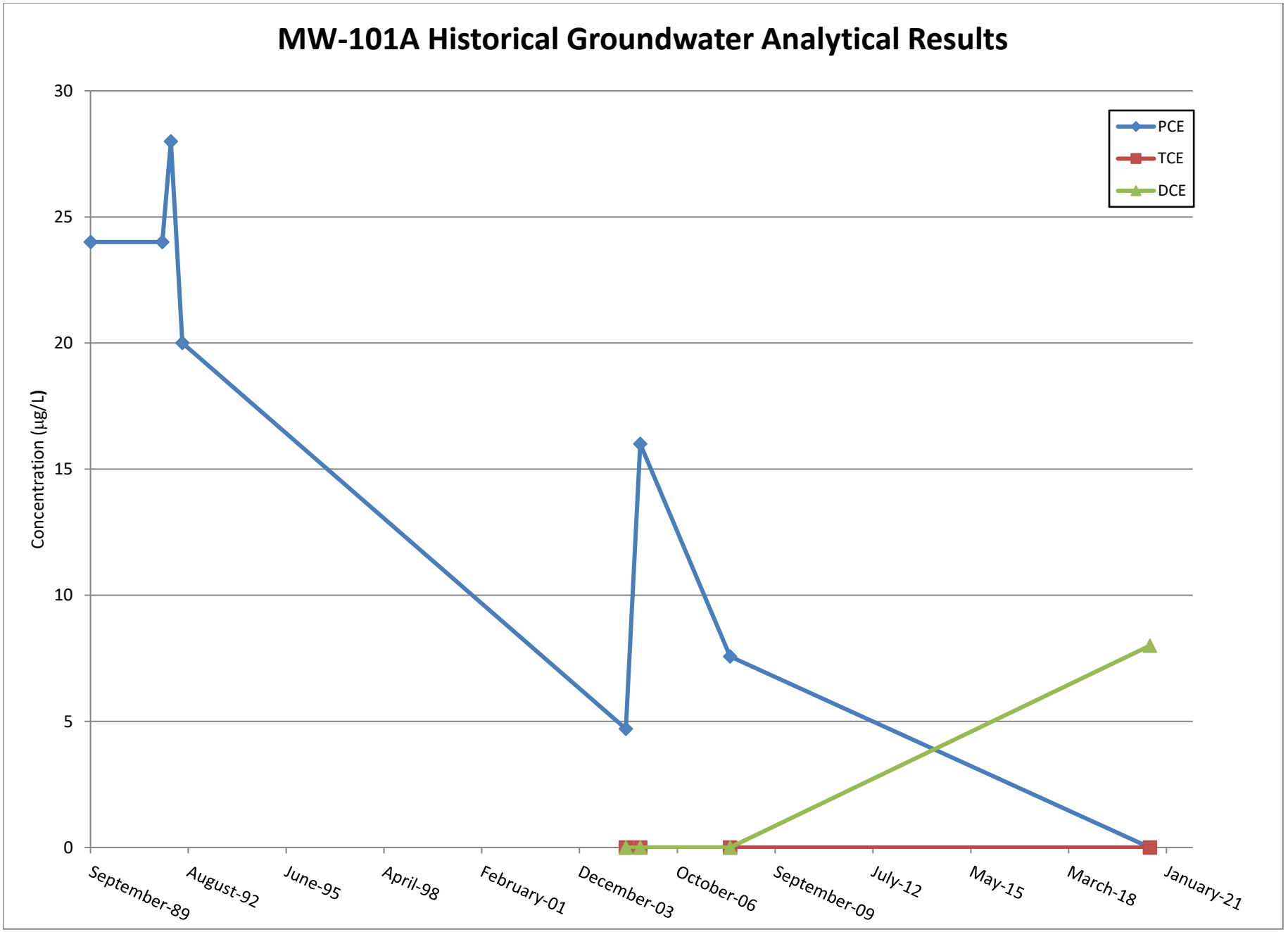


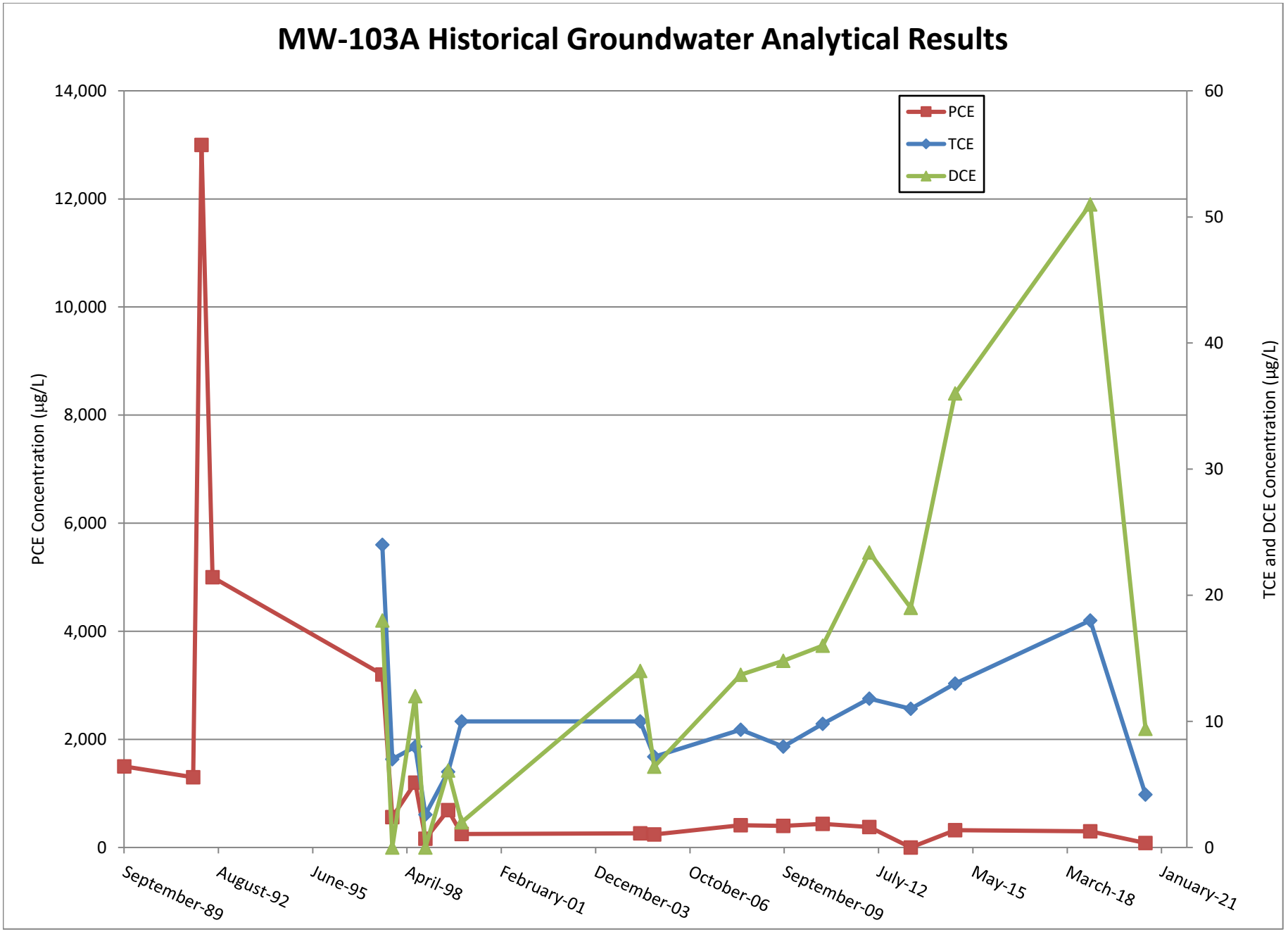

MW-107A Historical Groundwater Analytical Results
PCE Concentrations (µg/L)
TCE and DCE Concentration (µg/L)
PCE
TCE
DCE
1000
900
800
700
600
500
400
300
200
100
0
35
30
25
20
15
10
5
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
January-21

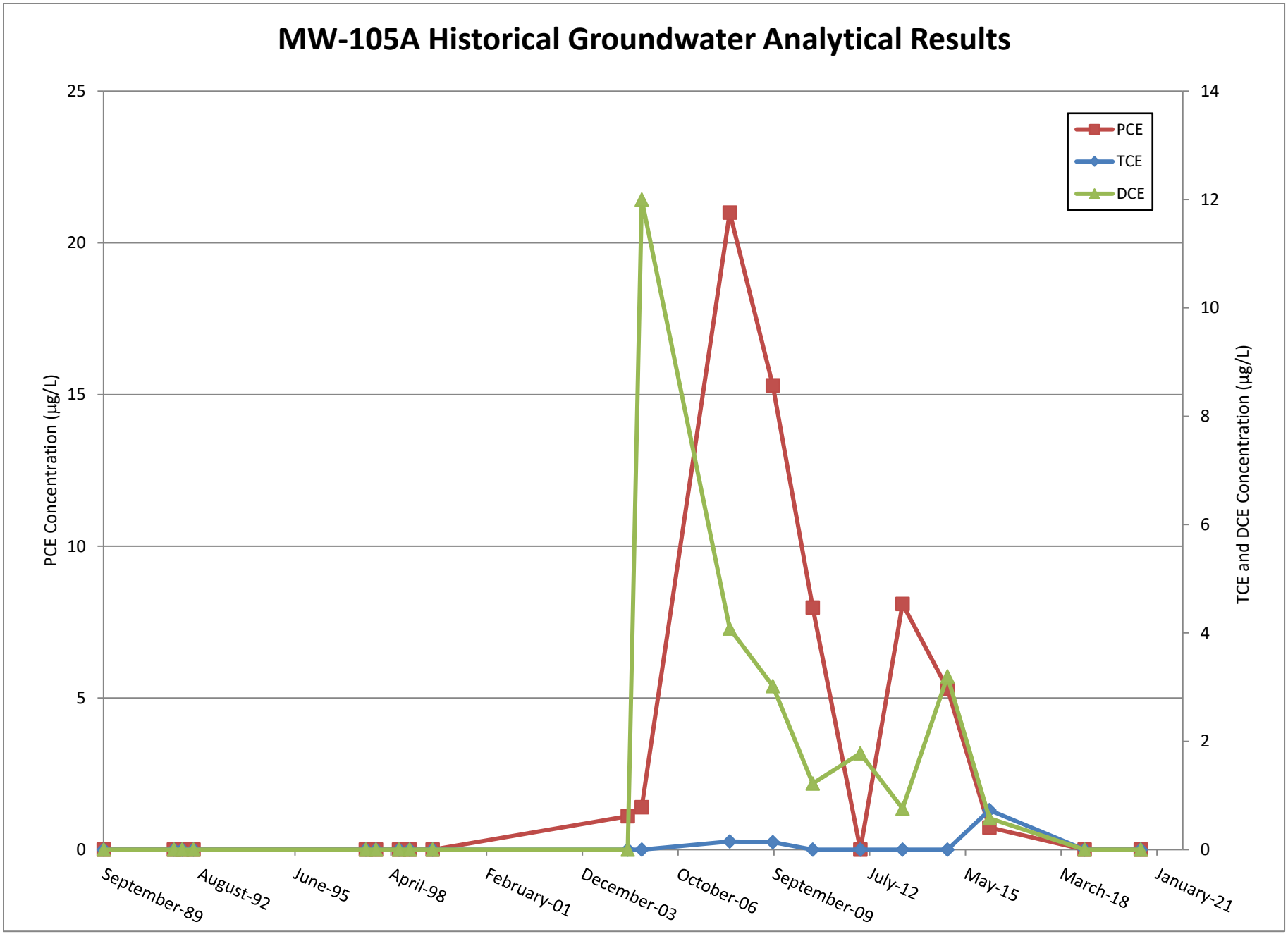

MW-107 Historical Groundwater Analytical Results
Concentration (µg/L)
200
180
160
140
120
100
80
60
40
20
0
29-Sep-89
4-Aug-92
10-Jun-95
15-Apr-98
18-Feb-01
25-Dec-03
30-Oct-06
4-Sep-09
10-Jul-12
16-May-15
21-Mar-18
24-Jan-21
PCE
TCE
DCE

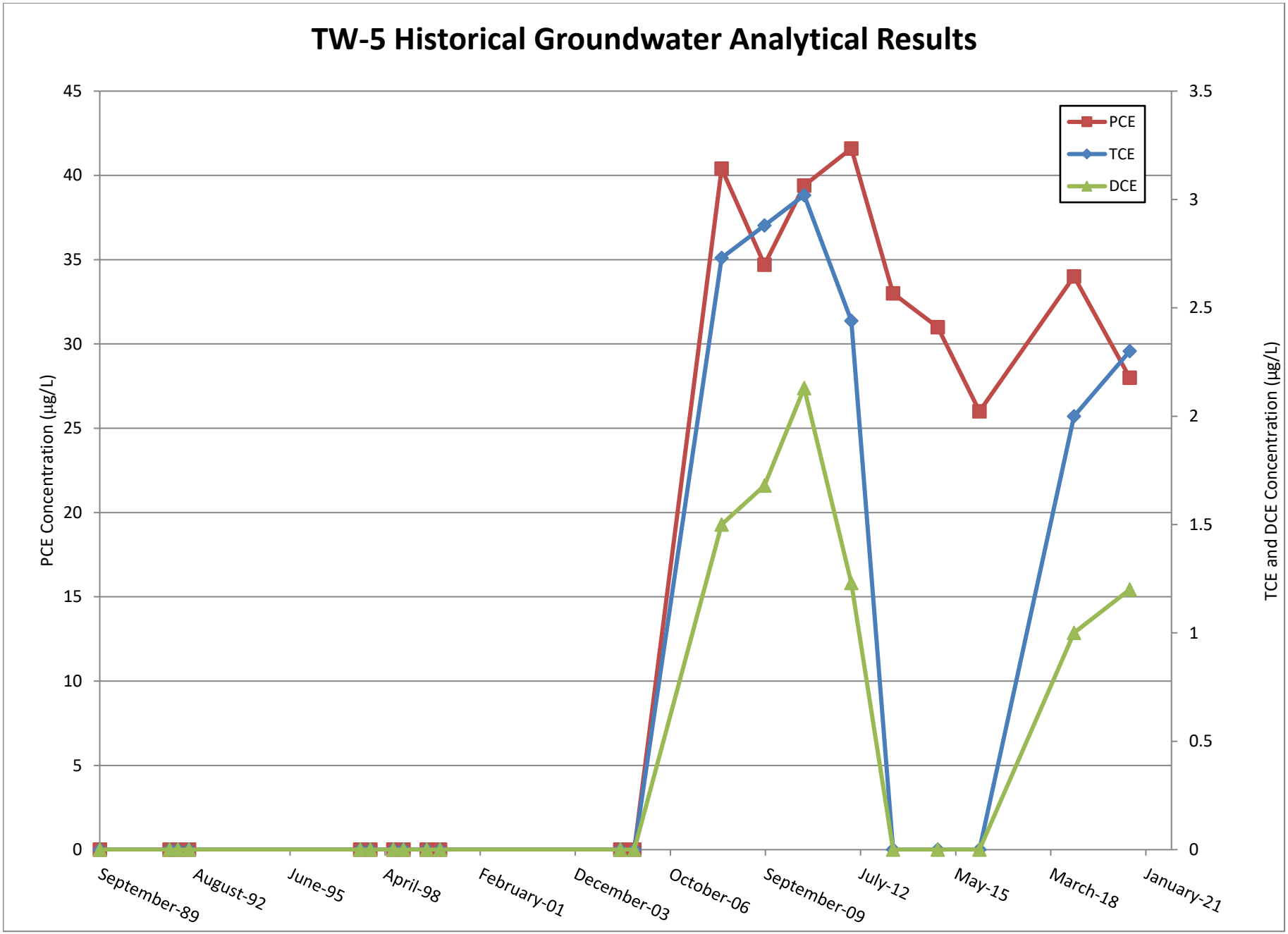

MW-2 Historical Groundwater Analytical Results
PCE
TCE
DCE
PCE Concentration (µg/L)
TCE and DCE Concentration (µg/L)
700
600
500
400
300
200
100
0
14
12
10
8
6
4
2
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
January-21

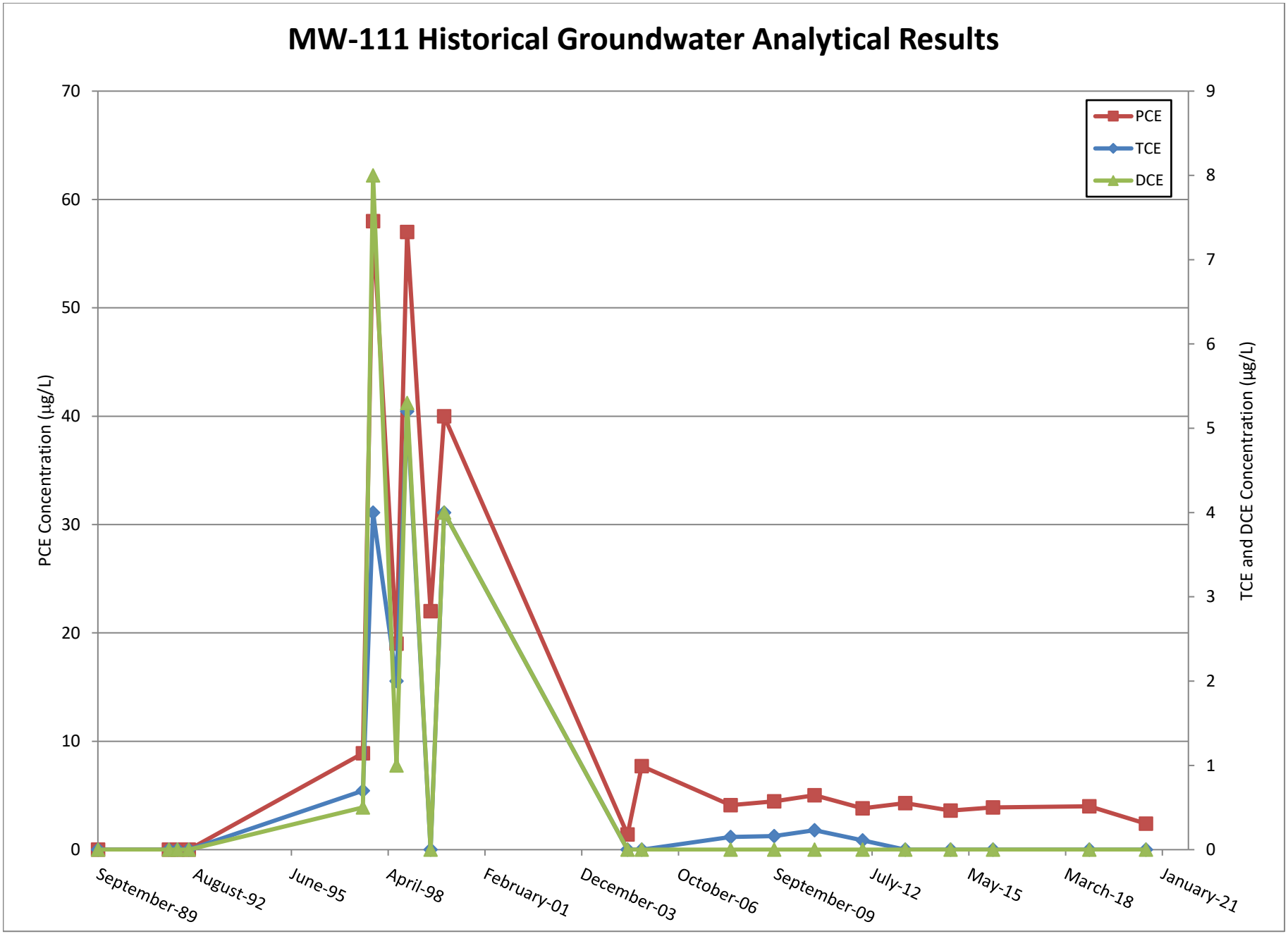

MW-101 Historical Groundwater Analytical Results
Concentration (µg/L)
2,000
1,500
1,000
500
0
PCE
TCE
DCE
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
January-21


MW-101A Historical Groundwater Analytical Results
Concentration (µg/L)
30
25
20
15
10
5
0
PCE
TCE
DCE
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
January-21


MW-103A Historical Groundwater Analytical Results
PCE
TCE
DCE
PCE Concentration (µg/L)
TCE and DCE Concentration (µg/L)
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
60
50
40
30
20
10
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
January-21


MW-105A Historical Groundwater Analytical Results
PCE
TCE
DCE
PCE Concentration (µg/L)
TCE and DCE Concentration (µg/L)
25
20
15
10
5
0
14
12
10
8
6
4
2
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
January-21


TW-5 Historical Groundwater Analytical Results
PCE Concentration (µg/L)
TCE and DCE Concentration (µg/L)
PCE
TCE
DCE
45
40
35
30
25
20
15
10
5
0
3.5
3
2.5
2
1.5
1
0.5
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
January-21


MW-111 Historical Groundwater Analytical Results
PCE
TCE
DCE
PCE Concentration (µg/L)
TCE and DCE Concentration (µg/L)
70
60
50
40
30
20
10
0
9
8
7
6
5
4
3
2
1
0
September-89
August-92
June-95
April-98
February-01
December-03
October-06
September-09
July-12
May-15
March-18
January-21