PERIODIC REVIEW REPORT

275 FRANKLIN STREET SITE (BCP SITE NO. C915208)
AND
432 PEARL STREET SITE (BCP SITE NO. C915237)

BUFFALO, NEW YORK

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Prepared for:

BUFFALO DEVELOPMENT CORPORATION

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1.0 INTRODUCTION

Benchmark Environmental Engineering & Science, PLLC (Benchmark) has prepared this Periodic Review Report (PRR) to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site Nos. C915208 and C915237 located in the City of Buffalo, Erie County, New York.

This PRR has been prepared for the subject BCP Sites in accordance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (Ref 1). Appendix A includes the Institutional and Engineering Control (IC/EC) Certification Forms completed based on the Site inspection performed April 27, 2021.

This PRR and associated certifications have been completed on behalf of the BCP Site owner, Buffalo Development Corporation (BDC), to document post-remedial activities covered by the Site Management Plan (SMP; Ref. 2). The NYSDEC's June 15, 2020 PRR acceptance letter modified the post-remedial reporting period covered by this PRR to April 27, 2020 to April 27, 2021 for both the 275 Franklin Street Site and 432 Pearl Street Site.

1.1 Site Background

In October 2006, BDC entered into a Brownfield Cleanup Agreement (BCA) with NYSDEC to investigate and remediate 275-277 Franklin Street and 279 Franklin Street, an approximate 0.27-acre property located in Buffalo, New York. Later, 267 Franklin Street and 432 Pearl Street, approximately 0.7 acres combined, were incorporated into the "432 Pearl Street Site" under BCP Site Number C915237. Both properties are in the County of Erie, New York and encompasses tax parcel numbers 111.38-2-22, 111.38-2-23, 111.38-2-20.1, and 111.38-2-4.1 per Erie County Tax Map records. The Sites are bounded by a restaurant and surface parking lot to the north, Pearl Street to the east, a mixed-use building to the south, and Franklin Street to the west (see Figures 1 and 2).

Neither Site has redevelopment plans outside of the current uses. The BCP Sites were remediated to NYSDEC Part 375 Track 4 restricted-residential soil cleanup objectives (RRSCOs).

1.2 Summary of Historical Investigation Findings

1.2.1 Preliminary Investigations

In September 2004, a Limited Environmental Investigation was performed at 275-277 Franklin Street by Nature's Way Environmental Consultants & Contractors, Inc. The results of that investigation indicated that the 275 Franklin Street Site soils and groundwater were impacted by tetrachloroethene (PCE), a chlorinated volatile organic compound (cVOC) typically associated with dry cleaning operations.

In March-June 2006, Benchmark performed a Preliminary Site Investigation at the BCP Sites. The Preliminary Site Investigation was performed to assess soil/fill materials and soil vapor on-site, and to ascertain if subsurface environmental conditions on these parcels were likely to impact redevelopment of the BCP Sites. The results of the investigation indicated that the 275 Franklin Street Site soils had been impacted by semi-volatile organic compounds (SVOCs), mercury, and lead. In addition, soil vapor samples collected from both BCP Sites contained elevated concentrations of cVOCs. Field screening of soil samples using a photoionization detector (PID) did not indicate VOC concentrations above background concentration

1.2.2 Remedial Investigation (RI)

RI activities were completed in November 2006, December 2006, and January 2007 for both BCP Sites. The following analytical results were obtained during the RI:

Soil/Fill

- Concentrations of pesticides, PCBs, and metals in subsurface soil were below Part 375 RRSCOs on the 275 Franklin Street Site.
- Concentrations of PCE were detected above RRSCOs on the 275 Franklin Street Site with the highest concentration (2,200 mg/kg) in the 8- to 10-foot interval in boring MW-6 during the April 2008 sampling event.
- Concentrations of VOCs, pesticides, and PCBs in subsurface soil were below Part 375 RRSCOs on the 432 Pearl Street Site.
- Concentrations of lead and mercury were detected slightly above their respective RRSCOs at one sample location on the 432 Pearl Street Site.
- PAHs, including benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)pyrene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene were

detected in subsurface soil above RRSCOs at one or two sample locations on the 432 Pearl Street Site.

- Soil samples collected by the NYSDEC and analyzed for VOCs during their 2009 Off-Site Investigation did not contain VOCs above Part 375 Unrestricted SCOs (USCOs).

Groundwater

- Total inorganic compound (arsenic, chromium, copper, iron, lead, manganese, and/or sodium) concentrations exceeded NYSDEC Class GA groundwater quality standards/guidance values (GWQS/GVs) at sample locations PZ-5, PZ-6, MW-1, and/or MW-2. These compounds either slightly exceeded their respective GWQS/GVs and/or are naturally occurring minerals.
- PAHs were detected only in MW-2 (and/or its blind duplicate) at estimated concentrations that exceeded their respective Class GA GWQSs/GVs.
- cVOCs are the primary contaminants of concern in shallow groundwater with PCE and/or its chemical breakdown products, trichloroethene (TCE) and cis-1,2-dichloroethene (DCE), detected above GWQS/GVs on both BCP Sites and off-site.
- The highest cVOCs concentrations were generally observed in the shallow groundwater near the former drycleaner on 275 Franklin Street Site and immediately downgradient on the 267 Franklin Street parcel, which is on the 432 Pearl Street Site.
- Deep groundwater across both BCP Sites contains low (residual) concentrations of cVOCs.

Soil Vapor Intrusion

- Soil vapor concentrations at the 432 Pearl Street Site ranged from non-detect to 140 ug/m^3 (PCE). Soil vapor results from the 275 Franklin Street Site reported PCE (14,000 ug/m^3), TCE (70 ug/m^3), and 1,1,1-trichloroethane (71 ug/m^3) concentrations among other constituents.
- Soil vapor samples collected from the 267 Franklin Street apartment building (part of the 432 Pearl Street Site) by NYSDEC exceeded NYSDOH air matrix criteria, indicating the need for on-site sub-slab soil vapor mitigation to minimize current exposure.
- Soil vapor samples collected from 265 Franklin Street (off-site) did not exceed the NYSDOH air matrix criteria.

1.3 Compliance

At the time of the annual Site inspection (04/27/2021), the Site was fully compliant with the NYSDEC-approved SMP (Ref 2).

1.4 Recommendations

Based on observations recorded during the Site inspection and IC/EC certification, no modifications are recommended for these Sites.

2.0 SITE OVERVIEW

All remediated parcels included in the 275 Franklin Street Site and 432 Pearl Street Site are subject to a comprehensive, site-wide SMP that identifies requirements for monitoring and maintenance of IC/ECs and procedures for post-remedial excavation and related activities. Final remedial activities undertaken at both Sites are described below.

2.1 Summary of Remedial Actions

Benchmark Environmental Engineering & Science, PLLC in association with TurnKey Environmental Restoration, LLC (Benchmark-TurnKey) was retained by BDC to serve as the design-builder and Engineer of Record for the BCP activities with oversight provided by the NYSDEC.

2.1.1 Interim Remedial Measures (IRMs)

On July 1, 2008, the NYSDEC approved the IRM Work Plan (Ref. 3) prepared by Benchmark to identify the scope of the planned remedial measures for the 275 Franklin Street Site and the means by which they will be completed. Remedial measures were implemented from summer 2008 through fall 2009. The NYSDEC Division of Environmental Remediation monitored the remedial actions to verify the work was performed in accordance with the BCA, the approved IRM Work Plan, and DER-10 (Ref. 1). IRMs were implemented on behalf of BDC to promptly address on-site soil and groundwater on the 275 Franklin Street Site impacted by cVOCs to immediately mitigate public health and environmental concerns.

Soil Vapor Extraction System

A soil vapor extraction (SVE) system was installed on the 275 Franklin Street Site and operated continuously from December 8, 2008 until February 2009 when it was temporarily shut-down due to winter weather. The system was restarted on March 11, 2009 and ran continuously through September 2009. Post-IRM soil samples collected on September 17, 2009 were compared to pre-IRM data from April 2008 and Part 375 RRSCOs. The February 2009 data show significant reductions of cVOCs in unsaturated soils to well below RRSCOs and below unrestricted SCOs (USCOs). Toxicity Characteristic Leaching Procedure (TCLP) analysis also verified that these remediated soils were not characteristically hazardous.

In-Situ Groundwater Treatment

In August 2008, in-situ enhanced bioremediation of cVOCs in groundwater was performed via injection of hydrogen release compound (HRC) into 14 delivery points at 275-277 Franklin and 21 delivery points at 279 Franklin. Following HRC injection, a groundwater sampling program, consisting of eight monitoring events conducted between October 2008 and June 2012, was implemented to evaluate the effectiveness of the in-situ groundwater treatment program. The data generally showed lower trending residual concentrations of total cVOCs in monitoring wells on both BCP Sites except for shallow well MW-5 (located on the 275 Franklin Street Site), which contained relatively high residual cVOC concentrations.

Active Sub-Slab Depressurization System

Although not part of the IRM Work Plan, the NYSDEC installed an active sub-slab depressurization (ASD) system within the 267 Franklin Street apartment building (on the 432 Pearl Street Site) prior to BDC's ownership of that parcel. Malcolm Pirnie, Inc. performed initial communication testing of the sub-slab to evaluate the number of extraction points and type of exhaust fans required to optimize the systems performance under the specific Site conditions. The communication testing and system installation is detailed in the Immediate Investigation Work Assignment Summary Report, 275 Franklin Street Site, Buffalo, NY prepared by Malcolm Pirnie, Inc. in December 2009 for the NYSDEC (Ref. 4). Two separate ASD systems (one on the south side and one on the north side) were designed and installed by Mitigation Tech under contract to Malcolm Pirnie, Inc.:

- Each system is made up of a network of 3-inch and 4-inch diameter PVC piping that provides multiple suction points below the concrete basement floor. The systems provide continuous vacuum in the sub-slab through operation of in-line fans mounted at the end of the system above the roof line.
- System 1 has five suction points and two RadonAway RP-265 series centrifugal in-line fans. System 2 has three suction points and one RadonAway GP-501 series centrifugal in-line fan. U-tube monometers for each system are installed on vertical risers to provide evidence and measurement of system vacuum. Figure 4 shows the layout of the ASD system.
- Malcolm Pirnie performed pre-ASD system installation air sampling events in May and October 2008, and the system began operation in December 2008. Post-ASD system activation air sampling events were performed in February and September

2009. Following installation of the vapor mitigation system, measured concentrations of TCE and PCE were significantly reduced. Where detected in the September 2009 indoor air samples, TCE and PCE concentrations were well below the recommended DOH action levels.

The ASD is maintained and monitored in accordance with the NYSDEC-approved SMP. In the summer 2015, BDC replaced (in kind) the RadonAway GP-501 Series centrifugal in-line fan.

2.1.2 Final Remedial Actions

In April 2010, BDC submitted a RI/AA/IRM Report (Ref. 5) to NYSDEC that summarized the RI, supplemental remedial activities, and the IRM completed in 2008-2009. NYSDEC provided a comment letter to that report in February 2011 that, amongst other items, required additional groundwater remedial measures beyond the proposed in-situ HRC injections in the vicinity of MW-5 "source area" on the 275 Franklin Street Site in order to mitigate off-site migration of cVOCs.

The Revised RI/AA/IRM Report was submitted in January 2013. NYSDEC provided additional comments in July 2013 and prepared draft Proposed Decision Documents for each BCP Site. The final RI/AA/IRM Report was submitted to NYSDEC in July 2013 and approved September 30, 2013.

The following is a summary of the Remedial Actions performed at the BCP Sites:

1. Maintenance of the existing cover system to allow for continued commercial use of the Site.
2. Injection of a solution, zero valent iron (ZVI) and nutrients, into Site groundwater in April 2014 to enhance both abiotic and biological reductive processes.
3. Injection of a chemical oxidant into Site groundwater and saturated "smear zone" interval in March and April 2016 to destroy organic contaminants (Ref. 6).
4. Excavation of source area soil/fill in December 2016 with application of a chemical oxidant to excavation bottom to address residual impact prior to backfilling (Ref. 7). The area was backfilled with clean overburden soil followed by demarcation fabric then clean imported sand and stone. The asphalt cover system was reinstalled to match surrounding grade.
5. Execution of recording of an Environmental Easement to restrict groundwater and land use and prevent future exposure to any contamination remaining at the Site.

6. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting.

These additional final remedial actions were completed at the Site from April 2014 to December 2016; the asphalt repair was completed in September 2017. The remedial program was successful in achieving the remedial objectives for the Sites and are described in more detail in the NYSDEC-approved July 2017 Final Engineering Report (FER; Ref. 8). NYSDEC issued Certificates of Completion (COCs) for 275 Franklin Street Site on December 27, 2017 and 432 Pearl Street Site on December 28, 2017.

3.0 REMEDY PERFORMANCE

A post-remedial Site inspection involving a walk-over of both BCP Sites was performed on April 27, 2021 by Ms. Lori Riker, P.E. of Benchmark to visually observe and document the use of the Site for restricted-residential use, confirm absence of Site groundwater use, inspect the integrity of the cover system, confirm ASD system operation, and verify conformance with other requirements under the SMP. The Site inspection confirmed that the controls are in-place and functioning as intended in accordance with the SMP.

Appendix A includes the completed IC/EC Certification forms. Appendix B includes photographs taken during the April 27, 2021 inspection.

4.0 SITE MANAGEMENT PLAN

A site-wide SMP was prepared for the 275 Franklin Street and 432 Pearl Street Sites in July 2017 and approved by NYSDEC. Key components of the SMP are described below.

4.1 Institutional and Engineering Control (IC/EC) Plan

Since remaining contaminated soil/fill and groundwater exists beneath both 275 Franklin Street and 432 Pearl Street Sites, IC/ECs are required to protect public health and the environment. The IC/EC Plan describes the procedures for the implementation and management of all IC/ECs on the Sites.

4.1.1 Institutional Controls

The following institutional controls apply to both Sites:

- The property may only be used for restricted-residential or commercial use provided that the long-term IC/ECs included in the SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted and residential use, without additional remediation and amendment of the Environmental Easements, as approved by the NYSDEC.
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP.
- The use of groundwater underlying the property as a source of potable or process water is prohibited without necessary water quality treatment, as determined by the NYSDOH or County DOH, rendering it safe for intended use.
- The potential for vapor intrusion must be evaluated for any new buildings developed on the property, and any potential impacts that are identified must be monitored or mitigated.
- Compliance with the Operation & Maintenance Plan, included as Section 4 of the SMP (Ref. 2), for the maintenance and monitoring of the existing vapor intrusion ASD system within the 14-unit apartment building at 267 Franklin Street.
- Vegetable gardens and farming on the BCP Sites are prohibited.
- The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that

constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time to evaluate the continued maintenance of controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

4.1.2 Engineering Controls

Engineering controls include:

- Cover System (both Sites): The cover system, including building foundations, concrete sidewalks, concrete or asphalt driveways, parking areas, and landscaped vegetated areas, must be maintained in compliance with the SMP.
- In-Situ Plume Reduction: On the 275-277 Franklin Street property, PersulfOx was added to the base of the 2016 excavation to address residual groundwater contamination in-situ.
- Vapor Intrusion Mitigation: Requires placement of a vapor barrier beneath newly installed building concrete floor slabs for both Sites and continued operation of the ASD system installed within the 267 Franklin Street apartment building (on the 432 Pearl Street Site).

At the time of the Site inspection, the Sites covered by this PRR were fully compliant with all IC/EC requirements except for minor repair needed on the cover system as discussed in Section 4.3.

4.2 Excavation Work Plan

An Excavation Work Plan (EWP) was included in Appendix B of the approved SMP. The EWP provides guidelines for the management of soil/fill material during any future intrusive activities. Any intrusive work that will penetrate the cover system, or encounter or disturb the remaining contamination, including any modifications or repairs to the existing cover system, must be performed in compliance with the EWP and conducted in accordance with a site-specific Health and Safety Plan (HASP) and Community Air Monitoring Plan (CAMP) included with the SMP.

There were no intrusive activities requiring management of on-site soil or fill material, placement of backfill materials, or disturbance of the cover system during the monitoring period. No repairs to the cover system were required during the reporting period.

4.3 Reporting Period Site Work

Work completed at the Site by Benchmark during this reporting period includes the replacement of three piezometer (PZ-2, PZ-8, and PZ-9) road boxes and well caps on September 29, 2020 by Earth Dimensions. Old concrete with attached road boxes were taken off-site by the contractor. Minimal spoils generated during the intrusive work were used as backfill beneath the new road box and concrete. Piezometer PZ-3 was cut down so that the existing well cover could sit flush with surrounding asphalt Site cover.

NYSDEC completed repairs at off-site wells MW-23D, MW-25S, MW-26S, and MW-27S. Well MW-23D had a new concrete pad and cap installed on November 13, 2020. Wells MW-25S, MW-26S, and MW-27S were all uncovered below asphalt.

4.4 Annual Inspection and Certification Program

The Annual Inspection and Certification Program outlines requirements for certifying and attesting that the IC/ECs employed on the Sites are unchanged from the original design and/or previous certification. The Annual Certification includes a Site inspection and completion of the NYSDEC's IC/EC Certification Form. The Site inspection is intended to verify that the IC/ECs:

- Are in place and effective.
- Are performing as designed.
- That nothing has occurred that would impair the ability of the controls to protect the public health and environment.
- That nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls.
- Access is available to the Site to evaluate continued maintenance of such controls.

Inspection of 275 Franklin Street Site and 432 Pearl Street Site was conducted by Ms. Lori Riker, P.E. of Benchmark on April 27, 2021. Ms. Riker is a licensed and registered NY State Professional Engineer, which meets the requirements of a Qualified Environmental Professional (QEP) per 6NYCRR Part 375.12. At the time of the inspection, no new redevelopment activities were noted on either the 275 Franklin Street or 432 Pearl Street Sites. The asphalt cover present on both Sites was intact and functioning as intended. No observable indication of intrusive activities was noted during the Site inspection.

Appendix A includes the completed Site Management PRR Notice – Institutional and Engineering Controls Certification Forms. Appendix B includes a PRR photo log.

4.5 Operation, Monitoring and Maintenance Plan

The Operation, Monitoring and Maintenance (OM&M) Plan describes the measures necessary to operate, monitor, and maintain the mechanical components of the remedy selected for the Site and is more fully described in Section 4.0 of the SMP.

Information on non-mechanical Engineering Controls (i.e., cover system) is provided in Section 4.1 of this PRR.

4.5.1 Sub-Slab Depressurization System

The ASD system manometers and roof-top fans were inspected by Ms. Lori Riker, P.E. of Benchmark on April 27, 2021. The vacuum readings (in H_2O) from each systems' u-tube manometers at the time of the inspection were 1.3 inches of water column (w.c.) at ASD System #1 and 0.5 inches of w.c. at ASD System #2. At the time of the inspection, readings confirmed adequate depressurization and fans were operating as designed. Monthly ASD system readings recorded by the apartment building maintenance manager confirm both systems continue to operate as designed. Appendix C includes the ASD logs for Systems #1 and #2.

Figure 4 provides a layout of the system depicting the piping, fan locations, and extraction points. ASD system installation and manual information is included in Appendix H of the SMP (Ref. 2).

5.0 GROUNDWATER MONITORING

Groundwater monitoring events were completed in general accordance with the SMP. Sampling of piezometers PZ-4R, PZ-5, PZ-6, PZ-11, PZ-12, PZ-13, PZ-14 and monitoring wells MW-5R, MW-23S, MW-24S and MW-24D was completed on November 13, 2020 and April 1, 2021.

Post-remedial groundwater and performance monitoring consisted of collecting groundwater samples using low-flow sampling procedures per Benchmark's Field Operating Procedure (FOP) contained in Appendix E of the SMP. Table 1 summarizes the monitoring well and piezometer construction details. Table 2 provides groundwater elevation data between October 2008 and April 2021. Figures 5 and 6 present the groundwater isopotential maps for the November 2020 and April 2021 sampling events. Groundwater flow is consistent with previous figures, flowing southwest across the Sites. Figures 7 and 8 present the isoconcentration maps for total cVOCs using the November 2020 and April 2021 groundwater data.

Groundwater samples from each of the sampled wells/piezometers were analyzed for TCL VOCs per USEPA Method 8260. Field parameters including pH, temperature, specific conductance, turbidity, dissolved oxygen, and oxidation-reduction potential were also collected. Groundwater samples were submitted under chain-of-custody command to Alpha Analytical, a NYSDOH ELAP laboratory, for analysis. Appendix D includes the laboratory analytical data packages and field notes. The November 2020 and April 2021 groundwater data were submitted to the NYSDEC EQuIS database on May 10, 2021.

Table 3 summarizes analytical data from recent as well as historic groundwater monitoring events with comparison to Class GA GWQS/GVs as listed in NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1). Table 4 summarizes VOC analytical data and GWQS exceedances at wells/piezometers following the excavation completed in 2016. Benchmark has performed eight groundwater sampling events at four monitoring wells and seven piezometers since the 2016 remedial excavation. On-site and off-site groundwater quality results are discussed below.

On-Site Groundwater Quality:

Results indicate an overall decreasing trend in cVOC (specifically cis-1,2-DCE, PCE and TCE) concentrations at most of the monitoring locations. Monitoring well MW-5R (former source area well) had a 99% reduction in both total cVOCs and PCE concentrations between the pre- and post-excavation sampling. The November 2020 and April 2021 sampling events are summarized below with a comparison to historic post-excavation sampling results (see Table 4):

- PCE was detected above GWQS at all monitored locations with concentrations ranging between 25 and 3,000 ppb. An overall concentration decrease was observed at most piezometers over the eight post-excavation sampling events. PCE concentrations in piezometers PZ-12. PZ-13, and PZ-14 and well MW-5R have fluctuated but are generally lower than 2019 results.
- TCE was detected above the GWQS at piezometers PZ-4R, PZ-11, PZ-13, and PZ-14, with concentrations ranging from 6.6 to 38 ppb. The TCE concentrations at well MW-5R were 140 and 210 ppb, which are consistent with 2019/2020 concentrations.
- Cis-1,2-DCE was detected above the GWQS at piezometers PZ-4R, PZ-13, and PZ-14, with concentrations ranging from 28 to 580 ppb. The cis-1,2-DCE concentrations at well MW-5R were 380 and 280 ppb. In all cases, the concentrations were lower in April 2021 compared to November 2020. The method detection limit (MDL) at PZ-11 (14 ppb) is slightly above the GWQS (5 ppb).
- Vinyl chloride (VC) was only detected in piezometers PZ-13 (4.9 ppb in November 2020 and 3.9 ppb in April 2021) and PZ-14 (82 ppb in November 2020 and 6.3 ppb in April 2021). Over the eight post-excavation sampling events, a general concentration decrease was observed at piezometers PZ-13 and PZ-14.

Off-Site Groundwater Quality:

Off-site monitoring wells include MW-23S and MW-24S (sampled by Benchmark), MW-24D (sampled by Benchmark and NYSDEC), and MW-23D, MW-25S, MW-26S, and MW-27S (sampled by NYSDEC). Total cVOC (specifically PCE) concentrations in shallow overburden well MW-24S had been steadily decreasing over the six post-excavation sampling events; however, during the April 2021 sampling event, PCE concentrations increased from 2,000 ppb in November 2020 to 6,100 ppb in April 2021. Shallow off-site groundwater results at well MW-24S suggest plume migration of cVOCs immediately downgradient from the Site.

Total cVOC concentrations in downgradient wells MW-23S (only PCE) and MW-25S during the November 2020 sampling event decreased as compared to April 2020 concentrations and remain an order of magnitude lower than concentrations at well MW-24S. For the April 2021 event, the PCE concentration in well MW-23S remained essentially the same and well MW-25S increased slightly but was the same order of magnitude as the November 2020 concentrations. Well MW-27S was uncovered by NYSDEC and sampled in November 2020 and April 2021. The well had not been sampled since May 2017. PCE was detected above historic concentrations (25 ppb) during the November 2020 sampling event but decreased to 6.6 ppb during the April 2021 event.

Total cVOC concentrations in deep well MW-24D fluctuate but remain below 1 ppm and are an order of magnitude lower than paired shallow well MW-24S. Downgradient deep well MW-23D was uncovered and sampled by NYSDEC in November 2020 and April 2021. No cVOC concentrations exceeded GWQSs. The well had not be sampled since July 2015 and 2020/2021 results remained consistent with historic values.

5.1 Data Usability

Appendix E includes the data usability summary report (DUSR) completed by Data Validation Services for the samples collected by Benchmark. Results for the samples are usable either as reported or with minor qualification as estimated due to failure for calibration standard responses to meet validation guidelines. Results for 1,4-dioxane have been rejected due to low responses in the calibration standards; however, 1,4-dioxane was not detected about the method detection limit in any sample.

NYSDEC completed groundwater sampling on November 17, 2020 and April 5, 2021. RemVēr reviewed the data and completed a Data Usability Summary Report (DUSR), provided in Appendix E. No data was rejected, and most data was acceptable for use as-is. Certain results were flagged indicating non-detection or quality issues arising from sample handling, laboratory accuracy, or precision issues.

Table 3 has been updated to reflect the final accepted data.

6.0 CONCLUSIONS AND RECOMMENDATIONS

At the time of the Site inspection:

- The cover system at 275 Franklin Street and 432 Pearl Street Sites complied with the SMP.
- The ASD systems within the apartment building at 267 Franklin Street have been monitored monthly and determined to be functioning properly.
- Most on-site groundwater monitoring locations indicate decreasing trends, affirming that remedial actions have been effective in removing source contamination and are continuing to degrade contaminants of concern.
- The concentration of PCE increased during the April 2021 sampling event at off-site groundwater monitoring well MW-24S located downgradient of the Site indicating historic plume migration traveling in the direction of groundwater flow.

As outlined in the July 2017 SMP, the frequency of groundwater monitoring is semi-annual for two years then annual for two years. Since July 2017, six semi-annual groundwater sampling events have been performed and cVOCs have significantly decreased on-site with plume migration noted off-site; therefore, we recommend moving into the annual groundwater monitoring phase to monitor off-site plume migration and confirm continued reduction of cVOCs on-site. The next annual sampling event will be performed in April 2022. No additional modifications are recommended for the 275 Franklin Street and 432 Pearl Street Sites.

7.0 DECLARATION/LIMITATIONS

Benchmark Environmental Engineering & Science, PLLC personnel conducted the annual site inspection for BCP Site Nos. C915208 and C915237 in Buffalo, New York, according to generally accepted practices. This report complies with the scope of work provided to Buffalo Development Corporation by Benchmark Environmental Engineering & Science, PLLC.

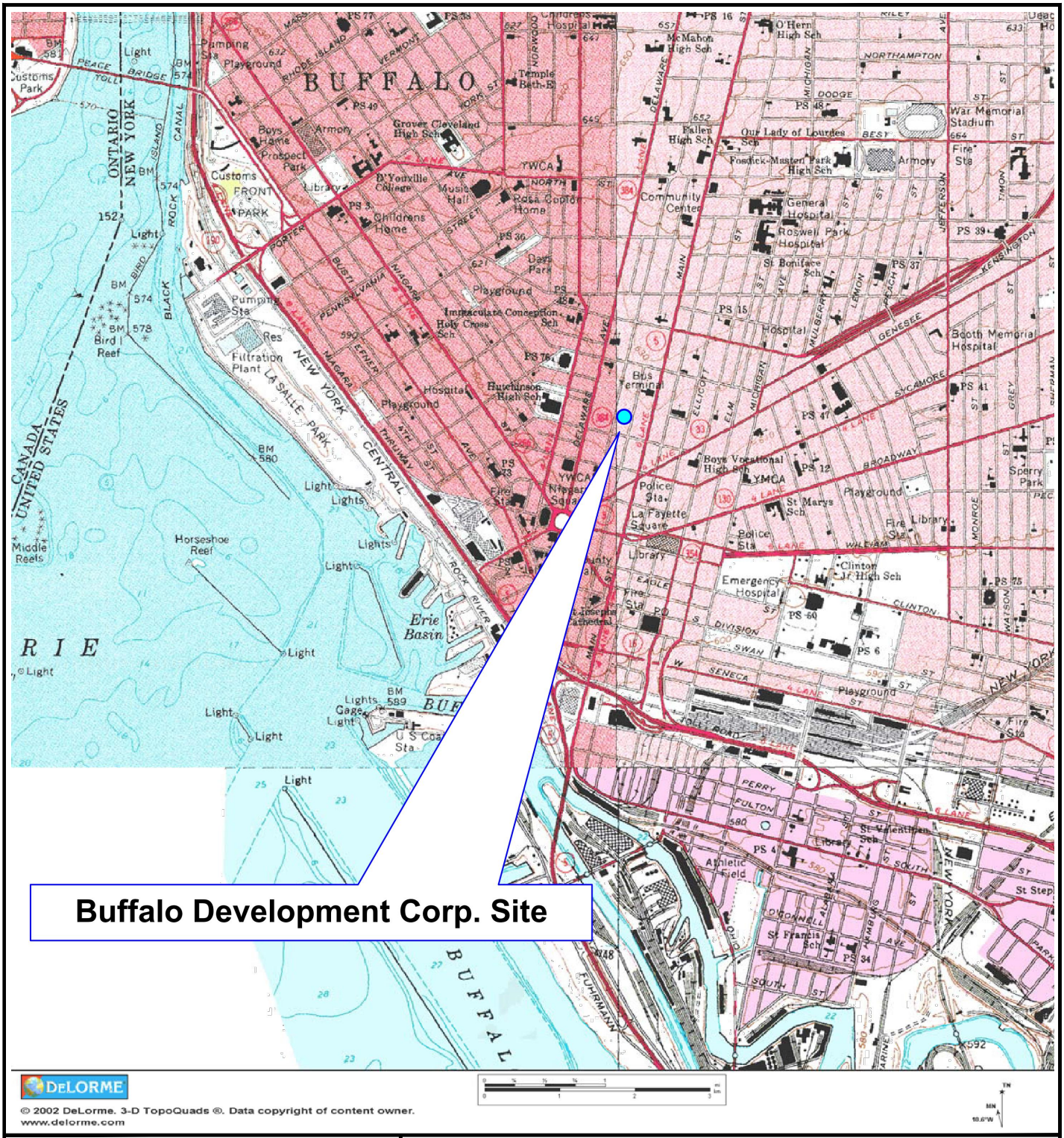
This PRR has been prepared for the exclusive use of Buffalo Development Corporation. The contents of this PRR are limited to information available at the time of the Site inspection. The findings herein may be relied upon only at the discretion of Buffalo Development Corporation. Use of or reliance upon this PRR or its findings by any other person or entity is prohibited without written permission of Benchmark Environmental Engineering & Science, PLLC.

8.0 REFERENCES

1. New York State Department of Environmental Conservation. *DER-10/ Technical Guidance for Site Investigation and Remediation*. May 3, 2013.
2. Benchmark Environmental Engineering & Science, PLLC. *Site Management Plan, 275 Franklin Street Site, BCP Site No. C915208 and 432 Pearl Street Site, BCP Site No. C915237, Buffalo, New York*. July 2017
3. Benchmark Environmental Engineering & Science, PLLC. *Interim Remedial Measures Work Plan, 275 Franklin Street Site, Buffalo, NY*. June 2008
4. New York State Department of Environmental Conservation. *Immediate Investigation Work Assignment Summary Report, 275 Franklin Street Site, Buffalo, New York*. December 2009.
5. Benchmark Environmental Engineering & Science, PLLC and TurnKey Environmental Restoration, LLC. *Remedial Investigation/Alternatives Analysis/Interim Remedial Measures Report, 275 Franklin Street & 432 Pearl Street Sites, Buffalo, New York, BCP Site Nos. C915208 & C915237*. April 2010. Revised January and July 2013.
6. Benchmark Environmental Engineering & Science, PLLC. *Additional Remedial Measure Work Plan, 275 Franklin Street Site, Buffalo, New York, BCP Site No. C915208*. January 14, 2016.
7. Benchmark Environmental Engineering & Science, PLLC. *Remedial Action Work Plan – Revision 1, 275 Franklin Street Site, Buffalo, New York, BCP Site No. C915208*. November 22, 2016
8. Benchmark Environmental Engineering & Science, PLLC. *Final Engineering Report, 275 Franklin Street Site, BCP Site No. C915208 and 432 Pearl Street Site, BCP Site No. C915237, Buffalo, New York*. October 2017.

FIGURES

FIGURE 1



BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT

275 FRANKLIN STREET & 432 PEARL STREET SITES
BUFFALO, NEW YORK
BCP NO. C915208 & C915237

PREPARED FOR

BUFFALO DEVELOPMENT CORPORATION

PROJECT NO.:	0156-020-001
DATE:	NOVEMBER 2020
DRAFTED BY:	BCH-CMC

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F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\Figure 1; Site Location and Vicinity Map.dwg, 11/20/2020 4:36:25 PM, DWG To PDF.pc3

LEGEND:

- 275 FRANKLIN STREET BCP SITE (BCP NO. C915208)
- 432 PEARL STREET BCP SITE (BCP NO. C915237)
- EXISTING BUILDING
- PARCEL LINE
- FENCE
- MW-1 — DEEP (1) / INTERMEDIATE (2) MONITORING WELL
- MW-23S — OFF-SITE SHALLOW MONITORING WELL (5)
- MW-22S — OFF-SITE SHALLOW MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-23D — OFF-SITE DEEP MONITORING WELL (2)
- MW-22D — OFF-SITE DEEP MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-5R — SHALLOW MONITORING WELL
- PZ-4 — SHALLOW PIEZOMETER



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SUITE 300
BUFFALO, NY 14218
(716) 856-0599

JOB NO.: 0156-020-001

SITE PLAN (AERIAL)

PERIODIC REVIEW REPORT

275 FRANKLIN STREET SITE
BUFFALO, NEW YORK
BCP NO. C915208

PREPARED FOR

BUFFALO DEVELOPMENT CORPORATION

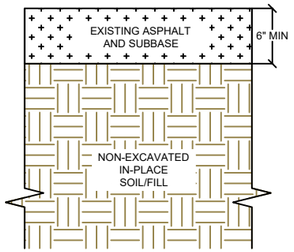
FIGURE 2

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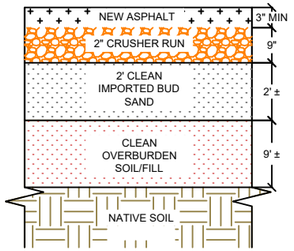
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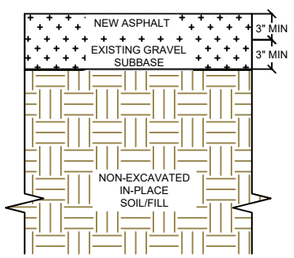
- 275 FRANKLIN STREET BCP SITE (BCP NO. C915208)
- 432 PEARL STREET BCP SITE (BCP NO. C915237)
- EXISTING BUILDING
- SEE COVER SYSTEM DETAIL 1
- SEE COVER SYSTEM DETAIL 2 (REMEDIAL EXCAVATION AREA)
- SEE COVER SYSTEM DETAIL 3 (NEW ASPHALT AREA)
- PARCEL LINE



COVER DETAIL 1



COVER DETAIL 2



COVER DETAIL 3



50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

N

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BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

JOB NO.: 0156-020-001

SITE WIDE COVER SYSTEM

PERIODIC REVIEW REPORT
275 FRANKLIN STREET & 432 PEARL STREET SITES
BUFFALO, NEW YORK
BCP NO. C915208 & C915237
PREPARED FOR
BUFFALO DEVELOPMENT CORPORATION

FIGURE 3

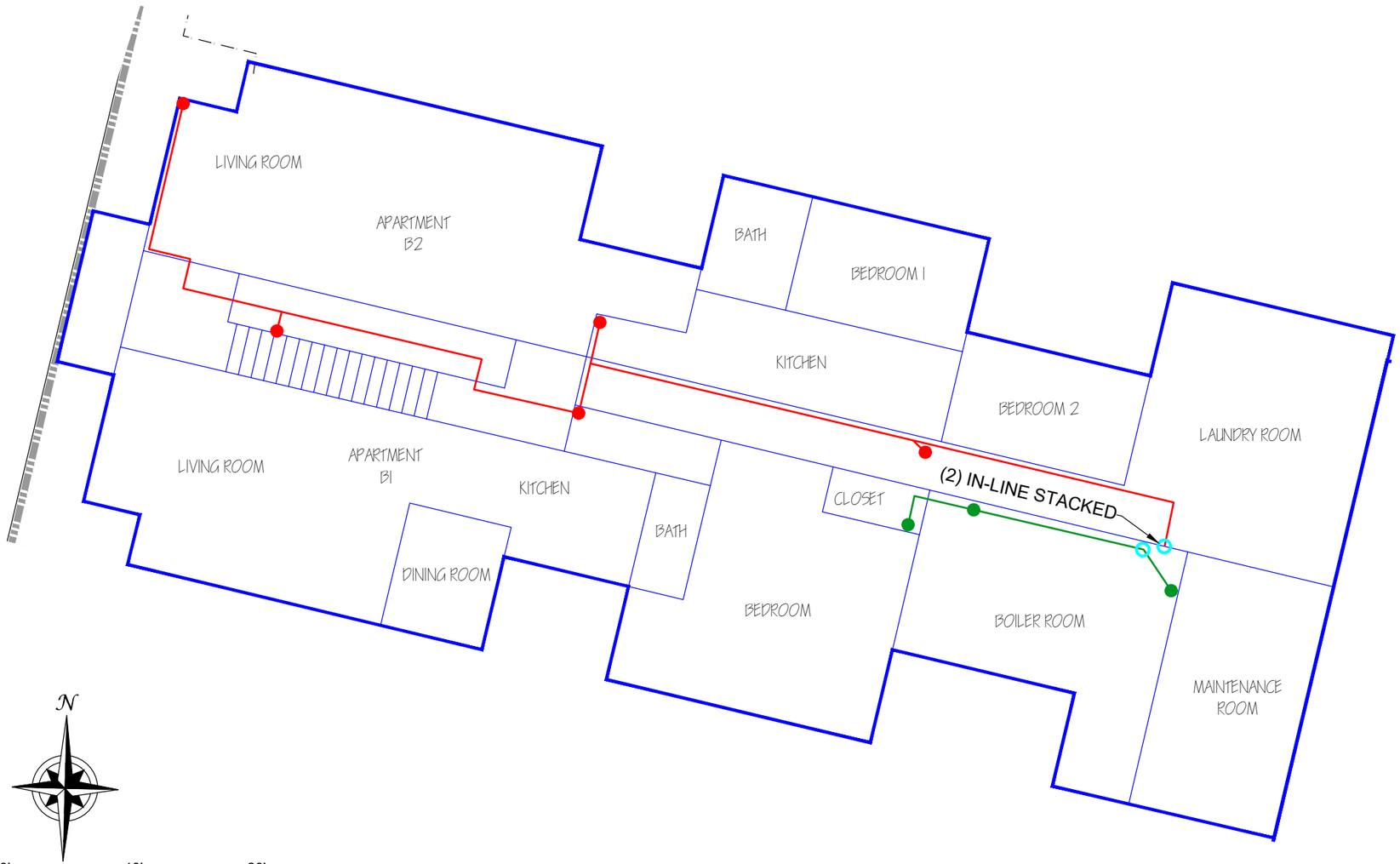
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F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\Figure 3; Site Wide Cover System.dwg, 11/20/2020 4:41:16 PM, DWG To PDF.pc3

LEGEND:

- 267 FRANKLIN STREET APARTMENT BUILDING (432 PEARL STREET BCP SITE)
- ASD SYSTEM 1 (5 SUBSLAB SUCTION POINTS): RP-265 Series Centrifugal In-Line Fans (2)
- ASD SYSTEM 2 (3 SUBSLAB SUCTION POINTS): GP-501 Series Centrifugal In-Line Fan (1)
- RADONAWAY IN-LINE FAN (3)

NOTES:
1. THIS FIGURE WAS DERIVED FROM THE MALCOLM PIRNIE IMMEDIATE INVESTIGATION WORK ASSIGNMENT SUMMARY REPORT DATED DECEMBER 2009.



N

10' 0' 10' 20'

SCALE: 1 INCH = 10 FEET
SCALE IN FEET
(approximate)

DATE: NOVEMBER 2020
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ASD SYSTEM LAYOUT
PERIODIC REVIEW REPORT
275 FRANKLIN STREET & 432 PEARL STREET SITES
BCP NO. C915208 & C915237
BUFFALO, NEW YORK
PREPARED FOR
BUFFALO DEVELOPMENT CORPORATION

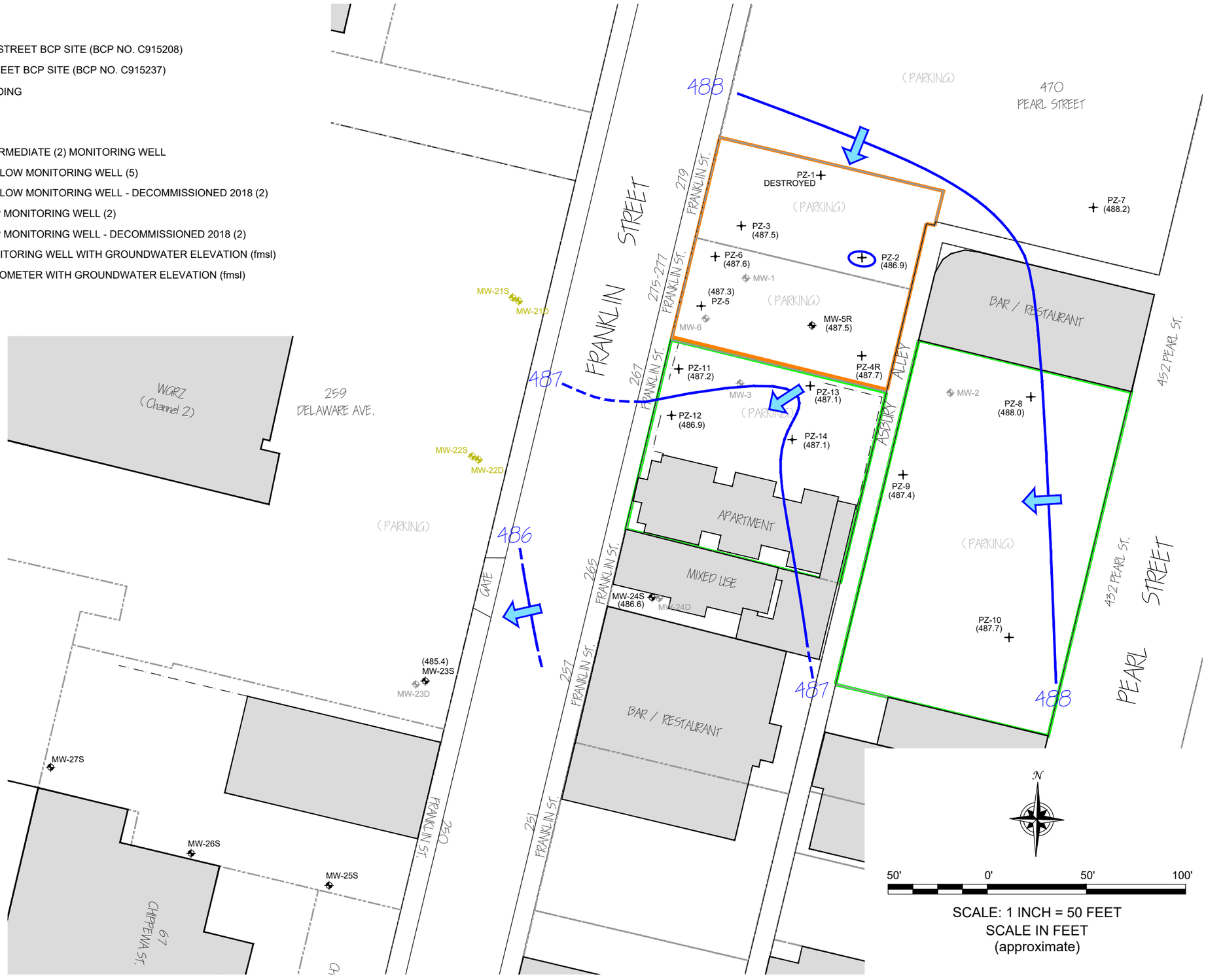
FIGURE 4

F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\Figure 4; ASD System Layout.dwg, 11/20/2020 4:43:16 PM, DWG To PDF.pc3

F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\2021\Figure 5; Shallow GW Isopotential Map - November 2020.dwg, 5/26/2021 1:54:36 PM

LEGEND:

- 275 FRANKLIN STREET BCP SITE (BCP NO. C915208)
- 432 PEARL STREET BCP SITE (BCP NO. C915237)
- EXISTING BUILDING
- PARCEL LINE
- FENCE
- MW-1 — DEEP (1) / INTERMEDIATE (2) MONITORING WELL
- MW-23S — OFF-SITE SHALLOW MONITORING WELL (5)
- MW-22S — OFF-SITE SHALLOW MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-23D — OFF-SITE DEEP MONITORING WELL (2)
- MW-22D — OFF-SITE DEEP MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-5R — SHALLOW MONITORING WELL WITH GROUNDWATER ELEVATION (fmsl)
- PZ-5 — SHALLOW PIEZOMETER WITH GROUNDWATER ELEVATION (fmsl)



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JOB NO.: 0156-020-001

SHALLOW OVERBURDEN ISOPOTENTIAL MAP (11/13/20)

PERIODIC REVIEW REPORT

275 FRANKLIN STREET SITE
BUFFALO, NEW YORK
BCP NO. C915208

PREPARED FOR

BUFFALO DEVELOPMENT CORPORATION

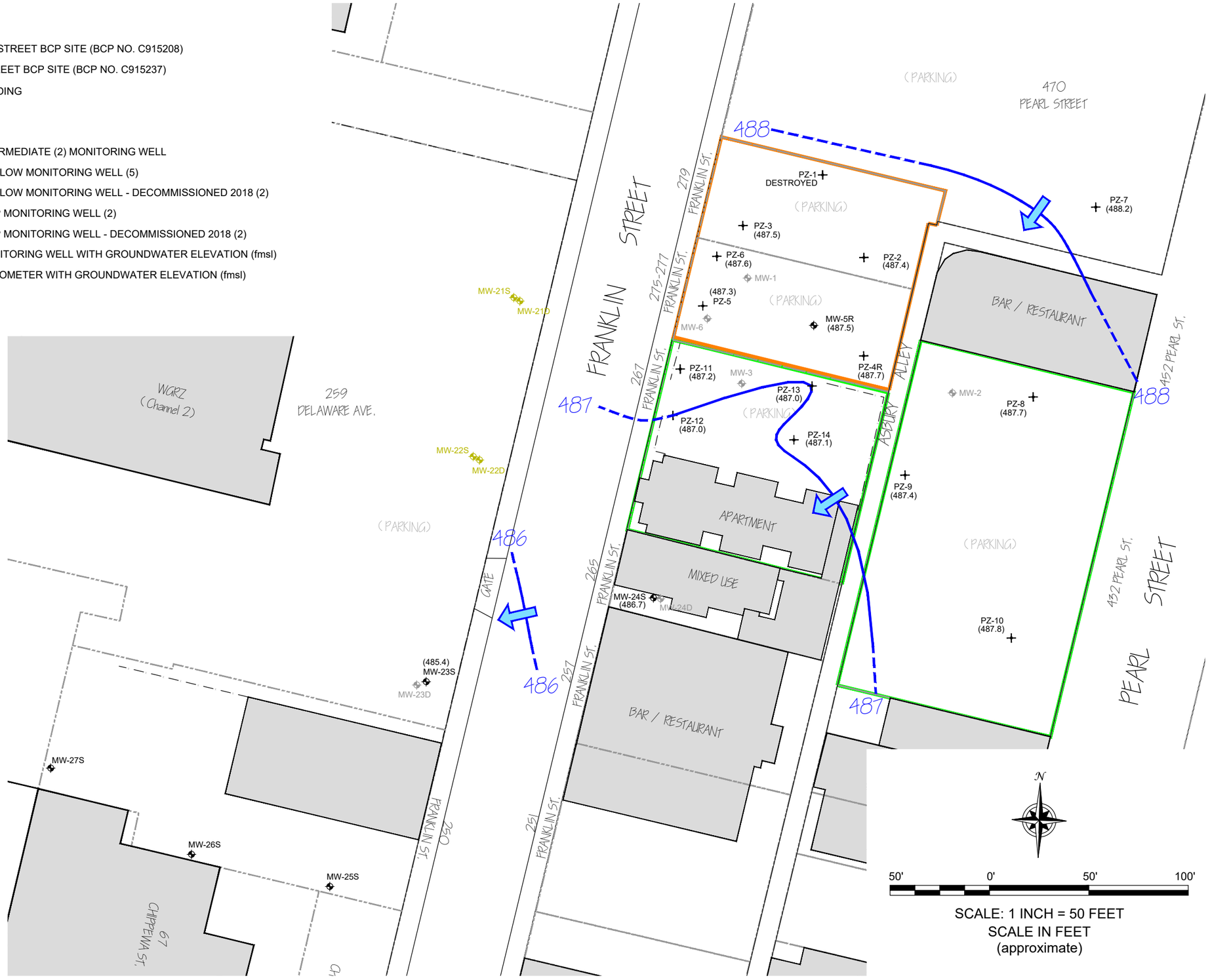
FIGURE 5

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F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\2021\Figure 6; Shallow GW Isopotential Map - April 2021.dwg, 5/26/2021 1:56:37 PM

LEGEND:

- 275 FRANKLIN STREET BCP SITE (BCP NO. C915208)
- 432 PEARL STREET BCP SITE (BCP NO. C915237)
- EXISTING BUILDING
- PARCEL LINE
- FENCE
- MW-1 — DEEP (1) / INTERMEDIATE (2) MONITORING WELL
- MW-23S — OFF-SITE SHALLOW MONITORING WELL (5)
- MW-22S — OFF-SITE SHALLOW MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-23D — OFF-SITE DEEP MONITORING WELL (2)
- MW-22D — OFF-SITE DEEP MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-5R — SHALLOW MONITORING WELL WITH GROUNDWATER ELEVATION (fmsl)
- PZ-5 — SHALLOW PIEZOMETER WITH GROUNDWATER ELEVATION (fmsl)



SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

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JOB NO.: 0156-020-001

SHALLOW OVERBURDEN ISOPOTENTIAL MAP (04/01/21)

PERIODIC REVIEW REPORT

275 FRANKLIN STREET SITE
BUFFALO, NEW YORK
BCP NO. C915208

PREPARED FOR

BUFFALO DEVELOPMENT CORPORATION

FIGURE 6

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F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\2021\Figure 7; Total cVOCs Concentration_Nov.2020_rev June 2021.dwg, 7/7/2021 9:24:49 AM

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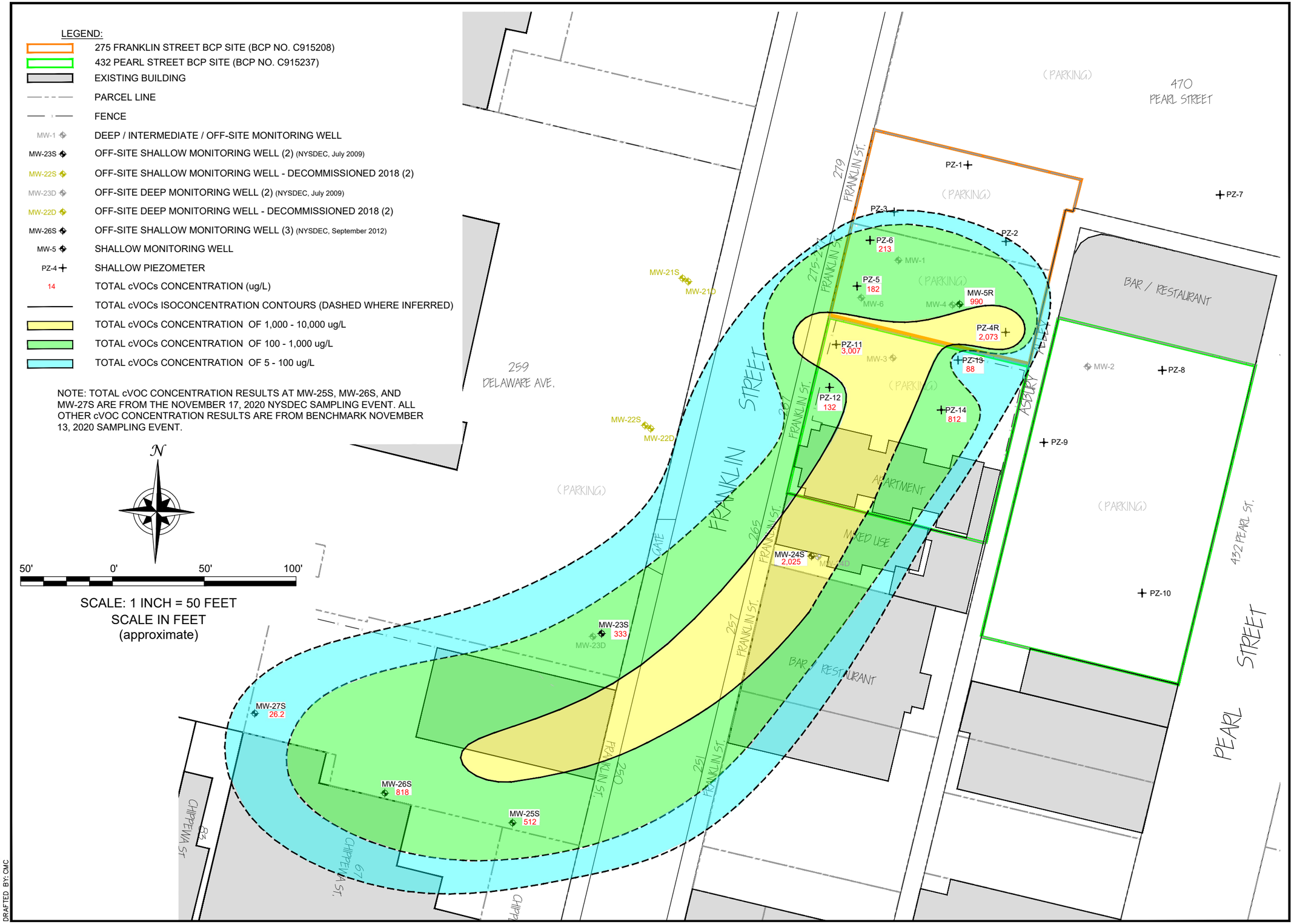
- 275 FRANKLIN STREET BCP SITE (BCP NO. C915208)
- 432 PEARL STREET BCP SITE (BCP NO. C915237)
- EXISTING BUILDING
- PARCEL LINE
- FENCE
- MW-1 — DEEP / INTERMEDIATE / OFF-SITE MONITORING WELL
- MW-23S — OFF-SITE SHALLOW MONITORING WELL (2) (NYSDEC, July 2009)
- MW-22S — OFF-SITE SHALLOW MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-23D — OFF-SITE DEEP MONITORING WELL (2) (NYSDEC, July 2009)
- MW-22D — OFF-SITE DEEP MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-26S — OFF-SITE SHALLOW MONITORING WELL (3) (NYSDEC, September 2012)
- MW-5 — SHALLOW MONITORING WELL
- PZ-4 — SHALLOW PIEZOMETER
- 14 — TOTAL cVOCs CONCENTRATION (ug/L)
- TOTAL cVOCs ISOCONCENTRATION CONTOURS (DASHED WHERE INFERRED)
- TOTAL cVOCs CONCENTRATION OF 1,000 - 10,000 ug/L
- TOTAL cVOCs CONCENTRATION OF 100 - 1,000 ug/L
- TOTAL cVOCs CONCENTRATION OF 5 - 100 ug/L

NOTE: TOTAL cVOC CONCENTRATION RESULTS AT MW-25S, MW-26S, AND MW-27S ARE FROM THE NOVEMBER 17, 2020 NYSDEC SAMPLING EVENT. ALL OTHER cVOC CONCENTRATION RESULTS ARE FROM BENCHMARK NOVEMBER 13, 2020 SAMPLING EVENT.

N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)



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BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

JOB NO.: 0156-020-001

SHALLOW OVERBURDEN TOTAL cVOCs ISOCONCENTRATION MAP (11/13/2020)

PERIODIC REVIEW REPORT

275 FRANKLIN STREET & 432 PEARL STREET SITES
BUFFALO, NEW YORK
BCP NO. C915208 & C915237

PREPARED FOR
BUFFALO DEVELOPMENT CORPORATION

FIGURE 7

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F:\CAD\Benchmark\Buffalo Development Corp\275 Franklin Street Site\0-PRR\2021\Figure 8; Total cVOCs Concentration_JUNE 2021.dwg, 7/7/2021 9:22:57 AM

LEGEND:

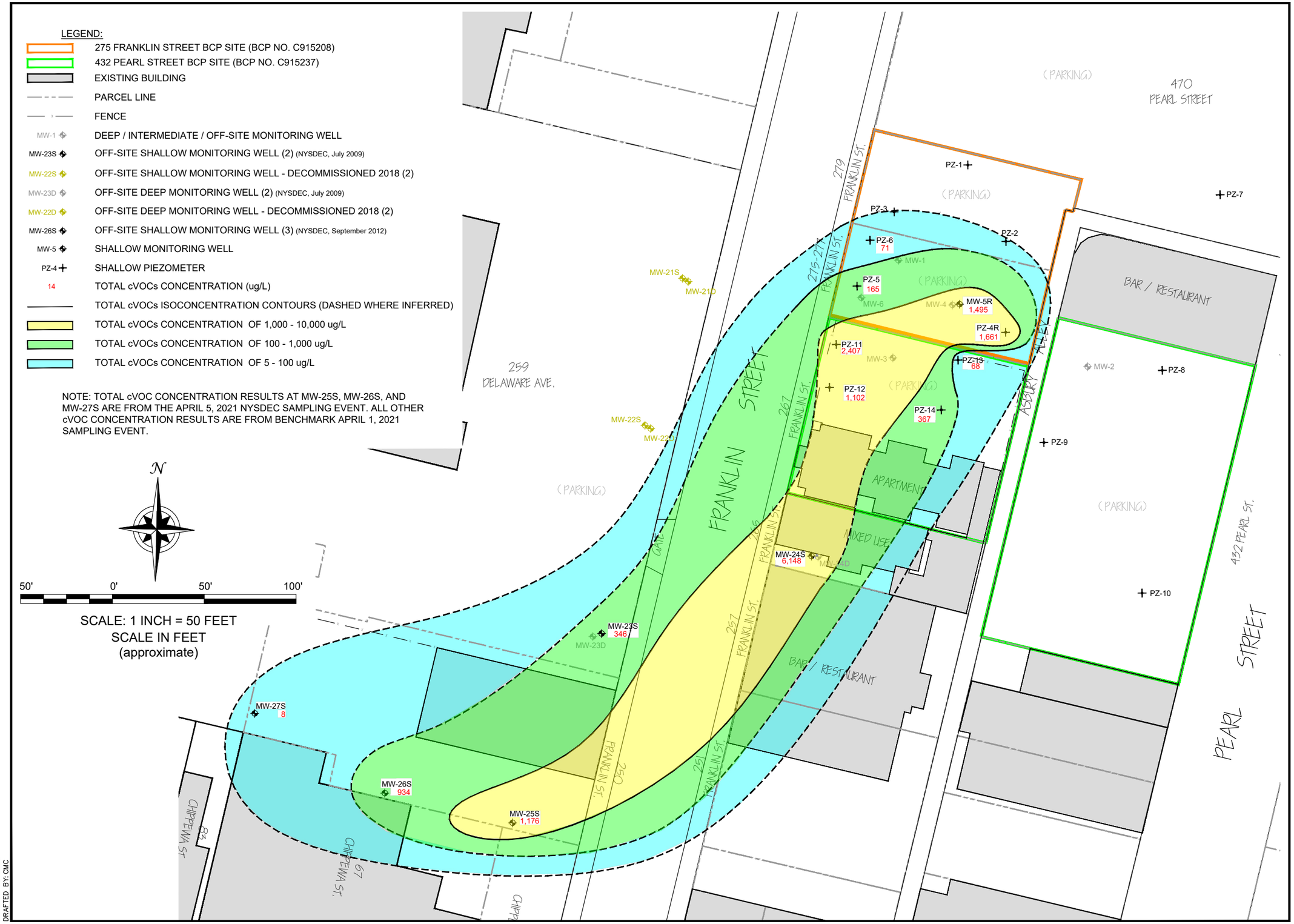
- 275 FRANKLIN STREET BCP SITE (BCP NO. C915208)
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- FENCE
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- MW-22S — OFF-SITE SHALLOW MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-23D — OFF-SITE DEEP MONITORING WELL (2) (NYSDEC, July 2009)
- MW-22D — OFF-SITE DEEP MONITORING WELL - DECOMMISSIONED 2018 (2)
- MW-26S — OFF-SITE SHALLOW MONITORING WELL (3) (NYSDEC, September 2012)
- MW-5 — SHALLOW MONITORING WELL
- PZ-4 — SHALLOW PIEZOMETER
- 14 — TOTAL cVOCs CONCENTRATION (ug/L)
- TOTAL cVOCs ISOCONCENTRATION CONTOURS (DASHED WHERE INFERRED)
- TOTAL cVOCs CONCENTRATION OF 1,000 - 10,000 ug/L
- TOTAL cVOCs CONCENTRATION OF 100 - 1,000 ug/L
- TOTAL cVOCs CONCENTRATION OF 5 - 100 ug/L

NOTE: TOTAL cVOC CONCENTRATION RESULTS AT MW-25S, MW-26S, AND MW-27S ARE FROM THE APRIL 5, 2021 NYSDEC SAMPLING EVENT. ALL OTHER cVOC CONCENTRATION RESULTS ARE FROM BENCHMARK APRIL 1, 2021 SAMPLING EVENT.

N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)



DATE: APRIL 2020
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BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

JOB NO.: 0156-019-002

SHALLOW OVERBURDEN TOTAL cVOCs ISOCONCENTRATION MAP (4/1/2021)

PERIODIC REVIEW REPORT

275 FRANKLIN STREET & 432 PEARL STREET SITES
BUFFALO, NEW YORK
BCP NO. C915208 & C915237

PREPARED FOR
BUFFALO DEVELOPMENT CORPORATION

FIGURE 8

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TABLES

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 1

SUMMARY OF MONITORING WELL / PIEZOMETER CONSTRUCTION DETAILS [1,2]

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Location [3]	Groundwater Unit	Installation Date	Well Diameter (inches)	Well Construction Material (screen/riser)	TOR Elevation (fmsl)	Ground Elevation (fmsl)	Stick-up (fbgs)	Construction Details (approx.)				Total Depth March 2010 (fbTOR)
								Bentonite Seal (fbgs)	Sand Pack Interval (fbgs)	Screened Interval (fbgs)	Sump Interval (fbgs)	
MONITORING WELLS:												
MW-1	intermediate	11/27/06	2.0	PVC / PVC	499.22	499.51	-0.29	1.00 - 26.67	26.67 - 38.67	28.67 - 38.67	none	38.67
MW-2	intermediate	11/28/06	2.0	PVC / PVC	499.81	500.08	-0.27	1.00 - 26.37	26.37 - 38.37	28.37 - 38.37	none	38.37
MW-3	intermediate	11/29/06	2.0	PVC / PVC	498.13	498.38	-0.25	1.00 - 25.92	25.92 - 37.92	27.92 - 37.92	none	37.92
MW-4	deep	04/22/08	2.0	PVC / PVC	499.56	499.93	-0.37	1.00 - 30.27	30.27 - 47.27	32.27 - 47.27	47.27 - 50.27	50.27
MW-5R	shallow	01/18/17	2.0	PVC / PVC	499.20	499.50	-0.30	1.00 - 6.79	6.79 - 18.79	8.79 - 18.79	none	18.79
MW-6	deep	04/24/08	2.0	PVC / PVC	498.72	499.03	-0.31	1.00 - 31.10	31.10 - 48.10	33.10 - 48.10	48.10 - 50.10	50.10
MW-7	deep	05/30/12	2.0	PVC / PVC	497.96	498.31	-0.35	26.28 - 31.28	31.28 - 48.28	33.28 - 48.28	48.28 - 50.28	50.28
PIEZOMETERS:												
PZ-1	*Destroyed*											
PZ-2	shallow	11/14/06	1.0	PVC / PVC	499.44	499.84	-0.40	1.00 - 3.52	3.52 - 15.52	5.52 - 15.52	none	15.52
PZ-3	shallow	11/14/06	1.0	PVC / PVC	499.03	499.44	-0.41	1.00 - 3.48	3.48 - 15.48	5.48 - 15.48	none	15.48
PZ-4	shallow	11/14/06	1.0	PVC / PVC	499.42	499.66	-0.24	1.00 - 3.47	3.47 - 15.47	5.47 - 15.47	none	15.47
PZ-4R	shallow	11/05/18	1.0	PVC / PVC	499.21	499.60	-0.39	1.00 - 2.79	2.79 - 14.79	4.79 14.79	none	14.79
PZ-5	shallow	11/14/06	1.0	PVC / PVC	498.44	498.92	-0.48	1.00 - 3.37	3.37 - 15.37	5.37 - 15.37	none	15.37
PZ-6	shallow	11/14/06	1.0	PVC / PVC	498.68	499.21	-0.53	1.00 - 3.42	3.42 - 15.42	5.42 - 15.42	none	15.42
PZ-7	shallow	11/15/06	1.0	PVC / PVC	500.95	501.13	-0.18	1.00 - 3.32	3.32 - 15.32	5.32 - 15.32	none	15.32
PZ-8	shallow	11/15/06	1.0	PVC / PVC	499.85	500.37	-0.52	1.00 - 3.17	3.17 - 15.17	5.17 - 15.17	none	15.17
PZ-9	shallow	11/15/06	1.0	PVC / PVC	498.46	499.01	-0.55	1.00 - 3.27	3.27 - 15.27	5.27 - 15.27	none	15.27
PZ-10	shallow	11/15/06	1.0	PVC / PVC	498.80	499.03	-0.23	1.00 - 2.37	2.37 - 14.37	4.37 - 14.37	none	14.37
PZ-11	shallow	12/27/06	1.0	PVC / PVC	497.79	498.18	-0.39	1.00 - 3.37	3.37 - 15.37	5.37 - 15.37	none	15.37
PZ-12	shallow	12/27/06	1.0	PVC / PVC	497.60	498.14	-0.54	1.00 - 3.37	3.37 - 15.37	5.37 - 15.37	none	15.37
PZ-13	shallow	12/27/06	1.0	PVC / PVC	497.88	498.47	-0.59	1.00 - 2.87	2.87 - 14.87	4.87 - 14.87	none	14.87
PZ-14	shallow	12/27/06	1.0	PVC / PVC	497.56	498.26	-0.70	1.00 - 2.72	2.72 - 14.72	4.72 - 14.72	none	14.72
OFF-SITE MONITORING WELLS (INSTALLED BY NYSDEC):												
MW-21S	shallow	05/13/09	2.0	PVC / PVC	497.36	497.88	-0.52	9.50 - 11.50	11.50 - 23.50	13.50 - 23.50	none	23.50
MW-21D	deep	05/12/09	2.0	PVC / PVC	497.58	497.90	-0.32	34.50 - 36.50	36.50 - 48.50	38.50 - 48.50	none	48.50
MW-22S	shallow	05/15/09	2.0	PVC / PVC	496.21	497.23	-1.02	3.00 - 5.00	5.00 - 17.70	7.70 - 17.70	none	17.70
MW-22D	deep	05/14/09	2.0	PVC / PVC	496.92	497.21	-0.29	33.50 - 36.00	36.00 - 48.00	38.00 - 48.00	none	48.00
MW-23S	shallow	05/19/09	2.0	PVC / PVC	496.91	497.46	-0.55	4.56 - 6.56	6.56 - 18.56	8.56 - 18.56	none	18.56
MW-23D	deep	05/19/09	2.0	PVC / PVC	497.18	497.52	-0.34	34.30 - 36.30	36.30 - 48.30	38.30 - 48.30	none	48.30
MW-24S	shallow	05/21/09	2.0	PVC / PVC	497.32	497.91	-0.59	4.63 - 6.63	6.63 - 18.63	8.63 - 18.63	none	18.63
MW-24D	deep	05/20/09	2.0	PVC / PVC	497.63	497.94	-0.31	33.53 - 35.53	35.53 - 47.53	37.53 - 47.53	none	47.53
MW-25S	shallow	09/27/12	2.0	PVC / PVC	496.21	496.46	-0.25	5.60 - 7.60	7.60 - 19.10	9.10 - 19.10	none	19.10
MW-26S	shallow	09/26/12	2.0	PVC / PVC	496.02	496.39	-0.37	4.80 - 6.80	6.80 - 18.80	8.80 - 18.80	none	18.80
MW-27S	shallow	09/27/12	2.0	PVC / PVC	496.24	497.10	-0.86	5.10 - 7.10	7.10 - 19.10	9.10 - 19.10	none	19.10

Notes:

1. Top of riser elevation based upon an assumed datum of 500.00 fmsl.
2. TOR = top of riser.
3. fmsl = feet above mean sea level.
4. fbgs = feet below ground surface.
5. MW-5 removed 12/1/16 during source area excavation and replaced 1/18/17 (MW-5R).
6. PZ-11, PZ-12, and PZ-13 were cut down to sit flush with ground surface on 4/21/17. TOR Elevation was recalculated and used in calculating water elevations for sampling on 4/24/17.
7. Off-site monitoring wells MW-21S, MW-21D, MW-22S, and MW-22D were decommissioned by NYSDEC in early 2018.
8. PZ-4 removed 11/5/2018 and replaced by PZ-4R on 11/5/2018. The piezometer TOR was measured on 11/12/2018.
9. PZ-5, PZ-6, and PZ-14 were cut down to sit flush with ground surface on 11/5/18. TOR Elevation was recalculated and used in calculating water elevations for sampling on 11/12/18.
10. PZ-2, PZ-3, PZ-8, and PZ-9 were cut down to sit flush with ground surface on 9/29/2020. TOR elevation updated.

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TABLE 2

GROUNDWATER ELEVATION DATA SUMMARY

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location	TOR Elevation (fmsl)	Interim Remedial Measure																Post-Injection Monitoring										Post-Persulfox Monitoring				Post Excavation		1st Semi-Annual		2nd Semi-Annual		3rd Semi-Annual		4th Semi-Annual		5th Semi-Annual		6th Semi-Annual	
		10/02/08		12/18/08		02/11/09		04/21/09		07/17/09		03/29/10		06/02/11		06/04/12		06/18/14		09/17/14		04/16/15		08/13/15		12/18/15		06/13/16		09/21/16		01/23/17		11/12/18		04/05/19		11/20/19		04/01/20		11/13/20		04/01/21	
		DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MONITORING WELLS (SHALLOW):																																											
MW-5	499.10	12.10	487.00	11.96	487.14	11.95	487.15	11.90	487.20	11.84	487.26	11.76	487.34	11.66	487.44	11.78	487.32	11.80	487.30	11.86	487.24	11.95	487.15	12.00	487.10	12.40	486.70	12.30	486.80	12.03	487.07	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
MW-5R	499.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.56	487.64	11.33	487.87	11.38	487.82	11.68	487.52	11.62	487.58	11.74	487.46	11.72	487.48
MONITORING WELLS (INTERMEDIATE):																																											
MW-1	499.22	12.79	486.43	11.53	487.69	11.10	488.12	11.43	487.79	11.82	487.40	12.40	486.82	11.64	487.58	11.40	487.82	NM	NM	11.87	487.35	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	499.81	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	12.05	487.76	12.06	487.75	12.05	487.76	NM	NM	12.10	487.71	NM	NM	12.32	487.49	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-3	498.13	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.80	487.33	10.46	487.67	10.49	487.64	NM	NM	10.69	487.44	NM	NM	10.80	487.33	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MONITORING WELLS (DEEP):																																											
MW-4	499.12	12.26	486.86	12.15	486.97	12.30	486.82	11.94	487.18	12.03	487.09	11.80	487.32	11.56	487.56	11.89	487.23	NM	NM	12.04	487.08	NM	NM	12.05	487.07	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	498.63	11.39	487.24	11.51	487.12	12.30	486.33	11.36	487.27	11.26	487.37	11.10	487.53	10.88	487.75	11.07	487.56	NM	NM	11.29	487.34	NM	NM	11.45	487.18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-7	497.96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.68	487.28	NM	NM	car parked on well		NM	NM	11.45	486.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
PIEZOMETERS:																																											
PZ-1	500.04	12.27	487.77	12.10	487.94	12.13	487.91	12.06	487.98	(7)	(7)	12.00	488.04	11.98	488.06	destroyed																															
PZ-2	499.44	12.09	487.61	11.90	487.80	12.00	487.70	11.86	487.84	(7)	(7)	11.90	487.80	11.88	487.82	11.72	487.98	NM	NM	11.77	487.93	12.29	487.41	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.59	488.11	NM	NM	NM	NM	NM	NM	12.50	486.94	12.07	487.37
PZ-3	499.03	11.73	487.59	11.61	487.71	11.60	487.72	11.56	487.76	11.39	487.93	11.49	487.83	11.37	487.95	11.47	487.85	NM	NM	11.64	487.68	11.73	487.59	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.12	488.20	NM	NM	11.29	488.03	11.34	487.98	11.54	487.49	11.54	487.49
PZ-4	499.42	11.88	487.54	11.67	487.75	11.80	487.62	11.65	487.77	(7)	(7)	11.60	487.82	11.51	487.91	11.64	487.78	11.64	487.78	11.56	487.86	12.08	487.34	11.85	487.57	12.30	487.12	11.90	487.52	11.70	487.72	11.36	488.06	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)
PZ-4R	499.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.00	488.21	10.96	488.25	11.36	487.85	11.39	487.82	11.55	487.66	11.50	487.71
PZ-5	498.44	11.27	487.38	11.12	487.53	11.15	487.50	11.05	487.60	(7)	(7)	11.00	487.65	11.87	486.78	10.95	487.70	11.10	487.55	11.21	487.44	11.28	487.37	11.50	487.15	NM	NM	NM	NM	NM	NM	11.20	487.45	10.73	487.71	10.80	487.64	10.96	487.48	11.01	487.43	11.13	487.31	11.11	487.33
PZ-6	498.68	11.55	487.55	11.43	487.67	(6)	(6)	11.31	487.79	11.11	487.99	11.30	487.80	10.78	488.32	11.26	487.84	11.50	487.60	11.36	487.74	11.43	487.67	11.60	487.50	NM	NM	NM	NM	NM	NM	11.15	487.95	10.75	487.93	10.78	487.90	10.96	487.72	11.03	487.65	11.13	487.55	11.11	487.57
PZ-7	500.95	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	12.50	488.45	12.26	488.69	12.32	488.63	NM	NM	12.49	488.46	12.56	488.39	11.70	489.25	NM	NM	NM	NM	NM	NM	NM	NM	11.95	489.00	11.97	488.98	12.54	488.41	12.59	488.36	12.72	488.23	12.75	488.20
PZ-8	499.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.90	488.26	11.74	488.42	11.97	488.19	NM	NM	11.99	488.17	12.12	488.04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.71	488.45	11.73	488.43	12.22	487.94	12.22	487.94	11.87	487.98	12.14	487.71
PZ-9	498.46	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.00	487.79	10.80	487.99	11.03	487.76	NM	NM	11.22	487.57	10.77	488.02	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.50	487.29	11.24	487.55	11.05	487.41	11.10	487.36
PZ-10	498.80	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.55	488.25	10.31	488.49	10.77	488.03	NM	NM	10.69	488.11	10.82	487.98	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.82	487.98	11.12	487.68	10.98	487.82
PZ-11	497.79	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.50	487.52	10.41	487.61	10.49	487.53	10.60	487.42	10.53	487.49	10.84	487.18	10.75	487.27	NM	NM	NM	NM	NM	NM	10.13	487.89	10.17	487.62	10.29	487.50	10.45	487.34	10.49	487.30	10.61	487.18	10.59	487.20
PZ-12	497.60	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.50	487.43	10.47	487.46	10.54	487.39	10.75	487.18	10.49	487.44	10.91	487.02	10.90	487.03	NM	NM	NM	NM	NM	NM	10.76	487.17	10.31	487.29	10.27	487.33	10.53	487.07	10.57	487.03	10.69	486.91	10.65	486.95
PZ-13	497.88	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.55	487.50	10.53	487.52	10.66	487.39	10.80	487.25	10.88	487.17	11.03	487.02	11.00	487.05	NM	NM	NM	NM	NM	NM	11.06	486.99	10.41	487.47	10.56	487.32	10.65	487.23	10.84	487.04	10.80	487.08	10.87	487.01
PZ-14	497.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.50	487.42	10.40	487.52	10.52	487.40	10.60	487.32	10.60	487.32	car parked on well		10.90	487.02	NM	NM	NM	NM	NM	NM	10.74	487.18	10.08	487.48	10.12	487.44	10.32	487.24	10.36	487.20	10.48	487.08	10.45	487.11
OFF-SITE MONITORING WELLS:																																											
MW-21S	497.36	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.19	487.17	9.97	487.39	10.06	487.30	NM	NM	NM	NM	NM	NM	NM	NM	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)
MW-22S	496.21	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	9.80	486.41	10.26	485.95	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)
MW-23S	496.91	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.24	485.67	11.46	485.45	11.50	485.41	NM	NM	NM	NM	NM	NM	11.41	485.50	11.15	485.76	11.25	485.66	11.37	485.54	11.42	485.49	11.52	485.39	11.50	485.41
MW-24S	497.32	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	10.63	486.69	10.59	486.73	10.70	486.62	NM	NM	NM	NM	NM	NM	11.54	485.78	10.33	486.99	10.37	486.95	10.52	486.80	10.57	486.75	10.68	486.64	10.66	486.66
MW-24D	497.63	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.34	486.29	11.30	486.33	11.45	486.18	NM	NM	NM	NM	NM	NM	11.19	486.44	11.03	486.60	11.13	486.50	11.25	486.38	11.29	486.34	11.40	486.23	11.41	486.22

Notes:

1. All wells/piezometers surveyed on 1/11/07 with site specific datum of 500 feet, with the exception of wells MW-4, 5, 5R, 6, and 7; these locations were surveyed following their installation.
2. DTW = depth to water, feet below top of riser (fbTOR)
3. GWE = groundwater elevation, feet above mean sea level (fmsl)
4. NM = no measurement; location was not installed at the time of measurement or not accessible.
5. TOR = top of PVC riser, fmsl
6. Monitoring location was frozen within road box, no measurement was obtained.
7. No measurement obtained due to malfunctioning water level indicator.
8. MW-5 was removed 12/1/2016 during source area excavation and replaced by MW-5R on 1/18/2017.
9. PZ-11, PZ-12, and PZ-13 were cut down to sit flush with ground surface on 4/21/17. TOR elevation updated.
10. Off-cite monitoring wells MW-21S, MW-21D, MW-22S, and MW-22D were decommissioned by NYSDEC in early 2018.
11. PZ-4 was removed 11/5/2018 during on-site well repairs and replaced by PZ-4R on 11/5/2018.
12. PZ-5, PZ-6, and PZ-14 were cut down to sit flush with ground surface on 11/5/18. TOR elevation updated.
13. PZ-2, PZ-3, PZ-8, and PZ-9 were cut down to sit flush with ground surface on 9/29/2020. TOR elevation updated.

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TABLE 3

SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
Shallow Overburden Wells																														
PZ-2	11/16/06	< 10	< 10	< 10	< 10	< 10	< 10	<10	90	< 10	<10	**90**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.26	16.3	4646	< 1000	78	7.27
	04/24/08	< 20	< 4	< 4	< 4.0	< 4	< 4	<4.0	120	< 4	<4.0	**120**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38	14.0	4143	< 1000	163	5.81
	08/18/08	**HRC INJECTION**																												
	10/02/08	8.3	< 1	< 1	< 1.0	4.6	< 1	< 1	230 D	5.7	< 1	**240**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.73	15.7	6981	< 1000	-10	2.39
	12/18/08	< 20	< 4	< 4	< 4.0	3.5	< 4	< 4	270 D	5.6	< 4	**279**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.31	8.3	4977	< 1000	-25	3.32
	02/11/09	< 5	< 1	< 1	< 1.0	1.3 J	< 1	< 1	83	4	< 1	**88**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.28	11.9	4926	18	-56	3.08
	04/21/09	< 5	< 1	< 1	< 1.0	2.3	< 1	< 1	110 D	20	< 1	**132**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.18	12.2	7537	6.3	-60	3.02
	07/17/09	< 5	< 1	< 1	< 1.0	1.2	< 1	< 1	77 D	12	< 1	**90**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.10	16.3	9630	11	-199	2.34
	03/29/10	< 5	< 0.19	< 0.34	< 0.29	< 1	< 1	< 0.44	60	3	< 0.24	**63**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.08	10.5	5814	4.8	-48	3.04
	06/02/11	< 10	< 0.19	< 0.34	< 0.29	3.8	< 0.9	< 0.44	78	9.2	< 0.9	**91**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.42	15.5	4820	10	48	4.2
	06/05/12	< 10	< 0.19	< 0.34	< 0.29	5.7	< 0.9	< 0.44	200 D	13	< 0.9	**219**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38	15.3	4951	16	336	5.47
PZ-3	11/16/06	< 10	< 10	< 10	<10	1 J	< 10	< 10	300	< 10	< 10	**301**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.23	16.3	3590	< 1000	527	3.77
	04/24/08	< 25	< 5	< 5	<5.0	6	< 5	< 5	400	< 5	< 5	**406**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.60	16.8	4416	< 1000	133	4.56
	08/18/08	**HRC INJECTION**																												
	10/02/08	< 5	< 1	< 1	<1.0	3.5	< 1	< 1	370 D	1.7	< 1	**375**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.34	14.0	4801	< 1000	17	4.94
	12/18/08	< 20	< 4	< 4	<4.0	2.1 J	< 4	< 4	250	< 4	< 4	**252**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.40	9.6	4244	< 1000	93	5.29
	02/11/09	< 5	< 1	< 1	<1.0	< 1	< 1	< 1	140 D	1.2	< 1	**141**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.45	12.0	4667	37	416	5.46
	04/21/09	< 5	< 1	< 1	<1.0	0.73 J	< 1	< 1	150 D	1 J	< 1	**152**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.35	10.8	4818	307	107	4.86
	07/17/09	< 5	< 1	< 1	<1.0	< 1	< 1	< 1	72 D	< 1	< 1	**72**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.31	16.1	5436	6.5	-59	5.22
	03/29/10	< 5	< 0.19	< 0.34	< 0.29	< 1	< 1	< 0.44	17	< 1	< 0.24	**17**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.16	10.4	4032	20	-51	4.18
	06/02/11	< 10	< 0.19	< 0.34	< 0.29	< 1	< 1	< 0.44	120 D	< 1	< 1	**120**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.22	14.9	5885	8.0	-15	4.04
	06/05/12	< 10	< 0.38	< 0.68	< 0.58	< 1	< 1	< 0.88	120	< 1	< 1.8	**120**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.50	14.7	4276	17	179	4.84

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3

SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
PZ-4	11/16/06	< 10	< 10	< 10	< 10	< 10	< 10	< 10	530	3 J	< 10	**533**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.54	16.3	3782	< 1000	49	5.92
	04/24/08	< 25	< 5	< 5	<5.0	46	< 5	< 5	1,900 D	19	< 5	**1,965**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.29	13.4	6293	< 1000	158	7.63
	08/18/08	**HRC INJECTION**																											
	10/02/08	< 5	< 1	< 1	ND	56	0.82 J	< 1	2,800 D	30	< 1	**2,888**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.40	15.7	5898	< 1000	85	7.33
	12/18/08	< 200	< 40	< 40	<40	99	< 40	< 40	2,800	42	< 40	**2,941**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38	9.3	10502	< 1000	147	8.97
	02/11/09	< 5	< 1	< 1	<1.0	16	< 1	< 1	540 D,H	9.4	< 1	**565**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.61	10.7	7079	17	48	9.22
	04/21/09	< 5	< 1	< 1	<1.0	6	< 1	< 1	520 D	6.3	< 1	**532**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.37	11.7	18510	206	99	9.58
	07/17/09	< 5	< 1	< 1	<1.0	0.93 J	< 1	< 1	180 D	1.6	< 1	**183**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.61	16.7	12	6.5	-46	6.69
	03/29/10	< 50	< 1.9	< 3.4	< 2.9	< 10	< 10	< 4.4	46 D	< 10	< 2.4	**46**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.61	9.0	6934	13	0	9.37
	06/02/11	< 10	< 0.19	< 0.34	< 0.29	9.1	< 1	< 0.44	390 D	8.1	< 1	**407**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.49	13.5	9095	9.0	36	8.02
	06/05/12	< 50	< 0.95	< 1.7	< 1.5	15	< 1	< 2.2	950 D	24	< 4.5	**989**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.63	14.0	8812	16	289	7.71
	04/16/14	**IET INJECTION**																											
	06/18/14	< 26	< 3.8	< 6.8	< 5.8	39	< 18	< 8.8	1,200	35	< 18	**1,274**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.46	14.9	11710	30	71	4.95
	09/03/14	< 26	< 3.8	< 6.8	< 5.8	190	< 18	11 J	1,200	60	< 18	**1,450**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1.3 J	7.44	18.9	9106	3.2	-77	3.20
	04/16/15	< 26	< 3.8	< 6.8	< 5.8	110	< 18	< 8.8	940	59	< 18	**1,109**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.40	11.9	7306	9.9	-37	7.73
	08/13/15	< 26	< 3.8	< 6.8	< 5.8	160	< 18	11 J	480	61	< 18	**701**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	13	*7.47*	*22.0*	*12.82*	*> 1000*	*-143*	*2.79*
	12/18/15	< 19	< 10	< 7	< 1.4	29	< 7	< 7	780	30	< 0.7	**839**	NA	NA	NA	NA	COD=64	0.04 J	NA	NA	94.6	NA	NA	NA	7.67	11.4	5925	63	22	5.96
	Mar & Apr 2016	**PERSULFOX INJECTIONS**																											
	06/13/16	< 39	< 20	< 14	< 2.8	64	< 14	< 14	1,100	46	< 1.4	**1,210**	NA	NA	NA	NA	COD=240	0.026 J	NA	NA	572	NA	NA	NA	7.07	16.5	10	217	197	5.45
	09/21/16	< 39	< 20	< 14	< 3.4	34 J	< 14	< 14	630	34	< 1.4	**698**	NA	NA	NA	NA	COD=170	< 0.191	NA	NA	273	NA	NA	NA	7.75	26.3	5784	510	321	5.27
	12/1-12/6/16	**ON-SITE EXCAVATION**																											
	01/23/17	< 39	< 20	< 14	< 3.4	58	< 14	< 14	1,000	52	< 1.4	**1,110**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.40	10.9	8883	159	184	7.51
	04/24/17	< 39	< 20	< 14	< 3.4	52	< 14	< 14	1,200	44	< 1.4	**1,296**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.71	15.7	7520	47	155	7.96
PZ-4R	11/12/18	< 19	< 10	< 7	< 1.7	17 J	< 7	< 7	1,400	23	< 0.71	**1,423**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.30	13.8	6990	> 1000	143	6.05
	04/05/19	< 19	< 10	< 7	< 1.7	38	< 7	< 7	1,200 D	24 D	< 0.71	**1,262**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.32	7.9	5409	620	196	11.28
	11/20/19	< 19	< 10	< 7	< 1.7	21 D J	< 7	< 7	1,100 D	21 D	< 0.71	**1,142**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.47	15.4	7111	--	82	6.6
	04/01/20	< 19	< 10	< 7	< 1.7	29 D	< 7	< 7	1,100 D	23 D	< 0.71	**1,152**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.72	10.0	5525	900	37	9.2
	11/13/20	< 39	< 20	< 14	< 3.4	36 D J	< 14	< 14	2,000 D	37 D	< 1.4	**2,073**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.37	16.7	6688	237	60	7.23
	04/01/21	< 19	< 10	< 7	< 1.7	35 D	< 7	< 7	1,600 D	26 D	< 0.71	**1,661**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.16	9.7	5519	32	212	10.47

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3

SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
PZ-5	11/20/06	< 10	< 10	< 10	<10	42	< 10	< 10	9,700	11	< 10	**9,753**	NA	NA	NA	NA	NA	NA	NA	7.6 J	125	NA	NA	NA	7.22	10.9	3722	< 1000	111	5.42
	04/24/08	< 20	< 4	< 4	<4.0	160	< 4	< 4	3,100 DJ	20	< 4	**3,280**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.22	12.1	3710	< 1000	122	4.4
	08/18/08	**HRC INJECTION**																											
	10/02/08	< 5	< 1	< 1	<1.0	38	< 1	< 1	3,000 D	7.3	< 1	**3,045**	25.2	0.308 J	0.905	< 0.463	NA	ND	ND	5.2	117	0.0021	ND	0.01	7.33	16.4	3773	< 1000	-37	4.51
	12/18/08	< 200	< 40	< 40	<40	120	< 40	< 40	5,600 D	< 40	< 40	**5,720**	0.8	< 0.667	< 0.667	< 0.667	NA	ND	ND	5.7	120	0.0021	ND	0.014	7.42	11.0	4622	< 1000	-10	5.07
	02/11/09	< 5	< 1	< 1	<1.0	< 1	< 1	< 1	150 D	< 1	< 1	**150**	1.4	< 5	< 5	< 5	NA	< 0.05	0.00783	4.65	102	< 0.0015	< 0.0015	0.00329	7.48	11.2	2872	15	35	4.74
	04/21/09	< 5	< 1	0.41 J	<1.0	54	0.4 J	< 1	760 D	8.7	< 1	**823**	0.8	< 0.5	< 0.5	9060	NA	< 0.05	< 0.003	6.4 D	110 D	< 0.0015	< 0.0015	< 0.001	7.41	12.6	3905	38	60	3.11
	07/17/09	< 5	< 1	< 1	<1.0	33	< 1	< 1	6,000 D	9.3	< 1	**6,044**	2.8	< 0.5	< 0.5	< 0.5	16.6	0.135	1.37	4.44 D	130 D	< 0.0015	< 0.0015	< 0.001	7.26	16.5	4255	44	28	2.95
	03/29/10	< 5	< 0.19	< 0.34	< 0.29	8	< 1	< 0.44	1,300 D	3.1	< 0.24	**1,311**	2.5	< 5	< 5	< 5	NA	< 0.05	0.0064	8.97	114	< 1.5	< 1.5	1	7.32	8.8	4341	4.5	0	4.32
	06/29/11	< 10	< 0.19	< 0.34	< 0.29	11	< 1	< 0.44	3,200 D	4.3	< 0.9	**3,215**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.26	16.6	4802	7.8	50	3.89
	06/05/12	< 10	< 4.8	< 8.5	< 7.3	< 1	< 1	< 11	1,600	< 1	< 23	**1,600**	NA	NA	NA	NA	NA	NA	NA	4.7	135	0.87 J	NA	0.55 BJ	7.34	14.2	3469	13	57	4.73
	04/16/14	**IET INJECTION**																											
	06/18/14	< 33	< 4.8	< 8.5	< 7.3	< 20	< 23	< 11	3,800 D	< 12	< 23	**3,800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.50	15.3	4135	21	163	5.91
	09/03/14	< 33	< 4.8	< 8.5	< 7.3	< 20	< 23	14 J	2,300	< 12	< 23	**2,314**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.48	17.6	4985	7.1	179	3.67
	04/16/15	< 1.3	< 0.19	< 0.34	< 0.29	33	< 0.9	< 0.44	5.8	2.8	< 0.9	**42**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	9.3	7.29	11.8	3790	19	-49	7.07
	08/13/15	< 1.3	< 0.19	3	< 0.29	29	< 0.9	< 0.44	1,100 D	3	< 0.9	**1,132**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.54	16.3	4251	8.7	20	5.44
	12/1-12/6/16	**ON-SITE EXCAVATION**																											
	01/24/17	< 19	< 10	< 7	< 1.7	< 7	< 7	< 7	880 D	2.7 J	< 0.71	**883**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.32	11.5	2752	1.4	237	4.54
	04/24/17	< 19	< 10	< 7	< 1.7	28	< 7	< 7	740	3.4 J	< 0.71	**771**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.48	10.8	2976	7.0	148	5.09
	11/12/18	< 7.8	< 4	< 2.8	< 0.68	< 2.8	< 2.8	< 2.8	340 J	< 0.7	< 0.28	**340**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.31	13.8	2952	3.7	91	4.92
	04/05/19	< 3.9	< 2	6.5 D	< 0.34	< 1.4	< 1.4	< 1.4	160 D	0.62 J D	< 0.14	**167**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.61	11.1	2259	4.3	91	7.18
	11/20/19	< 4.8	< 2.5	< 1.8	< 0.42	< 1.8	< 1.8	< 1.8	220 D	< 0.44	< 0.18	**220**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38	15.1	4616	--	153	4.53
	04/01/20	< 1.9	< 1	0.89 J	< 0.17	1.1 J	< 0.7	< 0.7	280 D	1.1	< 0.07	**283**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.46	11.2	3722	1.99	143	5.62
	11/13/20	< 3.9	< 2	2.3 D J	< 0.34	< 1.4	< 1.4	< 1.4	180 D	< 0.35	< 0.14	**182**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.57	16.3	4057	23.0	162	5.33
	04/01/21	< 1.9	< 1	5.2	< 0.17	< 0.7	< 0.7	< 0.7	160	< 0.18	< 0.07	**165**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.46	11.3	2945	26.1	191	5.82

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

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BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
PZ-6	11/16/06	< 10	< 10	< 10	<10	26	< 10	< 10	1,000	5 J	< 10	**1,031**	NA	NA	NA	NA	NA	NA	NA	3.4	114 J	NA	NA	NA	7.75	16.0	3679	< 1000	32	6.17
	04/24/08	< 20	< 4	< 4	<4.0	11	< 4	< 4	390	2.5 J	< 4	**404**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.45	13.1	3998	< 1000	137	4.95
	08/18/08	**HRC INJECTION**																											
	10/02/08	< 5	< 1	< 1	< 1.0	20	1.3	< 1	1,400 D	8.7	< 1	**1,430**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.45	15.1	3851	< 1000	88	4.99
	12/18/08	< 10	< 2	< 2	< 2.0	1.7	< 2	< 2	92	< 2	< 2	**94**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.49	10.4	3600	< 1000	100	5.28
	02/11/09	< 5	< 1	< 1	< 1.0	< 1	< 1	< 1	12	< 1	< 1	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.48	11.6	2560	140	72	4.49
	04/21/09	< 5	< 1	< 1	< 1.0	2.5	< 1	< 1	200	2.1	< 1	**205**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.36	11.4	4471	31	80	2.98
	07/17/09	< 5	< 1	< 1	< 1.0	0.9 J	< 1	< 1	90	0.52 J	< 1	**91**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.33	16.1	3894	21	28	3.52
	03/29/10	< 5	< 0.19	< 0.34	< 0.29	2	< 1	< 0.44	590 D	1.2	< 0.24	**593**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.26	10.0	4044	39	-64	4.58
	06/29/11	< 10	< 0.19	< 0.34	< 0.29	7	< 1	< 0.44	1,200 D	3.6	< 0.9	**1,211**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.26	16.0	3261	10	63	3.7
	06/05/12	< 10	< 1.5	< 2.7	< 2.3	< 1	< 1	< 3.5	390	< 1	< 7.2	**390**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.39	14.4	2719	23	146	4.31
	04/16/14	**IET INJECTION**																											
	06/18/14	<11	< 1.5	< 2.7	< 2.3	<6.5	<7.2	< 3.5	390	<3.7	< 7.2	**390**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.48	15.1	5029	33	161	6.68
	09/03/14	<6.6	< 0.95	< 1.7	< 1.5	85	<4.5	< 2.2	280	5.6	< 4.5	**371**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.42	17.7	4164	7.6	145	4.07
	04/16/15	<6.6	< 0.95	< 1.7	< 1.5	12	<4.5	< 2.2	210	<2.3	< 4.5	*222*	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.30	13.1	2087	6.8	112	5.31
	08/13/15	< 6.6	< 0.95	3.6 J	< 1.5	37	< 4.5	2.2 J	800 D	9.6	< 4.5	**847**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.69	15.2	3905	15	129	5.42
	12/1-12/6/16	**ON-SITE EXCAVATION**																											
	01/23/17	< 19	< 10	< 7	< 1.7	< 7	< 7	< 7	500	8.2	< 0.71	**508**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.30	12.4	2833	2.7	239	5.04
	04/24/17	< 1.9	< 1	< 0.7	< 0.17	5.8	< 0.7	< 0.7	46	1.3	< 0.07	**53**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.10	10.6	2889	6.0	172	5.23
	11/12/18	< 4.8	< 2.5	< 1.8	< 0.42	2.4 J	< 1.8	< 1.8	250	2.7	< 0.18	**255**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.40	12.7	2656	3.4	121	4.99
	04/05/19	< 1.9	< 1.0	2.4 J	< 0.17	1.5 J	< 0.7	< 0.7	200	2.7	< 0.07	**207**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.92	11.3	3243	7.0	228	7.66
	11/20/19	< 3.9	< 2.0	< 1.8	< 0.42	2.1 D J	< 1.8	< 1.8	170 D	1.8 D	< 0.18	**174**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.50	15.3	3184	--	169	3.95
	04/01/20	< 1.9	< 1.0	1.2 J	< 0.17	1.3 J	< 0.7	< 0.7	190 D	2.2	< 0.07	**195**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.57	11.4	3864	8.2	130	5.96
	11/13/20	< 3.9	< 2.0	1.6 D J	< 0.34	< 1.4	< 1.4	< 1.4	210 D	1.7 D	< 0.14	**213**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.16	16.5	4149	1.6	153	5.35
	04/01/21	< 1.9	< 1.0	4.8	< 0.17	< 0.7	< 0.7	< 0.7	66	0.31 J	< 0.07	**71**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.36	10.9	2802	4.4	195	4.5

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3

SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
PZ-7	11/16/06	< 10	< 10	1 J	< 10	< 10	< 10	<10	4 J	< 10	< 10	**4.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.19	12.0	4713	< 100	29	6
	08/18/08	**HRC INJECTION**																											
	03/30/10	< 5	< 1	< 1	< 0.29	< 1	< 1	< 1	< 1	< 1	< 1	**0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.33	10.6	3915	243	8	8.51
	06/03/11	< 5	< 1	< 1	< 1.0	< 1	< 1	< 1	0.64 J	< 1	< 1	**0.64**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.35	14.2	5456	14	92	6.01
	06/05/12	< 10	< 0.19	2	< 0.29	< 1	< 1	< 0.44	2.1	< 1	< 0.9	**2.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.74	14.9	3145	29	520	8.08
PZ-8	11/16/06	< 10	<10	1 J	< 10	< 10	< 10	<10	4 J	< 10	< 10	**4.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.42	17.1	3242	< 100	119	7.86
	08/18/08	**HRC INJECTION**																											
	03/30/10	< 5	<1.0	<1.0	< 0.29	< 1	< 1	<1.0	1.9	< 1	<1.0	**1.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.78	11.3	3943	29	10	8.34
	06/02/11	< 5	<1.0	0.7 J	< 1.0	< 1	< 1	< 0.44	1.9	< 1	< 0.9	**2.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.72	14.4	2283	12	76	6.23
	06/04/12	< 10	< 0.19	0.58 J	< 0.29	< 1	< 1	< 0.44	1.9	< 1	< 0.9	**2.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.00	14.5	1516	14	561	8.09
PZ-9	11/16/06	< 10	< 10	1 J	< 10	< 10	< 10	<10	10	< 10	< 10	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.37	170.0	2944	< 100	-52	4.38
	08/18/08	**HRC INJECTION**																											
	03/30/10	< 25	< 5	< 5	< 1.5	< 5	< 5	< 5	9 D	< 5	< 5	**9.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.46	9.8	7571	25	22	8.91
	06/03/11	< 10	< 0.19	0.85 J	< 5.0	< 5	< 5	< 0.44	6.8	< 5	< 0.9	**6.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.35	14.2	5456	14	92	6.01
	06/04/12	< 10	< 0.19	< 0.34	< 0.29	< 1	< 1	< 0.44	6.6	< 1	< 0.9	**6.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.73	13.4	6535	202	614	7.51
PZ-10	11/16/06	< 10	<10	1 J	< 10	< 10	< 10	<10	2 J	< 10	< 10	**2.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.01	17.1	4368	< 100	-89	4.8
	08/18/08	**HRC INJECTION**																											
	03/30/10	< 5	< 1	<1.0	< 0.29	< 1	< 1	< 1	0.73 J	< 1	< 1	**0.73**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.88	11.6	3027	140	12	8.54
	06/03/11	< 5	< 0.19	< 0.34	< 1.0	< 1	< 1	< 0.44	0.53 J	< 1	< 0.9	**0.53**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.51	13.6	9522	40	93	7.89
	06/04/12	< 10	< 0.19	< 0.34	< 0.29	< 1	< 1	< 0.44	1	< 1	< 0.9	**1.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.84	13.6	3300	47	552	7.14

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SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
PZ-11	01/05/07	< 50	<50	<50	<50	94	< 50	<50	18,000 D	< 50	< 50	**18,094**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.22	11.2	2865	< 1000	110	5.46
	04/24/08	< 2000	< 400	< 400	<400	170	< 400	< 400	22,000 D	34	< 400	**22,204**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.18	12.0	7975	< 1000	187	5.17
	08/18/08	**HRC INJECTION**																											
	03/30/10	< 20	< 4	< 4	< 1.5	12 D	< 4	< 4	6,800 D	5.9 D	< 4	**6,818**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.25	8.3	9696	54	5	6
	06/02/11	< 10	< 0.19	< 0.34	< 0.29	17	< 1	< 0.44	5,400 D	5.6	< 0.9	**5,423**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.46	13.2	6102	47	99	4.08
	06/04/12	< 500	< 9.5	< 17	< 15	< 50	< 50	< 22	3,400	< 50	< 45	**3,400**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.51	14.4	4076	< 1000	564	4.36
	04/16/14	**IET INJECTION**																											
	06/18/14	< 26	< 3.8	< 6.8	< 5.8	< 16	< 18	< 8.8	1,500	< 9.2	< 18	**1,500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.75	17.8	4937	43	125	3.35
	09/03/14	< 6.6	< 0.95	< 1.7	< 1.5	14	< 4.5	< 2.2	480	5.8	< 4.5	**500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.41	18.0	4627	46	84	3.25
	04/16/15	< 6.6	< 0.95	< 1.7	< 1.5	95	< 4.5	< 2.2	16,000 D	34	< 4.5	**16,129**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.30	11.7	5334	11	110	5.7
	08/13/15	< 260	< 38	< 68	< 58	< 160	< 180	100 J	4,300	< 92	< 180	**4,300**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.51	20.3	5909	30	7	3.45
	12/1-12/6/16	**ON-SITE EXCAVATION**																											
	01/24/17	< 190	< 100	< 70	< 17	< 70	< 70	< 70	5,500	< 18	< 7.1	**5,500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.49	10.8	3815	9.0	241	2.42
	04/24/17	< 190	< 100	< 70	< 17	< 70	< 70	< 70	5,600	< 18	< 7.1	**5,600**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.50	11.2	6943	9.4	120	5.19
	11/12/18	< 19	< 10	< 7	< 1.7	18 J	< 7	< 7	1,300	14	< 0.71	**1,332**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.39	13.7	3248	2.7	72	4.57
	04/05/19	< 78	< 40	< 28	< 6.8	< 28	< 28	< 28	4,100 D	21 D	< 2.8	**4,121**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.51	9.8	3331	1.9	83	5.85
	11/20/19	< 4.8	< 2.5	< 1.8	< 0.42	7.7 D	< 1.8	< 1.8	440 D	4 D	< 0.18	**452**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.35	14.5	4360	--	51	4.06
	04/01/20	< 19	< 10	< 7	< 1.7	< 7	< 7	< 7	1,000 D	2.5 J D	< 0.71	**1,003**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.31	10.8	5718	< 100	98	4.41
	11/13/20	< 39	< 20	< 14	< 3.4	< 14	< 14	< 14	3,000 D	6.6 J D	< 1.4	**3,007**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.41	16.8	4754	6.7	-2	4.51
	04/01/21	< 39	< 20	< 14	< 3.4	< 14	< 14	< 14	2,400 D	7.3 J D	< 1.4	**2,407**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.50	10.3	3703	4.2	82	5.81

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3

SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
PZ-12	01/05/07	< 200	<200	<200	<200	< 200	< 200	<200	7,200 D	< 200	< 200	**7,200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.03	11.5	3083	< 1000	103	4.00
	04/24/08	< 25	< 5	< 5	<5.0	230	< 5	< 5	23,000 D	23	< 5	**23,253**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.21	13.0	4004	< 1000	201	3.34
	08/18/08	**HRC INJECTION**																											
	03/30/10	< 50	< 10	< 10	< 2.9	7.4 DJ	< 10	< 10	1,100 D	12 D	<10	**1,119**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.30	9.4	3741	< 1000	7	2.38
	06/02/11	< 10	< 0.19	< 0.34	< 0.29	5.7	< 1	< 0.44	4,300 D	4.3	< 0.9	**4,310**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38	13.6	3294	100	89	2.57
	06/04/12	< 100	< 1.9	< 3.4	< 2.9	56	< 10	< 4.4	700	14	< 9	**770**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.51	14	3324	268	431	2.61
	04/16/14	**IET INJECTION**																											
	06/18/14	< 13	< 1.9	< 3.4	< 2.9	< 8.1	< 9	< 4.4	3,700 D	< 4.6	< 9	**3,700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.48	15.3	3177	36	157	2.89
	09/03/14	< 26	< 3.8	< 6.8	< 5.8	< 16	< 18	< 8.8	2,200 D	< 9.2	< 18	**2,200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.44	18.0	3564	9.9	68	1.97
	04/16/15	< 53	< 7.6	< 14	< 12	75	< 36	< 18	6,200 D	20 J	< 36	*6,295*	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.22	10.9	3877	22	127	5.09
	08/13/15	< 66	< 9.5	< 17	< 15	66	< 45	25 J	1,900 D	< 23	< 45	**1,991**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.52	19.8	3552	74	15	2.12
	12/1-12/6/16	**ON-SITE EXCAVATION**																											
	01/24/17	< 48	< 25	< 18	< 4.2	26 J	< 18	< 18	2,500	8.8 J	< 1.8	**2,535**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.46	11.2	3403	15	244	3.35
	04/24/17	< 39	< 20	< 14	< 3.4	14 J	< 14	< 14	1,900	7.8 J	< 1.4	**1,922**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.60	12.8	3197	12	99	3.38
	11/12/18	< 19	< 10	< 7	< 1.7	< 7	< 7	< 7	830 J	< 1.8	< 0.71	**830**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.48	14.1	2538	1	69	4.6
	04/05/19	< 3.9	< 2	9 D	< 0.34	3.2 J D	< 1.4	< 1.4	250 D	0.91 J D	< 0.14	**263**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.70	10.2	1883	1	45	7.01
	11/20/19	< 39	< 20	< 14	< 3.4	< 14	< 14	< 14	3,600 D	7.9 J D	< 1.4	**3,608**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.36	15.8	4539	--	12	2.83
	04/01/20	< 19	< 10	< 7	< 1.7	< 7	< 7	< 7	1,000 D	3.3 J D	< 0.71	**1,003**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.42	10.6	4236	< 100	71	3.72
	11/13/20	< 1.9	< 1	1.4 J	< 0.17	< 0.7	< 0.7	< 0.7	130	0.68	< 0.07	**132**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.51	16.7	3081	1.6	29	3.52
	04/01/21	< 9.7	< 5	< 3.5	< 0.84	< 3.5	< 3.5	< 3.5	1,100 D2	2.4 J D	< 0.36	**1,102**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.40	10.7	3232	5	94	4.66

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3

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Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
PZ-13	01/05/07	< 10	< 10	< 10	<10	1 J	< 10	< 10	180	< 10	< 10	**181**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.11	11.9	3304	< 1000	68	5.18
	04/24/08	< 20	< 4	< 4	<4.0	78	< 4	< 4	1,900 D	25	< 4	**2,003**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.28	12.8	2487	< 1000	131	5.7
	08/18/08	**HRC INJECTION**																											
	03/30/10	< 5	< 1	< 1	< 0.29	20	< 1	<1.0	98	11	1.2	**130**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.11	10.1	3721	87	-91	2.24
	06/02/11	< 5	< 0.19	< 0.34	< 0.29	9.6	< 1	< 0.44	120	4.5	< 0.9	**134**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.54	14.3	3130	469	-79	2.36
	06/04/12	< 20	< 0.38	< 0.68	< 0.58	7.4	< 2	< 0.88	280 D	7.1	< 1.8	**295**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.49	13.8	4080	667	344	3.5
	04/16/14	**IET INJECTION**																											
	06/18/14	< 10	< 0.19	0.54 J	< 0.29	6.4	< 1	< 0.44	78	0.94 J	< 0.9	**86**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	10	7.98	18.7	3762	55	78	2.05
	09/03/14	< 1.3	< 0.19	< 0.34	< 0.29	4.7	< 0.9	< 0.44	15	2.0	< 0.9	**22**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	4.8	7.52	17.8	3256	9.6	-95	1.77
	04/16/15	53	0.27 J	0.62 J	3.7	1300 D	1.4	< 0.44	55,000 D	490 E	< 0.9	**56,845**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15	< 15	510	7.31	11.4	4266	22	105	5.45
	08/13/15	53 J	< 1.9	< 3.4	< 2.9	450	< 9	< 4.4	44 D	< 4.6	52	**546**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 75	< 75	6,400	7.42	19.1	6651	12	-143	1.25
	12/1-12/6/16	**ON-SITE EXCAVATION**																											
	01/24/17	< 3.9	< 2	< 1.4	< 0.34	50	5.0	< 1.4	79	19	18	**171**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.13	11.3	5482	8.1	-10	2.28
	04/24/17	< 19	< 10	< 7	< 1.7	500	10 J	< 7	14	20	110	**654**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.50	14.9	4829	14	0	2.98
	11/12/18	< 1.9	< 1	< 0.7	< 0.17	< 0.7	0.73 J	< 0.7	16	3.6	32	**52**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.31	14.8	2991	83.2	-89	2.81
	04/05/19	< 3.9	< 2	< 1.4	1.8 J D	280 D	1.8 J D	< 1.4	93 D	76 D	53 D	**506**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.15	10.4	4253	20.4	-7	2.5
	11/20/19	< 1.9	< 1	< 0.7	0.23 J	52	6.6	< 0.70	13	14	38	**124**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.56	16.0	2443	--	-90	1.34
	04/01/20	< 1.9	< 1	< 0.7	< 0.17	44	1.5 J	< 7	21	9.6	8.9	**85**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.62	11.2	2522	30.3	39	2.17
	11/13/20	< 1.9	< 1	< 0.7	< 0.17	45	0.75 J	< 0.7	30	7.2	4.9	**88**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.54	16.7	3702	17.3	-29	2.5
	04/01/21	< 1.9	< 1	< 0.7	< 0.17	28	1.2 J	< 0.7	25	9.7	3.9	**68**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38	11.4	3825	19.6	42	2.04

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3

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275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
PZ-14	01/05/07	< 10	<10	<10	< 10	6 J	< 10	<10	3,000 D	< 10	< 10	**3,007**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.40	11.3	1798	< 1000	56	5.5
	04/24/08	< 20	< 4	< 4	< 4.0	28	< 4	< 4	5,300 D	20	< 4	**5,348**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.40	11.6	1985	< 1000	124	5.61
	08/18/08	**HRC INJECTION**																											
	04/08/10	< 25	< 5	< 5	< 5.0	30	< 5	0.55 J	1,100 D	10	< 5	**1,140**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.18	11.8	4756	46	64	2.49
	06/02/11	< 10	< 0.19	< 0.34	< 0.29	9.2	< 1	< 0.44	2,100 D	5.8	< 0.9	**2,115**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.81	13.3	3861	< 1000	104	6.1
	06/04/12	< 250	< 4.8	< 8.5	< 7.3	26	< 25	< 11	1,200	12 J	< 23	**1,238**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.73	13	4500	16	555	8.07
	04/16/14	**IET INJECTION**																											
	06/19/14	< 26	< 3.8	< 6.8	< 5.8	< 16	< 18	< 8.8	910	15 D J	< 18	**925**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	8.19	16.8	2230	36	108	4.00
	09/03/14	< 26	< 3.8	< 6.8	< 5.8	89	< 18	8.9 J	1300	61	< 18	**1,450**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.80	18.7	3397	87	-142	4.66
	04/16/15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/13/15	< 26	< 3.8	< 6.8	< 5.8	270	< 18	10 J	590	36	< 18	**896**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 75	< 75	560	7.62	20.8	4894	736	-126	1.58
	12/1-12/6/16	**ON-SITE EXCAVATION**																											
	01/24/17	< 1.9	< 1	< 0.7	0.34 J	290 D	14	< 0.7	4.8	12	130	**451**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.32	10.9	4397	8.9	-70	2.47
	04/24/17	< 7.8	< 4	< 2.8	0.68 J	180	8.5 J	< 2.8	4.7	140	140	**473**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.08	15.0	4276	35	-126	1.81
	11/12/18	< 1.9	< 1	< 0.7	< 0.17	50	1.8 J	< 0.7	32	9.8	20	**114**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.39	14.0	2820	6.8	-137	1.95
	04/05/19	< 3.9	< 2	< 1.4	0.5 J D	170 D	4.2 J D	< 1.4	150 D	32 D	30 D J	**387**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.48	10.0	2196	8.9	-52	2.01
	11/20/19	< 1.9	< 1	0.71 J	0.34 J	100	4.2	< 0.70	33	12	35	**185**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.48	15.3	2319	--	-121	1.72
	04/01/20	< 4.8	< 2.5	< 1.8	0.74 J D	340 D	5.4 J D	< 1.8	98 D	28 D	24 D	**496**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.48	10.7	4111	11.1	-118	1.78
	11/13/20	< 9.7	< 5	< 3.5	1.1 J D	580 D	10 J D	< 3.5	110 D	29 D	82 D	**812**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.34	16.1	3691	9.4	-64	1.73
	04/01/21	< 1.9	< 1	< 0.7	0.36 J	150	2.1 J	< 0.7	170	38	6.3	**367**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.37	10.8	3789	6.2	39	1.71

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3

SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
MW-5	04/25/08	< 5	< 1	< 1	<1.0	16	< 1	< 1	19,000 D J	5.1	< 1	**19,022**	<0.5	NA	NA	<0.5	NA	ND	0.1	5.7	87.4	ND	ND	0.0022	7.33	13.8	3070	< 1000	-51	4.92
	08/18/08	**HRC INJECTION**																											
	10/02/08	< 5	< 1	< 1	ND	20	< 1	< 1	50,000 D	7.2	< 1	**50,032**	5.23	0.116 J	5.8	< 0.461	NA	ND	0.0099	8.1	85.8	ND	ND	ND	7.27	13.7	3454	2213	-40	6.27
	12/18/08	< 2500	<500	<500	< 500	< 500	< 500	<500	34,000 D	< 500	< 1	**34,000**	0.6	< 0.8	< 0.8	< 0.8	NA	ND	1.2	4.4	58.8	ND	ND	ND	6.99	10.4	4089	NA	-76	2.87
	02/11/09	4.9 J	< 1	< 1	< 1.0	66	< 1	< 1	36,000 D,H	19	< 1	**36,088**	2.6	< 1.6	< 1.6	7.7	NA	< 0.05	0.91	5.57	84.4	< 0.0015	< 0.0015	< 0.001	7.17	13.4	5153	13	-71	2.14
	04/21/09	11	0.82 J	0.53 J	< 1.0	1	0.64 J	< 1	37,000 D	27	< 1	**37,032**	2.2	< 1	< 1	< 1	NA	< 0.05	1.8	5.19 D	98 D	< 0.0015	< 0.0015	2.2	7.22	13.7	4730	2.6	-115	1.23
	07/17/09	< 5	< 1	0.54 J	< 1.0	800	1	< 1	31,000 D	86	< 1	**31,890**	0.5 J	< 0.7	< 0.7	< 0.7	1.8	0.557	0.246	6.57 D	110 D	< 0.0015	< 0.0015	< 0.001	7.02	15.5	5656	2.0	-100	1.98
	03/29/10	< 500	< 97	< 170	< 150	< 500	< 500	< 220	25,000 D	< 500	< 120	**25,000**	4	< 5	< 5	< 5	NA	< 0.05	0.495	7.35	89.2 B	< 1.5	< 1.5	1	6.81	11.3	6748	3.3	-71	4.26
	06/02/11	< 10	< 0.19	< 0.34	< 0.29	4.8	< 1	< 0.44	49,000 D	12	< 1	**49,021**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.26	13.1	5350	6.0	-23	6
	06/05/12	< 10	< 150	< 270	< 230	< 1	< 1	< 350	70,000	< 1	< 720	**70,000**	NA	NA	NA	NA	NA	NA	4.5	NA	126	NA	NA	0.38 BJ	7.20	13.4	4892	3.4	593	4.58
	04/16/14	**IET INJECTION**																											
	06/19/14	< 260	< 38	< 68	< 58	< 160	< 180	< 88	17,000	170 D J	< 180	**17,170**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.66	18.9	4929	60	-169	1.65
	09/03/14	< 260	< 38	< 68	< 58	6300	< 180	< 88	38,000 D	2700	< 180	**47,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	1.7 J	210 D	7.41	17.0	4462	9.6	-156	0.81
	04/16/15	< 1300	< 190	< 340	< 290	1700	< 900	< 440	43,000	670 J	< 900	**45,370**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 15	< 15	520	7.32	12.9	4335	22	-132	1.5
	08/13/15	< 1300	< 190	< 340	< 290	870 J	< 900	< 440	120,000 D	< 460	< 900	**120,870**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 75	< 75	1,600	7.46	17.7	4964	39	-122	1.29
	12/18/15	< 1900	< 1000	< 700	< 140	910 J	< 700	< 700	190,000	350 J	< 70	**191,260**	NA	NA	NA	NA	COD=62	2.9	NA	NA	75	NA	NA	NA	7.57	11.4	3642	> 100	-51	1.12
	Mar & Apr 2016	**PERSULFOX INJECTIONS**																											
	06/13/16	< 9700	< 5000	< 3500	< 710	< 3500	< 3500	< 3500	180,000	< 880	< 350	**180,000**	NA	NA	NA	NA	COD=87	0.017 J	NA	NA	312	NA	NA	NA	7.18	17.3	6387	96.4	17	1.02
	09/21/16	< 3900	< 2000	< 1400	< 340	< 1400	< 1400	< 1400	110,000	470 J	< 140	**110,470**	NA	NA	NA	NA	COD=78	< 0.191	NA	NA	810	NA	NA	NA	7.17	21.6	6903	60.2	-130	1.38
MW-5R	**12/1-12/6/16**	**ON-SITE EXCAVATION**																											
	01/23/17	< 39	< 20	< 14	< 3.4	< 14	< 14	< 14	990	20	< 1.4	**1,010**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.97	12.1	6444	24.2	361	1.18
	04/24/17	< 97	< 50	< 35	< 8.4	160	< 35	< 35	3,600	55	< 3.6	**3,815**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.08	15.3	6542	83.2	319	1.31
	11/12/18	< 19	< 10	< 7	< 1.7	270	< 7	< 7	740	150	< 0.71	**1,160**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.22	14.3	4384	74.4	2.55	82
	04/05/19	< 39	< 20	< 14	< 3.4	270 D	< 14	< 14	1,900 D	300 D	< 1.4	**2,470**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.10	10.8	6110	15.1	37	2.9
	11/20/19	< 7.8	< 4	< 2.8	< 0.68	160 D	< 2.8	< 2.8	380 D	120 D	< 0.28	**660**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.04	15.6	4140	--	7	1.42
	04/01/20	< 19	< 10	< 7	< 1.7	170 D	< 7	< 7	980 D	180 D	< 0.71	**1,330**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.12	11.1	5826	31.2	92	1.23
	11/13/20	< 9.7	< 5	< 3.5	< 0.84	380 D	9.5 J D	< 3.5	460 D	140 D	< 0.36	**990**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.13	16.9	5413	16.4	94	1.15
	04/01/21	< 9.7	< 5	< 3.5	< 0.84	280 D	5.1 J D	< 3.5	1,000 D	210 D	< 0.36	**1,495**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.06	12.0	6439	15.8	39	1.27

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Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
Intermediate Overburden Wells																													
MW-1	12/08/06	< 10	< 10	< 10	<10	2 J	< 10	64 DJ	4100	21	< 10	**4,123**	NA	NA	NA	NA	NA	NA	NA	1.8	113 J	NA	NA	NA	7.09	10.5	1903	< 1000	0	3.02
	04/24/08	< 5	< 1	< 1	< 1	< 1	< 1	< 1	26	< 1	< 1	**26**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.73	19.4	1948	< 1000	193	2.13
	08/18/08	**HRC INJECTION**																											
	10/02/08	23	1.9	0.65 J	< 1.0	<1.0	< 1	< 1	29	0.51 J	< 1	**30**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.90	12.5	2502	363	5	1.76
	12/18/08	21	< 1	< 1	< 1.0	15	< 1	< 1	32	0.87 J	< 1	**48**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.64	11.5	2217	-13	25.2	0.067
	02/11/09	11	< 1	< 1	< 1.0	20	< 1	< 1	8.4	< 1	< 1	**28**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.86	13.3	2064	10	-98	0.98
	04/21/09	4.3 J	0.98 J	< 1	< 1.0	16	< 1	< 1	12	0.58 J	< 1	**29**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.70	14.1	1914	67	-248	0.41
	07/17/09	< 5	6.5	< 1	< 1.0	9.1	< 1	< 1	3.9	< 1	< 1	**13**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.04	15.0	1945	4.1	-273	0.59
	03/29/10	< 5	< 0.19	< 0.34	< 0.29	33	< 1	< 0.44	93	0.78 J	< 0.24	**127**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.63	11.9	2093	50	-193	1.58
	06/02/11	< 10	< 0.19	< 0.34	< 0.29	14	< 1	< 0.44	43	< 1	< 0.9	**57**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.01	14.3	2070	13	-195	0.95
	06/05/12	< 10	< 0.19	< 0.34	< 0.29	5	< 1	< 0.44	62	0.71 J	< 0.9	**68**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.19	14.2	2153	7.5	-158	0.92
	08/13/15	< 1.3	< 0.19	< 0.34	< 0.29	1.9	< 0.9	< 0.44	1.6	< 0.46	< 0.9	**4.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.47	14.6	2384	16	-82	1.32
MW-2	12/08/06	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10	5 J	< 10	< 10	**5.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.89	9.2	1774	122	16	1.6
	08/18/08	**HRC INJECTION**																											
	03/30/10	< 5	< 0.19	< 0.34	< 0.29	< 1	< 1	< 0.44	6.5	< 1	< 0.24	**6.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.34	12.8	3492	63	5	3.35
	06/03/11	< 5	< 0.19	< 0.34	< 0.29	< 1	< 1	< 0.44	0.76 J	< 1	< 0.9	**0.76**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.23	15.4	2837	8.4	87	1.53
	06/04/12	< 10	< 0.19	< 0.34	< 0.29	< 1	< 1	< 0.44	0.81 J	< 1	< 0.9	**0.81**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.47	14.3	3410	4.1	574	2.34
	08/13/15	< 1.3	< 0.19	0.37 J	< 0.29	< 0.81	< 0.9	< 0.44	110 D	< 0.46	< 0.9	**110**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.52	17.4	2263	50	-34	2.15
MW-3	12/08/06	< 10	< 10	< 10	< 10.0	< 10	< 10	< 10	6 J	< 10	< 10	**6.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.91	9.6	1746	231	82	2.16
	04/24/08	< 5	< 1	< 1	< 1	< 1	< 1	< 1	0.55 J	< 1	< 1	**0.55**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.35	16.6	1821	< 1000	99	4.09
	08/18/08	**HRC INJECTION**																											
	03/30/10	< 5	< 0.19	< 0.34	< 0.29	< 1	< 1	< 0.44	7.1	< 1	< 0.24	**7.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.05	11.8	2109	17	-93	1.97
	06/02/11	< 5	< 0.19	< 0.34	< 0.29	< 1	< 1	< 0.44	9.1	< 1	< 0.9	**9.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.30	15.0	2000	7	-63	1.6
	06/04/12	< 10	< 0.19	< 0.34	< 0.29	< 1	< 1	< 0.44	1.1	< 1	< 0.9	**1.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.50	13.6	2024	7.4	473	3.4
	08/13/15	< 1.3	< 0.19	< 0.34	< 0.29	< 0.81	< 0.9	0.44	93	< 0.46	< 0.9	**93**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.46	18.8	2225	2.4	27	1.59

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3

SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
Deep Overburden Wells																														
MW-4	04/24/08	< 5	< 1	< 1	<1.0	1.2	< 1	< 1	300 D	0.6 J	< 1	**302**	0.57	NA	NA	0.22 J	NA	ND	0.081	1.7	118	ND	ND	ND	7.30	18.0	1879	< 1000	114	3.27
	08/18/08	**HRC INJECTION**																												
	10/02/08	17	1.1	< 1	ND	4	< 1	< 1	11	< 1	< 1	**15**	28.3	< 2.99	3.73	< 2.99	NA	20.6	1.8	0.38	96.4	ND	ND	0.0025	6.23	13.5	2830	178	-46	1.71
	12/18/08	25	< 1	< 1	< 1	4.6	< 1	< 1	7.1	< 1	< 1	**12**	1.2	< 1.1	< 1.1	< 1.1	NA	21.8	1.5	0.37	63.9	ND	ND	0.014	5.90	11.2	2821	NA	-76	0.84
	02/11/09	28	< 1	< 1	< 1.0	6.3	< 1	< 1	2	< 1	< 1	**8**	13.2	< 1.6	< 1.6	7.7	NA	15.4	0.676	0.372	65.4	< 0.0015	< 0.0015	0.0333	6.17	13.4	2435	20	-132	0.93
	04/21/09	20	0.41 J	< 1	< 1.0	1.6	< 1	< 1	1.9	< 1	< 1	**4**	1.5 J	< 2.5	< 2.5	< 2.5	NA	10.4	0.321	0.551	61	< 0.3	< 0.3	0.85	6.50	4.9	2003	16	-198	0.68
	07/17/09	19	0.61 J	< 1	< 1.0	2	< 1	< 1	73	< 1	< 1	**75**	NA	NA	NA	NA	NA	2.37	0.278	< 0.05	64	< 1.5	< 1.5	6.1	6.64	16.2	2642	15	-185	0.64
	03/29/10	< 5	< 0.19	< 0.34	< 0.29	1.3	< 1	< 0.44	4.8	< 1	< 0.24	**6.1**	21.8	< 2.2	< 2.2	< 2.2	NA	< 0.05	0.139	0.586	97.8	< 1.5	< 1.5	5.5	7.01	11.3	2161	6.6	-118	1.29
	06/02/11	< 10	< 0.19	< 0.34	< 0.29	< 1	< 1	< 0.44	2.4	< 1	< 1	**2.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.29	13.9	2053	8.0	-82	8
	06/05/12	< 10	< 0.19	< 0.34	< 0.29	2.5	< 1	< 0.44	120 D	3.3	< 0.9	**126**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.19	14.0	2156	4.5	21	2.57
	08/13/15	< 1.3	< 0.19	< 0.34	< 0.29	1.6	< 0.9	< 0.44	1.0	< 0.46	< 0.9	**2.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.39	16.2	2339	14	-59	1.56
MW-6	04/25/08	< 20	< 4	< 4	ND	< 4	< 4	< 4	9400 D	8.8 J	< 4	**9409**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.57	15.2	1861	< 1000	-138	2.18
	08/18/08	**HRC INJECTION**																												
	10/02/08	43	< 1	< 1	ND	44	< 1	< 1	53	9.5	< 1	**107**	33.2	< 1.23	7.01	0.588 J	NA	15.8	0.97	0.32	420	ND	ND	ND	6.57	13.7	2475	3669	-51	1.94
	12/18/08	130	< 1	< 1	< 1	150 D	1.2	< 1	21	< 1	< 1	**172**	14.5	< 5	< 5	< 5	NA	48.7	3	ND	ND	ND	ND	0.0066	5.79	11.8	3911	NA	0.111	0.78
	02/11/09	45 D	< 1	< 1	< 1.0	270 D	< 1	< 1	22 D	17 D	< 1	**309**	5.7	< 2.4	< 2.4	4.4	NA	35.5	1.75	< 0.05	13.4	< 0.0015	< 0.0015	0.257	5.91	12.9	3565	46	-102	1.53
	04/21/09	29	0.52 J	< 1	< 1.0	130 D	1.5	< 1	43	14	< 1	**189**	2.1 J	< 2.4	< 2.4	2.6	NA	7.44	0.671	0.011 J	4.7	< 1.5	< 1.5	< 1	6.64	14.5	2394	31	-142	0.93
	07/17/09	11 DJ	2.5 DJ	<4.0	< 4.0	240 D	< 4	3.1 DJ	17 D	3.8 D	<4.0	**261**	0.8 J	< 1.3	< 1.3	0.4 J	NA	< 0.05	< 0.003	0.42	83	< 1.5	< 1.5	6.4 D	7.04	15.0	2156	16	-131	2.32
	03/29/10	< 10	< 0.39	< 0.67	< 0.59	28 D	< 2	< 0.88	140 D	36 D	< 0.49	**204**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.11	12.0	2261	12	-85	2.51
	06/02/11	< 10	< 0.19	< 0.34	< 0.29	29	< 1	< 0.44	200 D	19 D	< 0.9	**248 D**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.20	14.3	2066	13	-90	1.72
	06/05/12	< 10	< 0.38	< 0.68	< 0.58	6	< 1	< 0.88	91	42	< 1.8	**139**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.31	13.8	2217	16	5	2.52
	08/13/15	< 1.3	< 0.19	< 0.34	< 0.29	12	< 0.9	< 0.44	1.2	1.3	< 0.9	**15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.40	15.5	2268	27	-71	1.28
MW-7	**08/18/08**	**HRC INJECTION**																												
	06/05/12	< 10	< 0.19	< 0.34	< 0.29	51	< 1	< 0.44	18	< 1	< 0.9	**69**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.26	13.9	2089	29	1.7	85
	8/14/15+	910	50	< 6.8	< 5.8	38	< 18	13 J	< 7.2	< 9.2	< 18	**38**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Poor quality of groundwater prevented sample measurement.					

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3

SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date	Parameter [1]																											
	TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
	2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]	**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
Off-Site NYSDEC Wells (S = shallow, D = deep) [3]																												
MW-21S Decommissioned 2018	**08/18/08**	**HRC INJECTION**																										
	05/28/09	< 5	< 1	0.75 J	<1.0	< 1	< 1	< 1	< 1	< 1	< 1	**0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	06/07/11	< 10	< 5	< 5	<5.0	< 5	< 5	<5.0	< 5	< 5	< 5	**0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
MW-21D Decommissioned 2018	**08/18/08**	**HRC INJECTION**																										
	05/28/09	< 5	< 1	1.4 J	<1.0	< 1	< 1	< 1	< 1	< 1	< 1	**0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	06/07/11	< 10	< 5	< 5	<5.0	< 5	< 5	< 5	< 5	< 5	< 5	**0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
MW-22S Decommissioned 2018	**08/18/08**	**HRC INJECTION**																										
	05/28/09	< 5	< 1	< 1	<1.0	< 1	< 1	< 1	< 1	< 1	< 1	**0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	06/07/11	< 10	< 5	< 5	<5.0	< 5	< 5	< 5	< 5	< 5	< 5	**0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
MW-22D Decommissioned 2018	**08/18/08**	**HRC INJECTION**																										
	05/28/09	< 5	< 1	0.92 J	<1.0	< 1	< 1	< 1	< 1	< 1	< 1	**0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	06/07/11	< 10	< 5	< 5	<5.0	< 5	< 5	< 5	< 5	< 5	< 5	**0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
MW-23S	**08/18/08**	**HRC INJECTION**																										
	05/28/09	< 5	< 1	0.64 J	< 1	47	< 1	< 1	560 D	3.6	< 1	**611**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	06/07/11	< 50	< 50	< 50	< 5.0	< 50	< 50	< 50	650	< 50	< 50	**650**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	06/04/12	< 10	< 0.19	< 0.34	< 0.29	11	< 1	< 0.44	1800 D	4.1	< 0.9	**1,815**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.63	11.8	3366	47	482	2.35
	04/16/14	**IET INJECTION**																										
	09/03/14	< 1.3	< 0.19	0.47 J	< 0.29	5.7	< 0.9	< 0.44	1400 D	3.4	< 0.9	**1,409**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.32	17.2	2755	51	26	0.82
	04/16/15	< 66	< 9.5	17	< 15	250	< 45	< 22	1200	72	< 45	**1,522**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	9.4	7.41	9.6	3441	25	45	3.17
	08/14/15	< 66	< 9.5	< 17	< 15	60	< 45	33 J	1300	93	< 45	**1,486**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	5.2	7.25	17.4	4791	16	150	1.18
	12/1-12/6/16	**ON-SITE EXCAVATION**																										
	01/23/17	< 19	< 10	< 7	< 1.7	7.1 J	< 7	< 7	470	10	< 0.71	**487**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.20	13.1	4083	0.87	186	3.11
	04/24/17	< 19	< 10	< 7	< 1.7	26	< 7	< 7	660	15	< 0.71	**701**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.31	11.8	2792	15.2	71	1.49
	11/12/18	< 9.7	< 5	< 3.5	< 0.84	< 3.5	< 3.5	< 3.5	590	3	< 0.36	**593**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.19	17.1	2887	11.7	56	1.58
	04/05/19	< 4.8	< 2.5	2.1 J D	< 0.42	< 1.8	< 1.8	< 1.8	310 D	1.1 J D	< 0.18	**313**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.29	9.4	3571	8.0	36	1.86
	11/20/19	< 4.8	< 2.5	2.4 J D	< 0.42	5.4 J	< 1.8	< 1.8	230 D	1.2 D	< 0.18	**239**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.34	17.2	3852	--	62	1.04
	04/01/20	< 9.7	< 5	< 3.5	< 0.84	< 3.5	< 3.5	< 3.5	820 D	3.5 D	< 0.36	**824**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.36	11.6	3161	10.2	48	1.29
	11/13/20	< 3.9	< 2	< 1.4	< 0.34	1.6 J D	< 1.4	< 1.4	330 D	1.7 D	< 0.14	**333**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.37	18.4	3136	9.4	95	0.78
	04/01/21	< 3.9	< 2	1.5 J D	< 0.34	1.9 J D	< 1.4	< 1.4	340 D	2.7 D	< 0.14	**346**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.42	10.2	2791	13.0	20	1.6

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Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
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		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
MW-23D	**08/18/08**	**HRC INJECTION**																											
	05/28/09	< 5	< 1	0.66 J	< 1	< 1	< 1	< 1	3.4	< 1	< 1	**3.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	06/07/11	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	**0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	07/30/15	< 1.3	< 0.19	< 0.34	< 0.29	< 0.81	< 0.9	< 0.44	< 0.36	< 0.46	< 0.9	**0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	11/17/20	< 1.3	< 0.19	< 0.34	< 0.29	< 0.81	< 0.9	< 0.44	1.4	< 0.46	< 0.9	**1.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.73	15.0	2192	100.9	42.9	1.98
	04/05/21	< 1.3	< 0.19	< 0.34	< 0.29	< 0.81	< 0.90	< 0.44	1.6	< 0.46	< 0.90	**1.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.29	13.5	1855	29.3	88.7	2.12
MW-24S	**08/18/08**	**HRC INJECTION**																											
	05/28/09	< 5	< 1	< 1	< 1	5.8	< 1	< 1	180 D	35	< 1	**221**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	06/07/11	< 100	< 50	< 50	< 50	< 50	< 50	< 50	1300	< 50	< 50	**1,300**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	06/04/12	< 10	< 0.19	< 0.34	< 0.29	2.2	< 1	< 0.44	2900 D	1.1	< 0.9	**2,903**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.51	13.1	3198	60	300	1.74
	04/16/14	**IET INJECTION**																											
	09/03/14	< 1.3	0.55 J	4.5	2.6 J	15	< 0.9	< 0.44	68,000	420 J	< 0.9	**68,436**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.39	15.9	2592	19	80	0.73
	04/16/15	< 1300	< 190	< 340	< 290	< 810	< 900	< 440	24000 D	< 460	< 900	*24,000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	< 1	7.33	13.0	2477	21	36	1.77
	08/14/15	< 1300	< 190	< 340	< 290	< 810	< 900	590 J	22,000	< 460	< 900	**22,590**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	2.6 J	< 1	7.31	16.2	2408	12	-16	1.63
	12/1-12/6/16	**ON-SITE EXCAVATION**																											
	01/23/17	< 190	< 100	< 70	< 17	< 70	< 70	< 70	9,000	35 J	< 7.1	**9,035**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.40	13.0	2425	4.1	81	1.97
	04/24/17	< 390	< 200	< 140	< 34	< 140	< 140	< 140	9,300	< 35	< 14	**9,300**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.49	15.0	2785	19.7	20	1.31
	11/12/18	< 39	< 20	< 14	< 3.4	< 14	< 14	< 14	3,900	5.7 J	< 1.4	**3,906**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.42	14.3	2781	30.6	8	4.96
	04/05/19	< 19	< 10	25 D	< 1.7	66 D	< 7	< 7	890 D2	29 D	< 0.71	**1,010**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.72	9.8	1554	766	66	2.31
	11/20/19	< 19	< 10	7.6 J D	< 1.7	< 7	< 7	< 7	1,100 D	< 1.8	< 0.71	**1,108**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.50	13.7	2804	--	17	17
	04/01/20	< 19	< 10	10 J D	< 1.7	15 J D	< 7	< 7	990 D	3.8 J D	< 0.71	**1,019**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.51	11.0	3490	4	130	4.48
	11/13/20	< 19	< 10	< 7	< 1.7	12 J D2	< 7	< 7	2,000 D	13 D2	< 0.71	**2,025**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.52	14.9	2935	3	135	1.49
	04/01/21	< 78	< 40	< 28	< 6.8	33 J D	< 28	< 28	6,100 D	15 J D	< 2.8	**6,148**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.42	11.0	2989	27.30	83	2.22

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3

SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
MW-24D	**08/18/08**	**HRC INJECTION**																											
	05/28/09	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	**0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	06/07/11	< 10	< 5	< 5	< 5	11	< 5	< 5	3 J	< 5	< 5	**14**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	06/04/12	< 10	< 0.19	< 0.34	< 0.29	100 D	< 1	< 0.44	1.1	< 1	< 0.9	**101**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.60	13.6	2400	35	-69	1.68
	04/16/14	**IET INJECTION**																											
	09/03/14	< 1.3	< 0.19	< 0.34	< 0.29	26	< 0.9	< 0.44	1.3	0.52 J	< 0.9	**28**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.35	15.5	2097	17	-102	1.02
	04/16/15	< 6.6	< 0.95	< 1.7	< 1.5	33	< 4.5	< 2.2	180	6.1	< 4.5	**219**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	39	7.30	9.1	2821	17	30	3.07
	07/30/15	< 1.3	< 0.19	< 0.34	< 0.29	160	< 0.9	< 0.44	15	3.2	< 0.9	**178**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	08/14/15	< 2.6	< 0.38	< 0.68	< 0.58	89	< 1.8	1.2 J	45	3.2	< 1.8	**137**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.5	< 1.5	40	7.16	16.1	2275	15	-51	1.55
	12/1-12/6/16	**ON-SITE EXCAVATION**																											
	01/23/17	< 1.9	< 1	< 0.7	0.19 J	48	< 0.7	< 0.7	4.0	2.2	< 0.07	**54**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.32	12.3	2315	3.2	47	1.76
	04/24/17	< 1.9	< 1	< 0.7	0.3 J	83	< 0.7	< 0.7	2.7	4.9	< 0.07	**91**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.33	15.9	2210	27	-92	1.20
	11/12/18	< 7.8	< 4	< 2.8	< 0.68	250	< 2.8	< 2.8	450	120	< 0.28	**820**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.20	12.5	2290	4.1	-96	1.01
	02/18/19	< 13	< 1.9	< 3.4	< 2.9	200	< 9.0	9.3 J	420	110	< 9.0	**730**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.62	13.5	2.412	62.4	-84.2	3.37
	04/05/19	< 9.7	< 5	< 3.5	< 0.84	290 D	< 3.5	< 3.5	480 D	130 D	< 0.36	**900**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.23	11.9	2451	4.5	-88	1.60
	11/20/19	< 1.9	< 1	< 0.7	0.58	170	1.2 J	< 0.7	180 D	66	< 0.07	**418**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.29	13.1	2603	--	-68	1.00
	04/01/20	< 3.9	< 2	< 1.4	0.73 J D	220 D	1.4 J D	< 1.4	270 D	95 D	< 0.14	**587**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.28	12.1	2555	2.0	-30	1.57
	11/13/20	< 1.9	< 1	< 0.7	0.49 J	150	0.97 J	< 0.7	180 D	73	< 0.07	**404**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.41	12.9	2537	4.4	68	1.30
	11/17/20	< 13	< 1.9	< 3.4	< 2.9	180	< 9	< 4.4	320	120	< 9	**620**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.73	12.6	2317	67.1	-139.7	1.43
	04/01/21	< 3.9	< 2	< 1.4	0.45 J D	140 D	< 1.4	< 1.4	220 D	77 D	< 0.14	**437**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.31	11.5	2533	9.2	-90	1.80
	04/05/21	< 11	< 1.5	< 2.7	< 2.3	200	< 7.2	< 3.5	310	120	< 7.2	**630**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.36	13.8	1979	189.3	-103.5	0.21
MW-25S	**08/18/08**	**HRC INJECTION**																											
	10/24/12	< 1.3	< 0.19	0.43 J	< 0.29	2.9	< 0.9	< 0.44	1900	6.6	< 0.9	**1,910**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	04/16/14	**IET INJECTION**																											
	07/30/15	< 5.3	< 0.76	< 1.4	< 1.2	200	< 3.6	< 1.8	300	10	17	**527**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	03/01/17	<5.3	<0.76	< 1.4	< 1.2	190 F1	< 3.6	< 1.8	56	5.2	36	**287**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	05/11/17	< 5.3	< 0.76	< 1.4	< 1.2	310	< 3.6	< 1.8	46	5.8	< 3.6	**362**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	02/18/19	< 26	< 3.8	< 6.8	< 5.8	880	< 18	< 21	1300	210	< 18	**2390**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.72	12.90	4.85	2.20	149.70	1.39
	11/17/20	< 11	< 1.5	< 2.7	< 2.3	110	< 7.2	< 3.5	370	32	< 7.2	**512**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.73	17.2	3778	60.2	41.2	1.55
	04/05/21	< 11	< 1.5	3.3 J	< 2.3	580	< 7.2	< 3.5	560	25	7.2 J	**1,176**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38	12.4	3054	80.8	88.9	0.45

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 3

SUMMARY OF PRE- AND POST-REMEDIAL GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]																											
		TCL Volatile Organic Compounds (ug/L)											Microbial Parameters (cells/mL)				Water Quality Parameters (mg/L)								Field Measurements (units as indicated)					
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*	Dehalococcoides	TCE R-Dase	BAV1 VC R-Dase	Vinyl Chloride Reductase (VC R-Dase)	Total Organic Carbon (TOC)	Iron- Soluble	Manganese- Soluble	Nitrate, mg/L-N	Sulfate	Ethane	Ethene	Methane	pH (units)	Temperature (˚C)	Specific Conductance (uS)	Turbidity	ORP (mV)	DO (ppm)
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**	**--**	**--**	**--**	**--**		**300**	**300**	**10**	**250**	**--**	**--**	**250**	**6.5 - 8.5**	**--**	**--**	**--**	**--**	**--**
MW-26S	**08/18/08**	**HRC INJECTION**																											
	10/24/12	< 1.3	< 0.19	< 0.34	< 0.29	5.4	< 0.9	< 0.44	3100	12	< 0.9	**3,117**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	04/16/14	**IET INJECTION**																											
	07/30/15	< 5.3	< 0.76	< 1.4	< 1.2	3.6 J	< 3.6	1.8	350	3.7 J	< 3.6	**357**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	03/01/17	< 5.3	< 0.76	< 1.4	< 1.2	110	<3.6	<1.8	4500 D	85	<3.6	**4,695**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	05/11/17	< 110	< 15	< 27	< 23	130	< 72	< 35	4500	76 J	< 72	**4,706**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	02/18/19	< 66	< 9.5	< 17	< 15	140	< 45	< 55	2900	100 J	< 45	**3,140**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.76	12.7	5.50	1.60	166.60	2.50
	11/17/20	< 13	< 1.9	< 3.2	< 2.9	28	< 9	< 4.4	770 F1	20	< 9	**818**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.77	16.0	3384	5.42	56.8	2.57
	04/05/21	< 26	< 3.8	< 6.8	< 5.8	38	< 18	< 8.8	860	36	< 18	**934**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.42	12.7	3457	30.19	102.4	2.19
MW-27S	**08/18/08**	**HRC INJECTION**																											
	10/24/12	< 1.3	< 0.19	0.63 J	< 0.38	< 0.81	< 0.9	< 0.44	1.7	< 0.46	< 0.9	**1.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	04/16/14	**IET INJECTION**																											
	07/30/15	< 1.3	< 0.19	0.36 J	< 0.29	< 0.81	< 0.9	< 0.44	1.4	< 0.46	< 0.9	**1.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	05/11/17	< 1.3	< 0.19	0.47 J	< 0.29	< 0.81	< 0.9	< 0.44	1.7	< 0.46	< 0.9	**2.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	(4)	(4)	(4)	(4)	(4)	(4)
	11/17/20	< 1.3	< 0.19	0.62 J	< 0.29	< 0.81	< 0.9	< 0.44	25	0.62 J	< 0.9	**26.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.85	15.8	3281	13.2	73.1	4.28
	04/05/21	< 1.3	< 0.19	1.4	< 0.29	< 0.81	< 0.90	< 0.44	6.6	< 0.46	< 0.9	**8.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.37	12.0	3155	100.6	123.2	4.00

Notes:

1. Only those parameters detected above their specific GWQS at a minimum of one sample location are presented. Some additional parameters were detected but not included due to low concentrations and sporadic detection.
2. Groundwater Quality Standard (GWQS) per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.
3. Groundwater data for the May 2009, June 2011, October 2012, and July 2015 events obtained from NYSDEC. The additional sampling events were performed by Benchmark.
4. Field parameter results were not provided by the NYSDEC.

Definitions:

< 0.19 = Parameter not detected above laboratory method detection limit.
NA = Sample not analyzed for parameter.
"--" = No groundwater quality standard available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
b = Analyte was detected in the associated blank as well as in the sample. Value is above the action level for consideration as being external contamination.
B = Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
D = Concentration of analyte was quantified from a diluted analysis.
NS = Not sampled due to car parked over well; several attempts to sample were made over a 2-week period.

* = Indicates the spike or duplicate analysis is not within the quality control limits.
D2 = Concentration of analyte was quantified at a secondary dilution.
N = Indicates spike sample recovery is not within the quality control limits.
E = Result exceeds calibration range.
P = Detected concentrations between the two GC columns is greater than 25%; lower value is reported and flagged (for CLP methodology only).
H = Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
"+" = Additional analytes detected but not included in this table are: 2-hexanone (31 J ug/L) and acetone (920 ug/L)
F1 = MS and/or MSD recovery is outside acceptable limits.

Insufficient sample to collect final field parameter measurements; values measured before sample collected.

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 4

SUMMARY OF POST-EXCAVATION GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]										
		TCL Volatile Organic Compounds (ug/L)										
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**
Shallow Overburden Wells												
PZ-4	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	01/23/17	< 39	< 20	< 14	< 3.4	**58**	< 14	< 14	**1,000**	**52**	< 1.4	**1,110**
	04/24/17	< 39	< 20	< 14	< 3.4	**52**	< 14	< 14	**1,200**	**44**	< 1.4	**1,296**
PZ-4R	11/12/18	< 19	< 10	< 7	< 1.7	**17 J**	< 7	< 7	**1,400**	**23**	< 0.71	**1,423**
	04/05/19	< 19	< 10	< 7	< 1.7	**38**	< 7	< 7	**1,200 D**	**24 D**	< 0.71	**1,262**
	11/20/19	< 19	< 10	< 7	< 1.7	**21 D J**	< 7	< 7	**1,100 D**	**21 D**	< 0.71	**1,142**
	04/01/20	< 19	< 10	< 7	< 1.7	**29 D**	< 7	< 7	**1,100 D**	**23 D**	< 0.71	**1,152**
	11/13/20	< 39	< 20	< 14	< 3.4	**36 D J**	< 14	< 14	**2,000 D**	**37 D**	< 1.4	**2,073**
	04/01/21	< 19	< 10	< 7	< 1.7	**35 D**	< 7	< 7	**1,600 D**	**26 D**	< 0.71	**1,661**
PZ-5	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	01/24/17	< 19	< 10	< 7	< 1.7	< 7	< 7	< 7	**880 D**	2.7 J	< 0.71	**883**
	04/24/17	< 19	< 10	< 7	< 1.7	**28**	< 7	< 7	**740**	3.4 J	< 0.71	**771**
	11/12/18	< 7.8	< 4	< 2.8	< 0.68	< 2.8	< 2.8	< 2.8	**340 J**	< 0.7	< 0.28	**340**
	04/05/19	< 3.9	< 2	6.5 D	< 0.34	< 1.4	< 1.4	< 1.4	**160 D**	0.62 J D	< 0.14	**167**
	11/20/19	< 4.8	< 2.5	< 1.8	< 0.42	< 1.8	< 1.8	< 1.8	**220 D**	< 0.44	< 0.18	**220**
	04/01/20	< 1.9	< 1	0.89 J	< 0.17	1.1 J	< 0.7	< 0.7	**280 D**	1.1	< 0.07	**283**
	11/13/20	< 3.9	< 2	2.3 D J	< 0.34	< 1.4	< 1.4	< 1.4	**180 D**	< 0.35	< 0.14	**182**
	04/01/21	< 1.9	< 1	5.2	< 0.17	< 0.7	< 0.7	< 0.7	**160**	< 0.18	< 0.07	**165**
PZ-6	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	01/23/17	< 19	< 10	< 7	< 1.7	< 7	< 7	< 7	**500**	**8.2**	< 0.71	**508**
	04/24/17	< 1.9	< 1	< 0.7	< 0.17	**5.8**	< 0.7	< 0.7	**46**	1.3	< 0.07	**53**
	11/12/18	< 4.8	< 2.5	< 1.8	< 0.42	2.4 J	< 1.8	< 1.8	**250**	2.7	< 0.18	**255**
	04/05/19	< 1.9	< 1.0	2.4 J	< 0.17	1.5 J	< 0.7	< 0.7	**200**	2.7	< 0.07	**207**
	11/20/19	< 3.9	< 2.0	< 1.8	< 0.42	2.1 D J	< 1.8	< 1.8	**170 D**	1.8 D	< 0.18	**174**
	04/01/20	< 1.9	< 1.0	1.2 J	< 0.17	1.3 J	< 0.7	< 0.7	**190 D**	2.2	< 0.07	**195**
	11/13/20	< 3.9	< 2.0	1.6 D J	< 0.34	< 1.4	< 1.4	< 1.4	**210 D**	1.7 D	< 0.14	**213**
	04/01/21	< 1.9	< 1.0	4.8	< 0.17	< 0.7	< 0.7	< 0.7	**66**	0.31 J	< 0.07	**71**
PZ-11	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	01/24/17	< 190	< 100	< 70	< 17	< 70	< 70	< 70	**5,500**	< 18	< 7.1	**5,500**
	04/24/17	< 190	< 100	< 70	< 17	< 70	< 70	< 70	**5,600**	< 18	< 7.1	**5,600**
	11/12/18	< 19	< 10	< 7	< 1.7	**18 J**	< 7	< 7	**1,300**	**14**	< 0.71	**1,332**
	04/05/19	< 78	< 40	< 28	< 6.8	< 28	< 28	< 28	**4,100 D**	**21 D**	< 2.8	**4,121**
	11/20/19	< 4.8	< 2.5	< 1.8	< 0.42	**7.7 D**	< 1.8	< 1.8	**440 D**	4 D	< 0.18	**452**
	04/01/20	< 19	< 10	< 7	< 1.7	< 7	< 7	< 7	**1,000 D**	2.5 J D	< 0.71	**1,003**
	11/13/20	< 39	< 20	< 14	< 3.4	< 14	< 14	< 14	**3,000 D**	**6.6 J D**	< 1.4	**3,007**
	04/01/21	< 39	< 20	< 14	< 3.4	< 14	< 14	< 14	**2,400 D**	**7.3 J D**	< 1.4	**2,407**

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 4

SUMMARY OF POST-EXCAVATION GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]										
		TCL Volatile Organic Compounds (ug/L)										
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**
PZ-12	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	01/24/17	< 48	< 25	< 18	< 4.2	**26 J**	< 18	< 18	**2,500**	**8.8 J**	< 1.8	**2,535**
	04/24/17	< 39	< 20	< 14	< 3.4	**14 J**	< 14	< 14	**1,900**	**7.8 J**	< 1.4	**1,922**
	11/12/18	< 19	< 10	< 7	< 1.7	< 7	< 7	< 7	**830 J**	< 1.8	< 0.71	**830**
	04/05/19	< 3.9	< 2	**9 D**	< 0.34	3.2 J D	< 1.4	< 1.4	**250 D**	0.91 J D	< 0.14	**263**
	11/20/19	< 39	< 20	< 14	< 3.4	< 14	< 14	< 14	**3,600 D**	**7.9 J D**	< 1.4	**3,608**
	04/01/20	< 19	< 10	< 7	< 1.7	< 7	< 7	< 7	**1,000 D**	3.3 J D	< 0.71	**1,003**
	11/13/20	< 1.9	< 1	1.4 J	< 0.17	< 0.7	< 0.7	< 0.7	**130**	0.68	< 0.07	**132**
	04/01/21	< 9.7	< 5	< 3.5	< 0.84	< 3.5	< 3.5	< 3.5	**1,100 D2**	2.4 J D	< 0.36	**1,102**
PZ-13	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	01/24/17	< 3.9	< 2	< 1.4	< 0.34	**50**	**5.0**	< 1.4	**79**	**19**	**18**	**171**
	04/24/17	< 19	< 10	< 7	< 1.7	**500**	**10 J**	< 7	**14**	**20**	**110**	**654**
	11/12/18	< 1.9	< 1	< 0.7	< 0.17	< 0.7	0.73 J	< 0.7	**16**	3.6	**32**	**52**
	04/05/19	< 3.9	< 2	< 1.4	1.8 J D	**280 D**	1.8 J D	< 1.4	**93 D**	**76 D**	**53 D**	**506**
	11/20/19	< 1.9	< 1	< 0.7	0.23 J	**52**	**6.6**	< 0.70	**13**	**14**	**38**	**124**
	04/01/20	< 1.9	< 1	< 0.7	< 0.17	**44**	1.5 J	< 7	**21**	**9.6**	**8.9**	**85**
	11/13/20	< 1.9	< 1	< 0.7	< 0.17	**45**	0.75 J	< 0.7	**30**	**7.2**	**4.9**	**88**
	04/01/21	< 1.9	< 1	< 0.7	< 0.17	**28**	1.2 J	< 0.7	**25**	**9.7**	**3.9**	**68**
PZ-14	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	01/24/17	< 1.9	< 1	< 0.7	0.34 J	**290 D**	**14**	< 0.7	4.8	**12**	**130**	**451**
	04/24/17	< 7.8	< 4	< 2.8	0.68 J	**180**	**8.5 J**	< 2.8	4.7	**140**	**140**	**473**
	11/12/18	< 1.9	< 1	< 0.7	< 0.17	**50**	1.8 J	< 0.7	**32**	**9.8**	**20**	**114**
	04/05/19	< 3.9	< 2	< 1.4	0.5 J D	**170 D**	4.2 J D	< 1.4	**150 D**	**32 D**	**30 D J**	**387**
	11/20/19	< 1.9	< 1	0.71 J	0.34 J	**100**	4.2	< 0.70	**33**	**12**	**35**	**185**
	04/01/20	< 4.8	< 2.5	< 1.8	0.74 J D	**340 D**	**5.4 J D**	< 1.8	**98 D**	**28 D**	**24 D**	**496**
	11/13/20	< 9.7	< 5	< 3.5	1.1 J D	**580 D**	**10 J D**	< 3.5	**110 D**	**29 D**	**82 D**	**812**
	04/01/21	< 1.9	< 1	< 0.7	0.36 J	**150**	2.1 J	< 0.7	**170**	**38**	**6.3**	**367**
MW-5R	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	01/23/17	< 39	< 20	< 14	< 3.4	< 14	< 14	< 14	**990**	**20**	< 1.4	**1,010**
	04/24/17	< 97	< 50	< 35	< 8.4	**160**	< 35	< 35	**3,600**	**55**	< 3.6	**3,815**
	11/12/18	< 19	< 10	< 7	< 1.7	**270**	< 7	< 7	**740**	**150**	< 0.71	**1,160**
	04/05/19	< 39	< 20	< 14	< 3.4	**270 D**	< 14	< 14	**1,900 D**	**300 D**	< 1.4	**2,470**
	11/20/19	< 7.8	< 4	< 2.8	< 0.68	**160 D**	< 2.8	< 2.8	**380 D**	**120 D**	< 0.28	**660**
	04/01/20	< 19	< 10	< 7	< 1.7	**170 D**	< 7	< 7	**980 D**	**180 D**	< 0.71	**1,330**
	11/13/20	< 9.7	< 5	< 3.5	< 0.84	**380 D**	**9.5 J D**	< 3.5	**460 D**	**140 D**	< 0.36	**990**
	04/01/21	< 9.7	< 5	< 3.5	< 0.84	**280 D**	**5.1 J D**	< 3.5	**1,000 D**	**210 D**	< 0.36	**1,495**

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 4

SUMMARY OF POST-EXCAVATION GROUNDWATER ANALYTICAL RESULTS

275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]										
		TCL Volatile Organic Compounds (ug/L)										
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**
Off-Site NYSDEC Wells (S = shallow, D = deep) [3]												
MW-23S	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	01/23/17	< 19	< 10	< 7	< 1.7	**7.1 J**	< 7	< 7	**470**	**10**	< 0.71	**487**
	04/24/17	< 19	< 10	< 7	< 1.7	**26**	< 7	< 7	**660**	**15**	< 0.71	**701**
	11/12/18	< 9.7	< 5	< 3.5	< 0.84	< 3.5	< 3.5	< 3.5	**590**	3	< 0.36	**593**
	04/05/19	< 4.8	< 2.5	2.1 J D	< 0.42	< 1.8	< 1.8	< 1.8	**310 D**	1.1 J D	< 0.18	**313**
	11/20/19	< 4.8	< 2.5	2.4 J D	< 0.42	**5.4 J**	< 1.8	< 1.8	**230 D**	1.2 D	< 0.18	**239**
	04/01/20	< 9.7	< 5	< 3.5	< 0.84	< 3.5	< 3.5	< 3.5	**820 D**	3.5 D	< 0.36	**824**
	11/13/20	< 3.9	< 2	< 1.4	< 0.34	1.6 J D	< 1.4	< 1.4	**330 D**	1.7 D	< 0.14	**333**
	04/01/21	< 3.9	< 2	1.5 J D	< 0.34	1.9 J D	< 1.4	< 1.4	**340 D**	2.7 D	< 0.14	**346**
MW-23D	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	11/17/20	< 1.3	< 0.19	< 0.34	< 0.29	< 0.81	< 0.9	< 0.44	1.4	< 0.46	< 0.9	**1.4**
	04/05/21	< 1.3	< 0.19	< 0.34	< 0.29	< 0.81	< 0.90	< 0.44	1.6	< 0.46	< 0.90	**1.6**
MW-24S	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	01/23/17	< 190	< 100	< 70	< 17	< 70	< 70	< 70	**9,000**	35 J	< 7.1	**9,035**
	04/24/17	< 390	< 200	< 140	< 34	< 140	< 140	< 140	**9,300**	< 35	< 14	**9,300**
	11/12/18	< 39	< 20	< 14	< 3.4	< 14	< 14	< 14	**3,900**	**5.7 J**	< 1.4	**3,906**
	04/05/19	< 19	< 10	**25 D**	< 1.7	**66 D**	< 7	< 7	**890 D2**	**29 D**	< 0.71	**1,010**
	11/20/19	< 19	< 10	**7.6 J D**	< 1.7	< 7	< 7	< 7	**1,100 D**	< 1.8	< 0.71	**1,108**
	04/01/20	< 19	< 10	**10 J D**	< 1.7	**15 J D**	< 7	< 7	**990 D**	3.8 J D	< 0.71	**1,019**
	11/13/20	< 19	< 10	< 7	< 1.7	**12 J D2**	< 7	< 7	**2,000 D**	**13 D2**	< 0.71	**2,025**
	04/01/21	< 78	< 40	< 28	< 6.8	**33 J D**	< 28	< 28	**6,100 D**	**15 J D**	< 2.8	**6,148**
MW-24D	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	01/23/17	< 1.9	< 1	< 0.7	0.19 J	**48**	< 0.7	< 0.7	4.0	2.2	< 0.07	**54**
	04/24/17	< 1.9	< 1	< 0.7	0.3 J	**83**	< 0.7	< 0.7	2.7	4.9	< 0.07	**91**
	11/12/18	< 7.8	< 4	< 2.8	< 0.68	**250**	< 2.8	< 2.8	**450**	**120**	< 0.28	**820**
	02/18/19	< 13	< 1.9	< 3.4	< 2.9	**200**	< 9.0	**9.3 J**	**420**	**110**	< 9.0	**730**
	04/05/19	< 9.7	< 5	< 3.5	< 0.84	**290 D**	< 3.5	< 3.5	**480 D**	**130 D**	< 0.36	**900**
	11/20/19	< 1.9	< 1	< 0.7	0.58	**170**	1.2 J	< 0.7	**180 D**	**66**	< 0.07	**418**
	04/01/20	< 3.9	< 2	< 1.4	0.73 J D	**220 D**	1.4 J D	< 1.4	**270 D**	**95 D**	< 0.14	**587**
	11/13/20	< 1.9	< 1	< 0.7	0.49 J	**150**	0.97 J	< 0.7	**180 D**	**73**	< 0.07	**404**
	11/17/20	< 13	< 1.9	< 3.4	< 2.9	**180**	< 9	< 4.4	**320**	**120**	< 9	**620**
	04/01/21	< 3.9	< 2	< 1.4	0.45 J D	**140 D**	< 1.4	< 1.4	**220 D**	**77 D**	< 0.14	**437**
	04/05/21	< 11	< 1.5	< 2.7	< 2.3	**200**	< 7.2	< 3.5	**310**	**120**	< 7.2	**630**
MW-25S	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	03/01/17	<5.3	<0.76	< 1.4	< 1.2	**190 F1**	< 3.6	< 1.8	**56**	**5.2**	**36**	**287**
	05/11/17	< 5.3	< 0.76	< 1.4	< 1.2	**310**	< 3.6	< 1.8	**46**	**5.8**	< 3.6	**362**
	02/18/19	< 26	< 3.8	< 6.8	< 5.8	**880**	< 18	< 21	**1300**	**210**	< 18	**2390**
	11/17/20	< 11	< 1.5	< 2.7	< 2.3	**110**	< 7.2	< 3.5	**370**	**32**	< 7.2	**512**
	04/05/21	< 11	< 1.5	3.3 J	< 2.3	**580**	< 7.2	< 3.5	**560**	**25**	7.2 J	**1,176**

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 4

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275 Franklin Street & 432 Pearl Street Sites
BCP Sites No. C915208 & C915237
Buffalo, New York

Monitoring Location & Sample Date		Parameter [1]										
		TCL Volatile Organic Compounds (ug/L)										
		2-Butanone (MEK)	Carbon disulfide	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	*Total TCL cVOCs*
GWQS [2]		**50**	**--**	**7**	**5**	**5**	**5**	**5**	**5**	**5**	**2**	**--**
MW-26S	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	03/01/17	< 5.3	< 0.76	< 1.4	< 1.2	**110**	<3.6	<1.8	**4500 D**	**85**	<3.6	**4,695**
	05/11/17	< 110	< 15	< 27	< 23	**130**	< 72	< 35	**4500**	**76 J**	< 72	**4,706**
	02/18/19	< 66	< 9.5	< 17	< 15	**140**	< 45	< 55	**2900**	**100 J**	< 45	**3,140**
	11/17/20	< 13	< 1.9	< 3.2	< 2.9	**28**	< 9	< 4.4	**770 F1**	**20**	< 9	**818**
	04/05/21	< 26	< 3.8	< 6.8	< 5.8	**38**	< 18	< 8.8	**860**	**36**	< 18	**934**
MW-27S	**12/1-12/6/16**	**ON-SITE EXCAVATION**										
	05/11/17	< 1.3	< 0.19	0.47 J	< 0.29	< 0.81	< 0.9	< 0.44	1.7	< 0.46	< 0.9	**2.2**
	11/17/20	< 1.3	< 0.19	0.62 J	< 0.29	< 0.81	< 0.9	< 0.44	**25**	0.62 J	< 0.9	**26.2**
	04/05/21	< 1.3	< 0.19	1.4	< 0.29	< 0.81	< 0.90	< 0.44	**6.6**	< 0.46	< 0.9	**8.0**

Notes:

1. Only those parameters detected above their specific GWQS at a minimum of one sample location are presented. Some additional parameters were detected but not included due to low concentrations and sporadic detection.
2. Groundwater Quality Standard (GWQS) per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.
3. Groundwater data for the May 2009, June 2011, October 2012, and July 2015 events obtained from NYSDEC. The additional sampling events were performed by Benchmark.
4. Field parameter results were not provided by the NYSDEC.

Definitions:

< 0.19 = Parameter not detected above laboratory method detection limit.
NA = Sample not analyzed for parameter.
"--" = No groundwater quality standard available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
b = Analyte was detected in the associated blank as well as in the sample. Value is above the action level for consideration as being external contamination.
B = Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
D = Concentration of analyte was quantified from a diluted analysis.
NS = Not sampled due to car parked over well; several attempts to sample were made over a 2-week period.

Result exceeds Groundwater Quality Standard (GWQS) per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1

APPENDIX A

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORMS

APPENDIX A1

SITE NO. C915208

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

Site Details **Box 1**

Site No. C915208

Site Name 275 Franklin Street

Site Address: 275 Franklin Street Zip Code: 14202
City/Town: Buffalo
County: Erie
Site Acreage: 0.260

Reporting Period: April 27, 2020 to April 27, 2021

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☑

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☑	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915208 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
111.38-2-22	Buffalo Development Corporation	Ground Water Use Restriction Landuse Restriction Site Management Plan IC/EC Plan Soil Management Plan Building Use Restriction Monitoring Plan

- Prohibition against well installation (or use of gw without treatment)
- Compliance with the Site Management Plan
- Compliance with the Soils Management Plan
- Annual monitoring of groundwater
- Highest land use is restricted to restricted residential

111.38-2-23	Buffalo Development Corporation	Ground Water Use Restriction Soil Management Plan Landuse Restriction Building Use Restriction Monitoring Plan Site Management Plan IC/EC Plan

- Prohibition against well installation (or use of gw without treatment)
- Compliance with the Site Management Plan
- Compliance with the Soils Management Plan
- Annual monitoring of groundwater
- Highest land use is restricted to restricted residential

Box 4

Description of Engineering Controls

Parcel	Engineering Control
111.38-2-22	Vapor Mitigation Cover System

- Cover consisting of hardscape or clean soil
- In-situ plume reduction measure
- Vapor intrusion mitigation for new structures

111.38-2-23	Cover System

Parcel	Engineering Control
	Vapor Mitigation

- Site cover consisting of hardscape or clean soil
- In-situ plume reduction measure
- Vapor intrusion mitigation for existing and new structures

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☑	☐

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

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

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

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

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

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

YES	NO
☑	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. C915208

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Jessica Croce (print name) at 257 FRANKLIN . BUFFALO NY (print business address),

am certifying as President of Buffalo Development Corp. (Owner or Remedial Party)

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

Jessica R. Croce — Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

5/26/21 — Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Lori Riker, P.E. at 2558 Hamburg Turnpike, Suite 300 Buffalo, New York 14218,

print name — print business address

am certifying as a Qualified Environmental Professional for the Owner

(Owner or Remedial Party)



Lori E Riker — 5/26/21

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification | Stamp (Required for PE) | Date

APPENDIX A2

SITE NO. C915237

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

Site Details **Box 1**

Site No. C915237

Site Name 432 Pearl Street

Site Address: 432 Pearl Street Zip Code: 14202
City/Town: Buffalo
County: Erie
Site Acreage: 0.700

Reporting Period: April 27, 2020 to April 27, 2021

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☑

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☑	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915237 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
111.38-2-20.1	Buffalo Development Corporation	Ground Water Use Restriction Soil Management Plan Landuse Restriction Building Use Restriction Monitoring Plan Site Management Plan IC/EC Plan

- Prohibition against well installation (or use of gw without treatment)
- Compliance with the Site Management Plan
- Compliance with the Soils Management Plan
- Compliance with the Operations Management plan for the vapor mitigation system
- Annual monitoring of groundwater
- Highest land use is restricted to restricted residential

111.38-2-4.1	Buffalo Development Corporation	Site Management Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan IC/EC Plan Building Use Restriction

- Prohibition against well installation (or use of gw without treatment)
- Compliance with the Site Management Plan
- Compliance with the Soils Management Plan
- Annual monitoring of groundwater
- Highest land use is restricted to restricted residential

Box 4

Description of Engineering Controls

Parcel	Engineering Control
111.38-2-20.1	Vapor Mitigation Cover System

- Cover consisting of hardscape or clean soil
- In-situ plume reduction measure
- Vapor intrusion mitigation for existing and new structures

111.38-2-4.1	Cover System

Parcel	Engineering Control
• Cover consisting of hardscape or clean soil • Vapor intrusion mitigation for new structures	

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☑	☐

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

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

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

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

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

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

YES	NO
☑	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. C915237

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Jessica Croce at 257 FRANKLIN BUFFALO NY,
print name print business address

am certifying as President of Buffalo Development Corp. (Owner or Remedial Party)

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

Jessica R. Croce 5/26/21
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Lori Riker, P.E. at 2558 Hamburg Turnpike, Suite 300 Buffalo, New York 14218,

print name — print business address

am certifying as a Qualified Environmental Professional for the Owner

(Owner or Remedial Party)



Lori E Riker — 5/26/21

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification | Stamp (Required for PE) | Date

APPENDIX B

PHOTOGRAPHIC LOG

SITE PHOTOGRAPHS

Photo 1:



Photo 2:



Photo 3:



Photo 4:



432 PEARL STREET

Photo 1: Asphalt cover system along eastern property boundary (looking southwest)

Photo 2: Asphalt cover system, from southwest corner of property (looking northeast)

Photo 3: Asphalt cover system along western property boundary and Asbury Alley (looking south)

Photo 4: Asphalt cover system in center of property (looking east)

SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:



Photo 8:



267 FRANKLIN STREET

Photo 5: Asphalt cover system from northeast corner of property (looking west)

Photo 6: Asphalt and landscape cover system (looking west)

Photo 7: Asphalt cover system from western property boundary (looking east)

Photo 8: Hardscape and landscape cover system along Franklin Street (looking east)

SITE PHOTOGRAPHS

Photo 9:

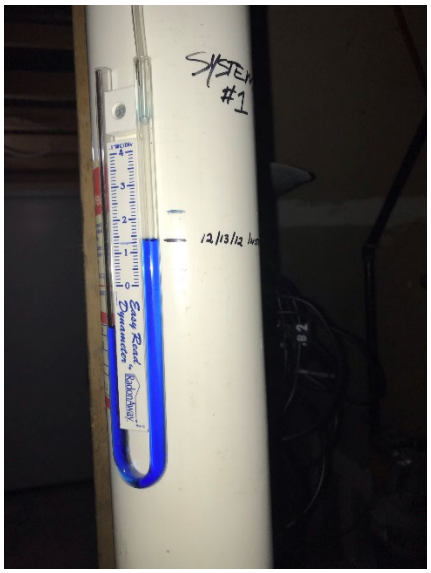


Photo 10:

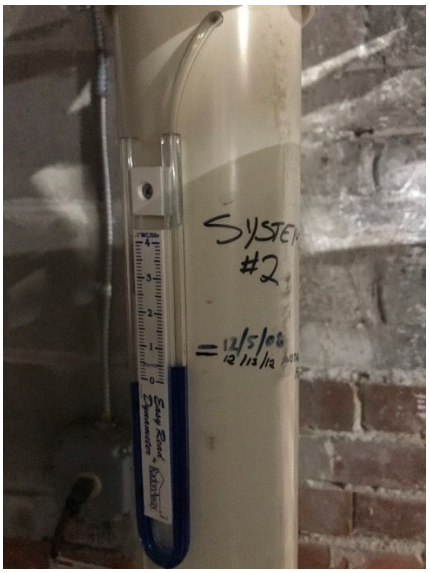


Photo 11:



Photo 12:



267 FRANKLIN STREET APARTMENT ASD SYSTEM

Photo 9: System #1 manometer in basement

Photo 10: System #2 manometer in basement

Photo 11: System #1 RP265 fans on roof

Photo 12: System #2 GP501 series fan on roof

SITE PHOTOGRAPHS

Photo 13:



Photo 14:



Photo 15:



Photo 16:



275 FRANKLIN STREET

Photo 13: Asphalt cover system from southeast corner of property (looking northwest)

Photo 14: Asphalt cover along the western property boundary (looking southeast)

Photo 15: Asphalt cover (looking northeast)

Photo 16: Asphalt cover looking south from the northern boundary

APPENDIX C

ASD SYSTEM LOGS

System #1

Active Subslab Depressurization (ASD) System Log
ASD System #2 (3 Sub-Slab Suction Points)
Radonaway GP-501 Series

Buffalo Development Corporation
432 Pearl Street Site (BCP Site No. C915237)

Date	Monometer Reading (in. wc)	Initials	Comments
APRIL 2020	1.5	JP	
MAY 2020	1.5	JP	
JUNE 2020	1.5	JP	
JULY 2020	1.5	JP	
AUGUST 2020	1.5	JP	
SEPT 2020	1.5	JP	
OCT 2020	1.5	JP	
NOV 2020	1.5	JP	
DEC 2020	1.5	JP	
JAN 2021	1.5	JP	
FEB 2021	1.5	JP	
MAR 2021	1.5	JP	

SYSTEM #2

Active Subslab Depressurization (ASD) System Log
ASD System #2 (3 Sub-Slab Suction Points)
Radonaway GP-501 Series

Buffalo Development Corporation
432 Pearl Street Site (BCP Site No. C915237)

Date	Monometer Reading (in. wc)	Initials	Comments
APR 2020	0.5	JP	
MAY 2020	0.5	JP	
JUN 2020	0.5	JP	
JUL 2020	0.5	JP	
AUG 2020	0.5	JP	
SEP 2020	0.5	JP	
OCT 2020	0.5	JP	
NOV 2020	0.5	JP	
DEC 2020	0.5	JP	
JAN 2021	0.5	JP	
FEB 2021	0.5	JP	
MAR 2021	0.5	JP	

APPENDIX D

GROUNDWATER ANALYTICAL DATA & FIELD NOTES

ANALYTICAL REPORT

Lab Number:	L2050514
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Lori Riker
Phone:	(716) 856-0599
Project Name:	275 FRANKLIN ST SITE
Project Number:	B0156-020-001
Report Date:	11/20/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001

Lab Number: L2050514
Report Date: 11/20/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2050514-01	PZ-6	WATER	275 FRANKLIN ST.	11/13/20 09:00	11/13/20
L2050514-02	PZ-5	WATER	275 FRANKLIN ST.	11/13/20 09:40	11/13/20
L2050514-03	PZ-4R	WATER	275 FRANKLIN ST.	11/13/20 12:40	11/13/20
L2050514-04	PZ-13	WATER	275 FRANKLIN ST.	11/13/20 11:20	11/13/20
L2050514-05	PZ-14	WATER	275 FRANKLIN ST.	11/13/20 10:20	11/13/20
L2050514-06	PZ-11	WATER	275 FRANKLIN ST.	11/13/20 11:40	11/13/20
L2050514-07	PZ-12	WATER	275 FRANKLIN ST.	11/13/20 12:15	11/13/20
L2050514-08	MW-5R	WATER	275 FRANKLIN ST.	11/13/20 10:05	11/13/20
L2050514-09	MW-24S	WATER	275 FRANKLIN ST.	11/13/20 11:35	11/13/20
L2050514-10	MW-24D	WATER	275 FRANKLIN ST.	11/13/20 12:30	11/13/20
L2050514-11	MW-23S	WATER	275 FRANKLIN ST.	11/13/20 13:35	11/13/20
L2050514-12	BLIND DUP	WATER	275 FRANKLIN ST.	11/13/20 08:00	11/13/20
L2050514-13	TRIP BLANK	WATER	275 FRANKLIN ST.	11/13/20 08:00	11/13/20

Project Name:	275 FRANKLIN ST SITE	**Lab Number:**	L2050514
Project Number:	B0156-020-001	**Report Date:**	11/20/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	275 FRANKLIN ST SITE	**Lab Number:**	L2050514
Project Number:	B0156-020-001	**Report Date:**	11/20/20

Case Narrative (continued)

Report Revision

November 20, 2020: The Client ID has been corrected on L2050514-02.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 11/20/20

ORGANICS

VOLATILES

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-01 D
Client ID: PZ-6
Sample Location: 275 FRANKLIN ST.

Date Collected: 11/13/20 09:00
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/18/20 23:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	1.6	J	ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	210		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	1.7		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-01 D
Client ID: PZ-6
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 09:00
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-02 D
Client ID: PZ-5
Sample Location: 275 FRANKLIN ST.

Date Collected: 11/13/20 09:40
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/18/20 23:32
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	2.3	J	ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	180		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-02 D
Client ID: PZ-5
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 09:40
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-03 D
Client ID: PZ-4R
Sample Location: 275 FRANKLIN ST.

Date Collected: 11/13/20 12:40
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/18/20 23:53
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	2000		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	ND		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	ND		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	37		ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-03 D
Client ID: PZ-4R
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 12:40
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	36	J	ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: 275 FRANKLIN ST SITE
Lab Number: L2050514
Project Number: B0156-020-001
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-04
Client ID: PZ-13
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 11:20
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/18/20 22:27
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	30		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.22	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	4.9		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.75	J	ug/l	2.5	0.70	1
Trichloroethene	7.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-04
Client ID: PZ-13
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 11:20
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	45		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	96		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-05 D
Client ID: PZ-14
Sample Location: 275 FRANKLIN ST.

Date Collected: 11/13/20 10:20
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/20 00:14
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	110		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	82		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	1.1	J	ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	10	J	ug/l	12	3.5	5
Trichloroethene	29		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-05 D
Client ID: PZ-14
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 10:20
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	580		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-06 D
Client ID: PZ-11
Sample Location: 275 FRANKLIN ST.

Date Collected: 11/13/20 11:40
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/20 22:31
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	3000		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	ND		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	ND		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	6.6	J	ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-06 D
Client ID: PZ-11
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 11:40
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	ND		ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-07
Client ID: PZ-12
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 12:15
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/18/20 22:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.4	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	130		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.68		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-07
Client ID: PZ-12
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 12:15
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	96		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-08 D
Client ID: MW-5R
Sample Location: 275 FRANKLIN ST.

Date Collected: 11/13/20 10:05
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/20 00:57
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	460		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	9.5	J	ug/l	12	3.5	5
Trichloroethene	140		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-08 D
Client ID: MW-5R
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 10:05
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	380		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-09 D2
Client ID: MW-24S
Sample Location: 275 FRANKLIN ST.

Date Collected: 11/13/20 11:35
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/20 22:07
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	2300	E	ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	13		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-09 D2
Client ID: MW-24S
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 11:35
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	12	J	ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-09 D
Client ID: MW-24S
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 11:35
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/20 10:14
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	2000		ug/l	12	4.5	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-10
Client ID: MW-24D
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 12:30
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/20 21:21
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	220	E	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.49	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.97	J	ug/l	2.5	0.70	1
Trichloroethene	73		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-10
Client ID: MW-24D
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 12:30
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	150		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-10 D
Client ID: MW-24D
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 12:30
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/20 10:36
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	180		ug/l	1.2	0.45	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-11 D
Client ID: MW-23S
Sample Location: 275 FRANKLIN ST.

Date Collected: 11/13/20 13:35
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/20 21:44
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	330		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	1.7		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-11 D
Client ID: MW-23S
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 13:35
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	1.6	J	ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-12 D
Client ID: BLIND DUP
Sample Location: 275 FRANKLIN ST.

Date Collected: 11/13/20 08:00
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/19/20 01:19
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	320		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	ND		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	ND		ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Trichloroethene	1.8	J	ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-12 D
Client ID: BLIND DUP
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 08:00
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	2.8	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
1,2,3-Trichlorobenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	ND		ug/l	40	1.1	4
1,4-Dioxane	ND		ug/l	1000	240	4
Freon-113	ND		ug/l	10	2.8	4
Methyl cyclohexane	ND		ug/l	40	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-13
Client ID: TRIP BLANK
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 08:00
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/18/20 19:35
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

SAMPLE RESULTS

Lab ID: L2050514-13
Client ID: TRIP BLANK
Sample Location: 275 FRANKLIN ST.
Date Collected: 11/13/20 08:00
Date Received: 11/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	94		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/18/20 18:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07-08,12-13 Batch: WG1436300-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/18/20 18:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07-08,12-13 Batch: WG1436300-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/18/20 18:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07-08,12-13 Batch: WG1436300-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	94		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/19/20 08:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1436385-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/19/20 08:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1436385-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/19/20 08:48
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1436385-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/19/20 20:11
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06,09-11 Batch: WG1436600-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/19/20 20:11
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06,09-11 Batch: WG1436600-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/19/20 20:11
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06,09-11 Batch: WG1436600-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001

Lab Number: L2050514
Report Date: 11/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-08,12-13 Batch: WG1436300-3 WG1436300-4								
Methylene chloride	90		90		70-130	0		20
1,1-Dichloroethane	98		94		70-130	4		20
Chloroform	93		92		70-130	1		20
Carbon tetrachloride	90		89		63-132	1		20
1,2-Dichloropropane	90		90		70-130	0		20
Dibromochloromethane	89		85		63-130	5		20
1,1,2-Trichloroethane	89		91		70-130	2		20
Tetrachloroethene	92		91		70-130	1		20
Chlorobenzene	95		95		75-130	0		20
Trichlorofluoromethane	95		95		62-150	0		20
1,2-Dichloroethane	90		89		70-130	1		20
1,1,1-Trichloroethane	93		91		67-130	2		20
Bromodichloromethane	92		87		67-130	6		20
trans-1,3-Dichloropropene	87		86		70-130	1		20
cis-1,3-Dichloropropene	88		86		70-130	2		20
Bromoform	86		86		54-136	0		20
1,1,2,2-Tetrachloroethane	92		91		67-130	1		20
Benzene	94		91		70-130	3		20
Toluene	95		98		70-130	3		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	86		85		64-130	1		20
Bromomethane	80		79		39-139	1		20
Vinyl chloride	91		91		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001

Lab Number: L2050514
Report Date: 11/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-08,12-13 Batch: WG1436300-3 WG1436300-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	94		92		61-145	2		20
trans-1,2-Dichloroethene	97		97		70-130	0		20
Trichloroethene	92		90		70-130	2		20
1,2-Dichlorobenzene	95		96		70-130	1		20
1,3-Dichlorobenzene	97		97		70-130	0		20
1,4-Dichlorobenzene	92		93		70-130	1		20
Methyl tert butyl ether	91		91		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	90		87		70-130	3		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	82		83		36-147	1		20
Acetone	85		83		58-148	2		20
Carbon disulfide	98		98		51-130	0		20
2-Butanone	95		96		63-138	1		20
4-Methyl-2-pentanone	83		79		59-130	5		20
2-Hexanone	79		80		57-130	1		20
Bromochloromethane	86		90		70-130	5		20
1,2-Dibromoethane	87		87		70-130	0		20
1,2-Dibromo-3-chloropropane	75		72		41-144	4		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	71		70		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 275 FRANKLIN ST SITE

Project Number: B0156-020-001

Lab Number: L2050514

Report Date: 11/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-08,12-13 Batch: WG1436300-3 WG1436300-4								
1,2,4-Trichlorobenzene	80		81		70-130	1		20
Methyl Acetate	82		81		70-130	1		20
Cyclohexane	99		100		70-130	1		20
1,4-Dioxane	82		82		56-162	0		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		94		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	105		106		70-130
Dibromofluoromethane	95		94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001

Lab Number: L2050514
Report Date: 11/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1436385-3 WG1436385-4								
Methylene chloride	99		94		70-130	5		20
1,1-Dichloroethane	97		97		70-130	0		20
Chloroform	94		94		70-130	0		20
Carbon tetrachloride	87		87		63-132	0		20
1,2-Dichloropropane	94		90		70-130	4		20
Dibromochloromethane	88		83		63-130	6		20
1,1,2-Trichloroethane	89		91		70-130	2		20
Tetrachloroethene	92		89		70-130	3		20
Chlorobenzene	98		96		75-130	2		20
Trichlorofluoromethane	92		88		62-150	4		20
1,2-Dichloroethane	92		86		70-130	7		20
1,1,1-Trichloroethane	90		88		67-130	2		20
Bromodichloromethane	93		91		67-130	2		20
trans-1,3-Dichloropropene	88		85		70-130	3		20
cis-1,3-Dichloropropene	88		89		70-130	1		20
Bromoform	80		82		54-136	2		20
1,1,2,2-Tetrachloroethane	87		88		67-130	1		20
Benzene	97		94		70-130	3		20
Toluene	96		96		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	95		89		64-130	7		20
Bromomethane	98		96		39-139	2		20
Vinyl chloride	88		88		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001

Lab Number: L2050514
Report Date: 11/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1436385-3 WG1436385-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	88		84		61-145	5		20
trans-1,2-Dichloroethene	95		97		70-130	2		20
Trichloroethene	91		92		70-130	1		20
1,2-Dichlorobenzene	96		95		70-130	1		20
1,3-Dichlorobenzene	100		97		70-130	3		20
1,4-Dichlorobenzene	97		94		70-130	3		20
Methyl tert butyl ether	89		89		63-130	0		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	89		86		70-130	3		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	76		72		36-147	5		20
Acetone	88		88		58-148	0		20
Carbon disulfide	94		91		51-130	3		20
2-Butanone	96		99		63-138	3		20
4-Methyl-2-pentanone	79		76		59-130	4		20
2-Hexanone	73		73		57-130	0		20
Bromochloromethane	95		91		70-130	4		20
1,2-Dibromoethane	85		85		70-130	0		20
1,2-Dibromo-3-chloropropane	61		60		41-144	2		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	**68**	Q	**67**	Q	70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 275 FRANKLIN ST SITE

Project Number: B0156-020-001

Lab Number: L2050514

Report Date: 11/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1436385-3 WG1436385-4								
1,2,4-Trichlorobenzene	77		76		70-130	1		20
Methyl Acetate	77		77		70-130	0		20
Cyclohexane	96		91		70-130	5		20
1,4-Dioxane	82		78		56-162	5		20
Freon-113	100		95		70-130	5		20
Methyl cyclohexane	99		95		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	105		105		70-130
Dibromofluoromethane	93		94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001

Lab Number: L2050514
Report Date: 11/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06,09-11 Batch: WG1436600-3 WG1436600-4								
Methylene chloride	90		88		70-130	2		20
1,1-Dichloroethane	100		98		70-130	2		20
Chloroform	94		93		70-130	1		20
Carbon tetrachloride	94		90		63-132	4		20
1,2-Dichloropropane	99		99		70-130	0		20
Dibromochloromethane	96		95		63-130	1		20
1,1,2-Trichloroethane	99		100		70-130	1		20
Tetrachloroethene	96		94		70-130	2		20
Chlorobenzene	99		98		75-130	1		20
Trichlorofluoromethane	88		84		62-150	5		20
1,2-Dichloroethane	97		96		70-130	1		20
1,1,1-Trichloroethane	94		90		67-130	4		20
Bromodichloromethane	93		92		67-130	1		20
trans-1,3-Dichloropropene	97		94		70-130	3		20
cis-1,3-Dichloropropene	92		91		70-130	1		20
Bromoform	94		89		54-136	5		20
1,1,2,2-Tetrachloroethane	110		100		67-130	10		20
Benzene	98		96		70-130	2		20
Toluene	100		99		70-130	1		20
Ethylbenzene	100		98		70-130	2		20
Chloromethane	91		87		64-130	4		20
Bromomethane	72		71		39-139	1		20
Vinyl chloride	95		90		55-140	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001

Lab Number: L2050514
Report Date: 11/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06,09-11 Batch: WG1436600-3 WG1436600-4								
Chloroethane	100		97		55-138	3		20
1,1-Dichloroethene	98		92		61-145	6		20
trans-1,2-Dichloroethene	98		94		70-130	4		20
Trichloroethene	94		91		70-130	3		20
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	93		93		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	96		95		70-130	1		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	66		63		36-147	5		20
Acetone	98		98		58-148	0		20
Carbon disulfide	93		87		51-130	7		20
2-Butanone	93		90		63-138	3		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	110		100		57-130	10		20
Bromochloromethane	99		96		70-130	3		20
1,2-Dibromoethane	97		96		70-130	1		20
1,2-Dibromo-3-chloropropane	110		95		41-144	15		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	120		100		70-130	18		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001

Lab Number: L2050514
Report Date: 11/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06,09-11 Batch: WG1436600-3 WG1436600-4								
1,2,4-Trichlorobenzene	110		99		70-130	11		20
Methyl Acetate	96		93		70-130	3		20
Cyclohexane	100		99		70-130	1		20
1,4-Dioxane	82		84		56-162	2		20
Freon-113	97		93		70-130	4		20
Methyl cyclohexane	96		92		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	105		105		70-130
Dibromofluoromethane	99		99		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-08,12-13 QC Batch ID: WG1436300-6 WG1436300-7 QC Sample: L2050514-08 Client ID: MW-5R												
Methylene chloride	ND	50	46	92		41	82		70-130	11		20
1,1-Dichloroethane	ND	50	48	96		48	96		70-130	0		20
Chloroform	ND	50	49	98		48	96		70-130	2		20
Carbon tetrachloride	ND	50	49	98		48	96		63-132	2		20
1,2-Dichloropropane	ND	50	47	94		47	94		70-130	0		20
Dibromochloromethane	ND	50	43	86		43	86		63-130	0		20
1,1,2-Trichloroethane	ND	50	45	90		44	88		70-130	2		20
Tetrachloroethene	460	50	480	**40**	Q	490	**60**	Q	70-130	2		20
Chlorobenzene	ND	50	48	96		48	96		75-130	0		20
Trichlorofluoromethane	ND	50	50	100		51	102		62-150	2		20
1,2-Dichloroethane	ND	50	46	92		44	88		70-130	4		20
1,1,1-Trichloroethane	ND	50	49	98		48	96		67-130	2		20
Bromodichloromethane	ND	50	46	92		46	92		67-130	0		20
trans-1,3-Dichloropropene	ND	50	42	84		41	82		70-130	2		20
cis-1,3-Dichloropropene	ND	50	41	82		40	80		70-130	2		20
Bromoform	ND	50	42	84		40	80		54-136	5		20
1,1,2,2-Tetrachloroethane	ND	50	44	88		42	84		67-130	5		20
Benzene	ND	50	46	92		46	92		70-130	0		20
Toluene	ND	50	47	94		47	94		70-130	0		20
Ethylbenzene	ND	50	50	100		50	100		70-130	0		20
Chloromethane	ND	50	47	94		47	94		64-130	0		20
Bromomethane	ND	50	41	82		41	82		39-139	0		20
Vinyl chloride	ND	50	48	96		48	96		55-140	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001
Lab Number: L2050514
Report Date: 11/20/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-08,12-13 QC Batch ID: WG1436300-6 WG1436300-7 QC Sample: L2050514-08 Client ID: MW-5R												
Chloroethane	ND	50	47	94		51	102		55-138	8		20
1,1-Dichloroethene	ND	50	49	98		49	98		61-145	0		20
trans-1,2-Dichloroethene	9.5J	50	55	110		56	112		70-130	2		20
Trichloroethene	140	50	180	80		180	80		70-130	0		20
1,2-Dichlorobenzene	ND	50	47	94		46	92		70-130	2		20
1,3-Dichlorobenzene	ND	50	48	96		47	94		70-130	2		20
1,4-Dichlorobenzene	ND	50	46	92		45	90		70-130	2		20
Methyl tert butyl ether	ND	50	44	88		42	84		63-130	5		20
p/m-Xylene	ND	100	100	100		99	99		70-130	1		20
o-Xylene	ND	100	100	100		98	98		70-130	2		20
cis-1,2-Dichloroethene	380	50	400	**40**	Q	410	**60**	Q	70-130	2		20
Styrene	ND	100	90	90		89	89		70-130	1		20
Dichlorodifluoromethane	ND	50	45	90		44	88		36-147	2		20
Acetone	ND	50	42	84		39	78		58-148	7		20
Carbon disulfide	ND	50	51	102		50	100		51-130	2		20
2-Butanone	ND	50	44	88		46	92		63-138	4		20
4-Methyl-2-pentanone	ND	50	42	84		40	80		59-130	5		20
2-Hexanone	ND	50	37	74		36	72		57-130	3		20
Bromochloromethane	ND	50	46	92		45	90		70-130	2		20
1,2-Dibromoethane	ND	50	43	86		41	82		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	50	39	78		32	64		41-144	20		20
Isopropylbenzene	ND	50	52	104		51	102		70-130	2		20
1,2,3-Trichlorobenzene	ND	50	32	**64**	Q	33	**66**	Q	70-130	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 275 FRANKLIN ST SITE

Project Number: B0156-020-001

Lab Number: L2050514

Report Date: 11/20/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07-08,12-13 QC Batch ID: WG1436300-6 WG1436300-7 QC Sample: L2050514-08 Client ID: MW-5R												
1,2,4-Trichlorobenzene	ND	50	37	74		37	74		70-130	0		20
Methyl Acetate	ND	50	40	80		38	76		70-130	5		20
Cyclohexane	ND	50	55	110		54	108		70-130	2		20
1,4-Dioxane	ND	2500	2100	84		2000	80		56-162	5		20
Freon-113	ND	50	54	108		54	108		70-130	0		20
Methyl cyclohexane	ND	50	53	106		53	106		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		98		70-130
4-Bromofluorobenzene	103		101		70-130
Dibromofluoromethane	96		97		70-130
Toluene-d8	98		97		70-130

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001

Lab Number: L2050514
Report Date: 11/20/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2050514-01A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-01B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-01C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-02A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-02B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-02C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-03A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-03B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-03C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-04A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-04B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-04C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-05A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-05B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-05C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-06A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-06B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-06C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-07A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-07B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-07C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-08A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-08A1	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001

Lab Number: L2050514
Report Date: 11/20/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2050514-08A2	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-08B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-08B1	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-08B2	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-08C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-08C1	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-08C2	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-09A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-09B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-09C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-10A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-10B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-10C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-11A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-11B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-11C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-12A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-12B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-12C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-13A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2050514-13B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)

Container Comments

L2050514-09B Sample ID as MW-23S not MW-24S. Bagged with rest of sample.

*Values in parentheses indicate holding time in days

Project Name:	275 FRANKLIN ST SITE	**Lab Number:**	L2050514
Project Number:	B0156-020-001	**Report Date:**	11/20/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	275 FRANKLIN ST SITE	**Lab Number:**	L2050514
Project Number:	B0156-020-001	**Report Date:**	11/20/20

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Project Name:	275 FRANKLIN ST SITE	**Lab Number:**	L2050514
Project Number:	B0156-020-001	**Report Date:**	11/20/20

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	275 FRANKLIN ST SITE	**Lab Number:**	L2050514
Project Number:	B0156-020-001	**Report Date:**	11/20/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 11/14/20

ALPHA Job #: L2050514

Client Information
Client: Benchmark Env. Eng.
Address: 2558 Hamburg Turnpike
Buffalo NY 14218
Phone: 716-856-0599
Fax:
Email: lriker@bm-hk.com

Project Information
Project Name: 275 Franklin St Site
Project Location: 275 Franklin St.
Project #: B0156-020-001
(Use Project name as Project #) ☐
Project Manager: Candace Fox
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

CAT B

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs - NYTCL 8260	Sample Specific Comments	Total Bottle
50514-01	PZ-6	11/13/20	900	Water	CMC	X		3
-02	PZ-5		940			X		3
-03	PZ-4R		1240			X		3
-04	PZ-13		1120			X		3
-05	PZ-14		1020			X		3
-06	PZ-11		1140			X		3
-07	PZ-12		1215			X		3
-08	MW-5R		1005			X	MS/MSD collected	9
-09	MW-24S		1135			X		3
-10	MW-24D	↓	1230	↓	↓	X		3

Container Type: V
Preservative: A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] ADK	11/13/20 1400	[signature] ADK	11/13/20 1408
[signature] ADK	11/13/20 1420	[signature]	11/14/20 08:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

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NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 11/14/20

ALPHA Job #: L2050514

Client Information
Client: Benchmark Env. Eng.
Address: 2558 Hamburg Turnpike Buffalo NY 14218
Phone: 716-856-0599
Fax:
Email: lriker@bm-llc.com

Project Information
Project Name: 275 Franklin St Site
Project Location: 275 Franklin St.
Project #: B0156-020-003
(Use Project name as Project #)
Project Manager: Candace Fox
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[ ] Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

CAT B

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + NYTCL 8260	Sample Specific Comments	Total Bottle
50514-11	MW-235	11/13/20	1335	Water	CMC	X		3
-12	Blind Dup	↓	800	↓	↓	X		3
-13	Trip Blank	↓	800	↓	↓	X		2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V											
Preservative	A											

Relinquished By:	Date/Time	Received By:	Date/Time
	11/13/20 1400		11/13/20 1400
	11/13/20 1422		11/14/20 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: **275 Franklin Street Site**

Project No.: B0156-020-001

Client: Buffalo Development Corp.

Date: 11/13/2020

Instrument Source: [X] BM [ ] Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
[☑] pH meter	units	800	Myron L Company Ultra Meter 6P	6213516 [ ] 6243084 [ ] 6212375 [ ] 6243003 [ ] 6223973 [X]	CCB	4.00 7.00 10.01	3.97 7.03 10.01	
[☑] Turbidity meter	NTU		Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) [ ] 13120C030432 (Q) [ ] 17110C062619 (Q) [ ]		10 NTU verification < 0.4 20 100 800		
[☑] Sp. Cond. meter	uS mS	800	Myron L Company Ultra Meter 6P	6213516 [ ] 6243084 [ ] 6212375 [ ] 6243003 [ ] 6223973 [X]	CCB	____ mS @ 25 °C	6997	
[ ] PID	ppm		MinRAE 2000			open air zero ____ ppm Iso. Gas		MIBK response factor = 1.0
[☑] Dissolved Oxygen	ppm	800	HACH Model HQ30d	080700023281 [ ] 100500041867 [ ] 140200100319 [ ]	CCB	100% Satuartion	100.1	
[ ] Particulate meter	mg/m^3					zero air		
[ ] Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

P TCHMARK
E ONMENTAL
ENGINEERING & SCIENCE, PLLC

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: **275 Franklin Street Site**
Project No.: B0156-020-001
Client: Buffalo Development Corp.

Date: 11/13/2020

Instrument Source: [X] BM [ ] Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
[x] pH meter	units	800	Myron L Company Ultra Meter 6P	6213516 [ ] 6243084 [ ] 6212375 [ ] 6243003 [x] 6223973 [ ]	CCB	4.00 7.00 10.01	3.90 7.02 10.07	
[x] Turbidity meter	NTU		Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) [ ] 13120C030432 (Q) [ ] 17110C062619 (Q) [ ]		10 NTU verification < 0.4 20 100 800		
[x] Sp. Cond. meter	uS mS	800	Myron L Company Ultra Meter 6P	6213516 [ ] 6243084 [ ] 6212375 [ ] 6243003 [ ] 6223973 [ ]	CCB	7000 mS @ 25 °C	7007	
[ ] PID	ppm		MinRAE 2000			open air zero ____ ppm Iso. Gas		MIBK response factor = 1.0
[x] Dissolved Oxygen	ppm	800	HACH Model HQ30d	080700023281 [ ] 100500041867 [ ] 140200100319 [ ]	CCB	100% Satuartion	100.1	
[ ] Particulate meter	mg/m^3					zero air		
[ ] Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

WATER LEVEL MONITORING RECORD

Project Name:	275 Franklin Street Site	Client:	Buffalo Development Corp.
Project No.:	B0156-020-001	Location:	Buffalo NY
Field Personnel:	CMC/CCB	Date:	11/13/2020
Weather:			

Well No.	Time	Top of Riser Elevation (fmsl)	Static Depth to Water (fbTOR)	Groundwater Elevation (fmsl)	Total Depth (fbTOR)	Last Total Depth Measurement (fbTOR)
PZ-1						
PZ-2	7:48		12.5		15.21	
PZ-3	7:49		11.54		15.3	
PZ-4R	7:44		11.55		14.13	
PZ-5	7:51		11.13		15.18	
PZ-6	7:53		11.13		15.03	
PZ-7	7:58		12.72		15.51	
PZ-8	8:05		11.87		13.73	
PZ-9	8:09		11.05		14.77	
PZ-10	8:12		11.12		11.70	
PZ-11	8:24		10.61		15.04	
PZ-12	8:26		10.69		15.22	
PZ-13	10:52		10.80		12.86	
PZ-14	8:28		10.48		15.04	
MW-5R	7:40		11.74		18.88	
MW-24S	~~8:11~~		10.68		18.60	
MW-24D	8:17		11.40		47.12	
MW-23S	8:20		11.32		18.57	

Comments/Remarks: PZ-13, unable to access piezometer until after MW-5R, PZ-6, PZ-5, + PZ-14 were purged + sampled

PREAPRED BY: DATE: 11/13/2020

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 275 Franklin Street Site | Date: 11/13/2020

Location: Buffalo, New York | Project No.: B0156-020-001 | Field Team: CMC/CCB

Well No.	PZ-6	Diameter (inches):	1"	Sample Date / Time:	11/13/2020 900
Product Depth (fbTOR):		Water Column (ft):	3.9	DTW when sampled:	—
DTW (static) (fbTOR):	11.13	One Well Volume (gal):	0.16	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	15.03	Total Volume Purged (gal):		Purge Method:	Peristaltic pump

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
845	0	Initial	0	6.50	14.9	4114	23.5	5.58	163	clear / no odor
847	1	–	0.25	6.73	15.9	4107	6.78	5.32	159	" "
850	2	–	0.75	6.95	16.3	4129	3.58	5.16	157	" "
853	3	–	1.25	7.03	16.6	4031	2.35	5.08	155	" "
855	4	–	1.50	7.07	16.3	4081	1.79	5.23	155	" "
857	5	–	1.75	7.14	16.0	4185	1.79	5.31	153	
	6									
	7									
	8									
	9									
	10									
Sample Information:			2.0				1.63			
900	S1	–	[illegible]	7.16	16.5	4149	[illegible]	5.35	153	" "
903	S2	–	2.25	7.24	16.4	4202	1.28	5.32	153	" "

Well No.	PZ-5	Diameter (inches):	1"	Sample Date / Time:	11/13/2020 940
Product Depth (fbTOR):	[illegible]	Water Column (ft):	4.05	DTW when sampled:	—
DTW (static) (fbTOR):	11.13	One Well Volume (gal):	0.16	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	15.18	Total Volume Purged (gal):		Purge Method:	Peristaltic pump

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
925	0	Initial	0	7.47	16.2	4116	509	5.33	156	Slightly turbid / no odor
928	1	–	0.5	7.43	16.3	4123	84.4	5.47	156	" "
931	2	–	1.0	7.44	16.3	4100	18.5	5.35	156	Clear / no odor
934	3	–	1.25	7.51	16.1	4092	15.4	5.36	154	" "
936	4	–	1.75	7.53	15.9	4073	12.0	5.39	155	" "
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
940	S1	–	2.0	7.51	16.3	4057	23.0	5.33	162	" "
944	S2	–	2.5	7.52	16.3	4059	10.1	5.32	153	" "

REMARKS:

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 275 Franklin Street Site | Date: 11/13/2020

Location: Buffalo, New York | Project No.: B0156-020-001 | Field Team: CMC/CCB

Well No. MW-24D			Diameter (inches): 2"			Sample Date / Time: 11/13/2020 12:30			
Product Depth (fbTOR):			Water Column (ft): 35.72			DTW when sampled:			
DTW (static) (fbTOR): 11.40			One Well Volume (gal): 5.8			Purpose: ☐ Development ☐ Sample ☑ Purge & Sample			
Total Depth (fbTOR): 47.12			Total Volume Purged (gal):			Purge Method: Submersible pump			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
11:50	0 Initial	0	7.60	13.0	2657	873	0.79	103	cloudy, no odor
12:04	1 11.62	5.8	7.50	13.3	2562	8.72	0.74	54	clear, no odor
12:16	2 11.64	10.0	7.46	12.8	2585	5.30	1.11	65	"
12:25	3 11.64	13	7.42	12.7	2562	4.80	0.75	58	"
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
12:30	S1 11.64	15.5	7.41	12.9	2537	4.40	1.30	68	
12:34	S2 11.64	16.0	7.36	13.3	2539	3.90	0.75	58	

Well No. MW-24S			Diameter (inches): 2"			Sample Date / Time: 11/13/2020 11:35			
Product Depth (fbTOR):			Water Column (ft): 7.92			DTW when sampled:			
DTW (static) (fbTOR): 10.68			One Well Volume (gal): 1.3			Purpose: ☐ Development ☐ Sample ☑ Purge & Sample			
Total Depth (fbTOR): 18.60			Total Volume Purged (gal):			Purge Method: Submersible pump			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
11:20	0 Initial	0	8.11	12.6	2970	344	2.01	144	none
11:23	1 10.75	1.3	7.78	14.3	2923	41.9	1.51	144	"
11:26	2 10.75	2.3	7.63	14.5	2955	15.3	1.46	140	"
11:29	3 10.74	3.3	7.58	14.9	2936	7.74	1.48	139	"
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
11:35	S1	4.0	7.52	14.9	2935	3.16	1.49	135	
11:38	S2	4.5	7.50	14.9	2936	2.84	1.43	136	

REMARKS:

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 275 Franklin Street Site | Date: 11/13/2020

Location: Buffalo, New York | Project No.: B0156-020-001 | Field Team: CMC/CCB

Well No.	PZ-4R	Diameter (inches):	1"	Sample Date / Time:	11/13/2020	1240
Product Depth (fbTOR):	—	Water Column (ft):	2.58	DTW when sampled:	—	
DTW (static) (fbTOR):	11.55	One Well Volume (gal):	0.41	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample		
Total Depth (fbTOR):	14.13	Total Volume Purged (gal):	0.30	Purge Method:	bailer	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1228	0	Initial	0	7.57	15.5	6625	50.5	6.29	62	slight turbidity no odor
1232	1	—	0.20	7.53	12.6	6648	484	6.30	60	" "
1234	2	—	0.25	7.41	16.4	6653	629	6.75	59	" "
1236	3	—	0.30	7.40	16.3	6668	398	7.46	60	" "
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1240	S1	—	0.35	7.37	16.7	6688	237	7.23	60	" "
1244	S2	—	0.40	7.36	16.7	6622	397	6.85	62	" "

Well No.	MW-5R	Diameter (inches):	2"	Sample Date / Time:	11/13/2020	10:05
Product Depth (fbTOR):		Water Column (ft):	7.14	DTW when sampled:	11.95	
DTW (static) (fbTOR):	11.74	One Well Volume (gal):	1.16	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample		
Total Depth (fbTOR):	18.88	Total Volume Purged (gal):	6.5	Purge Method:	Low Flow	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
9:52	0	Initial	0	6.65	13.7	5670	56.4	1.83	179	none
9:54	1	11.92	1.5	6.84	15.7	5372	13.8	1.39	168	none
9:58	2	11.94	3.0	7.02	16.2	5366	14.9	1.30	141	
10:00	3	11.95	6.0	7.12	15.0	5351	29.9	1.56	107	
10:02	4	11.	5.5	7.12	16.3	5392	21.7	1.20	98	
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
10:05	S1	11.95	6.0	7.13	16.9	5413	16.4	1.15	94	
10:07	S2	11.90	6.5	7.20	16.3	5506	12.1		99	

REMARKS:

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 275 Franklin Street Site | Date: 11/13/2020

Location: Buffalo, New York | Project No.: B0156-020-001 | Field Team: CMC/CCB

Well No.	PZ-11	Diameter (inches):	1"	Sample Date / Time:	11/13/2020	1140
Product Depth (fbTOR):	—	Water Column (ft):	4.43	DTW when sampled:	—	
DTW (static) (fbTOR):	10.61	One Well Volume (gal):	0.18	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample		
Total Depth (fbTOR):	15.04	Total Volume Purged (gal):	1.75	Purge Method:	~~Tubo-Flo~~ peristaltic pump.	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1130	0	Initial	0	7.65	15.9	5051	211	5.60	-21	clear/no odor.
1132	1	—	0.5	7.59	16.4	5040	166	4.29	-18	" "
1134	2	—	0.75	7.45	16.4	4902	24.2	4.03	-10	" "
1136	3	—	1.0	7.50	16.4	4897	9.60	4.78	-8	" "
1138	4	—	1.25	7.46	16.7	4722	9.27	4.47	-7	
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1140	S1	—	1.50	7.41	16.8	4754	6.73	4.51	-2	" "
1141	S2	—	1.75	7.44	16.7	4756	4.15	4.00	5	" "

Well No.	PZ-12	Diameter (inches):	1"	Sample Date / Time:	11/13/2020	1215
Product Depth (fbTOR):	—	Water Column (ft):	4.53	DTW when sampled:	—	
DTW (static) (fbTOR):	10.69	One Well Volume (gal):	0.18	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample		
Total Depth (fbTOR):	15.22	Total Volume Purged (gal):	1.75	Purge Method:	peristaltic pump.	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1200	0	Initial	0	7.67	16.1	2937	20.8	3.90	20	clear/no odor.
1202	1	—	0.25	7.51	16.5	2985	62.3	3.78	22	" "
1204	2	—	0.50	7.44	16.5	3030	7.72	3.39	25	" "
1207	3	—	0.10	7.48	16.6	3053	4.70	3.24	26	" "
1210	4		1.25	7.50	16.6	3075	2.42	3.49	28	" "
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1215	S1	—	1.5	7.51	16.7	3081	1.56	3.52	29	" "
1217	S2	—	1.75	7.47	16.6	3104	1.82	3.57	33	" "

REMARKS:

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY: CCB

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 275 Franklin Street Site | Date: 11/13/2020

Location: Buffalo, New York | Project No.: B0156-020-001 | Field Team: CMC/CCB

Well No.	PZ-13	Diameter (inches):	1"	Sample Date / Time:	11/13/2020 1120
Product Depth (fbTOR):	—	Water Column (ft):	2.04	DTW when sampled:	—
DTW (static) (fbTOR):	10.80	One Well Volume (gal):		Purpose:	☐ Development ☐ Sample ☑ Purge & Sample
Total Depth (fbTOR):	12.84	Total Volume Purged (gal):	1.75	Purge Method:	Parastaltic pump.

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1100	0	Initial	0	7.77	13.7	2676	71000	2.61	-44	turbid / no odor
1102	1	—	0.25	7.52	15.6	3279	338	2.88	-34	" "
1104	2	—	0.50	7.56	16.5	3491	62.4	2.77	-31	Clear / no odor
1107	3	—	0.75	7.57	16.6	3591	22.1	2.62	-31	"
1110	4	—	1.0	7.51	16.7	3624	16.3	2.32	-29	"
1113	5	—	1.25	7.52	16.8	3688	18.2	2.47	-28	"
	6									
	7									
	8									
	9									
	10									
Sample Information:			1.5							
1120	S1	—	MS/MSD	7.54	16.7	3702	11.3	2.50	-29	"
1122	S2	—	1.50	7.55	16.7	3728	11.6	2.66	-31	"

Well No.	PZ-14	Diameter (inches):	1"	Sample Date / Time:	11/13/2020 1020
Product Depth (fbTOR):	—	Water Column (ft):	4.56	DTW when sampled:	—
DTW (static) (fbTOR):	10.48	One Well Volume (gal):	0.18	Purpose:	☐ Development ☐ Sample ☑ Purge & Sample
Total Depth (fbTOR):	15.04	Total Volume Purged (gal):	2.0	Purge Method:	Parastaltic pump.

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1005	0	Initial	0	7.49	14.4	3785	120	3.10	146	Clear / no odor
1007	1	—	0.25	7.42	15.6	3795	736	2.50	101	" "
1010	2	—	0.75	7.42	15.7	3772	162	4.96	16	" "
1012	3	—	1.0	7.34	16.0	3795	28.5	2.19	-18	" "
1014	4	—	1.25	7.33	16.0	3716	15.6	1.76	-49	" "
1017	5	—	1.5	7.32	16.0	3689	12.7	1.80	-58	" "
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1020	S1	—	1.75	7.34	16.1	3691	9.37	1.73	-64	" "
1023	S2	—	2.0	7.36	16.0	3680	10.17	1.87	-72	" "

REMARKS:

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 275 Franklin Street Site | Date: 11/13/2020

Location: Buffalo, New York | Project No.: B0156-020-001 | Field Team: CMC/CCB

Well No.	MW-23S	Diameter (inches):	2"	Sample Date / Time:	11/13/2020	1335
Product Depth (fbTOR):	—	Water Column (ft):	7.05	DTW when sampled:	11.74	
DTW (static) (fbTOR):	11.52	One Well Volume (gal):	1.15	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample		
Total Depth (fbTOR):	18.57	Total Volume Purged (gal):	4.0	Purge Method:	low-flow	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1322	0	Initial	0	7.77	15.6	2801	87.7	2.29	112	Clear/no odor
1324	1	11.71	1.0	7.53	18.0	2900	41.1	0.95	102	" "
1326	2	11.74	2.0	7.42	18.3	3114	19.8	0.78	96	" "
1329	3	11.74	3.0	7.44	18.0	3154	12.9	0.85	94	" "
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1335	S1	11.74	3.5	7.37	18.4	3136	9.44	0.78	95	" "
1337	S2	11.74	4.0	7.36	18.0	3140	6.85	0.77	99	" "

Well No.		Diameter (inches):		Sample Date / Time:		
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:		
DTW (static) (fbTOR):		One Well Volume (gal):		Purpose: ☐ Development ☐ Sample ☐ Purge & Sample		
Total Depth (fbTOR):		Total Volume Purged (gal):		Purge Method:		

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0	Initial								
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
	S1									
	S2									

REMARKS: Blind Dup collected w/ MW-23S 8:00

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

eurofins | Environment Testing America

ANALYTICAL REPORT

Job Number: 480-178383-1

Job Description: 275 Franklin Street #C915208A

Contract Number: C100700

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, NY 14203

Attention: Megan Kuczka



Approved for release.
Orlette S Johnson
Senior Project Manager
12/1/2020 8:26 AM

Orlette S Johnson, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0864
Orlette.Johnson@Eurofinset.com
12/01/2020

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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

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

Job Number: 480-178383-1

Job Description: 275 Franklin Street #C915208A

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



Approved for release.
Orlette S Johnson
Senior Project Manager
12/1/2020 8:26 AM

Orlette S Johnson

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Job Narrative
480-178383-1

Receipt
The samples were received on 11/18/2020 11:45 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP-111720 (480-178383-2) and MW-24D (480-178383-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-26S (480-178383-1), MW-26S (480-178383-1[MS]), MW-26S (480-178383-1[MSD]) and MW-25S (480-178383-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-560828 recovered above the upper control limit for Carbon disulfide, Carbon tetrachloride, 1,1,2-Trichloro-1,2,2-trifluoroethane and Methylcyclohexane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-26S (480-178383-1) and MW-25S (480-178383-3).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-560826 recovered above the upper control limit for Carbon disulfide, 1,1,2-Trichloro-1,2,2-trifluoroethane, Trichlorofluoromethane, and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-27S (480-178383-4), MW-24D (480-178383-5) and MW-23D (480-178383-6).

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

Sample Summary

Client: New York State D.E.C.
Job ID: 480-178383-1
Project/Site: 275 Franklin Street #C915208A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-178383-1	MW-26S	Water	11/17/20 08:50	11/18/20 11:45	
480-178383-2	DUP-111720	Water	11/17/20 00:00	11/18/20 11:45	
480-178383-3	MW-25S	Water	11/17/20 10:20	11/18/20 11:45	
480-178383-4	MW-27S	Water	11/17/20 11:35	11/18/20 11:45	
480-178383-5	MW-24D	Water	11/17/20 12:45	11/18/20 11:45	
480-178383-6	MW-23D	Water	11/17/20 14:00	11/18/20 11:45	
480-178383-7	TRIP BLANK	Water	11/17/20 00:00	11/18/20 11:45	

Detection Summary

Client: New York State D.E.C.
Project/Site: 275 Franklin Street #C915208A

Job ID: 480-178383-1

Client Sample ID: MW-26S — Lab Sample ID: 480-178383-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	28		20	16	ug/L	20		8260C	Total/NA
Tetrachloroethene	770	F1	20	7.2	ug/L	20		8260C	Total/NA
Trichloroethene	20		20	9.2	ug/L	20		8260C	Total/NA

Client Sample ID: DUP-111720 — Lab Sample ID: 480-178383-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	3.4	J	10	3.4	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	18		10	8.1	ug/L	10		8260C	Total/NA
Tetrachloroethene	720		10	3.6	ug/L	10		8260C	Total/NA
Trichloroethene	19		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: MW-25S — Lab Sample ID: 480-178383-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	110		8.0	6.5	ug/L	8		8260C	Total/NA
Tetrachloroethene	370		8.0	2.9	ug/L	8		8260C	Total/NA
Trichloroethene	32		8.0	3.7	ug/L	8		8260C	Total/NA

Client Sample ID: MW-27S — Lab Sample ID: 480-178383-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.62	J	1.0	0.34	ug/L	1		8260C	Total/NA
Tetrachloroethene	25		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	0.62	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-24D — Lab Sample ID: 480-178383-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	180		10	8.1	ug/L	10		8260C	Total/NA
Tetrachloroethene	320		10	3.6	ug/L	10		8260C	Total/NA
Trichloroethene	120		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: MW-23D — Lab Sample ID: 480-178383-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.4		1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-178383-7

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Job ID: 480-178383-1
Project/Site: 275 Franklin Street #C915208A

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

Protocol References:

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

Laboratory References:

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

Client Sample ID: MW-26S
Lab Sample ID: 480-178383-1

Date Collected: 11/17/20 08:50
Matrix: Water

Date Received: 11/18/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			11/25/20 14:35	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			11/25/20 14:35	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			11/25/20 14:35	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			11/25/20 14:35	20
1,1-Dichloroethane	ND		20	7.6	ug/L			11/25/20 14:35	20
1,1-Dichloroethene	ND		20	5.8	ug/L			11/25/20 14:35	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			11/25/20 14:35	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			11/25/20 14:35	20
1,2-Dibromoethane	ND		20	15	ug/L			11/25/20 14:35	20
1,2-Dichlorobenzene	ND		20	16	ug/L			11/25/20 14:35	20
1,2-Dichloroethane	ND		20	4.2	ug/L			11/25/20 14:35	20
1,2-Dichloropropane	ND		20	14	ug/L			11/25/20 14:35	20
1,3-Dichlorobenzene	ND		20	16	ug/L			11/25/20 14:35	20
1,4-Dichlorobenzene	ND		20	17	ug/L			11/25/20 14:35	20
2-Hexanone	ND		100	25	ug/L			11/25/20 14:35	20
2-Butanone (MEK)	ND		200	26	ug/L			11/25/20 14:35	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			11/25/20 14:35	20
Acetone	ND		200	60	ug/L			11/25/20 14:35	20
Benzene	ND		20	8.2	ug/L			11/25/20 14:35	20
Bromodichloromethane	ND		20	7.8	ug/L			11/25/20 14:35	20
Bromoform	ND		20	5.2	ug/L			11/25/20 14:35	20
Bromomethane	ND		20	14	ug/L			11/25/20 14:35	20
Carbon disulfide	ND		20	3.8	ug/L			11/25/20 14:35	20
Carbon tetrachloride	ND		20	5.4	ug/L			11/25/20 14:35	20
Chlorobenzene	ND		20	15	ug/L			11/25/20 14:35	20
Dibromochloromethane	ND		20	6.4	ug/L			11/25/20 14:35	20
Chloroethane	ND		20	6.4	ug/L			11/25/20 14:35	20
Chloroform	ND		20	6.8	ug/L			11/25/20 14:35	20
Chloromethane	ND		20	7.0	ug/L			11/25/20 14:35	20
cis-1,2-Dichloroethene	**28**		20	16	ug/L			11/25/20 14:35	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			11/25/20 14:35	20
Cyclohexane	ND		20	3.6	ug/L			11/25/20 14:35	20
Dichlorodifluoromethane	ND		20	14	ug/L			11/25/20 14:35	20
Ethylbenzene	ND		20	15	ug/L			11/25/20 14:35	20
Isopropylbenzene	ND		20	16	ug/L			11/25/20 14:35	20
Methyl acetate	ND		50	26	ug/L			11/25/20 14:35	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			11/25/20 14:35	20
Methylcyclohexane	ND		20	3.2	ug/L			11/25/20 14:35	20
Methylene Chloride	ND		20	8.8	ug/L			11/25/20 14:35	20
Styrene	ND		20	15	ug/L			11/25/20 14:35	20
Tetrachloroethene	**770**	**F1**	20	7.2	ug/L			11/25/20 14:35	20
Toluene	ND		20	10	ug/L			11/25/20 14:35	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			11/25/20 14:35	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			11/25/20 14:35	20
Trichloroethene	**20**		20	9.2	ug/L			11/25/20 14:35	20
Trichlorofluoromethane	ND		20	18	ug/L			11/25/20 14:35	20
Vinyl chloride	ND		20	18	ug/L			11/25/20 14:35	20
Xylenes, Total	ND		40	13	ug/L			11/25/20 14:35	20

Client Sample ID: MW-26S
Lab Sample ID: 480-178383-1

Date Collected: 11/17/20 08:50
Matrix: Water
Date Received: 11/18/20 11:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/25/20 14:35*	*20*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/25/20 14:35*	*20*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/25/20 14:35*	*20*

Client Sample ID: DUP-111720
Lab Sample ID: 480-178383-2

Date Collected: 11/17/20 00:00
Matrix: Water
Date Received: 11/18/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			11/25/20 15:15	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			11/25/20 15:15	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			11/25/20 15:15	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			11/25/20 15:15	10
1,1-Dichloroethane	ND		10	3.8	ug/L			11/25/20 15:15	10
1,1-Dichloroethene	ND		10	2.9	ug/L			11/25/20 15:15	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			11/25/20 15:15	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			11/25/20 15:15	10
1,2-Dibromoethane	ND		10	7.3	ug/L			11/25/20 15:15	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			11/25/20 15:15	10
1,2-Dichloroethane	ND		10	2.1	ug/L			11/25/20 15:15	10
1,2-Dichloropropane	ND		10	7.2	ug/L			11/25/20 15:15	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			11/25/20 15:15	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			11/25/20 15:15	10
2-Hexanone	ND		50	12	ug/L			11/25/20 15:15	10
2-Butanone (MEK)	ND		100	13	ug/L			11/25/20 15:15	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			11/25/20 15:15	10
Acetone	ND		100	30	ug/L			11/25/20 15:15	10
Benzene	ND		10	4.1	ug/L			11/25/20 15:15	10
Bromodichloromethane	ND		10	3.9	ug/L			11/25/20 15:15	10
Bromoform	ND		10	2.6	ug/L			11/25/20 15:15	10
Bromomethane	ND		10	6.9	ug/L			11/25/20 15:15	10
Carbon disulfide	ND		10	1.9	ug/L			11/25/20 15:15	10
Carbon tetrachloride	ND		10	2.7	ug/L			11/25/20 15:15	10
Chlorobenzene	ND		10	7.5	ug/L			11/25/20 15:15	10
Dibromochloromethane	ND		10	3.2	ug/L			11/25/20 15:15	10
Chloroethane	ND		10	3.2	ug/L			11/25/20 15:15	10
Chloroform	**3.4**	**J**	10	3.4	ug/L			11/25/20 15:15	10
Chloromethane	ND		10	3.5	ug/L			11/25/20 15:15	10
cis-1,2-Dichloroethene	**18**		10	8.1	ug/L			11/25/20 15:15	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			11/25/20 15:15	10
Cyclohexane	ND		10	1.8	ug/L			11/25/20 15:15	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			11/25/20 15:15	10
Ethylbenzene	ND		10	7.4	ug/L			11/25/20 15:15	10
Isopropylbenzene	ND		10	7.9	ug/L			11/25/20 15:15	10
Methyl acetate	ND		25	13	ug/L			11/25/20 15:15	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			11/25/20 15:15	10
Methylcyclohexane	ND		10	1.6	ug/L			11/25/20 15:15	10
Methylene Chloride	ND		10	4.4	ug/L			11/25/20 15:15	10
Styrene	ND		10	7.3	ug/L			11/25/20 15:15	10

Client Sample ID: DUP-111720
Lab Sample ID: 480-178383-2

Date Collected: 11/17/20 00:00
Matrix: Water
Date Received: 11/18/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**720**		10	3.6	ug/L			11/25/20 15:15	10
Toluene	ND		10	5.1	ug/L			11/25/20 15:15	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			11/25/20 15:15	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			11/25/20 15:15	10
Trichloroethene	**19**		10	4.6	ug/L			11/25/20 15:15	10
Trichlorofluoromethane	ND		10	8.8	ug/L			11/25/20 15:15	10
Vinyl chloride	ND		10	9.0	ug/L			11/25/20 15:15	10
Xylenes, Total	ND		20	6.6	ug/L			11/25/20 15:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*11/25/20 15:15*	*10*
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/25/20 15:15*	*10*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/25/20 15:15*	*10*

Client Sample ID: MW-25S
Lab Sample ID: 480-178383-3

Date Collected: 11/17/20 10:20
Matrix: Water
Date Received: 11/18/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			11/25/20 14:59	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			11/25/20 14:59	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			11/25/20 14:59	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			11/25/20 14:59	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			11/25/20 14:59	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			11/25/20 14:59	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			11/25/20 14:59	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			11/25/20 14:59	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			11/25/20 14:59	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			11/25/20 14:59	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			11/25/20 14:59	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			11/25/20 14:59	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			11/25/20 14:59	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			11/25/20 14:59	8
2-Hexanone	ND		40	9.9	ug/L			11/25/20 14:59	8
2-Butanone (MEK)	ND		80	11	ug/L			11/25/20 14:59	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			11/25/20 14:59	8
Acetone	ND		80	24	ug/L			11/25/20 14:59	8
Benzene	ND		8.0	3.3	ug/L			11/25/20 14:59	8
Bromodichloromethane	ND		8.0	3.1	ug/L			11/25/20 14:59	8
Bromoform	ND		8.0	2.1	ug/L			11/25/20 14:59	8
Bromomethane	ND		8.0	5.5	ug/L			11/25/20 14:59	8
Carbon disulfide	ND		8.0	1.5	ug/L			11/25/20 14:59	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			11/25/20 14:59	8
Chlorobenzene	ND		8.0	6.0	ug/L			11/25/20 14:59	8
Dibromochloromethane	ND		8.0	2.6	ug/L			11/25/20 14:59	8
Chloroethane	ND		8.0	2.6	ug/L			11/25/20 14:59	8
Chloroform	ND		8.0	2.7	ug/L			11/25/20 14:59	8
Chloromethane	ND		8.0	2.8	ug/L			11/25/20 14:59	8
cis-1,2-Dichloroethene	**110**		8.0	6.5	ug/L			11/25/20 14:59	8

Client Sample ID: MW-25S
Lab Sample ID: 480-178383-3
Date Collected: 11/17/20 10:20
Matrix: Water
Date Received: 11/18/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			11/25/20 14:59	8
Cyclohexane	ND		8.0	1.4	ug/L			11/25/20 14:59	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			11/25/20 14:59	8
Ethylbenzene	ND		8.0	5.9	ug/L			11/25/20 14:59	8
Isopropylbenzene	ND		8.0	6.3	ug/L			11/25/20 14:59	8
Methyl acetate	ND		20	10	ug/L			11/25/20 14:59	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			11/25/20 14:59	8
Methylcyclohexane	ND		8.0	1.3	ug/L			11/25/20 14:59	8
Methylene Chloride	ND		8.0	3.5	ug/L			11/25/20 14:59	8
Styrene	ND		8.0	5.8	ug/L			11/25/20 14:59	8
Tetrachloroethene	**370**		8.0	2.9	ug/L			11/25/20 14:59	8
Toluene	ND		8.0	4.1	ug/L			11/25/20 14:59	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			11/25/20 14:59	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			11/25/20 14:59	8
Trichloroethene	**32**		8.0	3.7	ug/L			11/25/20 14:59	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			11/25/20 14:59	8
Vinyl chloride	ND		8.0	7.2	ug/L			11/25/20 14:59	8
Xylenes, Total	ND		16	5.3	ug/L			11/25/20 14:59	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/25/20 14:59*	*8*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/25/20 14:59*	*8*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/25/20 14:59*	*8*

Client Sample ID: MW-27S
Lab Sample ID: 480-178383-4
Date Collected: 11/17/20 11:35
Matrix: Water
Date Received: 11/18/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/25/20 14:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/25/20 14:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/25/20 14:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/25/20 14:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/25/20 14:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/25/20 14:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/25/20 14:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/25/20 14:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/25/20 14:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/25/20 14:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/25/20 14:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/25/20 14:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/25/20 14:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/25/20 14:03	1
2-Hexanone	ND		5.0	1.2	ug/L			11/25/20 14:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/25/20 14:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/25/20 14:03	1
Acetone	ND		10	3.0	ug/L			11/25/20 14:03	1
Benzene	ND		1.0	0.41	ug/L			11/25/20 14:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/25/20 14:03	1

Client Sample ID: MW-27S
Lab Sample ID: 480-178383-4

Date Collected: 11/17/20 11:35
Matrix: Water
Date Received: 11/18/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		1.0	0.26	ug/L			11/25/20 14:03	1
Bromomethane	ND		1.0	0.69	ug/L			11/25/20 14:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/25/20 14:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/25/20 14:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/25/20 14:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/25/20 14:03	1
Chloroethane	ND		1.0	0.32	ug/L			11/25/20 14:03	1
Chloroform	**0.62**	**J**	1.0	0.34	ug/L			11/25/20 14:03	1
Chloromethane	ND		1.0	0.35	ug/L			11/25/20 14:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/25/20 14:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/25/20 14:03	1
Cyclohexane	ND		1.0	0.18	ug/L			11/25/20 14:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/25/20 14:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/25/20 14:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/25/20 14:03	1
Methyl acetate	ND		2.5	1.3	ug/L			11/25/20 14:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/25/20 14:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/25/20 14:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/25/20 14:03	1
Styrene	ND		1.0	0.73	ug/L			11/25/20 14:03	1
Tetrachloroethene	**25**		1.0	0.36	ug/L			11/25/20 14:03	1
Toluene	ND		1.0	0.51	ug/L			11/25/20 14:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/25/20 14:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/25/20 14:03	1
Trichloroethene	**0.62**	**J**	1.0	0.46	ug/L			11/25/20 14:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/25/20 14:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/25/20 14:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/25/20 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*11/25/20 14:03*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/25/20 14:03*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/25/20 14:03*	*1*

Client Sample ID: MW-24D
Lab Sample ID: 480-178383-5

Date Collected: 11/17/20 12:45
Matrix: Water
Date Received: 11/18/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			11/25/20 14:26	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			11/25/20 14:26	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			11/25/20 14:26	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			11/25/20 14:26	10
1,1-Dichloroethane	ND		10	3.8	ug/L			11/25/20 14:26	10
1,1-Dichloroethene	ND		10	2.9	ug/L			11/25/20 14:26	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			11/25/20 14:26	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			11/25/20 14:26	10
1,2-Dibromoethane	ND		10	7.3	ug/L			11/25/20 14:26	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			11/25/20 14:26	10

Client Sample ID: MW-24D
Lab Sample ID: 480-178383-5

Date Collected: 11/17/20 12:45
Matrix: Water
Date Received: 11/18/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		10	2.1	ug/L			11/25/20 14:26	10
1,2-Dichloropropane	ND		10	7.2	ug/L			11/25/20 14:26	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			11/25/20 14:26	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			11/25/20 14:26	10
2-Hexanone	ND		50	12	ug/L			11/25/20 14:26	10
2-Butanone (MEK)	ND		100	13	ug/L			11/25/20 14:26	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			11/25/20 14:26	10
Acetone	ND		100	30	ug/L			11/25/20 14:26	10
Benzene	ND		10	4.1	ug/L			11/25/20 14:26	10
Bromodichloromethane	ND		10	3.9	ug/L			11/25/20 14:26	10
Bromoform	ND		10	2.6	ug/L			11/25/20 14:26	10
Bromomethane	ND		10	6.9	ug/L			11/25/20 14:26	10
Carbon disulfide	ND		10	1.9	ug/L			11/25/20 14:26	10
Carbon tetrachloride	ND		10	2.7	ug/L			11/25/20 14:26	10
Chlorobenzene	ND		10	7.5	ug/L			11/25/20 14:26	10
Dibromochloromethane	ND		10	3.2	ug/L			11/25/20 14:26	10
Chloroethane	ND		10	3.2	ug/L			11/25/20 14:26	10
Chloroform	ND		10	3.4	ug/L			11/25/20 14:26	10
Chloromethane	ND		10	3.5	ug/L			11/25/20 14:26	10
cis-1,2-Dichloroethene	**180**		10	8.1	ug/L			11/25/20 14:26	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			11/25/20 14:26	10
Cyclohexane	ND		10	1.8	ug/L			11/25/20 14:26	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			11/25/20 14:26	10
Ethylbenzene	ND		10	7.4	ug/L			11/25/20 14:26	10
Isopropylbenzene	ND		10	7.9	ug/L			11/25/20 14:26	10
Methyl acetate	ND		25	13	ug/L			11/25/20 14:26	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			11/25/20 14:26	10
Methylcyclohexane	ND		10	1.6	ug/L			11/25/20 14:26	10
Methylene Chloride	ND		10	4.4	ug/L			11/25/20 14:26	10
Styrene	ND		10	7.3	ug/L			11/25/20 14:26	10
Tetrachloroethene	**320**		10	3.6	ug/L			11/25/20 14:26	10
Toluene	ND		10	5.1	ug/L			11/25/20 14:26	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			11/25/20 14:26	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			11/25/20 14:26	10
Trichloroethene	**120**		10	4.6	ug/L			11/25/20 14:26	10
Trichlorofluoromethane	ND		10	8.8	ug/L			11/25/20 14:26	10
Vinyl chloride	ND		10	9.0	ug/L			11/25/20 14:26	10
Xylenes, Total	ND		20	6.6	ug/L			11/25/20 14:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*11/25/20 14:26*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/25/20 14:26*	*10*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*11/25/20 14:26*	*10*

Client Sample ID: MW-23D
Date Collected: 11/17/20 14:00
Date Received: 11/18/20 11:45

Lab Sample ID: 480-178383-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/25/20 14:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/25/20 14:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/25/20 14:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/25/20 14:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/25/20 14:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/25/20 14:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/25/20 14:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/25/20 14:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/25/20 14:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/25/20 14:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/25/20 14:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/25/20 14:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/25/20 14:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/25/20 14:49	1
2-Hexanone	ND		5.0	1.2	ug/L			11/25/20 14:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/25/20 14:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/25/20 14:49	1
Acetone	ND		10	3.0	ug/L			11/25/20 14:49	1
Benzene	ND		1.0	0.41	ug/L			11/25/20 14:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/25/20 14:49	1
Bromoform	ND		1.0	0.26	ug/L			11/25/20 14:49	1
Bromomethane	ND		1.0	0.69	ug/L			11/25/20 14:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/25/20 14:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/25/20 14:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/25/20 14:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/25/20 14:49	1
Chloroethane	ND		1.0	0.32	ug/L			11/25/20 14:49	1
Chloroform	ND		1.0	0.34	ug/L			11/25/20 14:49	1
Chloromethane	ND		1.0	0.35	ug/L			11/25/20 14:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/25/20 14:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/25/20 14:49	1
Cyclohexane	ND		1.0	0.18	ug/L			11/25/20 14:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/25/20 14:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/25/20 14:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/25/20 14:49	1
Methyl acetate	ND		2.5	1.3	ug/L			11/25/20 14:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/25/20 14:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/25/20 14:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/25/20 14:49	1
Styrene	ND		1.0	0.73	ug/L			11/25/20 14:49	1
Tetrachloroethene	**1.4**		1.0	0.36	ug/L			11/25/20 14:49	1
Toluene	ND		1.0	0.51	ug/L			11/25/20 14:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/25/20 14:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/25/20 14:49	1
Trichloroethene	ND		1.0	0.46	ug/L			11/25/20 14:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/25/20 14:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/25/20 14:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/25/20 14:49	1

Client Sample ID: MW-23D
Lab Sample ID: 480-178383-6

Date Collected: 11/17/20 14:00
Matrix: Water
Date Received: 11/18/20 11:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*11/25/20 14:49*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/25/20 14:49*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*11/25/20 14:49*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-178383-7

Date Collected: 11/17/20 00:00
Matrix: Water
Date Received: 11/18/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/20 11:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/20 11:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/20 11:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/20 11:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/20 11:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/20 11:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/20 11:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/20 11:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/20 11:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/20 11:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/20 11:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/20 11:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/20 11:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/20 11:43	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/20 11:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/20 11:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/20 11:43	1
Acetone	ND		10	3.0	ug/L			11/24/20 11:43	1
Benzene	ND		1.0	0.41	ug/L			11/24/20 11:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/20 11:43	1
Bromoform	ND		1.0	0.26	ug/L			11/24/20 11:43	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/20 11:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/20 11:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/20 11:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/20 11:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/20 11:43	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/20 11:43	1
Chloroform	ND		1.0	0.34	ug/L			11/24/20 11:43	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/20 11:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/20 11:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/20 11:43	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/20 11:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/20 11:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/20 11:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/20 11:43	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/20 11:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/20 11:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/20 11:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/20 11:43	1
Styrene	ND		1.0	0.73	ug/L			11/24/20 11:43	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-178383-7

Date Collected: 11/17/20 00:00
Matrix: Water

Date Received: 11/18/20 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/20 11:43	1
Toluene	ND		1.0	0.51	ug/L			11/24/20 11:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/20 11:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/20 11:43	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/20 11:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/20 11:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/20 11:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/20 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*11/24/20 11:43*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/24/20 11:43*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/24/20 11:43*	*1*

Surrogate Summary

Client: New York State D.E.C.
Job ID: 480-178383-1
Project/Site: 275 Franklin Street #C915208A

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	TOL	BFB
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)
480-178383-1	MW-26S	103	104	105
480-178383-1 MS	MW-26S	105	105	106
480-178383-1 MSD	MW-26S	104	105	104
480-178383-2	DUP-111720	114	106	107
480-178383-3	MW-25S	102	105	104
480-178383-4	MW-27S	109	98	96
480-178383-5	MW-24D	110	98	93
480-178383-6	MW-23D	116	98	93
480-178383-7	TRIP BLANK	110	97	95
LCS 480-560615/5	Lab Control Sample	100	100	100
LCS 480-560826/5	Lab Control Sample	102	101	100
LCS 480-560828/4	Lab Control Sample	102	105	105
LCS 480-560877/5	Lab Control Sample	106	104	105
MB 480-560615/7	Method Blank	107	98	96
MB 480-560826/7	Method Blank	107	102	97
MB 480-560828/7	Method Blank	103	104	103
MB 480-560877/7	Method Blank	108	103	106

Surrogate Legend

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

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

Lab Sample ID: MB 480-560615/7
Matrix: Water
Analysis Batch: 560615

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/20 09:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/20 09:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/20 09:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/20 09:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/20 09:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/20 09:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/20 09:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/20 09:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/20 09:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/20 09:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/20 09:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/20 09:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/20 09:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/20 09:00	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/20 09:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/20 09:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/20 09:00	1
Acetone	ND		10	3.0	ug/L			11/24/20 09:00	1
Benzene	ND		1.0	0.41	ug/L			11/24/20 09:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/20 09:00	1
Bromoform	ND		1.0	0.26	ug/L			11/24/20 09:00	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/20 09:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/20 09:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/20 09:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/20 09:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/20 09:00	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/20 09:00	1
Chloroform	ND		1.0	0.34	ug/L			11/24/20 09:00	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/20 09:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/20 09:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/20 09:00	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/20 09:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/20 09:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/20 09:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/20 09:00	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/20 09:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/20 09:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/20 09:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/20 09:00	1
Styrene	ND		1.0	0.73	ug/L			11/24/20 09:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/20 09:00	1
Toluene	ND		1.0	0.51	ug/L			11/24/20 09:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/20 09:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/20 09:00	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/20 09:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/20 09:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/20 09:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/20 09:00	1

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

Lab Sample ID: MB 480-560615/7
Matrix: Water
Analysis Batch: 560615

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		11/24/20 09:00	1
Toluene-d8 (Surr)	98		80 - 120		11/24/20 09:00	1
4-Bromofluorobenzene (Surr)	96		73 - 120		11/24/20 09:00	1

Lab Sample ID: LCS 480-560615/5
Matrix: Water
Analysis Batch: 560615

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.9		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	76 - 120
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.9		ug/L		96	61 - 148
1,1-Dichloroethane	25.0	24.0		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	23.9		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	23.7		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.7		ug/L		91	56 - 134
1,2-Dibromoethane	25.0	23.7		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	25.7		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	25.4		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.6		ug/L		98	80 - 120
2-Hexanone	125	134		ug/L		107	65 - 127
2-Butanone (MEK)	125	148		ug/L		119	57 - 140
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		105	71 - 125
Acetone	125	137		ug/L		110	56 - 142
Benzene	25.0	25.2		ug/L		101	71 - 124
Bromodichloromethane	25.0	25.7		ug/L		103	80 - 122
Bromoform	25.0	24.0		ug/L		96	61 - 132
Bromomethane	25.0	24.8		ug/L		99	55 - 144
Carbon disulfide	25.0	25.3		ug/L		101	59 - 134
Carbon tetrachloride	25.0	24.9		ug/L		99	72 - 134
Chlorobenzene	25.0	25.1		ug/L		100	80 - 120
Dibromochloromethane	25.0	25.5		ug/L		102	75 - 125
Chloroethane	25.0	24.2		ug/L		97	69 - 136
Chloroform	25.0	24.2		ug/L		97	73 - 127
Chloromethane	25.0	27.0		ug/L		108	68 - 124
cis-1,2-Dichloroethene	25.0	23.1		ug/L		92	74 - 124
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Cyclohexane	25.0	23.8		ug/L		95	59 - 135
Dichlorodifluoromethane	25.0	32.4		ug/L		130	59 - 135
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Isopropylbenzene	25.0	25.3		ug/L		101	77 - 122
Methyl acetate	50.0	54.0		ug/L		108	74 - 133
Methyl tert-butyl ether	25.0	25.1		ug/L		100	77 - 120
Methylcyclohexane	25.0	24.1		ug/L		97	68 - 134
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124

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

Lab Sample ID: LCS 480-560615/5
Matrix: Water
Analysis Batch: 560615

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	25.3		ug/L		101	80 - 120
Tetrachloroethene	25.0	25.3		ug/L		101	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	23.0		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	24.7		ug/L		99	80 - 120
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	28.7		ug/L		115	62 - 150
Vinyl chloride	25.0	26.2		ug/L		105	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*

Lab Sample ID: MB 480-560826/7
Matrix: Water
Analysis Batch: 560826

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/25/20 09:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/25/20 09:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/25/20 09:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/25/20 09:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/25/20 09:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/25/20 09:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/25/20 09:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/25/20 09:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/25/20 09:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/25/20 09:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/25/20 09:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/25/20 09:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/25/20 09:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/25/20 09:35	1
2-Hexanone	ND		5.0	1.2	ug/L			11/25/20 09:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/25/20 09:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/25/20 09:35	1
Acetone	ND		10	3.0	ug/L			11/25/20 09:35	1
Benzene	ND		1.0	0.41	ug/L			11/25/20 09:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/25/20 09:35	1
Bromoform	ND		1.0	0.26	ug/L			11/25/20 09:35	1
Bromomethane	ND		1.0	0.69	ug/L			11/25/20 09:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/25/20 09:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/25/20 09:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/25/20 09:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/25/20 09:35	1
Chloroethane	ND		1.0	0.32	ug/L			11/25/20 09:35	1
Chloroform	ND		1.0	0.34	ug/L			11/25/20 09:35	1
Chloromethane	ND		1.0	0.35	ug/L			11/25/20 09:35	1

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

Lab Sample ID: MB 480-560826/7
Matrix: Water
Analysis Batch: 560826

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/25/20 09:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/25/20 09:35	1
Cyclohexane	ND		1.0	0.18	ug/L			11/25/20 09:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/25/20 09:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/25/20 09:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/25/20 09:35	1
Methyl acetate	ND		2.5	1.3	ug/L			11/25/20 09:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/25/20 09:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/25/20 09:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/25/20 09:35	1
Styrene	ND		1.0	0.73	ug/L			11/25/20 09:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/25/20 09:35	1
Toluene	ND		1.0	0.51	ug/L			11/25/20 09:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/25/20 09:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/25/20 09:35	1
Trichloroethene	ND		1.0	0.46	ug/L			11/25/20 09:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/25/20 09:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/25/20 09:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/25/20 09:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*11/25/20 09:35*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/25/20 09:35*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/25/20 09:35*	*1*

Lab Sample ID: LCS 480-560826/5
Matrix: Water
Analysis Batch: 560826

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.0		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.1		ug/L		113	61 - 148
1,1-Dichloroethane	25.0	25.1		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	27.8		ug/L		111	66 - 127
1,2,4-Trichlorobenzene	25.0	24.7		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.0		ug/L		104	56 - 134
1,2-Dibromoethane	25.0	24.9		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	26.5		ug/L		106	80 - 124
1,2-Dichloroethane	25.0	25.6		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	25.3		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	25.8		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	25.9		ug/L		104	80 - 120
2-Hexanone	125	139		ug/L		111	65 - 127
2-Butanone (MEK)	125	147		ug/L		118	57 - 140
4-Methyl-2-pentanone (MIBK)	125	139		ug/L		111	71 - 125
Acetone	125	152		ug/L		121	56 - 142

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

Lab Sample ID: LCS 480-560826/5
Matrix: Water
Analysis Batch: 560826

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	25.4		ug/L		102	71 - 124
Bromodichloromethane	25.0	24.9		ug/L		100	80 - 122
Bromoform	25.0	24.1		ug/L		96	61 - 132
Bromomethane	25.0	21.7		ug/L		87	55 - 144
Carbon disulfide	25.0	28.4		ug/L		114	59 - 134
Carbon tetrachloride	25.0	27.4		ug/L		110	72 - 134
Chlorobenzene	25.0	26.5		ug/L		106	80 - 120
Dibromochloromethane	25.0	26.6		ug/L		106	75 - 125
Chloroethane	25.0	22.4		ug/L		90	69 - 136
Chloroform	25.0	24.3		ug/L		97	73 - 127
Chloromethane	25.0	25.7		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	74 - 124
Cyclohexane	25.0	26.2		ug/L		105	59 - 135
Dichlorodifluoromethane	25.0	28.3		ug/L		113	59 - 135
Ethylbenzene	25.0	26.5		ug/L		106	77 - 123
Isopropylbenzene	25.0	27.4		ug/L		110	77 - 122
Methyl acetate	50.0	55.8		ug/L		112	74 - 133
Methyl tert-butyl ether	25.0	25.1		ug/L		100	77 - 120
Methylcyclohexane	25.0	27.7		ug/L		111	68 - 134
Methylene Chloride	25.0	24.8		ug/L		99	75 - 124
Styrene	25.0	27.0		ug/L		108	80 - 120
Tetrachloroethene	25.0	27.7		ug/L		111	74 - 122
Toluene	25.0	26.7		ug/L		107	80 - 122
trans-1,2-Dichloroethene	25.0	25.2		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	26.2		ug/L		105	80 - 120
Trichloroethene	25.0	24.7		ug/L		99	74 - 123
Trichlorofluoromethane	25.0	28.2		ug/L		113	62 - 150
Vinyl chloride	25.0	25.0		ug/L		100	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*

Lab Sample ID: MB 480-560828/7
Matrix: Water
Analysis Batch: 560828

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/25/20 10:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/25/20 10:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/25/20 10:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/25/20 10:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/25/20 10:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/25/20 10:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/25/20 10:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/25/20 10:47	1

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

Lab Sample ID: MB 480-560828/7
Matrix: Water
Analysis Batch: 560828

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/25/20 10:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/25/20 10:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/25/20 10:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/25/20 10:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/25/20 10:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/25/20 10:47	1
2-Hexanone	ND		5.0	1.2	ug/L			11/25/20 10:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/25/20 10:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/25/20 10:47	1
Acetone	ND		10	3.0	ug/L			11/25/20 10:47	1
Benzene	ND		1.0	0.41	ug/L			11/25/20 10:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/25/20 10:47	1
Bromoform	ND		1.0	0.26	ug/L			11/25/20 10:47	1
Bromomethane	ND		1.0	0.69	ug/L			11/25/20 10:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/25/20 10:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/25/20 10:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/25/20 10:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/25/20 10:47	1
Chloroethane	ND		1.0	0.32	ug/L			11/25/20 10:47	1
Chloroform	ND		1.0	0.34	ug/L			11/25/20 10:47	1
Chloromethane	ND		1.0	0.35	ug/L			11/25/20 10:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/25/20 10:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/25/20 10:47	1
Cyclohexane	ND		1.0	0.18	ug/L			11/25/20 10:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/25/20 10:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/25/20 10:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/25/20 10:47	1
Methyl acetate	ND		2.5	1.3	ug/L			11/25/20 10:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/25/20 10:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/25/20 10:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/25/20 10:47	1
Styrene	ND		1.0	0.73	ug/L			11/25/20 10:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/25/20 10:47	1
Toluene	ND		1.0	0.51	ug/L			11/25/20 10:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/25/20 10:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/25/20 10:47	1
Trichloroethene	ND		1.0	0.46	ug/L			11/25/20 10:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/25/20 10:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/25/20 10:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/25/20 10:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/25/20 10:47*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/25/20 10:47*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/25/20 10:47*	*1*

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

Lab Sample ID: LCS 480-560828/4
Matrix: Water
Analysis Batch: 560828

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.4		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	25.6		ug/L		103	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.6		ug/L		118	61 - 148
1,1-Dichloroethane	25.0	26.1		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	27.9		ug/L		111	66 - 127
1,2,4-Trichlorobenzene	25.0	26.4		ug/L		106	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.5		ug/L		106	56 - 134
1,2-Dibromoethane	25.0	26.2		ug/L		105	77 - 120
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	24.1		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	25.4		ug/L		102	76 - 120
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	25.2		ug/L		101	80 - 120
2-Hexanone	125	126		ug/L		101	65 - 127
2-Butanone (MEK)	125	122		ug/L		97	57 - 140
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	71 - 125
Acetone	125	129		ug/L		103	56 - 142
Benzene	25.0	25.0		ug/L		100	71 - 124
Bromodichloromethane	25.0	26.1		ug/L		104	80 - 122
Bromoform	25.0	28.2		ug/L		113	61 - 132
Bromomethane	25.0	21.3		ug/L		85	55 - 144
Carbon disulfide	25.0	27.1		ug/L		108	59 - 134
Carbon tetrachloride	25.0	29.2		ug/L		117	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120
Dibromochloromethane	25.0	27.0		ug/L		108	75 - 125
Chloroethane	25.0	24.8		ug/L		99	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	24.1		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	26.4		ug/L		106	74 - 124
Cyclohexane	25.0	28.2		ug/L		113	59 - 135
Dichlorodifluoromethane	25.0	23.7		ug/L		95	59 - 135
Ethylbenzene	25.0	26.1		ug/L		104	77 - 123
Isopropylbenzene	25.0	27.3		ug/L		109	77 - 122
Methyl acetate	50.0	48.2		ug/L		96	74 - 133
Methyl tert-butyl ether	25.0	25.6		ug/L		102	77 - 120
Methylcyclohexane	25.0	28.9		ug/L		116	68 - 134
Methylene Chloride	25.0	26.0		ug/L		104	75 - 124
Styrene	25.0	25.7		ug/L		103	80 - 120
Tetrachloroethene	25.0	26.4		ug/L		106	74 - 122
Toluene	25.0	26.5		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	28.2		ug/L		113	80 - 120
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	27.2		ug/L		109	62 - 150
Vinyl chloride	25.0	24.1		ug/L		97	65 - 133

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

Lab Sample ID: LCS 480-560828/4
Matrix: Water
Analysis Batch: 560828

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*

Lab Sample ID: 480-178383-1 MS
Matrix: Water
Analysis Batch: 560828

Client Sample ID: MW-26S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		500	518		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	ND		500	470		ug/L		94	76 - 120
1,1,2-Trichloroethane	ND		500	466		ug/L		93	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	540		ug/L		108	61 - 148
1,1-Dichloroethane	ND		500	491		ug/L		98	77 - 120
1,1-Dichloroethene	ND		500	518		ug/L		104	66 - 127
1,2,4-Trichlorobenzene	ND		500	467		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	ND		500	485		ug/L		97	56 - 134
1,2-Dibromoethane	ND		500	473		ug/L		95	77 - 120
1,2-Dichlorobenzene	ND		500	467		ug/L		93	80 - 124
1,2-Dichloroethane	ND		500	459		ug/L		92	75 - 120
1,2-Dichloropropane	ND		500	464		ug/L		93	76 - 120
1,3-Dichlorobenzene	ND		500	454		ug/L		91	77 - 120
1,4-Dichlorobenzene	ND		500	452		ug/L		90	78 - 124
2-Hexanone	ND		2500	2400		ug/L		96	65 - 127
2-Butanone (MEK)	ND		2500	2440		ug/L		98	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		2500	2420		ug/L		97	71 - 125
Acetone	ND		2500	2460		ug/L		98	56 - 142
Benzene	ND		500	462		ug/L		92	71 - 124
Bromodichloromethane	ND		500	467		ug/L		93	80 - 122
Bromoform	ND		500	486		ug/L		97	61 - 132
Bromomethane	ND		500	448		ug/L		90	55 - 144
Carbon disulfide	ND		500	529		ug/L		106	59 - 134
Carbon tetrachloride	ND		500	547		ug/L		109	72 - 134
Chlorobenzene	ND		500	463		ug/L		93	80 - 120
Dibromochloromethane	ND		500	483		ug/L		97	75 - 125
Chloroethane	ND		500	496		ug/L		99	69 - 136
Chloroform	ND		500	447		ug/L		89	73 - 127
Chloromethane	ND		500	488		ug/L		98	68 - 124
cis-1,2-Dichloroethene	28		500	480		ug/L		90	74 - 124
cis-1,3-Dichloropropene	ND		500	468		ug/L		94	74 - 124
Cyclohexane	ND		500	528		ug/L		106	59 - 135
Dichlorodifluoromethane	ND		500	504		ug/L		101	59 - 135
Ethylbenzene	ND		500	475		ug/L		95	77 - 123
Isopropylbenzene	ND		500	486		ug/L		97	77 - 122
Methyl acetate	ND		1000	957		ug/L		96	74 - 133
Methyl tert-butyl ether	ND		500	465		ug/L		93	77 - 120
Methylcyclohexane	ND		500	528		ug/L		106	68 - 134
Methylene Chloride	ND		500	501		ug/L		100	75 - 124

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

Lab Sample ID: 480-178383-1 MS
Matrix: Water
Analysis Batch: 560828

Client Sample ID: MW-26S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Styrene	ND		500	467		ug/L		93	80 - 120		
Tetrachloroethene	770	F1	500	1150		ug/L		76	74 - 122		
Toluene	ND		500	482		ug/L		96	80 - 122		
trans-1,2-Dichloroethene	ND		500	477		ug/L		95	73 - 127		
trans-1,3-Dichloropropene	ND		500	498		ug/L		100	80 - 120		
Trichloroethene	20		500	496		ug/L		95	74 - 123		
Trichlorofluoromethane	ND		500	571		ug/L		114	62 - 150		
Vinyl chloride	ND		500	501		ug/L		100	65 - 133		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*

Lab Sample ID: 480-178383-1 MSD
Matrix: Water
Analysis Batch: 560828

Client Sample ID: MW-26S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		500	493		ug/L		99	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		500	445		ug/L		89	76 - 120	5	15
1,1,2-Trichloroethane	ND		500	441		ug/L		88	76 - 122	6	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	531		ug/L		106	61 - 148	2	20
1,1-Dichloroethane	ND		500	469		ug/L		94	77 - 120	4	20
1,1-Dichloroethene	ND		500	506		ug/L		101	66 - 127	2	16
1,2,4-Trichlorobenzene	ND		500	455		ug/L		91	79 - 122	3	20
1,2-Dibromo-3-Chloropropane	ND		500	478		ug/L		96	56 - 134	1	15
1,2-Dibromoethane	ND		500	454		ug/L		91	77 - 120	4	15
1,2-Dichlorobenzene	ND		500	450		ug/L		90	80 - 124	4	20
1,2-Dichloroethane	ND		500	442		ug/L		88	75 - 120	4	20
1,2-Dichloropropane	ND		500	450		ug/L		90	76 - 120	3	20
1,3-Dichlorobenzene	ND		500	431		ug/L		86	77 - 120	5	20
1,4-Dichlorobenzene	ND		500	429		ug/L		86	78 - 124	5	20
2-Hexanone	ND		2500	2290		ug/L		92	65 - 127	5	15
2-Butanone (MEK)	ND		2500	2290		ug/L		91	57 - 140	7	20
4-Methyl-2-pentanone (MIBK)	ND		2500	2280		ug/L		91	71 - 125	6	35
Acetone	ND		2500	2340		ug/L		94	56 - 142	5	15
Benzene	ND		500	453		ug/L		91	71 - 124	2	13
Bromodichloromethane	ND		500	458		ug/L		92	80 - 122	2	15
Bromoform	ND		500	486		ug/L		97	61 - 132	0	15
Bromomethane	ND		500	435		ug/L		87	55 - 144	3	15
Carbon disulfide	ND		500	505		ug/L		101	59 - 134	5	15
Carbon tetrachloride	ND		500	509		ug/L		102	72 - 134	7	15
Chlorobenzene	ND		500	440		ug/L		88	80 - 120	5	25
Dibromochloromethane	ND		500	465		ug/L		93	75 - 125	4	15
Chloroethane	ND		500	488		ug/L		98	69 - 136	2	15
Chloroform	ND		500	417		ug/L		83	73 - 127	7	20
Chloromethane	ND		500	483		ug/L		97	68 - 124	1	15

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

Lab Sample ID: 480-178383-1 MSD
Matrix: Water
Analysis Batch: 560828

Client Sample ID: MW-26S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	28		500	463		ug/L		87	74 - 124	4	15
cis-1,3-Dichloropropene	ND		500	460		ug/L		92	74 - 124	2	15
Cyclohexane	ND		500	513		ug/L		103	59 - 135	3	20
Dichlorodifluoromethane	ND		500	490		ug/L		98	59 - 135	3	20
Ethylbenzene	ND		500	444		ug/L		89	77 - 123	7	15
Isopropylbenzene	ND		500	472		ug/L		94	77 - 122	3	20
Methyl acetate	ND		1000	908		ug/L		91	74 - 133	5	20
Methyl tert-butyl ether	ND		500	453		ug/L		91	77 - 120	3	37
Methylcyclohexane	ND		500	528		ug/L		106	68 - 134	0	20
Methylene Chloride	ND		500	459		ug/L		92	75 - 124	9	15
Styrene	ND		500	444		ug/L		89	80 - 120	5	20
Tetrachloroethene	770	F1	500	1110	F1	ug/L		69	74 - 122	3	20
Toluene	ND		500	458		ug/L		92	80 - 122	5	15
trans-1,2-Dichloroethene	ND		500	465		ug/L		93	73 - 127	2	20
trans-1,3-Dichloropropene	ND		500	468		ug/L		94	80 - 120	6	15
Trichloroethene	20		500	485		ug/L		93	74 - 123	2	16
Trichlorofluoromethane	ND		500	548		ug/L		110	62 - 150	4	20
Vinyl chloride	ND		500	486		ug/L		97	65 - 133	3	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*

Lab Sample ID: MB 480-560877/7
Matrix: Water
Analysis Batch: 560877

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/25/20 12:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/25/20 12:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/25/20 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/25/20 12:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/25/20 12:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/25/20 12:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/25/20 12:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/25/20 12:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/25/20 12:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/25/20 12:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/25/20 12:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/25/20 12:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/25/20 12:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/25/20 12:43	1
2-Hexanone	ND		5.0	1.2	ug/L			11/25/20 12:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/25/20 12:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/25/20 12:43	1
Acetone	ND		10	3.0	ug/L			11/25/20 12:43	1
Benzene	ND		1.0	0.41	ug/L			11/25/20 12:43	1

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

Lab Sample ID: MB 480-560877/7
Matrix: Water
Analysis Batch: 560877

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			11/25/20 12:43	1
Bromoform	ND		1.0	0.26	ug/L			11/25/20 12:43	1
Bromomethane	ND		1.0	0.69	ug/L			11/25/20 12:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/25/20 12:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/25/20 12:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/25/20 12:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/25/20 12:43	1
Chloroethane	ND		1.0	0.32	ug/L			11/25/20 12:43	1
Chloroform	ND		1.0	0.34	ug/L			11/25/20 12:43	1
Chloromethane	ND		1.0	0.35	ug/L			11/25/20 12:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/25/20 12:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/25/20 12:43	1
Cyclohexane	ND		1.0	0.18	ug/L			11/25/20 12:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/25/20 12:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/25/20 12:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/25/20 12:43	1
Methyl acetate	ND		2.5	1.3	ug/L			11/25/20 12:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/25/20 12:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/25/20 12:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/25/20 12:43	1
Styrene	ND		1.0	0.73	ug/L			11/25/20 12:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/25/20 12:43	1
Toluene	ND		1.0	0.51	ug/L			11/25/20 12:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/25/20 12:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/25/20 12:43	1
Trichloroethene	ND		1.0	0.46	ug/L			11/25/20 12:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/25/20 12:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/25/20 12:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/25/20 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*11/25/20 12:43*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/25/20 12:43*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/25/20 12:43*	*1*

Lab Sample ID: LCS 480-560877/5
Matrix: Water
Analysis Batch: 560877

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.0		ug/L		88	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.3		ug/L		105	76 - 120
1,1,2-Trichloroethane	25.0	27.4		ug/L		110	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.8		ug/L		115	61 - 148
1,1-Dichloroethane	25.0	25.5		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	28.2		ug/L		113	66 - 127
1,2,4-Trichlorobenzene	25.0	26.7		ug/L		107	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.8		ug/L		91	56 - 134

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

Lab Sample ID: LCS 480-560877/5
Matrix: Water
Analysis Batch: 560877

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	25.0	28.1		ug/L		113	77 - 120
1,2-Dichlorobenzene	25.0	27.0		ug/L		108	80 - 124
1,2-Dichloroethane	25.0	28.0		ug/L		112	75 - 120
1,2-Dichloropropane	25.0	29.4		ug/L		117	76 - 120
1,3-Dichlorobenzene	25.0	28.3		ug/L		113	77 - 120
1,4-Dichlorobenzene	25.0	27.9		ug/L		112	80 - 120
2-Hexanone	125	131		ug/L		105	65 - 127
2-Butanone (MEK)	125	139		ug/L		111	57 - 140
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	71 - 125
Acetone	125	111		ug/L		89	56 - 142
Benzene	25.0	27.8		ug/L		111	71 - 124
Bromodichloromethane	25.0	29.5		ug/L		118	80 - 122
Bromoform	25.0	28.9		ug/L		116	61 - 132
Bromomethane	25.0	26.3		ug/L		105	55 - 144
Carbon disulfide	25.0	21.1		ug/L		84	59 - 134
Carbon tetrachloride	25.0	26.0		ug/L		104	72 - 134
Chlorobenzene	25.0	27.8		ug/L		111	80 - 120
Dibromochloromethane	25.0	28.6		ug/L		114	75 - 125
Chloroethane	25.0	24.8		ug/L		99	69 - 136
Chloroform	25.0	25.6		ug/L		102	73 - 127
Chloromethane	25.0	27.9		ug/L		111	68 - 124
cis-1,2-Dichloroethene	25.0	26.9		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	28.9		ug/L		116	74 - 124
Cyclohexane	25.0	22.3		ug/L		89	59 - 135
Dichlorodifluoromethane	25.0	23.9		ug/L		95	59 - 135
Ethylbenzene	25.0	26.7		ug/L		107	77 - 123
Isopropylbenzene	25.0	25.9		ug/L		104	77 - 122
Methyl acetate	50.0	53.0		ug/L		106	74 - 133
Methyl tert-butyl ether	25.0	19.8		ug/L		79	77 - 120
Methylcyclohexane	25.0	23.3		ug/L		93	68 - 134
Methylene Chloride	25.0	26.3		ug/L		105	75 - 124
Styrene	25.0	27.6		ug/L		111	80 - 120
Tetrachloroethene	25.0	28.8		ug/L		115	74 - 122
Toluene	25.0	26.5		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	26.5		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	27.0		ug/L		108	80 - 120
Trichloroethene	25.0	28.8		ug/L		115	74 - 123
Trichlorofluoromethane	25.0	20.4		ug/L		82	62 - 150
Vinyl chloride	25.0	23.7		ug/L		95	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

Client: New York State D.E.C.
Job ID: 480-178383-1
Project/Site: 275 Franklin Street #C915208A

GC/MS VOA

Analysis Batch: 560615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178383-7	TRIP BLANK	Total/NA	Water	8260C	
MB 480-560615/7	Method Blank	Total/NA	Water	8260C	
LCS 480-560615/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 560826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178383-4	MW-27S	Total/NA	Water	8260C	
480-178383-5	MW-24D	Total/NA	Water	8260C	
480-178383-6	MW-23D	Total/NA	Water	8260C	
MB 480-560826/7	Method Blank	Total/NA	Water	8260C	
LCS 480-560826/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 560828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178383-1	MW-26S	Total/NA	Water	8260C	
480-178383-3	MW-25S	Total/NA	Water	8260C	
MB 480-560828/7	Method Blank	Total/NA	Water	8260C	
LCS 480-560828/4	Lab Control Sample	Total/NA	Water	8260C	
480-178383-1 MS	MW-26S	Total/NA	Water	8260C	
480-178383-1 MSD	MW-26S	Total/NA	Water	8260C	

Analysis Batch: 560877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178383-2	DUP-111720	Total/NA	Water	8260C	
MB 480-560877/7	Method Blank	Total/NA	Water	8260C	
LCS 480-560877/5	Lab Control Sample	Total/NA	Water	8260C	

Client Sample ID: MW-26S
Lab Sample ID: 480-178383-1
Date Collected: 11/17/20 08:50
Matrix: Water
Date Received: 11/18/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	560828	11/25/20 14:35	LCH	TAL BUF

Client Sample ID: DUP-111720
Lab Sample ID: 480-178383-2
Date Collected: 11/17/20 00:00
Matrix: Water
Date Received: 11/18/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	560877	11/25/20 15:15	LCH	TAL BUF

Client Sample ID: MW-25S
Lab Sample ID: 480-178383-3
Date Collected: 11/17/20 10:20
Matrix: Water
Date Received: 11/18/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	560828	11/25/20 14:59	LCH	TAL BUF

Client Sample ID: MW-27S
Lab Sample ID: 480-178383-4
Date Collected: 11/17/20 11:35
Matrix: Water
Date Received: 11/18/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	560826	11/25/20 14:03	AMM	TAL BUF

Client Sample ID: MW-24D
Lab Sample ID: 480-178383-5
Date Collected: 11/17/20 12:45
Matrix: Water
Date Received: 11/18/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	560826	11/25/20 14:26	AMM	TAL BUF

Client Sample ID: MW-23D
Lab Sample ID: 480-178383-6
Date Collected: 11/17/20 14:00
Matrix: Water
Date Received: 11/18/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	560826	11/25/20 14:49	AMM	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-178383-7
Date Collected: 11/17/20 00:00
Matrix: Water
Date Received: 11/18/20 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	560615	11/24/20 11:43	AMM	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-178383-1
Project/Site: 275 Franklin Street #C915208A

Laboratory: Eurofins TestAmerica, Buffalo

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

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
MW-26S	480-178383-1	103	104	105
DUP-111720	480-178383-2	114	106	107
MW-25S	480-178383-3	102	105	104
MW-27S	480-178383-4	109	98	96
MW-24D	480-178383-5	110	98	93
MW-23D	480-178383-6	116	98	93
TRIP BLANK	480-178383-7	110	97	95
	MB 480-560615/7	107	98	96
	MB 480-560826/7	107	102	97
	MB 480-560828/7	103	104	103
	MB 480-560877/7	108	103	106
	LCS 480-560615/5	100	100	100
	LCS 480-560826/5	102	101	100
	LCS 480-560828/4	102	105	105
	LCS 480-560877/5	106	104	105
MW-26S MS	480-178383-1 MS	105	105	106
MW-26S MSD	480-178383-1 MSD	104	105	104

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

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4636.D

Lab ID: LCS 480-560615/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.9	100	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.2	97	76-120	
1,1,2-Trichloroethane	25.0	24.8	99	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.9	96	61-148	
1,1-Dichloroethane	25.0	24.0	96	77-120	
1,1-Dichloroethene	25.0	23.9	96	66-127	
1,2,4-Trichlorobenzene	25.0	23.7	95	79-122	
1,2-Dibromo-3-Chloropropane	25.0	22.7	91	56-134	
1,2-Dibromoethane	25.0	23.7	95	77-120	
1,2-Dichlorobenzene	25.0	24.7	99	80-124	
1,2-Dichloroethane	25.0	25.7	103	75-120	
1,2-Dichloropropane	25.0	25.4	101	76-120	
1,3-Dichlorobenzene	25.0	24.2	97	77-120	
1,4-Dichlorobenzene	25.0	24.6	98	80-120	
2-Hexanone	125	134	107	65-127	
2-Butanone (MEK)	125	148	119	57-140	
4-Methyl-2-pentanone (MIBK)	125	132	105	71-125	
Acetone	125	137	110	56-142	
Benzene	25.0	25.2	101	71-124	
Bromodichloromethane	25.0	25.7	103	80-122	
Bromoform	25.0	24.0	96	61-132	
Bromomethane	25.0	24.8	99	55-144	
Carbon disulfide	25.0	25.3	101	59-134	
Carbon tetrachloride	25.0	24.9	99	72-134	
Chlorobenzene	25.0	25.1	100	80-120	
Dibromochloromethane	25.0	25.5	102	75-125	
Chloroethane	25.0	24.2	97	69-136	
Chloroform	25.0	24.2	97	73-127	
Chloromethane	25.0	27.0	108	68-124	
cis-1,2-Dichloroethene	25.0	23.1	92	74-124	
cis-1,3-Dichloropropene	25.0	25.9	104	74-124	
Cyclohexane	25.0	23.8	95	59-135	
Dichlorodifluoromethane	25.0	32.4	130	59-135	
Ethylbenzene	25.0	24.8	99	77-123	
Isopropylbenzene	25.0	25.3	101	77-122	
Methyl acetate	50.0	54.0	108	74-133	
Methyl tert-butyl ether	25.0	25.1	100	77-120	
Methylcyclohexane	25.0	24.1	97	68-134	
Methylene Chloride	25.0	24.3	97	75-124	
Styrene	25.0	25.3	101	80-120	
Tetrachloroethene	25.0	25.3	101	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4636.D

Lab ID: LCS 480-560615/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.2	97	80-122	
trans-1,2-Dichloroethene	25.0	23.0	92	73-127	
trans-1,3-Dichloropropene	25.0	24.7	99	80-120	
Trichloroethene	25.0	25.3	101	74-123	
Trichlorofluoromethane	25.0	28.7	115	62-150	
Vinyl chloride	25.0	26.2	105	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4692.D

Lab ID: LCS 480-560826/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.0	108	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.8	99	76-120	
1,1,2-Trichloroethane	25.0	26.2	105	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.1	113	61-148	
1,1-Dichloroethane	25.0	25.1	100	77-120	
1,1-Dichloroethene	25.0	27.8	111	66-127	
1,2,4-Trichlorobenzene	25.0	24.7	99	79-122	
1,2-Dibromo-3-Chloropropane	25.0	26.0	104	56-134	
1,2-Dibromoethane	25.0	24.9	100	77-120	
1,2-Dichlorobenzene	25.0	26.5	106	80-124	
1,2-Dichloroethane	25.0	25.6	102	75-120	
1,2-Dichloropropane	25.0	25.3	101	76-120	
1,3-Dichlorobenzene	25.0	25.8	103	77-120	
1,4-Dichlorobenzene	25.0	25.9	104	80-120	
2-Hexanone	125	139	111	65-127	
2-Butanone (MEK)	125	147	118	57-140	
4-Methyl-2-pentanone (MIBK)	125	139	111	71-125	
Acetone	125	152	121	56-142	
Benzene	25.0	25.4	102	71-124	
Bromodichloromethane	25.0	24.9	100	80-122	
Bromoform	25.0	24.1	96	61-132	
Bromomethane	25.0	21.7	87	55-144	
Carbon disulfide	25.0	28.4	114	59-134	
Carbon tetrachloride	25.0	27.4	110	72-134	
Chlorobenzene	25.0	26.5	106	80-120	
Dibromochloromethane	25.0	26.6	106	75-125	
Chloroethane	25.0	22.4	90	69-136	
Chloroform	25.0	24.3	97	73-127	
Chloromethane	25.0	25.7	103	68-124	
cis-1,2-Dichloroethene	25.0	24.2	97	74-124	
cis-1,3-Dichloropropene	25.0	24.8	99	74-124	
Cyclohexane	25.0	26.2	105	59-135	
Dichlorodifluoromethane	25.0	28.3	113	59-135	
Ethylbenzene	25.0	26.5	106	77-123	
Isopropylbenzene	25.0	27.4	110	77-122	
Methyl acetate	50.0	55.8	112	74-133	
Methyl tert-butyl ether	25.0	25.1	100	77-120	
Methylcyclohexane	25.0	27.7	111	68-134	
Methylene Chloride	25.0	24.8	99	75-124	
Styrene	25.0	27.0	108	80-120	
Tetrachloroethene	25.0	27.7	111	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4692.D

Lab ID: LCS 480-560826/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	26.7	107	80-122	
trans-1,2-Dichloroethene	25.0	25.2	101	73-127	
trans-1,3-Dichloropropene	25.0	26.2	105	80-120	
Trichloroethene	25.0	24.7	99	74-123	
Trichlorofluoromethane	25.0	28.2	113	62-150	
Vinyl chloride	25.0	25.0	100	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N7754.D

Lab ID: LCS 480-560828/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.4	110	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.8	99	76-120	
1,1,2-Trichloroethane	25.0	25.6	103	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.6	118	61-148	
1,1-Dichloroethane	25.0	26.1	105	77-120	
1,1-Dichloroethene	25.0	27.9	111	66-127	
1,2,4-Trichlorobenzene	25.0	26.4	106	79-122	
1,2-Dibromo-3-Chloropropane	25.0	26.5	106	56-134	
1,2-Dibromoethane	25.0	26.2	105	77-120	
1,2-Dichlorobenzene	25.0	25.3	101	80-124	
1,2-Dichloroethane	25.0	24.1	96	75-120	
1,2-Dichloropropane	25.0	25.4	102	76-120	
1,3-Dichlorobenzene	25.0	25.3	101	77-120	
1,4-Dichlorobenzene	25.0	25.2	101	80-120	
2-Hexanone	125	126	101	65-127	
2-Butanone (MEK)	125	122	97	57-140	
4-Methyl-2-pentanone (MIBK)	125	124	99	71-125	
Acetone	125	129	103	56-142	
Benzene	25.0	25.0	100	71-124	
Bromodichloromethane	25.0	26.1	104	80-122	
Bromoform	25.0	28.2	113	61-132	
Bromomethane	25.0	21.3	85	55-144	
Carbon disulfide	25.0	27.1	108	59-134	
Carbon tetrachloride	25.0	29.2	117	72-134	
Chlorobenzene	25.0	25.5	102	80-120	
Dibromochloromethane	25.0	27.0	108	75-125	
Chloroethane	25.0	24.8	99	69-136	
Chloroform	25.0	23.7	95	73-127	
Chloromethane	25.0	24.1	97	68-124	
cis-1,2-Dichloroethene	25.0	24.6	98	74-124	
cis-1,3-Dichloropropene	25.0	26.4	106	74-124	
Cyclohexane	25.0	28.2	113	59-135	
Dichlorodifluoromethane	25.0	23.7	95	59-135	
Ethylbenzene	25.0	26.1	104	77-123	
Isopropylbenzene	25.0	27.3	109	77-122	
Methyl acetate	50.0	48.2	96	74-133	
Methyl tert-butyl ether	25.0	25.6	102	77-120	
Methylcyclohexane	25.0	28.9	116	68-134	
Methylene Chloride	25.0	26.0	104	75-124	
Styrene	25.0	25.7	103	80-120	
Tetrachloroethene	25.0	26.4	106	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N7754.D

Lab ID: LCS 480-560828/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	26.5	106	80-122	
trans-1,2-Dichloroethene	25.0	25.5	102	73-127	
trans-1,3-Dichloropropene	25.0	28.2	113	80-120	
Trichloroethene	25.0	25.3	101	74-123	
Trichlorofluoromethane	25.0	27.2	109	62-150	
Vinyl chloride	25.0	24.1	97	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T9268.D

Lab ID: LCS 480-560877/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	22.0	88	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.3	105	76-120	
1,1,2-Trichloroethane	25.0	27.4	110	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.8	115	61-148	
1,1-Dichloroethane	25.0	25.5	102	77-120	
1,1-Dichloroethene	25.0	28.2	113	66-127	
1,2,4-Trichlorobenzene	25.0	26.7	107	79-122	
1,2-Dibromo-3-Chloropropane	25.0	22.8	91	56-134	
1,2-Dibromoethane	25.0	28.1	113	77-120	
1,2-Dichlorobenzene	25.0	27.0	108	80-124	
1,2-Dichloroethane	25.0	28.0	112	75-120	
1,2-Dichloropropane	25.0	29.4	117	76-120	
1,3-Dichlorobenzene	25.0	28.3	113	77-120	
1,4-Dichlorobenzene	25.0	27.9	112	80-120	
2-Hexanone	125	131	105	65-127	
2-Butanone (MEK)	125	139	111	57-140	
4-Methyl-2-pentanone (MIBK)	125	124	99	71-125	
Acetone	125	111	89	56-142	
Benzene	25.0	27.8	111	71-124	
Bromodichloromethane	25.0	29.5	118	80-122	
Bromoform	25.0	28.9	116	61-132	
Bromomethane	25.0	26.3	105	55-144	
Carbon disulfide	25.0	21.1	84	59-134	
Carbon tetrachloride	25.0	26.0	104	72-134	
Chlorobenzene	25.0	27.8	111	80-120	
Dibromochloromethane	25.0	28.6	114	75-125	
Chloroethane	25.0	24.8	99	69-136	
Chloroform	25.0	25.6	102	73-127	
Chloromethane	25.0	27.9	111	68-124	
cis-1,2-Dichloroethene	25.0	26.9	107	74-124	
cis-1,3-Dichloropropene	25.0	28.9	116	74-124	
Cyclohexane	25.0	22.3	89	59-135	
Dichlorodifluoromethane	25.0	23.9	95	59-135	
Ethylbenzene	25.0	26.7	107	77-123	
Isopropylbenzene	25.0	25.9	104	77-122	
Methyl acetate	50.0	53.0	106	74-133	
Methyl tert-butyl ether	25.0	19.8	79	77-120	
Methylcyclohexane	25.0	23.3	93	68-134	
Methylene Chloride	25.0	26.3	105	75-124	
Styrene	25.0	27.6	111	80-120	
Tetrachloroethene	25.0	28.8	115	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T9268.D

Lab ID: LCS 480-560877/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	26.5	106	80-122	
trans-1,2-Dichloroethene	25.0	26.5	106	73-127	
trans-1,3-Dichloropropene	25.0	27.0	108	80-120	
Trichloroethene	25.0	28.8	115	74-123	
Trichlorofluoromethane	25.0	20.4	82	62-150	
Vinyl chloride	25.0	23.7	95	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N7776.D

Lab ID: 480-178383-1 MS Client ID: MW-26S MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	500	ND	518	104	73-126	
1,1,2,2-Tetrachloroethane	500	ND	470	94	76-120	
1,1,2-Trichloroethane	500	ND	466	93	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	ND	540	108	61-148	
1,1-Dichloroethane	500	ND	491	98	77-120	
1,1-Dichloroethene	500	ND	518	104	66-127	
1,2,4-Trichlorobenzene	500	ND	467	93	79-122	
1,2-Dibromo-3-Chloropropane	500	ND	485	97	56-134	
1,2-Dibromoethane	500	ND	473	95	77-120	
1,2-Dichlorobenzene	500	ND	467	93	80-124	
1,2-Dichloroethane	500	ND	459	92	75-120	
1,2-Dichloropropane	500	ND	464	93	76-120	
1,3-Dichlorobenzene	500	ND	454	91	77-120	
1,4-Dichlorobenzene	500	ND	452	90	78-124	
2-Hexanone	2500	ND	2400	96	65-127	
2-Butanone (MEK)	2500	ND	2440	98	57-140	
4-Methyl-2-pentanone (MIBK)	2500	ND	2420	97	71-125	
Acetone	2500	ND	2460	98	56-142	
Benzene	500	ND	462	92	71-124	
Bromodichloromethane	500	ND	467	93	80-122	
Bromoform	500	ND	486	97	61-132	
Bromomethane	500	ND	448	90	55-144	
Carbon disulfide	500	ND	529	106	59-134	
Carbon tetrachloride	500	ND	547	109	72-134	
Chlorobenzene	500	ND	463	93	80-120	
Dibromochloromethane	500	ND	483	97	75-125	
Chloroethane	500	ND	496	99	69-136	
Chloroform	500	ND	447	89	73-127	
Chloromethane	500	ND	488	98	68-124	
cis-1,2-Dichloroethene	500	28	480	90	74-124	
cis-1,3-Dichloropropene	500	ND	468	94	74-124	
Cyclohexane	500	ND	528	106	59-135	
Dichlorodifluoromethane	500	ND	504	101	59-135	
Ethylbenzene	500	ND	475	95	77-123	
Isopropylbenzene	500	ND	486	97	77-122	
Methyl acetate	1000	ND	957	96	74-133	
Methyl tert-butyl ether	500	ND	465	93	77-120	
Methylcyclohexane	500	ND	528	106	68-134	
Methylene Chloride	500	ND	501	100	75-124	
Styrene	500	ND	467	93	80-120	
Tetrachloroethene	500	770	1150	76	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N7776.D

Lab ID: 480-178383-1 MS Client ID: MW-26S MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	500	ND	482	96	80-122	
trans-1,2-Dichloroethene	500	ND	477	95	73-127	
trans-1,3-Dichloropropene	500	ND	498	100	80-120	
Trichloroethene	500	20	496	95	74-123	
Trichlorofluoromethane	500	ND	571	114	62-150	
Vinyl chloride	500	ND	501	100	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N7777.D

Lab ID: 480-178383-1 MSD Client ID: MW-26S MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	500	493	99	5	15	73-126	
1,1,2,2-Tetrachloroethane	500	445	89	5	15	76-120	
1,1,2-Trichloroethane	500	441	88	6	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	531	106	2	20	61-148	
1,1-Dichloroethane	500	469	94	4	20	77-120	
1,1-Dichloroethene	500	506	101	2	16	66-127	
1,2,4-Trichlorobenzene	500	455	91	3	20	79-122	
1,2-Dibromo-3-Chloropropane	500	478	96	1	15	56-134	
1,2-Dibromoethane	500	454	91	4	15	77-120	
1,2-Dichlorobenzene	500	450	90	4	20	80-124	
1,2-Dichloroethane	500	442	88	4	20	75-120	
1,2-Dichloropropane	500	450	90	3	20	76-120	
1,3-Dichlorobenzene	500	431	86	5	20	77-120	
1,4-Dichlorobenzene	500	429	86	5	20	78-124	
2-Hexanone	2500	2290	92	5	15	65-127	
2-Butanone (MEK)	2500	2290	91	7	20	57-140	
4-Methyl-2-pentanone (MIBK)	2500	2280	91	6	35	71-125	
Acetone	2500	2340	94	5	15	56-142	
Benzene	500	453	91	2	13	71-124	
Bromodichloromethane	500	458	92	2	15	80-122	
Bromoform	500	486	97	0	15	61-132	
Bromomethane	500	435	87	3	15	55-144	
Carbon disulfide	500	505	101	5	15	59-134	
Carbon tetrachloride	500	509	102	7	15	72-134	
Chlorobenzene	500	440	88	5	25	80-120	
Dibromochloromethane	500	465	93	4	15	75-125	
Chloroethane	500	488	98	2	15	69-136	
Chloroform	500	417	83	7	20	73-127	
Chloromethane	500	483	97	1	15	68-124	
cis-1,2-Dichloroethene	500	463	87	4	15	74-124	
cis-1,3-Dichloropropene	500	460	92	2	15	74-124	
Cyclohexane	500	513	103	3	20	59-135	
Dichlorodifluoromethane	500	490	98	3	20	59-135	
Ethylbenzene	500	444	89	7	15	77-123	
Isopropylbenzene	500	472	94	3	20	77-122	
Methyl acetate	1000	908	91	5	20	74-133	
Methyl tert-butyl ether	500	453	91	3	37	77-120	
Methylcyclohexane	500	528	106	0	20	68-134	
Methylene Chloride	500	459	92	9	15	75-124	
Styrene	500	444	89	5	20	80-120	
Tetrachloroethene	500	1110	69	3	20	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N7777.D

Lab ID: 480-178383-1 MSD Client ID: MW-26S MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	500	458	92	5	15	80-122	
trans-1,2-Dichloroethene	500	465	93	2	20	73-127	
trans-1,3-Dichloropropene	500	468	94	6	15	80-120	
Trichloroethene	500	485	93	2	16	74-123	
Trichlorofluoromethane	500	548	110	4	20	62-150	
Vinyl chloride	500	486	97	3	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab File ID: S4638.D Lab Sample ID: MB 480-560615/7

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

Instrument ID: HP5973S Date Analyzed: 11/24/2020 09:00

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-560615/5	S4636.D	11/24/2020 08:14
TRIP BLANK	480-178383-7	S4641.D	11/24/2020 11:43

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab File ID: S4694.D Lab Sample ID: MB 480-560826/7

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

Instrument ID: HP5973S Date Analyzed: 11/25/2020 09:35

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-560826/5	S4692.D	11/25/2020 08:49
MW-27S	480-178383-4	S4704.D	11/25/2020 14:03
MW-24D	480-178383-5	S4705.D	11/25/2020 14:26
MW-23D	480-178383-6	S4706.D	11/25/2020 14:49

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab File ID: N7757.D Lab Sample ID: MB 480-560828/7

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

Instrument ID: HP5973N Date Analyzed: 11/25/2020 10:47

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-560828/4	N7754.D	11/25/2020 09:22
MW-26S	480-178383-1	N7766.D	11/25/2020 14:35
MW-25S	480-178383-3	N7767.D	11/25/2020 14:59
MW-26S MS	480-178383-1 MS	N7776.D	11/25/2020 18:35
MW-26S MSD	480-178383-1 MSD	N7777.D	11/25/2020 18:59

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab File ID: T9270.D Lab Sample ID: MB 480-560877/7

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

Instrument ID: HP5975T Date Analyzed: 11/25/2020 12:43

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-560877/5	T9268.D	11/25/2020 11:51
DUP-111720	480-178383-2	T9276.D	11/25/2020 15:15

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab File ID: N7387.D BFB Injection Date: 11/18/2020

Instrument ID: HP5973N BFB Injection Time: 13:15

Analysis Batch No.: 559694

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	31.8	
75	30.0 - 60.0 % of mass 95	47.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	1.1	(1.2) 1
174	Greater than 50% of mass 95	89.2	
175	5.0 - 9.0 % of mass 174	6.5	(7.2) 1
176	95.0 - 101.0 % of mass 174	86.2	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.7) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-559694/8	N7389.D	11/18/2020	14:04
	IC 480-559694/9	N7390.D	11/18/2020	14:28
	IC 480-559694/10	N7391.D	11/18/2020	14:52
	IC 480-559694/11	N7392.D	11/18/2020	15:16
	IC 480-559694/12	N7393.D	11/18/2020	15:40
	ICIS 480-559694/13	N7394.D	11/18/2020	16:04
	IC 480-559694/14	N7395.D	11/18/2020	16:28
	IC 480-559694/15	N7396.D	11/18/2020	16:52
	ICV 480-559694/29	N7401.D	11/18/2020	18:53

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab File ID: N7752.D BFB Injection Date: 11/25/2020

Instrument ID: HP5973N BFB Injection Time: 08:19

Analysis Batch No.: 560828

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	33.3	
75	30.0 - 60.0 % of mass 95	47.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.6	(0.7) 1
174	Greater than 50% of mass 95	89.8	
175	5.0 - 9.0 % of mass 174	8.0	(9.0) 1
176	95.0 - 101.0 % of mass 174	89.7	(99.8) 1
177	5.0 - 9.0 % of mass 176	6.7	(7.5) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-560828/3	N7753.D	11/25/2020	8:47
	LCS 480-560828/4	N7754.D	11/25/2020	9:22
	MB 480-560828/7	N7757.D	11/25/2020	10:47
MW-26S	480-178383-1	N7766.D	11/25/2020	14:35
MW-25S	480-178383-3	N7767.D	11/25/2020	14:59
MW-26S MS	480-178383-1 MS	N7776.D	11/25/2020	18:35
MW-26S MSD	480-178383-1 MSD	N7777.D	11/25/2020	18:59

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab File ID: S4438.D BFB Injection Date: 11/19/2020

Instrument ID: HP5973S BFB Injection Time: 14:17

Analysis Batch No.: 559938

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.5	
75	30.0 - 60.0 % of mass 95	47.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	77.5	
175	5.0 - 9.0 % of mass 174	6.8	(8.7) 1
176	95.0 - 101.0 % of mass 174	77.4	(99.9) 1
177	5.0 - 9.0 % of mass 176	5.8	(7.5) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-559938/8	S4440.D	11/19/2020	15:09
	IC 480-559938/9	S4441.D	11/19/2020	15:32
	IC 480-559938/10	S4442.D	11/19/2020	15:55
	IC 480-559938/11	S4443.D	11/19/2020	16:18
	IC 480-559938/12	S4444.D	11/19/2020	16:41
	ICIS 480-559938/13	S4445.D	11/19/2020	17:04
	IC 480-559938/14	S4446.D	11/19/2020	17:27
	IC 480-559938/15	S4447.D	11/19/2020	17:50
	ICV 480-559938/29	S4461.D	11/19/2020	23:14

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab File ID: S4633.D BFB Injection Date: 11/24/2020

Instrument ID: HP5973S BFB Injection Time: 07:02

Analysis Batch No.: 560615

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.0	
75	30.0 - 60.0 % of mass 95	48.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.2	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	77.2	
175	5.0 - 9.0 % of mass 174	6.3	(8.2) 1
176	95.0 - 101.0 % of mass 174	75.2	(97.4) 1
177	5.0 - 9.0 % of mass 176	4.5	(6.0) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-560615/3	S4634.D	11/24/2020	7:28
	LCS 480-560615/5	S4636.D	11/24/2020	8:14
	MB 480-560615/7	S4638.D	11/24/2020	9:00
TRIP BLANK	480-178383-7	S4641.D	11/24/2020	11:43

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab File ID: S4689.D BFB Injection Date: 11/25/2020

Instrument ID: HP5973S BFB Injection Time: 07:37

Analysis Batch No.: 560826

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.7	
75	30.0 - 60.0 % of mass 95	51.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	79.4	
175	5.0 - 9.0 % of mass 174	5.8	(7.3) 1
176	95.0 - 101.0 % of mass 174	76.6	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.5	(7.2) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-560826/3	S4690.D	11/25/2020	8:03
	LCS 480-560826/5	S4692.D	11/25/2020	8:49
	MB 480-560826/7	S4694.D	11/25/2020	9:35
MW-27S	480-178383-4	S4704.D	11/25/2020	14:03
MW-24D	480-178383-5	S4705.D	11/25/2020	14:26
MW-23D	480-178383-6	S4706.D	11/25/2020	14:49

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab File ID: T7401.D BFB Injection Date: 10/10/2020

Instrument ID: HP5975T BFB Injection Time: 11:28

Analysis Batch No.: 553340

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.6	
75	30.0 - 60.0 % of mass 95	51.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	70.1	
175	5.0 - 9.0 % of mass 174	5.0	(7.2) 1
176	95.0 - 101.0 % of mass 174	69.1	(98.6) 1
177	5.0 - 9.0 % of mass 176	5.3	(7.7) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-553340/9	T7405.D	10/10/2020	13:02
	IC 480-553340/10	T7406.D	10/10/2020	13:26
	IC 480-553340/11	T7407.D	10/10/2020	13:50
	IC 480-553340/12	T7408.D	10/10/2020	14:13
	IC 480-553340/13	T7409.D	10/10/2020	14:37
	ICIS 480-553340/14	T7410.D	10/10/2020	15:01
	IC 480-553340/15	T7411.D	10/10/2020	15:25
	IC 480-553340/16	T7412.D	10/10/2020	15:48
	ICV 480-553340/30	T7426.D	10/10/2020	21:23

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab File ID: T9265.D BFB Injection Date: 11/25/2020

Instrument ID: HP5975T BFB Injection Time: 10:21

Analysis Batch No.: 560877

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.9	
75	30.0 - 60.0 % of mass 95	50.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	1.0	(1.2) 1
174	Greater than 50% of mass 95	79.7	
175	5.0 - 9.0 % of mass 174	6.0	(7.6) 1
176	95.0 - 101.0 % of mass 174	76.1	(95.6) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.5) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-560877/3	T9266.D	11/25/2020	10:46
	LCS 480-560877/5	T9268.D	11/25/2020	11:51
	MB 480-560877/7	T9270.D	11/25/2020	12:43
DUP-111720	480-178383-2	T9276.D	11/25/2020	15:15

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Sample No.: ICIS 480-559694/13 Date Analyzed: 11/18/2020 16:04

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N7394.D Heated Purge: (Y/N) N

Calibration ID: 40669

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		151378	5.57	585597	8.59	320501	10.96
UPPER LIMIT		302756	6.07	1171194	9.09	641002	11.46
LOWER LIMIT		75689	5.07	292799	8.09	160251	10.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-559694/29		135177	5.57	502839	8.59	298480	10.96
CCVIS 480-560828/3		144743	5.57	552676	8.59	298022	10.96

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Sample No.: CCVIS 480-560828/3 Date Analyzed: 11/25/2020 08:47

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N7753.D Heated Purge: (Y/N) N

Calibration ID: 40669

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		144743	5.57	552676	8.59	298022	10.96
UPPER LIMIT		289486	6.07	1105352	9.09	596044	11.46
LOWER LIMIT		72372	5.07	276338	8.09	149011	10.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-560828/4		148425	5.57	555499	8.59	300353	10.96
MB 480-560828/7		141430	5.57	545360	8.59	304007	10.96
480-178383-1	MW-26S	136211	5.57	493818	8.59	279633	10.96
480-178383-3	MW-25S	145156	5.57	541636	8.59	297507	10.96
480-178383-1 MS	MW-26S MS	138800	5.58	529809	8.59	289322	10.96
480-178383-1 MSD	MW-26S MSD	139844	5.57	535960	8.59	290515	10.96

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Sample No.: ICIS 480-559938/13 Date Analyzed: 11/19/2020 17:04

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S4445.D Heated Purge: (Y/N) N

Calibration ID: 40689

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		180021	5.35	384081	8.33	367408	10.73
UPPER LIMIT		360042	5.85	768162	8.83	734816	11.23
LOWER LIMIT		90011	4.85	192041	7.83	183704	10.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-559938/29		170177	5.35	374086	8.34	349854	10.73
CCVIS 480-560615/3		159074	5.35	342992	8.33	328383	10.73
CCVIS 480-560826/3		138946	5.35	303654	8.33	305910	10.73

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Sample No.: CCVIS 480-560615/3 Date Analyzed: 11/24/2020 07:28

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S4634.D Heated Purge: (Y/N) N

Calibration ID: 40692

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		159074	5.35	342992	8.33	328383	10.73
UPPER LIMIT		318148	5.85	685984	8.83	656766	11.23
LOWER LIMIT		79537	4.85	171496	7.83	164192	10.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-560615/5		157576	5.35	340530	8.33	329860	10.73
MB 480-560615/7		152625	5.35	320841	8.33	313356	10.73
480-178383-7	TRIP BLANK	144909	5.35	316341	8.34	294038	10.73

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Sample No.: CCVIS 480-560826/3 Date Analyzed: 11/25/2020 08:03

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S4690.D Heated Purge: (Y/N) N

Calibration ID: 40692

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		138946	5.35	303654	8.33	305910	10.73
UPPER LIMIT		277892	5.85	607308	8.83	611820	11.23
LOWER LIMIT		69473	4.85	151827	7.83	152955	10.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-560826/5		149672	5.35	301375	8.34	293128	10.73
MB 480-560826/7		146295	5.35	308911	8.34	299947	10.73
480-178383-4	MW-27S	140546	5.35	303089	8.33	283405	10.73
480-178383-5	MW-24D	143597	5.35	296975	8.33	275556	10.73
480-178383-6	MW-23D	135386	5.35	299636	8.34	273864	10.73

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Sample No.: ICIS 480-553340/14 Date Analyzed: 10/10/2020 15:01

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): T7410.D Heated Purge: (Y/N) N

Calibration ID: 40433

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		176814	4.60	621727	6.89	331725	8.74
UPPER LIMIT		353628	5.10	1243454	7.39	663450	9.24
LOWER LIMIT		88407	4.10	310864	6.39	165863	8.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-553340/30		177099	4.60	615494	6.88	321494	8.74
CCVIS 480-560877/3		176063	4.60	667872	6.88	347822	8.74

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Sample No.: CCVIS 480-560877/3 Date Analyzed: 11/25/2020 10:46

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): T9266.D Heated Purge: (Y/N) N

Calibration ID: 40436

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		176063	4.60	667872	6.88	347822	8.74
UPPER LIMIT		352126	5.10	1335744	7.38	695644	9.24
LOWER LIMIT		88032	4.10	333936	6.38	173911	8.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-560877/5		174763	4.60	667855	6.88	351661	8.74
MB 480-560877/7		171547	4.60	651010	6.88	334266	8.74
480-178383-2	DUP-111720	159326	4.60	621482	6.88	326754	8.74

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-26S Lab Sample ID: 480-178383-1

Matrix: Water Lab File ID: N7766.D

Analysis Method: 8260C Date Collected: 11/17/2020 08:50

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 14:35

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560828 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		20	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
75-34-3	1,1-Dichloroethane	ND		20	7.6
75-35-4	1,1-Dichloroethene	ND		20	5.8
120-82-1	1,2,4-Trichlorobenzene	ND		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
106-93-4	1,2-Dibromoethane	ND		20	15
95-50-1	1,2-Dichlorobenzene	ND		20	16
107-06-2	1,2-Dichloroethane	ND		20	4.2
78-87-5	1,2-Dichloropropane	ND		20	14
541-73-1	1,3-Dichlorobenzene	ND		20	16
106-46-7	1,4-Dichlorobenzene	ND		20	17
591-78-6	2-Hexanone	ND		100	25
78-93-3	2-Butanone (MEK)	ND		200	26
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	42
67-64-1	Acetone	ND		200	60
71-43-2	Benzene	ND		20	8.2
75-27-4	Bromodichloromethane	ND		20	7.8
75-25-2	Bromoform	ND		20	5.2
74-83-9	Bromomethane	ND		20	14
75-15-0	Carbon disulfide	ND		20	3.8
56-23-5	Carbon tetrachloride	ND		20	5.4
108-90-7	Chlorobenzene	ND		20	15
124-48-1	Dibromochloromethane	ND		20	6.4
75-00-3	Chloroethane	ND		20	6.4
67-66-3	Chloroform	ND		20	6.8
74-87-3	Chloromethane	ND		20	7.0
156-59-2	cis-1,2-Dichloroethene	28		20	16
10061-01-5	cis-1,3-Dichloropropene	ND		20	7.2
110-82-7	Cyclohexane	ND		20	3.6
75-71-8	Dichlorodifluoromethane	ND		20	14
100-41-4	Ethylbenzene	ND		20	15
98-82-8	Isopropylbenzene	ND		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-26S Lab Sample ID: 480-178383-1

Matrix: Water Lab File ID: N7766.D

Analysis Method: 8260C Date Collected: 11/17/2020 08:50

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 14:35

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560828 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		50	26
1634-04-4	Methyl tert-butyl ether	ND		20	3.2
108-87-2	Methylcyclohexane	ND		20	3.2
75-09-2	Methylene Chloride	ND		20	8.8
100-42-5	Styrene	ND		20	15
127-18-4	Tetrachloroethene	770	F1	20	7.2
108-88-3	Toluene	ND		20	10
156-60-5	trans-1,2-Dichloroethene	ND		20	18
10061-02-6	trans-1,3-Dichloropropene	ND		20	7.4
79-01-6	Trichloroethene	20		20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	ND		20	18
1330-20-7	Xylenes, Total	ND		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
2037-26-5	Toluene-d8 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7766.D
Lims ID: 480-178383-B-1
Client ID: MW-26S
Sample Type: Client
Inject. Date: 25-Nov-2020 14:35:30 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-178383-B-1
Misc. Info.: 480-0095244-015
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Nov-2020 10:33:20 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: HillL Date: 26-Nov-2020 10:33:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	136211	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.585	0.000	90	493818	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	279633	25.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	96	270666	25.7	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	651030	26.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	92	217563	26.2	
11 Dichlorodifluoromethane	85		1.309				ND	
13 Chloromethane	50		1.498				ND	
14 Vinyl chloride	62		1.607				ND	
15 Bromomethane	94		1.905				ND	
16 Chloroethane	64		2.003				ND	
18 Trichlorofluoromethane	101		2.240				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.757				ND	
22 1,1-Dichloroethene	96		2.763				ND	
23 Acetone	43		2.891				ND	
25 Carbon disulfide	76		2.964				ND	
28 Methyl acetate	43		3.189				ND	
30 Methylene Chloride	84		3.292				ND	7
32 Methyl tert-butyl ether	73		3.511				ND	
33 trans-1,2-Dichloroethene	96		3.530				ND	
36 1,1-Dichloroethane	63		3.955				ND	
43 cis-1,2-Dichloroethene	96	4.521	4.515	0.006	86	11232	1.38	
44 2-Butanone (MEK)	43		4.552				ND	
50 Chloroform	83	4.825	4.831	-0.006	39	3287	0.2388	
51 1,1,1-Trichloroethane	97		4.947				ND	
52 Cyclohexane	56		4.953				ND	
53 Carbon tetrachloride	117		5.081				ND	
55 Benzene	78		5.306				ND	
57 1,2-Dichloroethane	62		5.373				ND	
60 Trichloroethene	95	5.914	5.914	0.000	91	7489	1.00	
62 Methylcyclohexane	83		6.036				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.158				ND	
67 Dichlorobromomethane	83		6.450				ND	
71 cis-1,3-Dichloropropene	75		6.869				ND	
72 4-Methyl-2-pentanone (MIBK)	58		7.009				ND	
73 Toluene	92		7.155				ND	
75 trans-1,3-Dichloropropene	75		7.435				ND	
78 1,1,2-Trichloroethane	83		7.630				ND	U
79 Tetrachloroethene	166	7.691	7.691	0.000	95	312262	38.4	
82 2-Hexanone	43		7.855				ND	
83 Chlorodibromomethane	129		8.031				ND	
84 Ethylene Dibromide	107		8.135				ND	
85 Chlorobenzene	112		8.609				ND	
88 Ethylbenzene	91		8.701				ND	
90 m-Xylene & p-Xylene	106		8.822				ND	
91 o-Xylene	106		9.254				ND	
92 Styrene	104		9.285				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.631				ND	
98 1,1,2,2-Tetrachloroethane	83		10.033				ND	
110 1,3-Dichlorobenzene	146		10.891				ND	
113 1,4-Dichlorobenzene	146		10.982				ND	
116 1,2-Dichlorobenzene	146		11.329				ND	
117 1,2-Dibromo-3-Chloropropane	75		12.053				ND	
119 1,2,4-Trichlorobenzene	180		12.728				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00202	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent

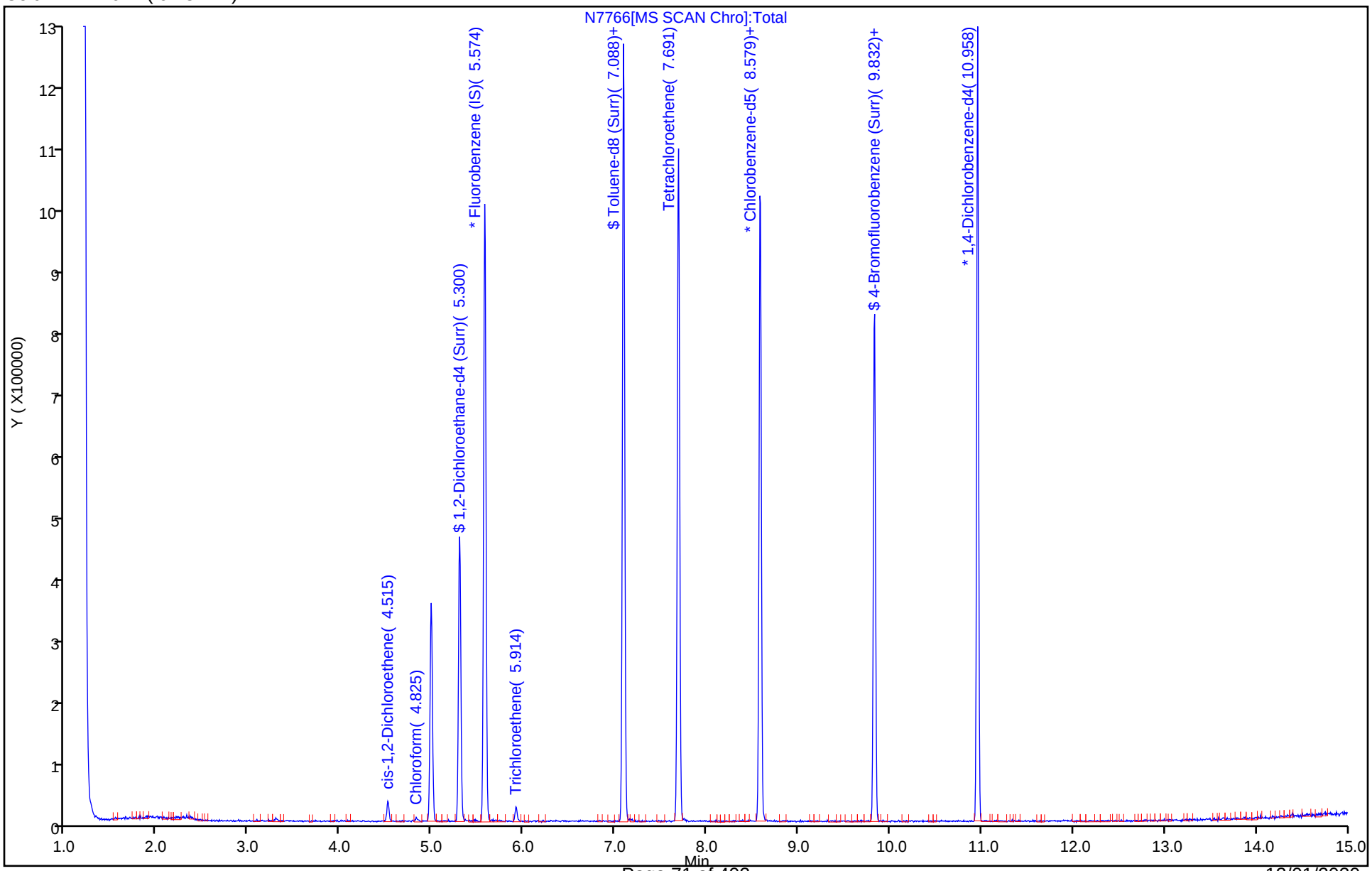
Report Date: 26-Nov-2020 10:33:21 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7766.D

Injection Date:	25-Nov-2020 14:35:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-178383-B-1	Lab Sample ID:	480-178383-1	Worklist Smp#:	15
Client ID:	MW-26S				
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	8
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



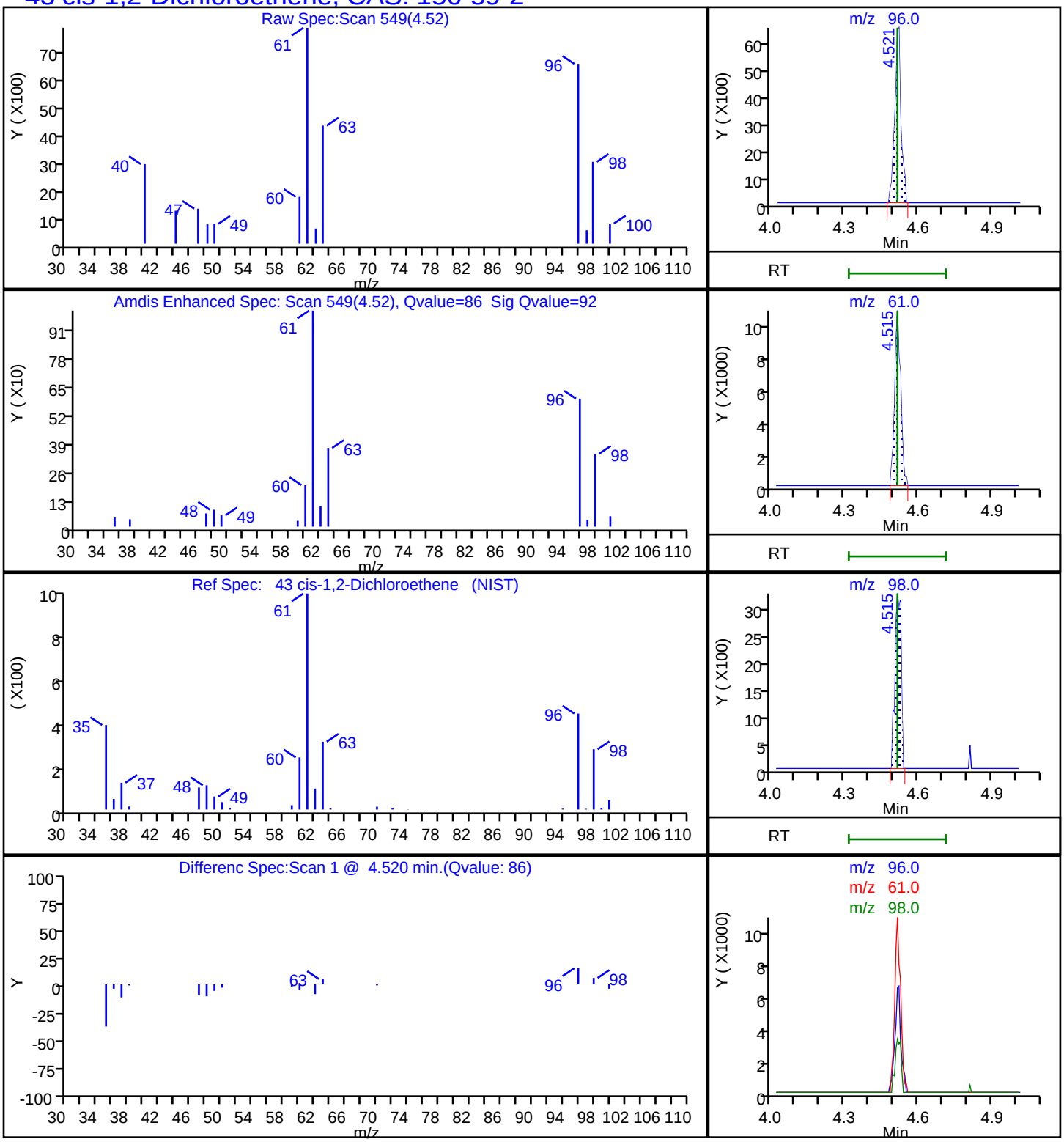
Report Date: 26-Nov-2020 10:33:21 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7766.D

Injection Date:	25-Nov-2020 14:35:30	Instrument ID:	HP5973N		
Lims ID:	480-178383-B-1	Lab Sample ID:	480-178383-1		
Client ID:	MW-26S				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

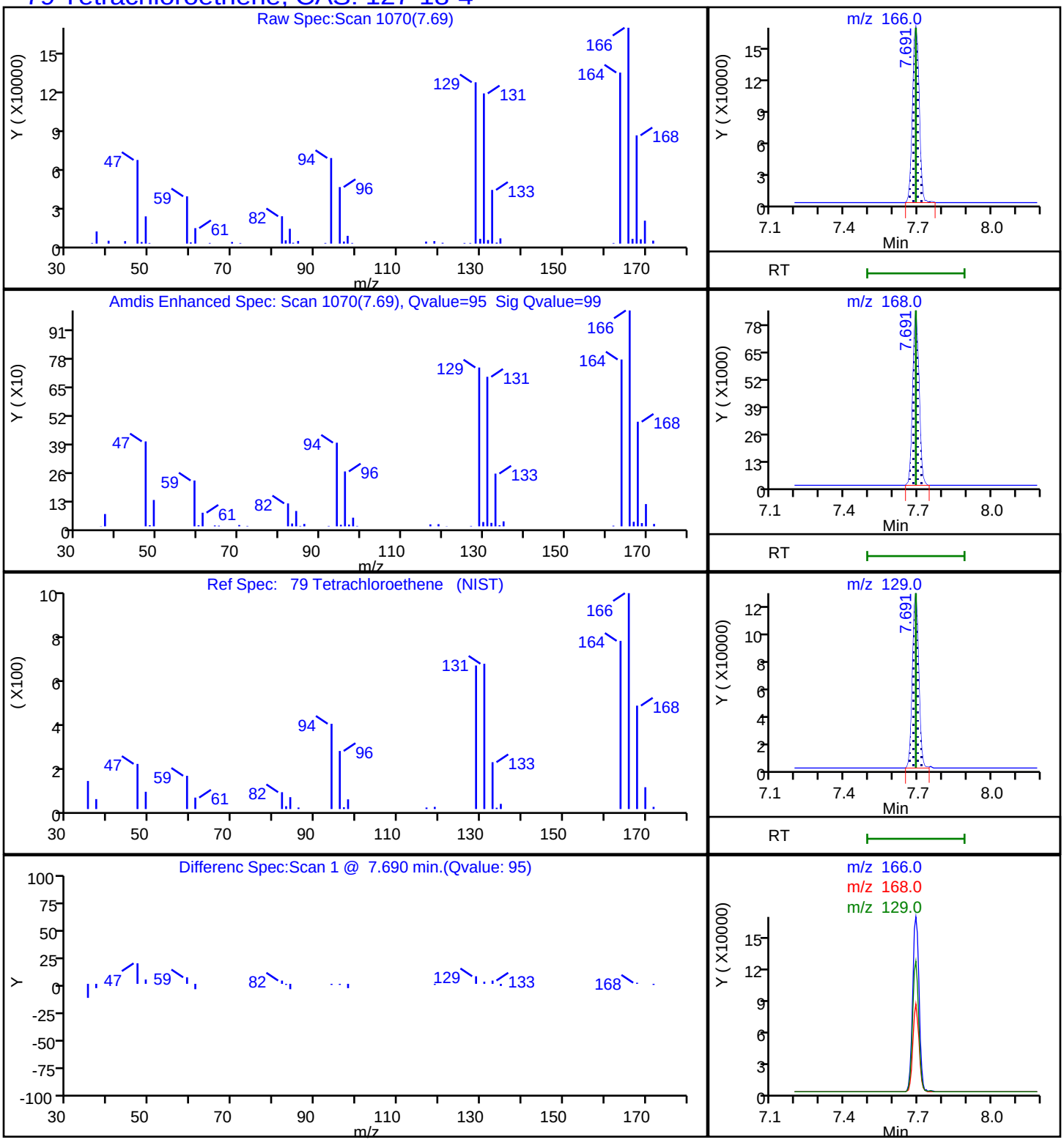
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7766.D				
Injection Date:	25-Nov-2020 14:35:30	Instrument ID:	HP5973N		
Lims ID:	480-178383-B-1	Lab Sample ID:	480-178383-1		
Client ID:	MW-26S				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

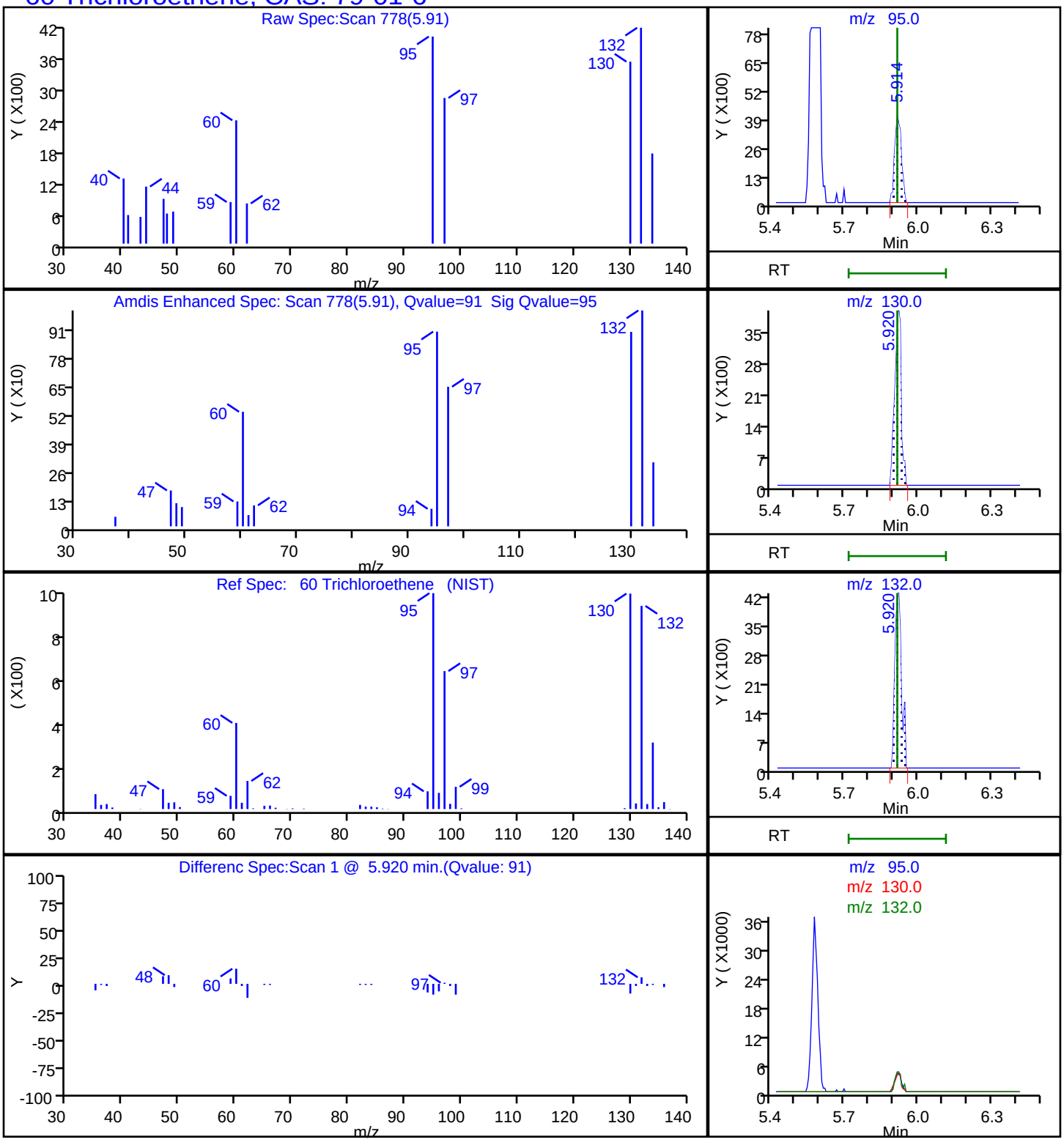
79 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7766.D		
Injection Date:	25-Nov-2020 14:35:30	Instrument ID:	HP5973N
Lims ID:	480-178383-B-1	Lab Sample ID:	480-178383-1
Client ID:	MW-26S		
Operator ID:	AM	ALS Bottle#:	8 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	20.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

60 Trichloroethene, CAS: 79-01-6



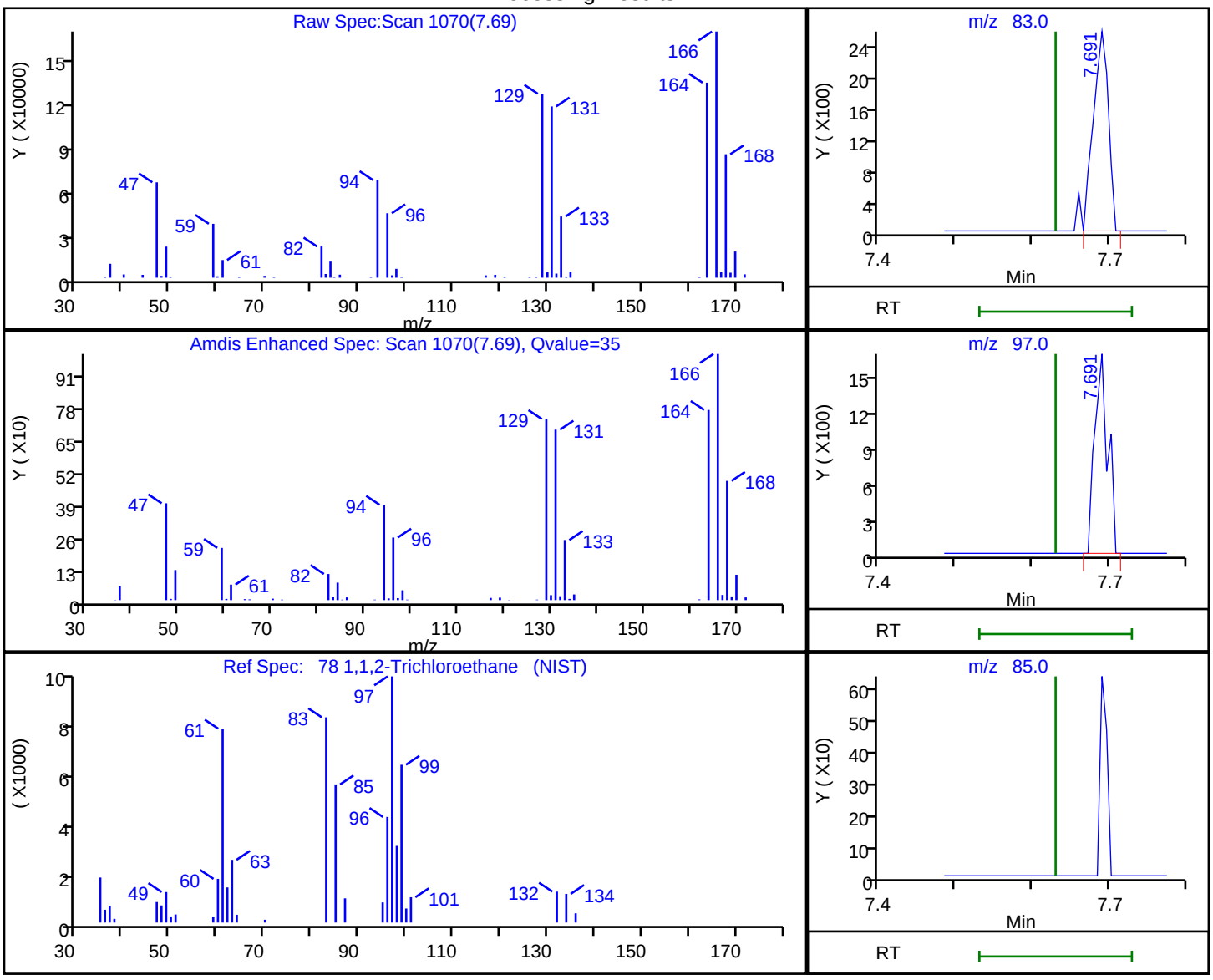
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7766.D				
Injection Date:	25-Nov-2020 14:35:30	Instrument ID:	HP5973N		
Lims ID:	480-178383-B-1	Lab Sample ID:	480-178383-1		
Client ID:	MW-26S				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.69	83.00	3457	0.690448
7.69	97.00	1943	
7.63	85.00	0	

Reviewer: HillL, 26-Nov-2020 10:33:14

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: DUP-111720 Lab Sample ID: 480-178383-2

Matrix: Water Lab File ID: T9276.D

Analysis Method: 8260C Date Collected: 11/17/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 15:15

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560877 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
106-93-4	1,2-Dibromoethane	ND		10	7.3
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
591-78-6	2-Hexanone	ND		50	12
78-93-3	2-Butanone (MEK)	ND		100	13
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
124-48-1	Dibromochloromethane	ND		10	3.2
75-00-3	Chloroethane	ND		10	3.2
67-66-3	Chloroform	3.4	J	10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	18		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4
98-82-8	Isopropylbenzene	ND		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: DUP-111720 Lab Sample ID: 480-178383-2

Matrix: Water Lab File ID: T9276.D

Analysis Method: 8260C Date Collected: 11/17/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 15:15

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560877 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	720		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	19		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	ND		10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		77-120
2037-26-5	Toluene-d8 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9276.D
Lims ID: 480-178383-B-2
Client ID: DUP-111720
Sample Type: Client
Inject. Date: 25-Nov-2020 15:15:30 ALS Bottle#: 33 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-178383-B-2
Misc. Info.: 480-0095257-013
Operator ID: LH Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Nov-2020 09:54:02 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: HillL Date: 26-Nov-2020 09:54:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.597	4.597	0.000	98	159326	25.0	
* 2 Chlorobenzene-d5	117	6.877	6.887	-0.010	88	621482	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	97	326754	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.379	4.379	0.000	0	284615	28.6	
$ 6 Toluene-d8 (Surr)	98	5.768	5.759	0.000	94	791331	26.4	
$ 7 4-Bromofluorobenzene (Surr)	174	7.809	7.798	0.000	0	232045	26.7	
11 Dichlorodifluoromethane	85		1.094				ND	
13 Chloromethane	50		1.250				ND	
14 Vinyl chloride	62		1.312				ND	
15 Bromomethane	94		1.571				ND	
16 Chloroethane	64		1.633				ND	
17 Trichlorofluoromethane	101		1.820				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.265				ND	
22 1,1-Dichloroethene	96		2.276				ND	
23 Acetone	43		2.358				ND	
25 Carbon disulfide	76		2.441				ND	
28 Methyl acetate	43		2.628				ND	
30 Methylene Chloride	84		2.731				ND	7
33 Methyl tert-butyl ether	73		2.918				ND	
32 trans-1,2-Dichloroethene	96		2.918				ND	
36 1,1-Dichloroethane	63		3.281				ND	
43 cis-1,2-Dichloroethene	96	3.747	3.747	0.000	82	17461	1.79	
44 2-Butanone (MEK)	43		3.768				ND	
50 Chloroform	83	3.996	4.006	-0.010	87	5345	0.3361	
52 Cyclohexane	56		4.089				ND	
51 1,1,1-Trichloroethane	97		4.089				ND	
53 Carbon tetrachloride	117		4.203				ND	
55 Benzene	78		4.379				ND	
57 1,2-Dichloroethane	62		4.431				ND	
60 Trichloroethene	95	4.866	4.856	0.010	94	17204	1.88	
62 Methylcyclohexane	83		4.949				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.053				ND	
67 Dichlorobromomethane	83		5.281				ND	
71 cis-1,3-Dichloropropene	75		5.592				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.706				ND	
73 Toluene	92		5.809				ND	
75 trans-1,3-Dichloropropene	75		6.027				ND	
78 1,1,2-Trichloroethane	83		6.172				ND	U
79 Tetrachloroethene	166	6.213	6.204	0.000	94	717496	72.2	
81 2-Hexanone	43		6.338				ND	
82 Chlorodibromomethane	129		6.473				ND	
83 Ethylene Dibromide	107		6.545				ND	
86 Chlorobenzene	112		6.908				ND	
88 Ethylbenzene	91		6.970				ND	
90 m-Xylene & p-Xylene	106		7.053				ND	
91 o-Xylene	106		7.374				ND	
92 Styrene	104		7.395				ND	
93 Bromoform	173		7.592				ND	
95 Isopropylbenzene	105		7.654				ND	
98 1,1,2,2-Tetrachloroethane	83		7.975				ND	
110 1,3-Dichlorobenzene	146		8.680				ND	
113 1,4-Dichlorobenzene	146		8.763				ND	
116 1,2-Dichlorobenzene	146		9.063				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.737				ND	
119 1,2,4-Trichlorobenzene	180		10.379				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00211	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00250	Amount Added:	1.00	Units: uL	Run Reagent

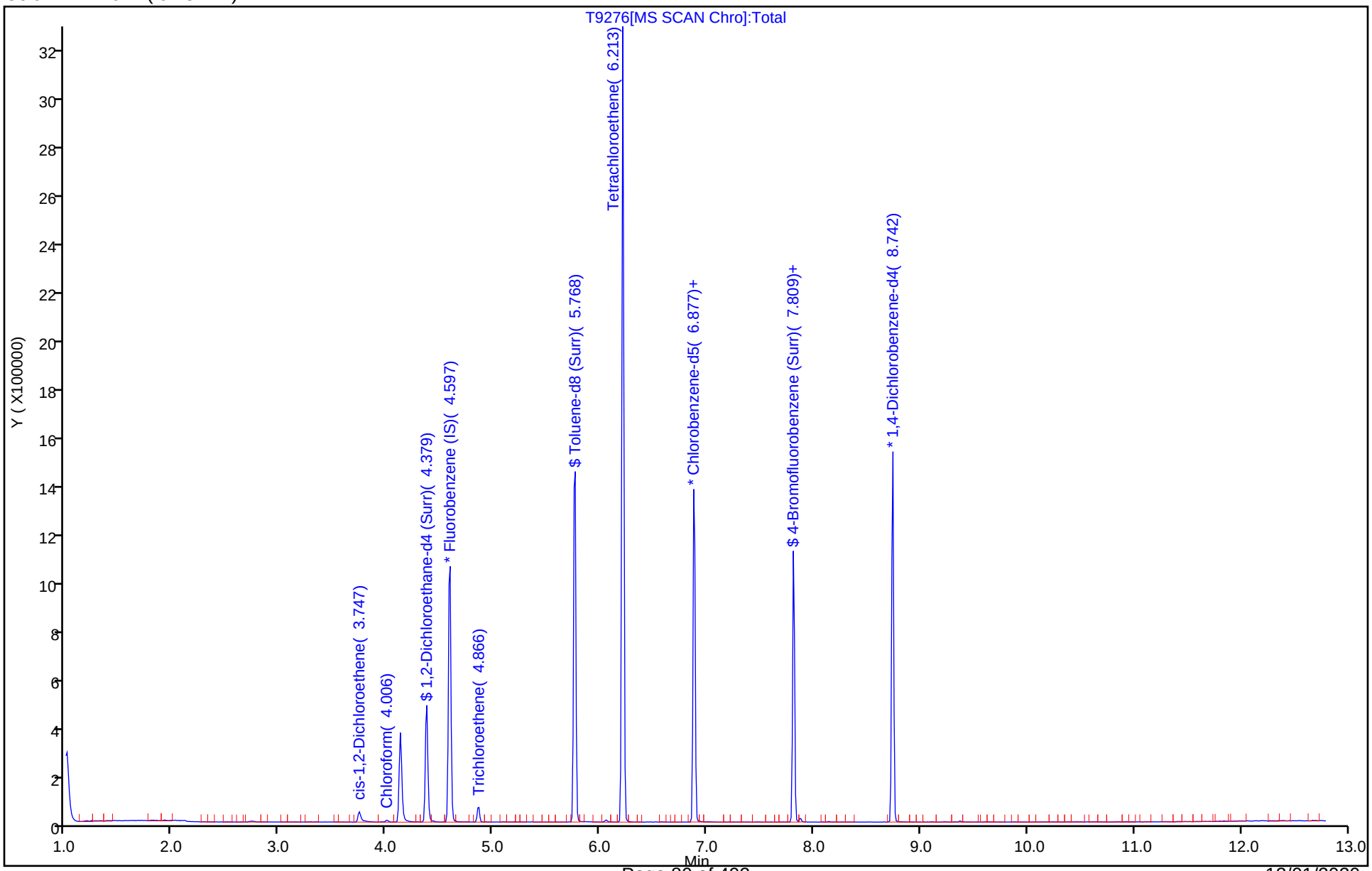
Report Date: 26-Nov-2020 09:54:03 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9276.D

Injection Date:	25-Nov-2020 15:15:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	480-178383-B-2	Lab Sample ID:	480-178383-2	Worklist Smp#:	13
Client ID:	DUP-111720				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	33
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

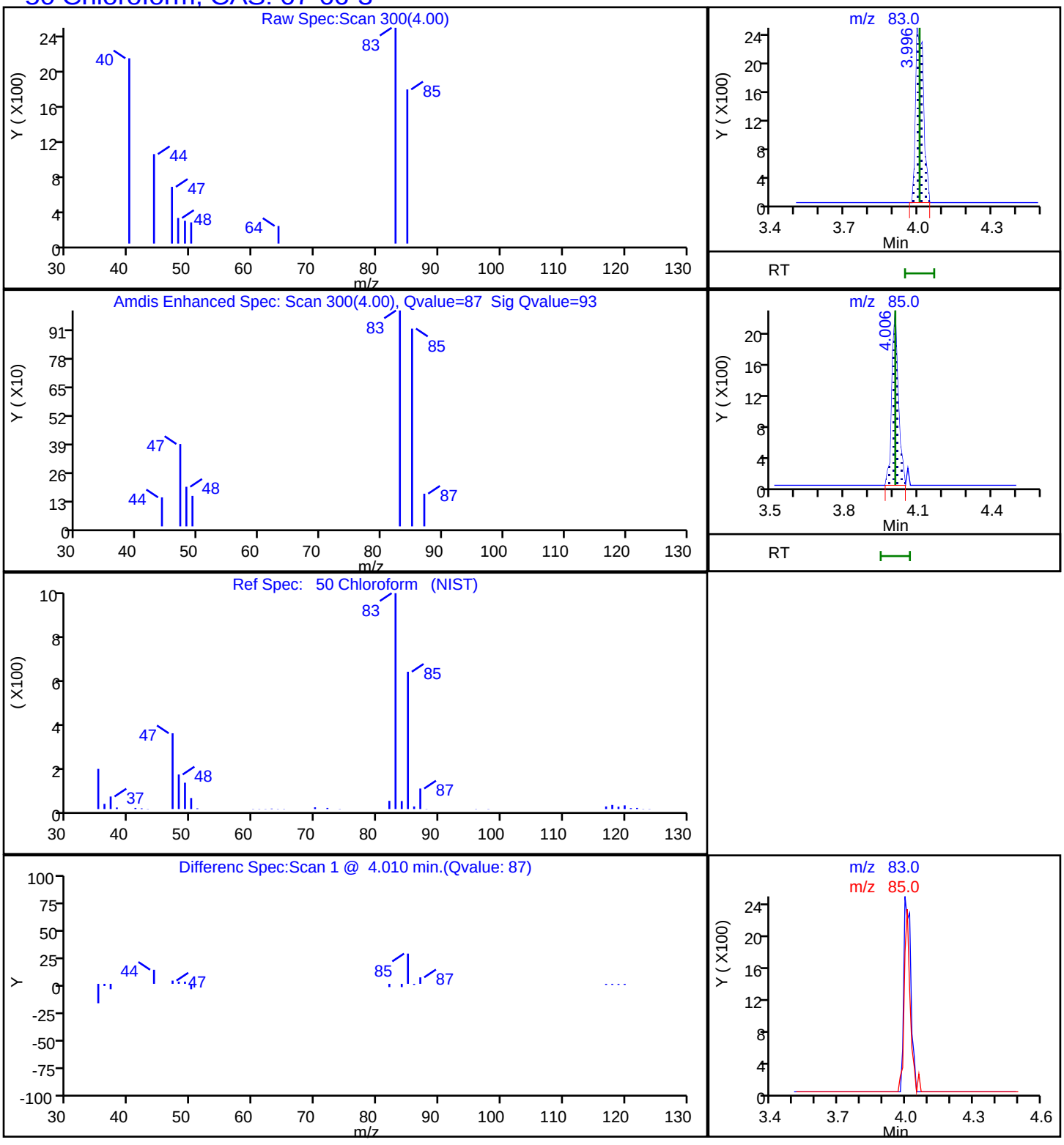


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9276.D

Injection Date:	25-Nov-2020 15:15:30	Instrument ID:	HP5975T		
Lims ID:	480-178383-B-2	Lab Sample ID:	480-178383-2		
Client ID:	DUP-111720				
Operator ID:	LH	ALS Bottle#:	33	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

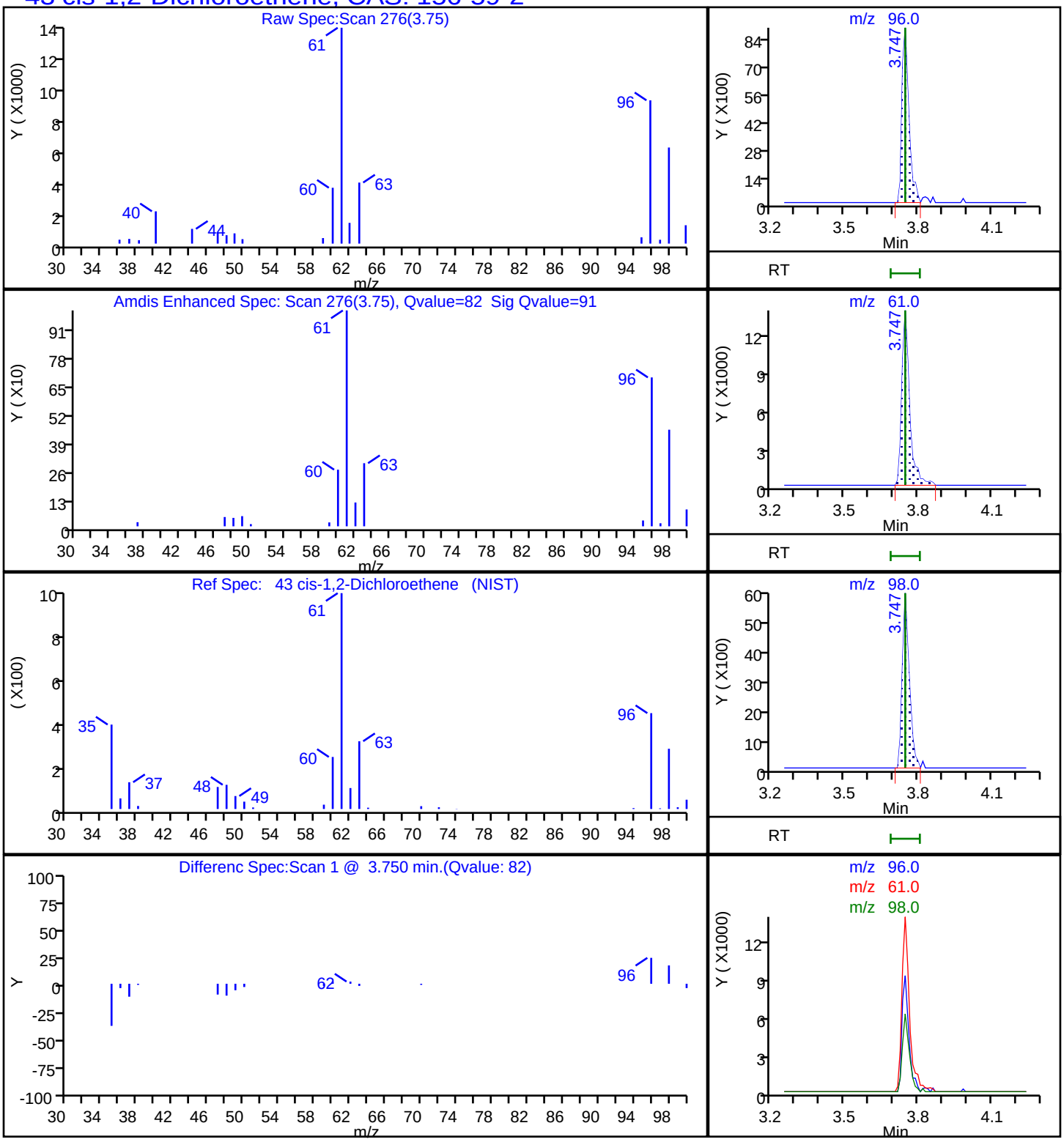
50 Chloroform, CAS: 67-66-3



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9276.D				
Injection Date:	25-Nov-2020 15:15:30	Instrument ID:	HP5975T		
Lims ID:	480-178383-B-2	Lab Sample ID:	480-178383-2		
Client ID:	DUP-111720				
Operator ID:	LH	ALS Bottle#:	33	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2



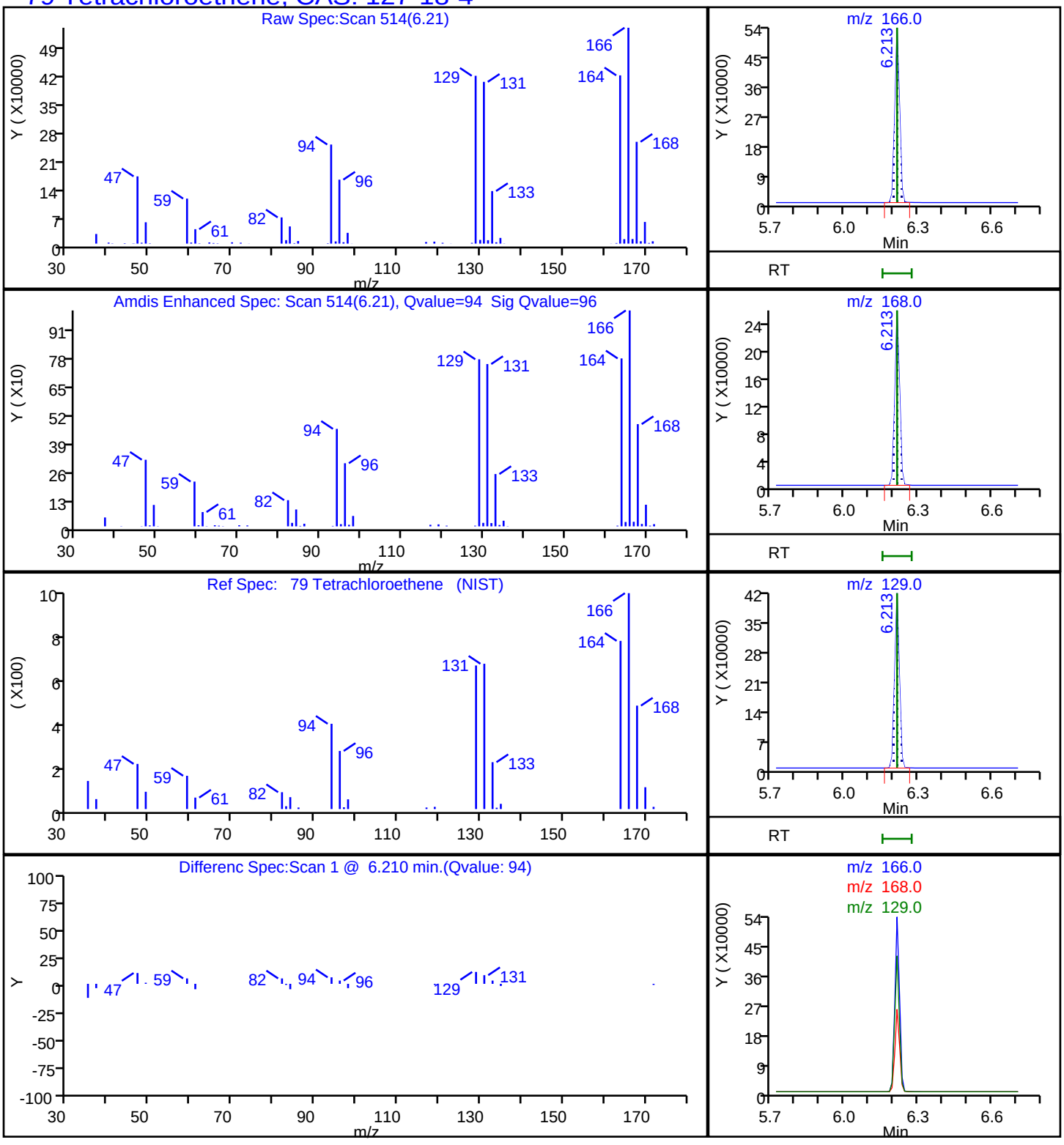
Report Date: 26-Nov-2020 09:54:03 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9276.D

Injection Date:	25-Nov-2020 15:15:30	Instrument ID:	HP5975T		
Lims ID:	480-178383-B-2	Lab Sample ID:	480-178383-2		
Client ID:	DUP-111720				
Operator ID:	LH	ALS Bottle#:	33	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

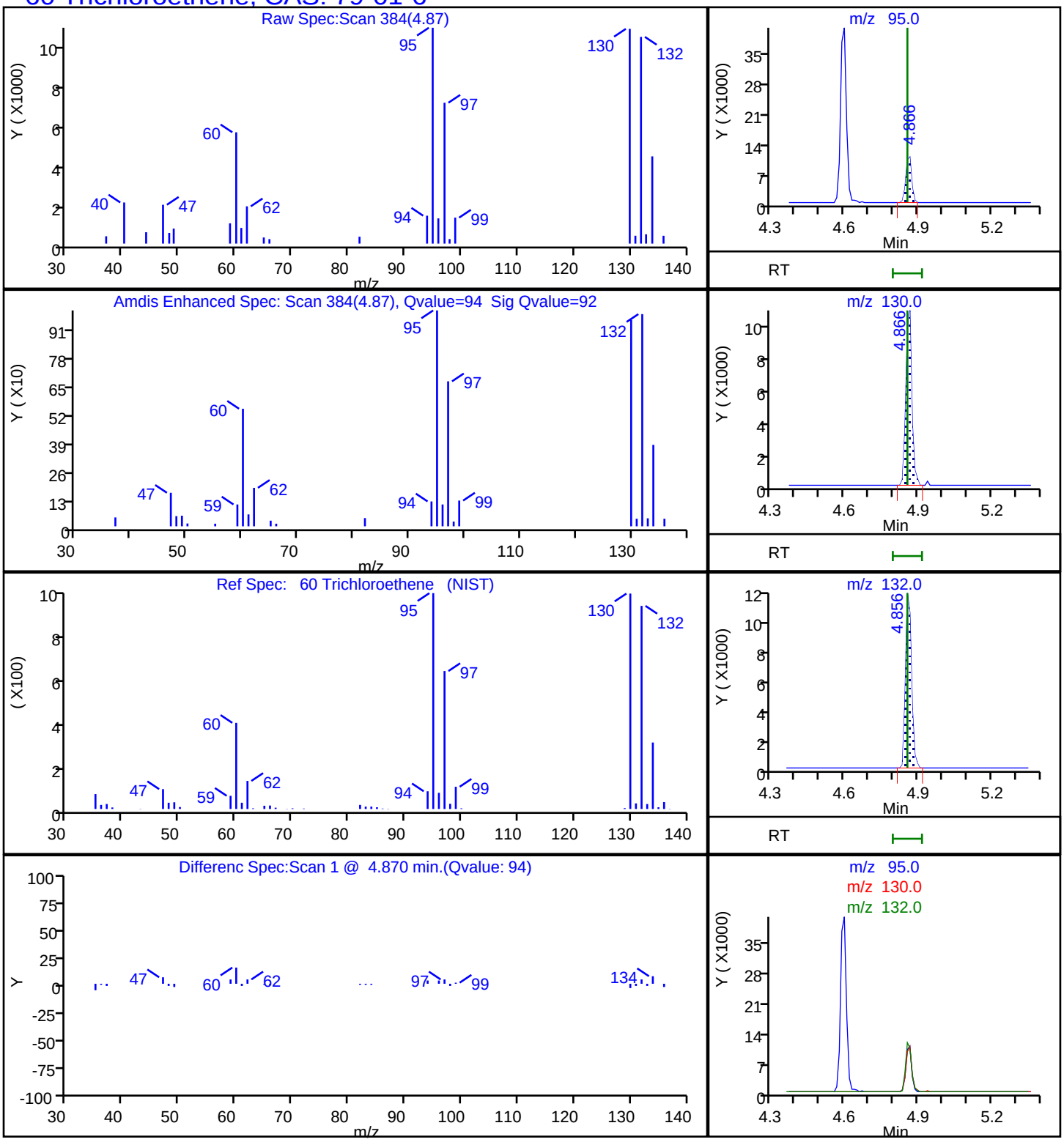
79 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9276.D				
Injection Date:	25-Nov-2020 15:15:30	Instrument ID:	HP5975T		
Lims ID:	480-178383-B-2	Lab Sample ID:	480-178383-2		
Client ID:	DUP-111720				
Operator ID:	LH	ALS Bottle#:	33	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6



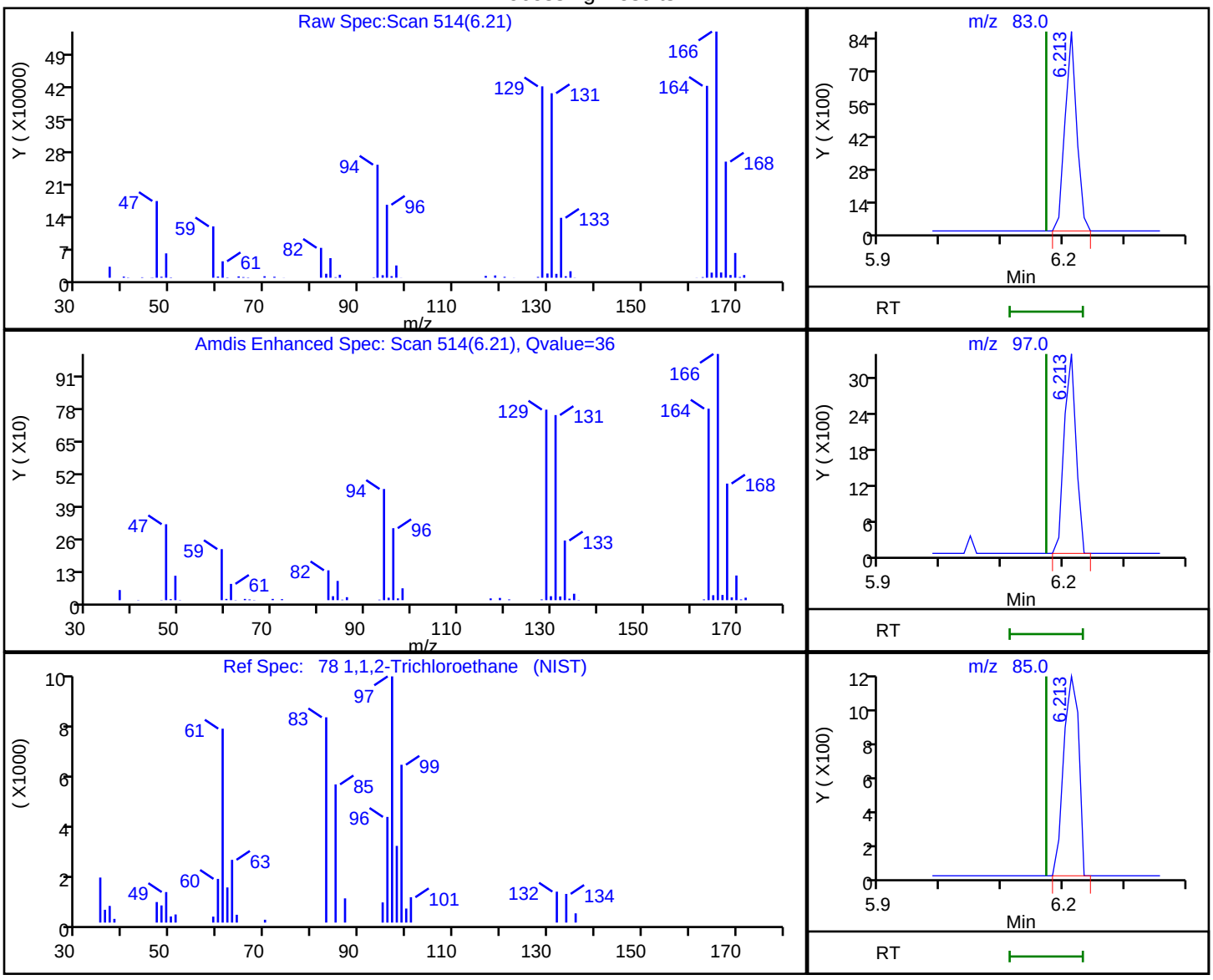
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9276.D				
Injection Date:	25-Nov-2020 15:15:30	Instrument ID:	HP5975T		
Lims ID:	480-178383-B-2	Lab Sample ID:	480-178383-2		
Client ID:	DUP-111720				
Operator ID:	LH	ALS Bottle#:	33	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.21	83.00	11398	1.437108
6.21	97.00	4552	
6.21	85.00	1909	

Reviewer: HillL, 26-Nov-2020 09:53:55

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-25S Lab Sample ID: 480-178383-3

Matrix: Water Lab File ID: N7767.D

Analysis Method: 8260C Date Collected: 11/17/2020 10:20

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 14:59

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560828 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5
75-34-3	1,1-Dichloroethane	ND		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
591-78-6	2-Hexanone	ND		40	9.9
78-93-3	2-Butanone (MEK)	ND		80	11
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Bromodichloromethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
124-48-1	Dibromochloromethane	ND		8.0	2.6
75-00-3	Chloroethane	ND		8.0	2.6
67-66-3	Chloroform	ND		8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	110		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4
100-41-4	Ethylbenzene	ND		8.0	5.9
98-82-8	Isopropylbenzene	ND		8.0	6.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-25S Lab Sample ID: 480-178383-3

Matrix: Water Lab File ID: N7767.D

Analysis Method: 8260C Date Collected: 11/17/2020 10:20

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 14:59

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560828 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	ND		8.0	3.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	370		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	ND		8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	32		8.0	3.7
75-69-4	Trichlorofluoromethane	ND		8.0	7.0
75-01-4	Vinyl chloride	ND		8.0	7.2
1330-20-7	Xylenes, Total	ND		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7767.D
Lims ID: 480-178383-B-3
Client ID: MW-25S
Sample Type: Client
Inject. Date: 25-Nov-2020 14:59:30 ALS Bottle#: 9 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 8.0000
Sample Info: 480-178383-B-3
Misc. Info.: 480-0095244-016
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Nov-2020 10:33:43 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: HillL Date: 26-Nov-2020 10:33:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	145156	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.585	0.000	91	541636	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	297507	25.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	96	286390	25.5	
$ 6 Toluene-d8 (Surr)	98	7.089	7.088	0.001	95	720264	26.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	93	237777	26.1	
11 Dichlorodifluoromethane	85		1.309				ND	
13 Chloromethane	50		1.498				ND	
14 Vinyl chloride	62		1.607				ND	
15 Bromomethane	94		1.905				ND	
16 Chloroethane	64		2.003				ND	
18 Trichlorofluoromethane	101		2.240				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.757				ND	
22 1,1-Dichloroethene	96		2.763				ND	
23 Acetone	43		2.891				ND	
25 Carbon disulfide	76		2.964				ND	
28 Methyl acetate	43		3.189				ND	
30 Methylene Chloride	84		3.292				ND	7
32 Methyl tert-butyl ether	73		3.511				ND	
33 trans-1,2-Dichloroethene	96	3.530	3.530	0.000	32	1516	0.2003	
36 1,1-Dichloroethane	63		3.955				ND	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	87	121713	14.1	
44 2-Butanone (MEK)	43		4.552				ND	
50 Chloroform	83		4.831				ND	
51 1,1,1-Trichloroethane	97		4.947				ND	
52 Cyclohexane	56		4.953				ND	
53 Carbon tetrachloride	117		5.081				ND	
55 Benzene	78		5.306				ND	
57 1,2-Dichloroethane	62		5.373				ND	
60 Trichloroethene	95	5.921	5.914	0.007	92	31874	3.98	
62 Methylcyclohexane	83		6.036				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.158				ND	
67 Dichlorobromomethane	83		6.450				ND	
71 cis-1,3-Dichloropropene	75		6.869				ND	
72 4-Methyl-2-pentanone (MIBK)	58		7.009				ND	U
73 Toluene	92		7.155				ND	
75 trans-1,3-Dichloropropene	75		7.435				ND	
78 1,1,2-Trichloroethane	83		7.630				ND	U
79 Tetrachloroethene	166	7.691	7.691	0.000	95	412232	46.2	
82 2-Hexanone	43		7.855				ND	
83 Chlorodibromomethane	129		8.031				ND	
84 Ethylene Dibromide	107		8.135				ND	
85 Chlorobenzene	112		8.609				ND	
88 Ethylbenzene	91		8.701				ND	
90 m-Xylene & p-Xylene	106		8.822				ND	
91 o-Xylene	106		9.254				ND	
92 Styrene	104		9.285				ND	
93 Bromoform	173		9.534				ND	
95 Isopropylbenzene	105		9.631				ND	
98 1,1,2,2-Tetrachloroethane	83		10.033				ND	
110 1,3-Dichlorobenzene	146		10.891				ND	
113 1,4-Dichlorobenzene	146		10.982				ND	
116 1,2-Dichlorobenzene	146		11.329				ND	
117 1,2-Dibromo-3-Chloropropane	75		12.053				ND	
119 1,2,4-Trichlorobenzene	180		12.728				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00202	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent

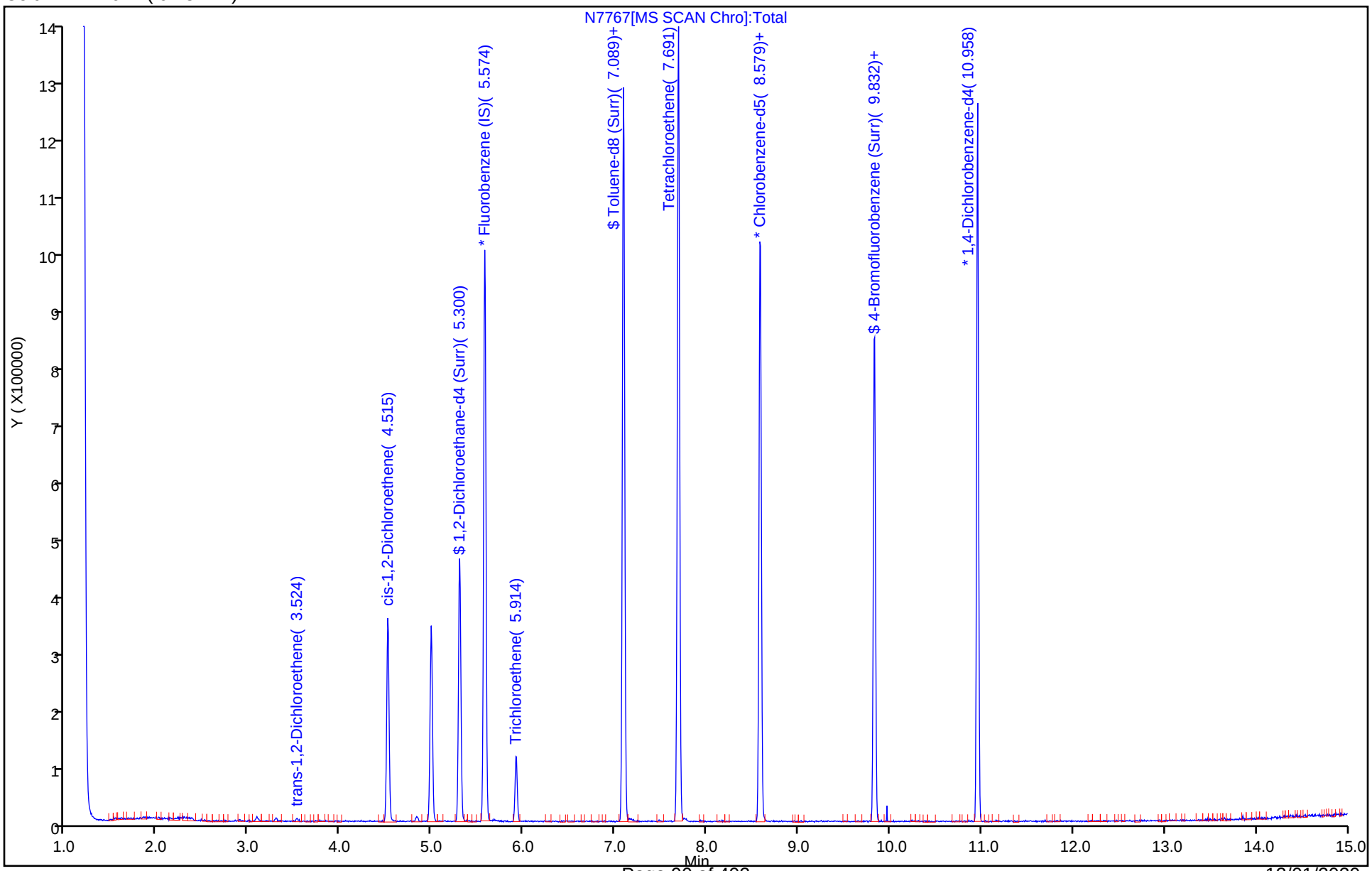
Report Date: 26-Nov-2020 10:33:44 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7767.D

Injection Date:	25-Nov-2020 14:59:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-178383-B-3	Lab Sample ID:	480-178383-3	Worklist Smp#:	16
Client ID:	MW-25S				
Purge Vol:	5.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	9
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



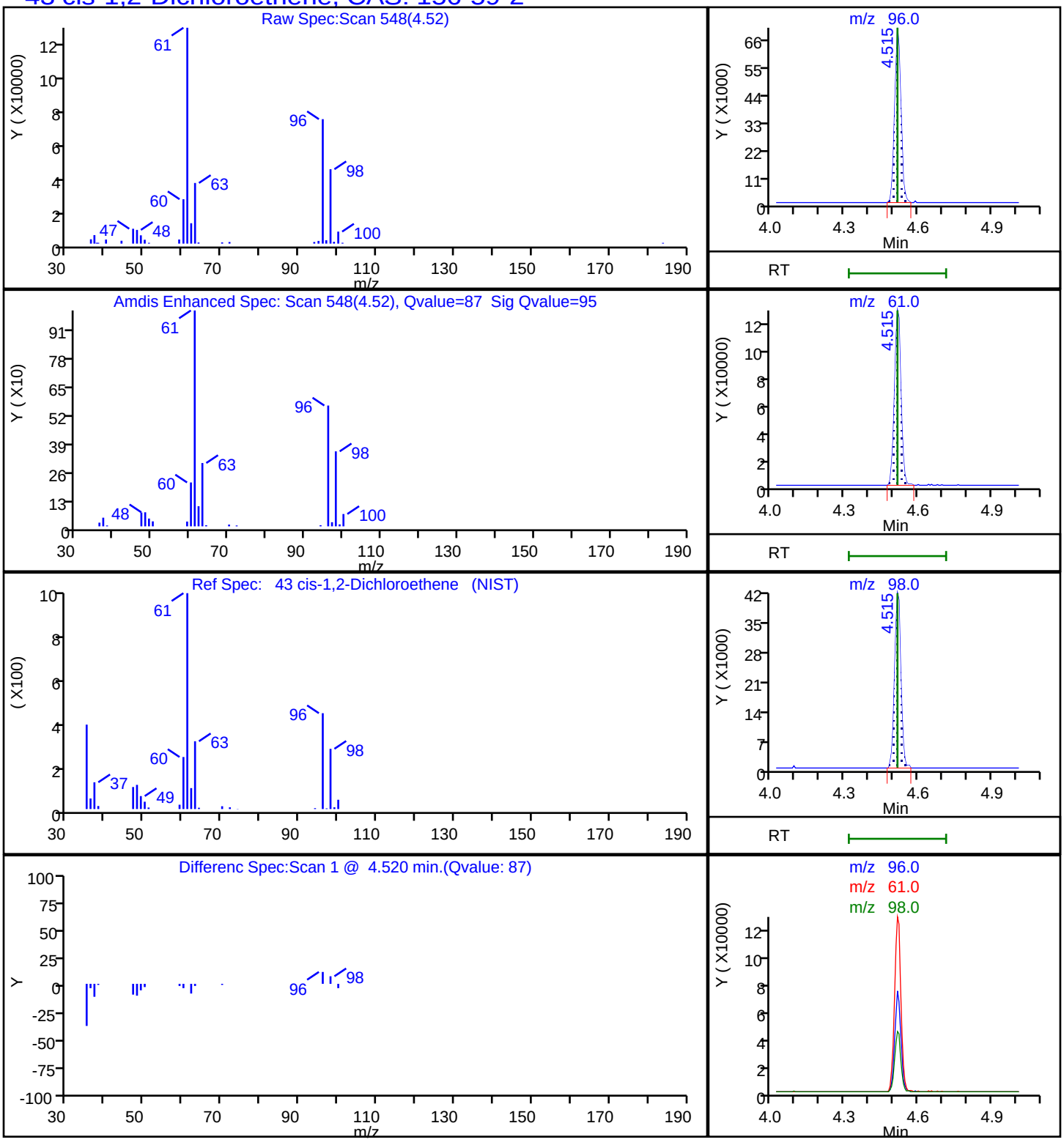
Report Date: 26-Nov-2020 10:33:44 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7767.D

Injection Date:	25-Nov-2020 14:59:30	Instrument ID:	HP5973N		
Lims ID:	480-178383-B-3	Lab Sample ID:	480-178383-3		
Client ID:	MW-25S				
Operator ID:	AM	ALS Bottle#:	9	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

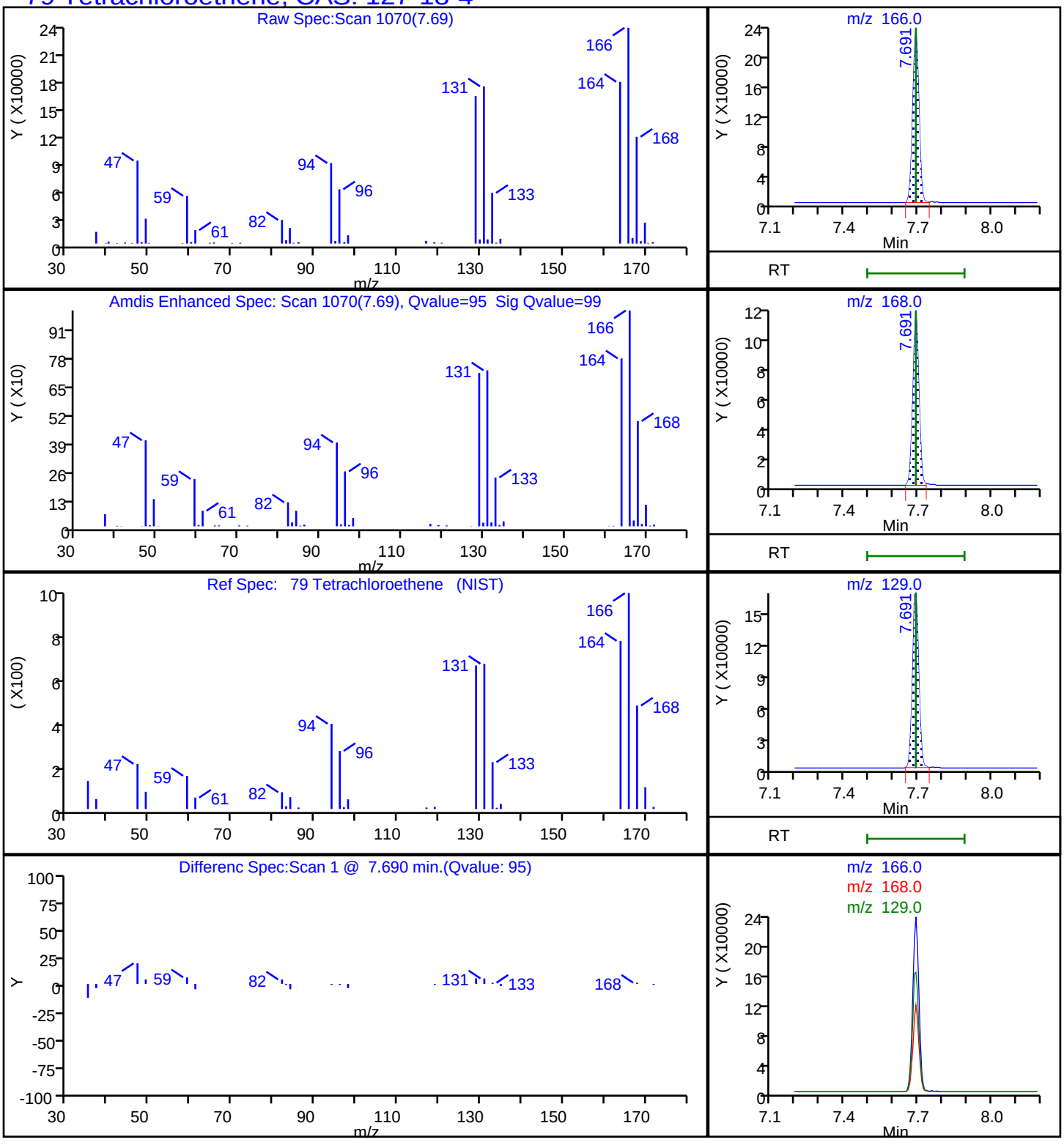
43 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7767.D		
Injection Date:	25-Nov-2020 14:59:30	Instrument ID:	HP5973N
Lims ID:	480-178383-B-3	Lab Sample ID:	480-178383-3
Client ID:	MW-25S		
Operator ID:	AM	ALS Bottle#:	9 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

79 Tetrachloroethene, CAS: 127-18-4



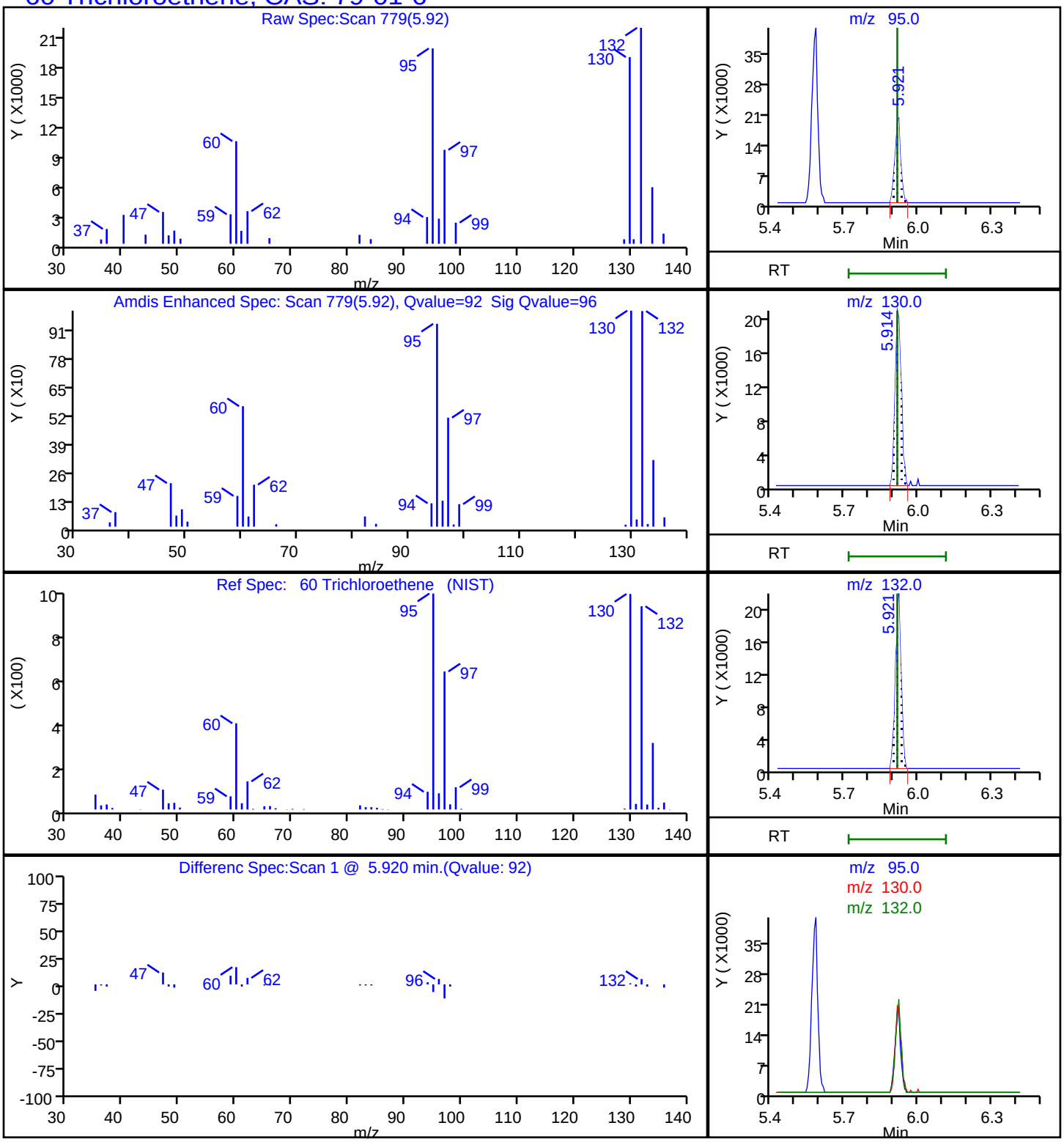
Report Date: 26-Nov-2020 10:33:44 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7767.D

Injection Date:	25-Nov-2020 14:59:30	Instrument ID:	HP5973N
Lims ID:	480-178383-B-3	Lab Sample ID:	480-178383-3
Client ID:	MW-25S		
Operator ID:	AM	ALS Bottle#:	9 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

60 Trichloroethene, CAS: 79-01-6



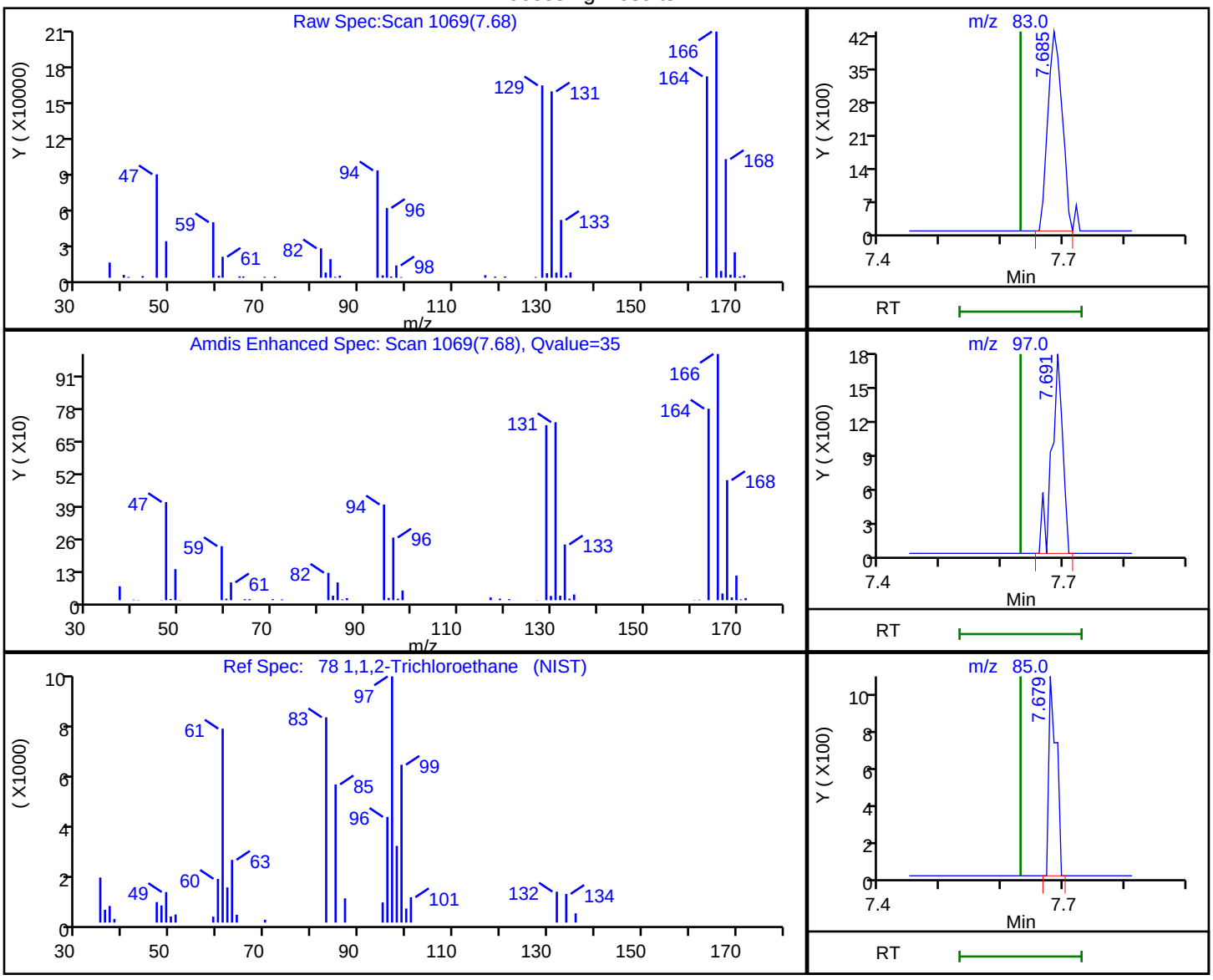
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7767.D				
Injection Date:	25-Nov-2020 14:59:30	Instrument ID:	HP5973N		
Lims ID:	480-178383-B-3	Lab Sample ID:	480-178383-3		
Client ID:	MW-25S				
Operator ID:	AM	ALS Bottle#:	9	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.68	83.00	6943	1.264265
7.69	97.00	2103	
7.68	85.00	904	

Reviewer: HillL, 26-Nov-2020 10:33:38

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

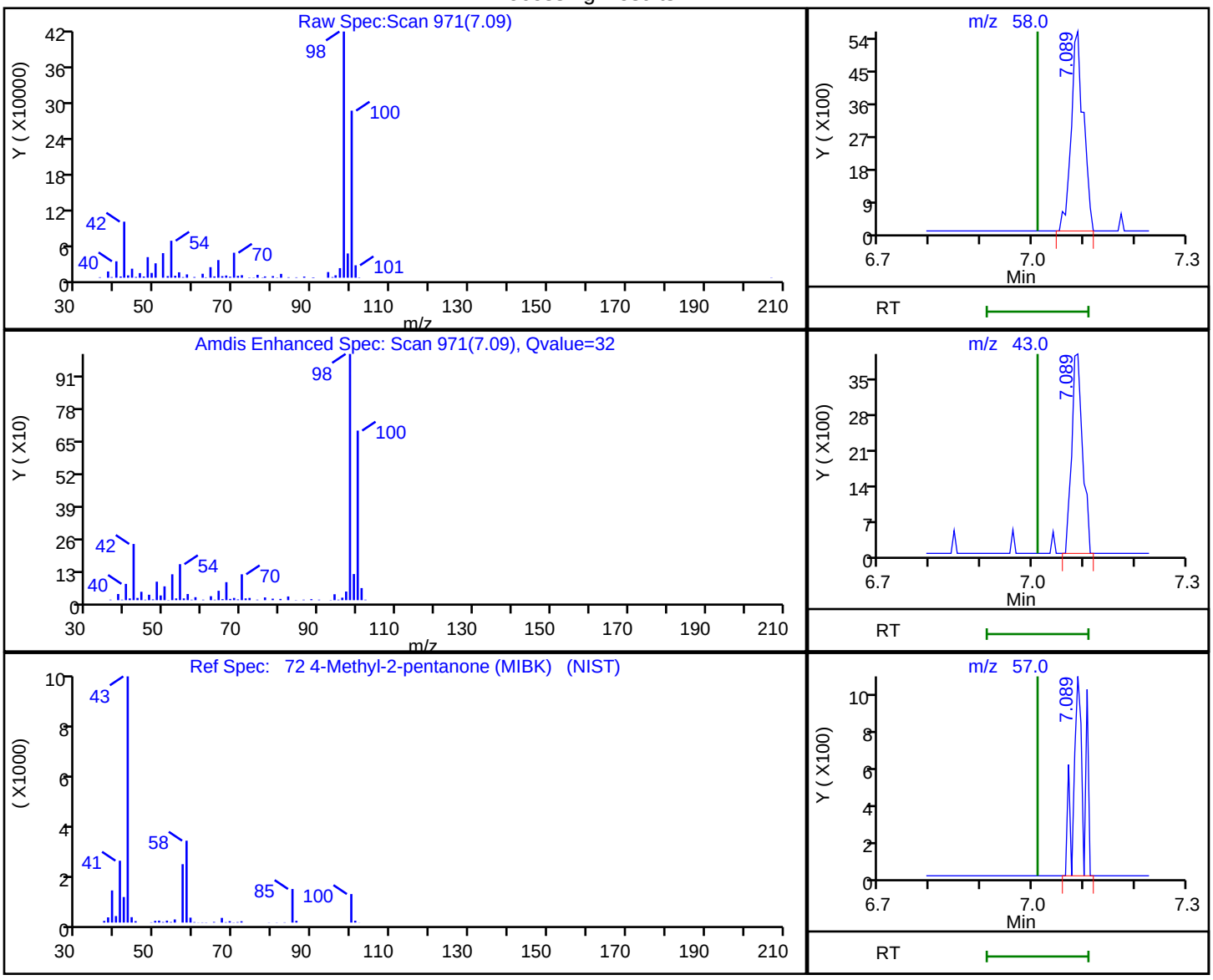
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7767.D				
Injection Date:	25-Nov-2020 14:59:30	Instrument ID:	HP5973N		
Lims ID:	480-178383-B-3	Lab Sample ID:	480-178383-3		
Client ID:	MW-25S				
Operator ID:	AM	ALS Bottle#:	9	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

72 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.09	58.00	9351	1.719139
7.09	43.00	5809	
7.09	57.00	1440	

Reviewer: HillL, 26-Nov-2020 10:33:33

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-27S Lab Sample ID: 480-178383-4

Matrix: Water Lab File ID: S4704.D

Analysis Method: 8260C Date Collected: 11/17/2020 11:35

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 14:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.62	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-27S Lab Sample ID: 480-178383-4

Matrix: Water Lab File ID: S4704.D

Analysis Method: 8260C Date Collected: 11/17/2020 11:35

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 14:03

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	25		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	0.62	J	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4704.D
Lims ID: 480-178383-B-4
Client ID: MW-27S
Sample Type: Client
Inject. Date: 25-Nov-2020 14:03:30 ALS Bottle#: 10 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-178383-B-4
Misc. Info.: 480-0095243-017
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2020 21:14:11 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1608

First Level Reviewer: izquierdoo Date: 27-Nov-2020 21:14:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.345	0.001	99	140546	25.0	
* 2 Chlorobenzene-d5	82	8.333	8.333	0.000	88	303089	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.730	10.729	0.001	96	283405	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	99	131062	27.3	
$ 5 Toluene-d8 (Surr)	98	6.854	6.859	0.000	94	740759	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.599	0.000	88	221073	23.9	
10 Dichlorodifluoromethane	85		1.227				ND	
12 Chloromethane	50		1.403				ND	7
13 Vinyl chloride	62		1.495				ND	
14 Bromomethane	94		1.781				ND	
15 Chloroethane	64		1.866				ND	U
17 Trichlorofluoromethane	101		2.085				ND	
22 1,1-Dichloroethene	96		2.571				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.571				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.766				ND	
27 Methyl acetate	43		2.997				ND	
30 Methylene Chloride	84		3.095				ND	7
32 Methyl tert-butyl ether	73		3.307				ND	
34 trans-1,2-Dichloroethene	96		3.320				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96	4.305	4.299	0.006	14	4212	0.4142	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83	4.610	4.609	0.001	70	10534	0.6231	
52 Cyclohexane	56		4.719				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
55 Carbon tetrachloride	117		4.853				ND	
57 Benzene	78		5.072				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95	5.680	5.698	0.000	45	5810	0.6192	
64 Methylcyclohexane	83		5.802				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.923				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.635				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.781				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166	7.451	7.450	0.007	98	240294	24.9	
80 2-Hexanone	43		7.621				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.888				ND	
87 Chlorobenzene	112		8.363				ND	
88 Ethylbenzene	91		8.454				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.002				ND	
92 Styrene	104		9.032				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.799				ND	
111 1,3-Dichlorobenzene	146		10.663				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.506				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00341	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00375	Amount Added:	1.00	Units: uL	Run Reagent

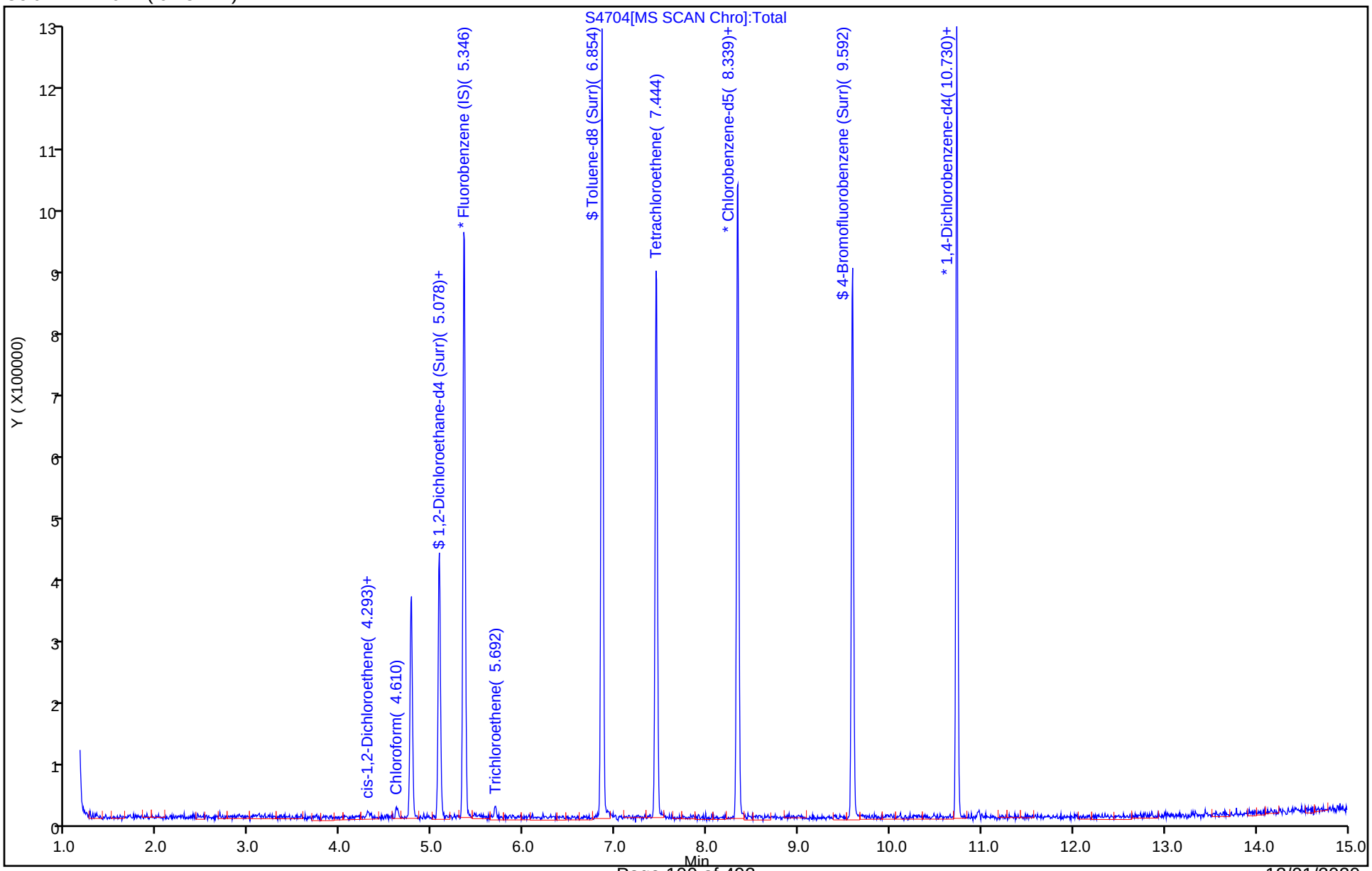
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4704.D

Injection Date:	25-Nov-2020 14:03:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-178383-B-4	Lab Sample ID:	480-178383-4	Worklist Smp#:	17
Client ID:	MW-27S				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

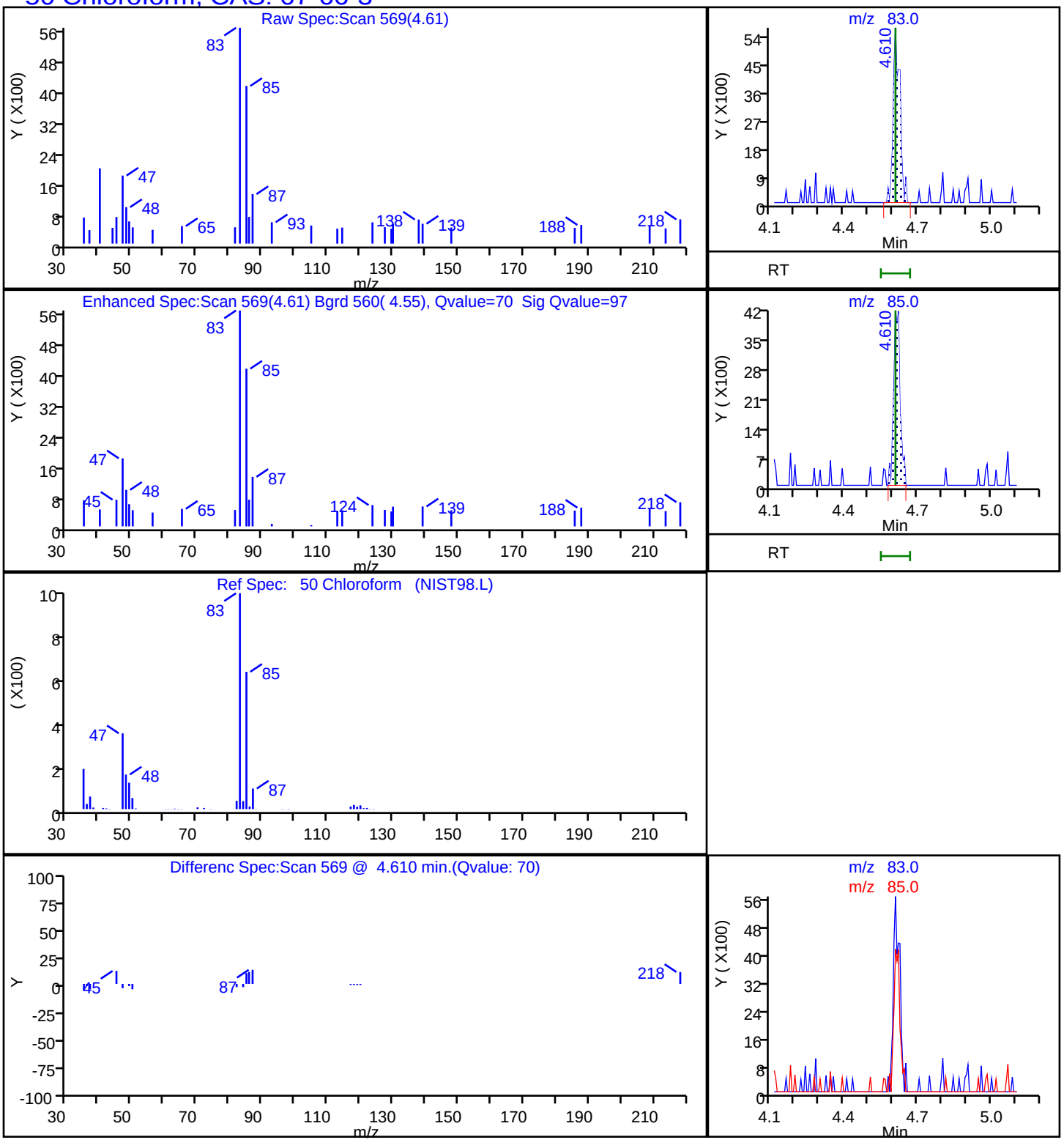
Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4704.D				
Injection Date:	25-Nov-2020 14:03:30	Instrument ID:	HP5973S		
Lims ID:	480-178383-B-4	Lab Sample ID:	480-178383-4		
Client ID:	MW-27S				
Operator ID:	AM	ALS Bottle#:	10	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

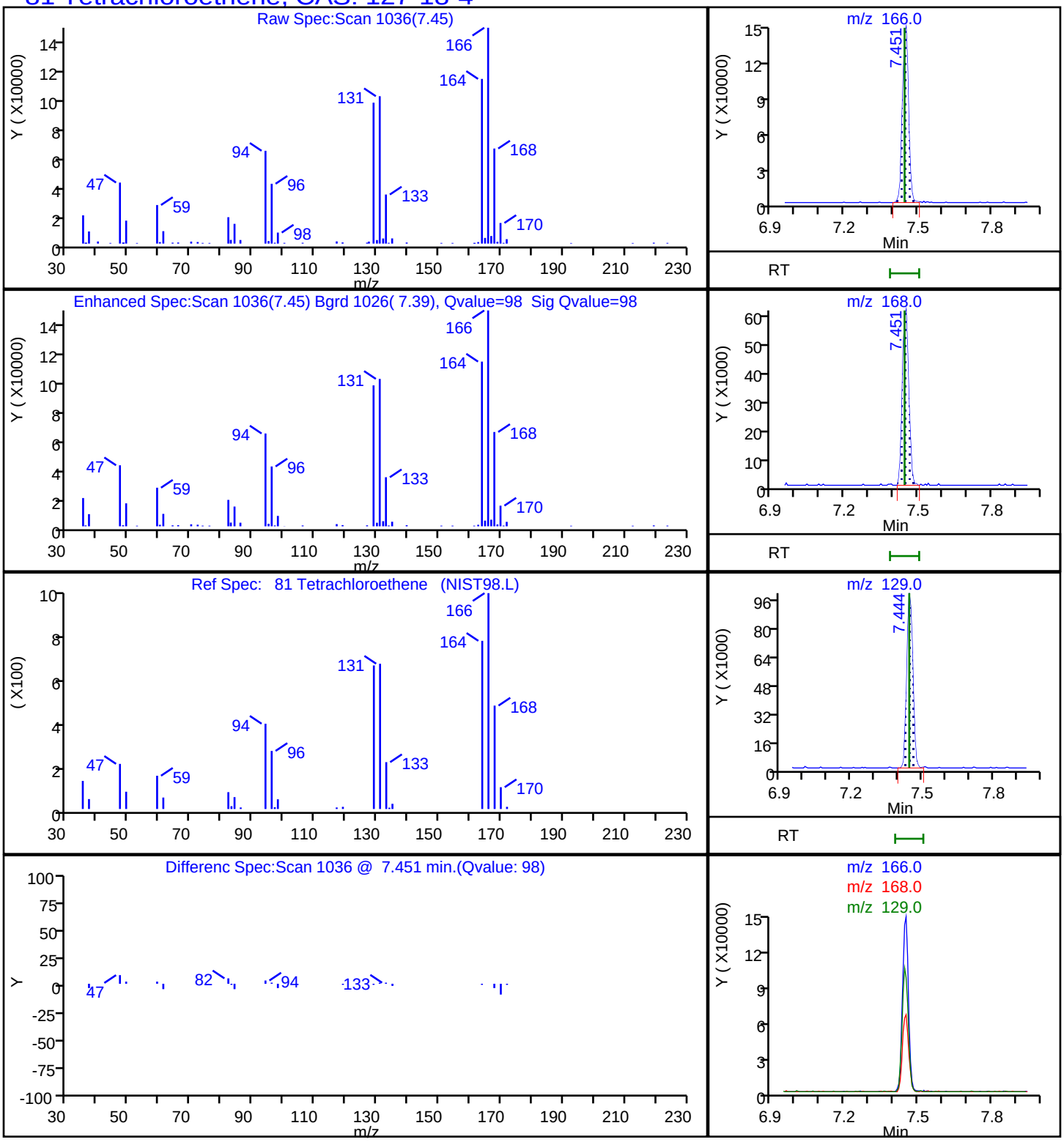
50 Chloroform, CAS: 67-66-3



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4704.D		
Injection Date:	25-Nov-2020 14:03:30	Instrument ID:	HP5973S
Lims ID:	480-178383-B-4	Lab Sample ID:	480-178383-4
Client ID:	MW-27S		
Operator ID:	AM	ALS Bottle#:	10 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

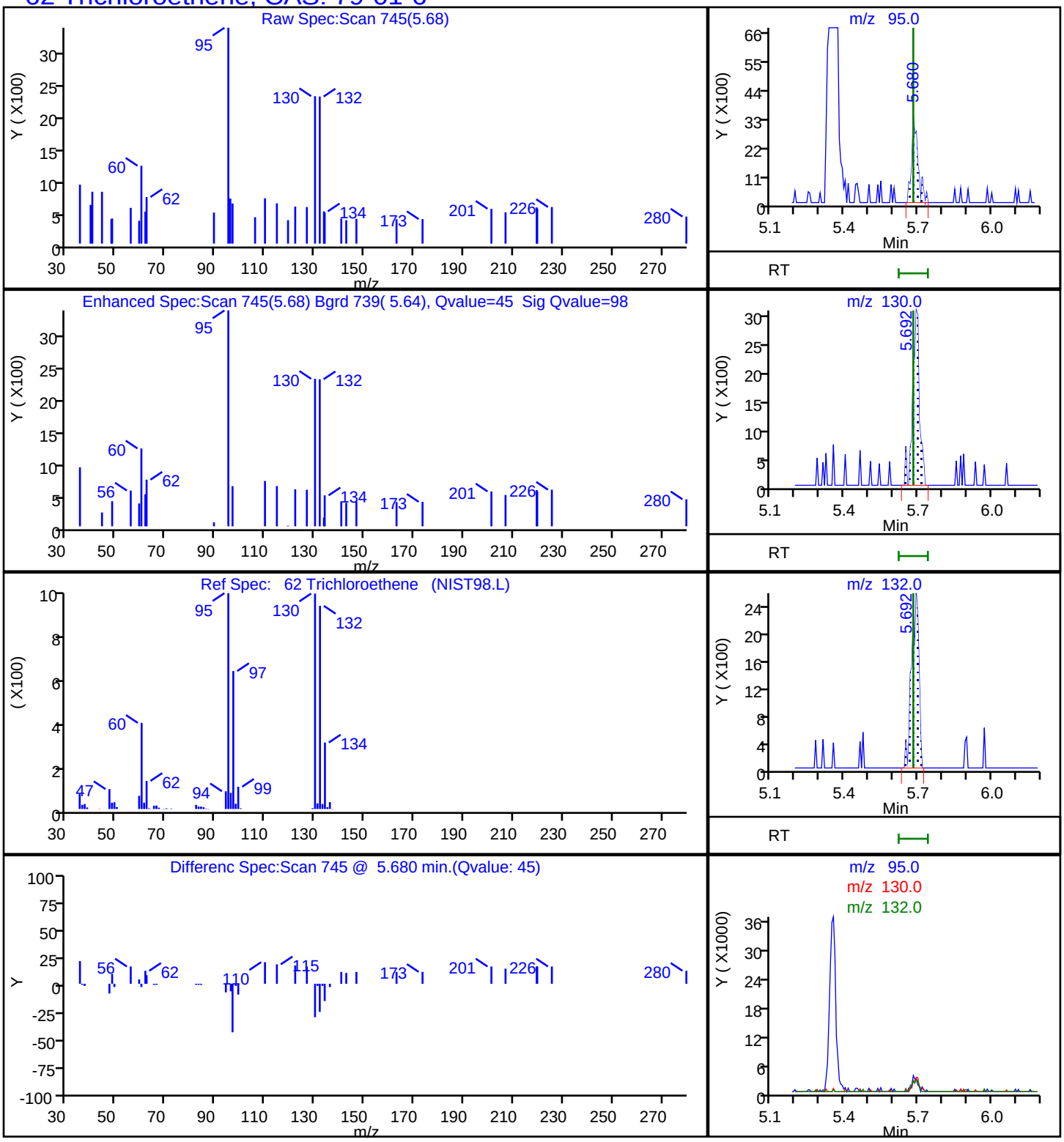
81 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4704.D		
Injection Date:	25-Nov-2020 14:03:30	Instrument ID:	HP5973S
Lims ID:	480-178383-B-4	Lab Sample ID:	480-178383-4
Client ID:	MW-27S		
Operator ID:	AM	ALS Bottle#:	10 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6



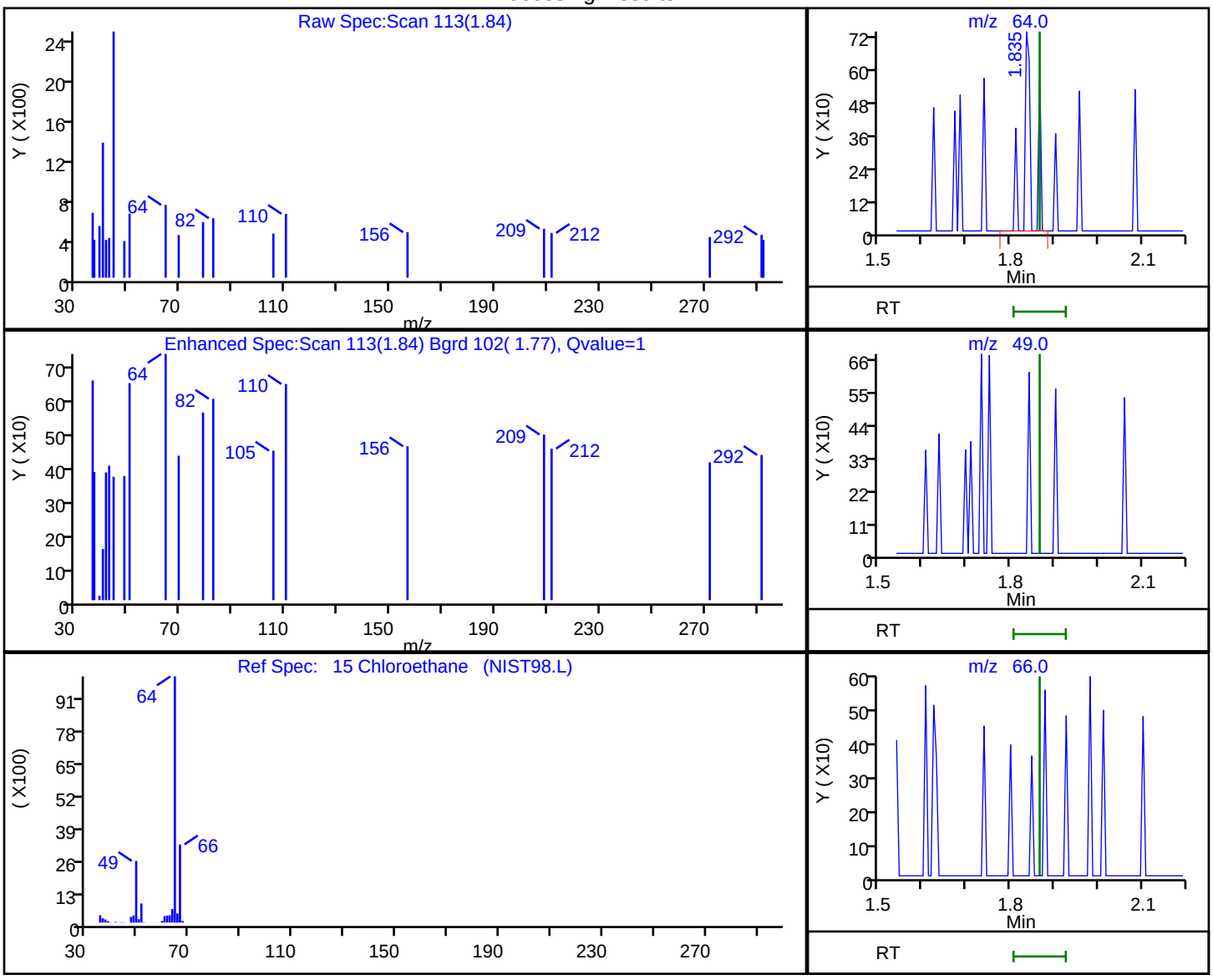
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4704.D				
Injection Date:	25-Nov-2020 14:03:30	Instrument ID:	HP5973S		
Lims ID:	480-178383-B-4	Lab Sample ID:	480-178383-4		
Client ID:	MW-27S				
Operator ID:	AM	ALS Bottle#:	10	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

15 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.84	64.00	860	0.129903
1.87	49.00	0	
1.87	66.00	0	

Reviewer: izquierdoo, 27-Nov-2020 21:14:04

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-24D Lab Sample ID: 480-178383-5

Matrix: Water Lab File ID: S4705.D

Analysis Method: 8260C Date Collected: 11/17/2020 12:45

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 14:26

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		10	3.1
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
106-93-4	1,2-Dibromoethane	ND		10	7.3
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
591-78-6	2-Hexanone	ND		50	12
78-93-3	2-Butanone (MEK)	ND		100	13
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
124-48-1	Dibromochloromethane	ND		10	3.2
75-00-3	Chloroethane	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	180		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4
98-82-8	Isopropylbenzene	ND		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-24D Lab Sample ID: 480-178383-5

Matrix: Water Lab File ID: S4705.D

Analysis Method: 8260C Date Collected: 11/17/2020 12:45

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 14:26

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	320		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	120		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	ND		10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4705.D
Lims ID: 480-178383-B-5
Client ID: MW-24D
Sample Type: Client
Inject. Date: 25-Nov-2020 14:26:30 ALS Bottle#: 11 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-178383-B-5
Misc. Info.: 480-0095243-018
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2020 21:15:01 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1608

First Level Reviewer: izquierdoo Date: 27-Nov-2020 21:15:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.345	0.001	98	143597	25.0	
* 2 Chlorobenzene-d5	82	8.333	8.333	0.000	88	296975	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.730	10.729	0.001	97	275556	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	91	134820	27.5	
$ 5 Toluene-d8 (Surr)	98	6.854	6.859	0.000	95	720762	24.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.599	0.000	88	210852	23.3	
10 Dichlorodifluoromethane	85		1.227				ND	7
12 Chloromethane	50		1.403				ND	7
13 Vinyl chloride	62		1.495				ND	
14 Bromomethane	94		1.781				ND	7
15 Chloroethane	64		1.866				ND	
17 Trichlorofluoromethane	101		2.085				ND	
22 1,1-Dichloroethene	96		2.571				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.571				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.766				ND	
27 Methyl acetate	43		2.997				ND	
30 Methylene Chloride	84		3.095				ND	Ua
32 Methyl tert-butyl ether	73		3.307				ND	
34 trans-1,2-Dichloroethene	96		3.320				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	83	182751	17.6	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.609				ND	Ua
52 Cyclohexane	56		4.719				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
55 Carbon tetrachloride	117		4.853				ND	
57 Benzene	78		5.072				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95	5.686	5.698	0.006	94	118034	12.3	
64 Methylcyclohexane	83		5.802				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.923				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.635				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.781				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166	7.451	7.450	0.007	96	300021	31.7	
80 2-Hexanone	43		7.621				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.888				ND	
87 Chlorobenzene	112		8.363				ND	
88 Ethylbenzene	91		8.454				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.002				ND	
92 Styrene	104		9.032				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.799				ND	
111 1,3-Dichlorobenzene	146		10.663				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	U
119 1,2,4-Trichlorobenzene	180		12.506				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

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

Reagents:

S_8260_IS_00341	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00375	Amount Added:	1.00	Units: uL	Run Reagent

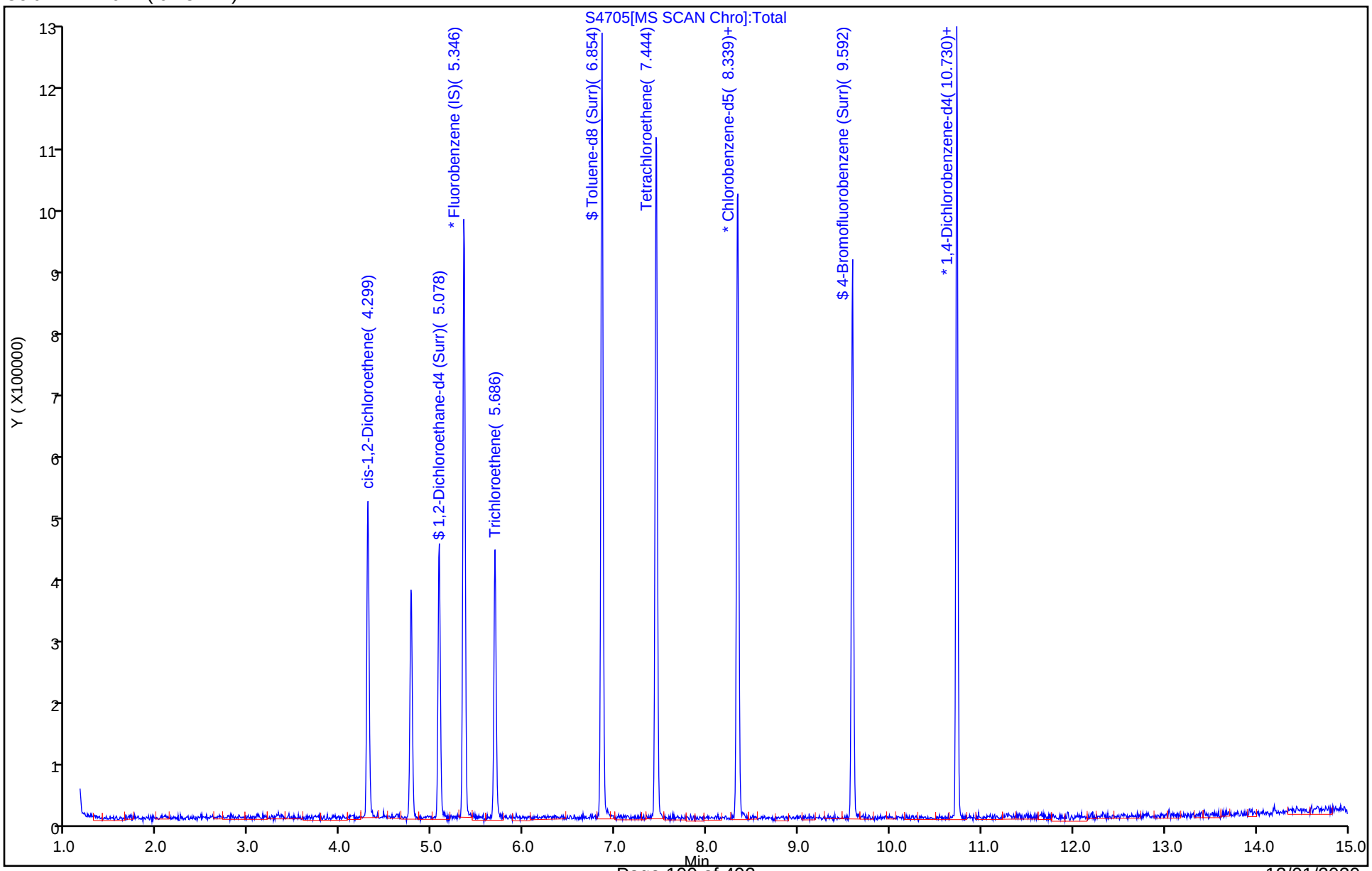
Report Date: 27-Nov-2020 21:15:01 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4705.D

Injection Date:	25-Nov-2020 14:26:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-178383-B-5	Lab Sample ID:	480-178383-5	Worklist Smp#:	18
Client ID:	MW-24D				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



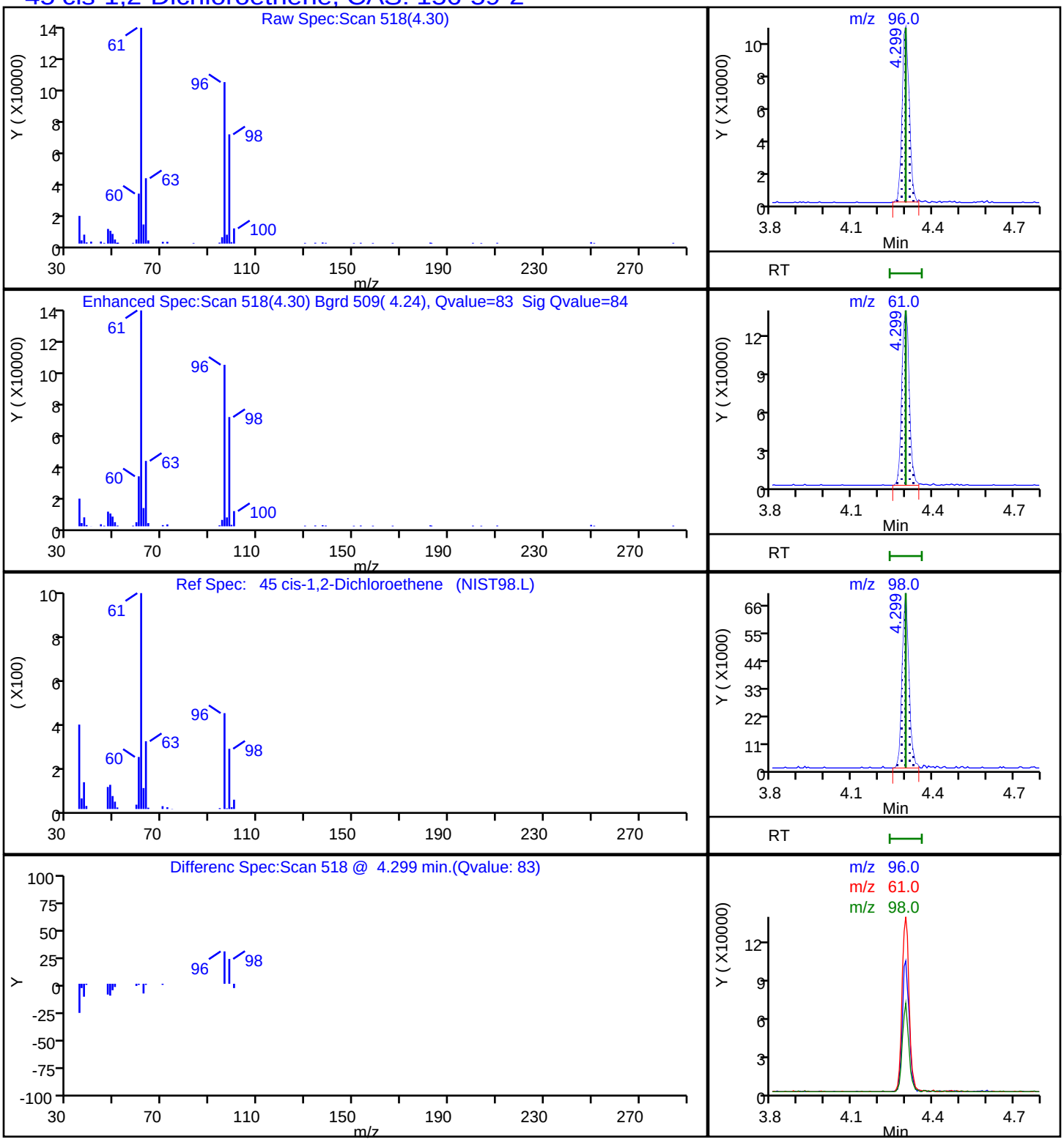
Report Date: 27-Nov-2020 21:15:01 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4705.D

Injection Date:	25-Nov-2020 14:26:30	Instrument ID:	HP5973S		
Lims ID:	480-178383-B-5	Lab Sample ID:	480-178383-5		
Client ID:	MW-24D				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

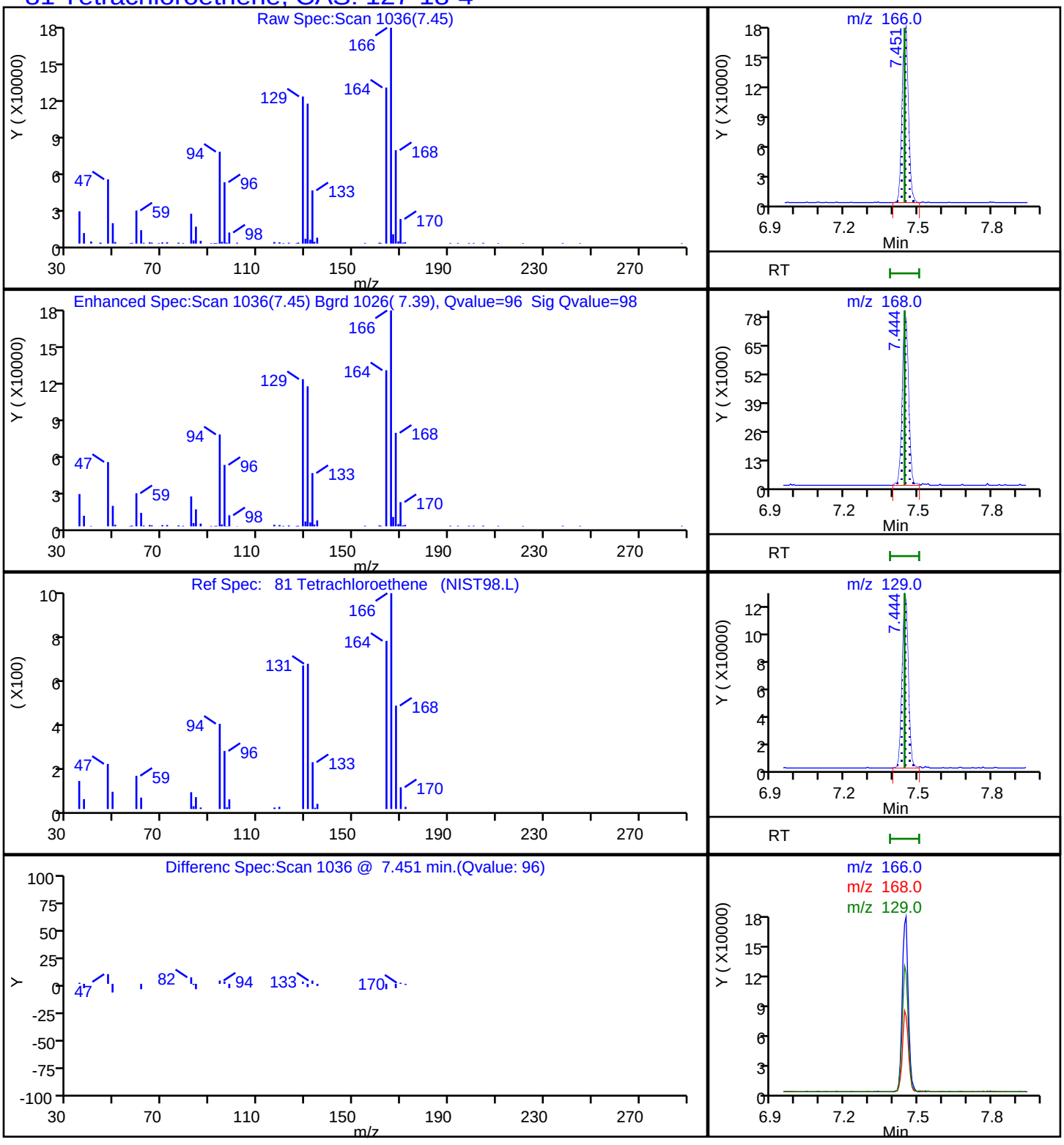
45 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4705.D				
Injection Date:	25-Nov-2020 14:26:30	Instrument ID:	HP5973S		
Lims ID:	480-178383-B-5	Lab Sample ID:	480-178383-5		
Client ID:	MW-24D				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

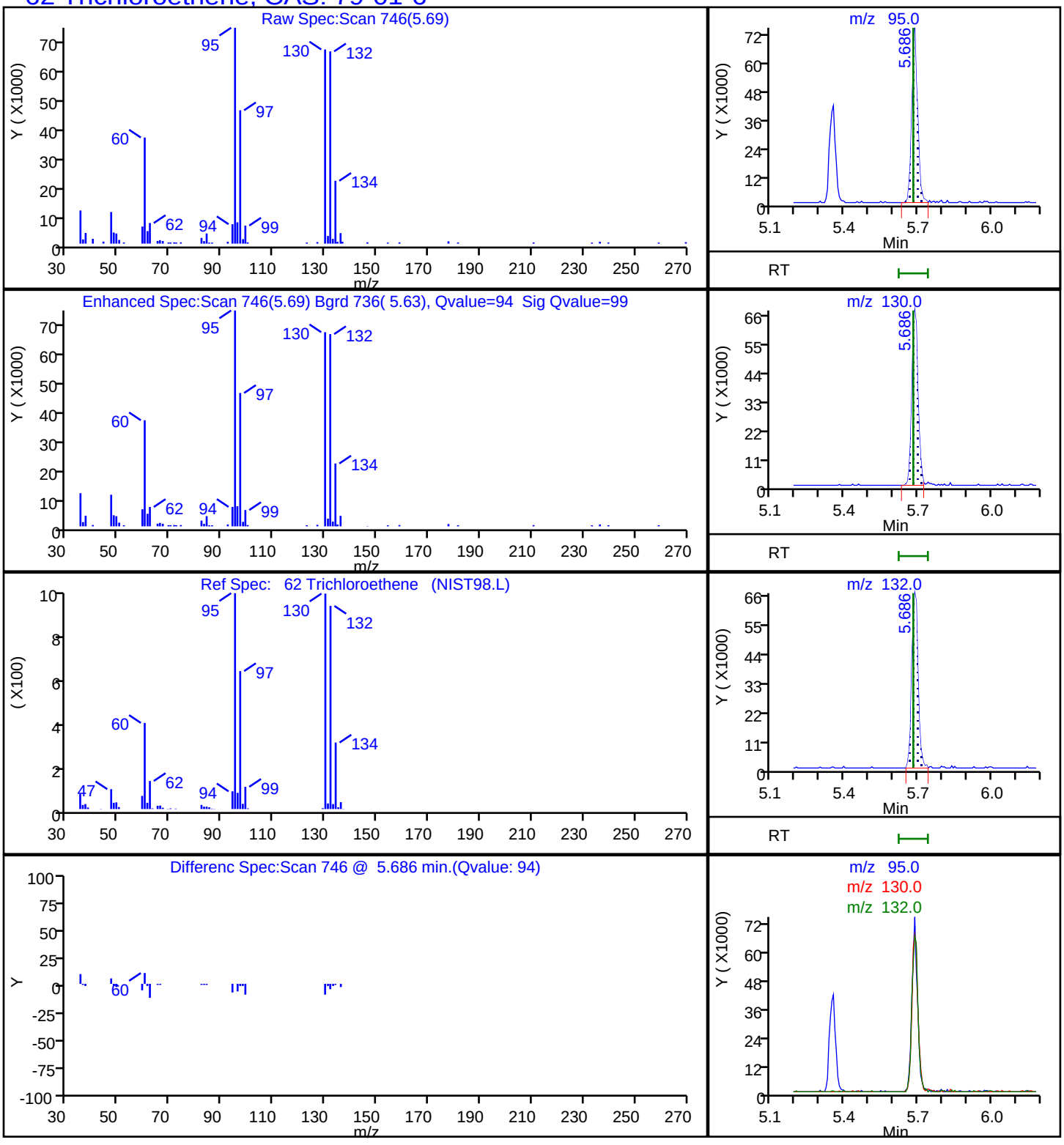
81 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4705.D				
Injection Date:	25-Nov-2020 14:26:30	Instrument ID:	HP5973S		
Lims ID:	480-178383-B-5	Lab Sample ID:	480-178383-5		
Client ID:	MW-24D				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



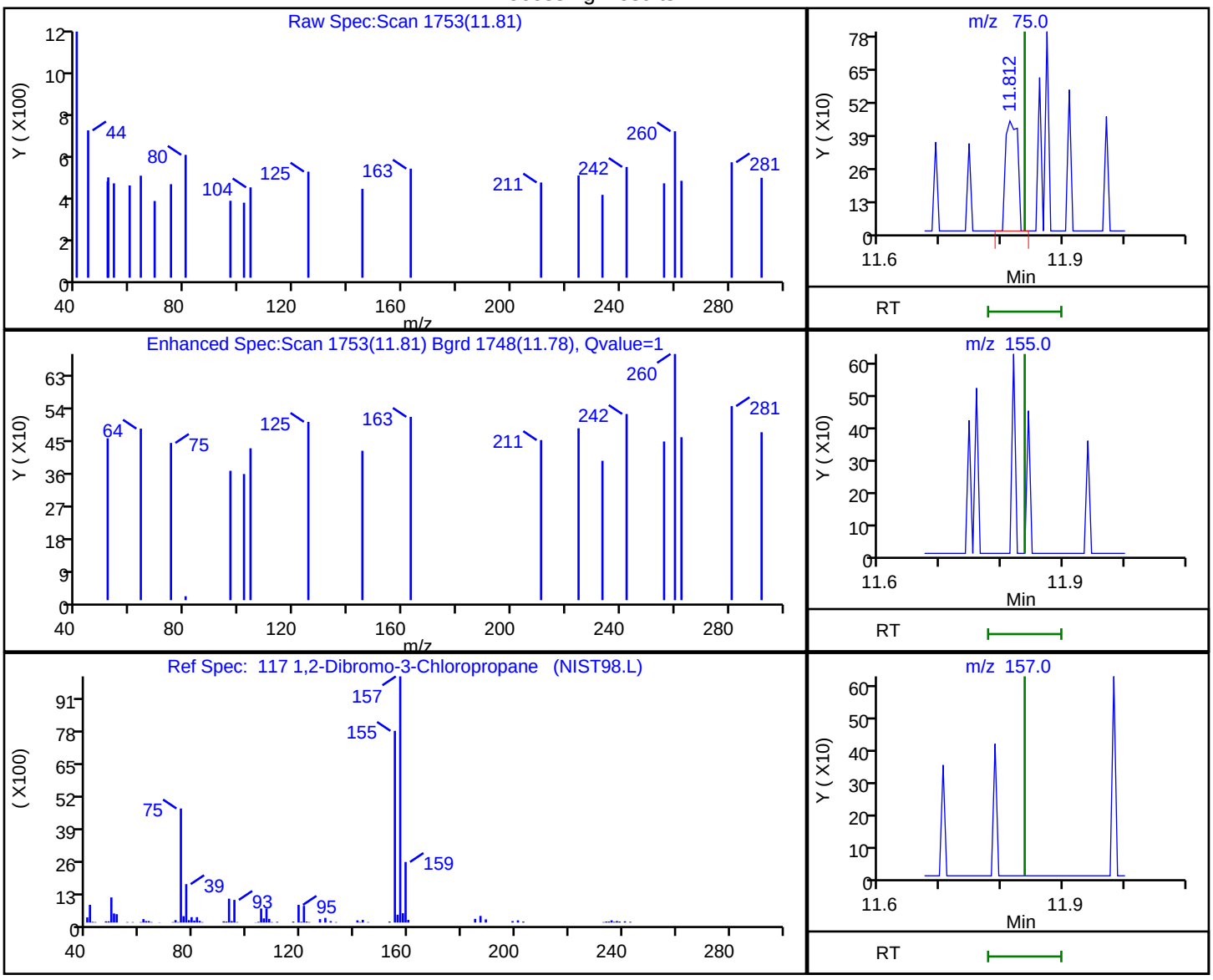
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4705.D				
Injection Date:	25-Nov-2020 14:26:30	Instrument ID:	HP5973S		
Lims ID:	480-178383-B-5	Lab Sample ID:	480-178383-5		
Client ID:	MW-24D				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
11.81	75.00	599	0.269928
11.84	155.00	0	
11.84	157.00	0	

Reviewer: izquierdoo, 27-Nov-2020 21:14:18

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

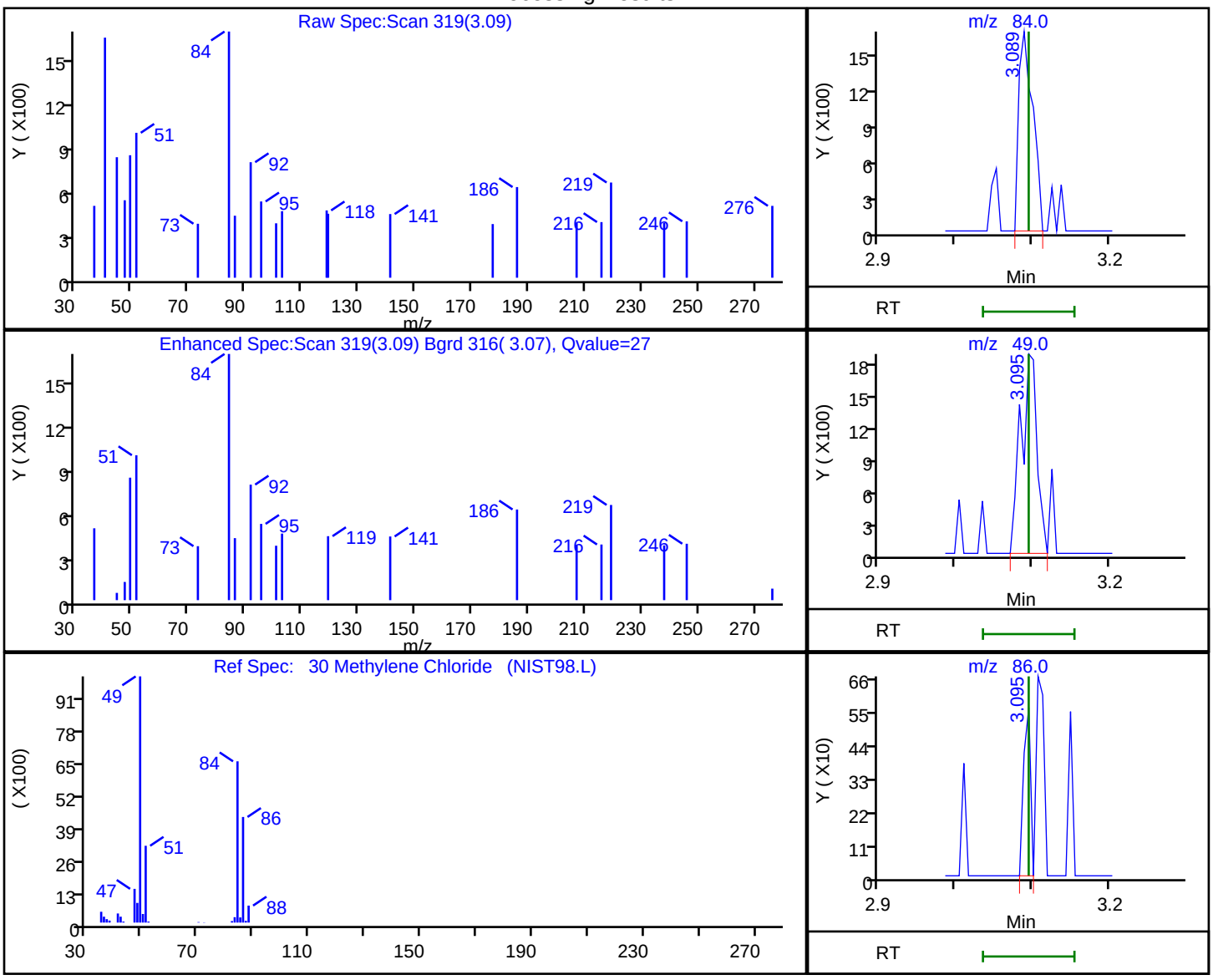
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4705.D				
Injection Date:	25-Nov-2020 14:26:30	Instrument ID:	HP5973S		
Lims ID:	480-178383-B-5	Lab Sample ID:	480-178383-5		
Client ID:	MW-24D				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.09	84.00	2077	-0.563661
3.09	49.00	2665	
3.09	86.00	353	

Reviewer: izquierdoo, 27-Nov-2020 21:14:51

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-23D Lab Sample ID: 480-178383-6

Matrix: Water Lab File ID: S4706.D

Analysis Method: 8260C Date Collected: 11/17/2020 14:00

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 14:49

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-23D Lab Sample ID: 480-178383-6

Matrix: Water Lab File ID: S4706.D

Analysis Method: 8260C Date Collected: 11/17/2020 14:00

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 14:49

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	1.4		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		77-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4706.D
Lims ID: 480-178383-B-6
Client ID: MW-23D
Sample Type: Client
Inject. Date: 25-Nov-2020 14:49:30 ALS Bottle#: 12 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-178383-B-6
Misc. Info.: 480-0095243-019
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2020 21:15:01 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1608

First Level Reviewer: izquierdoo Date: 27-Nov-2020 21:16:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.345	0.001	99	135386	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.333	0.006	87	299636	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.730	10.729	0.001	96	273864	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	99	133576	28.9	
$ 5 Toluene-d8 (Surr)	98	6.854	6.859	0.000	95	732300	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.599	0.000	86	212068	23.2	
10 Dichlorodifluoromethane	85		1.227				ND	
12 Chloromethane	50		1.403				ND	
13 Vinyl chloride	62		1.495				ND	
14 Bromomethane	94		1.781				ND	
15 Chloroethane	64		1.866				ND	
17 Trichlorofluoromethane	101		2.085				ND	
22 1,1-Dichloroethene	96		2.571				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.571				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.766				ND	
27 Methyl acetate	43		2.997				ND	
30 Methylene Chloride	84		3.095				ND	7
32 Methyl tert-butyl ether	73		3.307				ND	
34 trans-1,2-Dichloroethene	96		3.320				ND	
39 1,1-Dichloroethane	63		3.746				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83	4.616	4.609	0.007	30	3509	0.2155	
52 Cyclohexane	56		4.719				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
55 Carbon tetrachloride	117		4.853				ND	
57 Benzene	78		5.072				ND	
58 1,2-Dichloroethane	62		5.151				ND	
62 Trichloroethene	95		5.680				ND	
64 Methylcyclohexane	83		5.802				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.923				ND	
68 Dichlorobromomethane	83		6.222				ND	
72 cis-1,3-Dichloropropene	75		6.635				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.781				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166	7.451	7.450	0.007	72	13008	1.36	
80 2-Hexanone	43		7.621				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.888				ND	
87 Chlorobenzene	112		8.363				ND	
88 Ethylbenzene	91		8.454				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.002				ND	
92 Styrene	104		9.032				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.799				ND	
111 1,3-Dichlorobenzene	146		10.663				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	7
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.506				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

S_8260_IS_00341	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00375	Amount Added:	1.00	Units: uL	Run Reagent

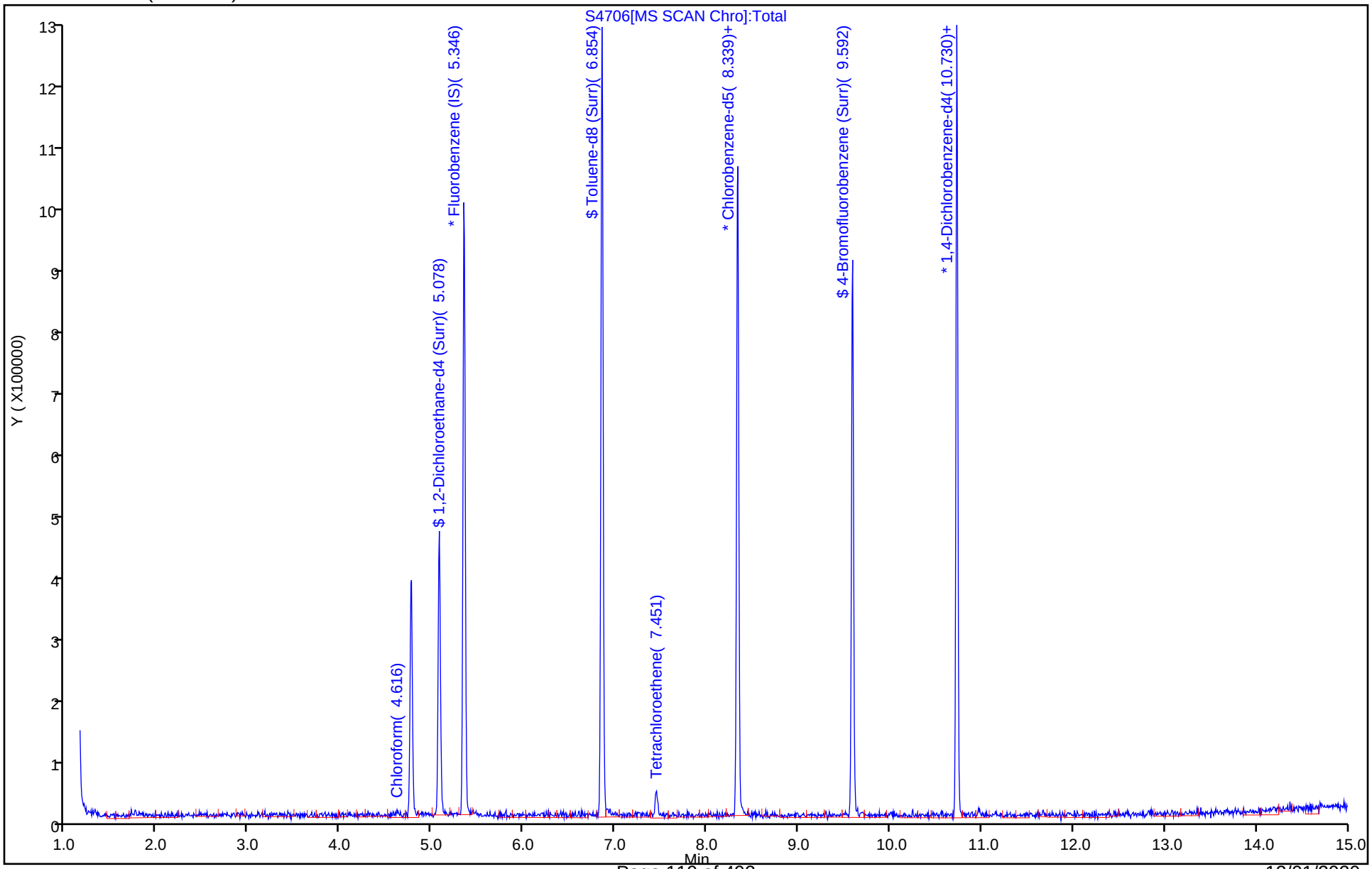
Report Date: 27-Nov-2020 21:16:34 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4706.D

Injection Date:	25-Nov-2020 14:49:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-178383-B-6	Lab Sample ID:	480-178383-6	Worklist Smp#:	19
Client ID:	MW-23D				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

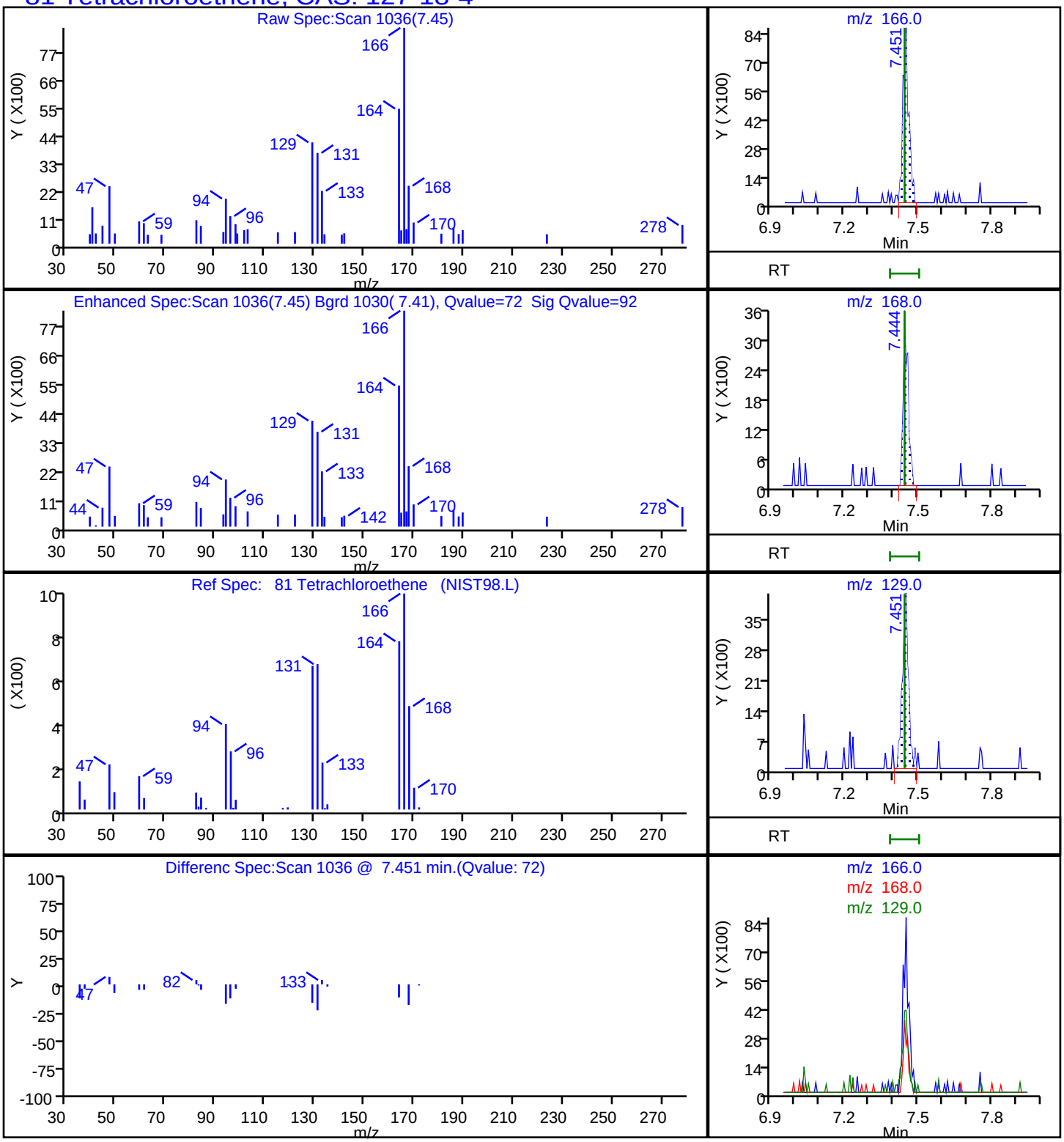
Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4706.D		
Injection Date:	25-Nov-2020 14:49:30	Instrument ID:	HP5973S
Lims ID:	480-178383-B-6	Lab Sample ID:	480-178383-6
Client ID:	MW-23D		
Operator ID:	AM	ALS Bottle#:	12 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

81 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-178383-7

Matrix: Water Lab File ID: S4641.D

Analysis Method: 8260C Date Collected: 11/17/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 11:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560615 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-178383-7

Matrix: Water Lab File ID: S4641.D

Analysis Method: 8260C Date Collected: 11/17/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 11:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560615 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
2037-26-5	Toluene-d8 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4641.D
Lims ID: 480-178383-A-7
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 24-Nov-2020 11:43:30 ALS Bottle#: 3 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-178383-A-7
Misc. Info.: 480-0095204-010
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2020 18:58:48 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: izquierdoo Date: 24-Nov-2020 18:58:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.345	0.001	98	144909	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.332	0.007	85	316341	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.730	10.729	0.001	97	294038	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.072	0.006	99	136244	27.5	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	94	761767	24.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	229438	23.8	
10 Dichlorodifluoromethane	85		1.227				ND	
12 Chloromethane	50		1.409				ND	
13 Vinyl chloride	62		1.488				ND	
14 Bromomethane	94		1.787				ND	7
15 Chloroethane	64		1.860				ND	
17 Trichlorofluoromethane	101		2.085				ND	
22 1,1-Dichloroethene	96		2.577				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.577				ND	
23 Acetone	43		2.705				ND	
26 Carbon disulfide	76		2.766				ND	7
27 Methyl acetate	43		2.997				ND	
30 Methylene Chloride	84		3.095				ND	Ua
32 Methyl tert-butyl ether	73		3.301				ND	
34 trans-1,2-Dichloroethene	96		3.320				ND	
39 1,1-Dichloroethane	63		3.739				ND	
45 cis-1,2-Dichloroethene	96		4.299				ND	
43 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.719				ND	
52 Cyclohexane	56		4.719				ND	
55 Carbon tetrachloride	117		4.853				ND	
57 Benzene	78		5.072				ND	
58 1,2-Dichloroethane	62		5.145				ND	
62 Trichloroethene	95		5.686				ND	
64 Methylcyclohexane	83		5.796				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.929				ND	
68 Dichlorobromomethane	83		6.221				ND	
72 cis-1,3-Dichloropropene	75		6.635				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.781				ND	
74 Toluene	92		6.921				ND	
77 trans-1,3-Dichloropropene	75		7.207				ND	
79 1,1,2-Trichloroethane	83		7.396				ND	
81 Tetrachloroethene	166		7.444				ND	
80 2-Hexanone	43		7.621				ND	
83 Chlorodibromomethane	129		7.791				ND	
84 Ethylene Dibromide	107		7.894				ND	
87 Chlorobenzene	112		8.363				ND	
88 Ethylbenzene	91		8.454				ND	
90 m-Xylene & p-Xylene	106		8.582				ND	
91 o-Xylene	106		9.002				ND	
92 Styrene	104		9.038				ND	
95 Bromoform	173		9.288				ND	
94 Isopropylbenzene	105		9.391				ND	
97 1,1,2,2-Tetrachloroethane	83		9.805				ND	
111 1,3-Dichlorobenzene	146		10.662				ND	
113 1,4-Dichlorobenzene	146		10.754				ND	
116 1,2-Dichlorobenzene	146		11.107				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.506				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

S_8260_IS_00341	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00375	Amount Added:	1.00	Units: uL	Run Reagent

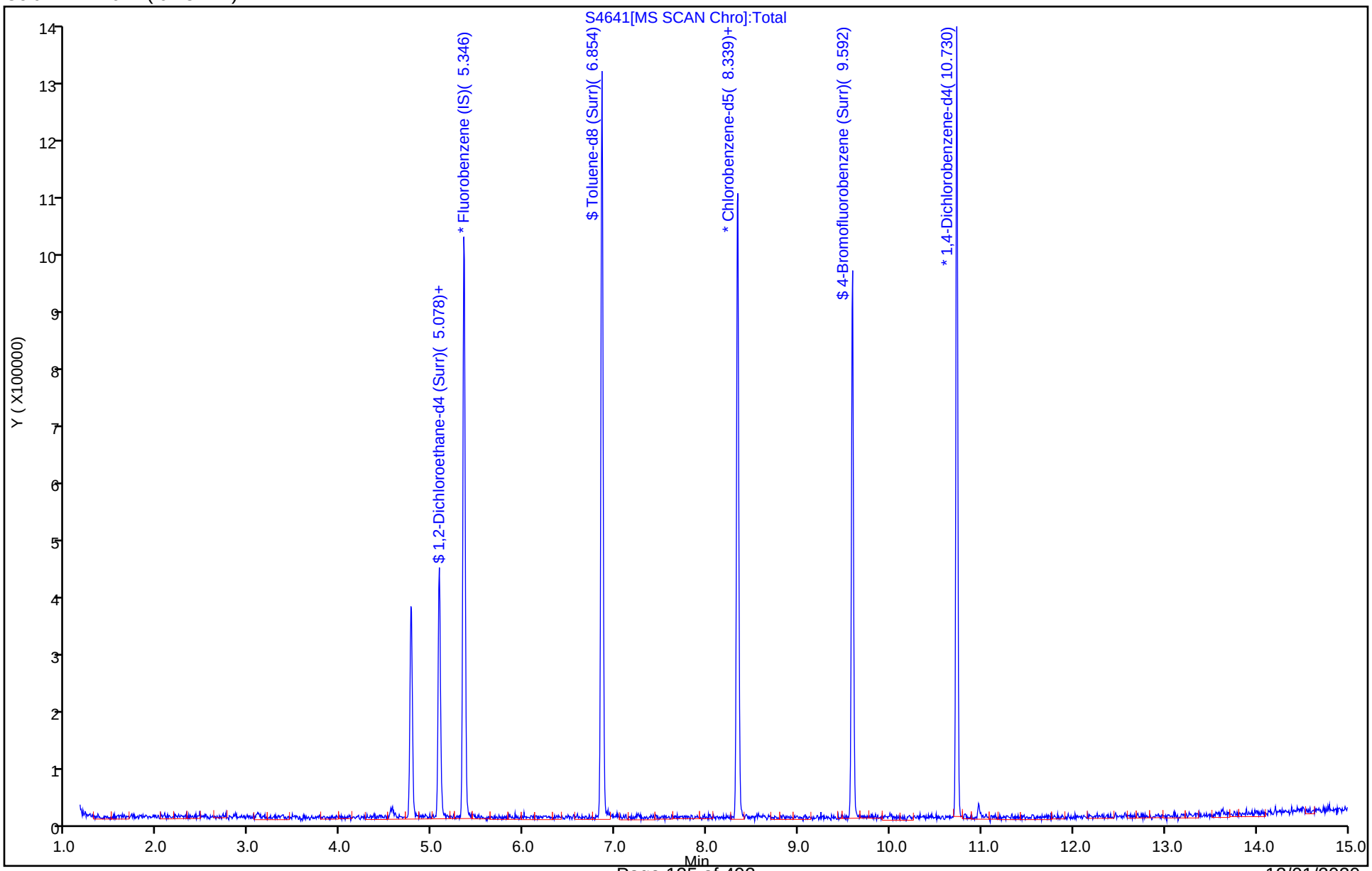
Report Date: 24-Nov-2020 18:58:48 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4641.D

Injection Date:	24-Nov-2020 11:43:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-178383-A-7	Lab Sample ID:	480-178383-7	Worklist Smp#:	10
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



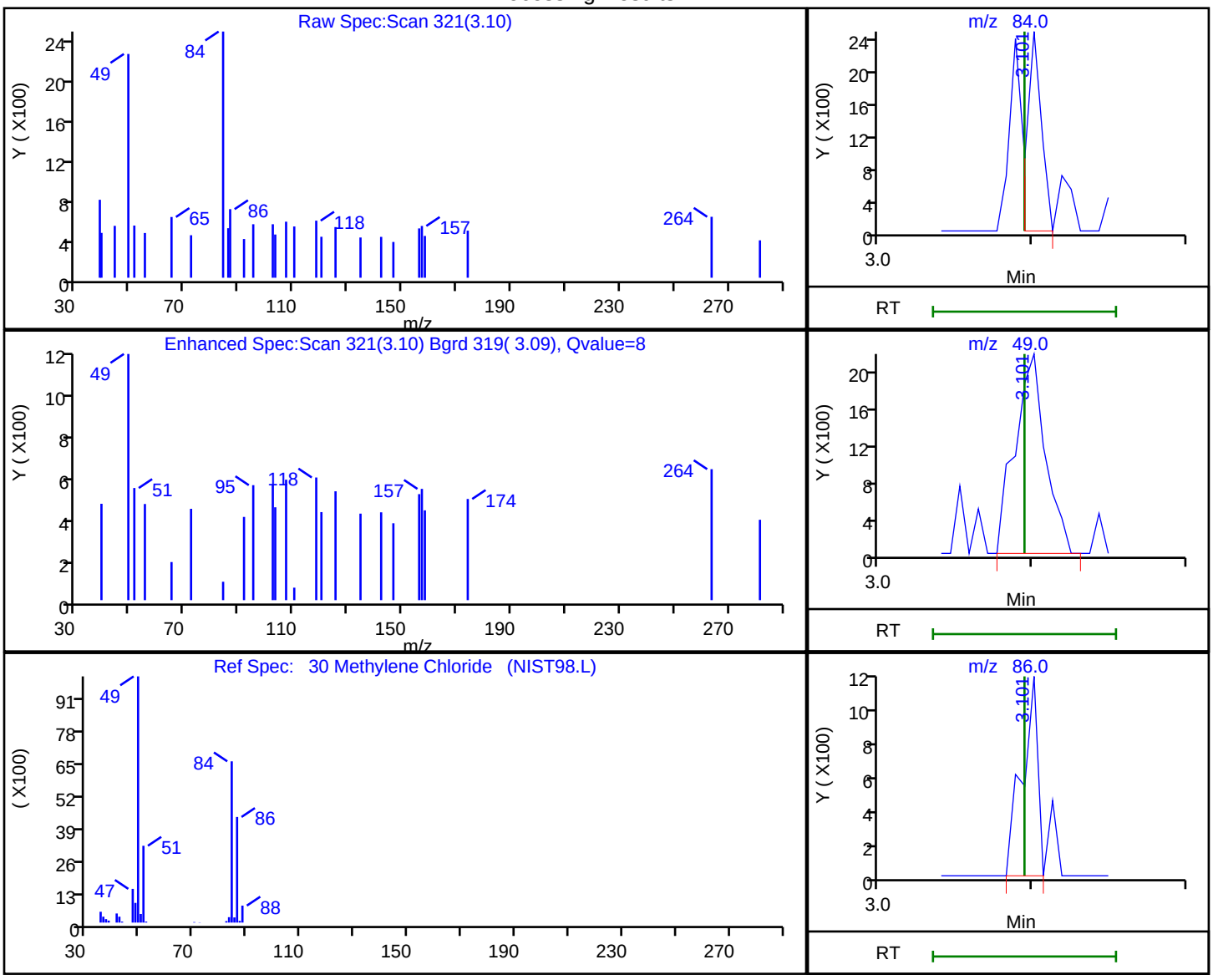
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4641.D				
Injection Date:	24-Nov-2020 11:43:30	Instrument ID:	HP5973S		
Lims ID:	480-178383-A-7	Lab Sample ID:	480-178383-7		
Client ID:	TRIP BLANK				
Operator ID:	AM	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.10	84.00	1580	-0.618750
3.10	49.00	3049	
3.10	86.00	829	

Reviewer: izquierdoo, 24-Nov-2020 18:58:37

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559694

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2020 14:04 Calibration End Date: 11/18/2020 16:52 Calibration ID: 40669

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-559694/8	N7389.D
Level 2	IC 480-559694/9	N7390.D
Level 3	IC 480-559694/10	N7391.D
Level 4	IC 480-559694/11	N7392.D
Level 5	IC 480-559694/12	N7393.D
Level 6	ICIS 480-559694/13	N7394.D
Level 7	IC 480-559694/14	N7395.D
Level 8	IC 480-559694/15	N7396.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.1775	1.1345 1.2398	1.3845 1.2023	1.2187	1.2201	Ave		1.2253			0.1000	6.4		20.0			
Chloromethane	2.5459 2.8520	3.2591 2.8974	3.5662 2.8414	3.1185	2.9524	Ave		3.0041			0.1000	10.3		20.0			
Vinyl chloride	+++++ 1.7331	1.7774 1.8094	2.1281 1.7670	1.9145	1.8793	Ave		1.8584			0.1000	7.3		20.0			
Butadiene	2.0129 2.3307	2.5549 2.5154	2.9354 2.4967	2.6895	2.5040	Ave		2.5050				10.6		20.0			
Bromomethane	1.0470 0.8476	1.1858 0.8370	1.0517 0.8359	0.8938	0.8586	Ave		0.9447			0.1000	14.0		20.0			
Chloroethane	0.9730 1.0371	1.2271 1.0198	1.2060 1.0208	1.0794	1.0268	Ave		1.0737			0.1000	8.7		20.0			
Dichlorofluoromethane	1.7559 2.1550	2.3167 2.2144	2.4465 2.1818	2.1414	2.2278	Ave		2.1799				9.1		20.0			
Trichlorofluoromethane	+++++ 1.8178	1.7305 1.9612	2.1376 1.9570	1.8935	1.9594	Ave		1.9224			0.1000	6.7		20.0			
Ethyl ether	1.7312 1.8289	1.8088 1.8371	2.0234 1.8597	1.7303	1.8418	Ave		1.8326				5.0		20.0			
Acrolein	0.2279 0.2127	0.2412 0.2067	0.2289 0.2115	0.2101	0.2096	Ave		0.2186				5.7		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.9182 1.0796	0.9672 1.1548	1.2483 1.0879	1.1075	1.0127	Ave		1.0720			0.1000	9.8		20.0			
1,1-Dichloroethene	0.7663 1.0040	0.9847 1.0573	1.2198 1.0667	1.0576	1.0400	Ave		1.0246			0.1000	12.3		20.0			
Acetone	1.0772 0.9357	0.9929 0.9413	1.0395 0.9497	0.9521	0.9943	Ave		0.9853			0.1000	5.2		20.0			
Iodomethane	2.1583 2.2156	2.0679 2.2321	2.5172 2.2249	2.1168	2.1406	Ave		2.2092				6.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559694

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2020 14:04 Calibration End Date: 11/18/2020 16:52 Calibration ID: 40669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	2.7221 3.2657	3.0479 3.4814	3.6075 3.4622	3.3014	3.1060	Ave		3.2493			0.1000	8.8		20.0			
Allyl chloride	4.4019 4.1988	4.1639 4.3390	4.6558 4.2926	4.1476	3.9011	Ave		4.2626				5.2		20.0			
Methyl acetate	2.6495 2.4581	2.7889 2.5222	2.6824 2.5360	2.4497	2.5276	Ave		2.5768			0.1000	4.6		20.0			
Methylene Chloride	2.6210 1.2772	1.8125 1.3091	1.6972 1.2588	1.5101	1.2905	Lin1	0.6868	1.2648			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.2381 0.2370	0.2357 0.2393	0.2595 0.2555	0.2334	0.2338	Ave		0.2415				4.2		20.0			
Methyl tert-butyl ether	3.2419 4.0471	4.0351 4.1705	4.3792 4.2246	4.0463	4.1065	Ave		4.0314			0.1000	8.4		20.0			
trans-1,2-Dichloroethene	1.2483 1.2827	1.3528 1.3178	1.3981 1.3123	1.2797	1.2342	Ave		1.3032			0.1000	4.2		20.0			
Acrylonitrile	1.2722 1.2326	1.2643 1.2488	1.3017 1.2740	1.2158	1.2669	Ave		1.2595				2.1		20.0			
Hexane	2.5848 2.9539	2.9959 3.1444	3.7406 3.0146	2.9395	2.8149	Ave		3.0236				11.0		20.0			
1,1-Dichloroethane	2.5543 3.0469	2.9445 3.1443	3.5375 3.1189	3.0890	2.9860	Ave		3.0527			0.2000	8.9		20.0			
Vinyl acetate	5.0294 6.2813	5.3123 6.7479	5.9436 7.2477	5.5941	6.0846	Ave		6.0301				12.2		20.0			
2,2-Dichloropropane	1.1120 1.3134	1.3649 1.3676	1.5408 1.2974	1.2852	1.2157	Ave		1.3121				9.5		20.0			
cis-1,2-Dichloroethene	1.4380 1.3945	1.5575 1.4555	1.6609 1.4607	1.4918	1.4561	Ave		1.4894			0.1000	5.6		20.0			
2-Butanone (MEK)	1.5624 1.6035	1.6592 1.6148	1.6572 1.6550	1.6074	1.6603	Ave		1.6275			0.1000	2.2		20.0			
Chlorobromomethane	0.8353 0.8166	0.7083 0.8426	0.9786 0.8135	0.8203	0.7999	Ave		0.8269				9.0		20.0			
Tetrahydrofuran	1.2496 1.0903	1.3547 1.1125	1.2447 1.1099	1.1327	1.1331	Ave		1.1784				8.0		20.0			
Chloroform	+++++ 2.3127	2.8167 2.4078	2.8668 2.4001	2.4645	2.4175	Ave		2.5266			0.2000	8.7		20.0			
1,1,1-Trichloroethane	1.4958 1.8916	1.7480 2.0267	2.2827 2.0235	1.9497	1.7941	Ave		1.9015			0.1000	12.2		20.0			
Cyclohexane	+++++ 3.6193	3.3062 3.7574	4.6516 3.7461	3.7134	3.3577	Ave		3.7360			0.1000	11.9		20.0			
Carbon tetrachloride	1.2226 1.7160	1.5191 1.8237	1.8077 1.8689	1.6175	1.6036	Ave		1.6474			0.1000	12.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559694

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2020 14:04 Calibration End Date: 11/18/2020 16:52 Calibration ID: 40669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.3298 1.7768	1.9297 1.8541	1.9826 1.8252	1.8386	1.6781	Ave		1.7769				11.4		20.0			
Benzene	5.1875 5.1481	5.2806 5.3237	6.0058 5.3554	5.5368	5.1581	Ave		5.3745			0.5000	5.3		20.0			
Isobutyl alcohol	0.0908 0.1186	0.0989 0.1308	0.1070 0.1405	0.1038	0.1146	Ave		0.1131				14.7		20.0			
1,2-Dichloroethane	2.9723 2.7142	2.8860 2.6745	3.1245 2.7035	2.7411	2.7048	Ave		2.8151			0.1000	5.8		20.0			
n-Heptane	3.7563 3.6543	3.8386 4.0154	4.8772 4.0022	3.9147	3.5811	Ave		3.9550				10.2		20.0			
Trichloroethene	1.0389 1.3721	1.4372 1.4350	1.5313 1.4118	1.4440	1.3720	Ave		1.3803			0.2000	10.6		20.0			
Methylcyclohexane	1.8357 2.1051	1.6061 2.2464	2.4237 2.2098	2.1240	1.9767	Ave		2.0659			0.1000	12.4		20.0			
1,2-Dichloropropane	1.7735 1.7039	1.6685 1.7403	1.9885 1.8045	1.6976	1.7015	Ave		1.7598			0.1000	5.8		20.0			
Dibromomethane	0.9378 0.9163	0.8804 0.9088	0.9846 0.9090	0.9087	0.9057	Ave		0.9189			0.1000	3.4		20.0			
1,4-Dioxane	0.0027 0.0031	0.0034 0.0031	0.0032 0.0031	0.0034	0.0028	Ave		0.0031				7.9		20.0			
Bromodichloromethane	1.4823 1.7333	1.5424 1.8177	1.8346 1.8556	1.6193	1.6239	Ave		1.6886			0.2000	8.4		20.0			
2-Chloroethyl vinyl ether	1.3193 1.2496	1.2200 1.2928	1.2190 1.3478	1.1944	1.2581	Ave		1.2626				4.2		20.0			
cis-1,3-Dichloropropene	1.9033 2.0977	1.7551 2.1876	2.0506 2.2516	1.9583	2.0188	Ave		2.0279			0.2000	7.8		20.0			
4-Methyl-2-pentanone (MIBK)	0.2272 0.2640	0.2341 0.2609	0.2460 0.2648	0.2537	0.2580	Ave		0.2511			0.1000	5.6		20.0			
Toluene	0.7181 0.8806	0.8294 0.8885	1.0176 0.8949	0.9615	0.8776	Ave		0.8835			0.4000	10.0		20.0			
trans-1,3-Dichloropropene	0.3475 0.4872	0.4334 0.5175	0.4804 0.5316	0.4624	0.4474	Ave		0.4634			0.1000	12.4		20.0			
Ethyl methacrylate	0.3746 0.4390	0.3814 0.4432	0.3656 0.4578	0.4229	0.4049	Ave		0.4112				8.5		20.0			
1,1,2-Trichloroethane	0.2516 0.2611	0.2438 0.2522	0.2681 0.2537	0.2606	0.2367	Ave		0.2535			0.1000	3.9		20.0			
Tetrachloroethene	0.3678 0.4049	0.4094 0.4096	0.4961 0.4006	0.4341	0.3698	Ave		0.4115			0.2000	9.8		20.0			
1,3-Dichloropropane	0.5199 0.5330	0.4989 0.5212	0.5975 0.5362	0.5643	0.5162	Ave		0.5359				5.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559694

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2020 14:04 Calibration End Date: 11/18/2020 16:52 Calibration ID: 40669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.4588 0.5353	0.4923 0.5536	0.5157 0.5674	0.5411	0.5557	Ave		0.5275			0.1000	7.0		20.0			
Dibromochloromethane	0.2864 0.3530	0.2608 0.3659	0.3256 0.3919	0.3259	0.3399	Ave		0.3312			0.1000	12.7		20.0			
1,2-Dibromoethane	0.2897 0.3376	0.3019 0.3394	0.3511 0.3454	0.3358	0.3167	Ave		0.3272				6.7		20.0			
Chlorobenzene	0.9502 1.0439	1.0174 1.0551	1.1389 1.0422	1.0682	1.0234	Ave		1.0424			0.5000	5.1		20.0			
Ethylbenzene	1.4771 1.6629	1.5564 1.6779	1.7988 1.7097	1.7194	1.5787	Ave		1.6476			0.1000	6.3		20.0			
1,1,1,2-Tetrachloroethane	0.2972 0.3543	0.3078 0.3742	0.3860 0.3835	0.3583	0.3302	Ave		0.3489				9.7		20.0			
m,p-Xylene	0.6049 0.6493	0.6321 0.6571	0.7160 0.6606	0.6638	0.6184	Ave		0.6503			0.1000	5.2		20.0			
o-Xylene	0.5721 0.6333	0.6416 0.6349	0.6732 0.6366	0.6568	0.6223	Ave		0.6339			0.3000	4.7		20.0			
Styrene	1.0811 1.1010	1.0170 1.0877	1.1081 1.1062	1.0730	1.0360	Ave		1.0763			0.3000	3.1		20.0			
Bromoform	0.1762 0.2198	0.1756 0.2437	0.1825 +++++	0.2067	0.1983	Ave		0.2004			0.1000	12.6		20.0			
Isopropylbenzene	2.4297 3.0716	2.9529 3.2092	3.3780 3.3070	3.1186	3.0136	Ave		3.0601			0.1000	9.6		20.0			
Bromobenzene	0.8655 0.8281	0.7716 0.8427	0.9138 0.8687	0.8374	0.8137	Ave		0.8427				5.0		20.0			
1,1,2,2-Tetrachloroethane	0.7280 0.7994	0.6842 0.7979	0.8189 0.8028	0.7658	0.7963	Ave		0.7742			0.3000	5.9		20.0			
N-Propylbenzene	2.8930 3.5463	3.5439 3.6652	3.8922 3.8007	3.5733	3.3797	Ave		3.5368				8.6		20.0			
1,2,3-Trichloropropane	0.2388 0.2657	0.3078 0.2720	0.2984 0.2596	0.2652	0.2816	Ave		0.2736				8.0		20.0			
trans-1,4-Dichloro-2-butene	0.4213 0.4364	0.3695 0.4505	0.3817 0.4739	0.4097	0.4272	Ave		0.4213				8.2		20.0			
2-Chlorotoluene	0.5816 0.7759	0.7100 0.7924	0.8588 0.7930	0.7812	0.7513	Ave		0.7555				10.8		20.0			
1,3,5-Trimethylbenzene	2.3088 2.6524	2.5550 2.7448	2.8288 2.7719	2.6328	2.4976	Ave		2.6240				6.4		20.0			
4-Chlorotoluene	2.0654 2.1820	2.2256 2.2848	2.5348 2.3333	2.2271	2.2221	Ave		2.2594				6.0		20.0			
tert-Butylbenzene	0.4548 0.5998	0.6088 0.6243	0.6672 0.6332	0.6194	0.5886	Ave		0.5995				10.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559694

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2020 14:04 Calibration End Date: 11/18/2020 16:52 Calibration ID: 40669

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.2252 2.6598	2.7811 2.7526	2.8341 2.7754	2.6688	2.6010	Ave		2.6622				7.2		20.0			
sec-Butylbenzene	2.2934 3.2655	2.9538 3.4162	3.4877 3.4614	3.2668	3.0251	Ave		3.1462				12.6		20.0			
4-Isopropyltoluene	2.3017 3.0215	2.6223 3.0626	3.2026 3.1142	2.9774	2.8018	Ave		2.8880				10.4		20.0			
1,3-Dichlorobenzene	1.6445 1.5860	1.6734 1.6410	1.6180 1.6630	1.5911	1.5840	Ave		1.6251			0.6000	2.2		20.0			
1,4-Dichlorobenzene	1.4489 1.6349	1.6323 1.6717	1.7244 1.6821	1.6608	1.6312	Ave		1.6358			0.5000	5.0		20.0			
n-Butylbenzene	2.1112 2.4838	2.1133 2.5823	2.7397 2.6350	2.5306	2.4013	Ave		2.4497				9.4		20.0			
1,2-Dichlorobenzene	1.4714 1.5746	1.6977 1.6189	1.7256 1.6378	1.6491	1.6054	Ave		1.6226			0.4000	4.8		20.0			
1,2-Dibromo-3-Chloropropane	0.1347 0.1444	0.1206 0.1558	0.1201 +++++	0.1115	0.1493	Ave		0.1338			0.0500	12.6		20.0			
1,2,4-Trichlorobenzene	1.1988 1.1308	1.1065 1.1723	1.1824 1.1989	1.1698	1.0944	Ave		1.1567			0.2000	3.5		20.0			
Hexachlorobutadiene	0.4709 0.5109	0.4362 0.5203	0.5434 0.5309	0.5261	0.4752	Ave		0.5017				7.4		20.0			
Naphthalene	3.0787 3.1708	2.9694 3.2856	3.1967 3.3931	2.9827	3.0699	Ave		3.1434				4.7		20.0			
1,2,3-Trichlorobenzene	0.9752 1.0919	1.1543 1.1471	1.2385 1.1481	1.0772	1.0422	Ave		1.1093				7.3		20.0			
Dibromofluoromethane (Surr)	1.3867 1.3424	1.3672 1.3913	1.4095 1.4201	1.3356	1.4012	Ave		1.3817				2.2		20.0			
1,2-Dichloroethane-d4 (Surr)	1.9240 1.8990	1.9477 1.9142	1.9889 1.9201	1.9033	1.9885	Ave		1.9357				1.9		20.0			
Toluene-d8 (Surr)	1.2406 1.2819	1.2560 1.2531	1.2845 1.2475	1.2808	1.2571	Ave		1.2627				1.4		20.0			
4-Bromofluorobenzene (Surr)	0.4134 0.4195	0.4224 0.4301	0.4203 0.4176	0.4246	0.4196	Ave		0.4209				1.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559694

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2020 14:04 Calibration End Date: 11/18/2020 16:52 Calibration ID: 40669

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-559694/8	N7389.D
Level 2	IC 480-559694/9	N7390.D
Level 3	IC 480-559694/10	N7391.D
Level 4	IC 480-559694/11	N7392.D
Level 5	IC 480-559694/12	N7393.D
Level 6	ICIS 480-559694/13	N7394.D
Level 7	IC 480-559694/14	N7395.D
Level 8	IC 480-559694/15	N7396.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 178253	6678 377086	15853 771391	36954	71951	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	7528 431730	19184 881287	40834 1822990	94565	174106	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 262357	10462 550359	24367 1133694	58055	110829	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	5952 352823	15039 765090	33611 1601847	81555	147667	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3096 128302	6980 254588	12042 536296	27104	50633	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2877 156992	7223 310179	13809 654949	32730	60551	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	5192 326222	13637 673529	28013 1399808	64936	131375	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 275177	10186 596520	24476 1255565	57419	115547	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5119 276858	10647 558784	23168 1193130	52469	108612	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3370 160966	7098 314426	13103 678554	31861	61801	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	2715 163435	5693 351250	14293 698004	33584	59723	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	2266 151982	5796 321604	13967 684375	32071	61329	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	15926 708215	29221 1431475	59514 3046598	144363	293182	2.50 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	6382 335400	12172 678913	28822 1427442	64189	126236	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	8049 494356	17941 1058897	41307 2221285	100110	183166	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559694

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2020 14:04 Calibration End Date: 11/18/2020 16:52 Calibration ID: 40669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	13016 635599	24510 1319757	53310 2754067	125771	230057	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	15669 744198	32832 1534340	61427 3254141	148568	298111	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	7750 193346	10669 398172	19433 807601	45791	76101	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	7040 358722	13874 727851	29708 1639026	70776	137852	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	9586 612648	23752 1268511	50143 2710427	122699	242171	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3691 194174	7963 400828	16008 841930	38806	72785	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	37619 1865837	74419 3798391	149049 8174001	368666	747136	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	7643 447152	17635 956400	42830 1934136	89136	166001	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	7553 461231	17332 956369	40505 2001005	93669	176091	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	29743 1901706	62539 4104902	136110 9300019	339265	717641	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3288 198825	8034 415970	17642 832381	38973	71693	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4252 211102	9168 442713	19018 937125	45236	85867	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	23100 1213649	48832 2455808	94874 5308937	243706	489546	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2470 123619	4169 256295	11205 521941	24874	47172	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	7390 330102	15948 676757	28504 1424227	68696	133640	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 350099	16580 732363	32825 1539838	74733	142563	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	4423 286345	10289 616444	26137 1298208	59121	105804	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 547876	19461 1142863	53262 2403437	112605	198011	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	3615 259771	8942 554702	20699 1199040	49049	94565	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	3932 268966	11359 563938	22701 1171011	55753	98960	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	15339 779316	31083 1619253	68767 3435914	167895	304186	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559694

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2020 14:04 Calibration End Date: 11/18/2020 16:52 Calibration ID: 40669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	6710 448668	14550 994870	30636 2254296	78655	168992	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	8789 410871	16988 813496	35776 1734515	83119	159509	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	11107 553178	22595 1221333	55845 2567724	118707	211183	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3072 207713	8460 436478	17534 905796	43787	80912	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	5428 318663	9454 683281	27752 1417759	64407	116570	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	5244 257929	9821 529332	22769 1157720	51476	100342	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2773 138706	5182 276417	11274 583182	27554	53412	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	621 36884	1542 76482	2892 161396	7626	13175	10.0 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	4383 262381	9079 552881	21006 1190544	49104	95764	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3901 189159	7181 393226	13958 864725	36219	74195	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	5628 317539	10331 665380	23480 1444591	59382	119054	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	13098 772959	26906 1585060	55091 3438788	142726	302988	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	8281 515669	19069 1079751	45579 2324340	108198	206170	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	4007 285287	9965 628926	21519 1380649	52029	105089	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	4320 257049	8768 538590	16374 1189035	47592	95123	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	2902 152887	5606 306534	12007 658859	29322	55607	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	4242 237108	9413 497727	22219 1040574	48851	86875	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	5996 312139	11469 633379	26760 1392731	63499	121273	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	26453 1567447	56592 3364106	115493 7367814	304447	652756	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	3303 206740	5995 444652	14584 1017763	36675	79850	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	3341 197674	6940 412451	15727 896980	37787	74387	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559694

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2020 14:04 Calibration End Date: 11/18/2020 16:52 Calibration ID: 40669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	10958 611301	23391 1282192	51013 2706719	120201	240405	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	17034 973790	35783 2039057	80569 4440381	193491	370867	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3427 207457	7077 454795	17290 996145	40322	77562	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	6976 380239	14532 798551	32070 1715782	74697	145260	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	6598 370846	14752 771546	30151 1653487	73908	146180	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	12468 644717	23382 1321879	49633 2873054	120745	243362	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	2032 128737	4038 296161	8176 +++++	23261	46574	0.500 25.0	1.00 50.0	2.00 +++++	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	15243 984466	35959 2090302	82938 4498701	201253	384897	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	5430 265422	9396 548903	22435 1181715	54043	103931	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	4567 256221	8332 519693	20106 1092140	49422	101698	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	18150 1136605	43157 2387362	95564 5170397	230601	431663	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	1498 85142	3748 177183	7327 353204	17115	35960	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2643 139882	4500 293403	9371 644651	26442	54564	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	3649 248691	8646 516102	21086 1078735	50416	95963	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	14485 850082	31114 1787830	69453 3770853	169904	318994	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	12958 699335	27103 1488221	62236 3174109	143722	283807	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	2853 192252	7414 406660	16382 861328	39974	75179	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	13960 852472	33868 1792888	69583 3775501	172226	332196	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	14388 1046612	35970 2225120	85631 4708775	210819	386370	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	14440 968394	31934 1994841	78633 4236489	192145	357851	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	10317 508321	20378 1068846	39726 2262334	102681	202305	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559694

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2020 14:04 Calibration End Date: 11/18/2020 16:52 Calibration ID: 40669

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	9090 523998	19878 1088890	42338 2288219	107179	208335	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	13245 796058	25735 1681986	67267 3584624	163311	306693	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	9231 504674	20674 1054494	42368 2228043	106422	205045	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	845 46268	1469 101502	2949 +++++	7197	19072	0.500 25.0	1.00 50.0	2.00 +++++	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	7521 362417	13475 763596	29030 1630977	75491	139777	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	2954 163742	5312 338904	13343 722192	33950	60690	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	19315 1016256	36161 2140113	78487 4615824	192482	392085	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	6118 349948	14057 747154	30409 1561878	69516	133109	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	205024 203203	201199 211592	201732 227769	202495	206585	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	284463 287472	286614 291115	284663 307974	288580	293166	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	715327 750654	721928 761392	719157 810003	720636	738299	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	238357 245653	242784 261331	235319 271140	238877	246442	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7389.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Nov-2020 14:04:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0095054-008
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Nov-2020 17:53:06 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: HillL Date: 18-Nov-2020 15:22:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	147846	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	90	576617	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	313686	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.990	0.000	93	205024	25.0	25.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	96	284463	25.0	24.8	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	715327	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	91	238357	25.0	24.6	
11 Dichlorodifluoromethane	85	1.303	1.309	-0.006	1	2538	0.5000	0.3502	
13 Chloromethane	50	1.504	1.504	0.000	95	7528	0.5000	0.4237	
14 Vinyl chloride	62	1.601	1.601	0.000	61	3373	0.5000	0.3069	
144 Butadiene	54	1.607	1.607	0.000	90	5952	0.5000	0.4018	
15 Bromomethane	94	1.930	1.917	0.013	9	3096	0.5000	0.5542	
16 Chloroethane	64	2.003	2.009	-0.006	0	2877	0.5000	0.4531	M
17 Dichlorofluoromethane	67	2.240	2.240	0.000	20	5192	0.5000	0.4027	
18 Trichlorofluoromethane	101	2.240	2.252	-0.012	1	3755	0.5000	0.3303	
19 Ethyl ether	59	2.538	2.538	0.000	94	5119	0.5000	0.4723	
20 Acrolein	56	2.720	2.727	-0.007	31	3370	2.50	2.61	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.763	2.757	0.006	0	2715	0.5000	0.4282	M
22 1,1-Dichloroethene	96	2.751	2.763	-0.012	95	2266	0.5000	0.3740	Ma
23 Acetone	43	2.891	2.885	0.006	98	15926	2.50	2.73	
24 Iodomethane	142	2.933	2.927	0.006	92	6382	0.5000	0.4885	
25 Carbon disulfide	76	2.958	2.958	0.000	94	8049	0.5000	0.4189	
27 3-Chloro-1-propene	41	3.140	3.140	0.000	90	13016	0.5000	0.5163	
28 Methyl acetate	43	3.195	3.189	0.006	0	15669	1.00	1.03	M
30 Methylene Chloride	84	3.292	3.292	0.000	87	7750	0.5000	0.4931	
31 2-Methyl-2-propanol	59	3.469	3.475	-0.006	43	7040	5.00	4.93	
32 Methyl tert-butyl ether	73	3.511	3.511	0.000	84	9586	0.5000	0.4021	
33 trans-1,2-Dichloroethene	96	3.530	3.523	0.007	87	3691	0.5000	0.4789	
34 Acrylonitrile	53	3.584	3.584	0.000	100	37619	5.00	5.05	
35 Hexane	57	3.724	3.718	0.006	95	7643	0.5000	0.4274	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.943	3.949	-0.006	92	7553	0.5000	0.4184	
39 Vinyl acetate	43	4.004	4.004	0.000	96	29743	1.00	0.8340	
42 2,2-Dichloropropane	77	4.479	4.473	0.006	27	3288	0.5000	0.4237	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	83	4252	0.5000	0.4827	
44 2-Butanone (MEK)	43	4.546	4.552	-0.006	96	23100	2.50	2.40	
47 Chlorobromomethane	128	4.752	4.752	0.000	79	2470	0.5000	0.5051	
49 Tetrahydrofuran	42	4.783	4.777	0.006	89	7390	1.00	1.06	
50 Chloroform	83	4.831	4.831	0.000	94	9000	0.5000	0.6023	
51 1,1,1-Trichloroethane	97	4.935	4.941	-0.006	34	4423	0.5000	0.3933	
52 Cyclohexane	56	4.947	4.947	0.000	52	8096	0.5000	0.3664	
53 Carbon tetrachloride	117	5.075	5.081	-0.006	54	3615	0.5000	0.3711	
54 1,1-Dichloropropene	75	5.087	5.099	-0.012	67	3932	0.5000	0.3742	
55 Benzene	78	5.300	5.300	0.000	40	15339	0.5000	0.4826	
56 Isobutyl alcohol	43	5.324	5.318	0.006	45	6710	12.5	10.0	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	96	8789	0.5000	0.5279	
59 n-Heptane	43	5.476	5.476	0.000	90	11107	0.5000	0.4749	
60 Trichloroethene	95	5.914	5.914	0.000	91	3072	0.5000	0.3763	
62 Methylcyclohexane	83	6.030	6.030	0.000	90	5428	0.5000	0.4443	
63 1,2-Dichloropropane	63	6.164	6.158	0.006	80	5244	0.5000	0.5039	
64 Dibromomethane	93	6.304	6.298	0.006	0	2773	0.5000	0.5103	M
66 1,4-Dioxane	88	6.298	6.304	-0.006	0	621	10.0	8.66	M
67 Dichlorobromomethane	83	6.456	6.450	0.006	89	4383	0.5000	0.4389	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	78	3901	0.5000	0.5224	
71 cis-1,3-Dichloropropene	75	6.876	6.863	0.013	82	5628	0.5000	0.4693	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	97	13098	2.50	2.26	
73 Toluene	92	7.161	7.155	0.006	93	8281	0.5000	0.4064	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	77	4007	0.5000	0.3749	
77 Ethyl methacrylate	69	7.484	7.478	0.006	81	4320	0.5000	0.4555	
78 1,1,2-Trichloroethane	83	7.636	7.630	0.006	81	2902	0.5000	0.4964	
79 Tetrachloroethene	166	7.685	7.691	-0.006	89	4242	0.5000	0.4469	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	88	5996	0.5000	0.4851	
82 2-Hexanone	43	7.855	7.855	0.000	96	26453	2.50	2.17	
83 Chlorodibromomethane	129	8.025	8.025	0.000	1	3303	0.5000	0.4324	
84 Ethylene Dibromide	107	8.147	8.135	0.012	42	3341	0.5000	0.4427	
85 Chlorobenzene	112	8.609	8.609	0.000	94	10958	0.5000	0.4558	
88 Ethylbenzene	91	8.707	8.701	0.006	98	17034	0.5000	0.4482	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.707	0.000	44	3427	0.5000	0.4258	
90 m-Xylene & p-Xylene	106	8.828	8.822	0.006	95	6976	0.5000	0.4651	
91 o-Xylene	106	9.254	9.254	0.000	93	6598	0.5000	0.4513	
92 Styrene	104	9.291	9.285	0.006	93	12468	0.5000	0.5023	
93 Bromoform	173	9.552	9.534	0.018	1	2032	0.5000	0.4396	
95 Isopropylbenzene	105	9.631	9.631	0.000	95	15243	0.5000	0.3970	
97 Bromobenzene	156	9.978	9.978	0.000	78	5430	0.5000	0.5135	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.033	-0.006	84	4567	0.5000	0.4702	
100 N-Propylbenzene	91	10.051	10.051	0.000	98	18150	0.5000	0.4090	
99 1,2,3-Trichloropropane	110	10.063	10.069	-0.006	68	1498	0.5000	0.4363	
101 trans-1,4-Dichloro-2-butene	53	10.076	10.075	0.001	63	2643	0.5000	0.5000	
102 2-Chlorotoluene	126	10.161	10.161	0.000	95	3649	0.5000	0.3849	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	93	14485	0.5000	0.4399	
105 4-Chlorotoluene	91	10.270	10.270	0.000	94	12958	0.5000	0.4571	
106 tert-Butylbenzene	134	10.538	10.544	-0.006	95	2853	0.5000	0.3793	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	96	13960	0.5000	0.4179	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	93	14388	0.5000	0.3645	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	77	10317	0.5000	0.5060	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	96	14440	0.5000	0.3985	
113 1,4-Dichlorobenzene	146	10.976	10.976	0.000	92	9090	0.5000	0.4429	
115 n-Butylbenzene	91	11.274	11.274	0.000	96	13245	0.5000	0.4309	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	89	9231	0.5000	0.4534	
117 1,2-Dibromo-3-Chloropropane	75	12.053	12.059	-0.006	1	845	0.5000	0.5034	M
119 1,2,4-Trichlorobenzene	180	12.734	12.728	0.006	89	7521	0.5000	0.5182	
120 Hexachlorobutadiene	225	12.831	12.837	-0.006	82	2954	0.5000	0.4692	
121 Naphthalene	128	12.947	12.941	0.006	96	19315	0.5000	0.4897	
122 1,2,3-Trichlorobenzene	180	13.142	13.148	-0.006	93	6118	0.5000	0.4395	
S 124 1,2-Dichloroethene, Total	1				0			0.9617	
S 123 1,3-Dichloropropene, Total	1				0			0.8442	
S 126 Xylenes, Total	1				0			0.9164	
S 125 Total BTEX	1				0			2.25	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260 CORP mix_00198	Amount Added:	0.50	Units: uL	
GAS CORP mix_00427	Amount Added:	0.50	Units: uL	
N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00202	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 18-Nov-2020 17:53:08 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7389.D

Injection Date:	18-Nov-2020 14:04:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 0.5			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

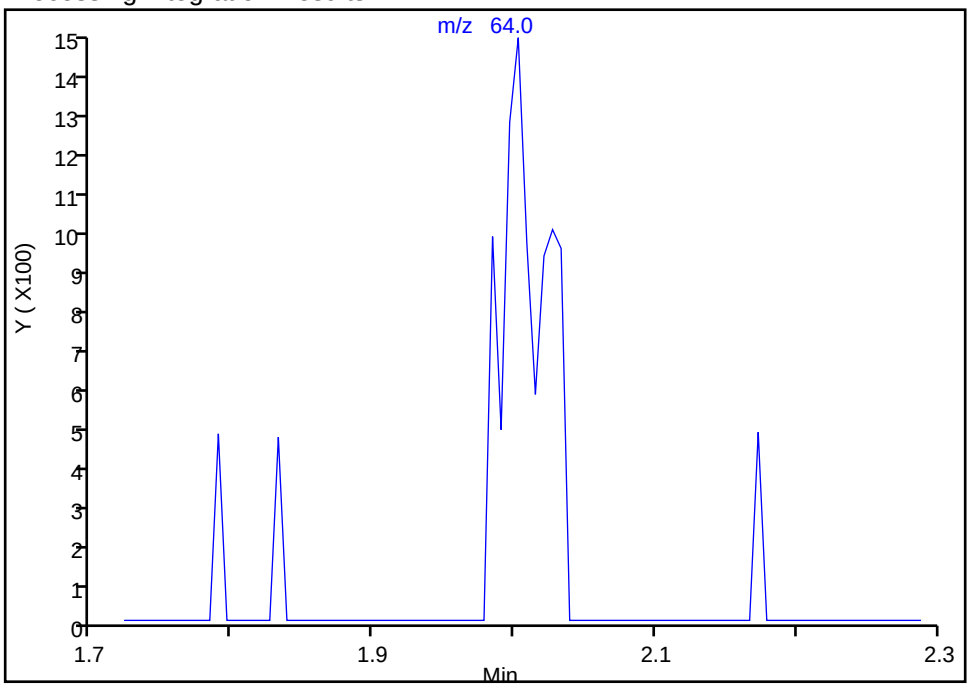
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7389.D
Injection Date: 18-Nov-2020 14:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

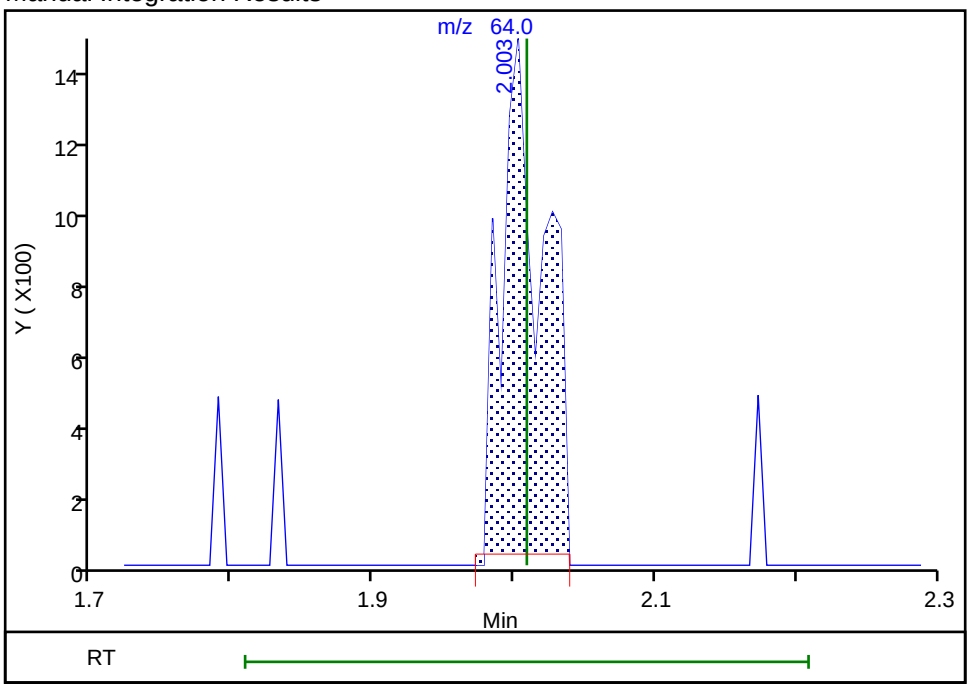
Not Detected
Expected RT: 2.01

Processing Integration Results



Manual Integration Results

RT: 2.00
Area: 2877
Amount: 0.453077
Amount Units: ug/L



Reviewer: HillL, 18-Nov-2020 15:20:38
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

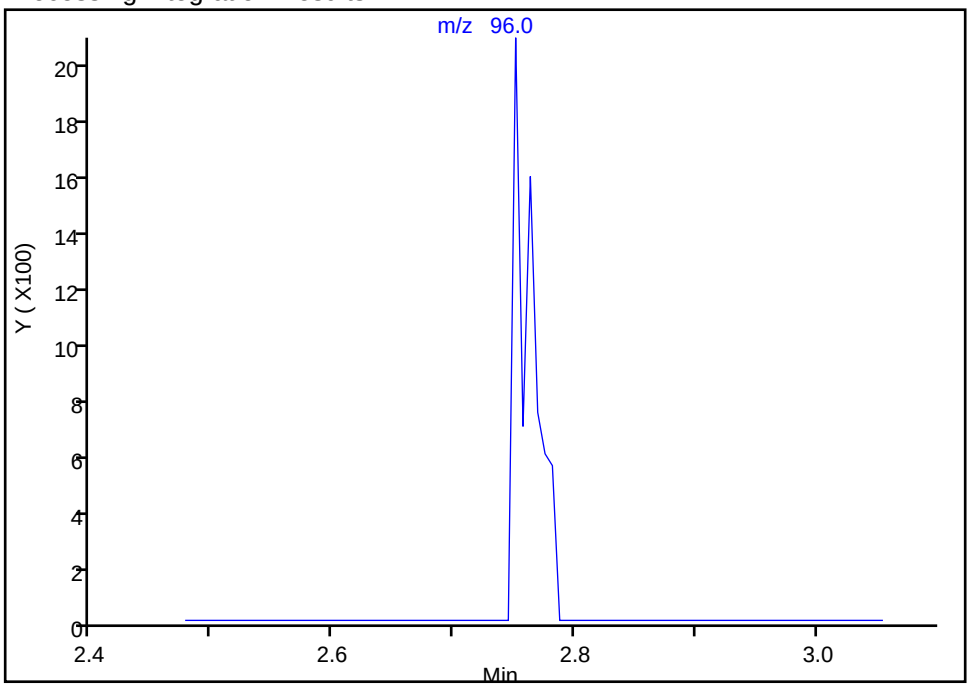
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Injection Date: 18-Nov-2020 14:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

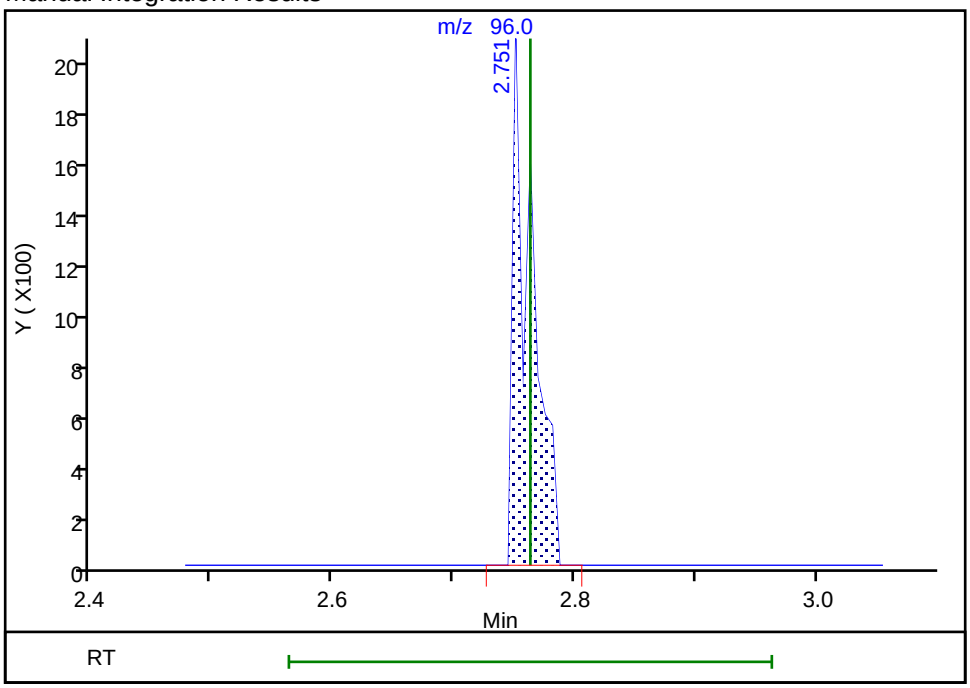
Not Detected
Expected RT: 2.76

Processing Integration Results



Manual Integration Results

RT: 2.75
Area: 2266
Amount: 0.373986
Amount Units: ug/L



Reviewer: HillL, 18-Nov-2020 15:20:52
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

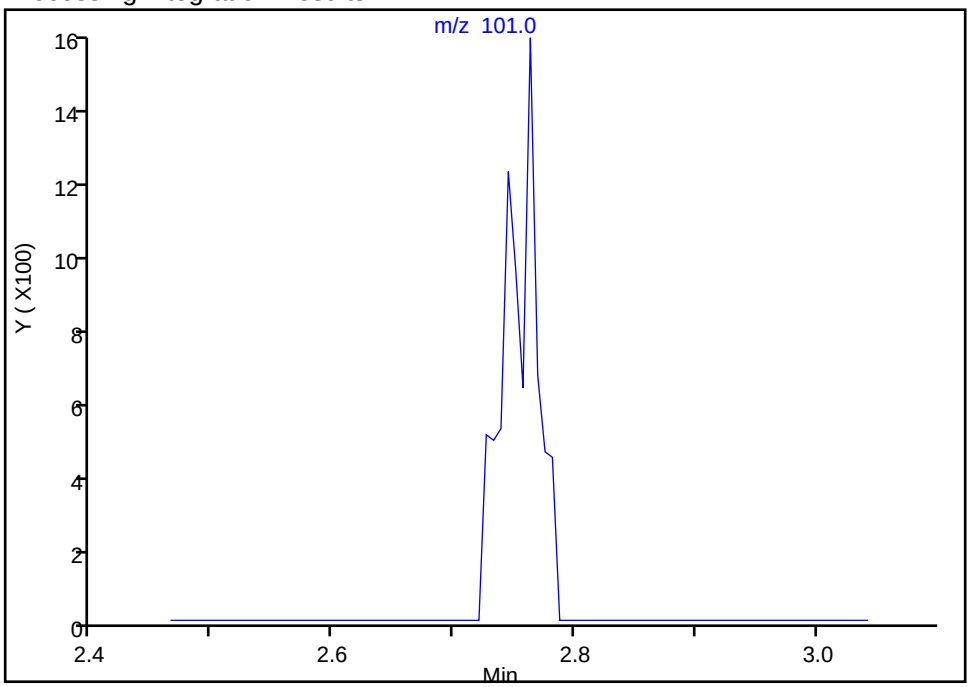
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7389.D
Injection Date: 18-Nov-2020 14:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

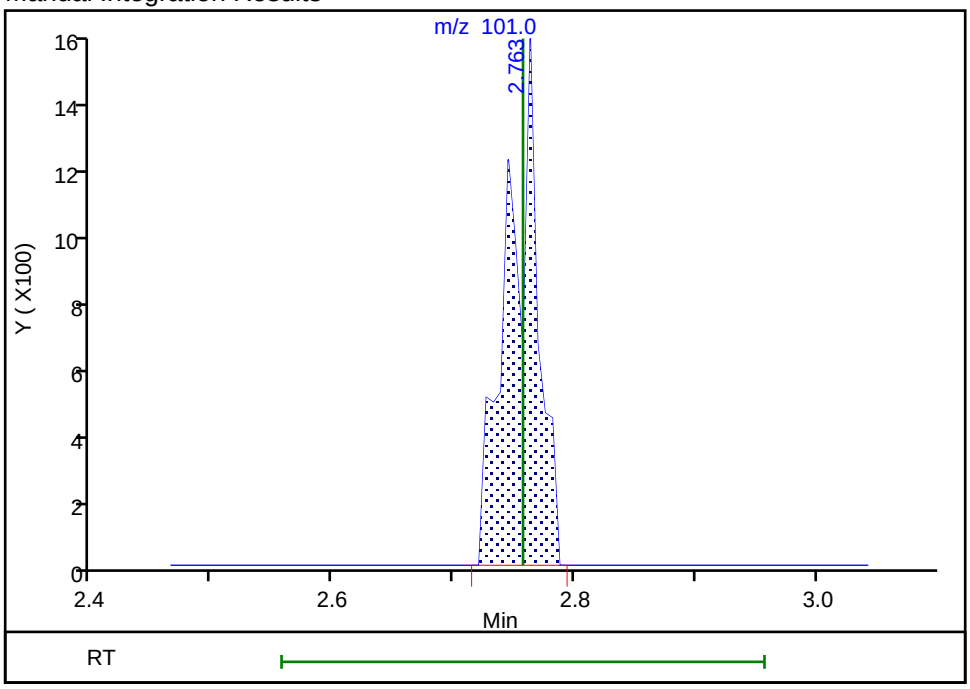
Not Detected
Expected RT: 2.76

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 2715
Amount: 0.428244
Amount Units: ug/L



Reviewer: HillL, 18-Nov-2020 17:41:51
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

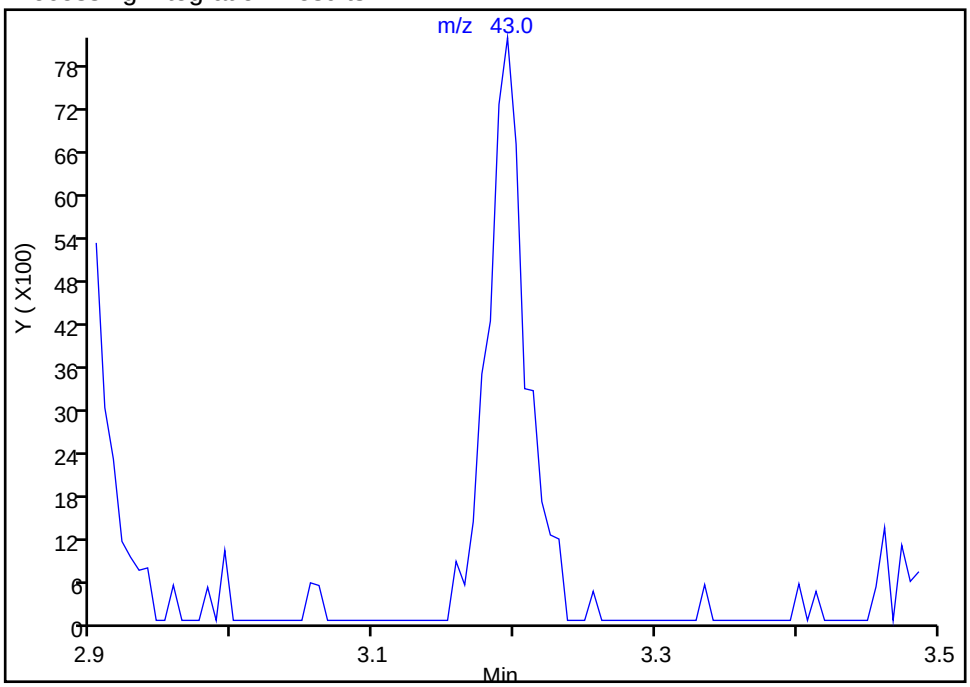
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7389.D
Injection Date: 18-Nov-2020 14:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

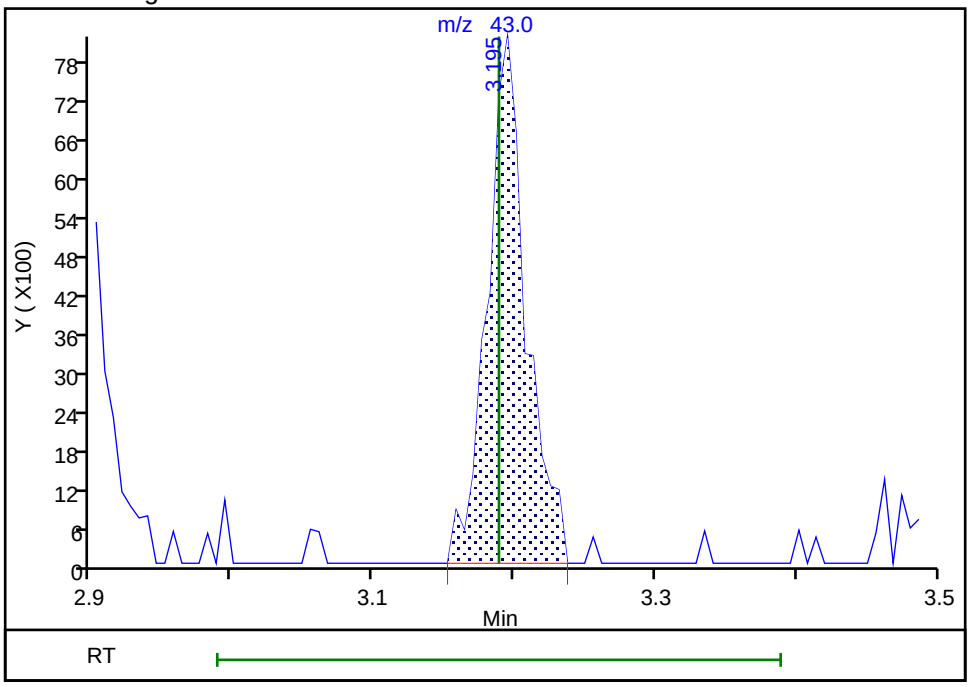
Not Detected
Expected RT: 3.19

Processing Integration Results



Manual Integration Results

RT: 3.19
Area: 15669
Amount: 1.028232
Amount Units: ug/L



Reviewer: HillL, 18-Nov-2020 15:21:01
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

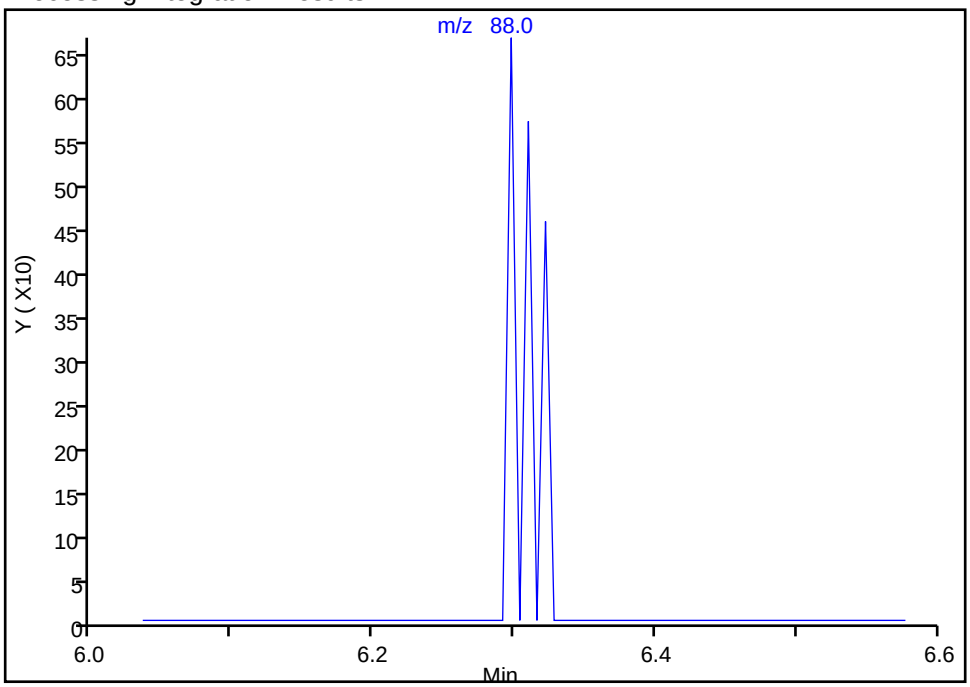
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7389.D
Injection Date: 18-Nov-2020 14:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

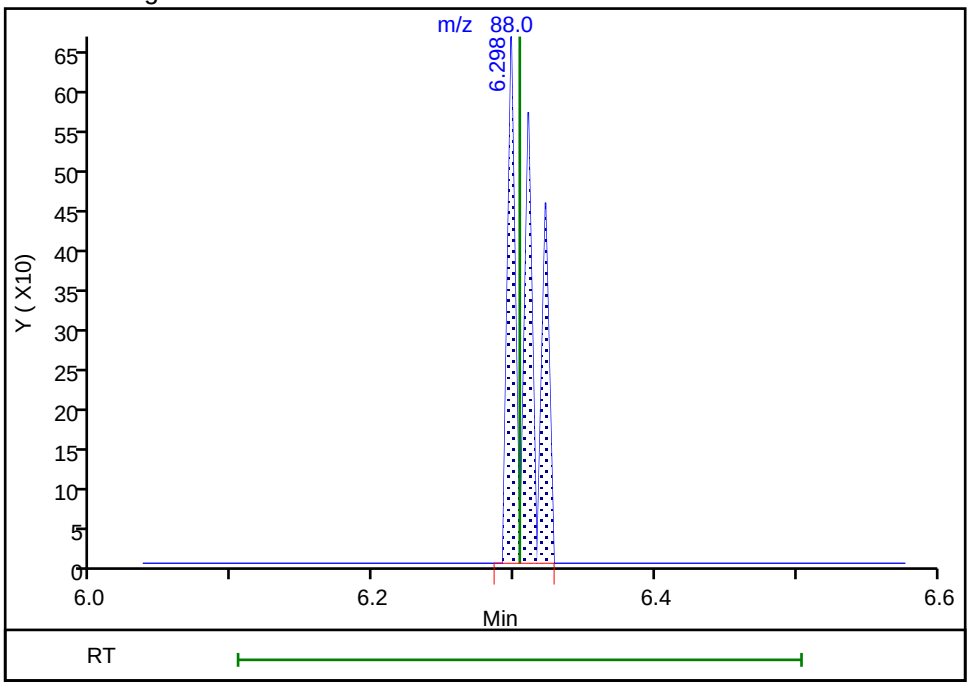
Not Detected
Expected RT: 6.30

Processing Integration Results



Manual Integration Results

RT: 6.30
Area: 621
Amount: 8.660768
Amount Units: ug/L



Reviewer: HillL, 18-Nov-2020 15:21:22
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

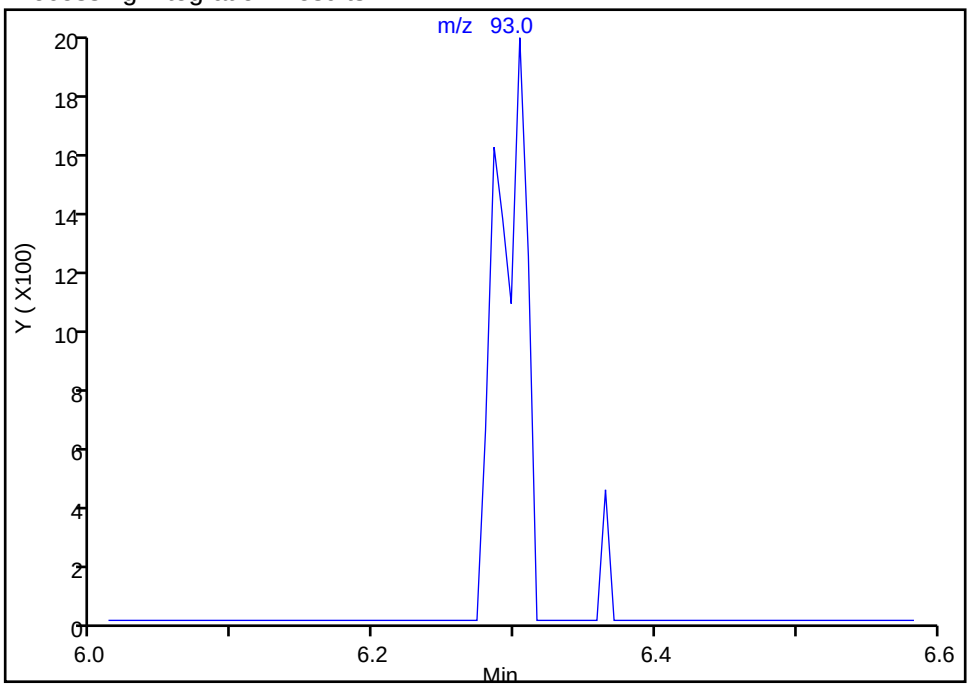
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7389.D
Injection Date: 18-Nov-2020 14:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

64 Dibromomethane, CAS: 74-95-3

Signal: 1

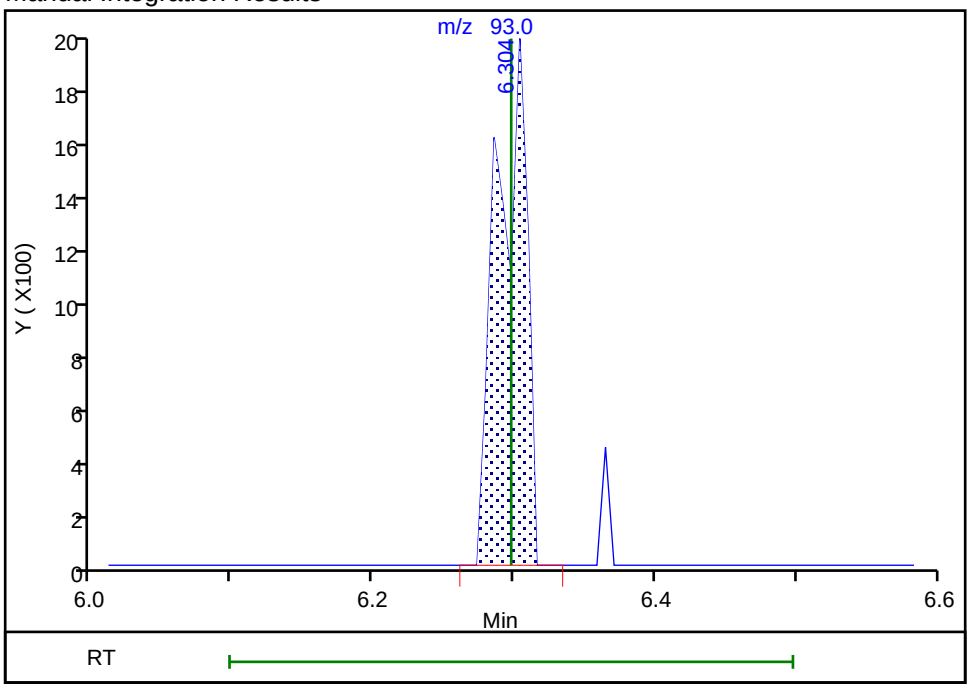
Not Detected
Expected RT: 6.30

Processing Integration Results



Manual Integration Results

RT: 6.30
Area: 2773
Amount: 0.510284
Amount Units: ug/L



Reviewer: HillL, 18-Nov-2020 15:21:15
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

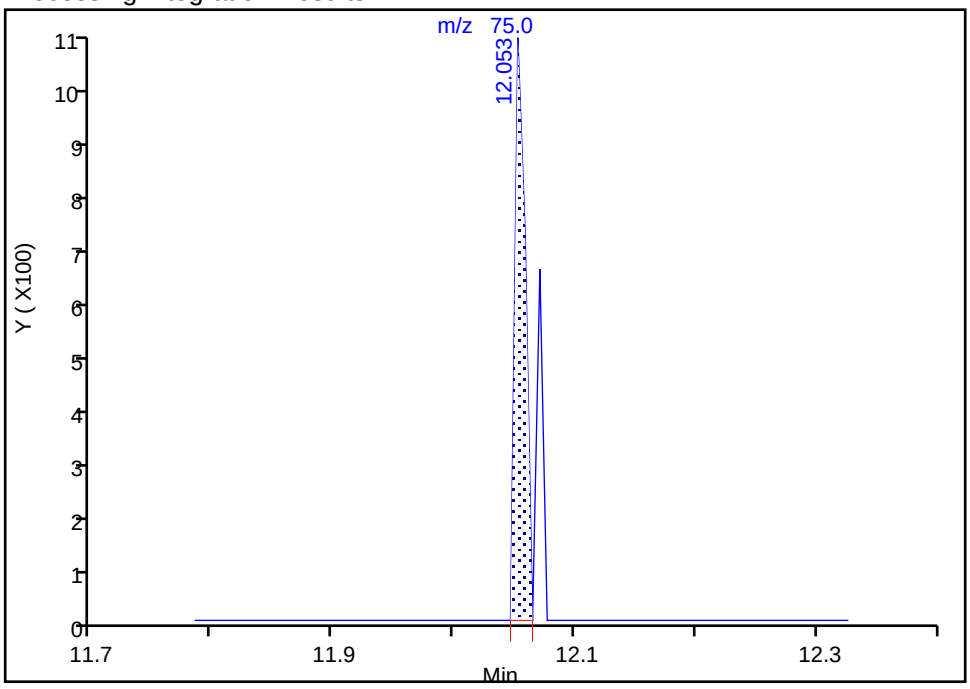
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7389.D
Injection Date: 18-Nov-2020 14:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

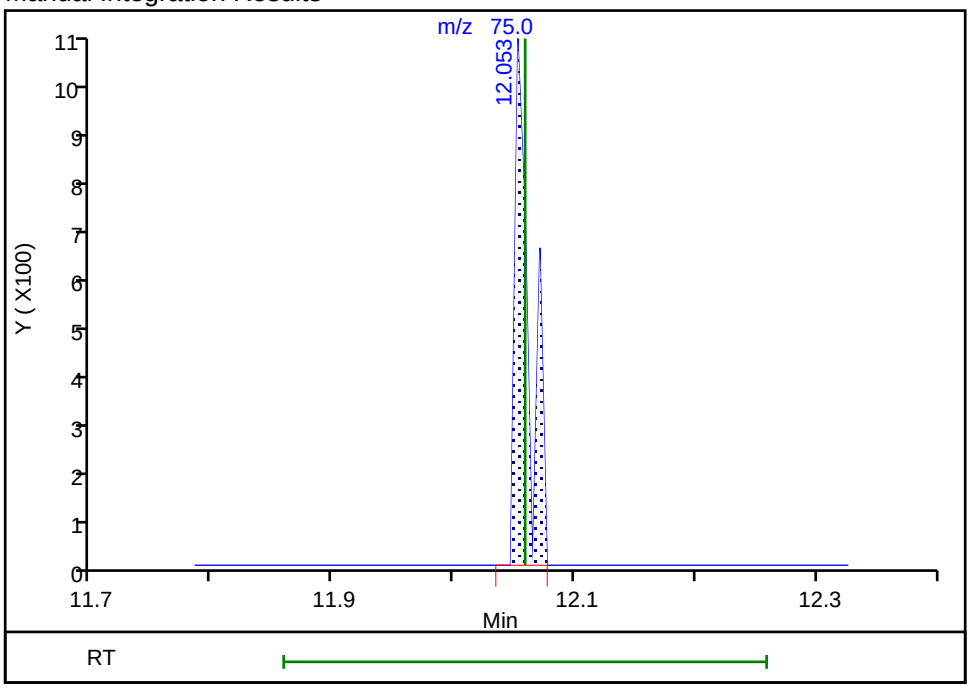
Processing Integration Results

RT: 12.05
Area: 620
Amount: 0.436551
Amount Units: ug/L



Manual Integration Results

RT: 12.05
Area: 845
Amount: 0.503390
Amount Units: ug/L



Reviewer: HillL, 18-Nov-2020 15:22:02
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7390.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Nov-2020 14:28:30 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0095054-009
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Nov-2020 17:53:12 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: HillL Date: 18-Nov-2020 15:23:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	147157	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	91	574769	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	96	304443	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.990	0.000	92	201199	25.0	24.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	95	286614	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	7.089	7.088	0.001	96	721928	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	91	242784	25.0	25.1	
11 Dichlorodifluoromethane	85	1.321	1.309	0.012	62	6678	1.00	0.9259	
13 Chloromethane	50	1.510	1.504	0.006	98	19184	1.00	1.08	
14 Vinyl chloride	62	1.607	1.601	0.006	59	10462	1.00	0.9564	
144 Butadiene	54	1.601	1.607	-0.006	98	15039	1.00	1.02	
15 Bromomethane	94	1.924	1.917	0.007	40	6980	1.00	1.26	
16 Chloroethane	64	2.009	2.009	0.000	28	7223	1.00	1.14	
17 Dichlorofluoromethane	67	2.234	2.240	-0.006	95	13637	1.00	1.06	
18 Trichlorofluoromethane	101	2.234	2.252	-0.018	66	10186	1.00	0.9001	
19 Ethyl ether	59	2.544	2.538	0.006	87	10647	1.00	0.9870	
20 Acrolein	56	2.721	2.727	-0.006	74	7098	5.00	5.52	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.763	2.757	0.006	0	5693	1.00	0.9022	M
22 1,1-Dichloroethene	96	2.751	2.763	-0.012	87	5796	1.00	0.9611	
23 Acetone	43	2.897	2.885	0.012	96	29221	5.00	5.04	
24 Iodomethane	142	2.927	2.927	0.000	71	12172	1.00	0.9360	
25 Carbon disulfide	76	2.958	2.958	0.000	89	17941	1.00	0.9380	
27 3-Chloro-1-propene	41	3.140	3.140	0.000	83	24510	1.00	0.9769	
28 Methyl acetate	43	3.195	3.189	0.006	99	32832	2.00	2.16	
30 Methylene Chloride	84	3.292	3.292	0.000	86	10669	1.00	0.8900	
31 2-Methyl-2-propanol	59	3.481	3.475	0.006	90	13874	10.0	9.76	
32 Methyl tert-butyl ether	73	3.505	3.511	-0.006	94	23752	1.00	1.00	
33 trans-1,2-Dichloroethene	96	3.524	3.523	0.001	86	7963	1.00	1.04	
34 Acrylonitrile	53	3.584	3.584	0.000	95	74419	10.0	10.0	
35 Hexane	57	3.718	3.718	0.000	92	17635	1.00	0.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.949	3.949	0.000	96	17332	1.00	0.9646	
39 Vinyl acetate	43	4.004	4.004	0.000	96	62539	2.00	1.76	
42 2,2-Dichloropropane	77	4.473	4.473	0.000	77	8034	1.00	1.04	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	83	9168	1.00	1.05	
44 2-Butanone (MEK)	43	4.552	4.552	0.000	95	48832	5.00	5.10	
47 Chlorobromomethane	128	4.746	4.752	-0.006	86	4169	1.00	0.8565	
49 Tetrahydrofuran	42	4.783	4.777	0.006	93	15948	2.00	2.30	
50 Chloroform	83	4.832	4.831	0.001	94	16580	1.00	1.11	
51 1,1,1-Trichloroethane	97	4.947	4.941	0.006	71	10289	1.00	0.9193	
52 Cyclohexane	56	4.947	4.947	0.000	89	19461	1.00	0.8850	
53 Carbon tetrachloride	117	5.081	5.081	0.000	95	8942	1.00	0.9221	
54 1,1-Dichloropropene	75	5.093	5.099	-0.006	85	11359	1.00	1.09	
55 Benzene	78	5.306	5.300	0.006	53	31083	1.00	0.9825	
56 Isobutyl alcohol	43	5.318	5.318	0.000	95	14550	25.0	21.9	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	95	16988	1.00	1.03	
59 n-Heptane	43	5.476	5.476	0.000	92	22595	1.00	0.9706	
60 Trichloroethene	95	5.914	5.914	0.000	91	8460	1.00	1.04	
62 Methylcyclohexane	83	6.036	6.030	0.006	87	9454	1.00	0.7774	
63 1,2-Dichloropropane	63	6.164	6.158	0.006	84	9821	1.00	0.9481	
64 Dibromomethane	93	6.292	6.298	-0.006	89	5182	1.00	0.9581	
66 1,4-Dioxane	88	6.304	6.304	0.000	0	1542	20.0	21.6	M
67 Dichlorobromomethane	83	6.456	6.450	0.006	88	9079	1.00	0.9134	
69 2-Chloroethyl vinyl ether	63	6.724	6.723	0.001	89	7181	1.00	0.9662	
71 cis-1,3-Dichloropropene	75	6.870	6.863	0.007	81	10331	1.00	0.8655	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	98	26906	5.00	4.66	
73 Toluene	92	7.155	7.155	0.000	94	19069	1.00	0.9388	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	80	9965	1.00	0.9353	
77 Ethyl methacrylate	69	7.484	7.478	0.006	92	8768	1.00	0.9275	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	88	5606	1.00	0.9620	
79 Tetrachloroethene	166	7.697	7.691	0.006	0	9413	1.00	0.99	M
80 1,3-Dichloropropane	76	7.788	7.788	0.000	80	11469	1.00	0.9309	
82 2-Hexanone	43	7.855	7.855	0.000	95	56592	5.00	4.67	
83 Chlorodibromomethane	129	8.025	8.025	0.000	87	5995	1.00	0.7874	
84 Ethylene Dibromide	107	8.141	8.135	0.006	97	6940	1.00	0.9226	
85 Chlorobenzene	112	8.616	8.609	0.007	93	23391	1.00	0.9760	
88 Ethylbenzene	91	8.695	8.701	-0.006	98	35783	1.00	0.9446	
89 1,1,1,2-Tetrachloroethane	131	8.713	8.707	0.006	82	7077	1.00	0.8821	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	96	14532	1.00	0.9720	
91 o-Xylene	106	9.254	9.254	0.000	91	14752	1.00	1.01	
92 Styrene	104	9.279	9.285	-0.006	91	23382	1.00	0.9449	
93 Bromoform	173	9.540	9.534	0.006	89	4038	1.00	0.8764	
95 Isopropylbenzene	105	9.632	9.631	0.001	95	35959	1.00	0.9650	
97 Bromobenzene	156	9.978	9.978	0.000	87	9396	1.00	0.9156	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.033	-0.006	91	8332	1.00	0.8838	
100 N-Propylbenzene	91	10.051	10.051	0.000	98	43157	1.00	1.00	
99 1,2,3-Trichloropropane	110	10.063	10.069	-0.006	57	3748	1.00	1.12	
101 trans-1,4-Dichloro-2-butene	53	10.076	10.075	0.001	42	4500	1.00	0.8772	
102 2-Chlorotoluene	126	10.161	10.161	0.000	95	8646	1.00	0.9397	
104 1,3,5-Trimethylbenzene	105	10.234	10.228	0.006	96	31114	1.00	0.9737	
105 4-Chlorotoluene	91	10.270	10.270	0.000	95	27103	1.00	0.9851	
106 tert-Butylbenzene	134	10.544	10.544	0.000	94	7414	1.00	1.02	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	97	33868	1.00	1.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	35970	1.00	0.9388	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	80	20378	1.00	1.03	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	93	31934	1.00	0.9080	
113 1,4-Dichlorobenzene	146	10.982	10.976	0.006	91	19878	1.00	1.00	
115 n-Butylbenzene	91	11.274	11.274	0.000	92	25735	1.00	0.8627	
116 1,2-Dichlorobenzene	146	11.335	11.329	0.006	93	20674	1.00	1.05	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	65	1469	1.00	0.9017	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	96	13475	1.00	0.9566	
120 Hexachlorobutadiene	225	12.844	12.837	0.007	84	5312	1.00	0.8694	
121 Naphthalene	128	12.941	12.941	0.000	97	36161	1.00	0.9447	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	94	14057	1.00	1.04	
S 124 1,2-Dichloroethene, Total	1				0			2.08	
S 123 1,3-Dichloropropene, Total	1				0			1.80	
S 126 Xylenes, Total	1				0			1.98	
S 125 Total BTEX	1				0			4.85	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00198	Amount Added:	1.00	Units: uL	
GAS CORP mix_00427	Amount Added:	1.00	Units: uL	
N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00202	Amount Added:	1.00	Units: uL	Run Reagent

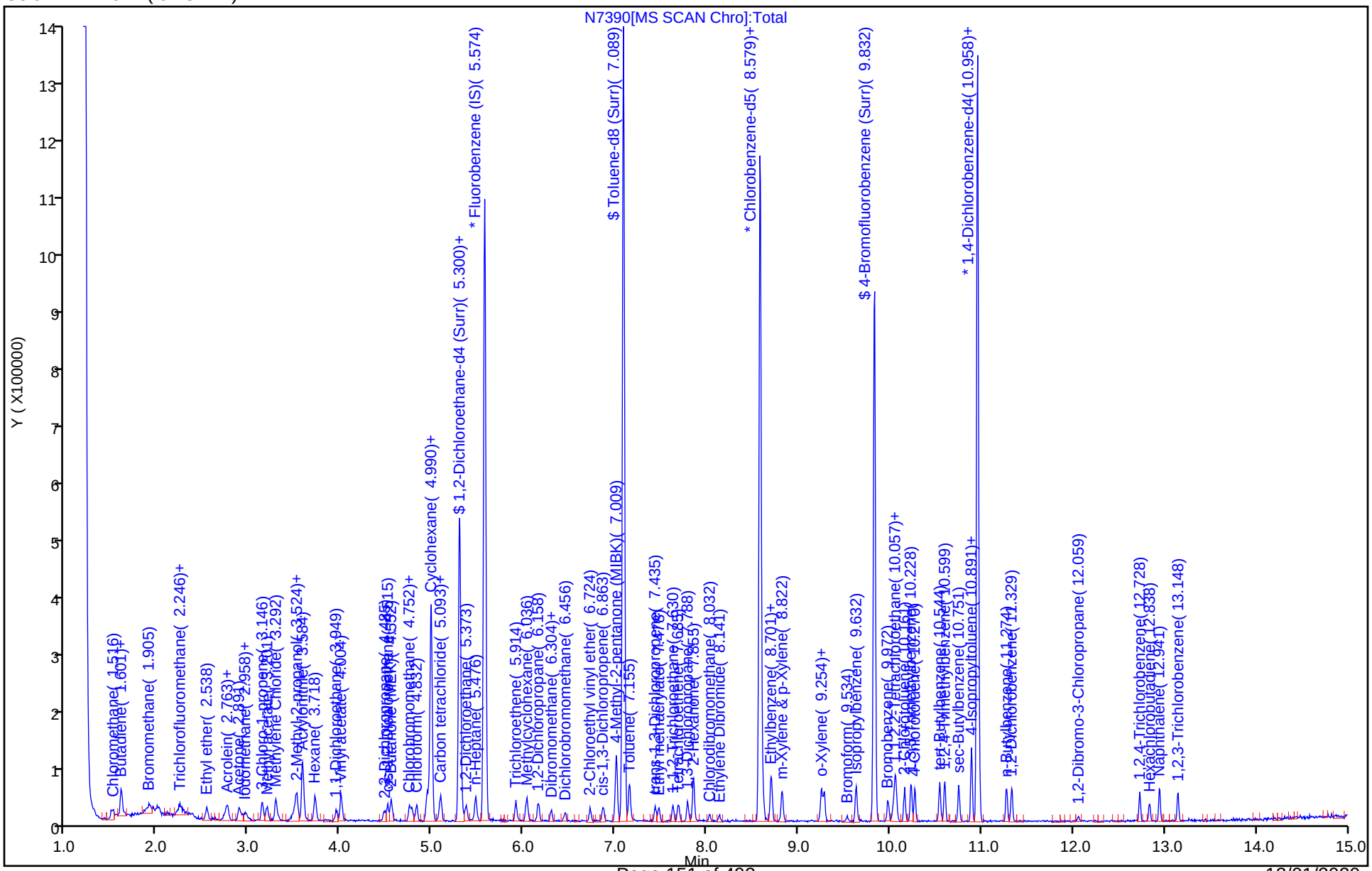
Report Date: 18-Nov-2020 17:53:14 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7390.D

Injection Date:	18-Nov-2020 14:28:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

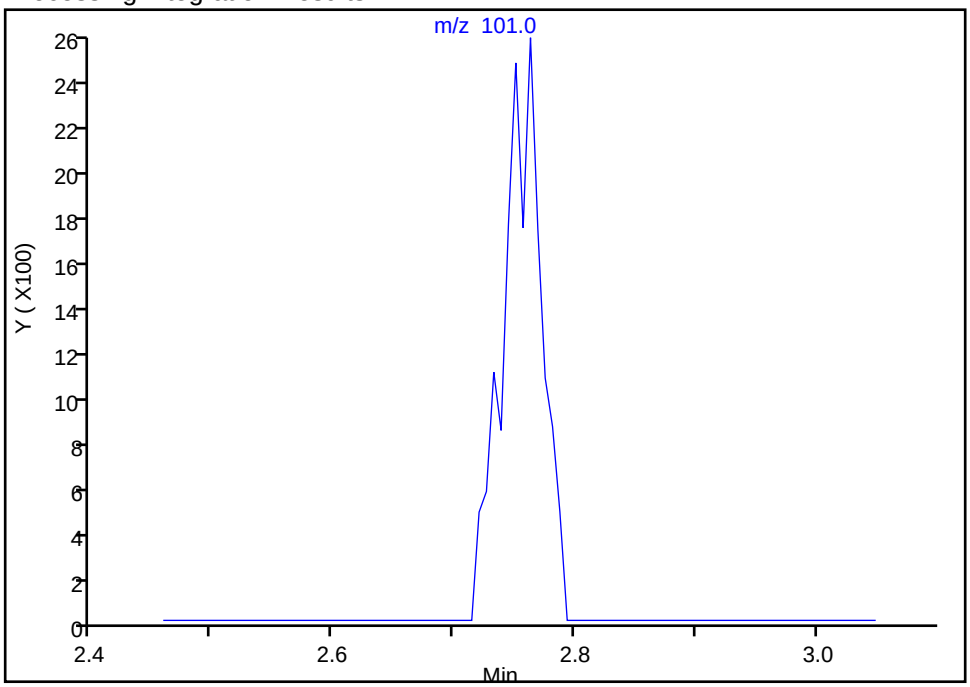
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Injection Date: 18-Nov-2020 14:28:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

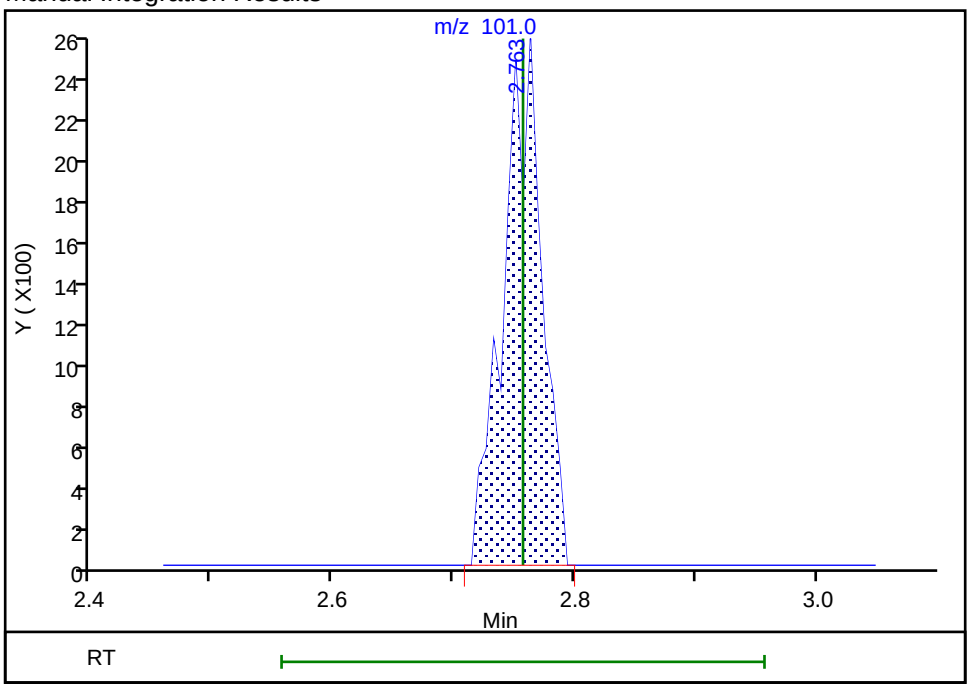
Not Detected
Expected RT: 2.76

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 5693
Amount: 0.902175
Amount Units: ug/L



Reviewer: HillL, 18-Nov-2020 17:42:10
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

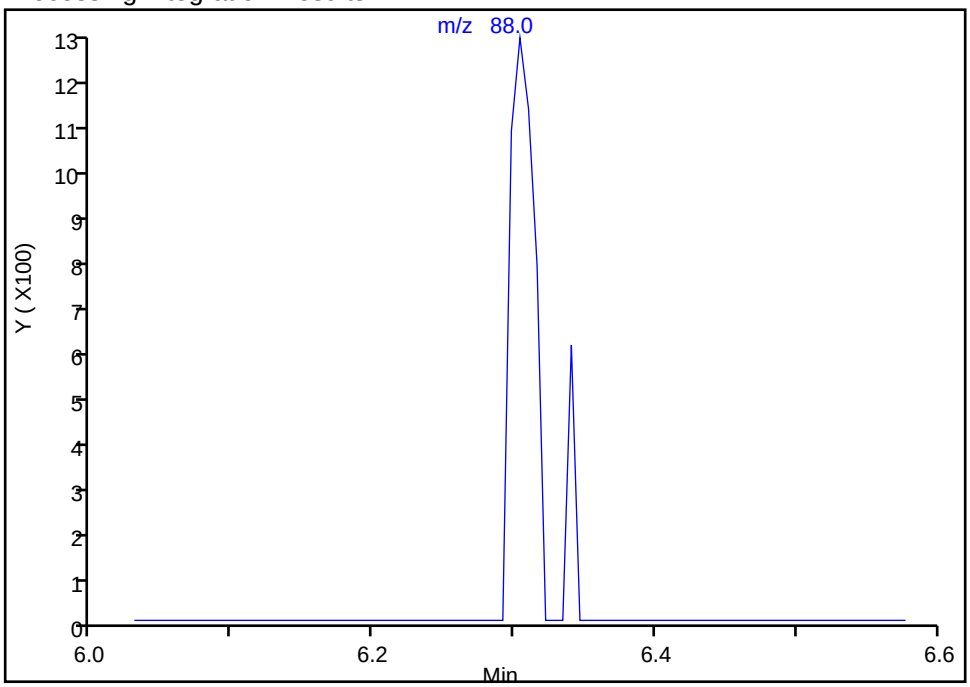
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7390.D
Injection Date: 18-Nov-2020 14:28:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

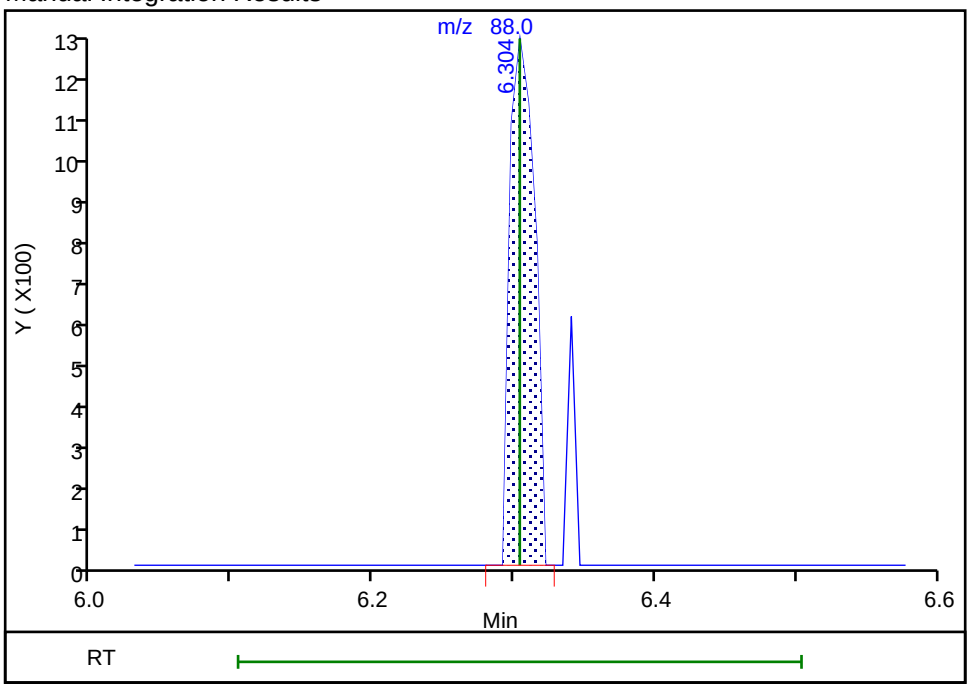
Not Detected
Expected RT: 6.30

Processing Integration Results



Manual Integration Results

RT: 6.30
Area: 1542
Amount: 21.574627
Amount Units: ug/L



Reviewer: HillL, 18-Nov-2020 15:22:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

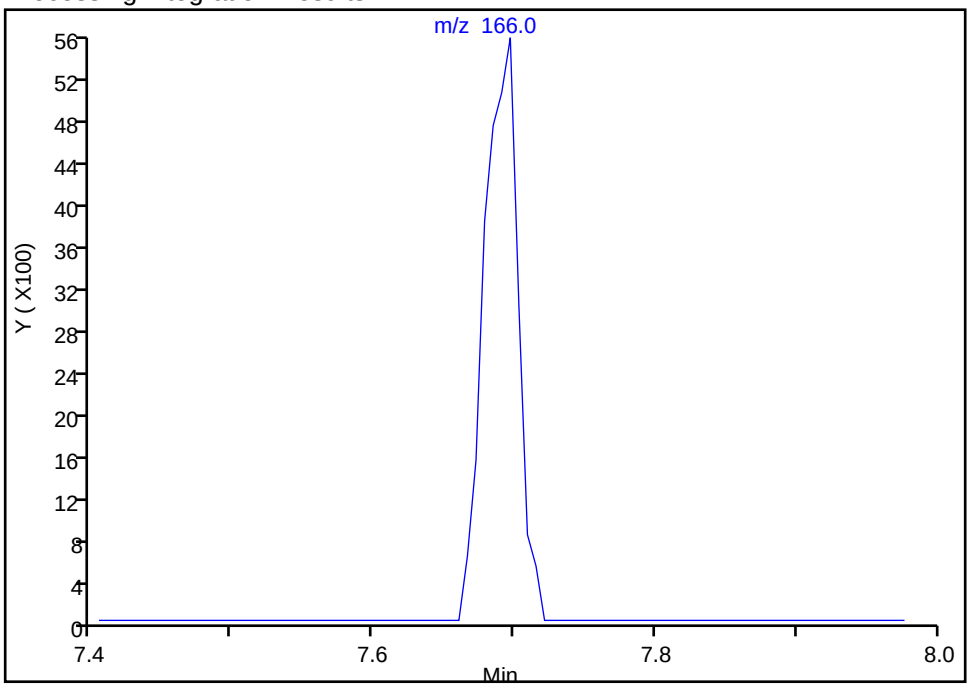
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Injection Date: 18-Nov-2020 14:28:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

79 Tetrachloroethene, CAS: 127-18-4

Signal: 1

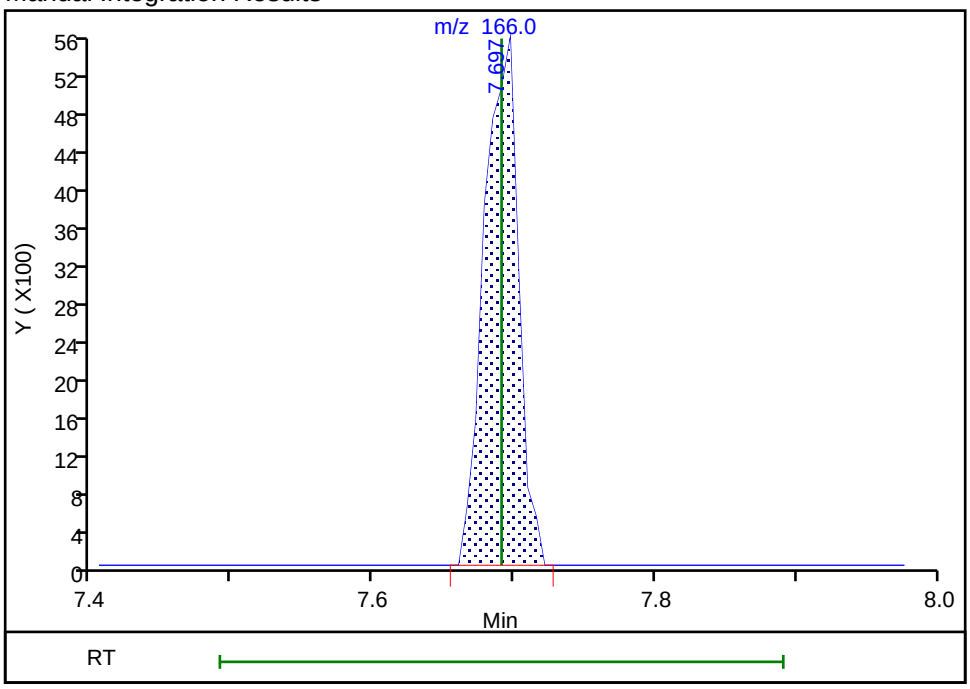
Not Detected
Expected RT: 7.69

Processing Integration Results



Manual Integration Results

RT: 7.70
Area: 9413
Amount: 0.994844
Amount Units: ug/L



Reviewer: HillL, 18-Nov-2020 15:22:59
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7391.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Nov-2020 14:52:30 ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0095054-010
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Nov-2020 17:53:18 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: HillL Date: 18-Nov-2020 15:41:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	143127	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.579	0.006	91	559871	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	306906	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.990	0.000	93	201732	25.0	25.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	94	284663	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	719157	25.0	25.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	90	235319	25.0	25.0	
11 Dichlorodifluoromethane	85	1.315	1.309	0.006	97	15853	2.00	2.26	
13 Chloromethane	50	1.504	1.504	0.000	99	40834	2.00	2.37	
14 Vinyl chloride	62	1.595	1.601	-0.006	57	24367	2.00	2.29	
144 Butadiene	54	1.607	1.607	0.000	98	33611	2.00	2.34	
15 Bromomethane	94	1.923	1.917	0.006	84	12042	2.00	2.23	
16 Chloroethane	64	2.009	2.009	0.000	95	13809	2.00	2.25	
17 Dichlorofluoromethane	67	2.246	2.240	0.006	93	28013	2.00	2.24	
18 Trichlorofluoromethane	101	2.240	2.252	-0.012	77	24476	2.00	2.22	
19 Ethyl ether	59	2.538	2.538	0.000	92	23168	2.00	2.21	
20 Acrolein	56	2.726	2.727	-0.001	98	13103	10.0	10.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.757	2.757	0.000	0	14293	2.00	2.33	M
22 1,1-Dichloroethene	96	2.763	2.763	0.000	92	13967	2.00	2.38	
23 Acetone	43	2.891	2.885	0.006	97	59514	10.0	10.5	
24 Iodomethane	142	2.927	2.927	0.000	96	28822	2.00	2.28	
25 Carbon disulfide	76	2.964	2.958	0.006	95	41307	2.00	2.22	
27 3-Chloro-1-propene	41	3.146	3.140	0.006	86	53310	2.00	2.18	
28 Methyl acetate	43	3.195	3.189	0.006	99	61427	4.00	4.16	
30 Methylene Chloride	84	3.292	3.292	0.000	85	19433	2.00	2.14	
31 2-Methyl-2-propanol	59	3.475	3.475	0.000	96	29708	20.0	21.5	
32 Methyl tert-butyl ether	73	3.511	3.511	0.000	88	50143	2.00	2.17	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.000	87	16008	2.00	2.15	
34 Acrylonitrile	53	3.584	3.584	0.000	99	149049	20.0	20.7	
35 Hexane	57	3.724	3.718	0.006	95	42830	2.00	2.47	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.955	3.949	0.006	96	40505	2.00	2.32	
39 Vinyl acetate	43	4.004	4.004	0.000	97	136110	4.00	3.94	
42 2,2-Dichloropropane	77	4.479	4.473	0.006	62	17642	2.00	2.35	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	87	19018	2.00	2.23	
44 2-Butanone (MEK)	43	4.552	4.552	0.000	96	94874	10.0	10.2	
47 Chlorobromomethane	128	4.752	4.752	0.000	85	11205	2.00	2.37	
49 Tetrahydrofuran	42	4.777	4.777	0.000	91	28504	4.00	4.22	
50 Chloroform	83	4.831	4.831	0.000	93	32825	2.00	2.27	
51 1,1,1-Trichloroethane	97	4.947	4.941	0.006	93	26137	2.00	2.40	
52 Cyclohexane	56	4.947	4.947	0.000	92	53262	2.00	2.49	
53 Carbon tetrachloride	117	5.081	5.081	0.000	92	20699	2.00	2.19	
54 1,1-Dichloropropene	75	5.099	5.099	0.000	77	22701	2.00	2.23	
55 Benzene	78	5.300	5.300	0.000	55	68767	2.00	2.23	
56 Isobutyl alcohol	43	5.324	5.318	0.006	93	30636	50.0	47.3	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	94	35776	2.00	2.22	
59 n-Heptane	43	5.476	5.476	0.000	93	55845	2.00	2.47	
60 Trichloroethene	95	5.914	5.914	0.000	93	17534	2.00	2.22	
62 Methylcyclohexane	83	6.030	6.030	0.000	89	27752	2.00	2.35	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	88	22769	2.00	2.26	
64 Dibromomethane	93	6.304	6.298	0.006	89	11274	2.00	2.14	
66 1,4-Dioxane	88	6.316	6.304	0.012	40	2892	40.0	41.5	
67 Dichlorobromomethane	83	6.450	6.450	0.000	93	21006	2.00	2.17	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	90	13958	2.00	1.93	
71 cis-1,3-Dichloropropene	75	6.863	6.863	0.000	81	23480	2.00	2.02	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	97	55091	10.0	9.80	
73 Toluene	92	7.155	7.155	0.000	96	45579	2.00	2.30	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	91	21519	2.00	2.07	
77 Ethyl methacrylate	69	7.478	7.478	0.000	88	16374	2.00	1.78	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	89	12007	2.00	2.12	
79 Tetrachloroethene	166	7.691	7.691	0.000	87	22219	2.00	2.41	
80 1,3-Dichloropropane	76	7.794	7.788	0.006	85	26760	2.00	2.23	
82 2-Hexanone	43	7.855	7.855	0.000	97	115493	10.0	9.78	
83 Chlorodibromomethane	129	8.031	8.025	0.006	86	14584	2.00	1.97	
84 Ethylene Dibromide	107	8.135	8.135	0.000	99	15727	2.00	2.15	
85 Chlorobenzene	112	8.615	8.609	0.006	93	51013	2.00	2.19	
88 Ethylbenzene	91	8.701	8.701	0.000	98	80569	2.00	2.18	
89 1,1,1,2-Tetrachloroethane	131	8.713	8.707	0.006	79	17290	2.00	2.21	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	98	32070	2.00	2.20	
91 o-Xylene	106	9.254	9.254	0.000	98	30151	2.00	2.12	
92 Styrene	104	9.285	9.285	0.000	91	49633	2.00	2.06	
93 Bromoform	173	9.534	9.534	0.000	91	8176	2.00	1.82	
95 Isopropylbenzene	105	9.631	9.631	0.000	95	82938	2.00	2.21	
97 Bromobenzene	156	9.978	9.978	0.000	88	22435	2.00	2.17	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.033	0.000	94	20106	2.00	2.12	
100 N-Propylbenzene	91	10.057	10.051	0.006	99	95564	2.00	2.20	
99 1,2,3-Trichloropropane	110	10.063	10.069	-0.006	85	7327	2.00	2.18	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.075	0.000	75	9371	2.00	1.81	
102 2-Chlorotoluene	126	10.161	10.161	0.000	95	21086	2.00	2.27	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	96	69453	2.00	2.16	
105 4-Chlorotoluene	91	10.270	10.270	0.000	98	62236	2.00	2.24	
106 tert-Butylbenzene	134	10.544	10.544	0.000	95	16382	2.00	2.23	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	69583	2.00	2.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	94	85631	2.00	2.22	
110 1,3-Dichlorobenzene	146	10.897	10.891	0.006	79	39726	2.00	1.99	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	97	78633	2.00	2.22	
113 1,4-Dichlorobenzene	146	10.982	10.976	0.006	93	42338	2.00	2.11	
115 n-Butylbenzene	91	11.274	11.274	0.000	97	67267	2.00	2.24	
116 1,2-Dichlorobenzene	146	11.335	11.329	0.006	95	42368	2.00	2.13	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	74	2949	2.00	1.80	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	29030	2.00	2.04	
120 Hexachlorobutadiene	225	12.831	12.837	-0.006	93	13343	2.00	2.17	
121 Naphthalene	128	12.941	12.941	0.000	97	78487	2.00	2.03	
122 1,2,3-Trichlorobenzene	180	13.142	13.148	-0.006	96	30409	2.00	2.23	
S 124 1,2-Dichloroethene, Total	1				0			4.38	
S 123 1,3-Dichloropropene, Total	1				0			4.10	
S 126 Xylenes, Total	1				0			4.33	
S 125 Total BTEX	1				0			11.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00198	Amount Added:	2.00	Units: uL	
GAS CORP mix_00427	Amount Added:	2.00	Units: uL	
N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00202	Amount Added:	1.00	Units: uL	Run Reagent

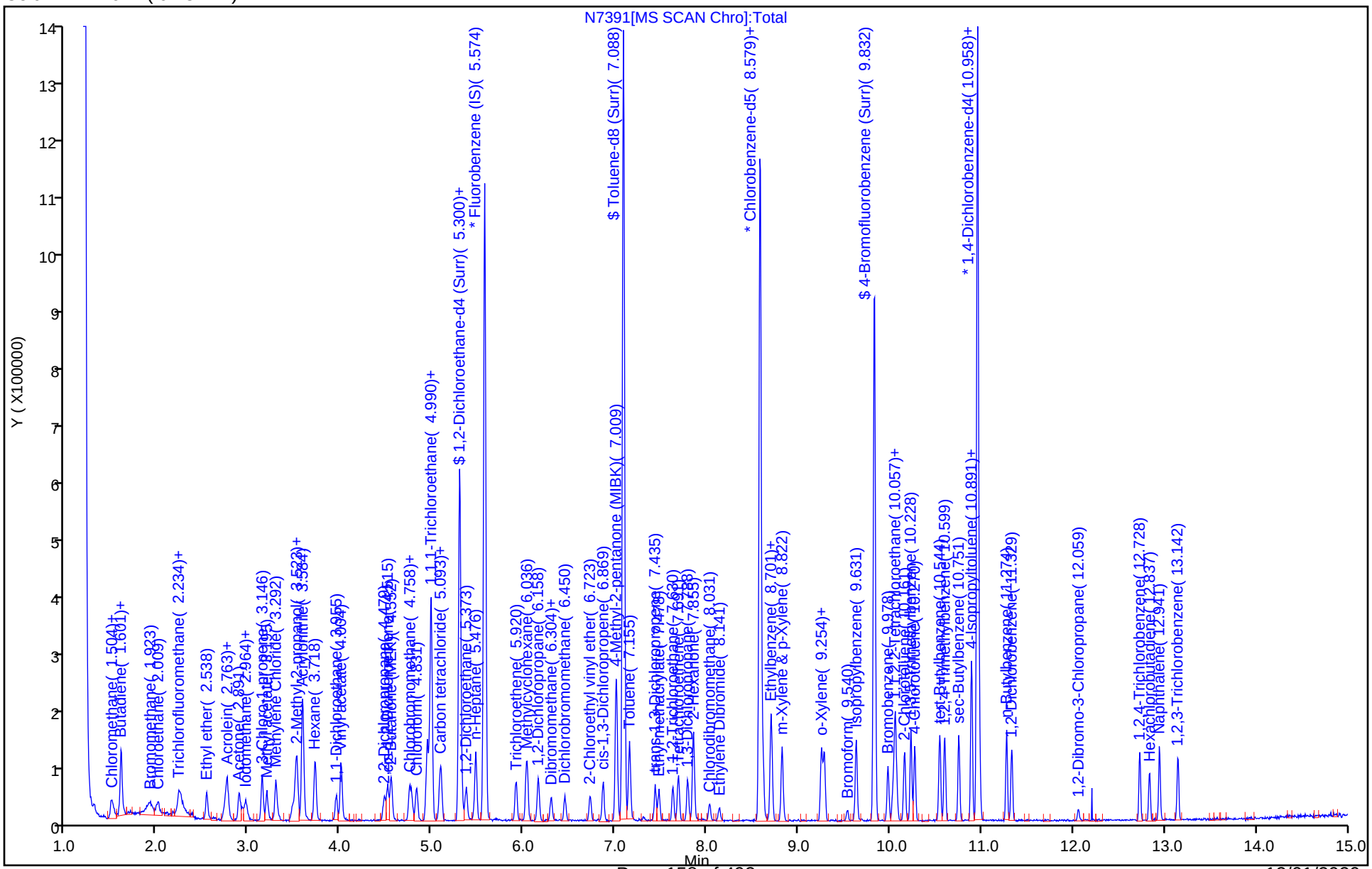
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7391.D

Injection Date:	18-Nov-2020 14:52:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

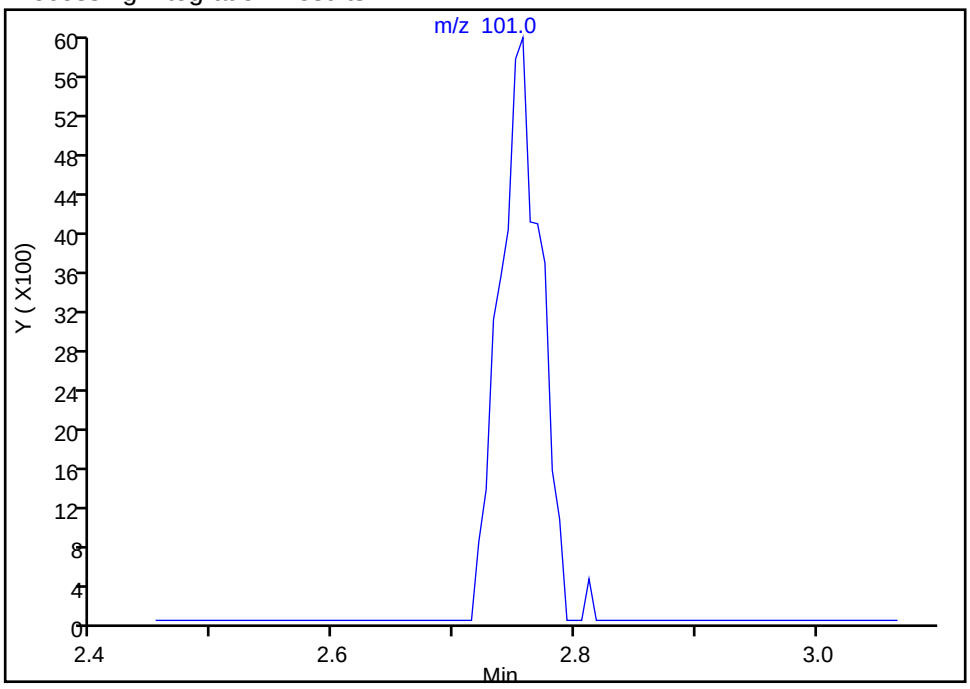
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7391.D
Injection Date: 18-Nov-2020 14:52:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

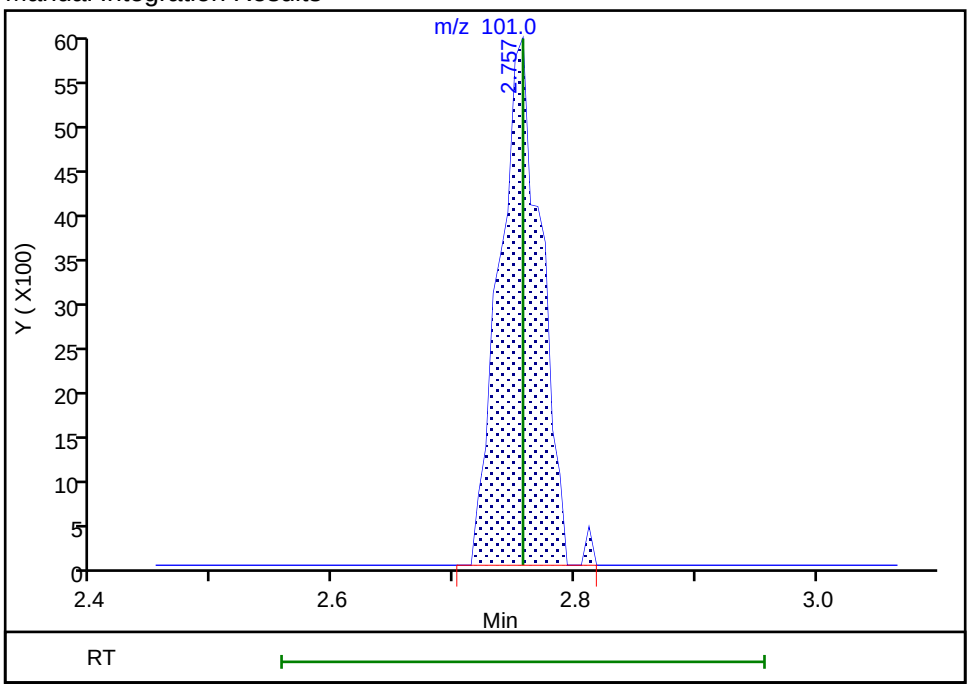
Not Detected
Expected RT: 2.76

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 14293
Amount: 2.328801
Amount Units: ug/L



Reviewer: HillL, 18-Nov-2020 17:42:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7392.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-Nov-2020 15:16:30 ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0095054-011
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Nov-2020 17:53:24 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: HillL Date: 18-Nov-2020 16:41:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	151618	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	90	562657	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	322669	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.990	0.000	93	202495	25.0	24.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	93	288580	25.0	24.6	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	720636	25.0	25.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	90	238877	25.0	25.2	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	96	36954	5.00	4.97	
13 Chloromethane	50	1.504	1.504	0.000	99	94565	5.00	5.19	
14 Vinyl chloride	62	1.601	1.601	0.000	57	58055	5.00	5.15	
144 Butadiene	54	1.607	1.607	0.000	96	81555	5.00	5.37	
15 Bromomethane	94	1.917	1.917	0.000	93	27104	5.00	4.73	
16 Chloroethane	64	2.009	2.009	0.000	95	32730	5.00	5.03	
17 Dichlorofluoromethane	67	2.240	2.240	0.000	96	64936	5.00	4.91	
18 Trichlorofluoromethane	101	2.252	2.252	0.000	91	57419	5.00	4.92	
19 Ethyl ether	59	2.538	2.538	0.000	91	52469	5.00	4.72	
20 Acrolein	56	2.727	2.727	0.000	95	31861	25.0	24.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.757	2.757	0.000	65	33584	5.00	5.17	
22 1,1-Dichloroethene	96	2.763	2.763	0.000	89	32071	5.00	5.16	
23 Acetone	43	2.885	2.885	0.000	98	144363	25.0	24.2	
24 Iodomethane	142	2.927	2.927	0.000	99	64189	5.00	4.79	
25 Carbon disulfide	76	2.958	2.958	0.000	96	100110	5.00	5.08	
27 3-Chloro-1-propene	41	3.140	3.140	0.000	86	125771	5.00	4.87	
28 Methyl acetate	43	3.189	3.189	0.000	99	148568	10.0	9.51	
30 Methylene Chloride	84	3.292	3.292	0.000	86	45791	5.00	5.43	
31 2-Methyl-2-propanol	59	3.475	3.475	0.000	91	70776	50.0	48.3	
32 Methyl tert-butyl ether	73	3.511	3.511	0.000	90	122699	5.00	5.02	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.000	87	38806	5.00	4.91	
34 Acrylonitrile	53	3.584	3.584	0.000	95	368666	50.0	48.3	
35 Hexane	57	3.718	3.718	0.000	95	89136	5.00	4.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.949	3.949	0.000	96	93669	5.00	5.06	
39 Vinyl acetate	43	4.004	4.004	0.000	96	339265	10.0	9.28	
42 2,2-Dichloropropane	77	4.473	4.473	0.000	78	38973	5.00	4.90	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	87	45236	5.00	5.01	
44 2-Butanone (MEK)	43	4.552	4.552	0.000	95	243706	25.0	24.7	
47 Chlorobromomethane	128	4.752	4.752	0.000	85	24874	5.00	4.96	
49 Tetrahydrofuran	42	4.777	4.777	0.000	92	68696	10.0	9.61	
50 Chloroform	83	4.831	4.831	0.000	94	74733	5.00	4.88	
51 1,1,1-Trichloroethane	97	4.941	4.941	0.000	72	59121	5.00	5.13	
52 Cyclohexane	56	4.947	4.947	0.000	92	112605	5.00	4.97	
53 Carbon tetrachloride	117	5.081	5.081	0.000	94	49049	5.00	4.91	
54 1,1-Dichloropropene	75	5.099	5.099	0.000	80	55753	5.00	5.17	
55 Benzene	78	5.300	5.300	0.000	91	167895	5.00	5.15	
56 Isobutyl alcohol	43	5.318	5.318	0.000	93	78655	125.0	114.6	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	94	83119	5.00	4.87	
59 n-Heptane	43	5.476	5.476	0.000	95	118707	5.00	4.95	
60 Trichloroethene	95	5.914	5.914	0.000	91	43787	5.00	5.23	
62 Methylcyclohexane	83	6.030	6.030	0.000	90	64407	5.00	5.14	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	84	51476	5.00	4.82	
64 Dibromomethane	93	6.298	6.298	0.000	95	27554	5.00	4.94	
66 1,4-Dioxane	88	6.304	6.304	0.000	44	7626	100.0	109.0	
67 Dichlorobromomethane	83	6.450	6.450	0.000	95	49104	5.00	4.79	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	84	36219	5.00	4.73	
71 cis-1,3-Dichloropropene	75	6.863	6.863	0.000	81	59382	5.00	4.83	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	98	142726	25.0	25.3	
73 Toluene	92	7.155	7.155	0.000	96	108198	5.00	5.44	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	92	52029	5.00	4.99	
77 Ethyl methacrylate	69	7.478	7.478	0.000	89	47592	5.00	5.14	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	93	29322	5.00	5.14	
79 Tetrachloroethene	166	7.691	7.691	0.000	95	48851	5.00	5.27	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	84	63499	5.00	5.26	
82 2-Hexanone	43	7.855	7.855	0.000	97	304447	25.0	25.6	
83 Chlorodibromomethane	129	8.025	8.025	0.000	90	36675	5.00	4.92	
84 Ethylene Dibromide	107	8.135	8.135	0.000	96	37787	5.00	5.13	
85 Chlorobenzene	112	8.609	8.609	0.000	93	120201	5.00	5.12	
88 Ethylbenzene	91	8.701	8.701	0.000	97	193491	5.00	5.22	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.707	0.000	43	40322	5.00	5.13	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	98	74697	5.00	5.10	
91 o-Xylene	106	9.254	9.254	0.000	96	73908	5.00	5.18	
92 Styrene	104	9.285	9.285	0.000	91	120745	5.00	4.98	
93 Bromoform	173	9.534	9.534	0.000	97	23261	5.00	5.16	
95 Isopropylbenzene	105	9.631	9.631	0.000	97	201253	5.00	5.10	
97 Bromobenzene	156	9.978	9.978	0.000	84	54043	5.00	4.97	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.033	0.000	94	49422	5.00	4.95	
100 N-Propylbenzene	91	10.051	10.051	0.000	99	230601	5.00	5.05	
99 1,2,3-Trichloropropane	110	10.069	10.069	0.000	90	17115	5.00	4.85	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.075	0.000	72	26442	5.00	4.86	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	50416	5.00	5.17	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	96	169904	5.00	5.02	
105 4-Chlorotoluene	91	10.270	10.270	0.000	97	143722	5.00	4.93	
106 tert-Butylbenzene	134	10.544	10.544	0.000	96	39974	5.00	5.17	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	97	172226	5.00	5.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	210819	5.00	5.19	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	89	102681	5.00	4.90	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	97	192145	5.00	5.15	
113 1,4-Dichlorobenzene	146	10.976	10.976	0.000	96	107179	5.00	5.08	
115 n-Butylbenzene	91	11.274	11.274	0.000	97	163311	5.00	5.17	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	106422	5.00	5.08	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	72	7197	5.00	4.17	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	75491	5.00	5.06	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	96	33950	5.00	5.24	
121 Naphthalene	128	12.941	12.941	0.000	97	192482	5.00	4.74	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	94	69516	5.00	4.86	
S 124 1,2-Dichloroethene, Total	1				0			9.92	
S 123 1,3-Dichloropropene, Total	1				0			9.82	
S 126 Xylenes, Total	1				0			10.3	
S 125 Total BTEX	1				0			26.1	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00198	Amount Added:	5.00	Units: uL	
GAS CORP mix_00427	Amount Added:	5.00	Units: uL	
N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00202	Amount Added:	1.00	Units: uL	Run Reagent

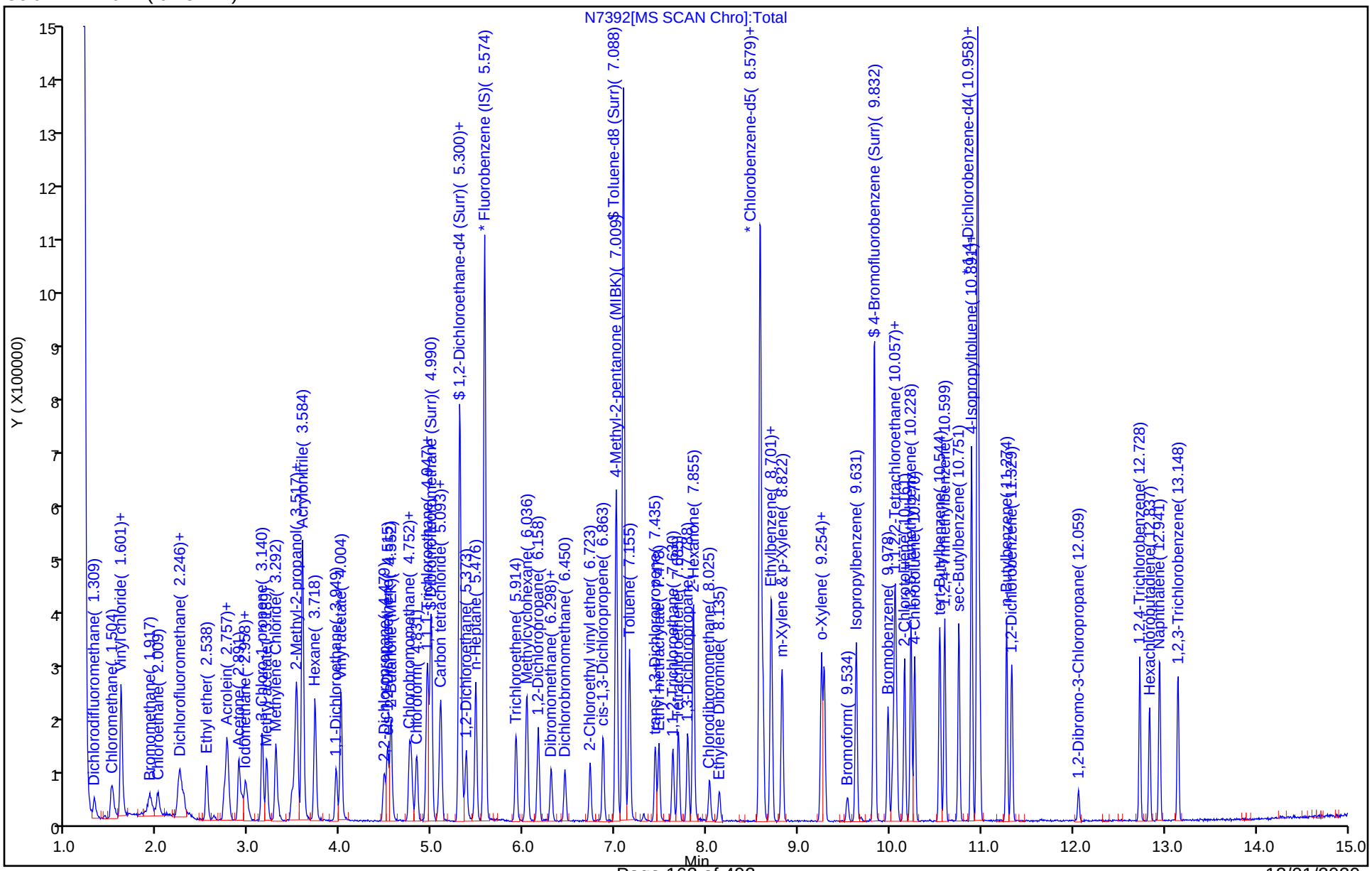
Report Date: 18-Nov-2020 17:53:25 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7392.D

Injection Date:	18-Nov-2020 15:16:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7393.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-Nov-2020 15:40:30 ALS Bottle#: 10 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0095054-012
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Nov-2020 17:53:29 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: HillL Date: 18-Nov-2020 16:42:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	147430	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.579	0.006	90	587280	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	319302	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.990	0.000	93	206585	25.0	25.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	91	293166	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	738299	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	94	246442	25.0	24.9	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	97	71951	10.0	9.96	
13 Chloromethane	50	1.504	1.504	0.000	99	174106	10.0	9.83	
14 Vinyl chloride	62	1.601	1.601	0.000	55	110829	10.0	10.1	
144 Butadiene	54	1.601	1.607	-0.006	98	147667	10.0	10.0	
15 Bromomethane	94	1.917	1.917	0.000	92	50633	10.0	9.09	
16 Chloroethane	64	2.003	2.009	-0.006	94	60551	10.0	9.56	
17 Dichlorofluoromethane	67	2.240	2.240	0.000	96	131375	10.0	10.2	
18 Trichlorofluoromethane	101	2.240	2.252	-0.012	90	115547	10.0	10.2	
19 Ethyl ether	59	2.538	2.538	0.000	91	108612	10.0	10.0	
20 Acrolein	56	2.726	2.727	-0.001	100	61801	50.0	47.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.763	2.757	0.006	65	59723	10.0	9.45	
22 1,1-Dichloroethene	96	2.763	2.763	0.000	92	61329	10.0	10.2	
23 Acetone	43	2.891	2.885	0.006	97	293182	50.0	50.5	
24 Iodomethane	142	2.927	2.927	0.000	99	126236	10.0	9.69	
25 Carbon disulfide	76	2.964	2.958	0.006	97	183166	10.0	9.56	
27 3-Chloro-1-propene	41	3.140	3.140	0.000	85	230057	10.0	9.15	
28 Methyl acetate	43	3.195	3.189	0.006	99	298111	20.0	19.6	
30 Methylene Chloride	84	3.292	3.292	0.000	87	76101	10.0	9.66	
31 2-Methyl-2-propanol	59	3.469	3.475	-0.006	97	137852	100.0	96.8	
32 Methyl tert-butyl ether	73	3.505	3.511	-0.006	90	242171	10.0	10.2	
33 trans-1,2-Dichloroethene	96	3.530	3.523	0.007	87	72785	10.0	9.47	
34 Acrylonitrile	53	3.584	3.584	0.000	98	747136	100.0	100.6	
35 Hexane	57	3.724	3.718	0.006	96	166001	10.0	9.31	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.955	3.949	0.006	97	176091	10.0	9.78	
39 Vinyl acetate	43	4.004	4.004	0.000	96	717641	20.0	20.2	
42 2,2-Dichloropropane	77	4.479	4.473	0.006	77	71693	10.0	9.27	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	87	85867	10.0	9.78	
44 2-Butanone (MEK)	43	4.552	4.552	0.000	95	489546	50.0	51.0	
47 Chlorobromomethane	128	4.752	4.752	0.000	84	47172	10.0	9.67	
49 Tetrahydrofuran	42	4.771	4.777	-0.006	90	133640	20.0	19.2	
50 Chloroform	83	4.831	4.831	0.000	94	142563	10.0	9.57	
51 1,1,1-Trichloroethane	97	4.947	4.941	0.006	93	105804	10.0	9.44	
52 Cyclohexane	56	4.953	4.947	0.006	92	198011	10.0	8.99	
53 Carbon tetrachloride	117	5.087	5.081	0.006	93	94565	10.0	9.73	
54 1,1-Dichloropropene	75	5.099	5.099	0.000	82	98960	10.0	9.44	
55 Benzene	78	5.300	5.300	0.000	90	304186	10.0	9.60	
56 Isobutyl alcohol	43	5.324	5.318	0.006	94	168992	250.0	253.3	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	95	159509	10.0	9.61	
59 n-Heptane	43	5.476	5.476	0.000	94	211183	10.0	9.05	
60 Trichloroethene	95	5.914	5.914	0.000	91	80912	10.0	9.94	
62 Methylcyclohexane	83	6.030	6.030	0.000	92	116570	10.0	9.57	
63 1,2-Dichloropropane	63	6.164	6.158	0.006	84	100342	10.0	9.67	
64 Dibromomethane	93	6.298	6.298	0.000	91	53412	10.0	9.86	
66 1,4-Dioxane	88	6.310	6.304	0.006	47	13175	200.0	180.4	
67 Dichlorobromomethane	83	6.450	6.450	0.000	93	95764	10.0	9.62	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	83	74195	10.0	9.96	
71 cis-1,3-Dichloropropene	75	6.869	6.863	0.006	82	119054	10.0	9.96	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	97	302988	50.0	51.4	
73 Toluene	92	7.155	7.155	0.000	96	206170	10.0	9.93	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	89	105089	10.0	9.65	
77 Ethyl methacrylate	69	7.478	7.478	0.000	86	95123	10.0	9.85	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	92	55607	10.0	9.34	
79 Tetrachloroethene	166	7.691	7.691	0.000	93	86875	10.0	8.99	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	84	121273	10.0	9.63	
82 2-Hexanone	43	7.855	7.855	0.000	97	652756	50.0	52.7	
83 Chlorodibromomethane	129	8.031	8.025	0.006	87	79850	10.0	10.3	
84 Ethylene Dibromide	107	8.135	8.135	0.000	100	74387	10.0	9.68	
85 Chlorobenzene	112	8.615	8.609	0.006	93	240405	10.0	9.82	
88 Ethylbenzene	91	8.701	8.701	0.000	97	370867	10.0	9.58	
89 1,1,1,2-Tetrachloroethane	131	8.713	8.707	0.006	90	77562	10.0	9.46	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	145260	10.0	9.51	
91 o-Xylene	106	9.254	9.254	0.000	96	146180	10.0	9.82	
92 Styrene	104	9.285	9.285	0.000	92	243362	10.0	9.63	
93 Bromoform	173	9.534	9.534	0.000	96	46574	10.0	9.89	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	384897	10.0	9.85	
97 Bromobenzene	156	9.978	9.978	0.000	85	103931	10.0	9.66	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.033	0.000	94	101698	10.0	10.3	
100 N-Propylbenzene	91	10.051	10.051	0.000	99	431663	10.0	9.56	
99 1,2,3-Trichloropropane	110	10.063	10.069	-0.006	92	35960	10.0	10.3	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.075	0.000	78	54564	10.0	10.1	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	95963	10.0	9.94	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	95	318994	10.0	9.52	
105 4-Chlorotoluene	91	10.270	10.270	0.000	97	283807	10.0	9.83	
106 tert-Butylbenzene	134	10.544	10.544	0.000	96	75179	10.0	9.82	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	332196	10.0	9.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	386370	10.0	9.62	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	74	202305	10.0	9.75	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	97	357851	10.0	9.70	
113 1,4-Dichlorobenzene	146	10.982	10.976	0.006	95	208335	10.0	9.97	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	306693	10.0	9.80	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	205045	10.0	9.89	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	76	19072	10.0	11.2	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	139777	10.0	9.46	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	96	60690	10.0	9.47	
121 Naphthalene	128	12.947	12.941	0.006	97	392085	10.0	9.77	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	97	133109	10.0	9.39	
S 124 1,2-Dichloroethene, Total	1				0			19.2	
S 123 1,3-Dichloropropene, Total	1				0			19.6	
S 126 Xylenes, Total	1				0			19.3	
S 125 Total BTEX	1				0			48.4	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00198	Amount Added:	5.00	Units: uL	
GAS CORP mix_00427	Amount Added:	5.00	Units: uL	
N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00202	Amount Added:	1.00	Units: uL	Run Reagent

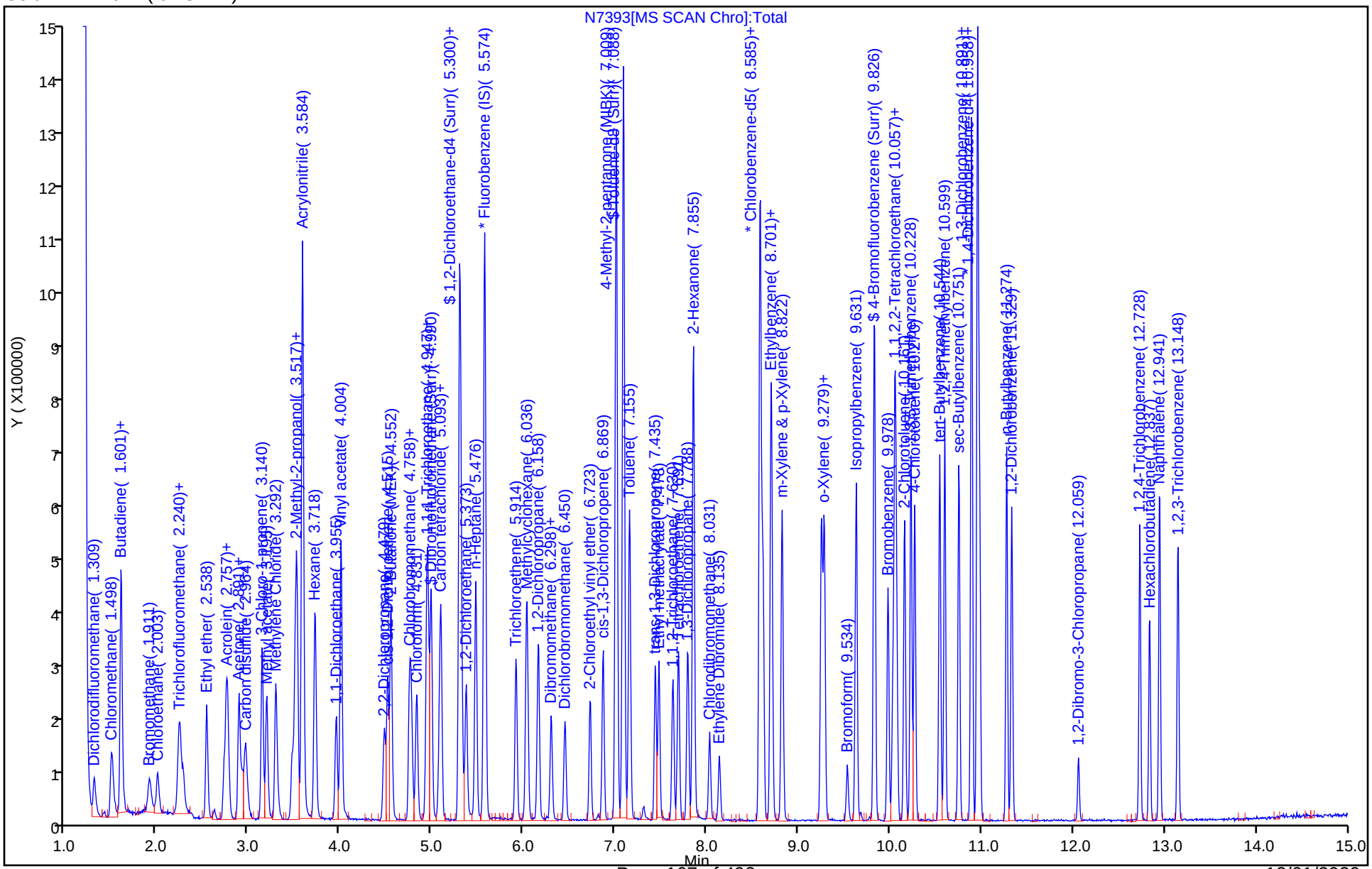
Report Date: 18-Nov-2020 17:53:30 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7393.D

Injection Date:	18-Nov-2020 15:40:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7394.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 18-Nov-2020 16:04:30 ALS Bottle#: 11 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0095054-013
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Nov-2020 17:53:34 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: HillL Date: 18-Nov-2020 17:51:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	151378	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.585	0.000	89	585597	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	320501	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.984	4.984	0.000	92	203203	25.0	24.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	76	287472	25.0	24.5	
$ 6 Toluene-d8 (Surr)	98	7.089	7.089	0.000	96	750654	25.0	25.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	94	245653	25.0	24.9	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	97	178253	25.0	24.0	
13 Chloromethane	50	1.498	1.498	0.000	100	431730	25.0	23.7	
14 Vinyl chloride	62	1.601	1.601	0.000	56	262357	25.0	23.3	
144 Butadiene	54	1.601	1.601	0.000	96	352823	25.0	23.3	
15 Bromomethane	94	1.911	1.911	0.000	92	128302	25.0	22.4	
16 Chloroethane	64	2.003	2.003	0.000	94	156992	25.0	24.1	
17 Dichlorofluoromethane	67	2.240	2.240	0.000	96	326222	25.0	24.7	
18 Trichlorofluoromethane	101	2.252	2.252	0.000	95	275177	25.0	23.6	
19 Ethyl ether	59	2.538	2.538	0.000	92	276858	25.0	24.9	
20 Acrolein	56	2.727	2.727	0.000	98	160966	125.0	121.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.751	2.751	0.000	93	163435	25.0	25.2	
22 1,1-Dichloroethene	96	2.757	2.757	0.000	90	151982	25.0	24.5	
23 Acetone	43	2.891	2.891	0.000	97	708215	125.0	118.7	
24 Iodomethane	142	2.921	2.921	0.000	98	335400	25.0	25.1	
25 Carbon disulfide	76	2.964	2.964	0.000	97	494356	25.0	25.1	
27 3-Chloro-1-propene	41	3.146	3.146	0.000	86	635599	25.0	24.6	
28 Methyl acetate	43	3.189	3.189	0.000	99	744198	50.0	47.7	
30 Methylene Chloride	84	3.298	3.298	0.000	86	193346	25.0	24.7	
31 2-Methyl-2-propanol	59	3.475	3.475	0.000	97	358722	250.0	245.3	
32 Methyl tert-butyl ether	73	3.505	3.505	0.000	90	612648	25.0	25.1	
33 trans-1,2-Dichloroethene	96	3.524	3.524	0.000	88	194174	25.0	24.6	
34 Acrylonitrile	53	3.584	3.584	0.000	98	1865837	250.0	244.6	
35 Hexane	57	3.718	3.718	0.000	96	447152	25.0	24.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.949	3.949	0.000	96	461231	25.0	25.0	
39 Vinyl acetate	43	4.004	4.004	0.000	96	1901706	50.0	52.1	
42 2,2-Dichloropropane	77	4.479	4.479	0.000	80	198825	25.0	25.0	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	87	211102	25.0	23.4	
44 2-Butanone (MEK)	43	4.546	4.546	0.000	96	1213649	125.0	123.2	
47 Chlorobromomethane	128	4.752	4.752	0.000	85	123619	25.0	24.7	
49 Tetrahydrofuran	42	4.771	4.771	0.000	92	330102	50.0	46.3	
50 Chloroform	83	4.832	4.832	0.000	93	350099	25.0	22.9	
51 1,1,1-Trichloroethane	97	4.941	4.941	0.000	92	286345	25.0	24.9	
52 Cyclohexane	56	4.947	4.947	0.000	93	547876	25.0	24.2	
53 Carbon tetrachloride	117	5.081	5.081	0.000	93	259771	25.0	26.0	
54 1,1-Dichloropropene	75	5.099	5.099	0.000	82	268966	25.0	25.0	
55 Benzene	78	5.306	5.306	0.000	94	779316	25.0	23.9	
56 Isobutyl alcohol	43	5.318	5.318	0.000	95	448668	625.0	655.0	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	95	410871	25.0	24.1	
59 n-Heptane	43	5.476	5.476	0.000	94	553178	25.0	23.1	
60 Trichloroethene	95	5.914	5.914	0.000	92	207713	25.0	24.9	
62 Methylcyclohexane	83	6.036	6.036	0.000	91	318663	25.0	25.5	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	85	257929	25.0	24.2	
64 Dibromomethane	93	6.298	6.298	0.000	94	138706	25.0	24.9	
66 1,4-Dioxane	88	6.304	6.304	0.000	43	36884	500.0	506.5	
67 Dichlorobromomethane	83	6.450	6.450	0.000	94	262381	25.0	25.7	
69 2-Chloroethyl vinyl ether	63	6.724	6.724	0.000	84	189159	25.0	24.7	
71 cis-1,3-Dichloropropene	75	6.870	6.870	0.000	80	317539	25.0	25.9	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	97	772959	125.0	131.4	
73 Toluene	92	7.155	7.155	0.000	96	515669	25.0	24.9	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	91	285287	25.0	26.3	
77 Ethyl methacrylate	69	7.478	7.478	0.000	87	257049	25.0	26.7	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	93	152887	25.0	25.7	
79 Tetrachloroethene	166	7.691	7.691	0.000	95	237108	25.0	24.6	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	86	312139	25.0	24.9	
82 2-Hexanone	43	7.855	7.855	0.000	97	1567447	125.0	126.9	
83 Chlorodibromomethane	129	8.031	8.031	0.000	89	206740	25.0	26.7	
84 Ethylene Dibromide	107	8.135	8.135	0.000	99	197674	25.0	25.8	
85 Chlorobenzene	112	8.609	8.609	0.000	93	611301	25.0	25.0	
88 Ethylbenzene	91	8.701	8.701	0.000	98	973790	25.0	25.2	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.707	0.000	92	207457	25.0	25.4	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	98	380239	25.0	25.0	
91 o-Xylene	106	9.254	9.254	0.000	98	370846	25.0	25.0	
92 Styrene	104	9.285	9.285	0.000	94	644717	25.0	25.6	
93 Bromoform	173	9.534	9.534	0.000	96	128737	25.0	27.4	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	984466	25.0	25.1	
97 Bromobenzene	156	9.978	9.978	0.000	86	265422	25.0	24.6	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.033	0.000	96	256221	25.0	25.8	
100 N-Propylbenzene	91	10.051	10.051	0.000	98	1136605	25.0	25.1	
99 1,2,3-Trichloropropane	110	10.069	10.069	0.000	91	85142	25.0	24.3	
101 trans-1,4-Dichloro-2-butene	53	10.076	10.076	0.000	82	139882	25.0	25.9	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	248691	25.0	25.7	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	95	850082	25.0	25.3	
105 4-Chlorotoluene	91	10.270	10.270	0.000	97	699335	25.0	24.1	
106 tert-Butylbenzene	134	10.544	10.544	0.000	95	192252	25.0	25.0	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	852472	25.0	25.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	1046612	25.0	25.9	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	72	508321	25.0	24.4	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	97	968394	25.0	26.2	
113 1,4-Dichlorobenzene	146	10.982	10.982	0.000	95	523998	25.0	25.0	
115 n-Butylbenzene	91	11.274	11.274	0.000	97	796058	25.0	25.3	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	96	504674	25.0	24.3	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	79	46268	25.0	27.0	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	362417	25.0	24.4	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	96	163742	25.0	25.5	
121 Naphthalene	128	12.947	12.947	0.000	97	1016256	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	96	349948	25.0	24.6	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00198	Amount Added: 12.50	Units: uL	
GAS CORP mix_00427	Amount Added: 12.50	Units: uL	
N_8260_Surr_00404	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00202	Amount Added: 1.00	Units: uL	Run Reagent

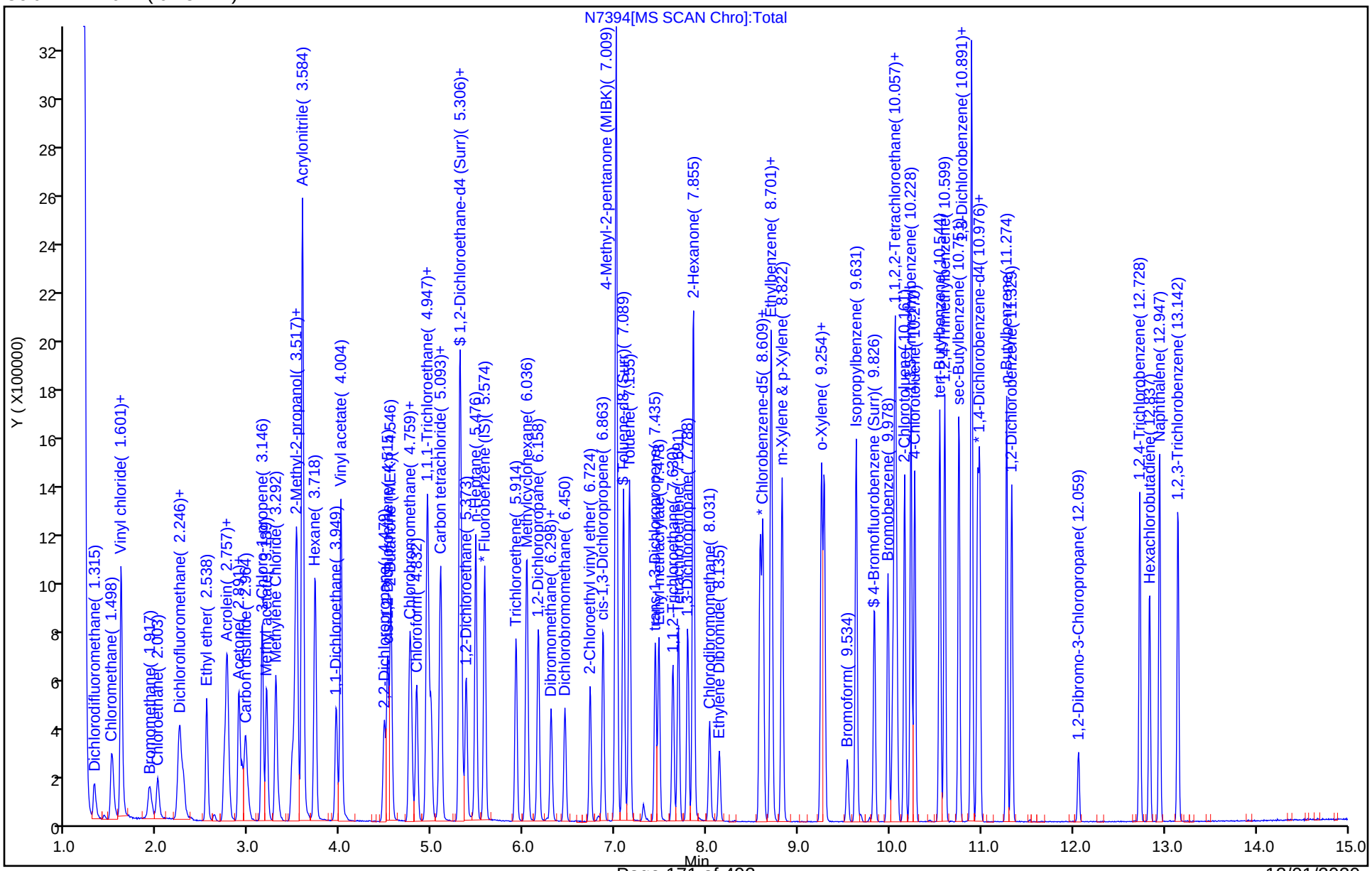
Report Date: 18-Nov-2020 17:53:36 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7394.D

Injection Date:	18-Nov-2020 16:04:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7395.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-Nov-2020 16:28:30 ALS Bottle#: 12 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0095054-014
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Nov-2020 17:53:40 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: HillL Date: 18-Nov-2020 17:38:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	152081	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.585	-0.006	90	607627	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	94	325676	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.984	0.006	94	211592	25.0	25.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	54	291115	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	7.088	7.089	0.000	95	761392	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	92	261331	25.0	25.5	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	97	377086	50.0	50.6	
13 Chloromethane	50	1.498	1.498	0.000	99	881287	50.0	48.2	
14 Vinyl chloride	62	1.601	1.601	0.000	97	550359	50.0	48.7	
144 Butadiene	54	1.601	1.601	0.000	96	765090	50.0	50.2	
15 Bromomethane	94	1.917	1.911	0.006	93	254588	50.0	44.3	
16 Chloroethane	64	2.003	2.003	0.000	93	310179	50.0	47.5	
17 Dichlorofluoromethane	67	2.240	2.240	0.000	96	673529	50.0	50.8	
18 Trichlorofluoromethane	101	2.258	2.252	0.006	96	596520	50.0	51.0	
19 Ethyl ether	59	2.538	2.538	0.000	91	558784	50.0	50.1	
20 Acrolein	56	2.727	2.727	0.000	99	314426	250.0	236.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.757	2.751	0.006	91	351250	50.0	53.9	
22 1,1-Dichloroethene	96	2.763	2.757	0.006	90	321604	50.0	51.6	
23 Acetone	43	2.891	2.891	0.000	97	1431475	250.0	238.8	
24 Iodomethane	142	2.927	2.921	0.006	100	678913	50.0	50.5	
25 Carbon disulfide	76	2.964	2.964	0.000	97	1058897	50.0	53.6	
27 3-Chloro-1-propene	41	3.140	3.146	-0.006	87	1319757	50.0	50.9	
28 Methyl acetate	43	3.195	3.189	0.006	99	1534340	100.0	97.9	
30 Methylene Chloride	84	3.292	3.298	-0.006	87	398172	50.0	51.2	
31 2-Methyl-2-propanol	59	3.469	3.475	-0.006	98	727851	500.0	495.4	
32 Methyl tert-butyl ether	73	3.511	3.505	0.006	94	1268511	50.0	51.7	
33 trans-1,2-Dichloroethene	96	3.523	3.524	-0.001	88	400828	50.0	50.6	
34 Acrylonitrile	53	3.584	3.584	0.000	98	3798391	500.0	495.7	
35 Hexane	57	3.724	3.718	0.006	96	956400	50.0	52.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.949	3.949	0.000	96	956369	50.0	51.5	
39 Vinyl acetate	43	4.004	4.004	0.000	96	4104902	100.0	111.9	
42 2,2-Dichloropropane	77	4.479	4.479	0.000	81	415970	50.0	52.1	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	86	442713	50.0	48.9	
44 2-Butanone (MEK)	43	4.546	4.546	0.000	95	2455808	250.0	248.1	
47 Chlorobromomethane	128	4.752	4.752	0.000	84	256295	50.0	51.0	
49 Tetrahydrofuran	42	4.771	4.771	0.000	92	676757	100.0	94.4	
50 Chloroform	83	4.831	4.832	-0.001	94	732363	50.0	47.6	
51 1,1,1-Trichloroethane	97	4.941	4.941	0.000	94	616444	50.0	53.3	
52 Cyclohexane	56	4.953	4.947	0.006	93	1142863	50.0	50.3	
53 Carbon tetrachloride	117	5.081	5.081	0.000	95	554702	50.0	55.4	
54 1,1-Dichloropropene	75	5.093	5.099	-0.006	83	563938	50.0	52.2	
55 Benzene	78	5.300	5.306	-0.006	90	1619253	50.0	49.5	
56 Isobutyl alcohol	43	5.318	5.318	0.000	94	994870	1250.0	1445.7	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	94	813496	50.0	47.5	
59 n-Heptane	43	5.476	5.476	0.000	95	1221333	50.0	50.8	
60 Trichloroethene	95	5.914	5.914	0.000	91	436478	50.0	52.0	
62 Methylcyclohexane	83	6.036	6.036	0.000	91	683281	50.0	54.4	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	86	529332	50.0	49.4	
64 Dibromomethane	93	6.298	6.298	0.000	91	276417	50.0	49.4	
66 1,4-Dioxane	88	6.304	6.304	0.000	62	76482	1000.0	1012.2	
67 Dichlorobromomethane	83	6.450	6.450	0.000	95	552881	50.0	53.8	
69 2-Chloroethyl vinyl ether	63	6.723	6.724	-0.001	83	393226	50.0	51.2	
71 cis-1,3-Dichloropropene	75	6.869	6.870	-0.001	81	665380	50.0	53.9	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	97	1585060	250.0	259.8	
73 Toluene	92	7.155	7.155	0.000	96	1079751	50.0	50.3	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	91	628926	50.0	55.8	
77 Ethyl methacrylate	69	7.478	7.478	0.000	87	538590	50.0	53.9	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	94	306534	50.0	49.8	
79 Tetrachloroethene	166	7.691	7.691	0.000	95	497727	50.0	49.8	
80 1,3-Dichloropropane	76	7.794	7.788	0.006	85	633379	50.0	48.6	
82 2-Hexanone	43	7.855	7.855	0.000	97	3364106	250.0	262.4	
83 Chlorodibromomethane	129	8.031	8.031	0.000	89	444652	50.0	55.2	
84 Ethylene Dibromide	107	8.135	8.135	0.000	99	412451	50.0	51.9	
85 Chlorobenzene	112	8.609	8.609	0.000	94	1282192	50.0	50.6	
88 Ethylbenzene	91	8.701	8.701	0.000	98	2039057	50.0	50.9	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.707	0.000	92	454795	50.0	53.6	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	798551	50.0	50.5	
91 o-Xylene	106	9.254	9.254	0.000	97	771546	50.0	50.1	
92 Styrene	104	9.285	9.285	0.000	93	1321879	50.0	50.5	
93 Bromoform	173	9.534	9.534	0.000	97	296161	50.0	60.8	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	2090302	50.0	52.4	
97 Bromobenzene	156	9.978	9.978	0.000	86	548903	50.0	50.0	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.033	0.000	94	519693	50.0	51.5	
100 N-Propylbenzene	91	10.051	10.051	0.000	99	2387362	50.0	51.8	
99 1,2,3-Trichloropropane	110	10.063	10.069	-0.006	93	177183	50.0	49.7	
101 trans-1,4-Dichloro-2-butene	53	10.076	10.076	0.000	77	293403	50.0	53.5	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	516102	50.0	52.4	
104 1,3,5-Trimethylbenzene	105	10.234	10.228	0.006	95	1787830	50.0	52.3	
105 4-Chlorotoluene	91	10.270	10.270	0.000	98	1488221	50.0	50.6	
106 tert-Butylbenzene	134	10.544	10.544	0.000	95	406660	50.0	52.1	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	1792888	50.0	51.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	2225120	50.0	54.3	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	72	1068846	50.0	50.5	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	97	1994841	50.0	53.0	
113 1,4-Dichlorobenzene	146	10.982	10.982	0.000	96	1088890	50.0	51.1	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	1681986	50.0	52.7	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	1054494	50.0	49.9	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	87	101502	50.0	58.2	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	763596	50.0	50.7	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	97	338904	50.0	51.9	
121 Naphthalene	128	12.941	12.947	-0.006	97	2140113	50.0	52.3	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	96	747154	50.0	51.7	
S 124 1,2-Dichloroethene, Total	1				0			99.4	
S 123 1,3-Dichloropropene, Total	1				0			109.8	
S 126 Xylenes, Total	1				0			100.6	
S 125 Total BTEX	1				0			251.3	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00198	Amount Added:	25.00	Units: uL	
GAS CORP mix_00427	Amount Added:	25.00	Units: uL	
N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00202	Amount Added:	1.00	Units: uL	Run Reagent

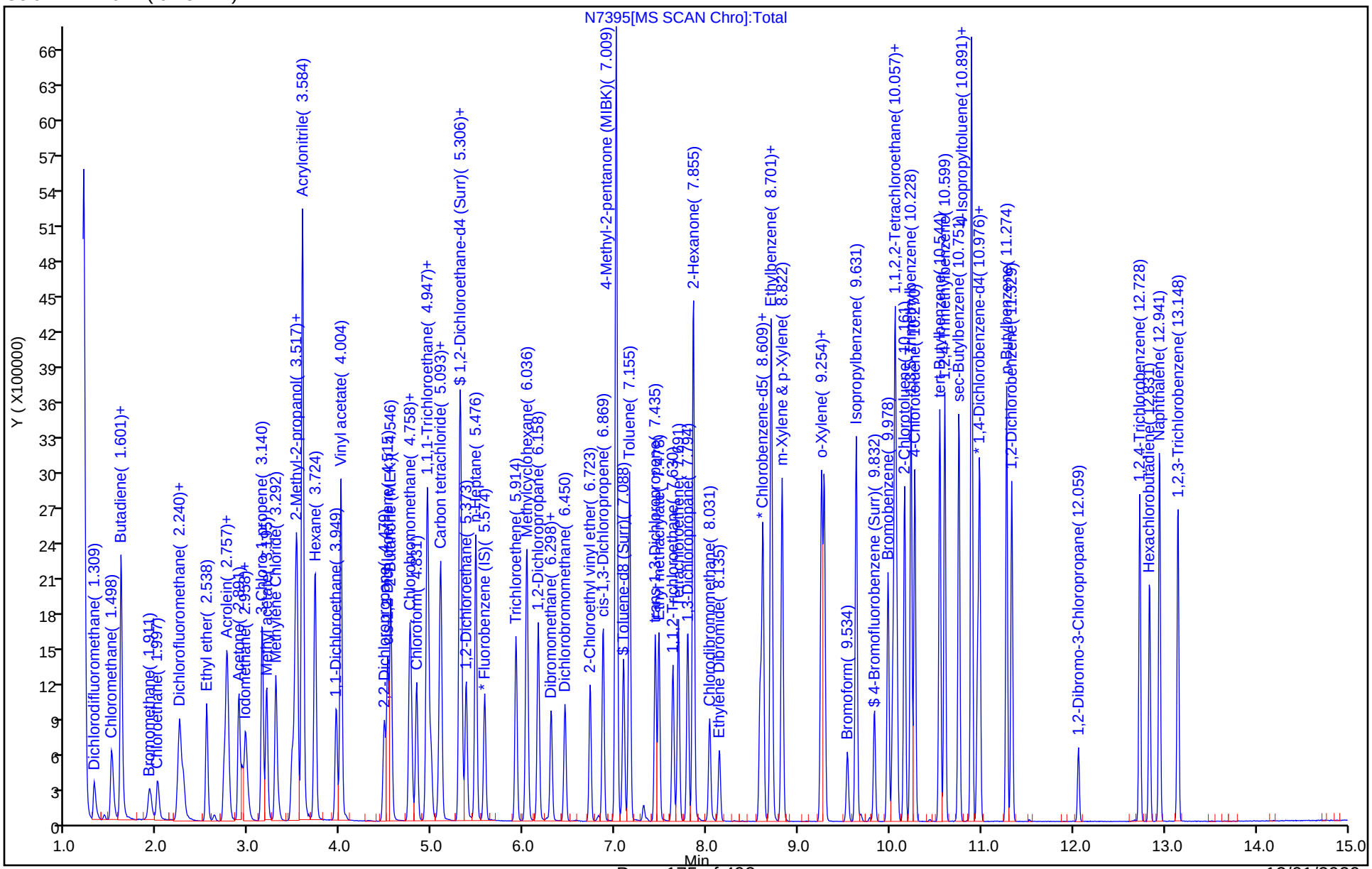
Report Date: 18-Nov-2020 17:53:41 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7395.D

Injection Date:	18-Nov-2020 16:28:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 18-Nov-2020 16:52:30 ALS Bottle#: 13 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0095054-015
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Nov-2020 17:53:46 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: HillL Date: 18-Nov-2020 17:39:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	160395	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.585	0.000	88	649304	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.957	10.958	-0.001	94	340091	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.984	0.006	92	227769	25.0	25.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	47	307974	25.0	24.8	
$ 6 Toluene-d8 (Surr)	98	7.088	7.089	0.000	96	810003	25.0	24.7	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	90	271140	25.0	24.8	
11 Dichlorodifluoromethane	85	1.315	1.309	0.006	97	771391	100.0	98.1	
13 Chloromethane	50	1.504	1.498	0.006	99	1822990	100.0	94.6	
14 Vinyl chloride	62	1.601	1.601	0.000	97	1133694	100.0	95.1	
144 Butadiene	54	1.607	1.601	0.006	96	1601847	100.0	99.7	
15 Bromomethane	94	1.917	1.911	0.006	93	536296	100.0	88.5	
16 Chloroethane	64	2.009	2.003	0.006	94	654949	100.0	95.1	
17 Dichlorofluoromethane	67	2.246	2.240	0.006	96	1399808	100.0	100.1	
18 Trichlorofluoromethane	101	2.252	2.252	0.000	97	1255565	100.0	101.8	
19 Ethyl ether	59	2.538	2.538	0.000	92	1193130	100.0	101.5	
20 Acrolein	56	2.726	2.727	-0.001	98	678554	500.0	483.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.763	2.751	0.012	65	698004	100.0	101.5	
22 1,1-Dichloroethene	96	2.763	2.757	0.006	89	684375	100.0	104.1	
23 Acetone	43	2.891	2.891	0.000	97	3046598	500.0	481.9	
24 Iodomethane	142	2.927	2.921	0.006	98	1427442	100.0	100.7	
25 Carbon disulfide	76	2.964	2.964	0.000	98	2221285	100.0	106.6	
27 3-Chloro-1-propene	41	3.146	3.146	0.000	87	2754067	100.0	100.7	
28 Methyl acetate	43	3.195	3.189	0.006	99	3254141	200.0	196.8	
30 Methylene Chloride	84	3.292	3.298	-0.006	86	807601	100.0	99.0	
31 2-Methyl-2-propanol	59	3.475	3.475	0.000	98	1639026	1000.0	1057.8	
32 Methyl tert-butyl ether	73	3.511	3.505	0.006	92	2710427	100.0	104.8	
33 trans-1,2-Dichloroethene	96	3.523	3.524	-0.001	88	841930	100.0	100.7	
34 Acrylonitrile	53	3.584	3.584	0.000	99	8174001	1000.0	1011.5	
35 Hexane	57	3.718	3.718	0.000	96	1934136	100.0	99.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.949	3.949	0.000	96	2001005	100.0	102.2	
39 Vinyl acetate	43	4.004	4.004	0.000	96	9300019	200.0	240.4	
42 2,2-Dichloropropane	77	4.478	4.479	-0.001	82	832381	100.0	98.9	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	87	937125	100.0	98.1	
44 2-Butanone (MEK)	43	4.545	4.546	-0.001	95	5308937	500.0	508.4	
47 Chlorobromomethane	128	4.752	4.752	0.000	84	521941	100.0	98.4	
49 Tetrahydrofuran	42	4.770	4.771	-0.001	91	1424227	200.0	188.4	
50 Chloroform	83	4.831	4.832	-0.001	94	1539838	100.0	95.0	
51 1,1,1-Trichloroethane	97	4.941	4.941	0.000	95	1298208	100.0	106.4	
52 Cyclohexane	56	4.953	4.947	0.006	93	2403437	100.0	100.3	
53 Carbon tetrachloride	117	5.081	5.081	0.000	95	1199040	100.0	113.4	
54 1,1-Dichloropropene	75	5.099	5.099	0.000	81	1171011	100.0	102.7	
55 Benzene	78	5.306	5.306	0.000	92	3435914	100.0	99.6	
56 Isobutyl alcohol	43	5.318	5.318	0.000	95	2254296	2500.0	3106.1	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	94	1734515	100.0	96.0	
59 n-Heptane	43	5.476	5.476	0.000	94	2567724	100.0	101.2	
60 Trichloroethene	95	5.914	5.914	0.000	92	905796	100.0	102.3	
62 Methylcyclohexane	83	6.036	6.036	0.000	91	1417759	100.0	107.0	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	87	1157720	100.0	102.5	
64 Dibromomethane	93	6.297	6.298	-0.001	93	583182	100.0	98.9	
66 1,4-Dioxane	88	6.304	6.304	0.000	44	161396	2000.0	1998.9	
67 Dichlorobromomethane	83	6.450	6.450	0.000	94	1190544	100.0	109.9	
69 2-Chloroethyl vinyl ether	63	6.723	6.724	-0.001	83	864725	100.0	106.7	
71 cis-1,3-Dichloropropene	75	6.869	6.870	-0.001	82	1444591	100.0	111.0	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	97	3438788	500.0	527.4	
73 Toluene	92	7.155	7.155	0.000	96	2324340	100.0	101.3	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	92	1380649	100.0	114.7	
77 Ethyl methacrylate	69	7.478	7.478	0.000	87	1189035	100.0	111.3	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	94	658859	100.0	100.1	
79 Tetrachloroethene	166	7.691	7.691	0.000	96	1040574	100.0	97.4	
80 1,3-Dichloropropane	76	7.794	7.788	0.006	86	1392731	100.0	100.1	
82 2-Hexanone	43	7.855	7.855	0.000	97	7367814	500.0	537.8	
83 Chlorodibromomethane	129	8.031	8.031	0.000	90	1017763	100.0	118.3	
84 Ethylene Dibromide	107	8.141	8.135	0.006	98	896980	100.0	105.6	
85 Chlorobenzene	112	8.615	8.609	0.006	93	2706719	100.0	100.0	
88 Ethylbenzene	91	8.700	8.701	-0.001	98	4440381	100.0	103.8	
89 1,1,1,2-Tetrachloroethane	131	8.713	8.707	0.006	93	996145	100.0	109.9	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	98	1715782	100.0	101.6	
91 o-Xylene	106	9.254	9.254	0.000	97	1653487	100.0	100.4	
92 Styrene	104	9.285	9.285	-0.001	94	2873054	100.0	102.8	
93 Bromoform	173	9.534	9.534	0.000	97	675514	100.0	129.8	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	4498701	100.0	108.1	
97 Bromobenzene	156	9.978	9.978	0.000	85	1181715	100.0	103.1	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.033	0.000	94	1092140	100.0	103.7	
100 N-Propylbenzene	91	10.057	10.051	0.006	99	5170397	100.0	107.5	
99 1,2,3-Trichloropropane	110	10.069	10.069	0.000	91	353204	100.0	94.9	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.076	-0.001	77	644651	100.0	112.5	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	1078735	100.0	105.0	
104 1,3,5-Trimethylbenzene	105	10.227	10.228	-0.001	95	3770853	100.0	105.6	
105 4-Chlorotoluene	91	10.270	10.270	0.000	97	3174109	100.0	103.3	
106 tert-Butylbenzene	134	10.544	10.544	0.000	95	861328	100.0	105.6	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	3775501	100.0	104.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	4708775	100.0	110.0	
110 1,3-Dichlorobenzene	146	10.897	10.891	0.006	96	2262334	100.0	102.3	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	98	4236489	100.0	107.8	
113 1,4-Dichlorobenzene	146	10.982	10.982	0.000	95	2288219	100.0	102.8	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	3584624	100.0	107.6	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	98	2228043	100.0	100.9	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	82	229085	100.0	125.9	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	1630977	100.0	103.6	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	97	722192	100.0	105.8	
121 Naphthalene	128	12.947	12.947	0.000	97	4615824	100.0	107.9	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	96	1561878	100.0	103.5	
S 124 1,2-Dichloroethene, Total	1				0			198.8	
S 123 1,3-Dichloropropene, Total	1				0			225.7	
S 126 Xylenes, Total	1				0			202.0	
S 125 Total BTEX	1				0			506.7	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00198	Amount Added:	50.00	Units: uL	
GAS CORP mix_00427	Amount Added:	50.00	Units: uL	
N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00202	Amount Added:	1.00	Units: uL	Run Reagent

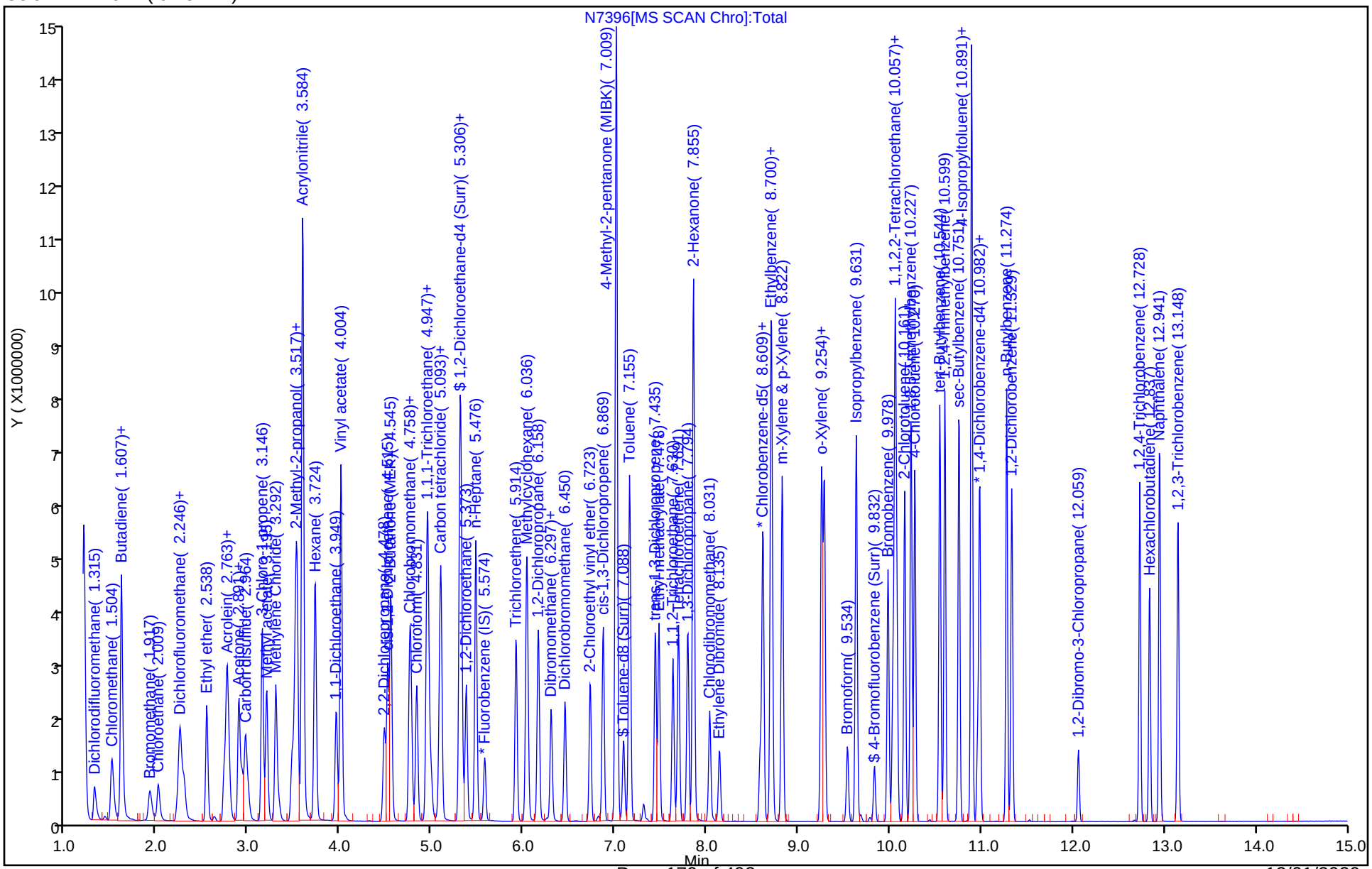
Report Date: 18-Nov-2020 17:53:48 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Injection Date:	18-Nov-2020 16:52:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559938

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/19/2020 15:09 Calibration End Date: 11/19/2020 17:50 Calibration ID: 40689

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-559938/8	S4440.D
Level 2	IC 480-559938/9	S4441.D
Level 3	IC 480-559938/10	S4442.D
Level 4	IC 480-559938/11	S4443.D
Level 5	IC 480-559938/12	S4444.D
Level 6	ICIS 480-559938/13	S4445.D
Level 7	IC 480-559938/14	S4446.D
Level 8	IC 480-559938/15	S4447.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.7431	1.2691 1.7749	1.8168 1.6930	1.4199	1.7268	Ave		1.6348			0.1000	12.6		20.0			
Chloromethane	2.2024 2.1693	2.3371 2.3117	2.4053 2.2279	2.0768	2.3008	Ave		2.2539			0.1000	4.7		20.0			
Vinyl chloride	2.3177 1.9303	1.6115 1.9478	1.9759 1.8753	1.8522	2.0419	Ave		1.9441			0.1000	10.2		20.0			
Butadiene	2.2024 2.1530	1.9723 2.2712	2.4155 2.0825	2.2174	2.2692	Ave		2.1979				6.1		20.0			
Bromomethane	+++++ 1.1857	1.1118 1.0768	1.4092 1.1022	0.9738	1.2496	Ave		1.1585			0.1000	12.1		20.0			
Chloroethane	1.0444 1.1173	1.3454 1.1621	1.2200 1.1046	1.1547	1.2724	Ave		1.1776			0.1000	8.3		20.0			
Dichlorofluoromethane	2.4999 2.4935	2.3708 2.5141	2.8028 2.4300	2.4958	2.5686	Ave		2.5219				5.1		20.0			
Trichlorofluoromethane	1.9857 2.2743	2.2525 2.3998	2.4005 2.2755	2.1636	2.3392	Ave		2.2614			0.1000	6.0		20.0			
Ethyl ether	1.7035 1.4552	1.6103 1.7038	1.4520 1.4877	1.5112	1.4506	Ave		1.5468				7.1		20.0			
Acrolein	0.1583 0.1256	0.1960 0.1613	0.1317 0.1502	0.1531	0.0975	Ave		0.1467				19.8		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0497 1.4674	1.5041 1.4750	1.7156 1.3465	1.4402	1.4327	Ave		1.4289			0.1000	13.0		20.0			
1,1-Dichloroethene	1.3843 1.3583	1.4971 1.4667	1.4956 1.3441	1.2739	1.4286	Ave		1.4061			0.1000	5.7		20.0			
Acetone	0.8121 0.6249	0.7200 0.7218	0.6290 0.6952	0.7144	0.5013	Ave		0.6773			0.1000	13.6		20.0			
Iodomethane	2.7821 2.4029	2.7774 2.4580	2.6921 2.3637	2.3609	2.4818	Ave		2.5398				7.1		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559938

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/19/2020 15:09 Calibration End Date: 11/19/2020 17:50 Calibration ID: 40689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	3.2708 4.4776	4.1386 4.5250	4.3851 4.4760	4.1123	4.3066	Ave		4.2115			0.1000	9.7		20.0			
Allyl chloride	2.1904 2.8780	2.4895 2.9871	2.4325 2.9372	2.6320	2.6418	Ave		2.6486				10.4		20.0			
Methyl acetate	+++++ 1.6914	1.8023 1.7724	1.0887 1.6923	1.7824	1.3361	Ave		1.5951			0.1000	17.2		20.0			
Methylene Chloride	+++++ 1.6902	2.8982 1.6634	2.1796 1.6089	1.8597	1.7906	Lin1	1.2724	1.6159			0.1000				1.0000		0.9900
2-Methyl-2-propanol	0.1896 0.1614	0.2026 0.2248	0.1565 0.2225	0.2111	0.1428	Ave		0.1889				16.8		20.0			
Methyl tert-butyl ether	4.8015 4.9187	5.0981 5.0366	4.8082 4.9922	4.9236	4.6352	Ave		4.9018			0.1000	3.0		20.0			
trans-1,2-Dichloroethene	1.7649 1.7198	1.6550 1.6514	1.9254 1.6015	1.5993	1.6952	Ave		1.7016			0.1000	6.3		20.0			
Acrylonitrile	0.9138 0.8859	0.8915 0.9223	0.6673 0.9082	0.8857	0.7557	Ave		0.8538				10.8		20.0			
Hexane	2.5947 2.7299	2.3830 2.8788	2.6261 2.4684	2.8249	2.6591	Ave		2.6456				6.3		20.0			
1,1-Dichloroethane	2.8565 3.0149	2.9328 3.0546	3.1478 2.9810	2.8980	3.0191	Ave		2.9881			0.2000	3.1		20.0			
Vinyl acetate	4.0089 4.3771	3.9460 5.1251	3.7300 4.8485	4.2919	3.9750	Ave		4.2878				11.2		20.0			
2,2-Dichloropropane	+++++ 1.8941	1.7803 1.7645	1.9620 1.7477	1.7169	1.8789	Ave		1.8206				5.0		20.0			
cis-1,2-Dichloroethene	1.4798 1.8258	1.9146 1.8264	2.0179 1.7556	1.7755	1.8744	Ave		1.8088			0.1000	8.7		20.0			
2-Butanone (MEK)	0.8268 1.0231	1.0140 1.1585	0.8378 1.0535	1.0892	0.9135	Ave		0.9896			0.1000	12.1		20.0			
Chlorobromomethane	0.8102 0.8927	0.8027 0.9371	0.8788 0.8992	0.8671	0.8966	Ave		0.8731				5.2		20.0			
Tetrahydrofuran	0.7651 0.6902	0.8072 0.7795	0.5497 0.7077	0.8280	0.5845	Ave		0.7140				14.3		20.0			
Chloroform	3.0128 2.8993	3.3188 2.8963	3.0901 2.8590	3.0840	2.8973	Ave		3.0072			0.2000	5.1		20.0			
1,1,1-Trichloroethane	2.0305 2.5394	2.0594 2.5307	2.4576 2.4238	2.4023	2.4376	Ave		2.3602			0.1000	8.5		20.0			
Cyclohexane	+++++ 3.2487	2.9712 3.3399	3.3888 3.1005	3.0373	3.2158	Ave		3.1860			0.1000	4.9		20.0			
Carbon tetrachloride	1.5676 2.0933	1.9708 2.1639	2.0554 2.0445	1.8669	1.9868	Ave		1.9687			0.1000	9.4		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559938

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/19/2020 15:09 Calibration End Date: 11/19/2020 17:50 Calibration ID: 40689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.8490 2.2380	2.0806 2.3049	2.5800 2.1337	2.1914	2.2538	Ave		2.2039				9.4		20.0			
Benzene	5.1405 6.4651	6.7013 6.7352	6.6007 6.4174	6.8399	6.6284	Ave		6.4411			0.5000	8.4		20.0			
Isobutyl alcohol	0.0795 0.0781	0.1032 0.1016	0.0733 0.0990	0.0895	0.0705	Ave		0.0868				15.2		20.0			
1,2-Dichloroethane	2.3842 2.4139	2.5341 2.6155	2.6307 2.4212	2.5055	2.3378	Ave		2.4804			0.1000	4.4		20.0			
n-Heptane	2.4261 3.0785	2.5716 3.1474	3.3602 2.6306	3.1018	3.2194	Ave		2.9419				11.8		20.0			
Trichloroethene	1.6186 1.7071	1.5699 1.7485	1.7341 1.6581	1.6402	1.6752	Ave		1.6689			0.2000	3.6		20.0			
Methylcyclohexane	2.1137 2.9924	2.6956 3.0502	2.9218 2.7968	2.7955	2.8959	Ave		2.7827			0.1000	10.5		20.0			
1,2-Dichloropropane	1.6086 1.6636	1.6097 1.7546	1.6396 1.6444	1.7863	1.6827	Ave		1.6737			0.1000	3.9		20.0			
Dibromomethane	0.8523 1.0518	1.0723 1.0825	1.1995 1.0521	0.9957	1.0056	Ave		1.0390			0.1000	9.4		20.0			
1,4-Dioxane	+++++ 0.0072	0.0081 0.0074	0.0082 0.0063	0.0071	0.0054	Ave		0.0071				13.9		20.0			
Bromodichloromethane	1.9679 2.0443	1.8300 2.2127	1.9614 2.1265	1.9656	2.0630	Ave		2.0214			0.2000	5.8		20.0			
2-Chloroethyl vinyl ether	1.1129 1.1576	1.2953 1.3884	1.1175 1.1749	1.2125	1.1502	Ave		1.2012				8.0		20.0			
cis-1,3-Dichloropropene	2.0621 2.5265	2.1811 2.7210	2.4219 2.6174	2.4688	2.4488	Ave		2.4309			0.2000	8.9		20.0			
4-Methyl-2-pentanone (MIBK)	1.0699 1.1124	1.0034 1.1274	0.9893 1.1108	1.1171	0.9859	Ave		1.0645			0.1000	5.8		20.0			
Toluene	1.5623 1.9241	2.1470 1.9821	2.0872 1.9485	2.0380	1.9034	Ave		1.9491			0.4000	9.1		20.0			
trans-1,3-Dichloropropene	1.0113 1.1163	1.0805 1.1853	1.0165 1.1787	1.1003	1.0633	Ave		1.0940			0.1000	6.0		20.0			
Ethyl methacrylate	0.8849 0.9713	0.8379 1.0904	0.9630 1.0482	1.0103	0.9426	Ave		0.9686				8.5		20.0			
1,1,2-Trichloroethane	0.5923 0.6122	0.5421 0.5905	0.5660 0.5640	0.5985	0.5756	Ave		0.5801			0.1000	3.9		20.0			
Tetrachloroethene	0.6343 0.7965	0.7972 0.8068	0.9272 0.7608	0.8481	0.7985	Ave		0.7962			0.2000	10.3		20.0			
1,3-Dichloropropane	1.1493 1.1750	1.1976 1.2509	1.3132 1.2148	1.2961	1.2138	Ave		1.2263				4.6		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559938

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/19/2020 15:09 Calibration End Date: 11/19/2020 17:50 Calibration ID: 40689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.7506 0.7586	0.7708 0.7916	0.7099 0.7441	0.7717	0.7455	Ave		0.7554			0.1000	3.2		20.0			
Dibromochloromethane	0.5582 0.6985	0.7417 0.7534	0.7123 0.7754	0.6359	0.6801	Ave		0.6944			0.1000	10.2		20.0			
1,2-Dibromoethane	0.8949 0.7039	0.7364 0.7546	0.7536 0.7309	0.7832	0.6864	Ave		0.7555				8.5		20.0			
Chlorobenzene	1.7078 2.1337	2.1311 2.1452	2.2909 2.1066	2.2632	2.1086	Ave		2.1109			0.5000	8.4		20.0			
Ethylbenzene	3.0949 3.8099	3.6714 3.7883	3.9584 3.7914	3.8096	3.7546	Ave		3.7098			0.1000	7.0		20.0			
1,1,1,2-Tetrachloroethane	0.6434 0.7634	0.7797 0.7478	0.8182 0.7589	0.7058	0.7047	Ave		0.7403				7.3		20.0			
m,p-Xylene	0.9888 1.4603	1.3116 1.4640	1.4724 1.4581	1.5257	1.4656	Ave		1.3933			0.1000	12.5		20.0			
o-Xylene	1.1169 1.4451	1.3820 1.4336	1.5136 1.4340	1.4113	1.4095	Ave		1.3932			0.3000	8.5		20.0			
Styrene	2.0541 2.3404	1.8795 2.3831	2.2598 2.3519	2.1982	2.1928	Ave		2.2075			0.3000	7.7		20.0			
Bromoform	0.4219 0.4532	0.3455 0.4765	0.4292 0.5106	0.3731	0.3837	Ave		0.4242			0.1000	13.1		20.0			
Isopropylbenzene	2.9163 3.9301	3.5681 4.0761	3.6907 3.9904	3.8851	3.7743	Ave		3.7289			0.1000	9.8		20.0			
Bromobenzene	0.8743 0.9475	1.0525 1.0091	0.9027 0.9860	1.0852	0.9464	Ave		0.9755				7.4		20.0			
1,1,2,2-Tetrachloroethane	1.0381 1.0544	0.9644 1.0868	1.0227 1.0719	1.1486	1.0294	Ave		1.0520			0.3000	5.1		20.0			
N-Propylbenzene	3.3890 4.8094	4.6570 4.9925	4.5619 4.8584	4.6824	4.6525	Ave		4.5754				10.9		20.0			
1,2,3-Trichloropropane	0.4254 0.3551	0.3286 0.3499	0.3288 0.3362	0.3719	0.3395	Ave		0.3544				9.1		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.3114	0.2014 0.3545	0.2285 0.3474	0.2602	0.2222	Ave		0.2751				22.7	*	20.0			
2-Chlorotoluene	0.8890 0.9405	0.8300 0.9507	0.9717 0.9304	0.9498	0.9244	Ave		0.9233				4.8		20.0			
1,3,5-Trimethylbenzene	+++++ 3.3324	2.9280 3.4879	3.1428 3.4680	3.1582	3.2177	Ave		3.2478				6.1		20.0			
4-Chlorotoluene	0.7500 0.9706	0.9704 0.9979	0.9152 0.9649	1.0072	0.9426	Ave		0.9399				8.7		20.0			
tert-Butylbenzene	0.6977 0.7443	0.8290 0.7785	0.7706 0.7577	0.7232	0.7414	Ave		0.7553				5.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559938

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/19/2020 15:09 Calibration End Date: 11/19/2020 17:50 Calibration ID: 40689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	+++++ 3.3399	2.7223 3.5121	3.2257 3.4942	3.3893	3.2218	Ave		3.2722				8.2		20.0			
sec-Butylbenzene	+++++ 4.3305	3.7332 4.4983	4.0173 4.4596	4.3558	4.2268	Ave		4.2317				6.4		20.0			
1,3-Dichlorobenzene	1.8002 1.9001	1.9242 1.9615	1.9601 1.9341	1.9485	1.9357	Ave		1.9206			0.6000	2.7		20.0			
4-Isopropyltoluene	+++++ 3.7267	3.0546 3.8920	3.6962 3.8951	3.7547	3.6409	Ave		3.6658				7.8		20.0			
1,4-Dichlorobenzene	1.8384 1.9209	1.9640 2.0248	2.0748 2.0149	1.9846	1.8829	Ave		1.9632			0.5000	4.0		20.0			
n-Butylbenzene	+++++ 3.5481	3.0475 3.6925	3.2523 3.5909	3.4271	3.3272	Ave		3.4122				6.5		20.0			
1,2-Dichlorobenzene	1.5920 1.9046	2.0304 1.9927	1.9458 1.9301	1.7866	1.9141	Ave		1.8870			0.4000	7.4		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.2165	0.2019 0.2224	0.1625 0.2327	0.1819	0.1914	Ave		0.2013			0.0500	12.2		20.0			
1,2,4-Trichlorobenzene	+++++ 1.4448	1.2291 1.5515	1.3280 1.5491	1.4184	1.4485	Ave		1.4242			0.2000	8.1		20.0			
Hexachlorobutadiene	0.5282 0.6531	0.5093 0.6577	0.5908 0.6261	0.6424	0.5832	Ave		0.5989				9.4		20.0			
Naphthalene	+++++ 3.9976	3.2678 4.1424	3.5267 4.1545	3.5298	3.6372	Ave		3.7508				9.3		20.0			
1,2,3-Trichlorobenzene	1.1246 1.4115	1.2856 1.4390	1.3431 1.4303	1.3426	1.3589	Ave		1.3419				7.6		20.0			
Dibromofluoromethane (Surr)	1.3736 1.3280	1.2958 1.3440	1.2391 1.2895	1.2676	1.3051	Ave		1.3053				3.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8829 0.8199	0.9019 0.8563	0.7834 0.8853	0.8671	0.8319	Ave		0.8536				4.6		20.0			
Toluene-d8 (Surr)	2.5584 2.3970	2.5959 2.4068	2.4971 2.4803	2.4817	2.4493	Ave		2.4833				2.8		20.0			
4-Bromofluorobenzene (Surr)	0.7862 0.7517	0.7828 0.7244	0.7721 0.7794	0.7499	0.7466	Ave		0.7616				2.9		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559938

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/19/2020 15:09 Calibration End Date: 11/19/2020 17:50 Calibration ID: 40689

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-559938/8	S4440.D
Level 2	IC 480-559938/9	S4441.D
Level 3	IC 480-559938/10	S4442.D
Level 4	IC 480-559938/11	S4443.D
Level 5	IC 480-559938/12	S4444.D
Level 6	ICIS 480-559938/13	S4445.D
Level 7	IC 480-559938/14	S4446.D
Level 8	IC 480-559938/15	S4447.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 313792	9219 632503	25793 1230607	53332	120808	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	7522 390524	16977 823805	34149 1619405	78008	160968	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	7916 347499	11706 694118	28052 1363115	69569	142854	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	7522 387590	14327 809364	34293 1513681	83287	158759	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 213447	8076 383742	20007 801172	36578	87424	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	3567 201137	9773 414111	17321 802879	43372	89019	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	8538 448882	17222 895924	39792 1766318	93745	179703	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	6782 409428	16362 855197	34081 1653966	81267	163658	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5818 261966	11697 607173	20614 1081391	56761	101487	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	2704 113062	7120 287348	9348 545795	28760	34123	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3585 264168	10926 525643	24357 978739	54094	100236	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	4728 244519	10875 522685	21234 976982	47849	99948	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	13868 562446	26149 1286164	44652 2526542	134173	175362	2.50 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	9502 432578	20175 875913	38220 1718110	88677	173630	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	11171 806070	30063 1612522	62257 3253442	154462	301298	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559938

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/19/2020 15:09 Calibration End Date: 11/19/2020 17:50 Calibration ID: 40689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	7481 518094	18084 1064481	34535 2134941	98861	184825	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	+++++ 608974	26184 1263246	30912 2460160	133894	186949	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	+++++ 304278	21053 592759	30945 1169443	69853	125275	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	6474 290503	14719 800925	22216 1617149	79295	99917	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	16399 885467	37033 1794829	68263 3628660	184937	324290	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	6028 309602	12022 588490	27336 1164096	60070	118601	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	31211 1594875	64759 3286727	94742 6601358	332679	528688	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	8862 491444	17310 1025867	37283 1794173	106107	186035	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	9756 542745	21304 1088522	44690 2166800	108850	211225	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	27384 1575950	57328 3652728	105912 7048378	322417	556202	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 340984	12932 628803	27855 1270332	64490	131451	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	5054 328691	13908 650870	28648 1276084	66691	131136	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	14119 920919	36830 2064137	59474 3828861	204554	319554	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2767 160713	5831 333949	12477 653580	32570	62726	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	5226 248511	11727 555576	15609 1028839	62200	81792	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	10290 521934	24108 1032119	43871 2078143	115840	202698	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	6935 457153	14960 901846	34891 1761780	90233	170536	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 584840	21583 1190193	48112 2253642	114085	224985	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	5354 376841	14316 771131	29181 1486075	70122	139003	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	6315 402889	15114 821359	36629 1550908	82313	157681	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	17557 1163849	48679 2400147	93712 4664573	256915	463739	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559938

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/19/2020 15:09 Calibration End Date: 11/19/2020 17:50 Calibration ID: 40689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	6788 351270	18747 905462	26022 1798341	84079	123381	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	8143 434559	18408 932069	37349 1759883	94109	163559	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	8286 554201	18680 1121595	47706 1912089	116507	225234	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5528 307311	11404 623082	24619 1205194	61608	117197	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	7219 538696	19581 1086959	41481 2032924	105003	202601	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	5494 299476	11693 625277	23278 1195273	67094	117722	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2911 189355	7789 385774	17029 764764	37400	70352	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 55256	2474 119776	4799 194183	11087	16380	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	6721 368012	13293 788516	27846 1545661	73831	144331	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3801 208397	9409 494767	15865 854022	45544	80469	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	7043 454825	15844 969638	34384 1902483	92729	171323	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	38785 2136277	76340 4547943	145027 8496370	437058	750517	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	11327 738998	32668 1599162	61193 2980685	159475	289784	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	7332 428745	16441 956286	29803 1803104	86099	161884	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	6416 373067	12749 879717	28233 1603503	79057	143505	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4294 235138	8248 476411	16595 862739	46830	87629	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	4599 305921	12130 650962	27184 1163779	66367	121575	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	8333 451276	18222 1009248	38500 1858351	101417	184805	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	27212 1456824	58638 3193189	104068 5691665	301925	567520	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	4047 268276	11286 607824	20883 1186118	49762	103546	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	6488 270337	11205 608817	22093 1118018	61283	104497	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559938

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/19/2020 15:09 Calibration End Date: 11/19/2020 17:50 Calibration ID: 40689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	12382 819525	32426 1730791	67164 3222486	177093	321032	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	22439 1463319	55863 3056440	116053 5799762	298101	571631	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	4665 293218	11864 603323	23989 1160884	55232	107290	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	7169 560866	19957 1181164	43167 2230471	119385	223141	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	8098 555017	21028 1156608	44376 2193624	110430	214597	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	14893 898921	28598 1922683	66254 3597725	172009	333852	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	3059 174061	5257 384451	12582 781013	29195	58420	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	21609 1443933	52581 3018991	112103 5820972	291919	561137	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	6478 348132	15510 747370	27420 1438337	81538	140702	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7692 387410	14212 804955	31063 1563676	86301	153042	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	25111 1767015	68628 3697732	138565 7087148	351831	691714	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	3152 130480	4842 259188	9988 490450	27943	50472	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 114407	2968 262574	6941 506795	19550	33042	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	6587 345562	12231 704135	29515 1357164	71366	137431	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 1224334	43149 2583336	95461 5058828	237304	478386	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	5557 356616	14300 739093	27800 1407575	75683	140143	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	5170 273478	12217 576584	23406 1105224	54337	110233	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 1227123	40117 2601286	97980 5097051	254667	479000	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 1591062	55015 3331733	122023 6505370	327290	628420	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	13339 698127	28356 1452839	59537 2821372	146407	287786	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 1369234	45015 2882667	112269 5681933	282125	541313	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 559938

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/19/2020 15:09 Calibration End Date: 11/19/2020 17:50 Calibration ID: 40689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	13622 705767	28942 1499692	63021 2939124	149121	279934	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	+++++ 1303596	44909 2734875	98788 5238212	257506	494671	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	11796 699761	29921 1475947	59103 2815500	134241	284579	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 79531	2975 164731	4937 339495	13669	28452	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 530820	18112 1149163	40336 2259725	106574	215352	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	3914 239936	7506 487118	17944 913288	48271	86712	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	+++++ 1468746	48156 3068094	107121 6060343	265220	540758	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	8333 518579	18945 1065788	40795 2086412	100879	202031	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	234566 239068	235311 239470	219891 234325	238063	228274	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	150781 147605	163780 152567	139021 160866	162852	145512	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	927458 920633	987439 970913	915127 948534	970962	932250	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	285013 288714	297766 292228	282975 298071	293399	284170	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4440.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Nov-2020 15:09:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0095091-008
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Nov-2020 11:12:09 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: farrellr Date: 19-Nov-2020 20:36:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.345	5.352	-0.007	99	170770	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.333	0.005	85	362513	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.729	10.730	-0.001	95	370481	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.767	4.767	0.000	55	234566	25.0	26.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	90	150781	25.0	25.9	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	92	927458	25.0	25.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	92	285013	25.0	25.8	
10 Dichlorodifluoromethane	85	1.227	1.227	0.000	45	2431	0.5000	0.2177	
12 Chloromethane	50	1.409	1.409	0.000	49	7522	0.5000	0.4886	
151 Butadiene	54	1.488	1.495	-0.007	78	7522	0.5000	0.5010	
13 Vinyl chloride	62	1.494	1.495	-0.001	47	7916	0.5000	0.5961	
14 Bromomethane	94	1.799	1.780	0.019	23	5396	0.5000	0.6819	
15 Chloroethane	64	1.872	1.860	0.012	43	3567	0.5000	0.4434	
16 Dichlorofluoromethane	67	2.085	2.085	0.000	14	8538	0.5000	0.4956	
17 Trichlorofluoromethane	101	2.085	2.085	0.000	1	6782	0.5000	0.4390	
18 Ethyl ether	59	2.364	2.364	0.000	61	5818	0.5000	0.5506	a
20 Acrolein	56	2.553	2.547	0.006	26	2704	2.50	2.70	a
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.583	2.565	0.018	15	3585	0.5000	0.3673	
22 1,1-Dichloroethene	96	2.577	2.571	0.006	68	4728	0.5000	0.4923	
23 Acetone	43	2.705	2.699	0.006	67	13868	2.50	3.00	
25 Iodomethane	142	2.736	2.736	0.000	72	9502	0.5000	0.5477	
26 Carbon disulfide	76	2.772	2.766	0.006	83	11171	0.5000	0.3883	
28 3-Chloro-1-propene	41	2.948	2.948	0.000	58	7481	0.5000	0.4135	
27 Methyl acetate	43	3.003	2.997	0.006	85	15226	1.00	1.40	
30 Methylene Chloride	84	3.094	3.095	0.000	83	16758	0.5000	0.7308	
31 2-Methyl-2-propanol	59	3.289	3.271	0.018	74	6474	5.00	5.02	M
32 Methyl tert-butyl ether	73	3.295	3.307	-0.012	66	16399	0.5000	0.4898	
34 trans-1,2-Dichloroethene	96	3.326	3.320	0.006	50	6028	0.5000	0.5186	
33 Acrylonitrile	53	3.386	3.387	0.000	90	31211	5.00	5.35	M
35 Hexane	57	3.520	3.514	0.006	55	8862	0.5000	0.4904	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.739	3.739	0.000	21	9756	0.5000	0.4780	
37 Vinyl acetate	43	3.806	3.800	0.006	86	27384	1.00	0.9350	
44 2,2-Dichloropropane	77	4.256	4.256	0.000	16	4110	0.5000	0.3305	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	16	5054	0.5000	0.4091	
43 2-Butanone (MEK)	43	4.348	4.336	0.012	91	14119	2.50	2.09	
48 Chlorobromomethane	128	4.536	4.536	0.000	61	2767	0.5000	0.4640	
49 Tetrahydrofuran	42	4.555	4.548	0.007	32	5226	1.00	1.07	Ma
50 Chloroform	83	4.609	4.609	0.000	78	10290	0.5000	0.5009	
51 1,1,1-Trichloroethane	97	4.713	4.719	-0.006	42	6935	0.5000	0.4302	a
52 Cyclohexane	56	4.719	4.725	-0.006	47	7028	0.5000	0.3229	
55 Carbon tetrachloride	117	4.859	4.853	0.006	52	5354	0.5000	0.3981	
54 1,1-Dichloropropene	75	4.877	4.871	0.006	28	6315	0.5000	0.4195	
57 Benzene	78	5.078	5.078	0.000	33	17557	0.5000	0.3990	
53 Isobutyl alcohol	43	5.108	5.102	0.006	12	6788	12.5	11.4	
58 1,2-Dichloroethane	62	5.145	5.151	-0.006	10	8143	0.5000	0.4806	a
59 n-Heptane	43	5.248	5.254	-0.006	63	8286	0.5000	0.4123	
62 Trichloroethene	95	5.686	5.686	0.000	49	5528	0.5000	0.4849	
64 Methylcyclohexane	83	5.796	5.796	0.000	35	7219	0.5000	0.3798	
65 1,2-Dichloropropane	63	5.923	5.929	-0.006	41	5494	0.5000	0.4806	
67 Dibromomethane	93	6.075	6.063	0.012	60	2911	0.5000	0.4102	
66 1,4-Dioxane	88		6.069				ND	ND	
68 Dichlorobromomethane	83	6.221	6.221	0.000	43	6721	0.5000	0.4868	
69 2-Chloroethyl vinyl ether	63	6.507	6.501	0.006	2	3801	0.5000	0.4633	a
72 cis-1,3-Dichloropropene	75	6.641	6.635	0.006	39	7043	0.5000	0.4241	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.781	0.006	85	38785	2.50	2.51	
74 Toluene	92	6.921	6.921	0.000	70	11327	0.5000	0.4008	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	27	7332	0.5000	0.4622	a
75 Ethyl methacrylate	69	7.256	7.250	0.006	33	6416	0.5000	0.4568	a
79 1,1,2-Trichloroethane	83	7.402	7.396	0.006	48	4294	0.5000	0.5104	
81 Tetrachloroethene	166	7.432	7.444	-0.012	43	4599	0.5000	0.3983	a
82 1,3-Dichloropropane	76	7.560	7.554	0.006	50	8333	0.5000	0.4686	
80 2-Hexanone	43	7.633	7.621	0.012	88	27212	2.50	2.48	
83 Chlorodibromomethane	129	7.791	7.791	0.000	12	4047	0.5000	0.4019	
84 Ethylene Dibromide	107	7.900	7.888	0.012	42	6488	0.5000	0.5923	
87 Chlorobenzene	112	8.363	8.363	0.000	44	12382	0.5000	0.4045	
88 Ethylbenzene	91	8.454	8.454	0.000	69	22439	0.5000	0.4171	
89 1,1,1,2-Tetrachloroethane	131	8.472	8.460	0.012	16	4665	0.5000	0.4346	
90 m-Xylene & p-Xylene	106	8.588	8.576	0.012	66	7169	0.5000	0.3548	
91 o-Xylene	106	9.008	9.002	0.006	63	8098	0.5000	0.4008	
92 Styrene	104	9.044	9.038	0.006	26	14893	0.5000	0.4653	
95 Bromoform	173	9.288	9.288	0.000	8	3059	0.5000	0.4973	
94 Isopropylbenzene	105	9.391	9.391	0.000	56	21609	0.5000	0.3910	
101 Bromobenzene	156	9.738	9.738	0.000	54	6478	0.5000	0.4481	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.799	0.006	21	7692	0.5000	0.4934	
99 N-Propylbenzene	91	9.823	9.817	0.006	78	25111	0.5000	0.3703	
100 1,2,3-Trichloropropane	110	9.829	9.835	-0.006	17	3152	0.5000	0.6001	
98 trans-1,4-Dichloro-2-butene	53	9.865	9.847	0.018	1	1275	0.5000	0.3128	
103 2-Chlorotoluene	126	9.920	9.920	0.000	71	6587	0.5000	0.4814	
102 1,3,5-Trimethylbenzene	105	10.005	9.999	0.006	39	16367	0.5000	0.3401	
105 4-Chlorotoluene	126	10.036	10.036	0.000	23	5557	0.5000	0.3990	
106 tert-Butylbenzene	134	10.316	10.316	0.000	71	5170	0.5000	0.4619	
107 1,2,4-Trimethylbenzene	105	10.376	10.370	0.006	45	16284	0.5000	0.3358	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	49	20082	0.5000	0.3202	
111 1,3-Dichlorobenzene	146	10.669	10.662	0.006	56	13339	0.5000	0.4687	
110 4-Isopropyltoluene	119	10.669	10.669	-0.001	76	19106	0.5000	0.3517	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	9	13622	0.5000	0.4682	
115 n-Butylbenzene	91	11.052	11.058	-0.006	63	17379	0.5000	0.3437	
116 1,2-Dichlorobenzene	146	11.100	11.107	-0.007	64	11796	0.5000	0.4218	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.837	0.006	17	2806	0.5000	0.9405	
119 1,2,4-Trichlorobenzene	180	12.506	12.506	0.000	35	7679	0.5000	0.3638	
120 Hexachlorobutadiene	225	12.615	12.621	-0.006	21	3914	0.5000	0.4410	
121 Naphthalene	128	12.719	12.725	-0.006	64	21178	0.5000	0.3810	
122 1,2,3-Trichlorobenzene	180	12.932	12.926	0.006	42	8333	0.5000	0.4190	
S 125 1,2-Dichloroethene, Total	1				0			0.9277	
S 123 Total BTEX	1				0			1.97	
S 126 1,3-Dichloropropene, Total	1				0			0.8863	
S 124 Xylenes, Total	1				0			0.7557	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00427	Amount Added:	0.50	Units: uL	
8260 CORP mix_00198	Amount Added:	0.50	Units: uL	
S_8260_IS_00342	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00377	Amount Added:	1.00	Units: uL	Run Reagent

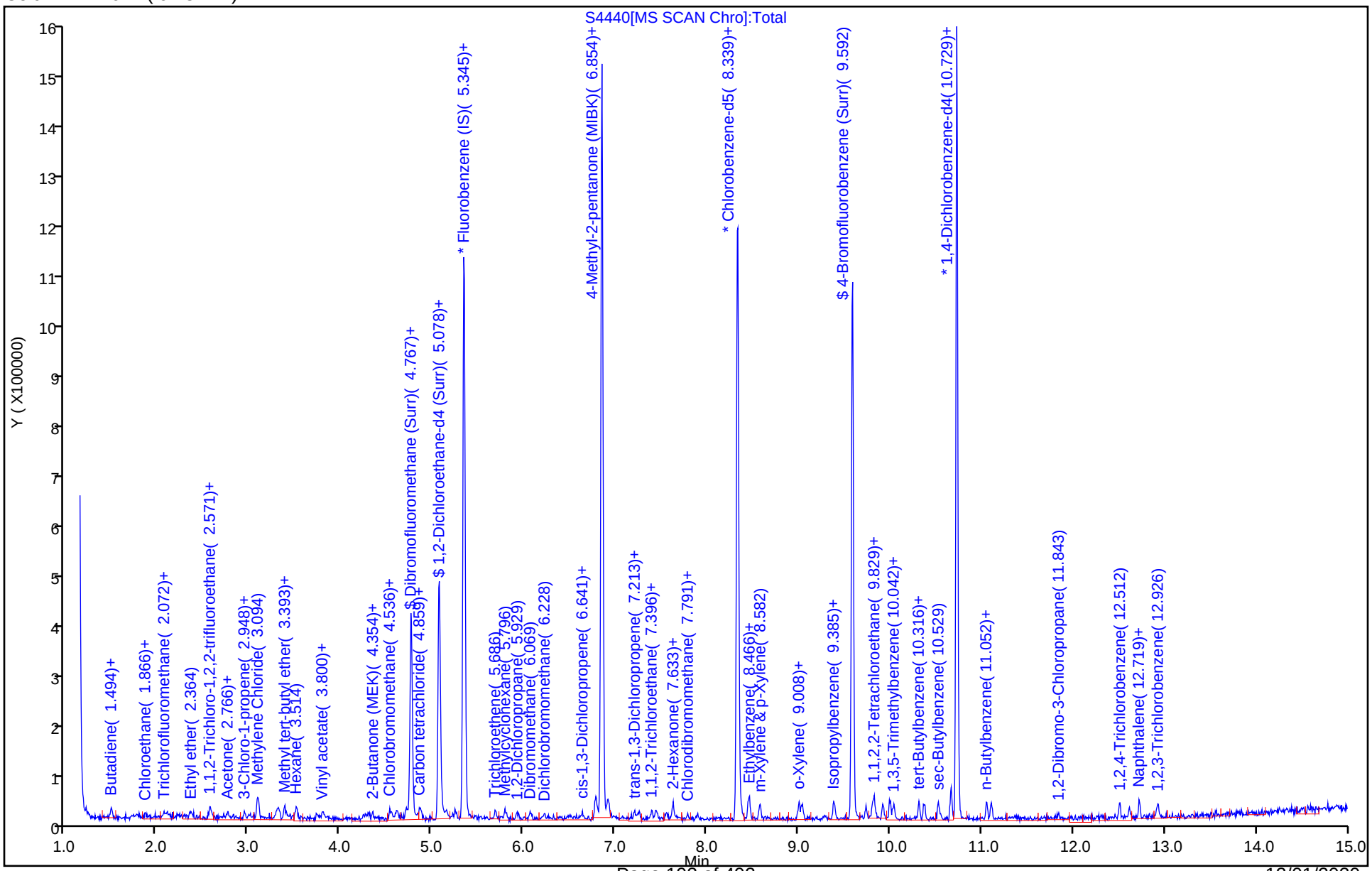
Report Date: 20-Nov-2020 11:12:11 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4440.D

Injection Date:	19-Nov-2020 15:09:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 0.5			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

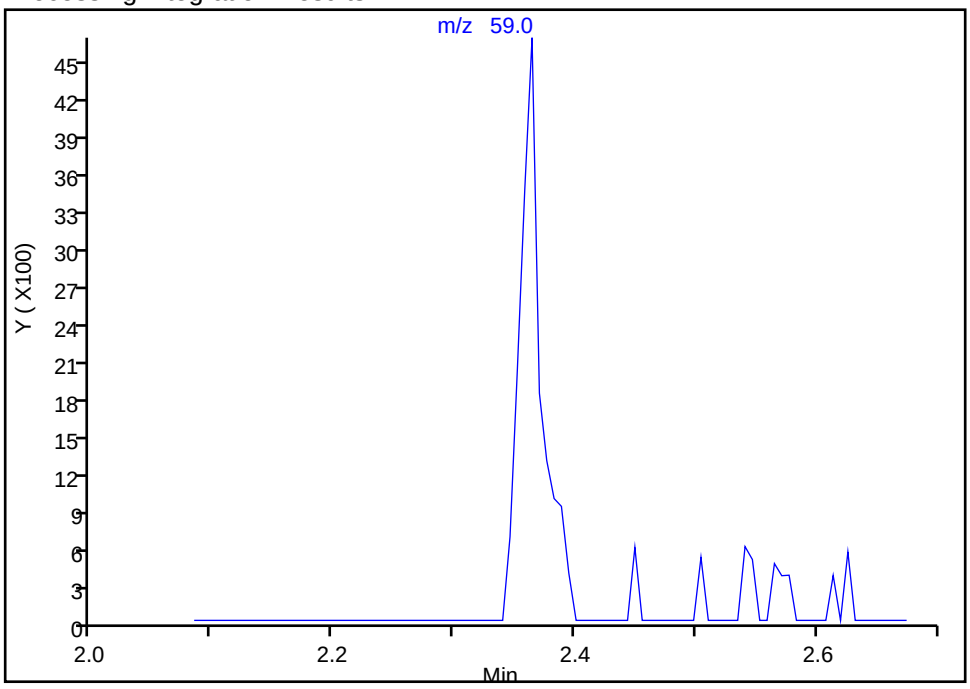
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Injection Date: 19-Nov-2020 15:09:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

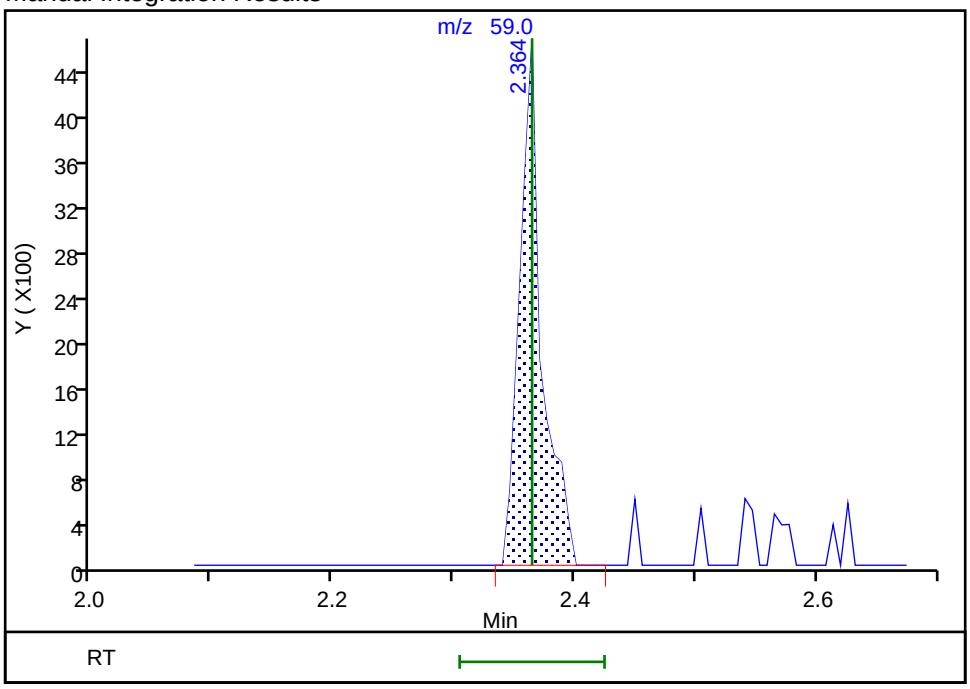
Not Detected
Expected RT: 2.36

Processing Integration Results



Manual Integration Results

RT: 2.36
Area: 5818
Amount: 0.550648
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:32:52
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

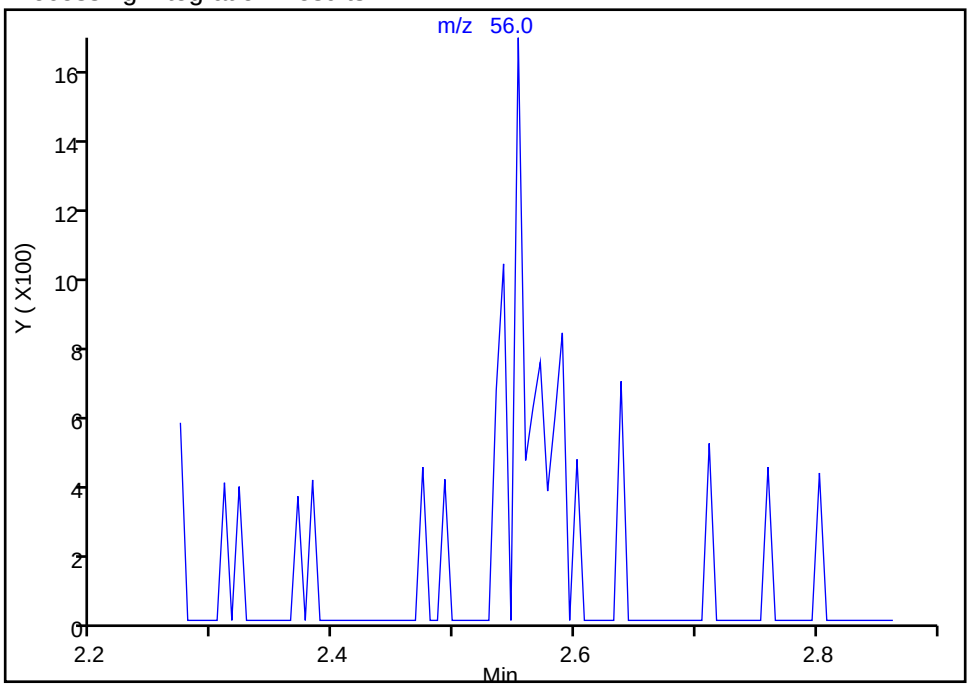
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Injection Date: 19-Nov-2020 15:09:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

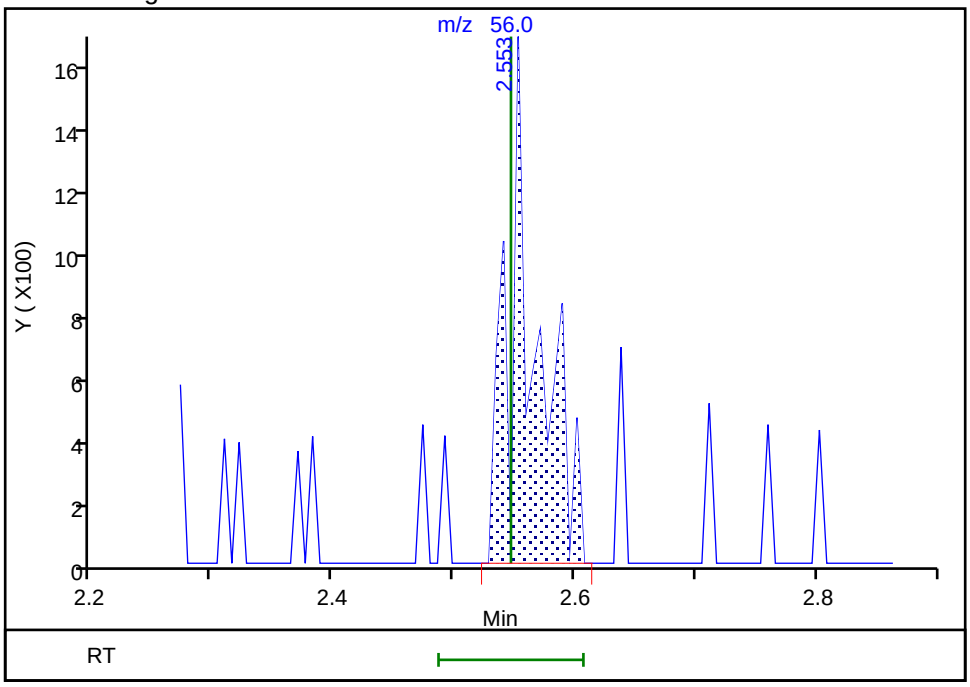
Not Detected
Expected RT: 2.55

Processing Integration Results



Manual Integration Results

RT: 2.55
Area: 2704
Amount: 2.697925
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:32:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

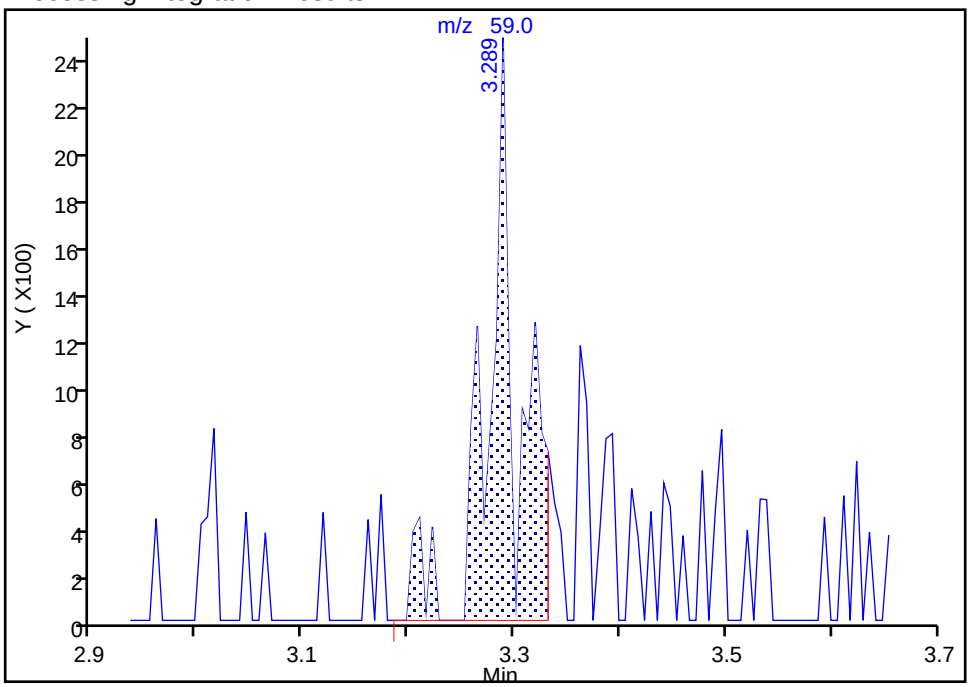
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Injection Date:	19-Nov-2020 15:09:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	LH	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

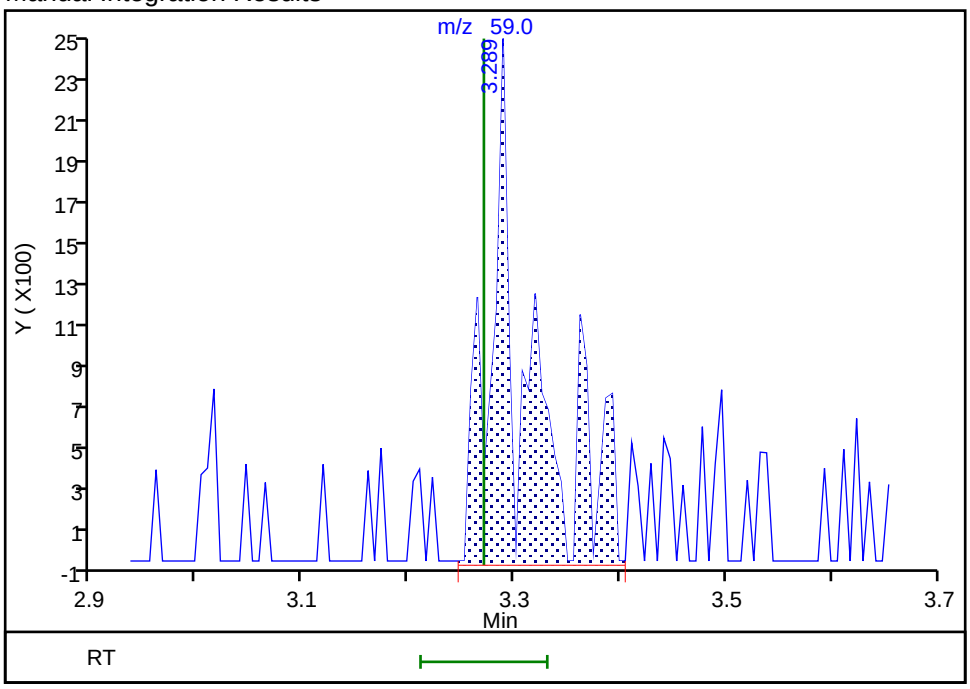
Processing Integration Results

RT: 3.29
Area: 4939
Amount: 3.921486
Amount Units: ug/L



Manual Integration Results

RT: 3.29
Area: 6474
Amount: 5.017311
Amount Units: ug/L



Reviewer: HillL, 20-Nov-2020 10:24:24
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

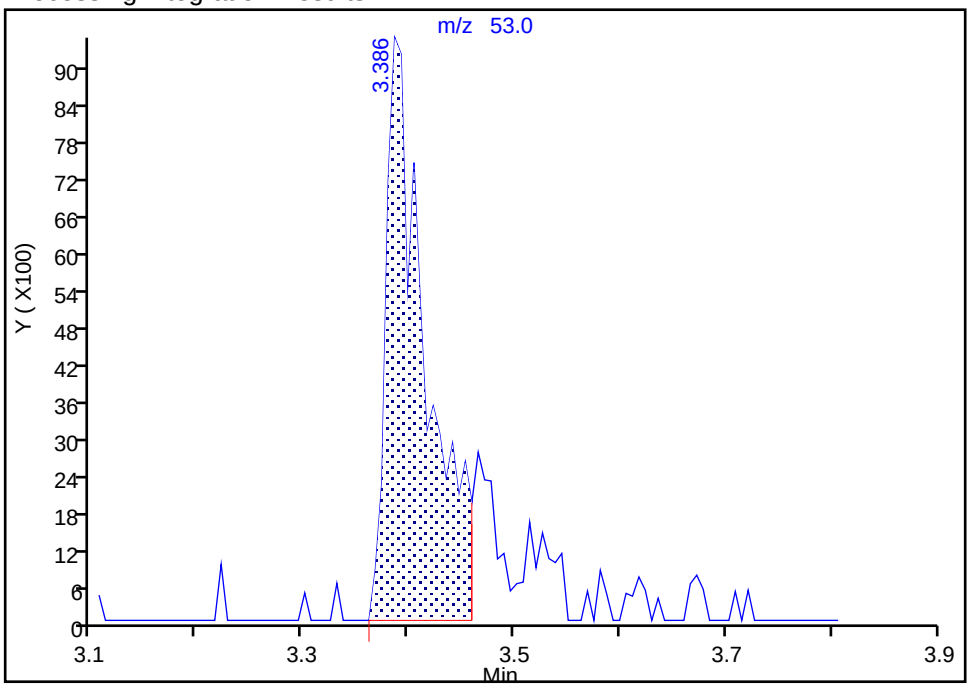
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Injection Date: 19-Nov-2020 15:09:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

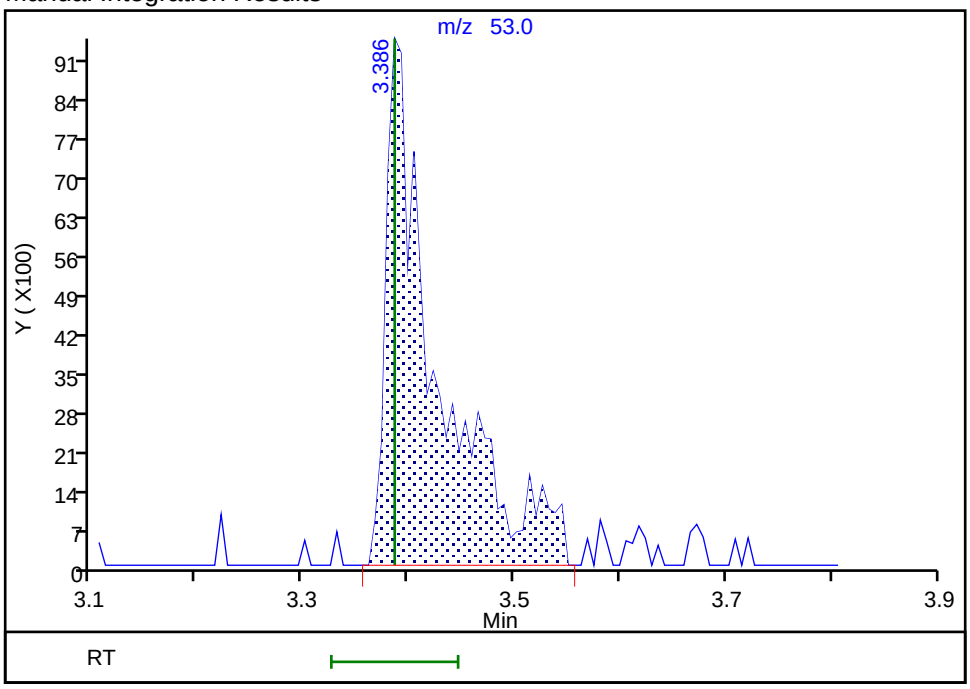
Processing Integration Results

RT: 3.39
Area: 24672
Amount: 4.400232
Amount Units: ug/L



Manual Integration Results

RT: 3.39
Area: 31211
Amount: 5.351495
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:37:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

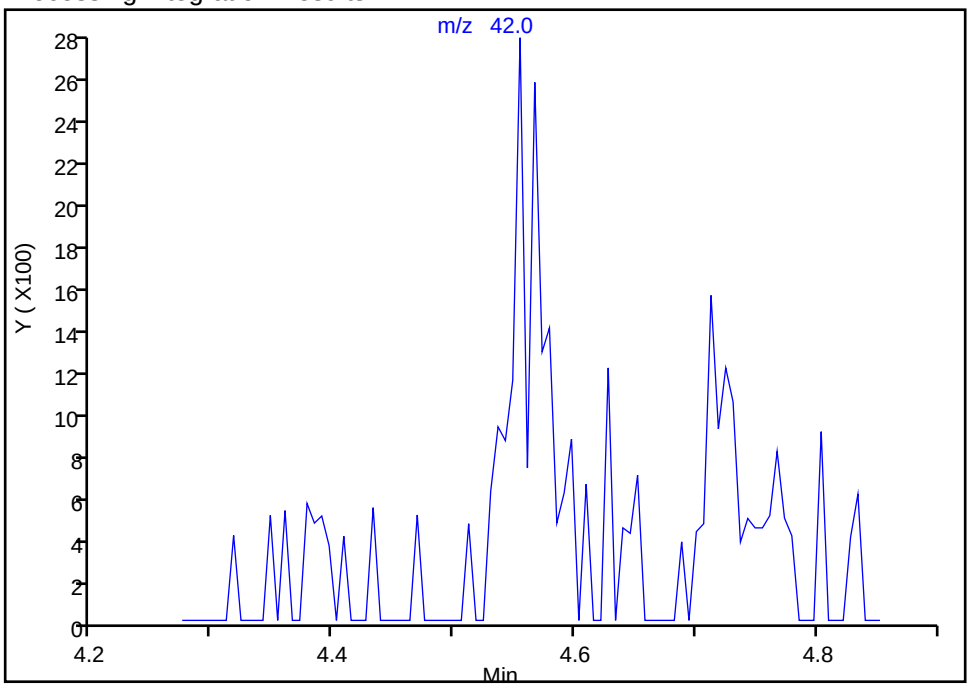
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Injection Date: 19-Nov-2020 15:09:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

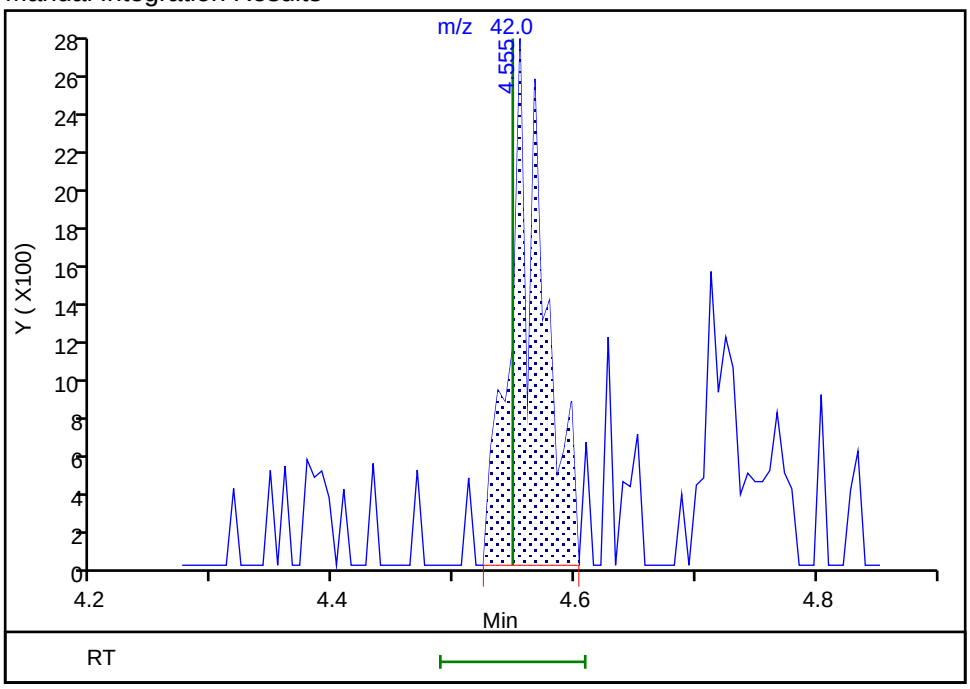
Not Detected
Expected RT: 4.55

Processing Integration Results



Manual Integration Results

RT: 4.55
Area: 5226
Amount: 1.071523
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:33:41
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

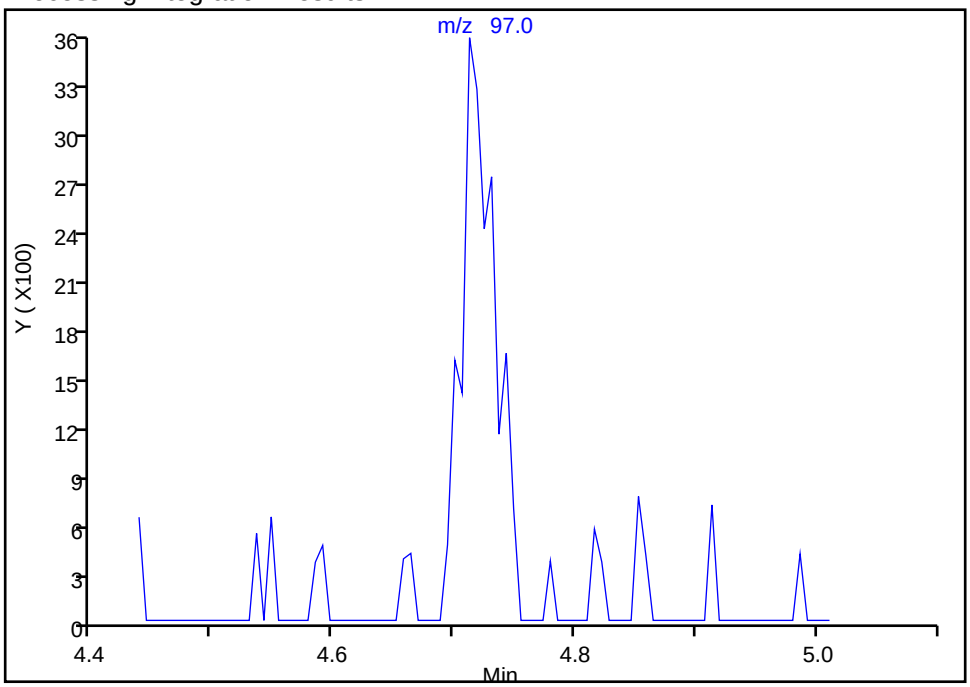
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Injection Date: 19-Nov-2020 15:09:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

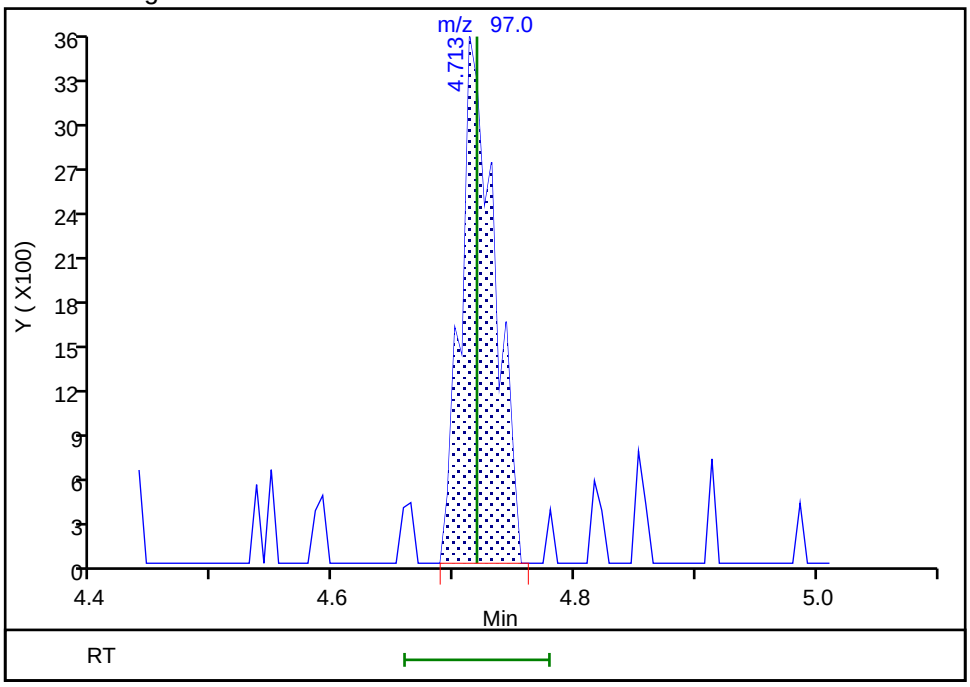
Not Detected
Expected RT: 4.72

Processing Integration Results



Manual Integration Results

RT: 4.71
Area: 6935
Amount: 0.430161
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:33:47
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

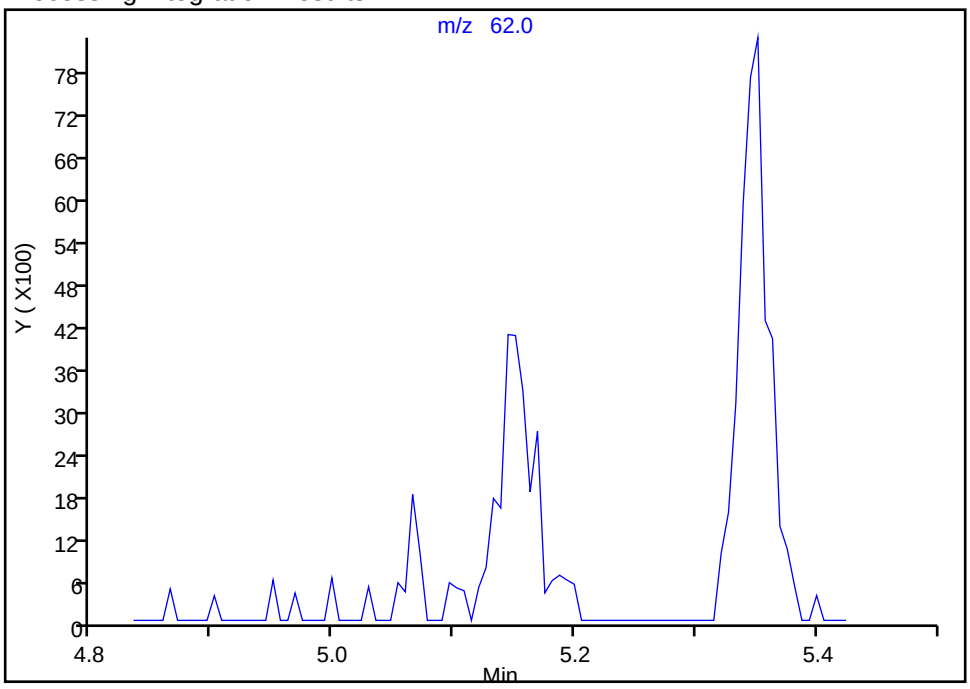
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Injection Date: 19-Nov-2020 15:09:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

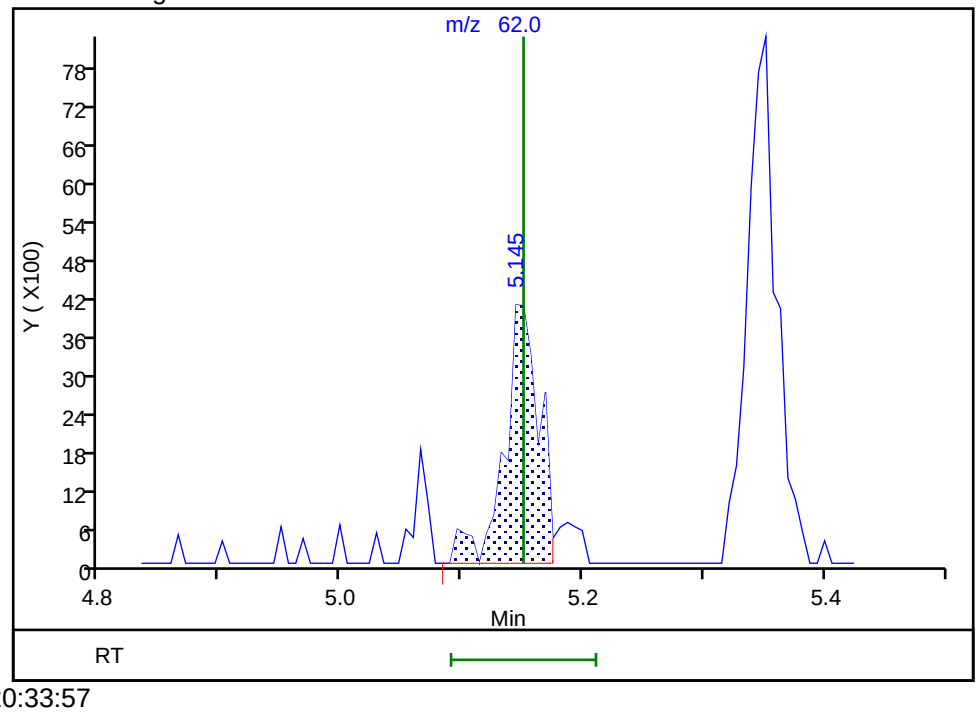
Not Detected
Expected RT: 5.15

Processing Integration Results



Manual Integration Results

RT: 5.14
Area: 8143
Amount: 0.480613
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:33:57
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

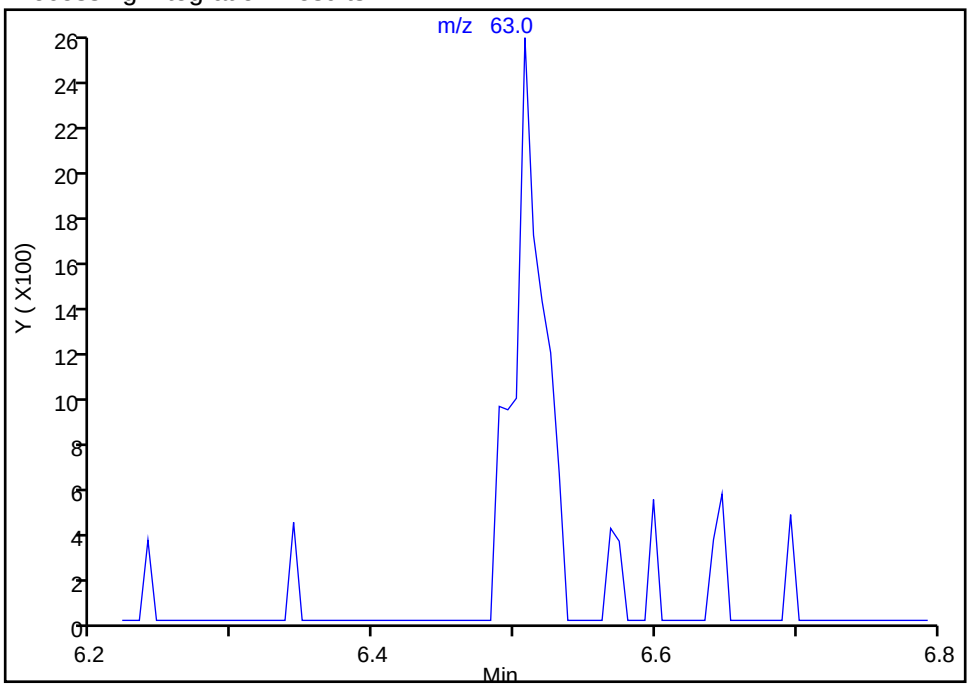
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Injection Date: 19-Nov-2020 15:09:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

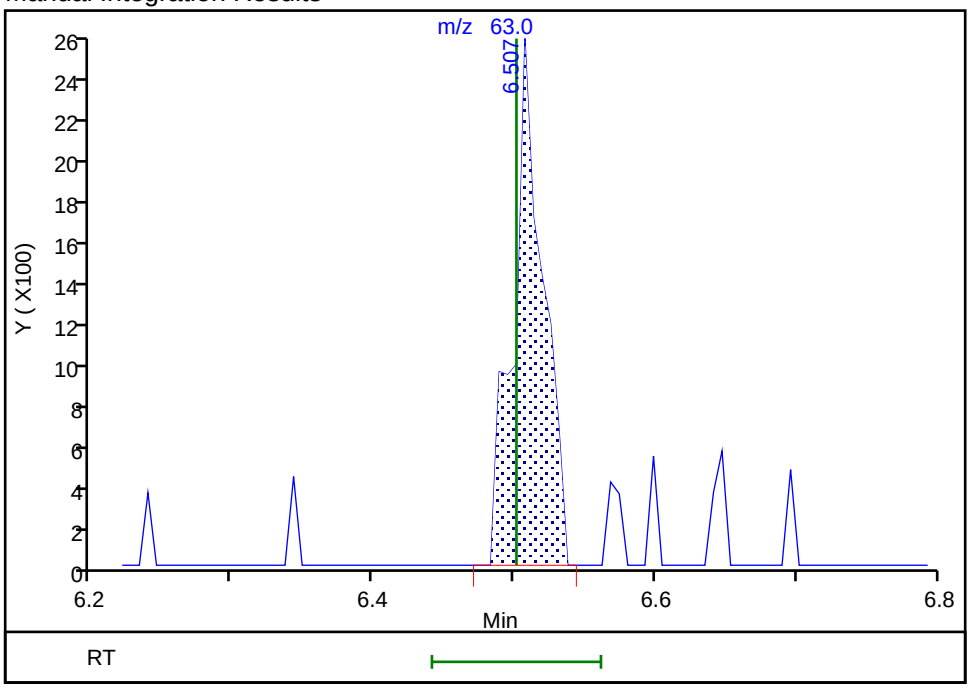
Not Detected
Expected RT: 6.50

Processing Integration Results



Manual Integration Results

RT: 6.51
Area: 3801
Amount: 0.463259
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:34:11
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

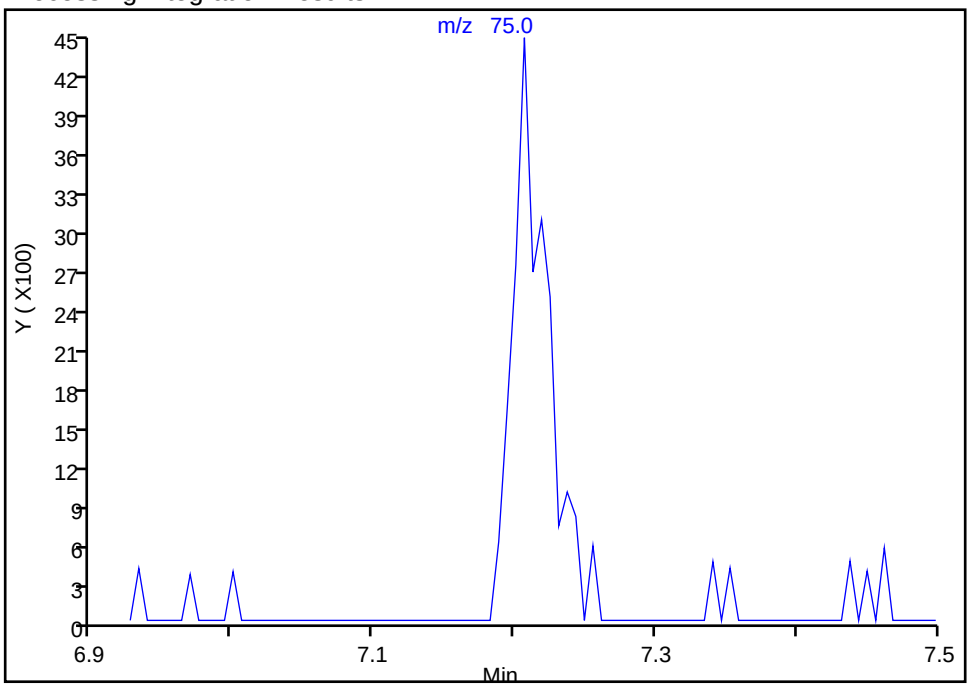
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Injection Date: 19-Nov-2020 15:09:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

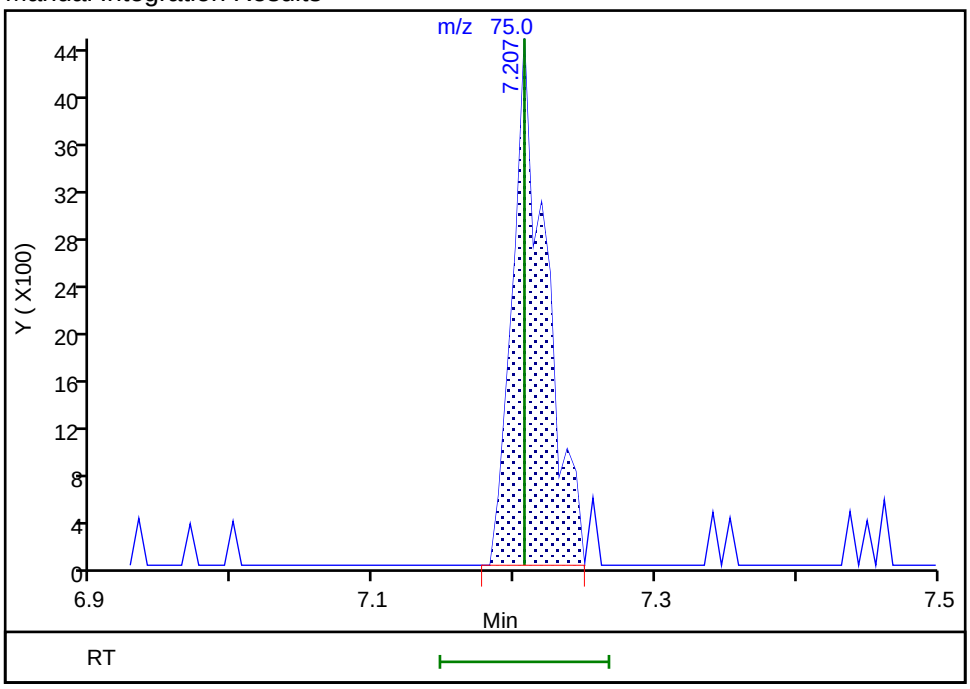
Not Detected
Expected RT: 7.21

Processing Integration Results



Manual Integration Results

RT: 7.21
Area: 7332
Amount: 0.462179
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:34:17
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

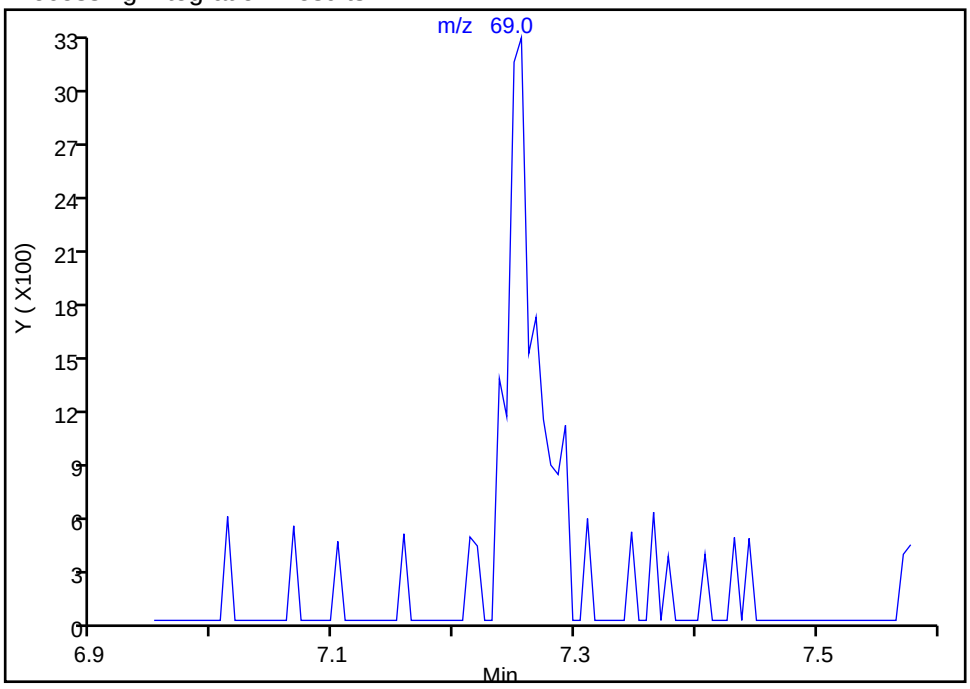
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Injection Date: 19-Nov-2020 15:09:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

75 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

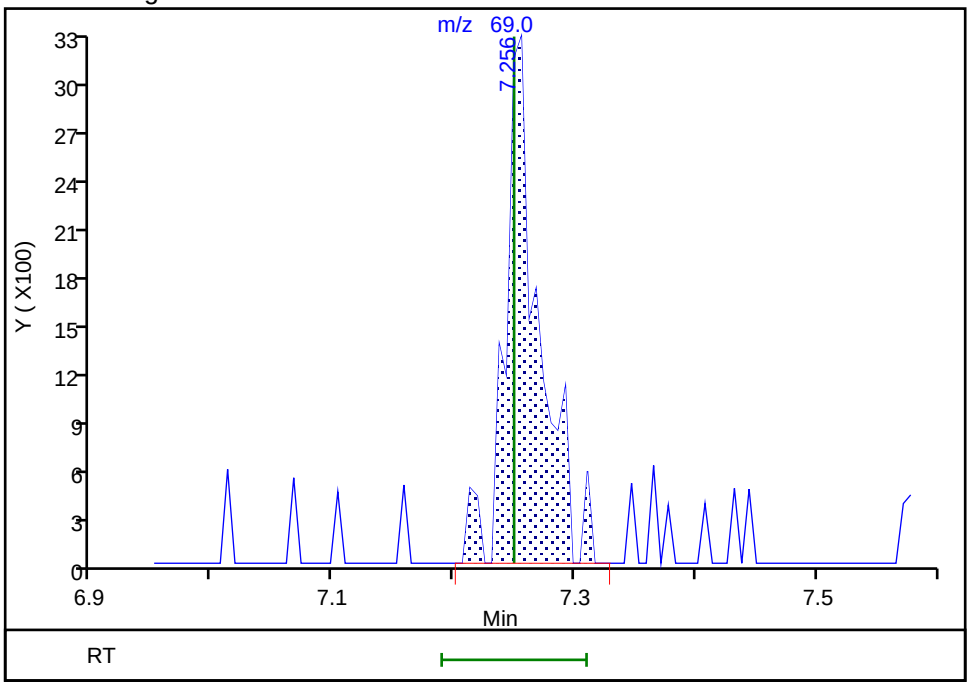
Not Detected
Expected RT: 7.25

Processing Integration Results



Manual Integration Results

RT: 7.26
Area: 6416
Amount: 0.456821
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:34:25
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

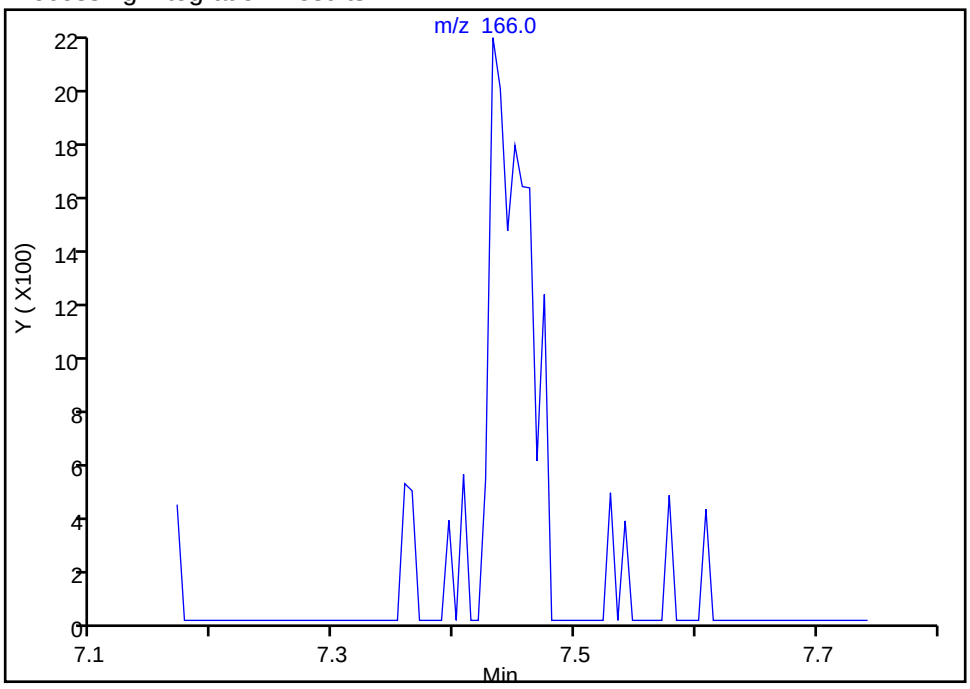
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Injection Date: 19-Nov-2020 15:09:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

81 Tetrachloroethene, CAS: 127-18-4

Signal: 1

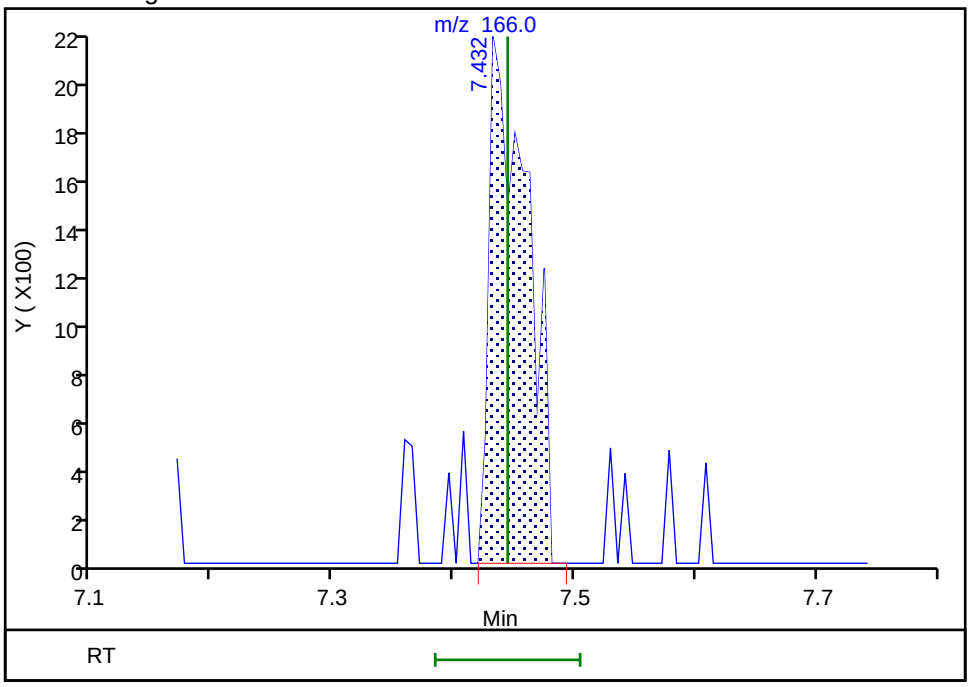
Not Detected
Expected RT: 7.44

Processing Integration Results



Manual Integration Results

RT: 7.43
Area: 4599
Amount: 0.398347
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:34:32
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4441.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Nov-2020 15:32:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0095091-009
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Nov-2020 11:12:17 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: farrellr Date: 19-Nov-2020 20:44:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.345	5.352	-0.007	99	181602	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.332	8.333	-0.001	87	380389	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.729	10.730	-0.001	96	368414	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.767	4.767	0.000	58	235311	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	99	163780	25.0	26.4	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	93	987439	25.0	26.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	88	297766	25.0	25.7	
10 Dichlorodifluoromethane	85	1.221	1.227	-0.006	45	9219	1.00	0.7763	
12 Chloromethane	50	1.403	1.409	-0.006	88	16977	1.00	1.04	
151 Butadiene	54	1.495	1.495	-0.001	88	14327	1.00	0.8973	
13 Vinyl chloride	62	1.488	1.495	-0.007	22	11706	1.00	0.8289	
14 Bromomethane	94	1.774	1.780	-0.006	62	8076	1.00	0.9597	
15 Chloroethane	64	1.866	1.860	0.006	34	9773	1.00	1.14	
16 Dichlorofluoromethane	67	2.072	2.085	-0.013	63	17222	1.00	0.9401	
17 Trichlorofluoromethane	101	2.085	2.085	0.000	71	16362	1.00	1.00	
18 Ethyl ether	59	2.364	2.364	0.000	76	11697	1.00	1.04	
20 Acrolein	56	2.547	2.547	0.000	64	7120	5.00	6.68	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.583	2.565	0.018	47	10926	1.00	1.05	
22 1,1-Dichloroethene	96	2.583	2.571	0.012	74	10875	1.00	1.06	
23 Acetone	43	2.705	2.699	0.006	91	26149	5.00	5.31	
25 Iodomethane	142	2.742	2.736	0.006	61	20175	1.00	1.09	
26 Carbon disulfide	76	2.766	2.766	0.000	95	30063	1.00	0.9827	
28 3-Chloro-1-propene	41	2.948	2.948	0.000	66	18084	1.00	0.9399	
27 Methyl acetate	43	3.003	2.997	0.006	89	26184	2.00	2.26	
30 Methylene Chloride	84	3.101	3.095	0.007	92	21053	1.00	1.01	
31 2-Methyl-2-propanol	59	3.271	3.271	0.000	84	14719	10.0	10.7	M
32 Methyl tert-butyl ether	73	3.307	3.307	0.000	85	37033	1.00	1.04	
34 trans-1,2-Dichloroethene	96	3.320	3.320	0.000	72	12022	1.00	0.9726	
33 Acrylonitrile	53	3.386	3.387	0.000	95	64759	10.0	10.4	
35 Hexane	57	3.508	3.514	-0.006	87	17310	1.00	0.9007	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.752	3.739	0.013	65	21304	1.00	0.9815	
37 Vinyl acetate	43	3.800	3.800	0.000	94	57328	2.00	1.84	
44 2,2-Dichloropropane	77	4.263	4.256	0.007	67	12932	1.00	0.9778	
45 cis-1,2-Dichloroethene	96	4.305	4.299	0.006	29	13908	1.00	1.06	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	96	36830	5.00	5.12	
48 Chlorobromomethane	128	4.536	4.536	0.000	77	5831	1.00	0.9194	
49 Tetrahydrofuran	42	4.555	4.548	0.007	84	11727	2.00	2.26	
50 Chloroform	83	4.615	4.609	0.006	68	24108	1.00	1.10	
51 1,1,1-Trichloroethane	97	4.713	4.719	-0.006	63	14960	1.00	0.8726	
52 Cyclohexane	56	4.719	4.725	-0.006	80	21583	1.00	0.9326	
55 Carbon tetrachloride	117	4.853	4.853	0.000	61	14316	1.00	1.00	
54 1,1-Dichloropropene	75	4.865	4.871	-0.006	74	15114	1.00	0.9441	
57 Benzene	78	5.078	5.078	0.000	48	48679	1.00	1.04	
53 Isobutyl alcohol	43	5.108	5.102	0.006	64	18747	25.0	29.7	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	45	18408	1.00	1.02	
59 n-Heptane	43	5.248	5.254	-0.006	88	18680	1.00	0.8741	
62 Trichloroethene	95	5.686	5.686	0.000	69	11404	1.00	0.9407	
64 Methylcyclohexane	83	5.790	5.796	-0.006	76	19581	1.00	0.9687	
65 1,2-Dichloropropane	63	5.923	5.929	-0.006	70	11693	1.00	0.9618	
67 Dibromomethane	93	6.069	6.063	0.006	73	7789	1.00	1.03	
66 1,4-Dioxane	88	6.075	6.069	0.006	0	2474	20.0	22.9	M
68 Dichlorobromomethane	83	6.215	6.221	-0.006	66	13293	1.00	0.9053	
69 2-Chloroethyl vinyl ether	63	6.507	6.501	0.006	57	9409	1.00	1.08	M
72 cis-1,3-Dichloropropene	75	6.635	6.635	0.000	59	15844	1.00	0.8972	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.781	0.006	91	76340	5.00	4.71	
74 Toluene	92	6.921	6.921	0.000	66	32668	1.00	1.10	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	69	16441	1.00	0.9877	
75 Ethyl methacrylate	69	7.256	7.250	0.006	39	12749	1.00	0.8651	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	65	8248	1.00	0.9344	
81 Tetrachloroethene	166	7.450	7.444	0.006	69	12130	1.00	1.00	
82 1,3-Dichloropropane	76	7.554	7.554	0.000	78	18222	1.00	0.9766	
80 2-Hexanone	43	7.627	7.621	0.006	93	58638	5.00	5.10	
83 Chlorodibromomethane	129	7.797	7.791	0.006	43	11286	1.00	1.07	
84 Ethylene Dibromide	107	7.888	7.888	0.000	74	11205	1.00	0.9748	
87 Chlorobenzene	112	8.363	8.363	0.000	77	32426	1.00	1.01	
88 Ethylbenzene	91	8.454	8.454	0.000	95	55863	1.00	0.9897	
89 1,1,1,2-Tetrachloroethane	131	8.460	8.460	0.000	33	11864	1.00	1.05	
90 m-Xylene & p-Xylene	106	8.576	8.576	0.000	93	19957	1.00	0.9414	
91 o-Xylene	106	9.002	9.002	0.000	86	21028	1.00	0.99	
92 Styrene	104	9.044	9.038	0.006	5	28598	1.00	0.8514	
95 Bromoform	173	9.288	9.288	0.000	67	5257	1.00	0.8145	
94 Isopropylbenzene	105	9.391	9.391	0.000	87	52581	1.00	0.9569	
101 Bromobenzene	156	9.738	9.738	0.000	82	15510	1.00	1.08	
97 1,1,2,2-Tetrachloroethane	83	9.811	9.799	0.012	36	14212	1.00	0.9167	
99 N-Propylbenzene	91	9.823	9.817	0.006	92	68628	1.00	1.02	
100 1,2,3-Trichloropropane	110	9.829	9.835	-0.006	45	4842	1.00	0.9270	
98 trans-1,4-Dichloro-2-butene	53	9.847	9.847	0.000	0	2968	1.00	0.7321	M
103 2-Chlorotoluene	126	9.926	9.920	0.006	92	12231	1.00	0.8989	
102 1,3,5-Trimethylbenzene	105	9.999	9.999	0.000	79	43149	1.00	0.9015	
105 4-Chlorotoluene	126	10.036	10.036	0.000	68	14300	1.00	1.03	
106 tert-Butylbenzene	134	10.322	10.316	0.006	78	12217	1.00	1.10	
107 1,2,4-Trimethylbenzene	105	10.377	10.370	0.007	74	40117	1.00	0.8319	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	79	55015	1.00	0.8822	
111 1,3-Dichlorobenzene	146	10.669	10.662	0.007	58	28356	1.00	1.00	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	85	45015	1.00	0.8333	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	17	28942	1.00	1.00	
115 n-Butylbenzene	91	11.058	11.058	0.000	84	44909	1.00	0.8931	
116 1,2-Dichlorobenzene	146	11.100	11.107	-0.007	82	29921	1.00	1.08	
117 1,2-Dibromo-3-Chloropropane	75	11.837	11.837	0.000	1	2975	1.00	1.00	
119 1,2,4-Trichlorobenzene	180	12.506	12.506	0.000	70	18112	1.00	0.8630	
120 Hexachlorobutadiene	225	12.615	12.621	-0.006	54	7506	1.00	0.8505	
121 Naphthalene	128	12.725	12.725	0.000	86	48156	1.00	0.8712	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	76	18945	1.00	0.9580	
S 125 1,2-Dichloroethene, Total	1				0			2.03	
S 123 Total BTEX	1				0			5.06	
S 126 1,3-Dichloropropene, Total	1				0			1.88	
S 124 Xylenes, Total	1				0			1.93	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00427	Amount Added:	1.00	Units: uL	
8260 CORP mix_00198	Amount Added:	1.00	Units: uL	
S_8260_IS_00342	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00377	Amount Added:	1.00	Units: uL	Run Reagent

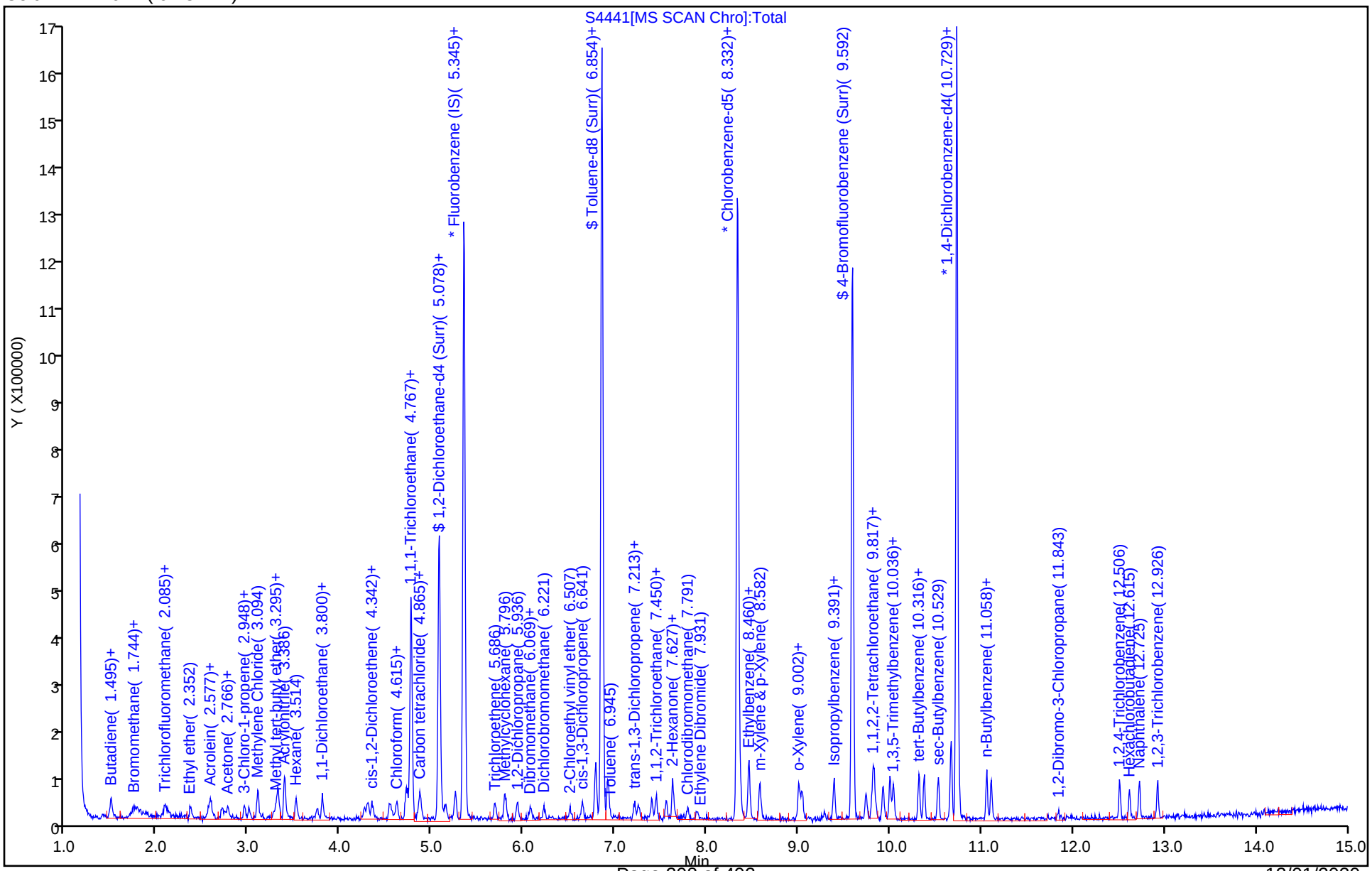
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Eurofins TestAmerica, Buffalo

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Injection Date:	19-Nov-2020 15:32:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

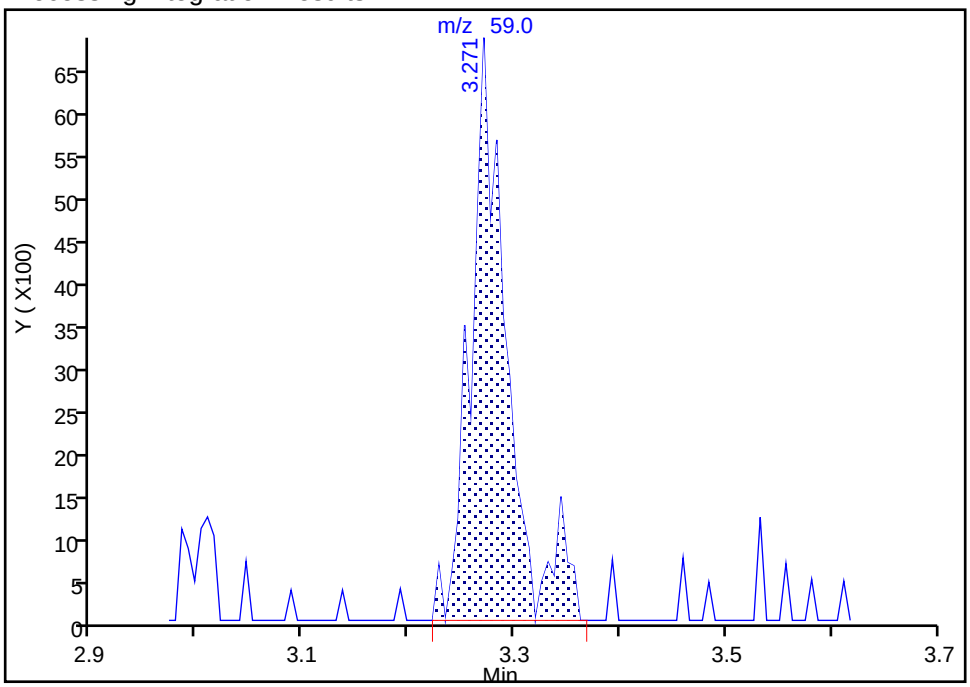
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Injection Date: 19-Nov-2020 15:32:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

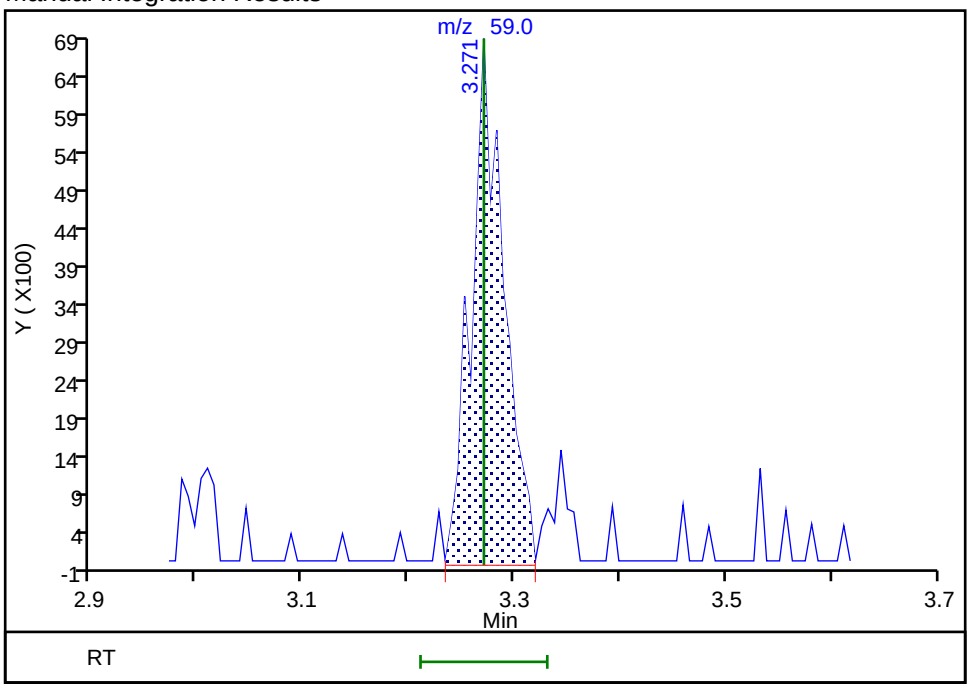
Processing Integration Results

RT: 3.27
Area: 16248
Amount: 11.772469
Amount Units: ug/L



Manual Integration Results

RT: 3.27
Area: 14719
Amount: 10.726736
Amount Units: ug/L



Reviewer: HillL, 20-Nov-2020 10:24:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

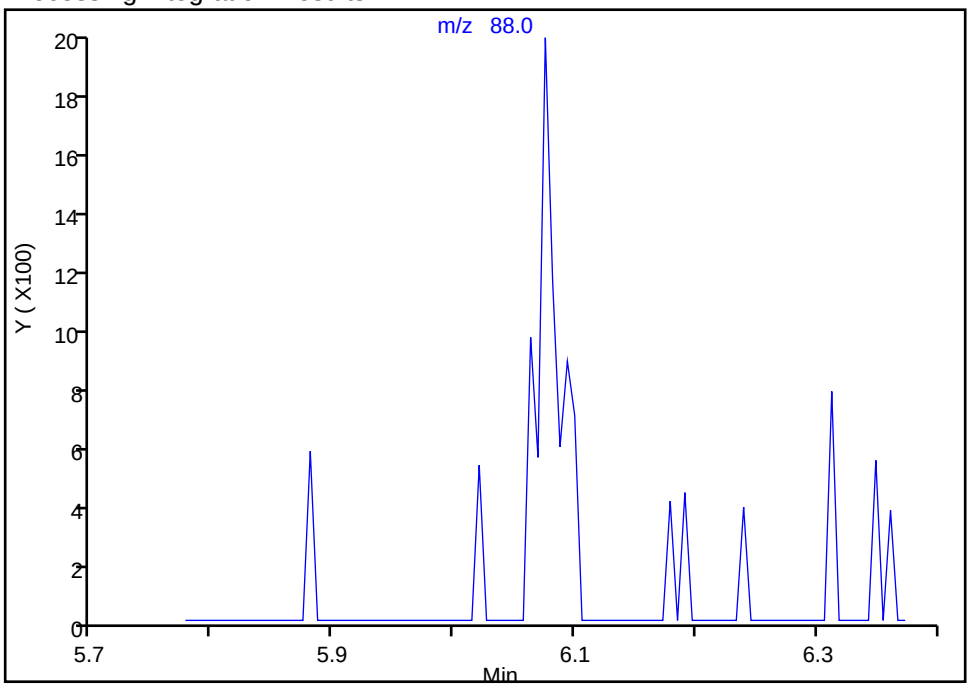
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Injection Date: 19-Nov-2020 15:32:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

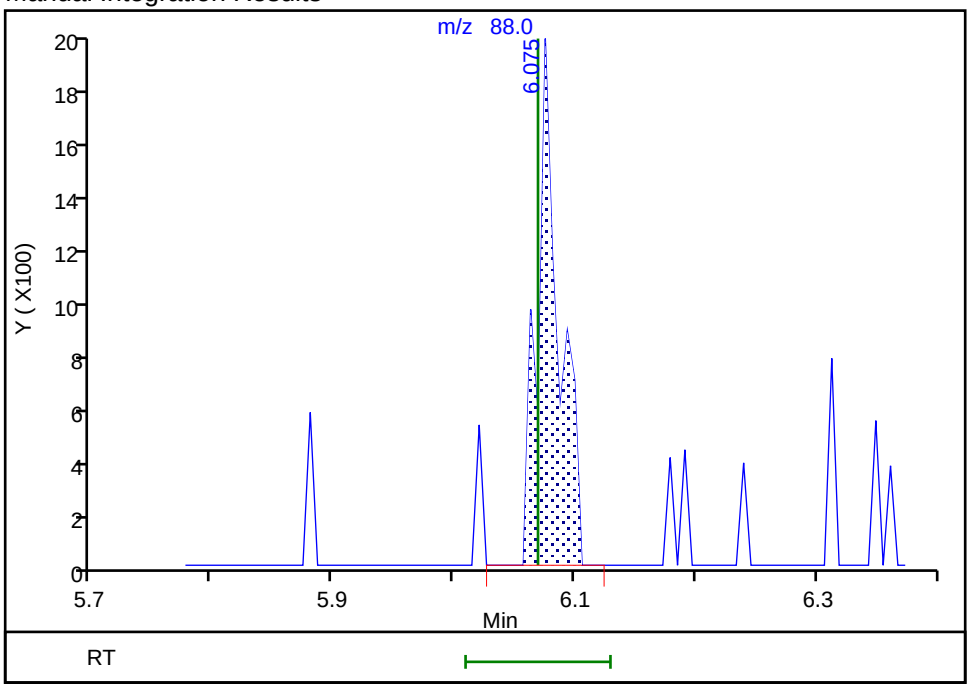
Not Detected
Expected RT: 6.07

Processing Integration Results



Manual Integration Results

RT: 6.08
Area: 2474
Amount: 22.882029
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:42:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

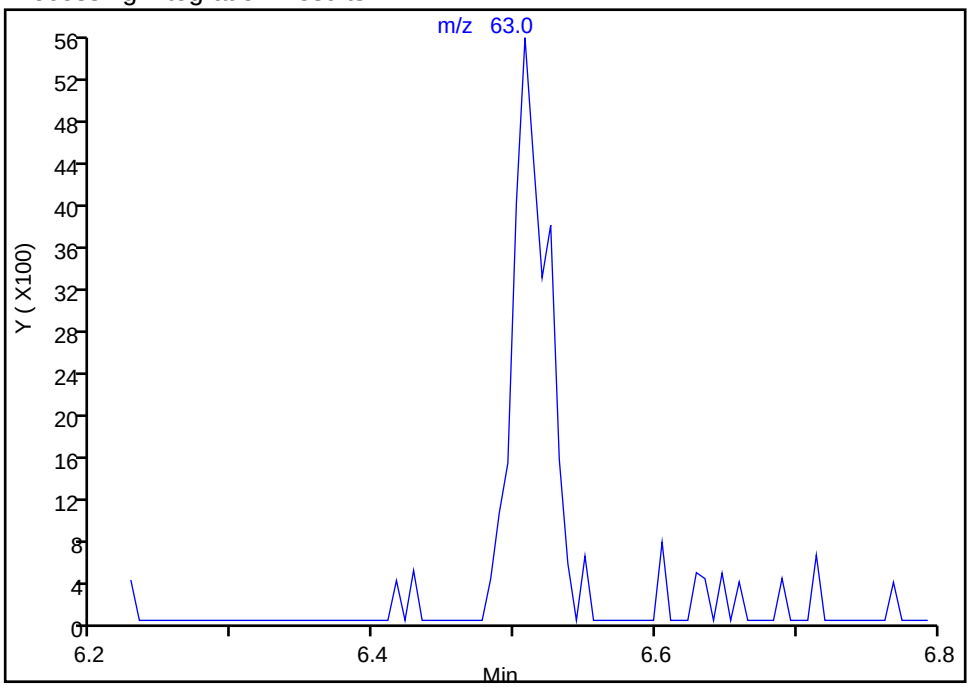
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Injection Date: 19-Nov-2020 15:32:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

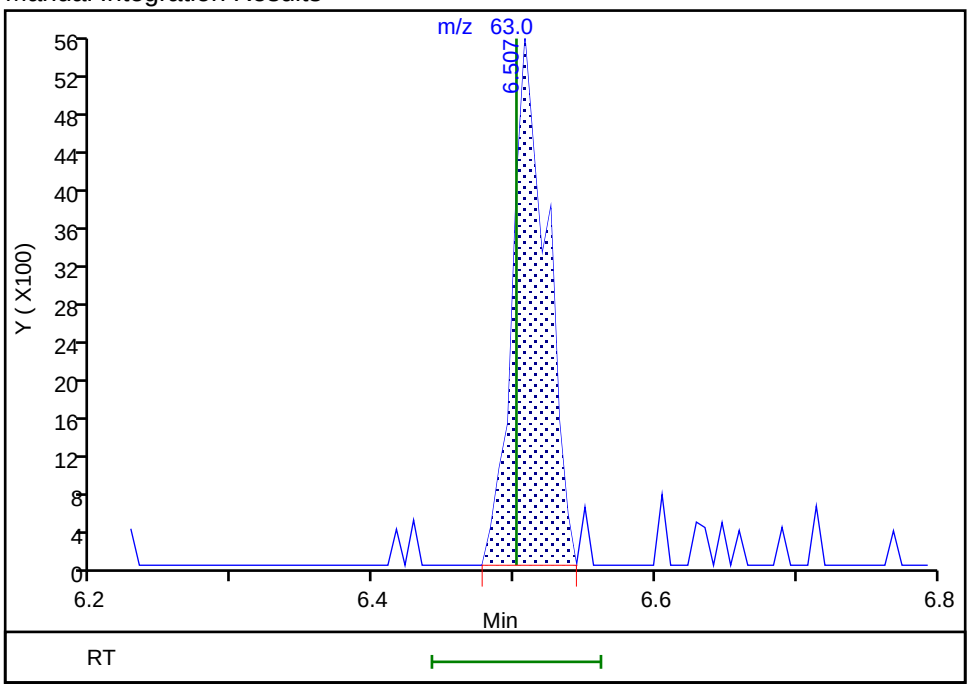
Not Detected
Expected RT: 6.50

Processing Integration Results



RT: 6.51
Area: 9409
Amount: 1.078351
Amount Units: ug/L

Manual Integration Results



Reviewer: farrellr, 19-Nov-2020 20:42:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

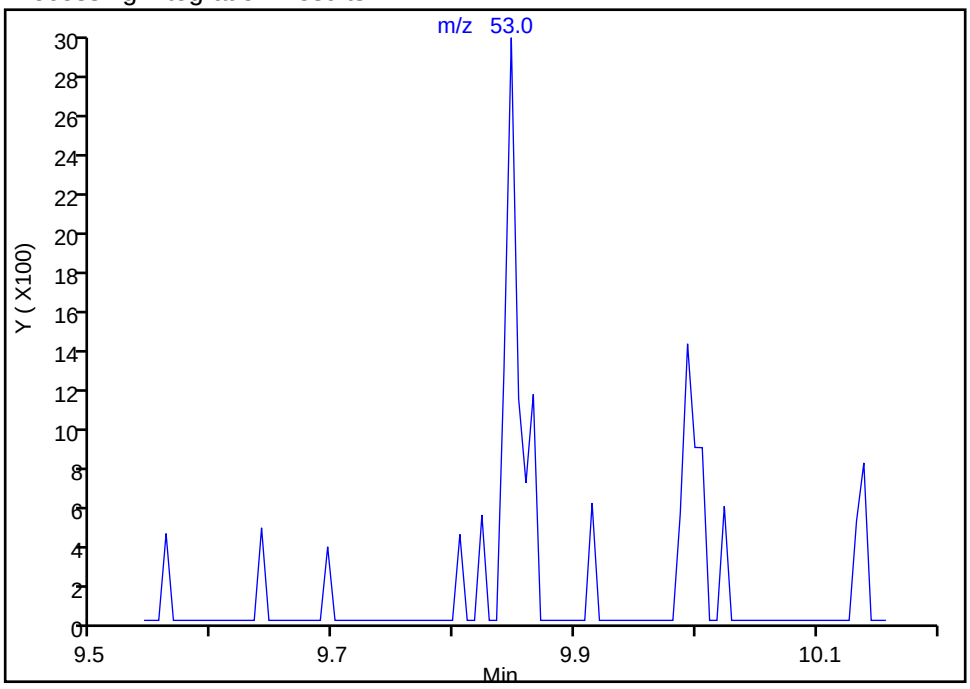
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Injection Date: 19-Nov-2020 15:32:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

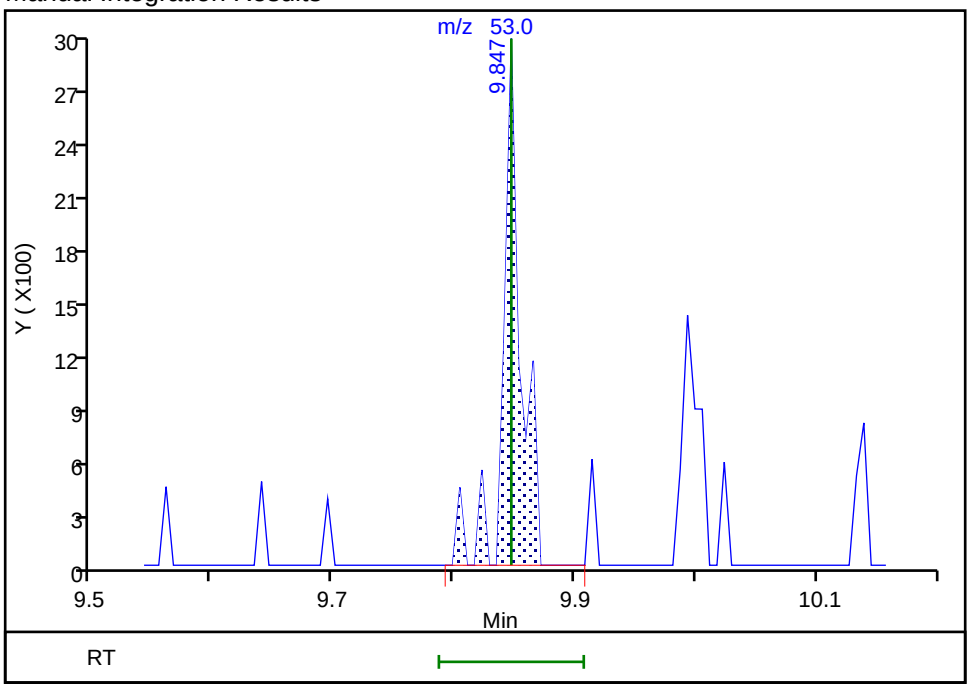
Not Detected
Expected RT: 9.85

Processing Integration Results



Manual Integration Results

RT: 9.85
Area: 2968
Amount: 0.732122
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:44:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4442.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Nov-2020 15:55:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0095091-010
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Nov-2020 11:12:27 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: farrellr Date: 19-Nov-2020 20:46:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.345	5.352	-0.007	99	177466	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.333	0.006	86	366478	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.729	10.730	-0.001	95	379681	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.767	4.767	0.000	57	219891	25.0	23.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.072	5.078	-0.006	98	139021	25.0	22.9	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	93	915127	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	88	282975	25.0	25.3	
10 Dichlorodifluoromethane	85	1.227	1.227	0.000	76	25793	2.00	2.22	
12 Chloromethane	50	1.403	1.409	-0.006	92	34149	2.00	2.13	
151 Butadiene	54	1.495	1.495	0.000	63	34293	2.00	2.20	
13 Vinyl chloride	62	1.488	1.495	-0.007	49	28052	2.00	2.03	
14 Bromomethane	94	1.780	1.780	0.000	81	20007	2.00	2.43	
15 Chloroethane	64	1.866	1.860	0.006	63	17321	2.00	2.07	
16 Dichlorofluoromethane	67	2.079	2.085	-0.006	88	39792	2.00	2.22	
17 Trichlorofluoromethane	101	2.072	2.085	-0.013	74	34081	2.00	2.12	
18 Ethyl ether	59	2.364	2.364	0.000	92	20614	2.00	1.88	
20 Acrolein	56	2.547	2.547	0.000	55	9348	10.0	8.98	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.571	2.565	0.006	43	24357	2.00	2.40	
22 1,1-Dichloroethene	96	2.577	2.571	0.006	92	21234	2.00	2.13	
23 Acetone	43	2.699	2.699	0.000	92	44652	10.0	9.29	
25 Iodomethane	142	2.736	2.736	0.000	97	38220	2.00	2.12	
26 Carbon disulfide	76	2.766	2.766	0.000	96	62257	2.00	2.08	
28 3-Chloro-1-propene	41	2.949	2.948	0.000	79	34535	2.00	1.84	
27 Methyl acetate	43	2.997	2.997	0.000	93	30912	4.00	2.73	
30 Methylene Chloride	84	3.095	3.095	0.000	87	30945	2.00	1.91	
31 2-Methyl-2-propanol	59	3.283	3.271	0.012	57	22216	20.0	16.6	M
32 Methyl tert-butyl ether	73	3.307	3.307	0.000	84	68263	2.00	1.96	
34 trans-1,2-Dichloroethene	96	3.320	3.320	0.000	84	27336	2.00	2.26	
33 Acrylonitrile	53	3.387	3.387	0.001	95	94742	20.0	15.6	
35 Hexane	57	3.514	3.514	0.000	86	37283	2.00	1.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.745	3.739	0.006	90	44690	2.00	2.11	
37 Vinyl acetate	43	3.806	3.800	0.006	89	105912	4.00	3.48	
44 2,2-Dichloropropane	77	4.263	4.256	0.007	70	27855	2.00	2.16	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	34	28648	2.00	2.23	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	94	59474	10.0	8.47	
48 Chlorobromomethane	128	4.542	4.536	0.006	78	12477	2.00	2.01	
49 Tetrahydrofuran	42	4.555	4.548	0.007	82	15609	4.00	3.08	
50 Chloroform	83	4.609	4.609	0.000	75	43871	2.00	2.06	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	60	34891	2.00	2.08	
52 Cyclohexane	56	4.719	4.725	-0.006	81	48112	2.00	2.13	
55 Carbon tetrachloride	117	4.859	4.853	0.006	76	29181	2.00	2.09	
54 1,1-Dichloropropene	75	4.865	4.871	-0.006	82	36629	2.00	2.34	
57 Benzene	78	5.072	5.078	-0.006	58	93712	2.00	2.05	
53 Isobutyl alcohol	43	5.108	5.102	0.006	60	26022	50.0	42.2	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	57	37349	2.00	2.12	
59 n-Heptane	43	5.254	5.254	0.000	88	47706	2.00	2.28	
62 Trichloroethene	95	5.686	5.686	0.000	78	24619	2.00	2.08	
64 Methylcyclohexane	83	5.796	5.796	0.000	81	41481	2.00	2.10	
65 1,2-Dichloropropane	63	5.923	5.929	-0.006	74	23278	2.00	1.96	
67 Dibromomethane	93	6.069	6.063	0.006	76	17029	2.00	2.31	
66 1,4-Dioxane	88	6.075	6.069	0.006	14	4799	40.0	46.1	
68 Dichlorobromomethane	83	6.221	6.221	0.000	83	27846	2.00	1.94	
69 2-Chloroethyl vinyl ether	63	6.507	6.501	0.006	67	15865	2.00	1.86	
72 cis-1,3-Dichloropropene	75	6.647	6.635	0.012	66	34384	2.00	1.99	
73 4-Methyl-2-pentanone (MIBK)	43	6.787	6.781	0.006	96	145027	10.0	9.29	
74 Toluene	92	6.921	6.921	0.000	73	61193	2.00	2.14	
77 trans-1,3-Dichloropropene	75	7.213	7.207	0.006	81	29803	2.00	1.86	
75 Ethyl methacrylate	69	7.256	7.250	0.006	57	28233	2.00	1.99	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	81	16595	2.00	1.95	
81 Tetrachloroethene	166	7.444	7.444	0.000	75	27184	2.00	2.33	M
82 1,3-Dichloropropane	76	7.560	7.554	0.006	77	38500	2.00	2.14	
80 2-Hexanone	43	7.627	7.621	0.006	94	104068	10.0	9.40	
83 Chlorodibromomethane	129	7.791	7.791	0.000	59	20883	2.00	2.05	
84 Ethylene Dibromide	107	7.901	7.888	0.013	67	22093	2.00	1.99	
87 Chlorobenzene	112	8.369	8.363	0.006	80	67164	2.00	2.17	
88 Ethylbenzene	91	8.460	8.454	0.006	93	116053	2.00	2.13	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.460	0.006	43	23989	2.00	2.21	
90 m-Xylene & p-Xylene	106	8.582	8.576	0.006	96	43167	2.00	2.11	
91 o-Xylene	106	9.008	9.002	0.006	92	44376	2.00	2.17	
92 Styrene	104	9.038	9.038	0.000	79	66254	2.00	2.05	
95 Bromoform	173	9.288	9.288	0.000	75	12582	2.00	2.02	
94 Isopropylbenzene	105	9.391	9.391	0.000	89	112103	2.00	1.98	
101 Bromobenzene	156	9.738	9.738	0.000	93	27420	2.00	1.85	
97 1,1,2,2-Tetrachloroethane	83	9.799	9.799	0.000	85	31063	2.00	1.94	
99 N-Propylbenzene	91	9.817	9.817	0.000	96	138565	2.00	1.99	
100 1,2,3-Trichloropropane	110	9.829	9.835	-0.006	34	9988	2.00	1.86	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.847	0.006	50	6941	2.00	1.66	
103 2-Chlorotoluene	126	9.926	9.920	0.006	95	29515	2.00	2.10	
102 1,3,5-Trimethylbenzene	105	9.999	9.999	0.000	84	95461	2.00	1.94	
105 4-Chlorotoluene	126	10.042	10.036	0.006	70	27800	2.00	1.95	
106 tert-Butylbenzene	134	10.322	10.316	0.006	85	23406	2.00	2.04	
107 1,2,4-Trimethylbenzene	105	10.370	10.370	0.000	76	97980	2.00	1.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	91	122023	2.00	1.90	
111 1,3-Dichlorobenzene	146	10.669	10.662	0.007	70	59537	2.00	2.04	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	95	112269	2.00	2.02	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	88	63021	2.00	2.11	
115 n-Butylbenzene	91	11.058	11.058	0.000	90	98788	2.00	1.91	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	85	59103	2.00	2.06	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.837	0.006	44	4937	2.00	1.61	
119 1,2,4-Trichlorobenzene	180	12.506	12.506	0.000	85	40336	2.00	1.86	
120 Hexachlorobutadiene	225	12.621	12.621	0.000	79	17944	2.00	1.97	
121 Naphthalene	128	12.725	12.725	0.000	92	107121	2.00	1.88	
122 1,2,3-Trichlorobenzene	180	12.919	12.926	-0.007	81	40795	2.00	2.00	
S 125 1,2-Dichloroethene, Total	1				0			4.49	
S 123 Total BTEX	1				0			10.6	
S 126 1,3-Dichloropropene, Total	1				0			3.85	
S 124 Xylenes, Total	1				0			4.29	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00427	Amount Added:	2.00	Units: uL	
8260 CORP mix_00198	Amount Added:	2.00	Units: uL	
S_8260_IS_00342	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00377	Amount Added:	1.00	Units: uL	Run Reagent

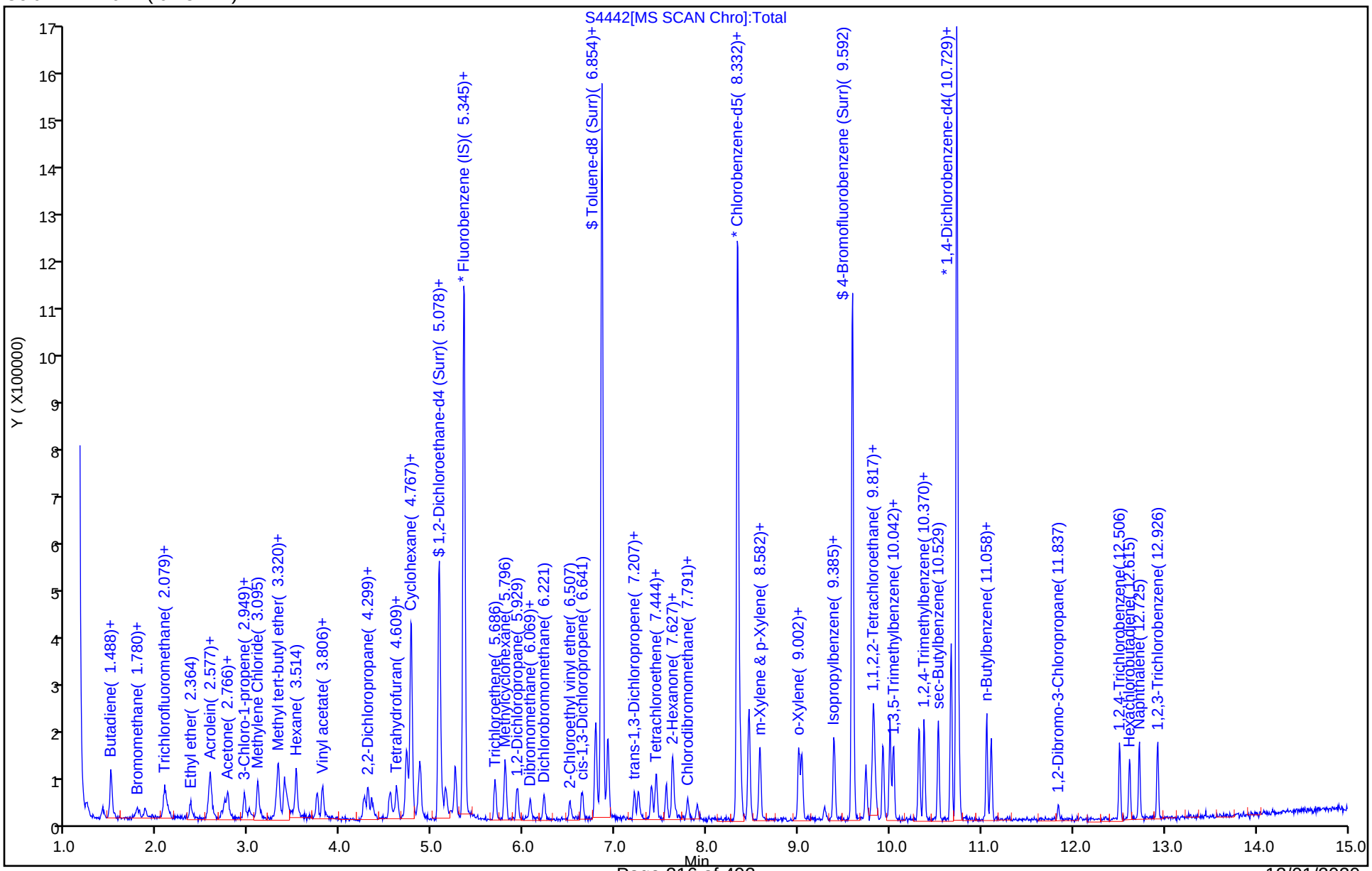
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Eurofins TestAmerica, Buffalo

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Injection Date:	19-Nov-2020 15:55:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

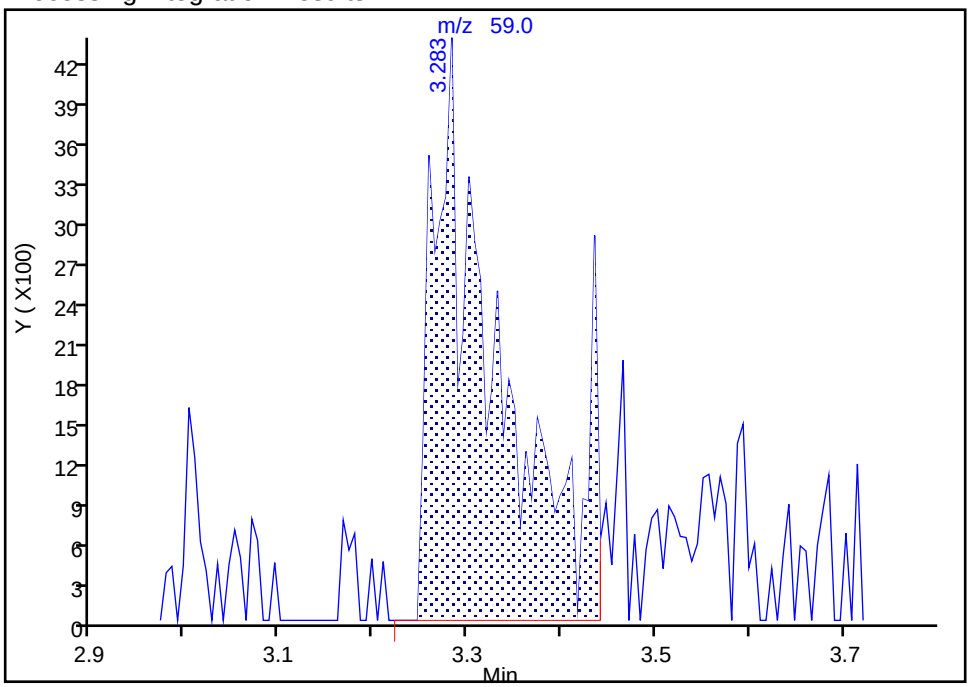
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Lims ID:	IC 2				
Client ID:					
Operator ID:	LH	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

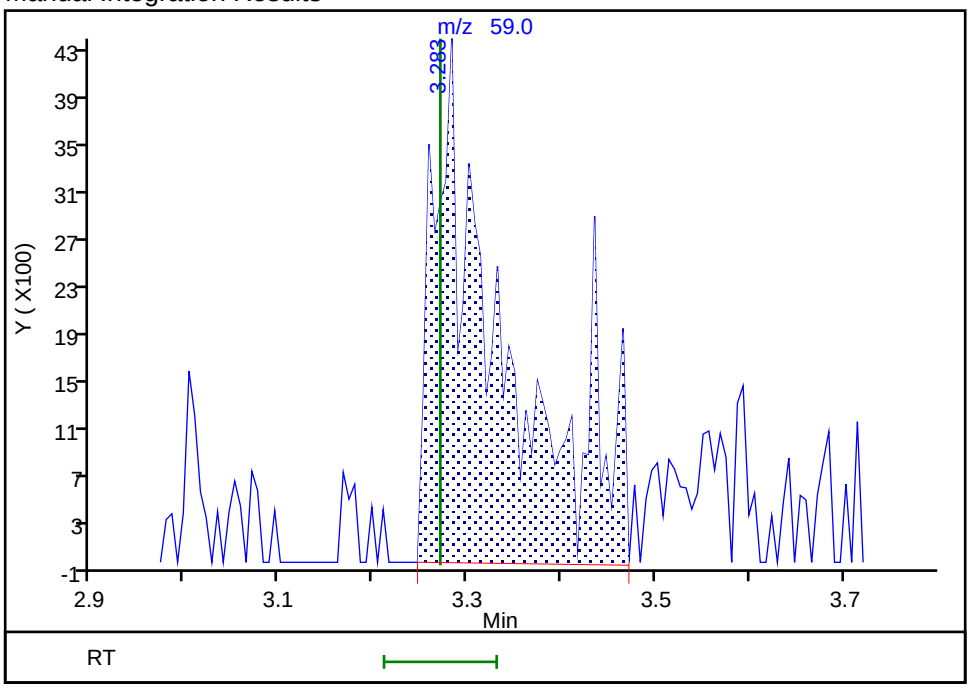
Processing Integration Results

RT: 3.28
Area: 20477
Amount: 15.395562
Amount Units: ug/L



Manual Integration Results

RT: 3.28
Area: 22216
Amount: 16.567639
Amount Units: ug/L



Reviewer: HillL, 20-Nov-2020 10:25:23

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

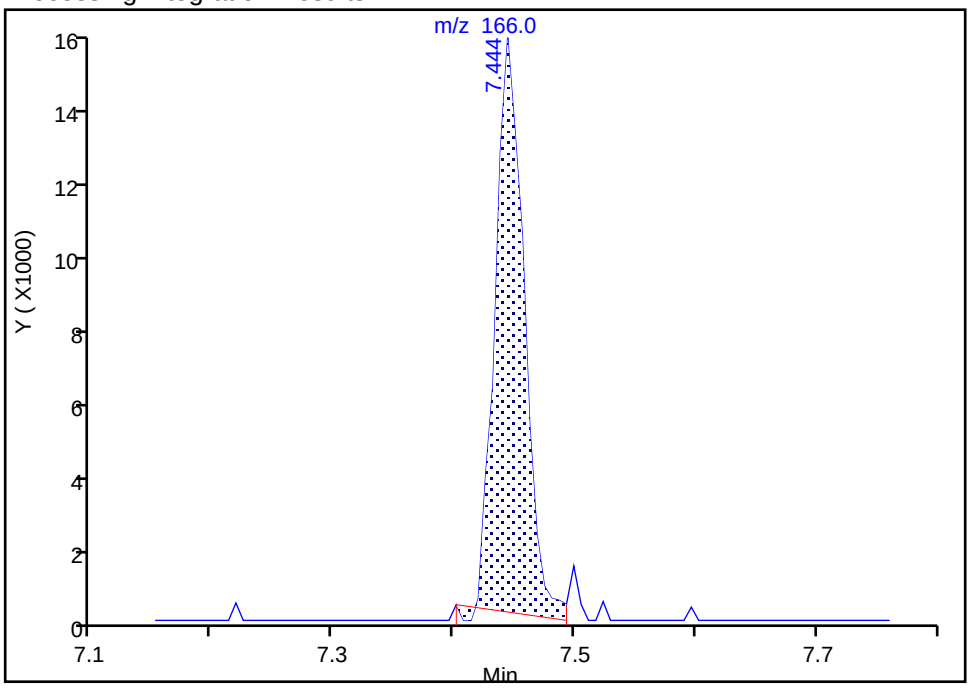
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Injection Date: 19-Nov-2020 15:55:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

81 Tetrachloroethene, CAS: 127-18-4

Signal: 1

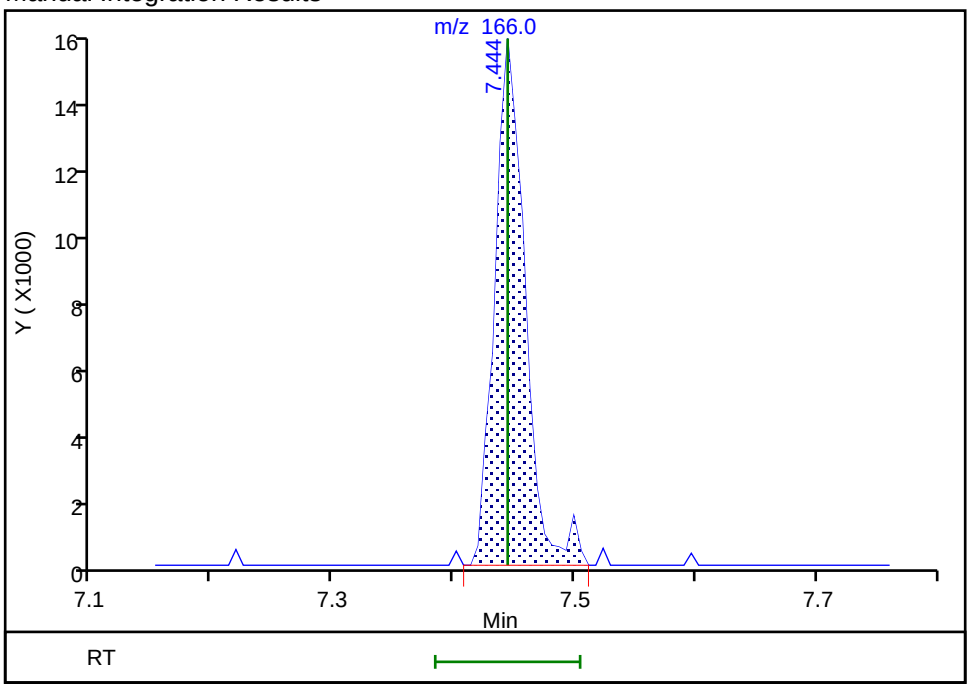
Processing Integration Results

RT: 7.44
Area: 25415
Amount: 2.198356
Amount Units: ug/L



Manual Integration Results

RT: 7.44
Area: 27184
Amount: 2.329097
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:46:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4443.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Nov-2020 16:18:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0095091-011
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Nov-2020 11:12:36 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: farrellr Date: 19-Nov-2020 20:48:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.352	-0.006	98	187805	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.333	8.333	0.000	86	391246	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.730	10.730	0.000	88	375692	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.768	4.767	0.001	59	238063	25.0	24.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.072	5.078	-0.006	89	162852	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	93	970962	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	89	293399	25.0	24.6	
10 Dichlorodifluoromethane	85	1.233	1.227	0.006	93	53332	5.00	4.34	
12 Chloromethane	50	1.410	1.409	0.001	99	78008	5.00	4.61	
151 Butadiene	54	1.495	1.495	0.000	62	83287	5.00	5.04	
13 Vinyl chloride	62	1.495	1.495	0.000	65	69569	5.00	4.76	
14 Bromomethane	94	1.793	1.780	0.013	84	36578	5.00	4.20	
15 Chloroethane	64	1.860	1.860	0.000	73	43372	5.00	4.90	
16 Dichlorofluoromethane	67	2.091	2.085	0.006	93	93745	5.00	4.95	
17 Trichlorofluoromethane	101	2.091	2.085	0.006	70	81267	5.00	4.78	
18 Ethyl ether	59	2.365	2.364	0.001	93	56761	5.00	4.88	
20 Acrolein	56	2.547	2.547	0.000	77	28760	25.0	26.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.584	2.565	0.019	53	54094	5.00	5.04	
22 1,1-Dichloroethene	96	2.578	2.571	0.007	95	47849	5.00	4.53	
23 Acetone	43	2.705	2.699	0.006	97	134173	25.0	26.4	
25 Iodomethane	142	2.736	2.736	0.000	95	88677	5.00	4.65	
26 Carbon disulfide	76	2.772	2.766	0.006	98	154462	5.00	4.88	
28 3-Chloro-1-propene	41	2.949	2.948	0.001	88	98861	5.00	4.97	
27 Methyl acetate	43	3.003	2.997	0.006	96	133894	10.0	11.2	
30 Methylene Chloride	84	3.101	3.095	0.007	94	69853	5.00	4.97	
31 2-Methyl-2-propanol	59	3.277	3.271	0.006	91	79295	50.0	55.9	
32 Methyl tert-butyl ether	73	3.308	3.307	0.001	92	184937	5.00	5.02	
34 trans-1,2-Dichloroethene	96	3.326	3.320	0.006	90	60070	5.00	4.70	
33 Acrylonitrile	53	3.387	3.387	0.001	99	332679	50.0	51.9	
35 Hexane	57	3.514	3.514	0.000	91	106107	5.00	5.34	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.739	0.007	82	108850	5.00	4.85	
37 Vinyl acetate	43	3.800	3.800	0.000	97	322417	10.0	10.0	
44 2,2-Dichloropropane	77	4.263	4.256	0.007	86	64490	5.00	4.72	
45 cis-1,2-Dichloroethene	96	4.305	4.299	0.006	54	66691	5.00	4.91	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	93	204554	25.0	27.5	
48 Chlorobromomethane	128	4.537	4.536	0.000	91	32570	5.00	4.97	
49 Tetrahydrofuran	42	4.549	4.548	0.001	94	62200	10.0	11.6	
50 Chloroform	83	4.610	4.609	0.001	68	115840	5.00	5.13	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	85	90233	5.00	5.09	
52 Cyclohexane	56	4.719	4.725	-0.006	89	114085	5.00	4.77	
55 Carbon tetrachloride	117	4.859	4.853	0.006	87	70122	5.00	4.74	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	88	82313	5.00	4.97	
57 Benzene	78	5.072	5.078	-0.006	82	256915	5.00	5.31	
53 Isobutyl alcohol	43	5.108	5.102	0.006	86	84079	125.0	128.9	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	71	94109	5.00	5.05	
59 n-Heptane	43	5.254	5.254	0.000	93	116507	5.00	5.27	
62 Trichloroethene	95	5.686	5.686	0.000	95	61608	5.00	4.91	
64 Methylcyclohexane	83	5.796	5.796	0.000	91	105003	5.00	5.02	
65 1,2-Dichloropropane	63	5.930	5.929	0.001	88	67094	5.00	5.34	
67 Dibromomethane	93	6.063	6.063	0.000	90	37400	5.00	4.79	
66 1,4-Dioxane	88	6.076	6.069	0.007	21	11087	100.0	99.7	
68 Dichlorobromomethane	83	6.222	6.221	0.001	89	73831	5.00	4.86	
69 2-Chloroethyl vinyl ether	63	6.501	6.501	0.000	89	45544	5.00	5.05	
72 cis-1,3-Dichloropropene	75	6.635	6.635	0.000	80	92729	5.00	5.08	
73 4-Methyl-2-pentanone (MIBK)	43	6.781	6.781	0.000	97	437058	25.0	26.2	
74 Toluene	92	6.921	6.921	0.000	85	159475	5.00	5.23	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	95	86099	5.00	5.03	
75 Ethyl methacrylate	69	7.256	7.250	0.006	70	79057	5.00	5.22	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	81	46830	5.00	5.16	
81 Tetrachloroethene	166	7.451	7.444	0.007	77	66367	5.00	5.33	
82 1,3-Dichloropropane	76	7.560	7.554	0.006	92	101417	5.00	5.28	
80 2-Hexanone	43	7.627	7.621	0.006	95	301925	25.0	25.5	
83 Chlorodibromomethane	129	7.791	7.791	0.000	80	49762	5.00	4.58	
84 Ethylene Dibromide	107	7.889	7.888	0.001	95	61283	5.00	5.18	
87 Chlorobenzene	112	8.363	8.363	0.000	93	177093	5.00	5.36	
88 Ethylbenzene	91	8.460	8.454	0.006	98	298101	5.00	5.13	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.460	0.006	42	55232	5.00	4.77	
90 m-Xylene & p-Xylene	106	8.582	8.576	0.006	97	119385	5.00	5.48	
91 o-Xylene	106	9.002	9.002	0.000	98	110430	5.00	5.06	
92 Styrene	104	9.038	9.038	0.000	90	172009	5.00	4.98	
95 Bromoform	173	9.282	9.288	-0.006	82	29195	5.00	4.40	
94 Isopropylbenzene	105	9.391	9.391	0.000	95	291919	5.00	5.21	
101 Bromobenzene	156	9.738	9.738	0.000	93	81538	5.00	5.56	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.799	0.006	82	86301	5.00	5.46	
99 N-Propylbenzene	91	9.823	9.817	0.006	97	351831	5.00	5.12	
100 1,2,3-Trichloropropane	110	9.829	9.835	-0.006	50	27943	5.00	5.25	
98 trans-1,4-Dichloro-2-butene	53	9.854	9.847	0.007	69	19550	5.00	4.73	
103 2-Chlorotoluene	126	9.920	9.920	0.000	96	71366	5.00	5.14	
102 1,3,5-Trimethylbenzene	105	10.000	9.999	0.001	87	237304	5.00	4.86	
105 4-Chlorotoluene	126	10.036	10.036	0.000	87	75683	5.00	5.36	
106 tert-Butylbenzene	134	10.316	10.316	0.000	90	54337	5.00	4.79	
107 1,2,4-Trimethylbenzene	105	10.371	10.370	0.001	32	254667	5.00	5.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	92	327290	5.00	5.15	
111 1,3-Dichlorobenzene	146	10.663	10.662	0.001	81	146407	5.00	5.07	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	94	282125	5.00	5.12	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	92	149121	5.00	5.05	
115 n-Butylbenzene	91	11.058	11.058	0.000	94	257506	5.00	5.02	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	90	134241	5.00	4.73	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.837	0.006	61	13669	5.00	4.52	
119 1,2,4-Trichlorobenzene	180	12.512	12.506	0.006	88	106574	5.00	4.98	
120 Hexachlorobutadiene	225	12.622	12.621	0.001	88	48271	5.00	5.36	
121 Naphthalene	128	12.725	12.725	0.000	97	265220	5.00	4.71	
122 1,2,3-Trichlorobenzene	180	12.920	12.926	-0.006	94	100879	5.00	5.00	
S 125 1,2-Dichloroethene, Total	1				0			9.61	
S 123 Total BTEX	1				0			26.2	
S 126 1,3-Dichloropropene, Total	1				0			10.1	
S 124 Xylenes, Total	1				0			10.5	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00427	Amount Added:	5.00	Units: uL	
8260 CORP mix_00198	Amount Added:	5.00	Units: uL	
S_8260_IS_00342	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00377	Amount Added:	1.00	Units: uL	Run Reagent

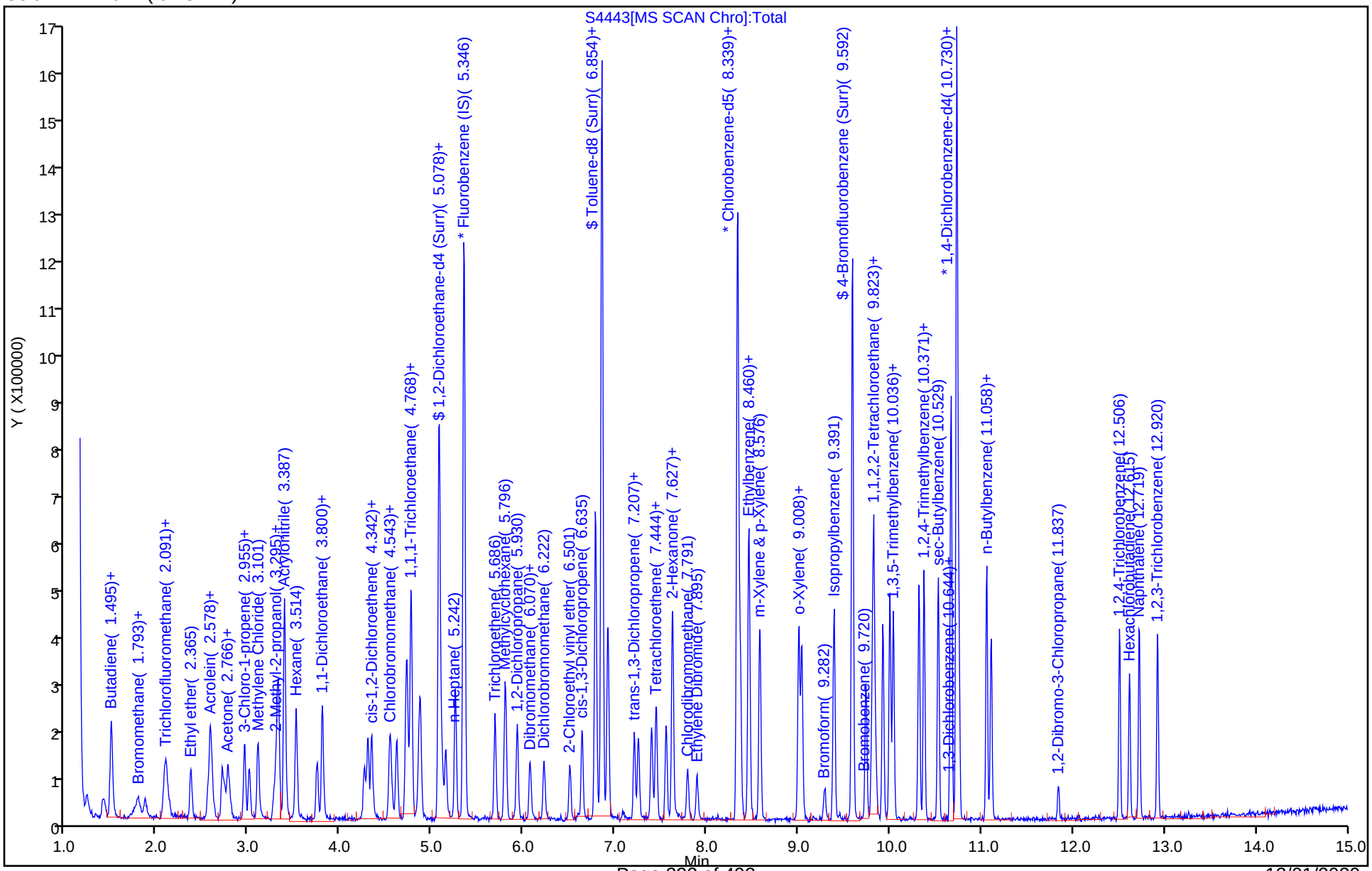
Report Date: 20-Nov-2020 11:12:37 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4443.D

Injection Date:	19-Nov-2020 16:18:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4444.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Nov-2020 16:41:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0095091-012
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Nov-2020 11:12:43 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: farrellr Date: 19-Nov-2020 20:51:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.352	-0.006	98	174905	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.333	8.333	0.000	88	380618	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.729	10.730	-0.001	72	371686	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.768	4.767	0.001	53	228274	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	76	145512	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	91	932250	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	90	284170	25.0	24.5	
10 Dichlorodifluoromethane	85	1.227	1.227	0.000	86	120808	10.0	10.6	
12 Chloromethane	50	1.403	1.409	-0.006	87	160968	10.0	10.2	
151 Butadiene	54	1.495	1.495	0.000	68	158759	10.0	10.3	
13 Vinyl chloride	62	1.495	1.495	0.000	45	142854	10.0	10.5	
14 Bromomethane	94	1.781	1.780	0.001	87	87424	10.0	10.8	
15 Chloroethane	64	1.860	1.860	0.000	93	89019	10.0	10.8	
16 Dichlorofluoromethane	67	2.091	2.085	0.006	95	179703	10.0	10.2	
17 Trichlorofluoromethane	101	2.085	2.085	0.000	66	163658	10.0	10.3	
18 Ethyl ether	59	2.358	2.364	-0.006	93	101487	10.0	9.38	
20 Acrolein	56	2.553	2.547	0.006	52	34123	50.0	33.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.565	2.565	0.000	65	100236	10.0	10.0	
22 1,1-Dichloroethene	96	2.577	2.571	0.006	87	99948	10.0	10.2	
23 Acetone	43	2.711	2.699	0.012	92	175362	50.0	37.0	
25 Iodomethane	142	2.736	2.736	0.000	99	173630	10.0	9.77	
26 Carbon disulfide	76	2.766	2.766	0.000	98	301298	10.0	10.2	
28 3-Chloro-1-propene	41	2.949	2.948	0.001	87	184825	10.0	9.97	
27 Methyl acetate	43	3.003	2.997	0.006	97	186949	20.0	16.8	
30 Methylene Chloride	84	3.095	3.095	0.001	93	125275	10.0	10.3	
31 2-Methyl-2-propanol	59	3.271	3.271	0.000	73	99917	100.0	75.6	
32 Methyl tert-butyl ether	73	3.308	3.307	0.001	93	324290	10.0	9.46	
34 trans-1,2-Dichloroethene	96	3.326	3.320	0.006	94	118601	10.0	9.96	
33 Acrylonitrile	53	3.387	3.387	0.001	96	528688	100.0	88.5	M
35 Hexane	57	3.514	3.514	0.000	86	186035	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.739	0.007	96	211225	10.0	10.1	
37 Vinyl acetate	43	3.800	3.800	0.000	97	556202	20.0	18.5	
44 2,2-Dichloropropane	77	4.263	4.256	0.007	87	131451	10.0	10.3	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	55	131136	10.0	10.4	
43 2-Butanone (MEK)	43	4.342	4.336	0.006	93	319554	50.0	46.2	
48 Chlorobromomethane	128	4.536	4.536	0.000	91	62726	10.0	10.3	
49 Tetrahydrofuran	42	4.549	4.548	0.001	92	81792	20.0	16.4	
50 Chloroform	83	4.609	4.609	0.000	71	202698	10.0	9.63	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	80	170536	10.0	10.3	
52 Cyclohexane	56	4.719	4.725	-0.006	91	224985	10.0	10.1	
55 Carbon tetrachloride	117	4.859	4.853	0.006	89	139003	10.0	10.1	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	91	157681	10.0	10.2	
57 Benzene	78	5.078	5.078	0.000	94	463739	10.0	10.3	
53 Isobutyl alcohol	43	5.108	5.102	0.006	94	123381	250.0	203.1	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	78	163559	10.0	9.43	
59 n-Heptane	43	5.254	5.254	0.000	97	225234	10.0	10.9	
62 Trichloroethene	95	5.686	5.686	0.000	96	117197	10.0	10.0	
64 Methylcyclohexane	83	5.802	5.796	0.006	94	202601	10.0	10.4	
65 1,2-Dichloropropane	63	5.930	5.929	0.001	89	117722	10.0	10.1	
67 Dibromomethane	93	6.069	6.063	0.006	91	70352	10.0	9.68	
66 1,4-Dioxane	88	6.076	6.069	0.007	11	16380	200.0	151.4	M
68 Dichlorobromomethane	83	6.222	6.221	0.001	91	144331	10.0	10.2	
69 2-Chloroethyl vinyl ether	63	6.501	6.501	0.000	92	80469	10.0	9.58	
72 cis-1,3-Dichloropropene	75	6.635	6.635	0.000	85	171323	10.0	10.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.781	6.781	0.000	97	750517	50.0	46.3	
74 Toluene	92	6.921	6.921	0.000	84	289784	10.0	9.77	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	92	161884	10.0	9.72	
75 Ethyl methacrylate	69	7.256	7.250	0.006	85	143505	10.0	9.73	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	85	87629	10.0	9.92	
81 Tetrachloroethene	166	7.450	7.444	0.006	85	121575	10.0	10.0	
82 1,3-Dichloropropane	76	7.554	7.554	0.000	95	184805	10.0	9.90	
80 2-Hexanone	43	7.621	7.621	0.000	95	567520	50.0	49.3	
83 Chlorodibromomethane	129	7.791	7.791	0.000	81	103546	10.0	9.79	
84 Ethylene Dibromide	107	7.895	7.888	0.007	99	104497	10.0	9.09	
87 Chlorobenzene	112	8.363	8.363	0.000	93	321032	10.0	9.99	
88 Ethylbenzene	91	8.454	8.454	0.000	98	571631	10.0	10.1	
89 1,1,1,2-Tetrachloroethane	131	8.460	8.460	0.000	37	107290	10.0	9.52	
90 m-Xylene & p-Xylene	106	8.576	8.576	0.000	97	223141	10.0	10.5	
91 o-Xylene	106	9.002	9.002	0.000	98	214597	10.0	10.1	
92 Styrene	104	9.038	9.038	0.000	92	333852	10.0	9.93	
95 Bromoform	173	9.288	9.288	0.000	91	58420	10.0	9.05	
94 Isopropylbenzene	105	9.391	9.391	0.000	95	561137	10.0	10.1	
101 Bromobenzene	156	9.738	9.738	0.000	93	140702	10.0	9.70	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.799	0.006	66	153042	10.0	9.78	
99 N-Propylbenzene	91	9.817	9.817	0.000	99	691714	10.0	10.2	
100 1,2,3-Trichloropropane	110	9.829	9.835	-0.006	52	50472	10.0	9.58	
98 trans-1,4-Dichloro-2-butene	53	9.847	9.847	0.000	76	33042	10.0	8.08	
103 2-Chlorotoluene	126	9.926	9.920	0.006	96	137431	10.0	10.0	
102 1,3,5-Trimethylbenzene	105	9.999	9.999	0.000	93	478386	10.0	9.91	
105 4-Chlorotoluene	126	10.036	10.036	0.000	97	140143	10.0	10.0	
106 tert-Butylbenzene	134	10.316	10.316	0.000	92	110233	10.0	9.82	
107 1,2,4-Trimethylbenzene	105	10.371	10.370	0.001	31	479000	10.0	9.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	93	628420	10.0	9.99	
111 1,3-Dichlorobenzene	146	10.663	10.662	0.001	80	287786	10.0	10.1	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	96	541313	10.0	9.93	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	92	279934	10.0	9.59	
115 n-Butylbenzene	91	11.058	11.058	0.000	98	494671	10.0	9.75	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	90	284579	10.0	10.1	
117 1,2-Dibromo-3-Chloropropane	75	11.837	11.837	0.000	66	28452	10.0	9.51	
119 1,2,4-Trichlorobenzene	180	12.506	12.506	0.000	93	215352	10.0	10.2	
120 Hexachlorobutadiene	225	12.615	12.621	-0.006	92	86712	10.0	9.74	
121 Naphthalene	128	12.725	12.725	0.000	97	540758	10.0	9.70	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	95	202031	10.0	10.1	
S 125 1,2-Dichloroethene, Total	1				0			20.3	
S 123 Total BTEX	1				0			50.8	
S 126 1,3-Dichloropropene, Total	1				0			19.8	
S 124 Xylenes, Total	1				0			20.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00427	Amount Added:	5.00	Units: uL	
8260 CORP mix_00198	Amount Added:	5.00	Units: uL	
S_8260_IS_00342	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00377	Amount Added:	1.00	Units: uL	Run Reagent

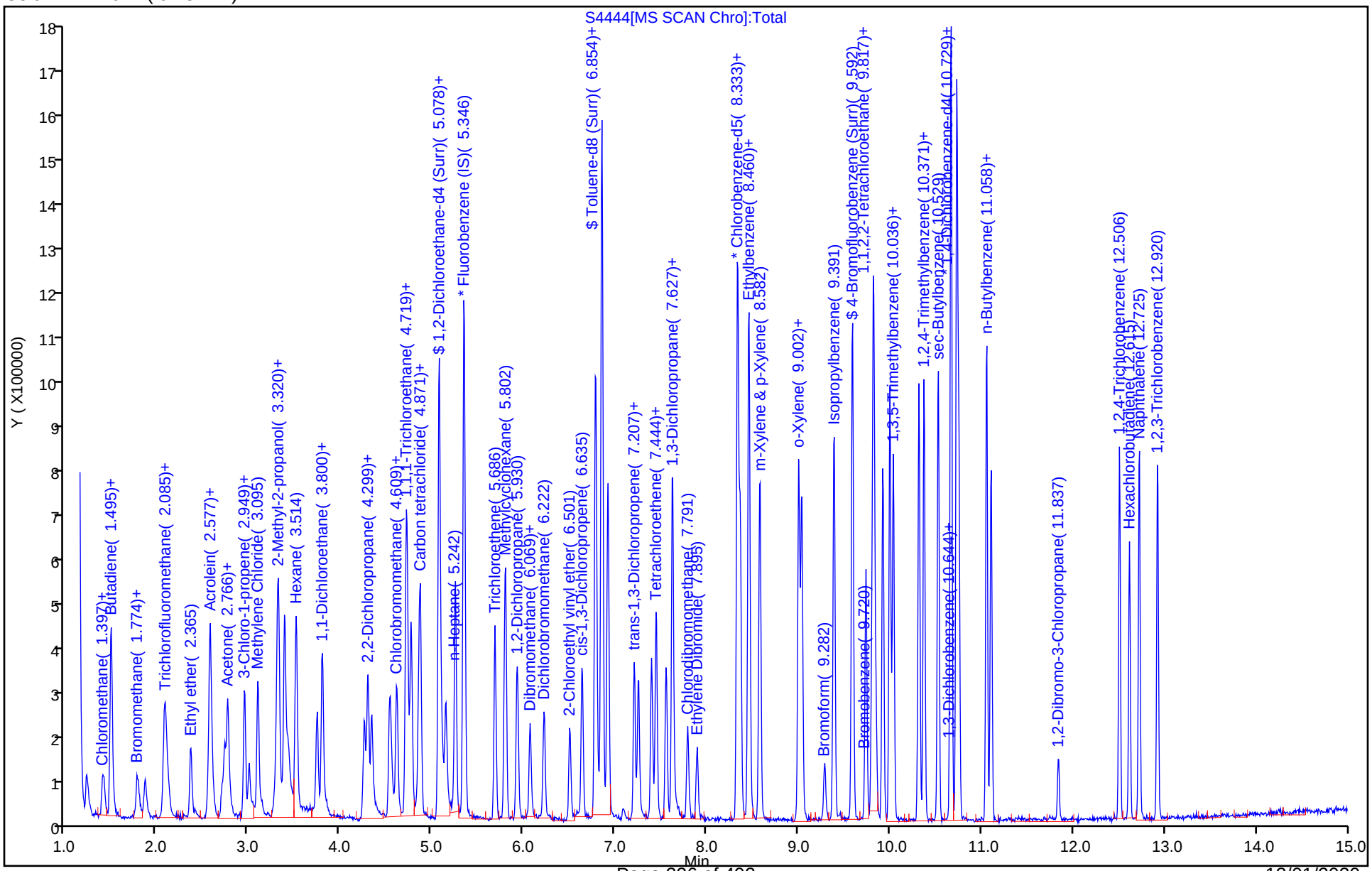
Report Date: 20-Nov-2020 11:12:45 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4444.D

Injection Date:	19-Nov-2020 16:41:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

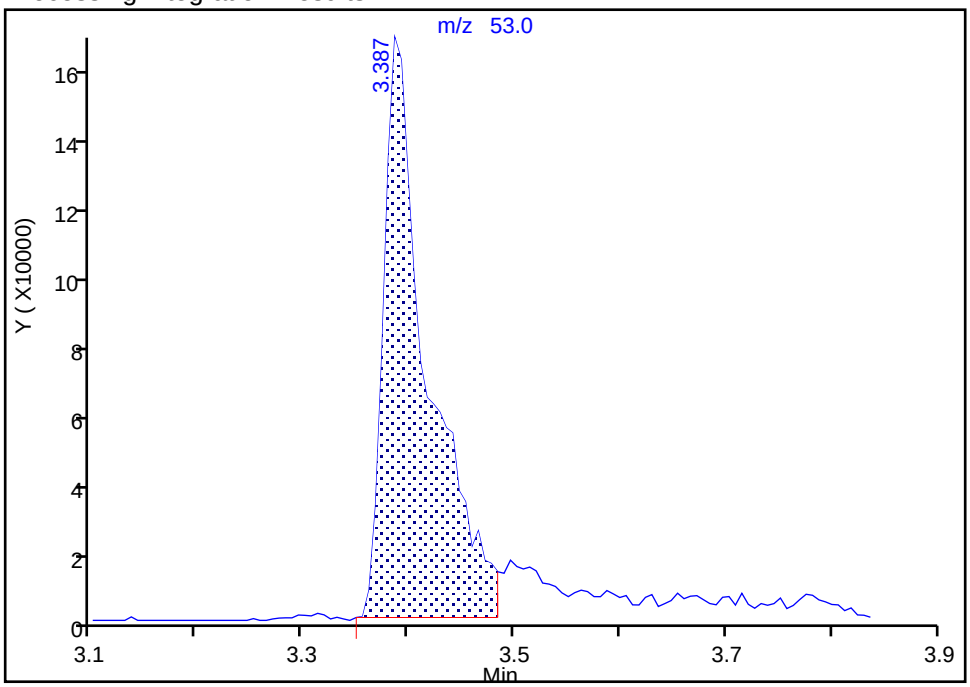
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Injection Date: 19-Nov-2020 16:41:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

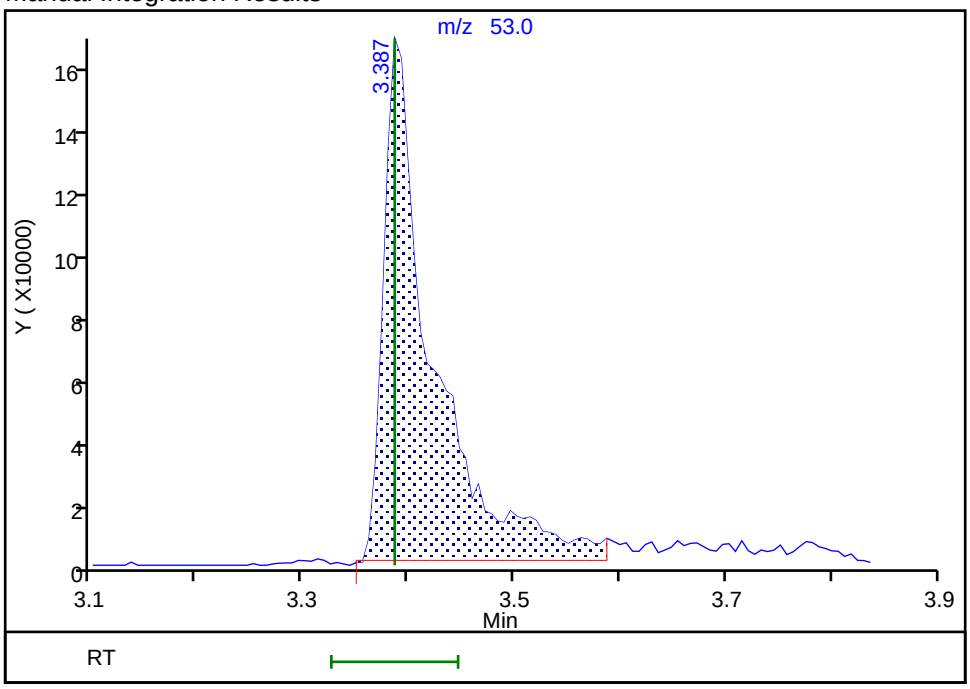
Processing Integration Results

RT: 3.39
Area: 478092
Amount: 80.893013
Amount Units: ug/L



Manual Integration Results

RT: 3.39
Area: 528688
Amount: 88.506726
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:49:56
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

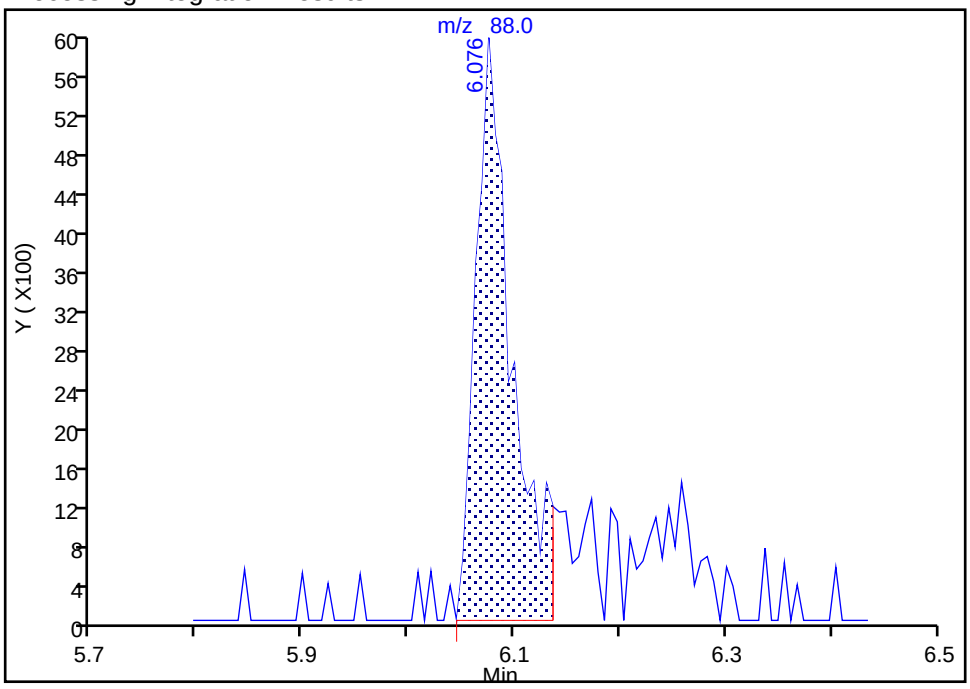
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Injection Date: 19-Nov-2020 16:41:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

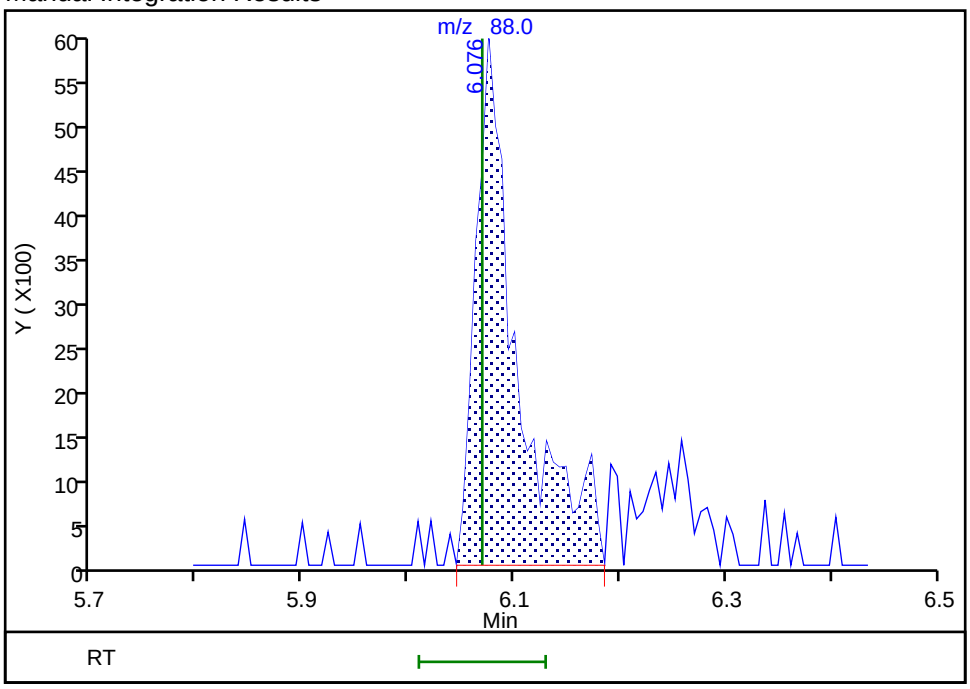
Processing Integration Results

RT: 6.08
Area: 14123
Amount: 135.3088
Amount Units: ug/L



Manual Integration Results

RT: 6.08
Area: 16380
Amount: 151.4075
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:50:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4445.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 19-Nov-2020 17:04:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0095091-013
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Nov-2020 11:12:51 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: farrellr Date: 19-Nov-2020 20:24:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.352	5.352	0.000	99	180021	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.332	8.332	0.000	85	384081	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.729	10.729	0.000	95	367408	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.767	4.767	0.000	54	239068	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	55	147605	25.0	24.0	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	86	920633	25.0	24.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	288714	25.0	24.7	
10 Dichlorodifluoromethane	85	1.227	1.227	0.000	97	313792	25.0	26.7	
12 Chloromethane	50	1.409	1.409	0.000	99	390524	25.0	24.1	
151 Butadiene	54	1.495	1.495	0.000	64	387590	25.0	24.5	
13 Vinyl chloride	62	1.495	1.495	0.000	45	347499	25.0	24.8	
14 Bromomethane	94	1.780	1.780	0.000	89	213447	25.0	25.6	
15 Chloroethane	64	1.860	1.860	0.000	99	201137	25.0	23.7	
16 Dichlorofluoromethane	67	2.085	2.085	0.000	80	448882	25.0	24.7	
17 Trichlorofluoromethane	101	2.085	2.085	0.000	61	409428	25.0	25.1	
18 Ethyl ether	59	2.364	2.364	0.000	97	261966	25.0	23.5	
20 Acrolein	56	2.547	2.547	0.000	91	113062	125.0	107.0	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.565	2.565	0.000	69	264168	25.0	25.7	
22 1,1-Dichloroethene	96	2.571	2.571	0.000	97	244519	25.0	24.2	
23 Acetone	43	2.699	2.699	0.000	99	562446	125.0	115.3	
25 Iodomethane	142	2.736	2.736	0.000	99	432578	25.0	23.7	
26 Carbon disulfide	76	2.766	2.766	0.000	100	806070	25.0	26.6	
28 3-Chloro-1-propene	41	2.948	2.948	0.000	88	518094	25.0	27.2	
27 Methyl acetate	43	2.997	2.997	0.000	96	608974	50.0	53.0	
30 Methylene Chloride	84	3.095	3.095	0.000	95	304278	25.0	25.4	
31 2-Methyl-2-propanol	59	3.271	3.271	0.000	94	290503	250.0	213.6	
32 Methyl tert-butyl ether	73	3.307	3.307	0.000	93	885467	25.0	25.1	
34 trans-1,2-Dichloroethene	96	3.320	3.320	0.000	92	309602	25.0	25.3	
33 Acrylonitrile	53	3.387	3.387	0.000	100	1594875	250.0	259.4	M
35 Hexane	57	3.514	3.514	0.000	90	491444	25.0	25.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.739	3.739	0.000	97	542745	25.0	25.2	
37 Vinyl acetate	43	3.800	3.800	0.000	97	1575950	50.0	51.0	
44 2,2-Dichloropropane	77	4.256	4.256	0.000	93	340984	25.0	26.0	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	67	328691	25.0	25.2	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	93	920919	125.0	129.2	
48 Chlorobromomethane	128	4.536	4.536	0.000	95	160713	25.0	25.6	
49 Tetrahydrofuran	42	4.548	4.548	0.000	92	248511	50.0	48.3	
50 Chloroform	83	4.609	4.609	0.000	72	521934	25.0	24.1	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	81	457153	25.0	26.9	
52 Cyclohexane	56	4.725	4.725	0.000	93	584840	25.0	25.5	
55 Carbon tetrachloride	117	4.853	4.853	0.000	90	376841	25.0	26.6	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	92	402889	25.0	25.4	
57 Benzene	78	5.078	5.078	0.000	96	1163849	25.0	25.1	
53 Isobutyl alcohol	43	5.102	5.102	0.000	90	351270	625.0	561.7	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	71	434559	25.0	24.3	
59 n-Heptane	43	5.254	5.254	0.000	96	554201	25.0	26.2	
62 Trichloroethene	95	5.686	5.686	0.000	95	307311	25.0	25.6	
64 Methylcyclohexane	83	5.796	5.796	0.000	95	538696	25.0	26.9	
65 1,2-Dichloropropane	63	5.929	5.929	0.000	91	299476	25.0	24.8	
67 Dibromomethane	93	6.063	6.063	0.000	88	189355	25.0	25.3	
66 1,4-Dioxane	88	6.069	6.069	0.000	30	55256	500.0	506.2	
68 Dichlorobromomethane	83	6.221	6.221	0.000	96	368012	25.0	25.3	
69 2-Chloroethyl vinyl ether	63	6.501	6.501	0.000	89	208397	25.0	24.1	
72 cis-1,3-Dichloropropene	75	6.635	6.635	0.000	87	454825	25.0	26.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.781	6.781	0.000	98	2136277	125.0	130.6	
74 Toluene	92	6.921	6.921	0.000	95	738998	25.0	24.7	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	92	428745	25.0	25.5	
75 Ethyl methacrylate	69	7.250	7.250	0.000	88	373067	25.0	25.1	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	87	235138	25.0	26.4	
81 Tetrachloroethene	166	7.444	7.444	0.000	81	305921	25.0	25.0	
82 1,3-Dichloropropane	76	7.554	7.554	0.000	97	451276	25.0	24.0	
80 2-Hexanone	43	7.621	7.621	0.000	96	1456824	125.0	125.5	
83 Chlorodibromomethane	129	7.791	7.791	0.000	88	268276	25.0	25.1	
84 Ethylene Dibromide	107	7.888	7.888	0.000	95	270337	25.0	23.3	
87 Chlorobenzene	112	8.363	8.363	0.000	92	819525	25.0	25.3	
88 Ethylbenzene	91	8.454	8.454	0.000	99	1463319	25.0	25.7	
89 1,1,1,2-Tetrachloroethane	131	8.460	8.460	0.000	39	293218	25.0	25.8	
90 m-Xylene & p-Xylene	106	8.576	8.576	0.000	98	560866	25.0	26.2	
91 o-Xylene	106	9.002	9.002	0.000	97	555017	25.0	25.9	
92 Styrene	104	9.038	9.038	0.000	90	898921	25.0	26.5	
95 Bromoform	173	9.288	9.288	0.000	95	174061	25.0	26.7	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1443933	25.0	26.3	
101 Bromobenzene	156	9.738	9.738	0.000	95	348132	25.0	24.3	
97 1,1,2,2-Tetrachloroethane	83	9.799	9.799	0.000	96	387410	25.0	25.1	
99 N-Propylbenzene	91	9.817	9.817	0.000	98	1767015	25.0	26.3	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	71	130480	25.0	25.0	
98 trans-1,4-Dichloro-2-butene	53	9.847	9.847	0.000	74	114407	25.0	28.3	
103 2-Chlorotoluene	126	9.920	9.920	0.000	96	345562	25.0	25.5	
102 1,3,5-Trimethylbenzene	105	9.999	9.999	0.000	95	1224334	25.0	25.7	
105 4-Chlorotoluene	126	10.036	10.036	0.000	97	356616	25.0	25.8	
106 tert-Butylbenzene	134	10.316	10.316	0.000	90	273478	25.0	24.6	
107 1,2,4-Trimethylbenzene	105	10.370	10.370	0.000	30	1227123	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	1591062	25.0	25.6	
111 1,3-Dichlorobenzene	146	10.662	10.662	0.000	81	698127	25.0	24.7	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	96	1369234	25.0	25.4	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	705767	25.0	24.5	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	1303596	25.0	26.0	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	92	699761	25.0	25.2	
117 1,2-Dibromo-3-Chloropropane	75	11.837	11.837	0.000	74	79531	25.0	26.9	
119 1,2,4-Trichlorobenzene	180	12.506	12.506	0.000	93	530820	25.0	25.4	
120 Hexachlorobutadiene	225	12.621	12.621	0.000	92	239936	25.0	27.3	
121 Naphthalene	128	12.725	12.725	0.000	97	1468746	25.0	26.6	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	94	518579	25.0	26.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00427	Amount Added:	12.50	Units: uL	
8260 CORP mix_00198	Amount Added:	12.50	Units: uL	
S_8260_IS_00342	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00377	Amount Added:	1.00	Units: uL	Run Reagent

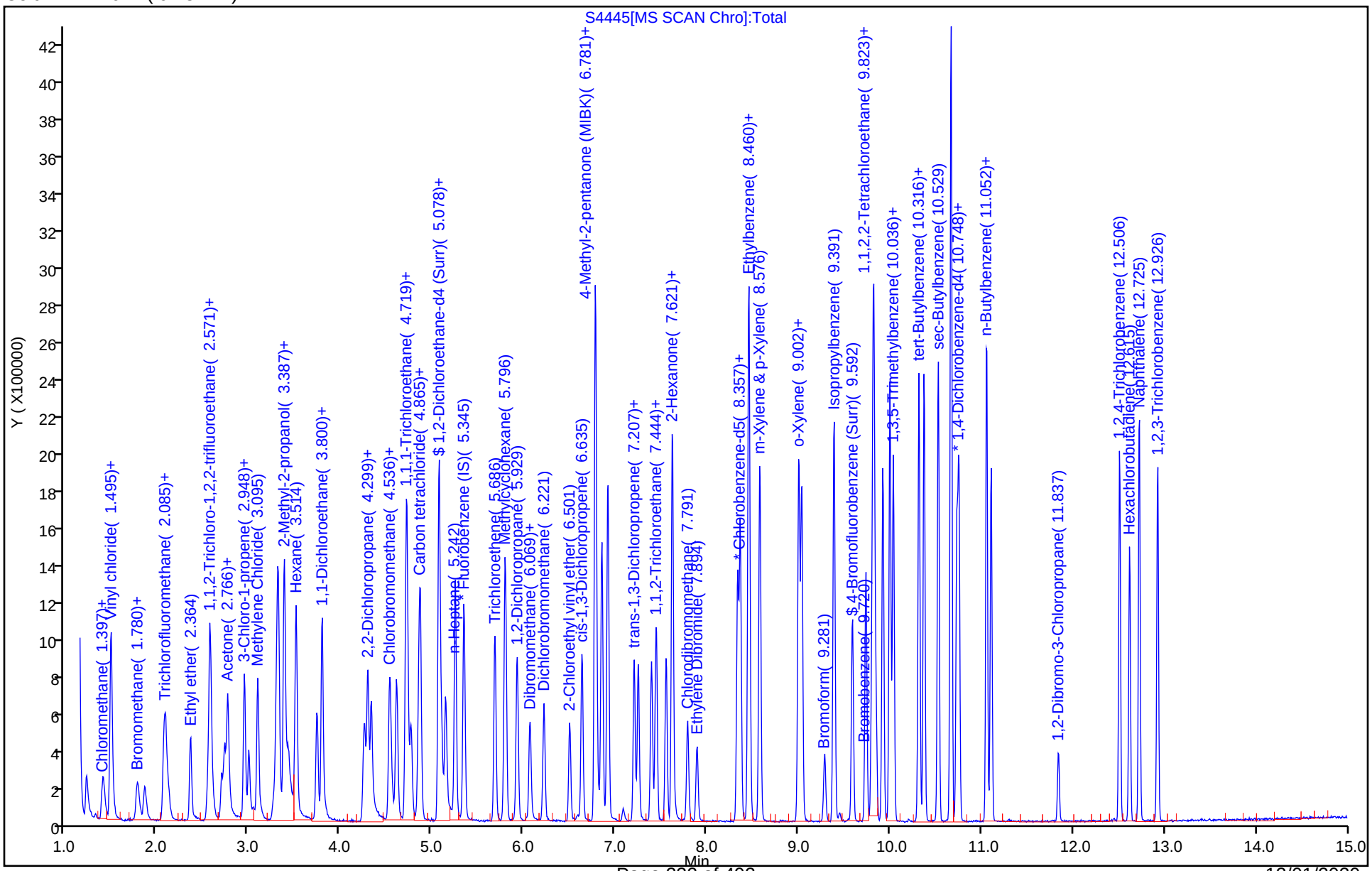
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Eurofins TestAmerica, Buffalo

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Injection Date:	19-Nov-2020 17:04:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

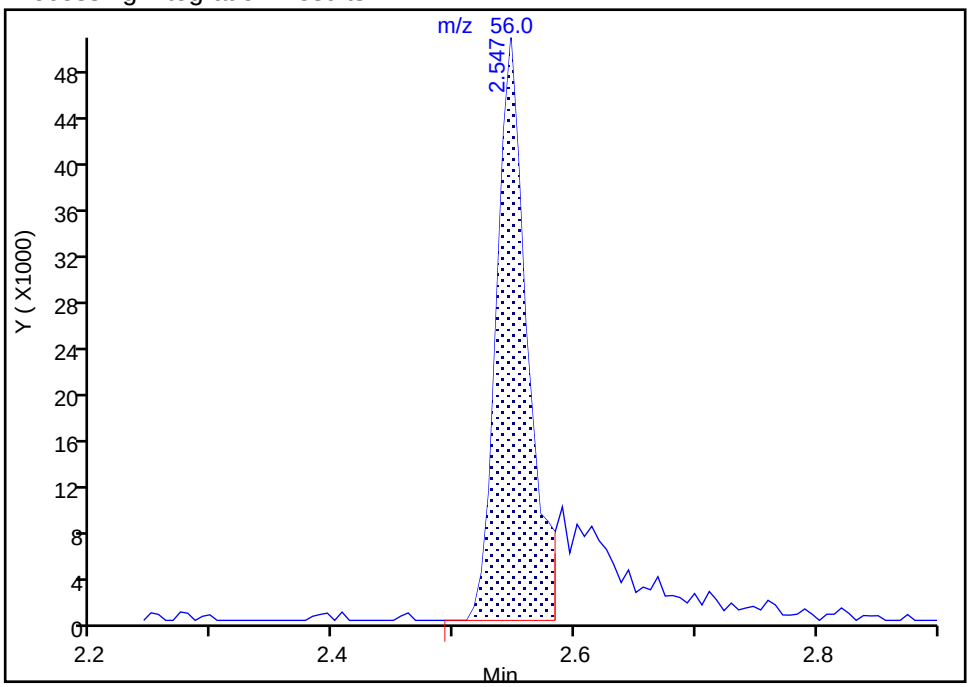
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Injection Date: 19-Nov-2020 17:04:30 Instrument ID: HP5973S
Lims ID: ICIS 5
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

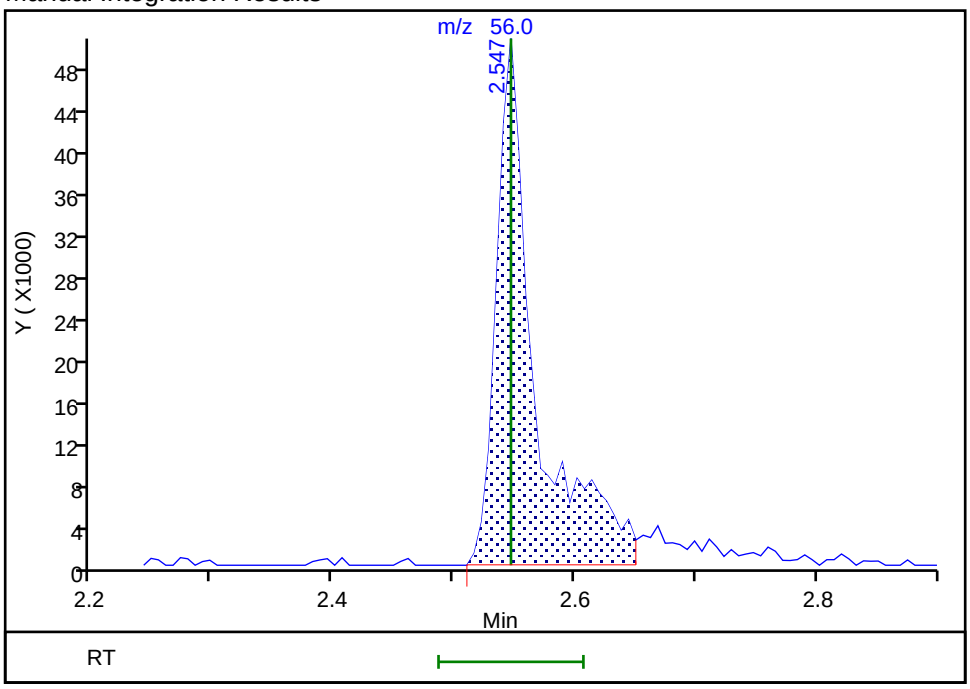
Processing Integration Results

RT: 2.55
Area: 88953
Amount: 86.158289
Amount Units: ug/L



Manual Integration Results

RT: 2.55
Area: 113062
Amount: 107.0110
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:55:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

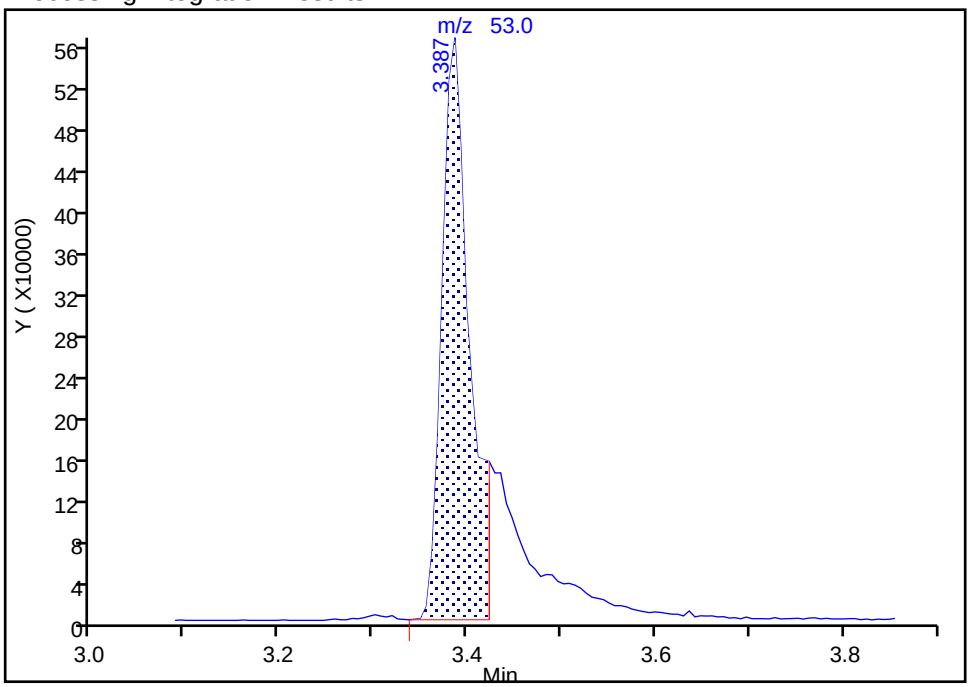
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Injection Date: 19-Nov-2020 17:04:30 Instrument ID: HP5973S
Lims ID: ICIS 5
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

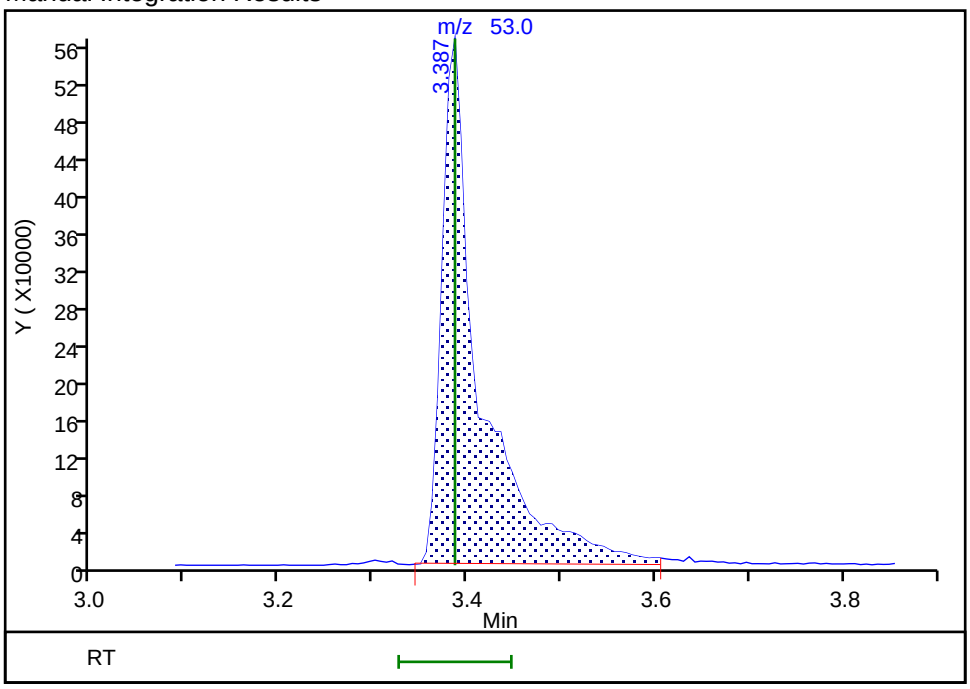
Processing Integration Results

RT: 3.39
Area: 1156309
Amount: 203.8057
Amount Units: ug/L



Manual Integration Results

RT: 3.39
Area: 1594875
Amount: 259.4075
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:29:29
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4446.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-Nov-2020 17:27:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0095091-014
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Nov-2020 11:12:59 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: farrellr Date: 19-Nov-2020 20:52:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.352	-0.006	99	178179	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.332	0.007	84	403405	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.730	10.729	0.001	39	370332	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.768	4.767	0.001	56	239470	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	45	152567	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	81	970913	25.0	24.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	88	292228	25.0	23.8	
10 Dichlorodifluoromethane	85	1.227	1.227	0.000	97	632503	50.0	54.3	
12 Chloromethane	50	1.409	1.409	0.000	100	823805	50.0	51.3	
151 Butadiene	54	1.495	1.495	0.000	63	809364	50.0	51.7	
13 Vinyl chloride	62	1.495	1.495	0.000	48	694118	50.0	50.1	
14 Bromomethane	94	1.781	1.780	0.001	92	383742	50.0	46.5	
15 Chloroethane	64	1.866	1.860	0.006	94	414111	50.0	49.3	
16 Dichlorofluoromethane	67	2.085	2.085	0.000	80	895924	50.0	49.8	
17 Trichlorofluoromethane	101	2.085	2.085	0.000	65	855197	50.0	53.1	
18 Ethyl ether	59	2.365	2.364	0.001	94	607173	50.0	55.1	
20 Acrolein	56	2.547	2.547	0.000	95	287348	250.0	274.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.578	2.565	0.013	67	525643	50.0	51.6	
22 1,1-Dichloroethene	96	2.571	2.571	0.000	87	522685	50.0	52.2	
23 Acetone	43	2.705	2.699	0.006	99	1286164	250.0	266.4	
25 Iodomethane	142	2.736	2.736	0.000	100	875913	50.0	48.4	
26 Carbon disulfide	76	2.766	2.766	0.000	98	1612522	50.0	53.7	
28 3-Chloro-1-propene	41	2.949	2.948	0.001	88	1064481	50.0	56.4	
27 Methyl acetate	43	2.997	2.997	0.000	97	1263246	100.0	111.1	
30 Methylene Chloride	84	3.095	3.095	0.001	94	592759	50.0	50.7	
31 2-Methyl-2-propanol	59	3.271	3.271	0.000	96	800925	500.0	594.9	
32 Methyl tert-butyl ether	73	3.301	3.307	-0.006	93	1794829	50.0	51.4	
34 trans-1,2-Dichloroethene	96	3.320	3.320	0.000	95	588490	50.0	48.5	
33 Acrylonitrile	53	3.387	3.387	0.001	99	3286727	500.0	540.1	
35 Hexane	57	3.514	3.514	0.000	94	1025867	50.0	54.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.739	3.739	0.000	97	1088522	50.0	51.1	
37 Vinyl acetate	43	3.800	3.800	0.000	97	3652728	100.0	119.5	
44 2,2-Dichloropropane	77	4.257	4.256	0.001	94	628803	50.0	48.5	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	78	650870	50.0	50.5	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	93	2064137	250.0	292.7	
48 Chlorobromomethane	128	4.536	4.536	0.000	98	333949	50.0	53.7	
49 Tetrahydrofuran	42	4.549	4.548	0.001	89	555576	100.0	109.2	
50 Chloroform	83	4.609	4.609	0.000	84	1032119	50.0	48.2	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	88	901846	50.0	53.6	
52 Cyclohexane	56	4.725	4.725	0.000	94	1190193	50.0	52.4	
55 Carbon tetrachloride	117	4.853	4.853	0.000	92	771131	50.0	55.0	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	91	821359	50.0	52.3	
57 Benzene	78	5.072	5.078	-0.006	97	2400147	50.0	52.3	
53 Isobutyl alcohol	43	5.102	5.102	0.000	96	905462	1250.0	1462.8	
58 1,2-Dichloroethane	62	5.145	5.151	-0.006	72	932069	50.0	52.7	
59 n-Heptane	43	5.254	5.254	0.000	95	1121595	50.0	53.5	
62 Trichloroethene	95	5.686	5.686	0.000	97	623082	50.0	52.4	
64 Methylcyclohexane	83	5.796	5.796	0.000	95	1086959	50.0	54.8	
65 1,2-Dichloropropane	63	5.930	5.929	0.001	90	625277	50.0	52.4	
67 Dibromomethane	93	6.063	6.063	0.000	90	385774	50.0	52.1	
66 1,4-Dioxane	88	6.076	6.069	0.007	42	119776	1000.0	1044.6	M
68 Dichlorobromomethane	83	6.222	6.221	0.001	93	788516	50.0	54.7	
69 2-Chloroethyl vinyl ether	63	6.501	6.501	0.000	93	494767	50.0	57.8	
72 cis-1,3-Dichloropropene	75	6.635	6.635	0.000	86	969638	50.0	56.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.781	6.781	0.000	99	4547943	250.0	264.8	
74 Toluene	92	6.921	6.921	0.000	97	1599162	50.0	50.8	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	97	956286	50.0	54.2	
75 Ethyl methacrylate	69	7.250	7.250	0.000	87	879717	50.0	56.3	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	93	476411	50.0	50.9	
81 Tetrachloroethene	166	7.444	7.444	0.000	85	650962	50.0	50.7	
82 1,3-Dichloropropane	76	7.554	7.554	0.000	95	1009248	50.0	51.0	
80 2-Hexanone	43	7.621	7.621	0.000	82	3193189	250.0	262.0	
83 Chlorodibromomethane	129	7.791	7.791	0.000	91	607824	50.0	54.2	
84 Ethylene Dibromide	107	7.895	7.888	0.007	98	608817	50.0	49.9	
87 Chlorobenzene	112	8.363	8.363	0.000	91	1730791	50.0	50.8	
88 Ethylbenzene	91	8.454	8.454	0.000	99	3056440	50.0	51.1	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.460	0.006	49	603323	50.0	50.5	
90 m-Xylene & p-Xylene	106	8.576	8.576	0.000	99	1181164	50.0	52.5	
91 o-Xylene	106	9.008	9.002	0.006	97	1156608	50.0	51.4	
92 Styrene	104	9.038	9.038	0.000	95	1922683	50.0	54.0	
95 Bromoform	173	9.288	9.288	0.000	95	384451	50.0	56.2	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	3018991	50.0	54.7	
101 Bromobenzene	156	9.738	9.738	0.000	95	747370	50.0	51.7	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.799	0.006	64	804955	50.0	51.7	
99 N-Propylbenzene	91	9.817	9.817	0.000	98	3697732	50.0	54.6	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	69	259188	50.0	49.4	
98 trans-1,4-Dichloro-2-butene	53	9.847	9.847	0.000	80	262574	50.0	64.4	
103 2-Chlorotoluene	126	9.926	9.920	0.006	96	704135	50.0	51.5	
102 1,3,5-Trimethylbenzene	105	9.999	9.999	0.000	92	2583336	50.0	53.7	
105 4-Chlorotoluene	126	10.036	10.036	0.000	98	739093	50.0	53.1	
106 tert-Butylbenzene	134	10.316	10.316	0.000	87	576584	50.0	51.5	
107 1,2,4-Trimethylbenzene	105	10.371	10.370	0.001	77	2601286	50.0	53.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	3331733	50.0	53.2	
111 1,3-Dichlorobenzene	146	10.663	10.662	0.001	79	1452839	50.0	51.1	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	95	2882667	50.0	53.1	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	95	1499692	50.0	51.6	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	2734875	50.0	54.1	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	93	1475947	50.0	52.8	
117 1,2-Dibromo-3-Chloropropane	75	11.837	11.837	0.000	74	164731	50.0	55.2	
119 1,2,4-Trichlorobenzene	180	12.506	12.506	0.000	90	1149163	50.0	54.5	
120 Hexachlorobutadiene	225	12.622	12.621	0.001	95	487118	50.0	54.9	
121 Naphthalene	128	12.725	12.725	0.000	97	3068094	50.0	55.2	
122 1,2,3-Trichlorobenzene	180	12.920	12.926	-0.006	94	1065788	50.0	53.6	
S 125 1,2-Dichloroethene, Total	1				0			99.0	
S 123 Total BTEX	1				0			258.2	
S 126 1,3-Dichloropropene, Total	1				0			110.1	
S 124 Xylenes, Total	1				0			104.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00427	Amount Added:	25.00	Units: uL	
8260 CORP mix_00198	Amount Added:	25.00	Units: uL	
S_8260_IS_00342	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00377	Amount Added:	1.00	Units: uL	Run Reagent

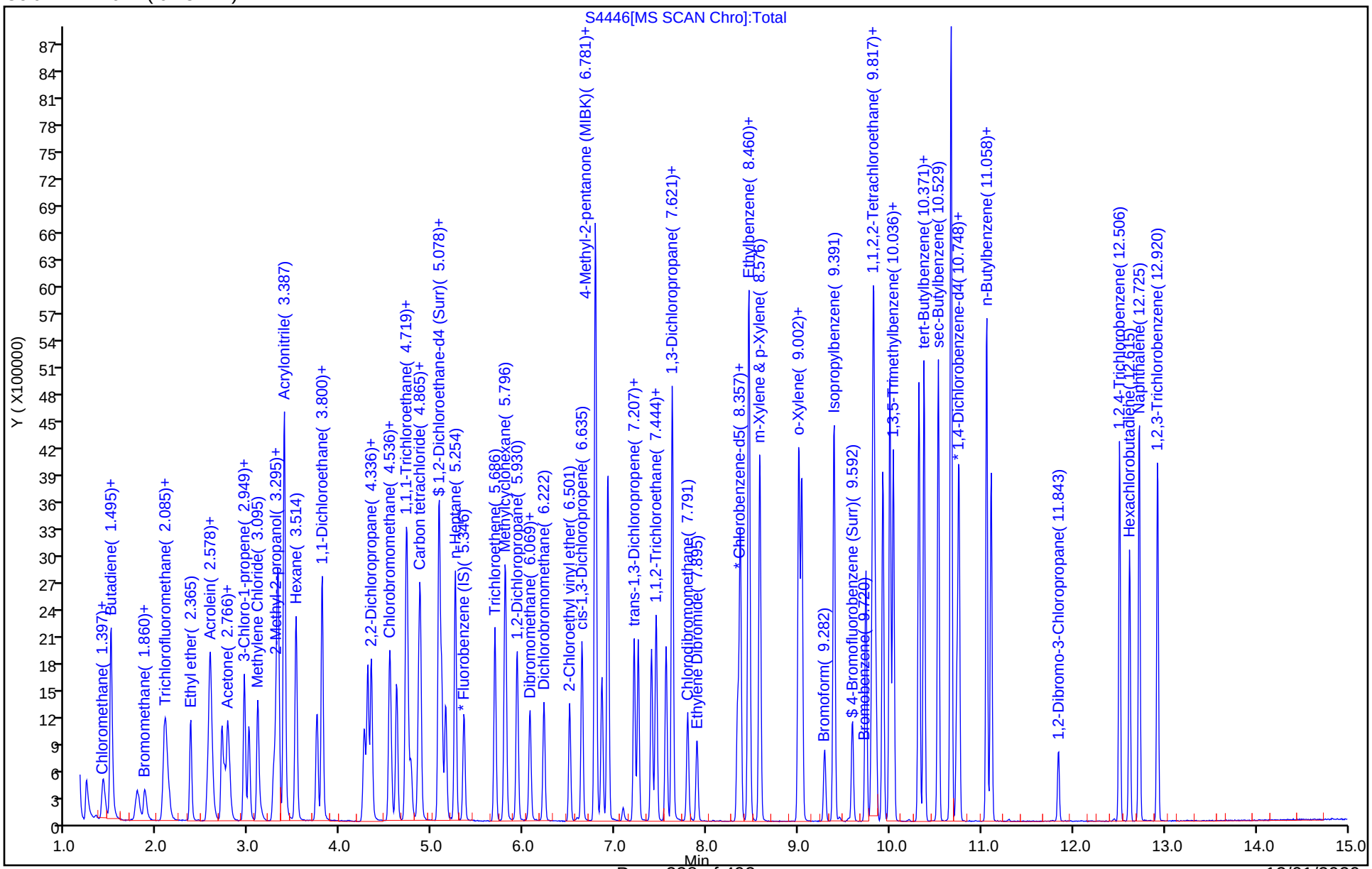
Report Date: 20-Nov-2020 11:13:01 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4446.D

Injection Date:	19-Nov-2020 17:27:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

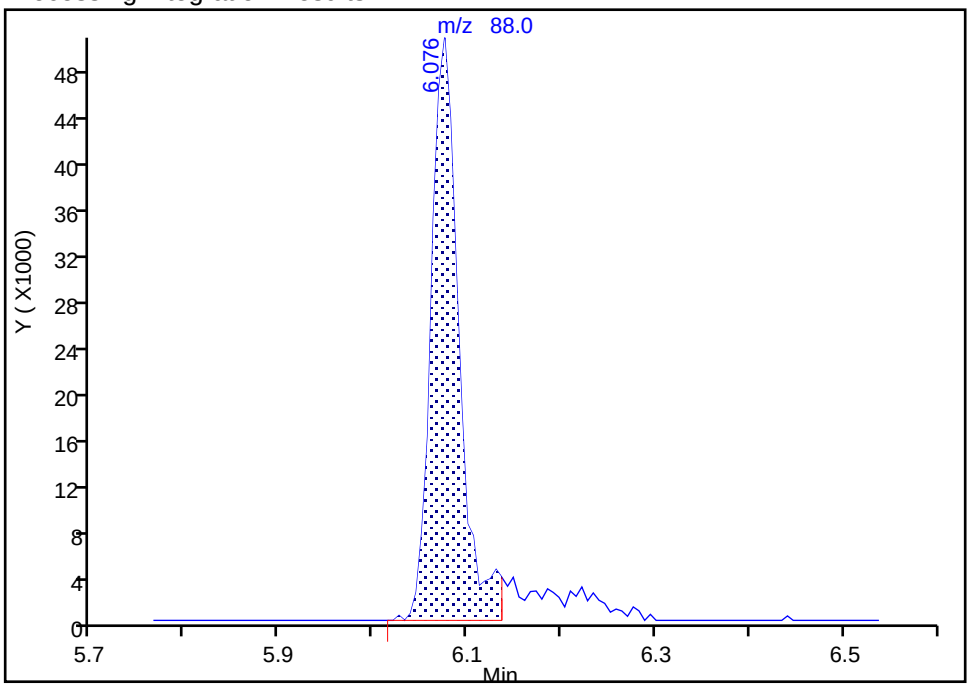
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Injection Date: 19-Nov-2020 17:27:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

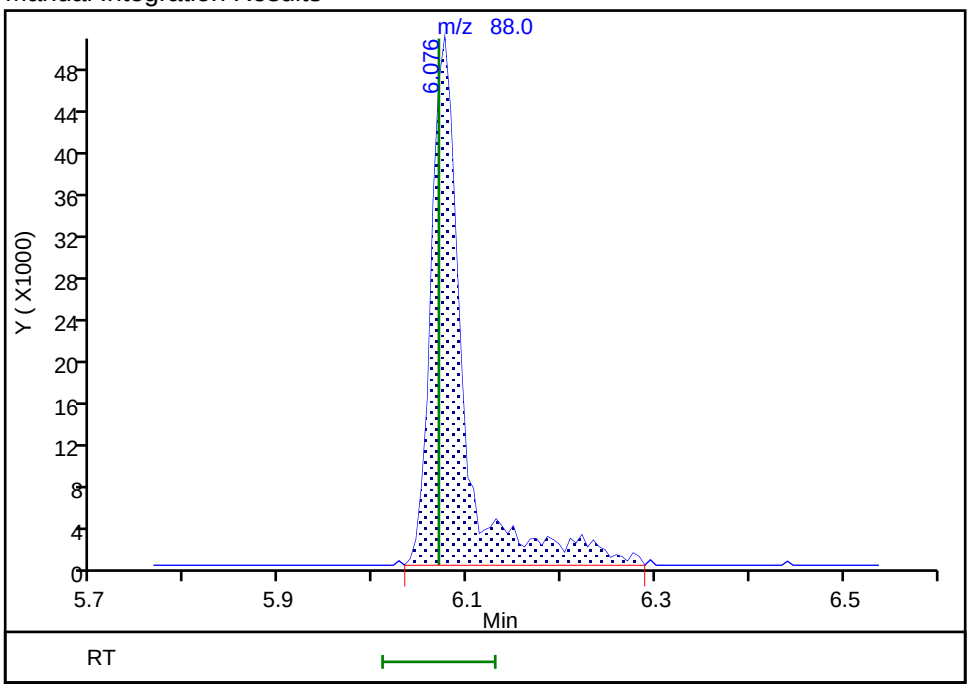
Processing Integration Results

RT: 6.08
Area: 103479
Amount: 921.1760
Amount Units: ug/L



Manual Integration Results

RT: 6.08
Area: 119776
Amount: 1044.6031
Amount Units: ug/L



Reviewer: farrellr, 19-Nov-2020 20:52:10
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4447.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 19-Nov-2020 17:50:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0095091-015
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Nov-2020 11:13:07 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: farrellr Date: 19-Nov-2020 20:53:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.352	-0.006	99	181717	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.333	8.332	0.001	88	382430	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.730	10.729	0.001	12	364682	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.768	4.767	0.001	57	234325	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	41	160866	25.0	25.9	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	53	948534	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	88	298071	25.0	25.6	
10 Dichlorodifluoromethane	85	1.227	1.227	0.000	88	1230607	100.0	103.6	
12 Chloromethane	50	1.410	1.409	0.001	100	1619405	100.0	98.8	
151 Butadiene	54	1.495	1.495	0.000	66	1513681	100.0	94.7	
13 Vinyl chloride	62	1.495	1.495	0.000	60	1363115	100.0	96.5	
14 Bromomethane	94	1.781	1.780	0.001	91	801172	100.0	95.1	
15 Chloroethane	64	1.866	1.860	0.006	99	802879	100.0	93.8	
16 Dichlorofluoromethane	67	2.085	2.085	0.000	81	1766318	100.0	96.4	
17 Trichlorofluoromethane	101	2.091	2.085	0.006	63	1653966	100.0	100.6	
18 Ethyl ether	59	2.365	2.364	0.001	95	1081391	100.0	96.2	
20 Acrolein	56	2.547	2.547	0.000	95	545795	500.0	511.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.578	2.565	0.013	61	978739	100.0	94.2	
22 1,1-Dichloroethene	96	2.578	2.571	0.007	97	976982	100.0	95.6	
23 Acetone	43	2.705	2.699	0.006	99	2526542	500.0	513.2	
25 Iodomethane	142	2.736	2.736	0.000	99	1718110	100.0	93.1	
26 Carbon disulfide	76	2.766	2.766	0.000	99	3253442	100.0	106.3	
28 3-Chloro-1-propene	41	2.949	2.948	0.001	88	2134941	100.0	110.9	
27 Methyl acetate	43	2.997	2.997	0.000	96	2460160	200.0	212.2	
30 Methylene Chloride	84	3.095	3.095	0.001	97	1169443	100.0	98.8	
31 2-Methyl-2-propanol	59	3.271	3.271	0.000	96	1617149	1000.0	1177.8	
32 Methyl tert-butyl ether	73	3.302	3.307	-0.005	93	3628660	100.0	101.8	
34 trans-1,2-Dichloroethene	96	3.320	3.320	0.000	94	1164096	100.0	94.1	
33 Acrylonitrile	53	3.387	3.387	0.001	99	6601358	1000.0	1063.7	
35 Hexane	57	3.514	3.514	0.000	94	1794173	100.0	93.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.739	0.007	85	2166800	100.0	99.8	
37 Vinyl acetate	43	3.800	3.800	0.000	97	7048378	200.0	226.2	
44 2,2-Dichloropropane	77	4.257	4.256	0.001	93	1270332	100.0	96.0	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	80	1276084	100.0	97.1	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	93	3828861	500.0	532.3	
48 Chlorobromomethane	128	4.537	4.536	0.000	97	653580	100.0	103.0	
49 Tetrahydrofuran	42	4.549	4.548	0.001	90	1028839	200.0	198.2	
50 Chloroform	83	4.616	4.609	0.007	85	2078143	100.0	95.1	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	83	1761780	100.0	102.7	
52 Cyclohexane	56	4.719	4.725	-0.006	94	2253642	100.0	97.3	
55 Carbon tetrachloride	117	4.853	4.853	0.000	93	1486075	100.0	103.9	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	91	1550908	100.0	96.8	
57 Benzene	78	5.078	5.078	0.000	98	4664573	100.0	99.6	
53 Isobutyl alcohol	43	5.102	5.102	0.000	95	1798341	2500.0	2848.8	
58 1,2-Dichloroethane	62	5.145	5.151	-0.006	80	1759883	100.0	97.6	
59 n-Heptane	43	5.254	5.254	0.000	95	1912089	100.0	89.4	
62 Trichloroethene	95	5.686	5.686	0.000	98	1205194	100.0	99.3	
64 Methylcyclohexane	83	5.802	5.796	0.006	92	2032924	100.0	100.5	
65 1,2-Dichloropropane	63	5.930	5.929	0.001	93	1195273	100.0	98.3	
67 Dibromomethane	93	6.070	6.063	0.007	95	764764	100.0	101.3	
66 1,4-Dioxane	88	6.070	6.069	0.001	40	194183	2000.0	1786.4	
68 Dichlorobromomethane	83	6.222	6.221	0.001	93	1545661	100.0	105.2	
69 2-Chloroethyl vinyl ether	63	6.502	6.501	0.001	93	854022	100.0	97.8	
72 cis-1,3-Dichloropropene	75	6.635	6.635	0.000	88	1902483	100.0	107.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.781	6.781	0.000	98	8496370	500.0	521.7	
74 Toluene	92	6.921	6.921	0.000	92	2980685	100.0	100.0	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	98	1803104	100.0	107.7	
75 Ethyl methacrylate	69	7.250	7.250	0.000	87	1603503	100.0	108.2	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	93	862739	100.0	97.2	
81 Tetrachloroethene	166	7.451	7.444	0.007	85	1163779	100.0	95.6	
82 1,3-Dichloropropane	76	7.554	7.554	0.000	96	1858351	100.0	99.1	
80 2-Hexanone	43	7.621	7.621	0.000	96	5691665	500.0	492.6	
83 Chlorodibromomethane	129	7.791	7.791	0.000	88	1186118	100.0	111.7	
84 Ethylene Dibromide	107	7.895	7.888	0.007	98	1118018	100.0	96.7	
87 Chlorobenzene	112	8.363	8.363	0.000	92	3222486	100.0	99.8	
88 Ethylbenzene	91	8.454	8.454	0.000	99	5799762	100.0	102.2	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.460	0.006	45	1160884	100.0	102.5	
90 m-Xylene & p-Xylene	106	8.582	8.576	0.006	99	2230471	100.0	104.6	
91 o-Xylene	106	9.008	9.002	0.006	98	2193624	100.0	102.9	
92 Styrene	104	9.038	9.038	0.000	91	3597725	100.0	106.5	
95 Bromoform	173	9.288	9.288	0.000	95	781013	100.0	120.4	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	5820972	100.0	107.0	
101 Bromobenzene	156	9.738	9.738	0.000	96	1438337	100.0	101.1	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.799	0.006	75	1563676	100.0	101.9	
99 N-Propylbenzene	91	9.823	9.817	0.006	98	7087148	100.0	106.2	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	66	490450	100.0	94.9	
98 trans-1,4-Dichloro-2-butene	53	9.847	9.847	0.000	83	506795	100.0	126.3	
103 2-Chlorotoluene	126	9.920	9.920	0.000	95	1357164	100.0	100.8	
102 1,3,5-Trimethylbenzene	105	10.000	9.999	0.001	91	5058828	100.0	106.8	
105 4-Chlorotoluene	126	10.036	10.036	0.000	98	1407575	100.0	102.7	
106 tert-Butylbenzene	134	10.316	10.316	0.000	92	1105224	100.0	100.3	
107 1,2,4-Trimethylbenzene	105	10.371	10.370	0.001	77	5097051	100.0	106.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	6505370	100.0	105.4	
111 1,3-Dichlorobenzene	146	10.663	10.662	0.001	79	2821372	100.0	100.7	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	97	5681933	100.0	106.3	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	94	2939124	100.0	102.6	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	5238212	100.0	105.2	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	93	2815500	100.0	102.3	
117 1,2-Dibromo-3-Chloropropane	75	11.837	11.837	0.000	77	339495	100.0	115.6	
119 1,2,4-Trichlorobenzene	180	12.506	12.506	0.000	92	2259725	100.0	108.8	
120 Hexachlorobutadiene	225	12.615	12.621	-0.006	97	913288	100.0	104.5	
121 Naphthalene	128	12.725	12.725	0.000	97	6060343	100.0	110.8	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	93	2086412	100.0	106.6	
S 125 1,2-Dichloroethene, Total	1				0			191.2	
S 123 Total BTEX	1				0			509.4	
S 126 1,3-Dichloropropene, Total	1				0			215.4	
S 124 Xylenes, Total	1				0			207.6	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00427	Amount Added:	50.00	Units: uL	
8260 CORP mix_00198	Amount Added:	50.00	Units: uL	
S_8260_IS_00342	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00377	Amount Added:	1.00	Units: uL	Run Reagent

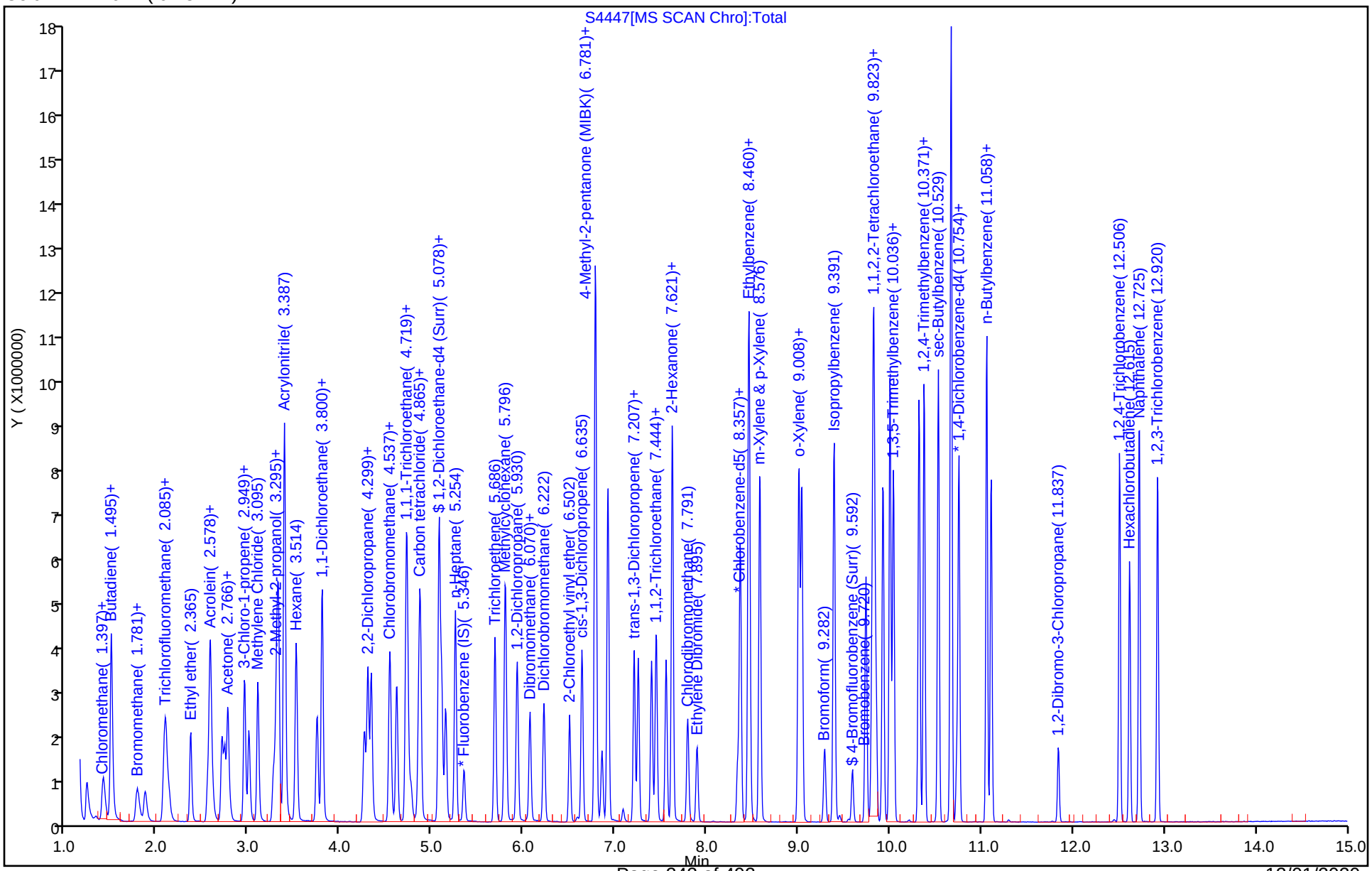
Report Date: 20-Nov-2020 11:13:09 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4447.D

Injection Date:	19-Nov-2020 17:50:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 553340

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 13:02 Calibration End Date: 10/10/2020 15:48 Calibration ID: 40433

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-553340/9	T7405.D
Level 2	IC 480-553340/10	T7406.D
Level 3	IC 480-553340/11	T7407.D
Level 4	IC 480-553340/12	T7408.D
Level 5	IC 480-553340/13	T7409.D
Level 6	ICIS 480-553340/14	T7410.D
Level 7	IC 480-553340/15	T7411.D
Level 8	IC 480-553340/16	T7412.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.5239 1.7532	1.4963 1.7059	1.7772 1.5500	1.7793	1.6933	Ave		1.6599			0.1000	7.1		20.0			
Chloromethane	2.8708 2.5931	3.0082 2.6625	3.1232 2.4809	2.9193	2.6782	Ave		2.7920			0.1000	8.0		20.0			
Butadiene	2.1654 2.3703	2.2878 2.3077	2.5635 2.1303	2.5247	2.3360	Ave		2.3357				6.5		20.0			
Vinyl chloride	2.2600 2.2862	2.3343 2.2678	2.3902 2.0897	2.4720	2.2613	Ave		2.2952			0.1000	4.9		20.0			
Bromomethane	1.0250 1.0741	1.1125 1.0824	1.1011 0.9985	1.1479	1.0422	Ave		1.0730			0.1000	4.6		20.0			
Chloroethane	1.3699 1.1502	1.1828 1.1665	1.1945 1.1045	1.2887	1.1891	Ave		1.2058			0.1000	7.0		20.0			
Dichlorofluoromethane	2.7780 2.6193	2.7061 2.6069	2.5385 2.4687	2.9655	2.6884	Ave		2.6714				5.7		20.0			
Trichlorofluoromethane	2.4415 2.3134	2.1741 2.2851	2.4629 2.1076	2.4389	2.3201	Ave		2.3179			0.1000	5.6		20.0			
Ethyl ether	1.5525 1.5793	1.5123 1.5605	1.7005 1.5084	1.6288	1.6039	Ave		1.5808				4.0		20.0			
Acrolein	0.2387 0.2525	0.2297 0.2566	0.2268 0.2495	0.2369	0.2535	Ave		0.2430				4.7		20.0			
1,1-Dichloroethene	1.3388 1.1947	1.0765 1.2064	1.3722 1.1190	1.2329	1.2241	Ave		1.2206			0.1000	8.1		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1358 1.4070	1.1393 1.3977	1.4905 1.2775	1.4185	1.3725	Ave		1.3299			0.1000	10.0		20.0			
Acetone	+++++ 0.7797	0.8413 0.7821	0.8834 0.7353	0.7857	0.8252	Ave		0.8047			0.1000	6.1		20.0			
Iodomethane	2.1516 2.3392	2.0329 2.3109	2.4447 2.2211	2.3301	2.3805	Ave		2.2764				5.9		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 553340

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 13:02 Calibration End Date: 10/10/2020 15:48 Calibration ID: 40433

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.4918 4.4509	4.0359 4.5056	4.8545 4.1869	4.5567	4.6014	Ave		4.4605			0.1000	5.6		20.0			
Allyl chloride	2.5365 3.0683	2.9464 3.0318	3.2618 2.8326	3.0519	3.0790	Ave		2.9760				7.2		20.0			
Methyl acetate	1.9023 1.9305	1.8390 1.9280	2.0107 1.8474	1.9230	1.9603	Ave		1.9177			0.1000	2.9		20.0			
Methylene Chloride	4.3219 1.4672	2.2473 1.4269	2.0007 1.3883	1.6391	1.5245	Lin1	1.1154	1.3927			0.1000				1.0000		0.9900
2-Methyl-2-propanol	0.3441 0.3553	0.3311 0.3538	0.3465 0.3517	0.3455	0.3584	Ave		0.3483				2.5		20.0			
Methyl tert-butyl ether	4.3979 4.5014	4.2912 4.6630	4.7092 4.3986	4.3608	4.7495	Ave		4.5090			0.1000	3.9		20.0			
trans-1,2-Dichloroethene	1.4183 1.3578	1.1235 1.3868	1.4863 1.3111	1.4496	1.4116	Ave		1.3681			0.1000	8.2		20.0			
Acrylonitrile	1.0418 1.0415	1.0522 1.0345	1.0628 0.9498	0.9867	1.0494	Ave		1.0273				3.8		20.0			
Hexane	3.0315 2.8836	2.5231 2.8813	3.1949 2.5651	3.0404	2.8916	Ave		2.8764				8.0		20.0			
1,1-Dichloroethane	3.1625 2.9991	2.7278 3.0055	3.2282 2.8343	3.1234	3.1167	Ave		3.0247			0.2000	5.6		20.0			
Vinyl acetate	3.5925 3.9881	3.7611 4.2098	3.8834 4.0876	3.6947	3.7995	Ave		3.8771				5.3		20.0			
2,2-Dichloropropane	2.1223 2.1075	1.8658 2.1317	2.2372 1.9947	2.2477	2.1403	Ave		2.1059				5.9		20.0			
cis-1,2-Dichloroethene	1.6838 1.4843	1.3978 1.5068	1.5953 1.4477	1.5554	1.5480	Ave		1.5274			0.1000	5.8		20.0			
2-Butanone (MEK)	+++++ 1.2653	1.1916 1.2819	1.2664 1.2164	1.2306	1.2926	Ave		1.2493			0.1000	3.0		20.0			
Chlorobromomethane	0.6472 0.7999	0.7503 0.8035	0.8237 0.7577	0.7909	0.7788	Ave		0.7690				7.1		20.0			
Tetrahydrofuran	+++++ 0.8519	1.0662 0.8825	0.9978 0.8331	0.8511	0.9229	Ave		0.9151				9.5		20.0			
Chloroform	+++++ 2.4261	2.4982 2.4437	2.7492 2.2962	2.5348	2.5211	Ave		2.4956			0.2000	5.5		20.0			
1,1,1-Trichloroethane	1.8858 2.1478	1.8687 2.1635	2.3341 2.0218	2.2117	2.1574	Ave		2.0989			0.1000	7.7		20.0			
Cyclohexane	3.4075 3.5275	2.9348 3.5045	3.9229 3.1991	3.5876	3.5904	Ave		3.4593			0.1000	8.5		20.0			
Carbon tetrachloride	1.8095 2.0420	1.4478 2.0410	2.1051 1.9129	2.0108	1.9570	Ave		1.9158			0.1000	11.0		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 553340

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 13:02 Calibration End Date: 10/10/2020 15:48 Calibration ID: 40433

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	2.2738 2.0035	1.6868 2.0162	2.1287 1.8919	2.0983	2.0447	Ave		2.0180				8.6		20.0			
Benzene	5.5849 5.5178	4.9675 5.5000	5.7045 5.2258	5.6366	5.7086	Ave		5.4807			0.5000	4.7		20.0			
Isobutyl alcohol	0.1202 0.1432	0.1239 0.1511	0.1363 0.1498	0.1278	0.1380	Ave		0.1363				8.5		20.0			
1,2-Dichloroethane	2.7045 2.4280	2.3410 2.4103	2.5548 2.2928	2.5254	2.5395	Ave		2.4746			0.1000	5.4		20.0			
n-Heptane	3.7786 3.3524	2.8706 3.1093	3.7091 2.7983	3.3268	3.3276	Ave		3.2841				10.7		20.0			
Trichloroethene	1.4737 1.4063	1.4039 1.4274	1.5137 1.3580	1.4189	1.4865	Ave		1.4361			0.2000	3.6		20.0			
Methylcyclohexane	2.3225 2.6014	2.0544 2.6219	2.7365 2.3974	2.6481	2.6422	Ave		2.5031			0.1000	9.1		20.0			
1,2-Dichloropropane	1.6527 1.7188	1.4781 1.7444	1.7758 1.6598	1.7803	1.7546	Ave		1.6956			0.1000	5.9		20.0			
Dibromomethane	0.7422 0.9253	0.7327 0.9624	0.9084 0.9103	0.8868	0.9660	Ave		0.8793			0.1000	10.4		20.0			
1,4-Dioxane	0.0061 0.0075	0.0063 0.0077	0.0085 0.0076	0.0079	0.0079	Ave		0.0074				11.0		20.0			
Bromodichloromethane	1.7325 1.7505	1.5333 1.7770	1.7870 1.7298	1.6846	1.7639	Ave		1.7198			0.2000	4.8		20.0			
2-Chloroethyl vinyl ether	1.2499 1.3483	1.1347 1.3886	1.3765 1.3132	1.2703	1.3877	Ave		1.3086				6.7		20.0			
cis-1,3-Dichloropropene	2.3384 2.3357	1.9327 2.3996	2.3022 2.3236	2.3350	2.3757	Ave		2.2928			0.2000	6.5		20.0			
4-Methyl-2-pentanone (MIBK)	0.7002 0.7553	0.6839 0.7498	0.7580 0.7126	0.7394	0.7816	Ave		0.7351			0.1000	4.5		20.0			
Toluene	1.0705 0.9860	0.8950 1.0107	1.1022 0.9724	1.0581	1.0324	Ave		1.0159			0.4000	6.4		20.0			
trans-1,3-Dichloropropene	0.6346 0.6418	0.5125 0.6629	0.6456 0.6555	0.6040	0.6571	Ave		0.6267			0.1000	7.9		20.0			
Ethyl methacrylate	0.4994 0.5998	0.5313 0.6262	0.5777 0.6278	0.5816	0.5955	Ave		0.5799				7.7		20.0			
1,1,2-Trichloroethane	0.3167 0.3121	0.3128 0.3172	0.3419 0.3076	0.3224	0.3216	Ave		0.3190			0.1000	3.3		20.0			
Tetrachloroethene	0.4036 0.4076	0.3346 0.4063	0.4225 0.3843	0.4257	0.4122	Ave		0.3996			0.2000	7.3		20.0			
1,3-Dichloropropane	0.6922 0.6751	0.6384 0.6781	0.7115 0.6675	0.6572	0.6951	Ave		0.6769				3.4		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 553340

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 13:02 Calibration End Date: 10/10/2020 15:48 Calibration ID: 40433

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.4720 0.5471	0.4900 0.5477	0.5283 0.5207	0.5300	0.5578	Ave		0.5242			0.1000	5.7		20.0			
Dibromochloromethane	0.3451 0.3874	0.3517 0.4052	0.4019 0.4169	0.3983	0.3847	Ave		0.3864			0.1000	6.6		20.0			
1,2-Dibromoethane	0.3772 0.3971	0.4114 0.4046	0.4015 0.3994	0.4023	0.4101	Ave		0.4005				2.6		20.0			
Chlorobenzene	1.0786 1.0840	0.9395 1.1055	1.1691 1.0798	1.1835	1.1479	Ave		1.0985			0.5000	7.0		20.0			
Ethylbenzene	1.9386 1.8854	1.5583 1.8893	2.0626 1.8461	1.9431	1.9909	Ave		1.8893			0.1000	7.9		20.0			
1,1,1,2-Tetrachloroethane	0.3885 0.3936	0.3350 0.4152	0.3908 0.4090	0.3886	0.4030	Ave		0.3905				6.3		20.0			
m,p-Xylene	0.7382 0.7502	0.6030 0.7663	0.8150 0.7363	0.7750	0.7586	Ave		0.7428			0.1000	8.3		20.0			
o-Xylene	0.7578 0.7239	0.6312 0.7389	0.7540 0.7133	0.7665	0.7697	Ave		0.7319			0.3000	6.2		20.0			
Styrene	1.0254 1.2337	1.0360 1.2466	1.2511 1.2079	1.2261	1.2932	Ave		1.1900			0.3000	8.5		20.0			
Bromoform	0.2017 0.2430	0.1791 0.2692	0.2425 0.2770	0.2223	0.2383	Ave		0.2341			0.1000	13.9		20.0			
Isopropylbenzene	3.6265 3.5922	3.2269 3.6526	3.7462 3.5703	3.8039	3.8371	Ave		3.6320			0.1000	5.3		20.0			
Bromobenzene	0.8089 0.8454	0.7885 0.8361	0.8613 0.8524	0.8917	0.8883	Ave		0.8466				4.2		20.0			
1,1,2,2-Tetrachloroethane	1.0673 1.0482	0.9950 1.0356	1.1579 1.0578	1.0608	1.0677	Ave		1.0613			0.3000	4.3		20.0			
N-Propylbenzene	4.1850 4.2920	3.9323 4.2838	4.5758 4.1665	4.4480	4.4768	Ave		4.2950				4.8		20.0			
1,2,3-Trichloropropane	0.3258 0.3380	0.3811 0.3458	0.3764 0.3426	0.3358	0.3650	Ave		0.3513				5.8		20.0			
trans-1,4-Dichloro-2-butene	0.5552 0.4688	0.5011 0.4691	0.5663 0.4715	0.4792	0.5259	Ave		0.5046				7.9		20.0			
2-Chlorotoluene	0.8864 0.8511	0.8423 0.8549	0.9275 0.8403	0.8608	0.8954	Ave		0.8699				3.5		20.0			
1,3,5-Trimethylbenzene	2.7826 3.1786	2.8201 3.1418	3.2852 3.0824	3.1102	3.2730	Ave		3.0842				6.1		20.0			
4-Chlorotoluene	3.1072 2.9365	2.8698 2.9407	3.2068 2.9051	3.1055	3.1010	Ave		3.0216				4.1		20.0			
tert-Butylbenzene	0.4910 0.6833	0.6153 0.6884	0.6564 0.6867	0.6774	0.7090	Ave		0.6509				10.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 553340

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 13:02 Calibration End Date: 10/10/2020 15:48 Calibration ID: 40433

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.8016 3.1924	2.7605 3.1922	3.3192 3.1148	3.3033	3.3400	Ave		3.1280				7.3		20.0			
sec-Butylbenzene	3.8764 4.0250	3.3690 4.0021	4.1840 3.9058	4.1719	4.1446	Ave		3.9598				6.7		20.0			
4-Isopropyltoluene	3.5480 3.4383	2.8571 3.4977	3.6031 3.4151	3.5872	3.6557	Ave		3.4503				7.3		20.0			
1,3-Dichlorobenzene	1.7176 1.7003	1.5010 1.6697	1.8315 1.6537	1.8160	1.8131	Ave		1.7129			0.6000	6.4		20.0			
1,4-Dichlorobenzene	1.8250 1.7247	1.6668 1.7006	1.8088 1.6808	1.7808	1.8374	Ave		1.7531			0.5000	3.9		20.0			
n-Butylbenzene	2.9892 3.1276	2.6389 3.1006	3.3812 3.0665	3.1146	3.2302	Ave		3.0811				6.9		20.0			
1,2-Dichlorobenzene	1.8512 1.6864	1.7368 1.7015	1.8158 1.6822	1.7944	1.7782	Ave		1.7558			0.4000	3.6		20.0			
1,2-Dibromo-3-Chloropropane	0.2640 0.2260	0.2339 0.2325	0.2306 0.2439	0.2188	0.2316	Ave		0.2352			0.0500	5.8		20.0			
1,2,4-Trichlorobenzene	1.2076 1.2137	1.1592 1.2257	1.2123 1.2173	1.2630	1.2510	Ave		1.2187			0.2000	2.6		20.0			
Hexachlorobutadiene	0.5203 0.5575	0.4797 0.5792	0.5741 0.5683	0.5477	0.5768	Ave		0.5504				6.3		20.0			
Naphthalene	3.7386 3.8106	3.4775 3.7945	3.7955 3.8528	3.8316	4.0193	Ave		3.7900				4.0		20.0			
1,2,3-Trichlorobenzene	1.3388 1.1953	1.2328 1.2283	1.2561 1.2173	1.2371	1.2675	Ave		1.2467				3.5		20.0			
Dibromofluoromethane (Surr)	1.0881 1.1096	1.1217 1.1421	1.1314 1.0859	1.0754	1.1398	Ave		1.1117				2.3		20.0			
1,2-Dichloroethane-d4 (Surr)	1.5578 1.5578	1.5522 1.5615	1.5802 1.5435	1.5417	1.6137	Ave		1.5636				1.5		20.0			
Toluene-d8 (Surr)	1.2103 1.1964	1.1787 1.2015	1.2166 1.1969	1.2131	1.2298	Ave		1.2054				1.3		20.0			
4-Bromofluorobenzene (Surr)	0.3464 0.3465	0.3463 0.3547	0.3433 0.3571	0.3510	0.3514	Ave		0.3496				1.4		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 553340

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 13:02 Calibration End Date: 10/10/2020 15:48 Calibration ID: 40433

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-553340/9	T7405.D
Level 2	IC 480-553340/10	T7406.D
Level 3	IC 480-553340/11	T7407.D
Level 4	IC 480-553340/12	T7408.D
Level 5	IC 480-553340/13	T7409.D
Level 6	ICIS 480-553340/14	T7410.D
Level 7	IC 480-553340/15	T7411.D
Level 8	IC 480-553340/16	T7412.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4316 309999	10604 595509	24622 1117637	63617	118920	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	8131 458489	21318 929476	43270 1788856	104377	188087	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	6133 419108	16213 805595	35516 1536063	90268	164058	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	6401 404237	16542 791671	33115 1506760	88383	158808	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	2903 189914	7884 377857	15255 720001	41043	73190	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	3880 203377	8382 407203	16549 796397	46076	83507	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	7868 463125	19177 910068	35170 1780017	106027	188805	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	6915 409042	15407 797722	34122 1519693	87198	162937	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4397 279247	10717 544761	23559 1087595	58234	112640	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3381 223194	8138 447828	15710 899538	42352	89016	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	3792 211235	7629 421149	19011 806833	44079	85965	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3217 248776	8074 487927	20650 921161	50717	96387	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++ 689291	29809 1365160	61196 2650945	140456	289769	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	6094 413599	14406 806731	33870 1601524	83311	167179	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	12722 786978	28601 1572889	67256 3018941	162919	323157	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 553340

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 13:02 Calibration End Date: 10/10/2020 15:48 Calibration ID: 40433

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	7184 542519	20880 1058367	45190 2042473	109117	216235	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	10776 682688	26064 1346075	55713 2664106	137511	275348	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	12241 259413	15926 498117	27718 1001065	58602	107067	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	9745 628186	23464 1234930	48004 2536046	123520	251725	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	12456 795917	30410 1627835	65243 3171599	155916	333558	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4017 240071	7962 484137	20592 945385	51828	99137	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	29506 1841558	74564 3611428	147250 6848160	352794	736994	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	8586 509857	17880 1005859	44264 1849596	108706	203075	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	8957 530285	19331 1049207	44725 2043671	111673	218884	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	20350 1410300	53307 2939249	107604 5894648	264196	533676	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	6011 372633	13222 744152	30995 1438256	80364	150309	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4769 262447	9906 526000	22102 1043881	55610	108714	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	+++++ 1118628	42223 2237504	87727 4385526	219992	453901	+++++ 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1833 141439	5317 280500	11412 546374	28277	54694	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 301252	15111 616144	27649 1201401	60863	129626	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 428963	17704 853077	38088 1655648	90630	177056	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	5341 379768	13243 755274	32338 1457829	79075	151516	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	9651 623715	20798 1223401	54349 2306699	128270	252151	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	5125 361047	10260 712516	29165 1379306	71895	137442	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	6440 354239	11954 703830	29492 1364156	75021	143596	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	15818 975618	35203 1920006	79033 3768043	201528	400916	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 553340

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 13:02 Calibration End Date: 10/10/2020 15:48 Calibration ID: 40433

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	8510 632980	21955 1318532	47195 2699533	114218	242359	10.0 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	7660 429306	16590 841436	35395 1653226	90293	178347	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	10702 592757	20343 1085444	51388 2017707	118945	233697	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4174 248653	9949 498304	20972 979150	50729	104399	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	6578 459972	14559 915304	37912 1728670	94678	185562	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	4681 303913	10475 608950	24603 1196803	63652	123227	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2102 163614	5192 335979	12585 656377	31706	67841	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	1199 93477	3128 188723	8149 373740	19218	38460	8.00 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	4907 309506	10866 620357	24758 1247258	60232	123877	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3540 238393	8041 484756	19070 946846	45419	97460	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6623 412984	13696 837692	31895 1675396	83486	166841	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	34181 2348071	84874 4589907	180921 8812500	451629	952323	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	10452 613002	22214 1237481	52617 2405227	129250	251580	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	6196 399027	12721 811562	30820 1621198	73785	160109	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	4876 372912	13186 766678	27580 1552706	71047	145120	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	3092 194043	7764 388397	16321 760913	39383	78362	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	3941 253407	8305 497402	20170 950590	51996	100443	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	6758 419714	15846 830200	33963 1651105	80278	169389	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	23043 1700604	60810 3352640	126100 6439091	323712	679606	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	3369 240878	8730 496132	19186 1031075	48657	93747	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	3683 246885	10212 495406	19167 987774	49146	99932	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 553340

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 13:02 Calibration End Date: 10/10/2020 15:48 Calibration ID: 40433

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	10531 673947	23319 1353448	55810 2670847	144571	279721	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	18927 1172190	38677 2313162	98461 4566232	237354	485135	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3793 244733	8314 508391	18656 1011675	47470	98208	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	7207 466425	14967 938218	38905 1821158	94673	184859	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	7399 450045	15666 904596	35996 1764352	93636	187560	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	10011 767040	25713 1526252	59725 2987585	149774	315121	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	1969 151057	4445 329571	11575 685204	27150	58064	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	18709 1191630	39906 2408045	95293 4662963	244656	494308	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	4173 280456	9751 551203	21910 1113315	57351	114440	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	5506 347702	12305 682765	29455 1381527	68226	137545	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	21590 1423757	48629 2824183	116396 5441705	286085	576714	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	1681 112118	4713 227978	9574 447437	21601	47025	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2864 155497	6197 309281	14404 615745	30824	67743	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	4573 282342	10416 563642	23594 1097515	55362	115350	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	14355 1054414	34875 2071286	83566 4025799	200044	421644	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	16030 974114	35490 1938688	81573 3794259	199738	399482	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	2533 226668	7609 453870	16696 896897	43567	91339	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	14453 1059004	34138 2104510	84432 4068107	212463	430265	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	19998 1335182	41663 2638442	106431 5101120	268325	533927	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	18304 1140556	35333 2305948	91654 4460284	230722	470943	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	8861 564040	18562 1100764	46588 2159830	116801	233568	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1 Analy Batch No.: 553340

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2020 13:02 Calibration End Date: 10/10/2020 15:48 Calibration ID: 40433

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	9415 572113	20613 1121141	46011 2195152	114537	236702	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	15421 1037487	32634 2044115	86010 4004983	200323	416121	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	9550 559436	21478 1121728	46188 2197054	115413	229076	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1362 74981	2892 153270	5865 318562	14071	29833	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	6230 402611	14335 808045	30838 1589799	81234	161154	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	2684 184936	5932 381828	14604 742240	35229	74308	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	19287 1264083	43005 2501581	96547 5031896	246437	517783	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	6907 396520	15245 809791	31953 1589871	79570	163278	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	192612 196190	198733 199353	195928 195748	192244	200111	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	275765 275443	275004 272552	273656 278237	275612	283326	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	738556 743824	731401 735508	725989 740090	740912	749170	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	211368 215415	214872 217150	204871 220836	214379	214055	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7405.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 10-Oct-2020 13:02:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 0.4
Misc. Info.: 480-0094036-009
Operator ID: LH Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Oct-2020 11:23:54 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1651

First Level Reviewer: HillL Date: 11-Oct-2020 11:21:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.597	4.597	0.000	97	177018	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.887	6.887	0.000	89	610217	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	97	322432	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.130	4.131	-0.001	92	192612	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.379	4.379	0.000	0	275765	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	5.768	5.768	0.000	95	738556	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr)	174	7.820	7.809	0.011	0	211368	25.0	24.8	
11 Dichlorodifluoromethane	85	1.104	1.115	-0.011	42	4316	0.4000	0.3672	
13 Chloromethane	50	1.250	1.260	-0.010	97	8131	0.4000	0.4113	M
151 Butadiene	54	1.322	1.333	-0.011	93	6133	0.4000	0.3708	M
14 Vinyl chloride	62	1.332	1.343	-0.011	67	6401	0.4000	0.3939	
15 Bromomethane	94	1.560	1.581	-0.021	90	2903	0.4000	0.3821	M
16 Chloroethane	64	1.623	1.633	-0.010	51	3880	0.4000	0.4545	M
18 Dichlorofluoromethane	67	1.830	1.840	-0.010	94	7868	0.4000	0.4160	M
17 Trichlorofluoromethane	101	1.840	1.851	-0.011	82	6915	0.4000	0.4213	M
19 Ethyl ether	59	2.058	2.068	-0.010	95	4397	0.4000	0.3928	
21 Acrolein	56	2.213	2.234	-0.021	52	3381	2.00	1.96	M
22 1,1-Dichloroethene	96	2.255	2.265	-0.010	93	3792	0.4000	0.4388	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.265	2.276	-0.011	55	3217	0.4000	0.3416	
23 Acetone	43	2.379	2.379	0.000	97	14917	2.00	2.62	
24 Iodomethane	142	2.400	2.410	-0.010	98	6094	0.4000	0.3781	
25 Carbon disulfide	76	2.431	2.441	-0.010	99	12722	0.4000	0.4028	
27 3-Chloro-1-propene	41	2.597	2.597	0.000	89	7184	0.4000	0.3409	
28 Methyl acetate	43	2.649	2.638	0.011	99	10776	0.8000	0.7936	a
30 Methylene Chloride	84	2.731	2.732	-0.001	92	12241	0.4000	0.4404	
31 2-Methyl-2-propanol	59	2.918	2.897	0.021	57	9745	4.00	3.95	
33 Methyl tert-butyl ether	73	2.908	2.918	-0.010	89	12456	0.4000	0.3901	
32 trans-1,2-Dichloroethene	96	2.918	2.928	-0.010	87	4017	0.4000	0.4147	
34 Acrylonitrile	53	2.980	2.980	0.000	98	29506	4.00	4.06	
35 Hexane	57	3.094	3.084	0.010	89	8586	0.4000	0.4216	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.281	3.281	0.000	95	8957	0.4000	0.4182	
39 Vinyl acetate	43	3.322	3.322	0.000	96	20350	0.8000	0.7413	
42 2,2-Dichloropropane	77	3.726	3.726	0.000	87	6011	0.4000	0.4031	
43 cis-1,2-Dichloroethene	96	3.747	3.747	0.000	83	4769	0.4000	0.4410	
44 2-Butanone (MEK)	43	3.778	3.778	0.000	96	20740	2.00	2.34	
47 Chlorobromomethane	128	3.944	3.944	0.000	90	1833	0.4000	0.3366	
48 Tetrahydrofuran	42	3.954	3.954	0.000	64	8250	0.8000	1.27	
50 Chloroform	83	4.006	4.006	0.000	93	9290	0.4000	0.5257	
51 1,1,1-Trichloroethane	97	4.099	4.099	0.000	79	5341	0.4000	0.3594	
52 Cyclohexane	56	4.099	4.099	0.000	87	9651	0.4000	0.3940	
53 Carbon tetrachloride	117	4.203	4.213	-0.010	70	5125	0.4000	0.3778	
54 1,1-Dichloropropene	75	4.213	4.213	0.000	88	6440	0.4000	0.4507	
55 Benzene	78	4.379	4.379	0.000	42	15818	0.4000	0.4076	
56 Isobutyl alcohol	43	4.400	4.410	-0.010	87	8510	10.0	8.82	
57 1,2-Dichloroethane	62	4.431	4.441	-0.010	93	7660	0.4000	0.4372	
59 n-Heptane	43	4.514	4.514	0.000	93	10702	0.4000	0.4602	
60 Trichloroethene	95	4.856	4.866	-0.010	93	4174	0.4000	0.4105	
62 Methylcyclohexane	83	4.949	4.960	-0.011	95	6578	0.4000	0.3711	
63 1,2-Dichloropropane	63	5.053	5.053	0.000	90	4681	0.4000	0.3899	
65 Dibromomethane	93	5.156	5.157	0.000	91	2102	0.4000	0.3376	
66 1,4-Dioxane	88	5.167	5.167	0.000	0	1199	8.00	6.60	M
67 Dichlorobromomethane	83	5.281	5.281	0.000	93	4907	0.4000	0.4030	
69 2-Chloroethyl vinyl ether	63	5.498	5.488	0.010	82	3540	0.4000	0.3820	
71 cis-1,3-Dichloropropene	75	5.602	5.602	0.000	89	6623	0.4000	0.4079	a
72 4-Methyl-2-pentanone (MIBK)	43	5.706	5.706	0.000	96	34181	2.00	1.90	
73 Toluene	92	5.809	5.809	0.000	97	10452	0.4000	0.4215	
75 trans-1,3-Dichloropropene	75	6.027	6.027	0.000	94	6196	0.4000	0.4050	
77 Ethyl methacrylate	69	6.058	6.058	0.000	94	4876	0.4000	0.3445	a
78 1,1,2-Trichloroethane	83	6.172	6.172	0.000	86	3092	0.4000	0.3970	
79 Tetrachloroethene	166	6.213	6.214	-0.001	90	3941	0.4000	0.4041	
80 1,3-Dichloropropane	76	6.296	6.296	0.000	96	6758	0.4000	0.4090	a
81 2-Hexanone	43	6.348	6.338	0.010	95	23043	2.00	1.80	
82 Chlorodibromomethane	129	6.472	6.473	-0.001	86	3369	0.4000	0.3572	a
83 Ethylene Dibromide	107	6.555	6.556	-0.001	94	3683	0.4000	0.3768	
86 Chlorobenzene	112	6.908	6.908	0.000	94	10531	0.4000	0.3928	
88 Ethylbenzene	91	6.970	6.970	0.000	98	18927	0.4000	0.4104	
89 1,1,1,2-Tetrachloroethane	131	6.980	6.980	0.000	83	3793	0.4000	0.3980	
90 m-Xylene & p-Xylene	106	7.063	7.063	0.000	0	7207	0.4000	0.3975	
91 o-Xylene	106	7.374	7.374	0.000	91	7399	0.4000	0.4142	
92 Styrene	104	7.405	7.395	0.010	92	10011	0.4000	0.3447	
93 Bromoform	173	7.592	7.592	0.000	85	1969	0.4000	0.3446	Ma
95 Isopropylbenzene	105	7.664	7.664	0.000	97	18709	0.4000	0.3994	
97 Bromobenzene	156	7.934	7.934	0.000	95	4173	0.4000	0.3822	
98 1,1,2,2-Tetrachloroethane	83	7.975	7.975	0.000	92	5506	0.4000	0.4023	
99 N-Propylbenzene	91	7.985	7.986	-0.001	98	21590	0.4000	0.3898	a
100 1,2,3-Trichloropropane	110	7.996	7.996	0.000	84	1681	0.4000	0.3710	
101 trans-1,4-Dichloro-2-butene	53	8.006	8.006	0.000	76	2864	0.4000	0.4401	
105 2-Chlorotoluene	126	8.079	8.079	0.000	96	4573	0.4000	0.4076	a
104 1,3,5-Trimethylbenzene	105	8.131	8.131	0.000	93	14355	0.4000	0.3609	
102 4-Chlorotoluene	91	8.172	8.162	0.010	98	16030	0.4000	0.4113	
106 tert-Butylbenzene	134	8.390	8.390	0.000	92	2533	0.4000	0.3017	Ma
107 1,2,4-Trimethylbenzene	105	8.431	8.431	0.000	96	14453	0.4000	0.3583	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.566	8.566	0.000	93	19998	0.4000	0.3916	
111 4-Isopropyltoluene	119	8.680	8.680	0.000	97	18304	0.4000	0.4113	
110 1,3-Dichlorobenzene	146	8.690	8.680	0.010	92	8861	0.4000	0.4011	
113 1,4-Dichlorobenzene	146	8.763	8.763	0.000	90	9415	0.4000	0.4164	
115 n-Butylbenzene	91	9.022	9.022	0.000	95	15421	0.4000	0.3881	a
116 1,2-Dichlorobenzene	146	9.074	9.074	0.000	97	9550	0.4000	0.4217	
117 1,2-Dibromo-3-Chloropropane	75	9.737	9.737	0.000	0	1362	0.4000	0.4491	M
119 1,2,4-Trichlorobenzene	180	10.379	10.379	0.000	0	6230	0.4000	0.3964	M
120 Hexachlorobutadiene	225	10.483	10.493	-0.010	88	2684	0.4000	0.3781	
121 Naphthalene	128	10.597	10.587	0.010	0	19287	0.4000	0.3946	M
122 1,2,3-Trichlorobenzene	180	10.794	10.794	0.000	92	6907	0.4000	0.4296	
S 126 Xylenes, Total	1				0			0.8116	
S 125 Total BTEX	1				0			2.05	
S 124 1,2-Dichloroethene, Total	1				0			0.8556	
S 123 1,3-Dichloropropene, Total	1				0			0.8130	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00195	Amount Added:	0.40	Units: uL	
GAS CORP mix_00421	Amount Added:	0.40	Units: uL	
T_8260_Surr_00210	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00249	Amount Added:	1.00	Units: uL	Run Reagent

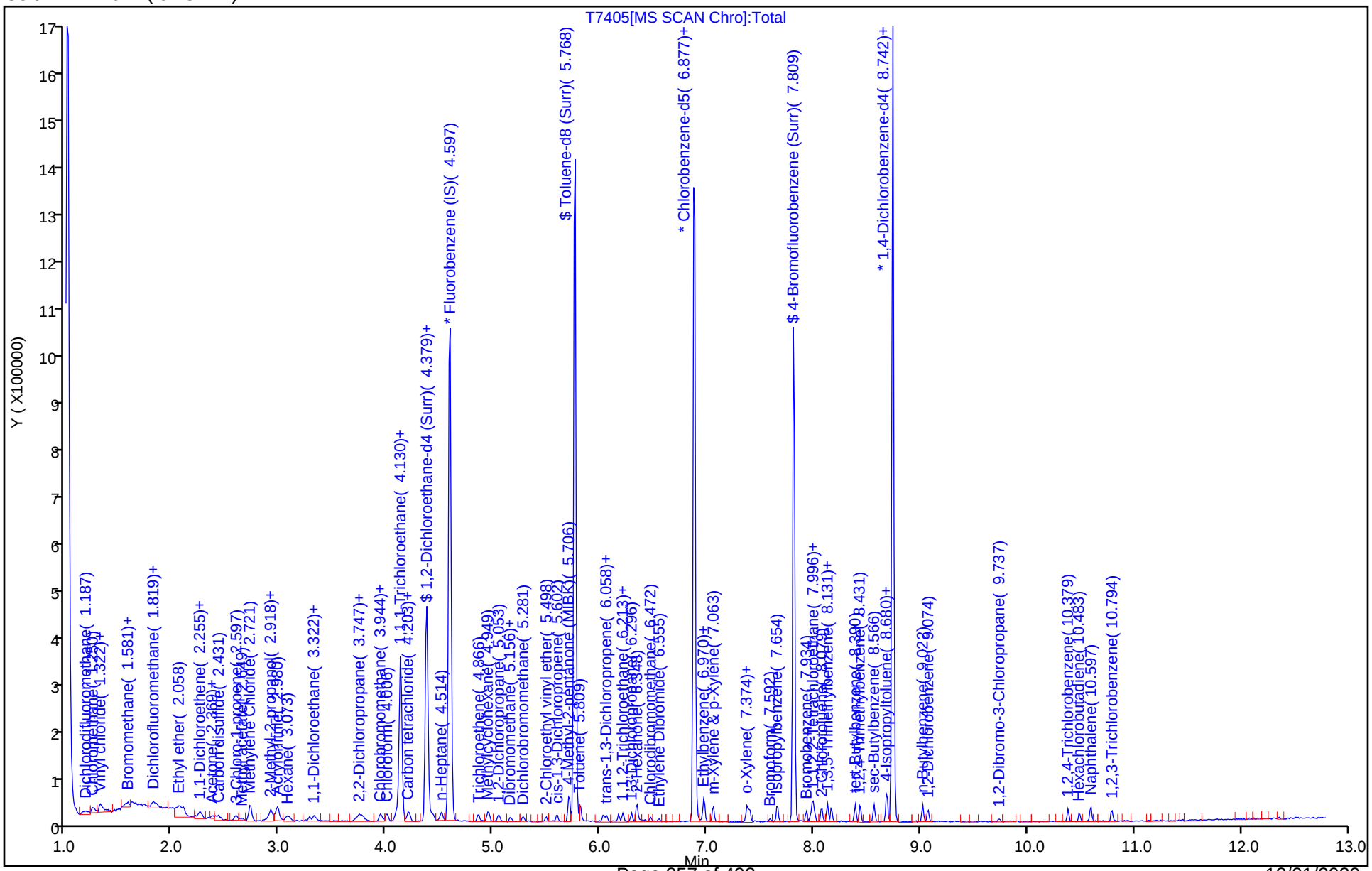
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7405.D

Injection Date:	10-Oct-2020 13:02:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	IC 0.4			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

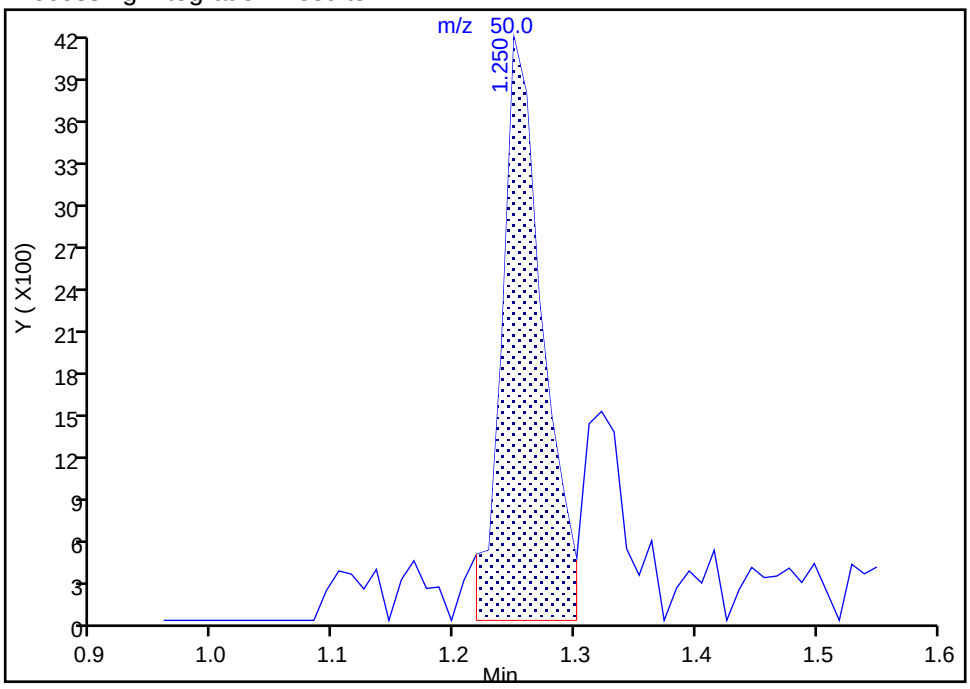
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Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

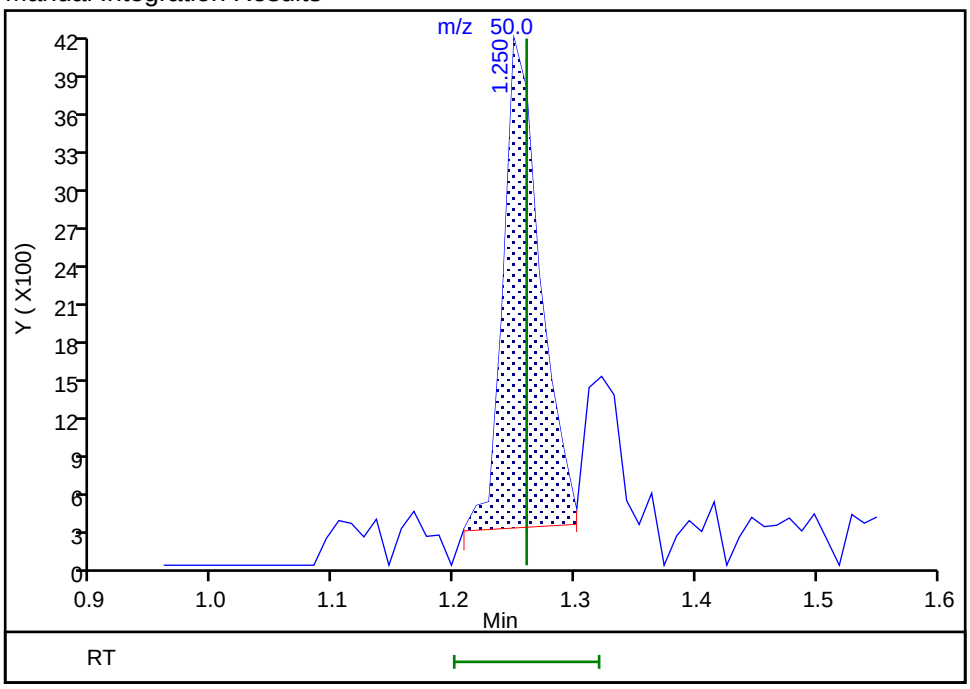
Processing Integration Results

RT: 1.25
Area: 9776
Amount: 0.481964
Amount Units: ug/L



Manual Integration Results

RT: 1.25
Area: 8131
Amount: 0.411288
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:16:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

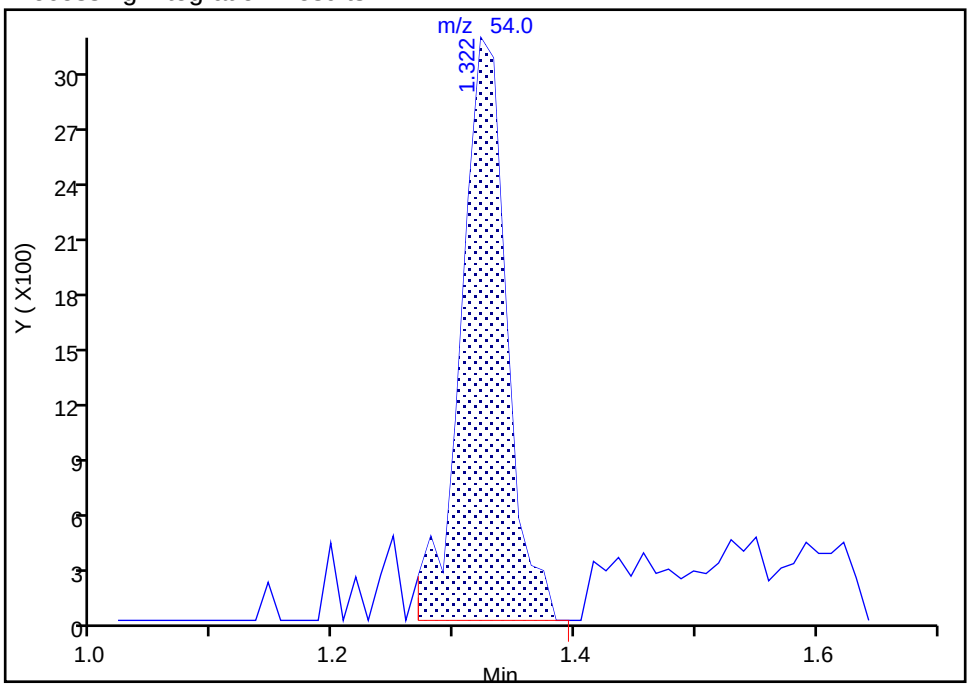
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

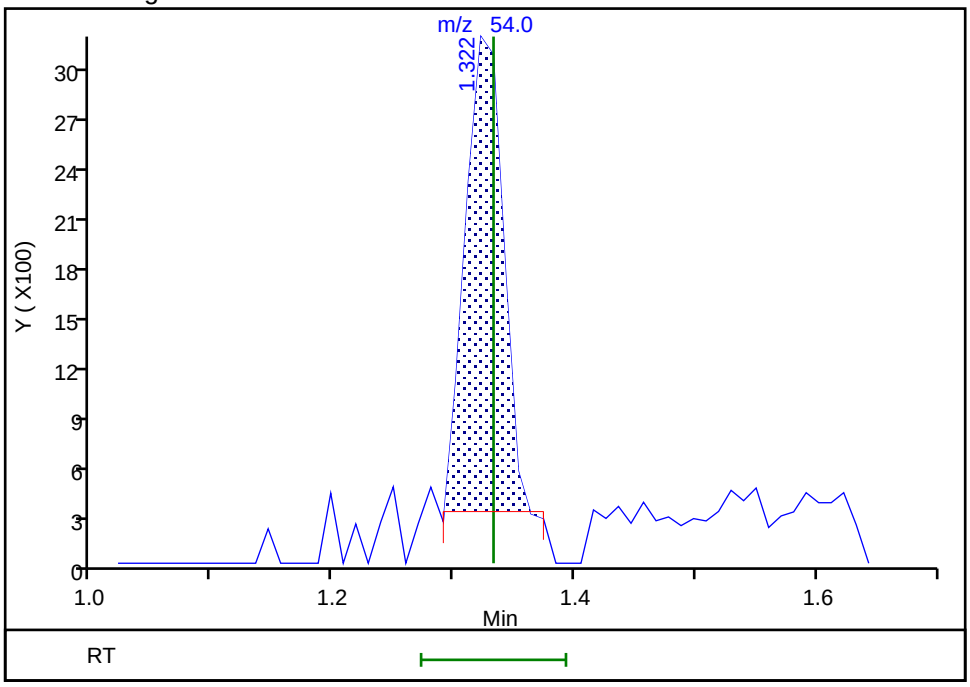
Processing Integration Results

RT: 1.32
Area: 8294
Amount: 0.481819
Amount Units: ug/L



Manual Integration Results

RT: 1.32
Area: 6133
Amount: 0.370829
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:17:06
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

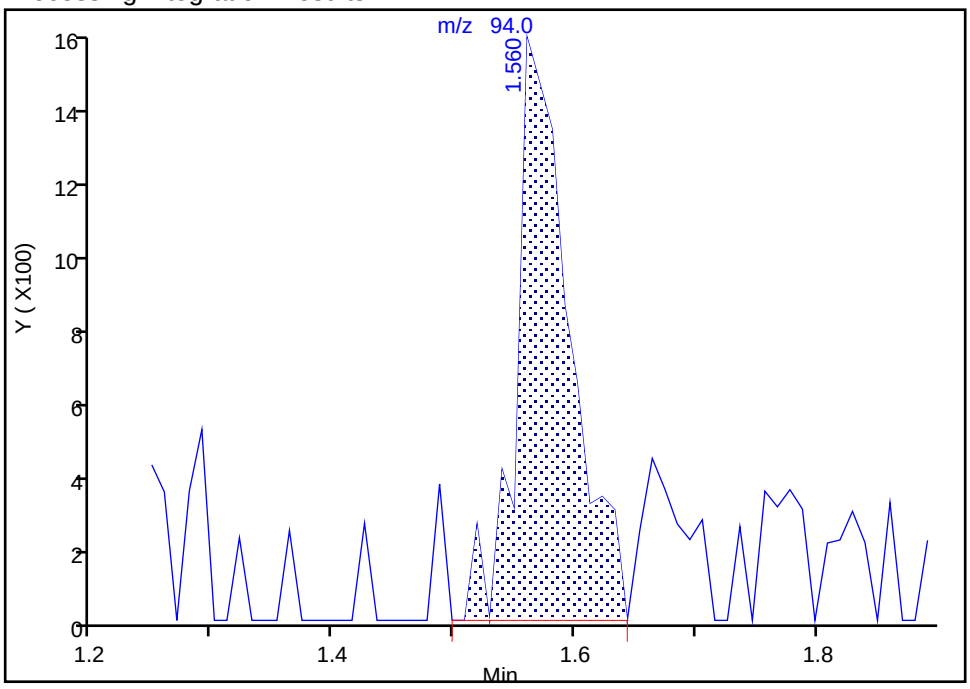
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Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

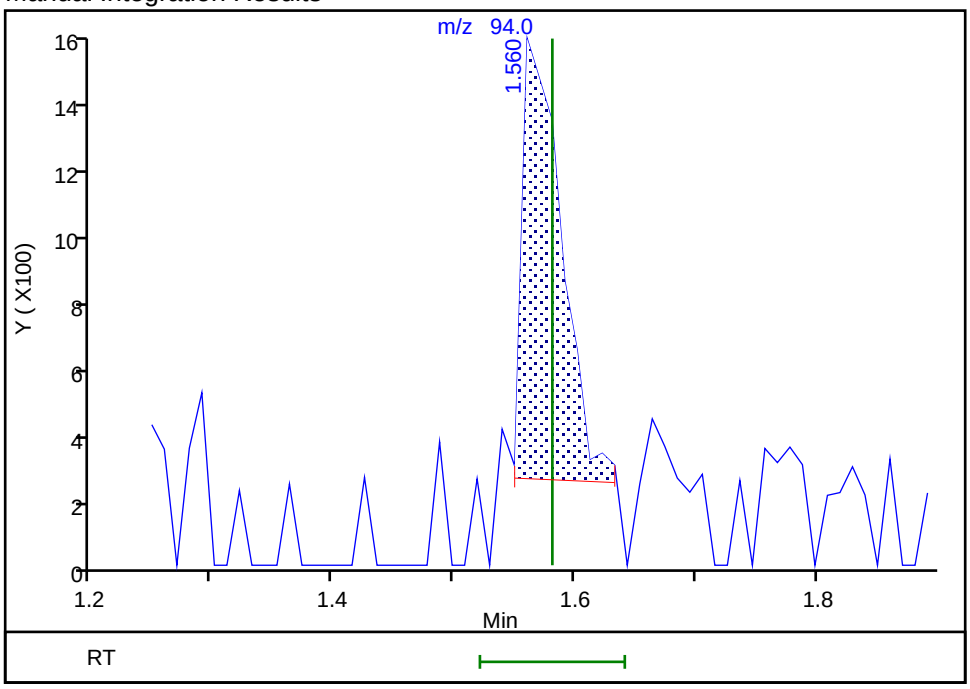
Processing Integration Results

RT: 1.56
Area: 4685
Amount: 0.548655
Amount Units: ug/L



Manual Integration Results

RT: 1.56
Area: 2903
Amount: 0.382107
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:17:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

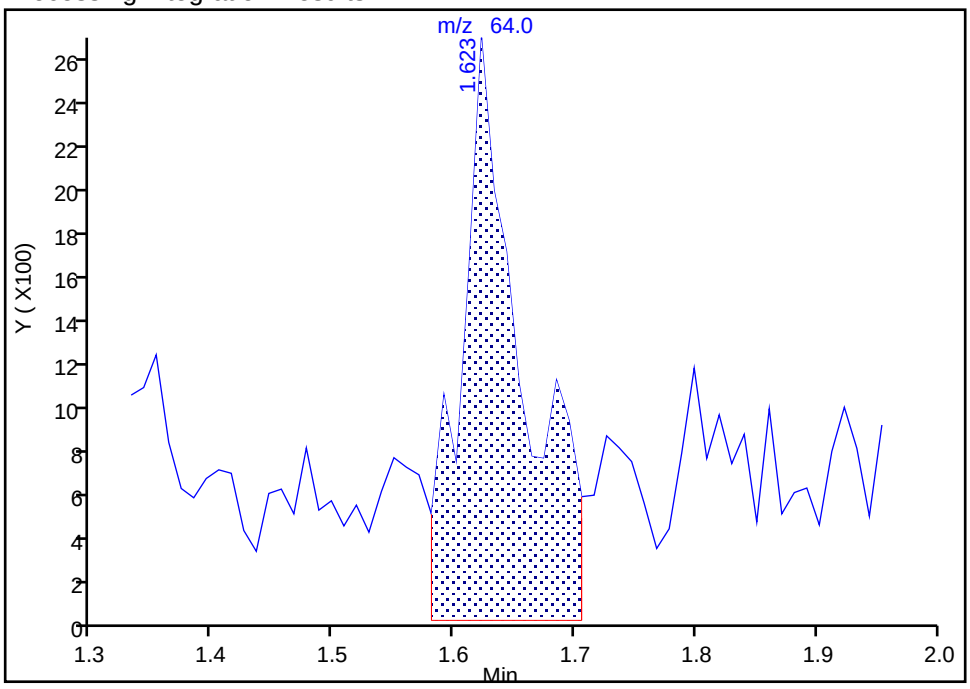
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
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Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

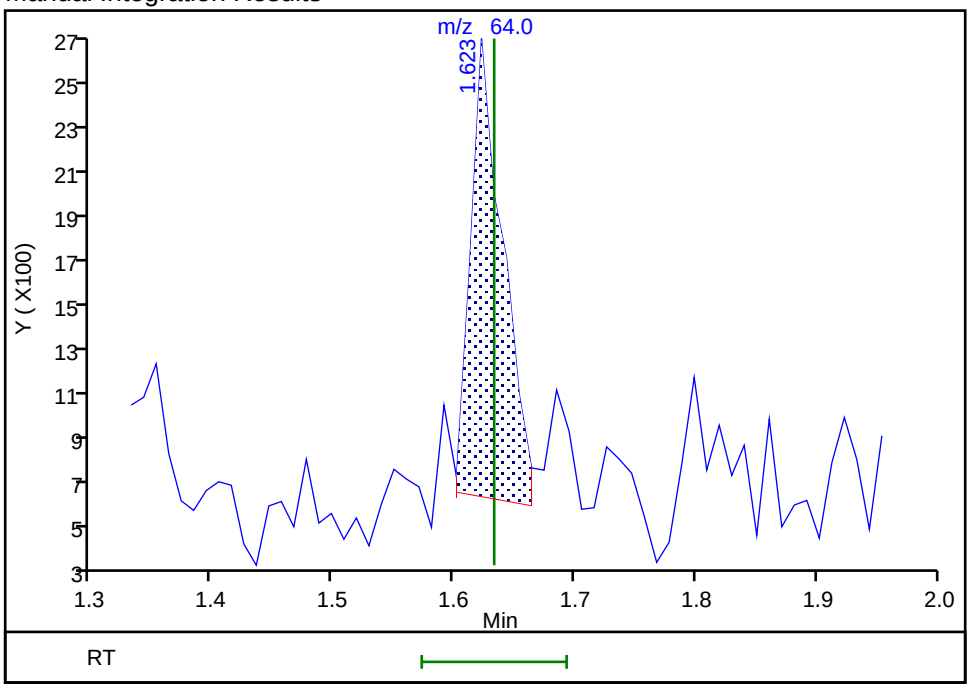
Processing Integration Results

RT: 1.62
Area: 9601
Amount: 0.512872
Amount Units: ug/L



Manual Integration Results

RT: 1.62
Area: 3880
Amount: 0.454454
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:17:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

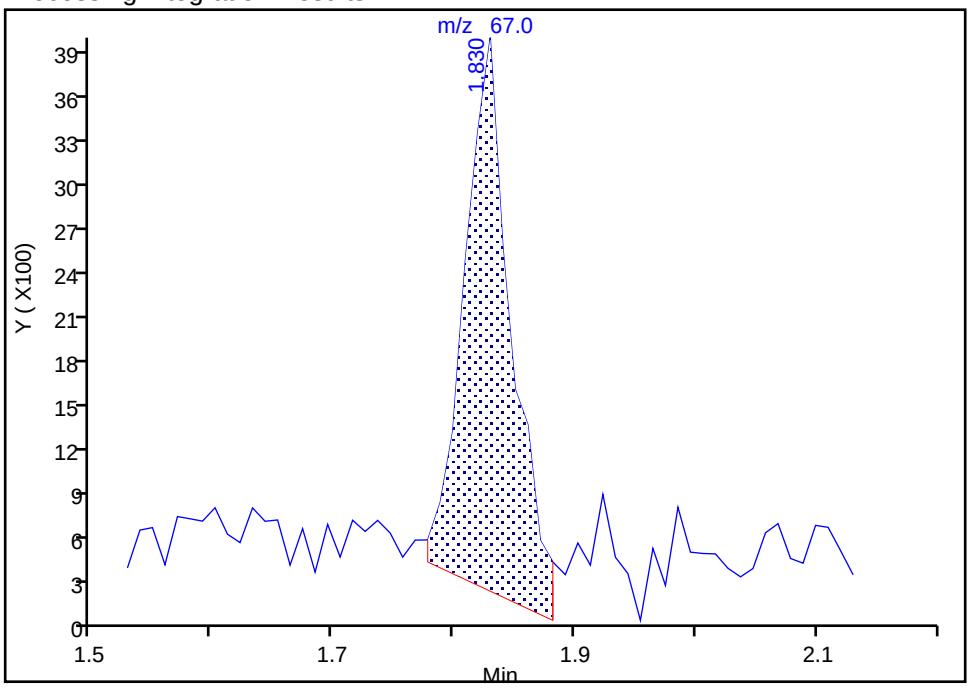
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

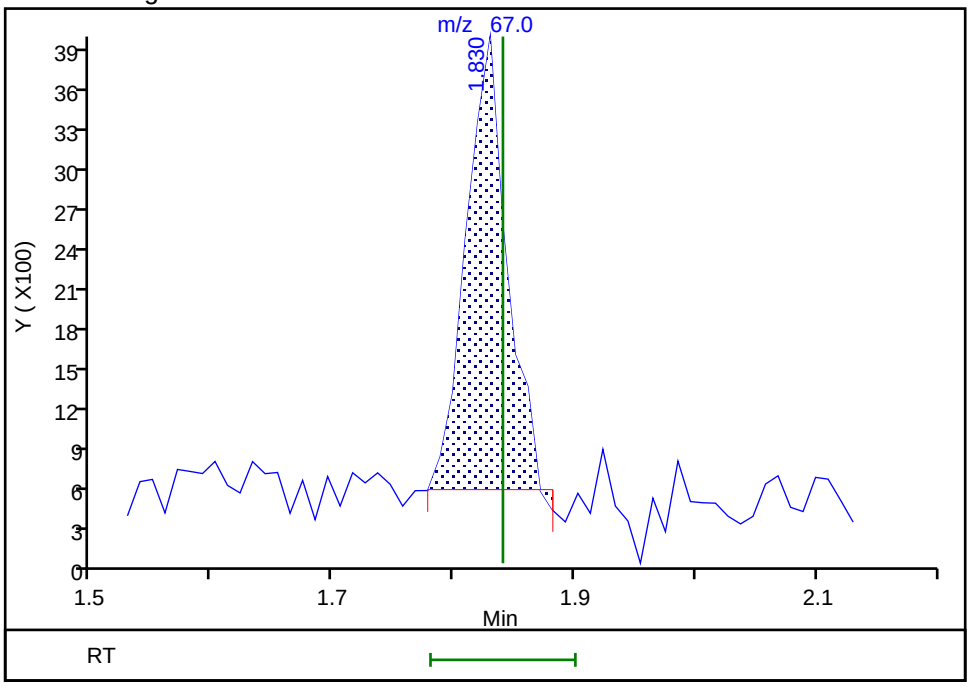
Processing Integration Results

RT: 1.83
Area: 10300
Amount: 0.499410
Amount Units: ug/L



Manual Integration Results

RT: 1.83
Area: 7868
Amount: 0.415953
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:18:06
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

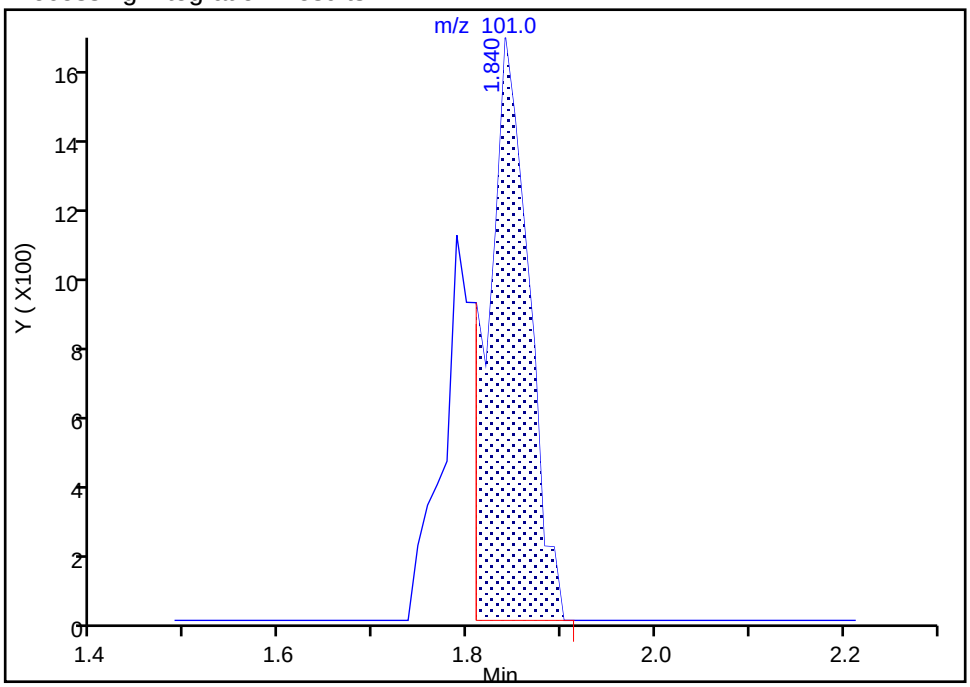
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

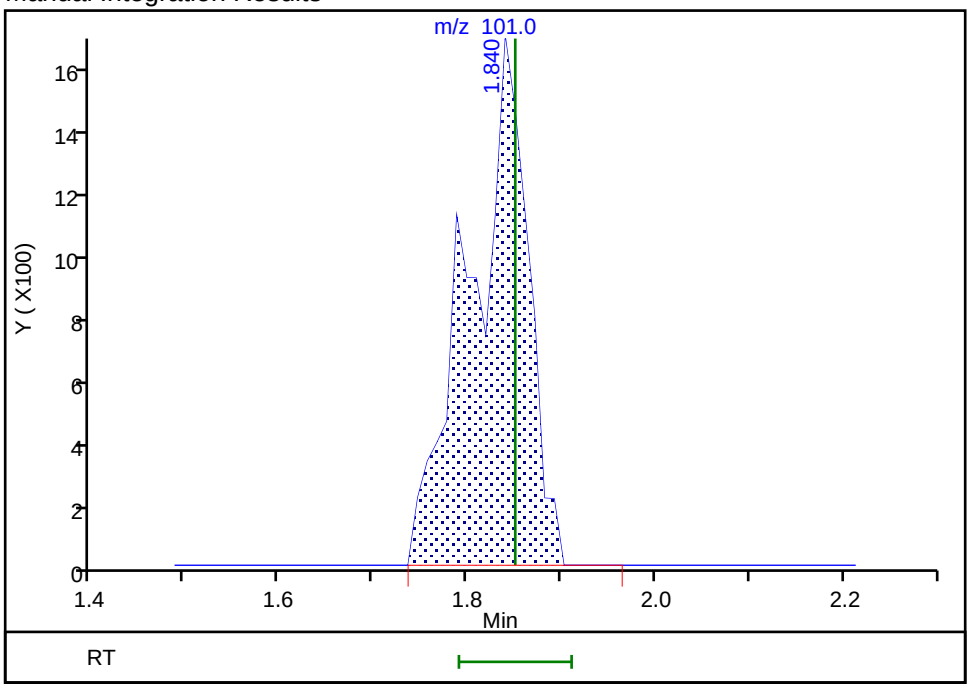
Processing Integration Results

RT: 1.84
Area: 4882
Amount: 0.309430
Amount Units: ug/L



Manual Integration Results

RT: 1.84
Area: 6915
Amount: 0.421320
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:18:16
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

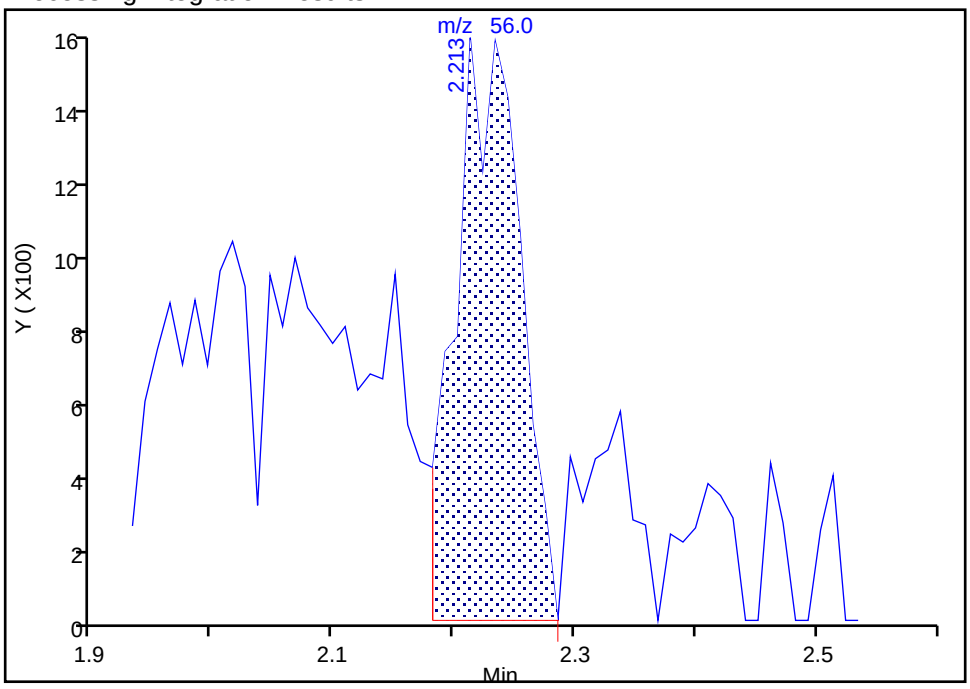
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
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Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

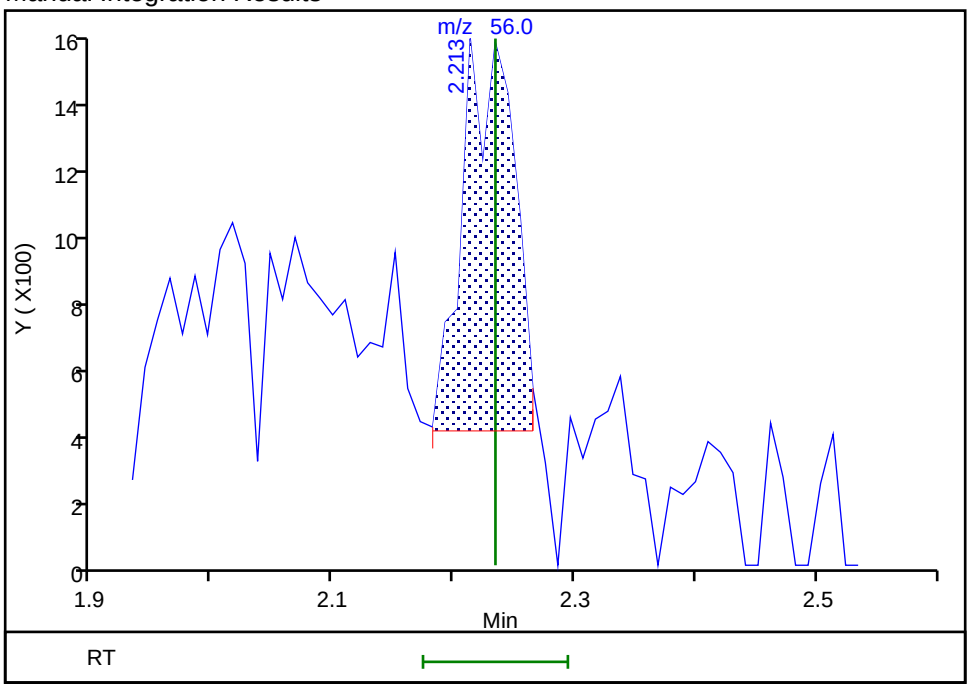
Processing Integration Results

RT: 2.21
Area: 5742
Amount: 3.056639
Amount Units: ug/L



Manual Integration Results

RT: 2.21
Area: 3381
Amount: 1.964840
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:18:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

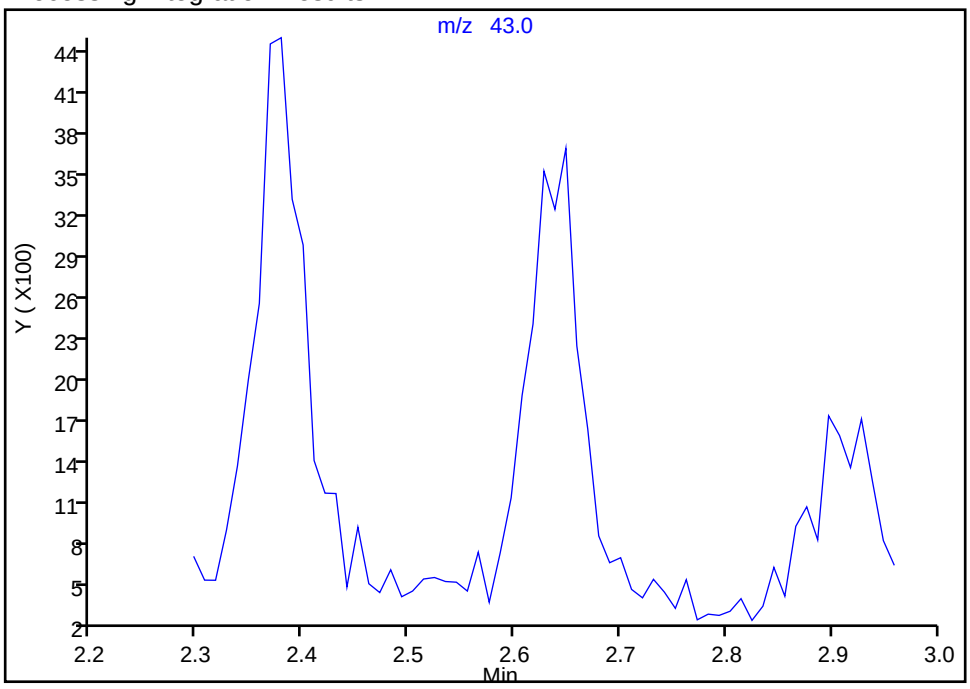
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
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Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

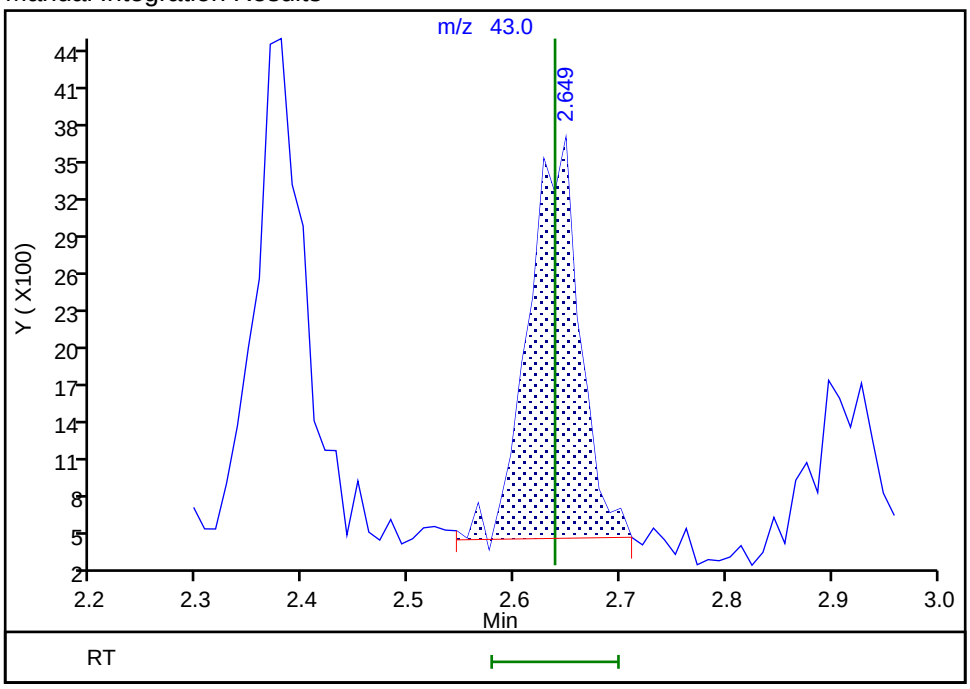
Not Detected
Expected RT: 2.64

Processing Integration Results



Manual Integration Results

RT: 2.65
Area: 10776
Amount: 0.793616
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:18:45
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

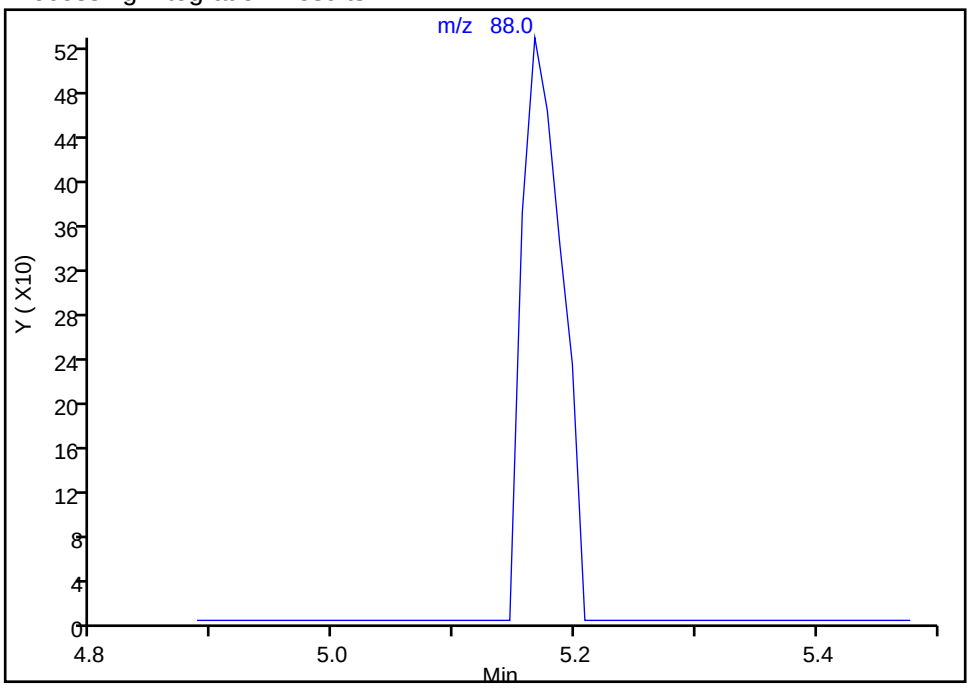
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

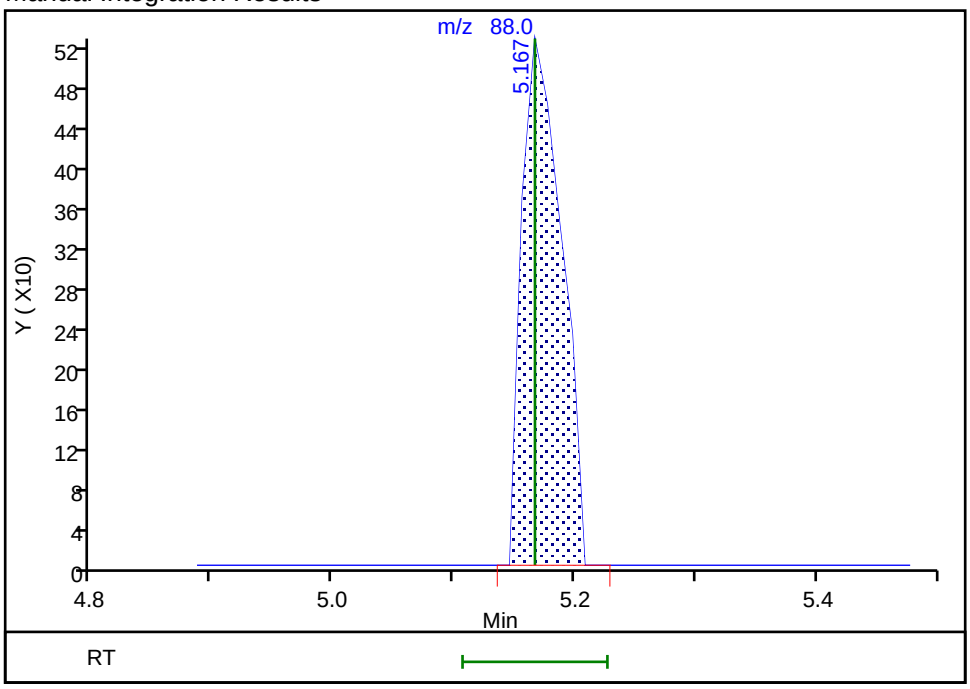
Not Detected
Expected RT: 5.17

Processing Integration Results



Manual Integration Results

RT: 5.17
Area: 1199
Amount: 6.602997
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:19:11
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

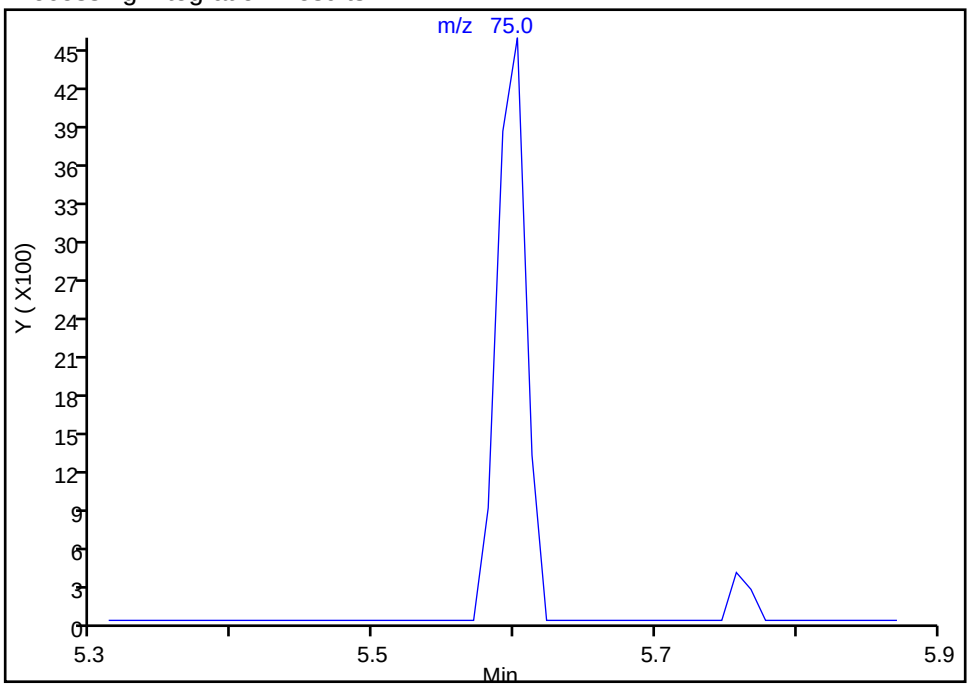
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

71 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 1

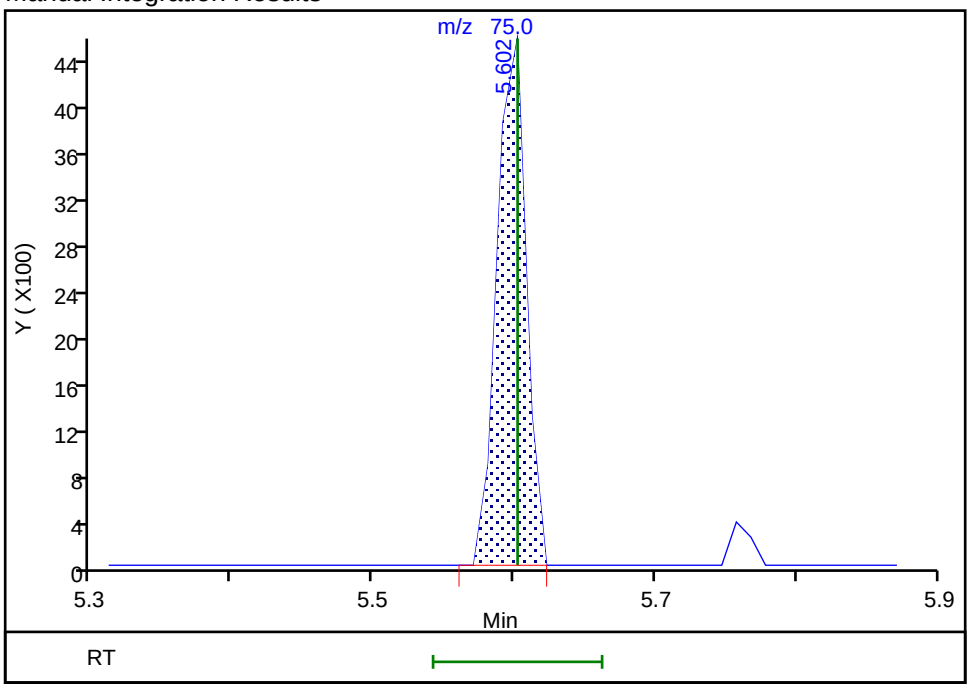
Not Detected
Expected RT: 5.60

Processing Integration Results



Manual Integration Results

RT: 5.60
Area: 6623
Amount: 0.407946
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:19:18
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

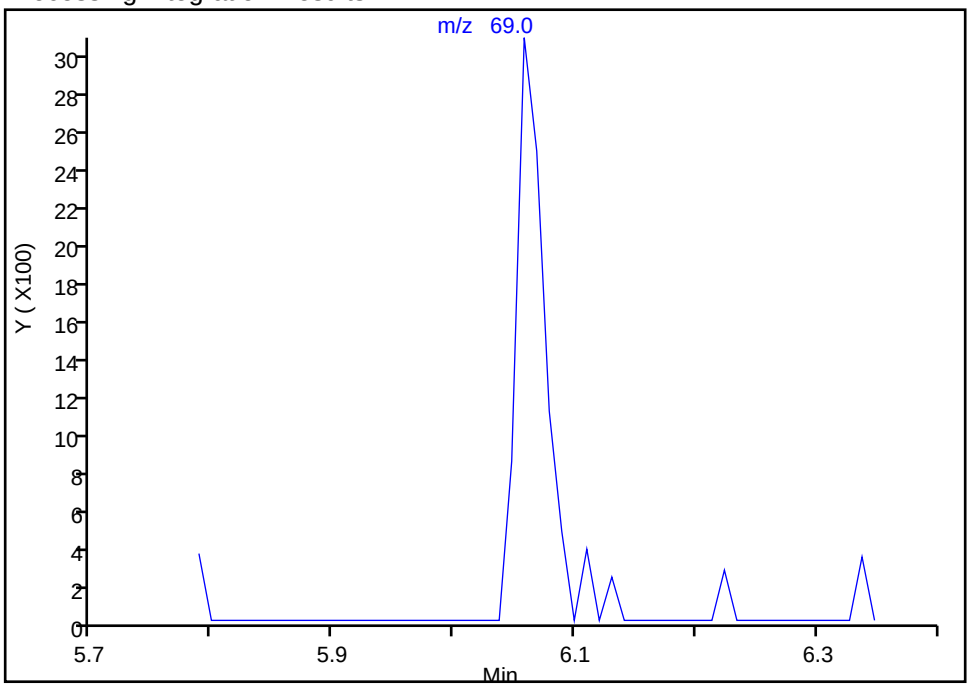
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Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

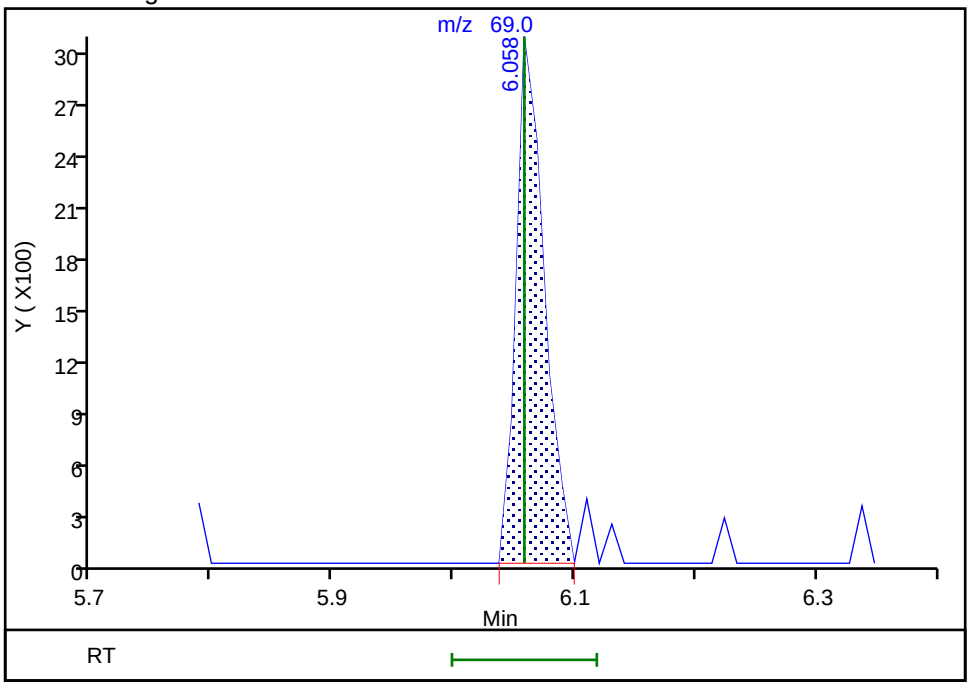
Not Detected
Expected RT: 6.06

Processing Integration Results



Manual Integration Results

RT: 6.06
Area: 4876
Amount: 0.344471
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:19:26
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

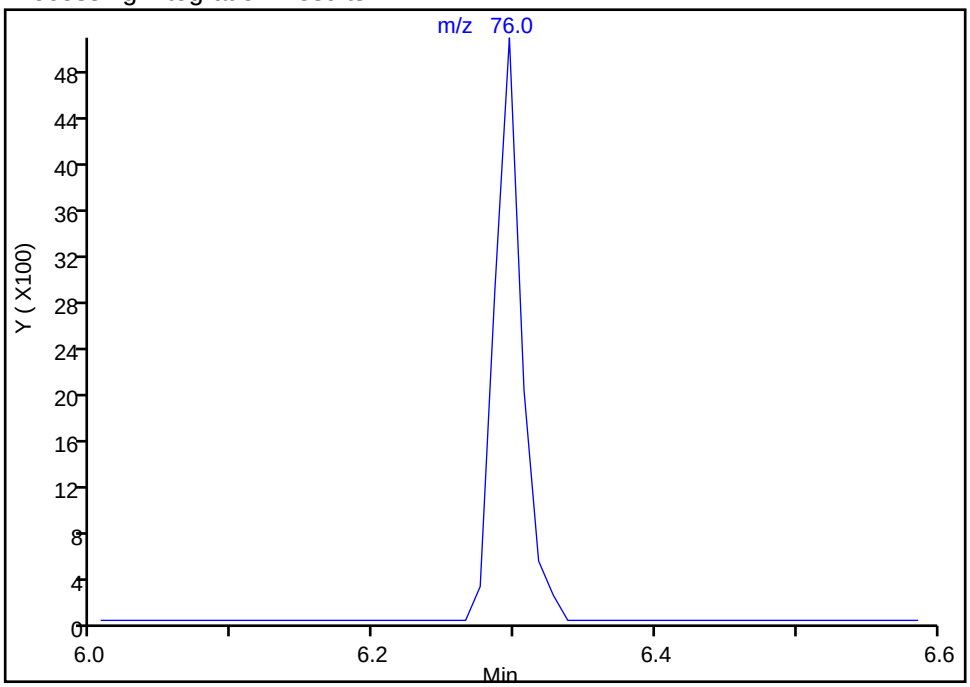
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7405.D
Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

80 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

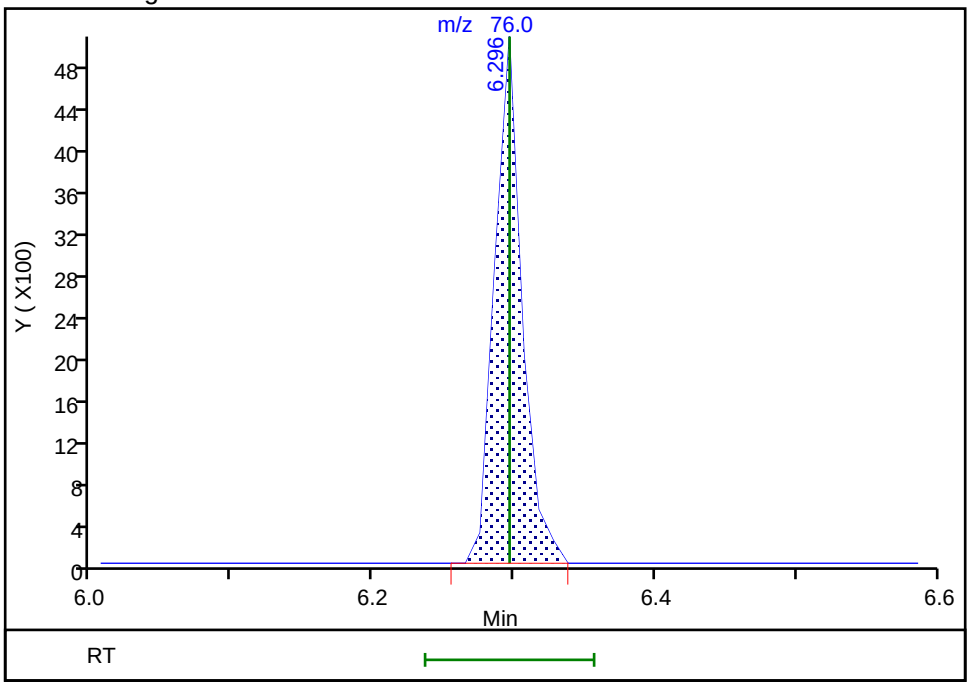
Not Detected
Expected RT: 6.30

Processing Integration Results



Manual Integration Results

RT: 6.30
Area: 6758
Amount: 0.409033
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:19:34
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

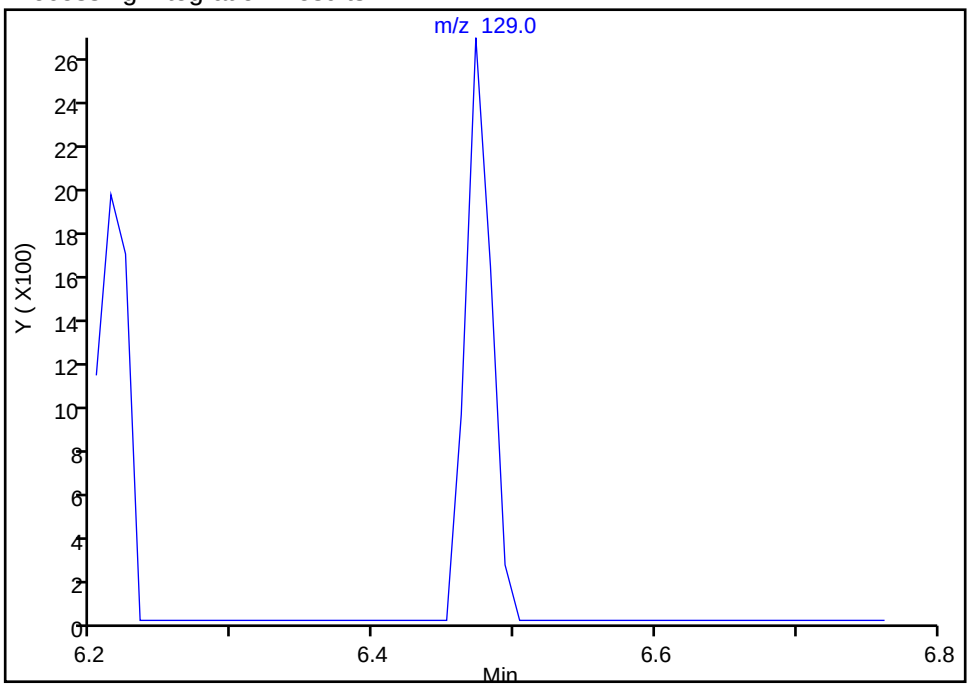
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

82 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

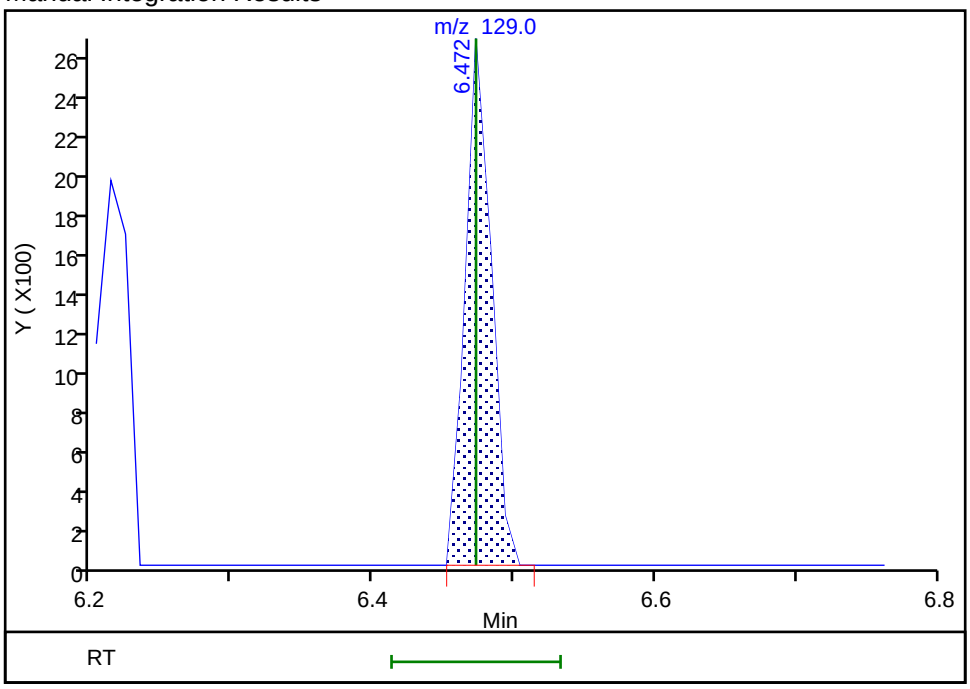
Not Detected
Expected RT: 6.47

Processing Integration Results



Manual Integration Results

RT: 6.47
Area: 3369
Amount: 0.357199
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:19:42
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

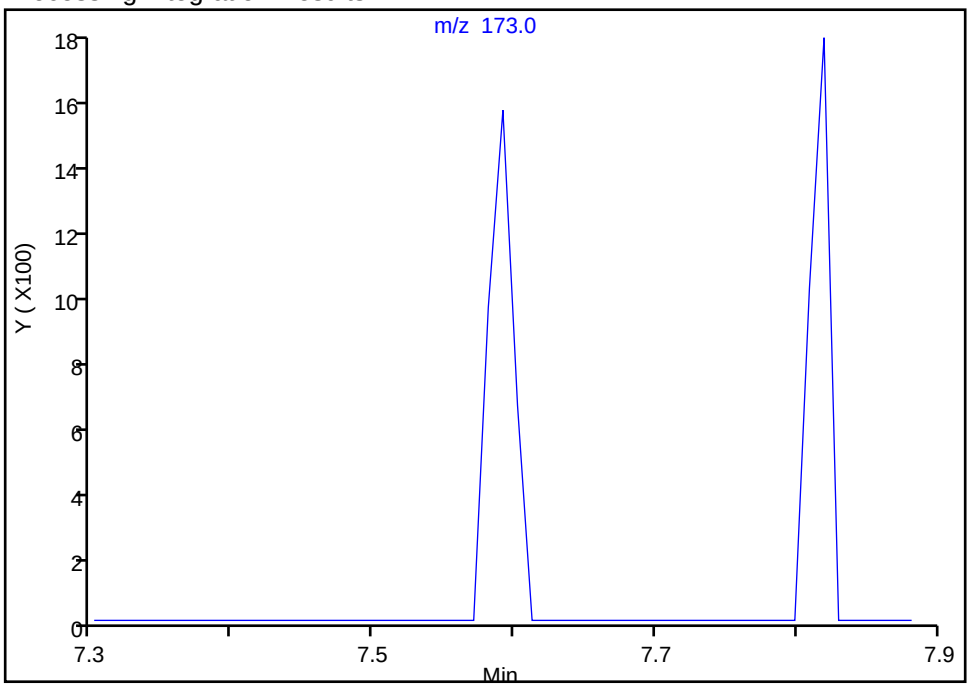
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

93 Bromoform, CAS: 75-25-2

Signal: 1

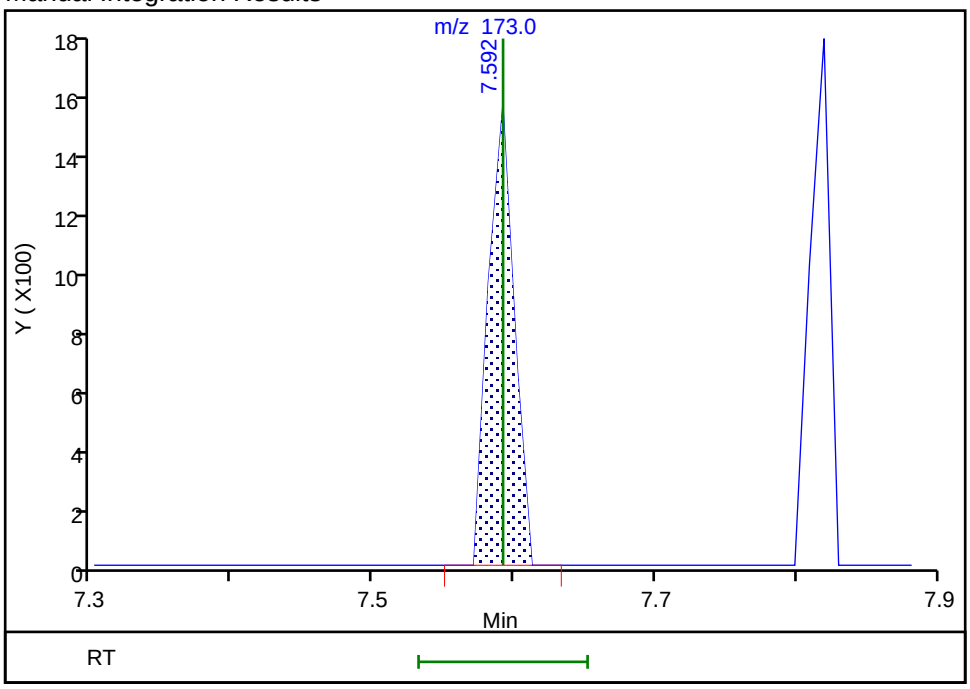
Not Detected
Expected RT: 7.59

Processing Integration Results



Manual Integration Results

RT: 7.59
Area: 1969
Amount: 0.344560
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:20:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

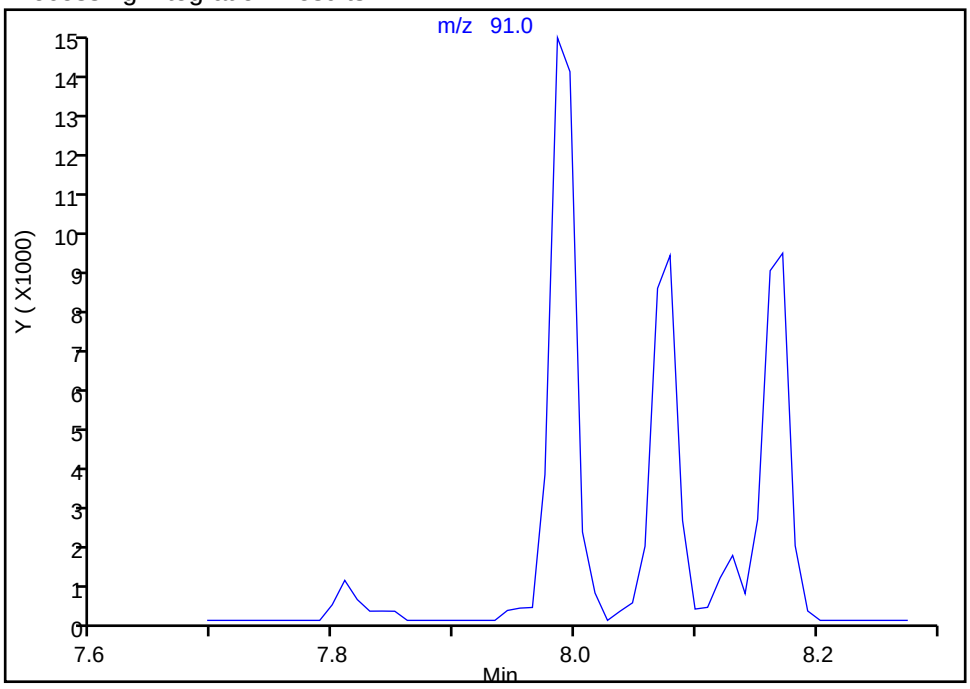
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

99 N-Propylbenzene, CAS: 103-65-1

Signal: 1

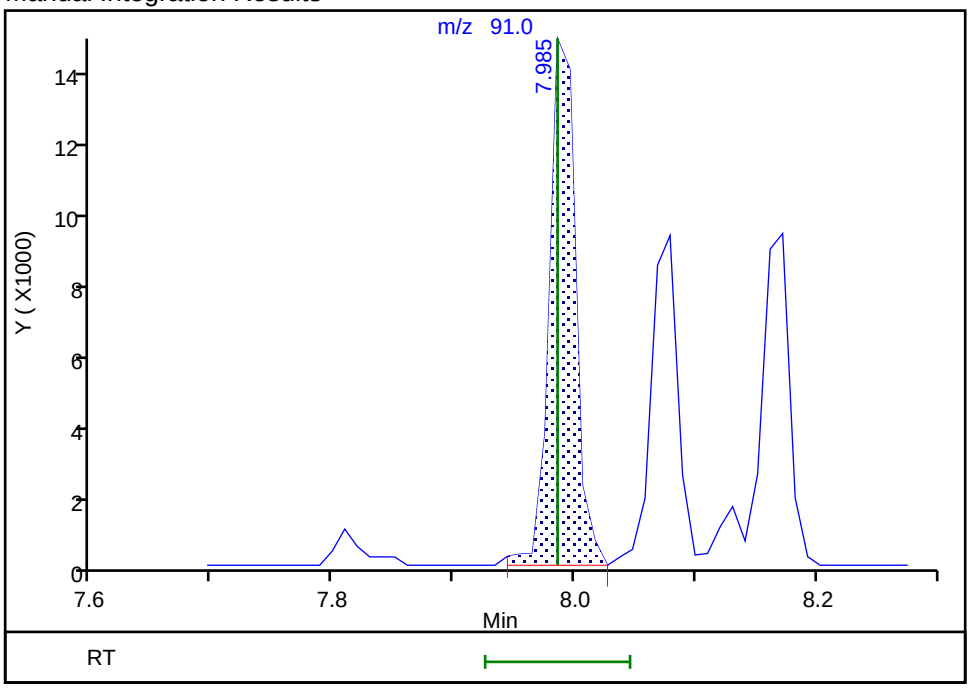
Not Detected
Expected RT: 7.99

Processing Integration Results



Manual Integration Results

RT: 7.99
Area: 21590
Amount: 0.389753
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:20:07
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

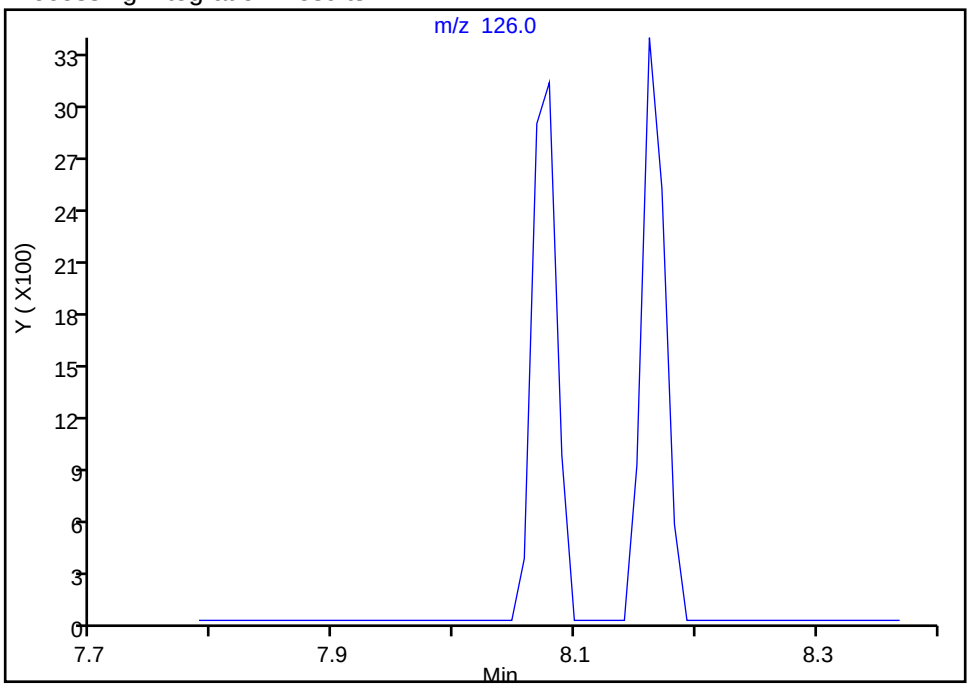
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

105 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

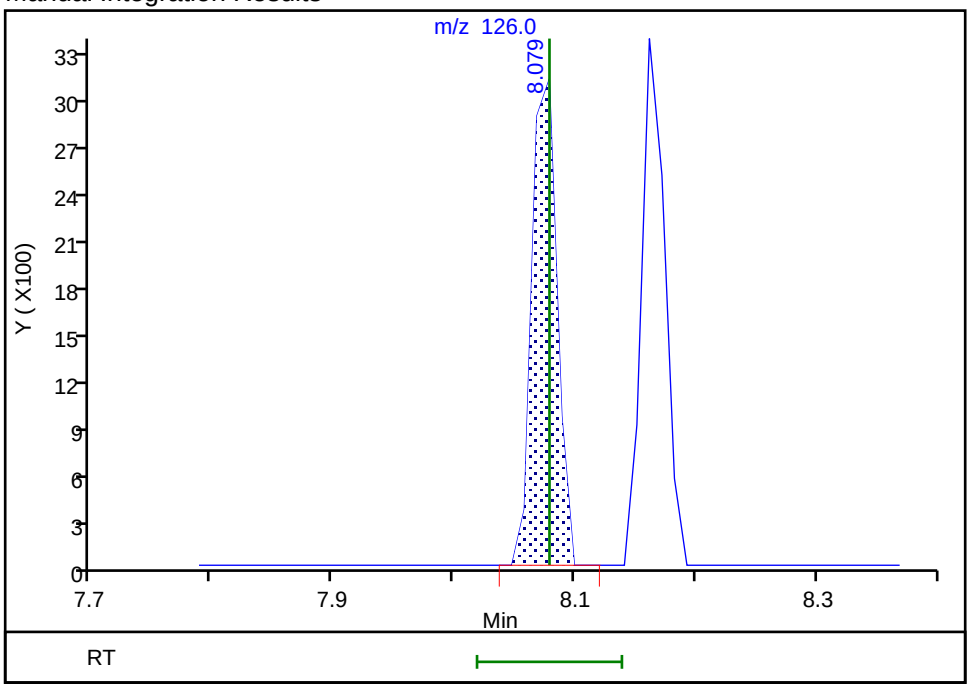
Not Detected
Expected RT: 8.08

Processing Integration Results



Manual Integration Results

RT: 8.08
Area: 4573
Amount: 0.407622
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:20:16
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

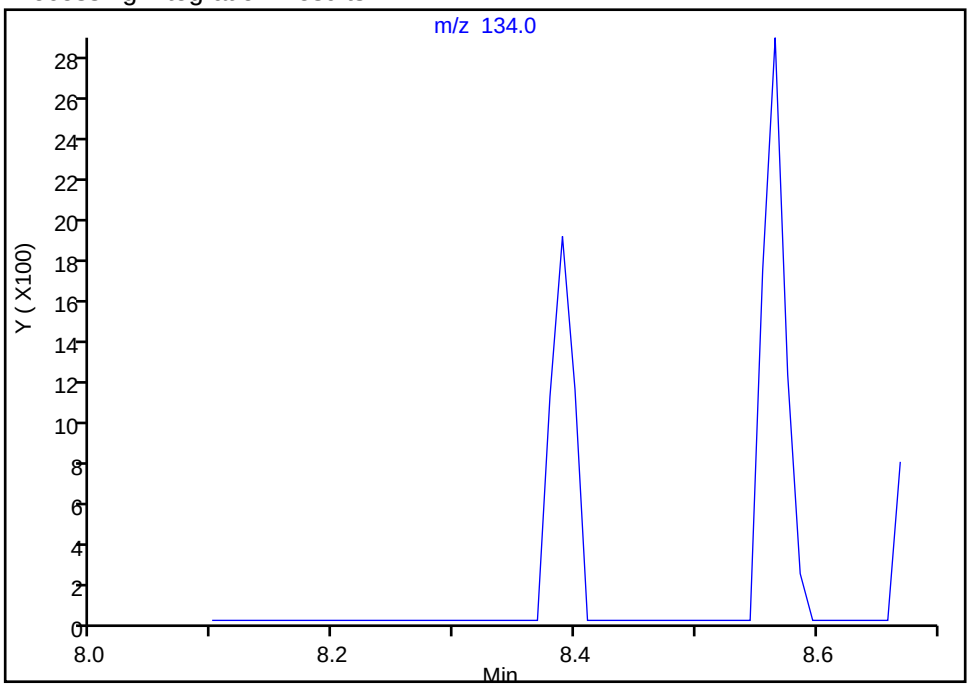
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

106 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

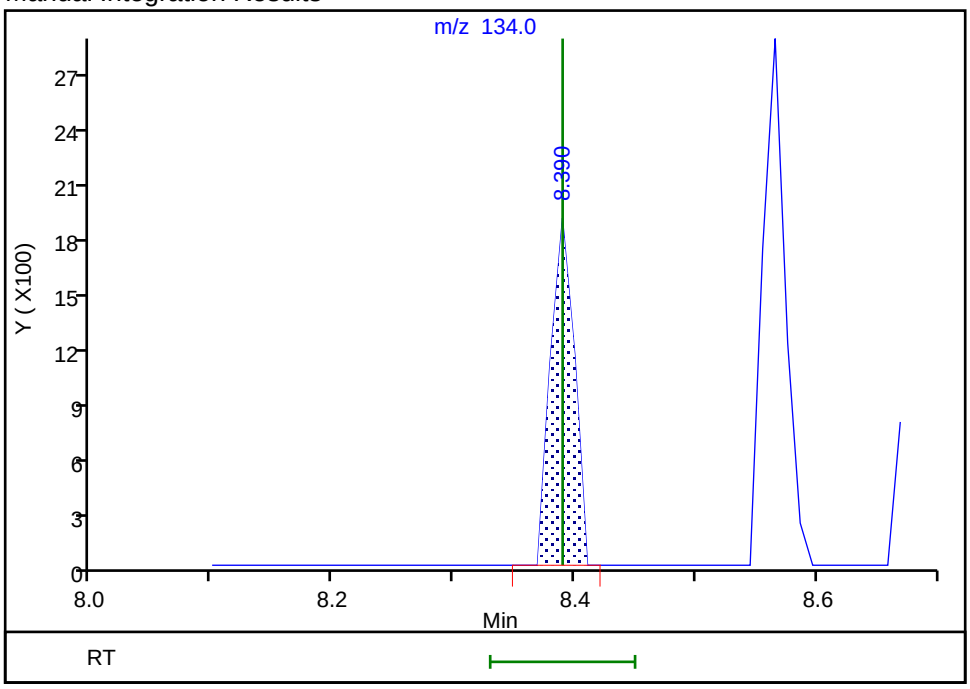
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.39
Area: 2533
Amount: 0.301715
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:20:31
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

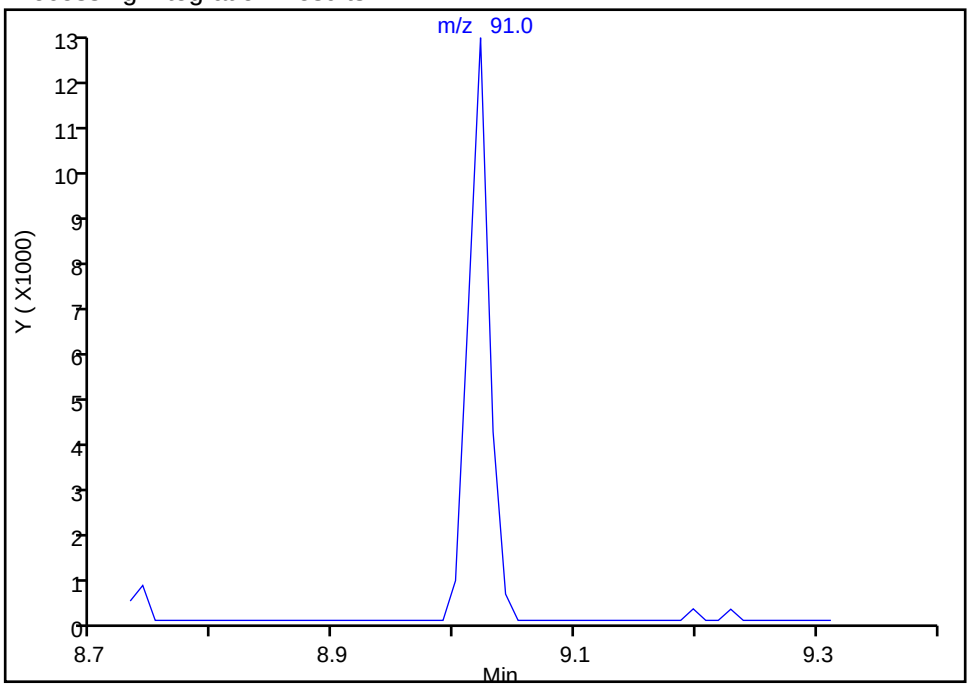
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

115 n-Butylbenzene, CAS: 104-51-8

Signal: 1

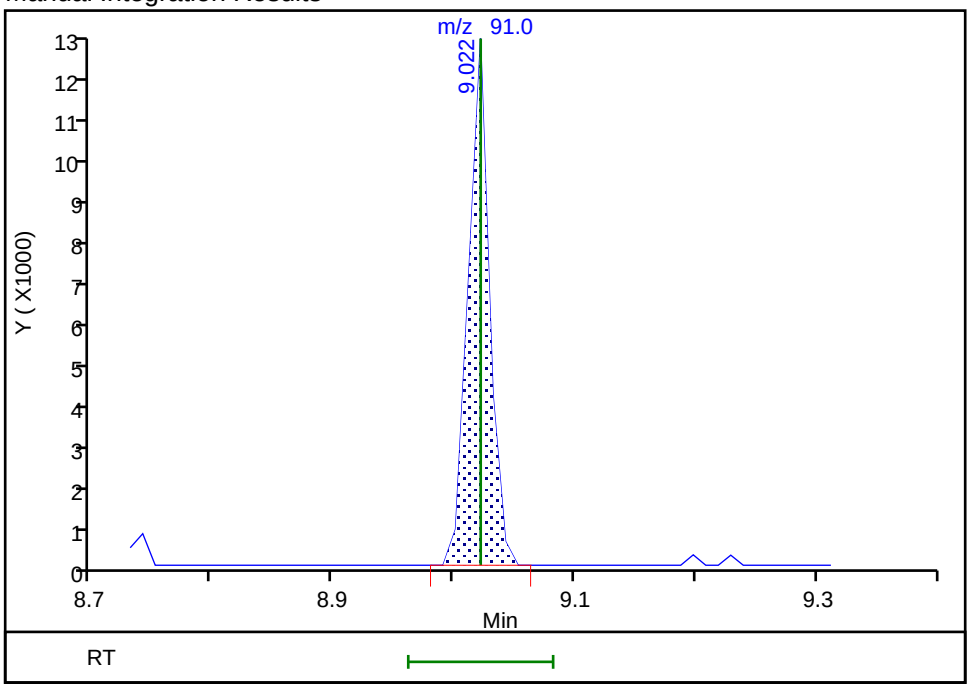
Not Detected
Expected RT: 9.02

Processing Integration Results



Manual Integration Results

RT: 9.02
Area: 15421
Amount: 0.388070
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:20:47
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

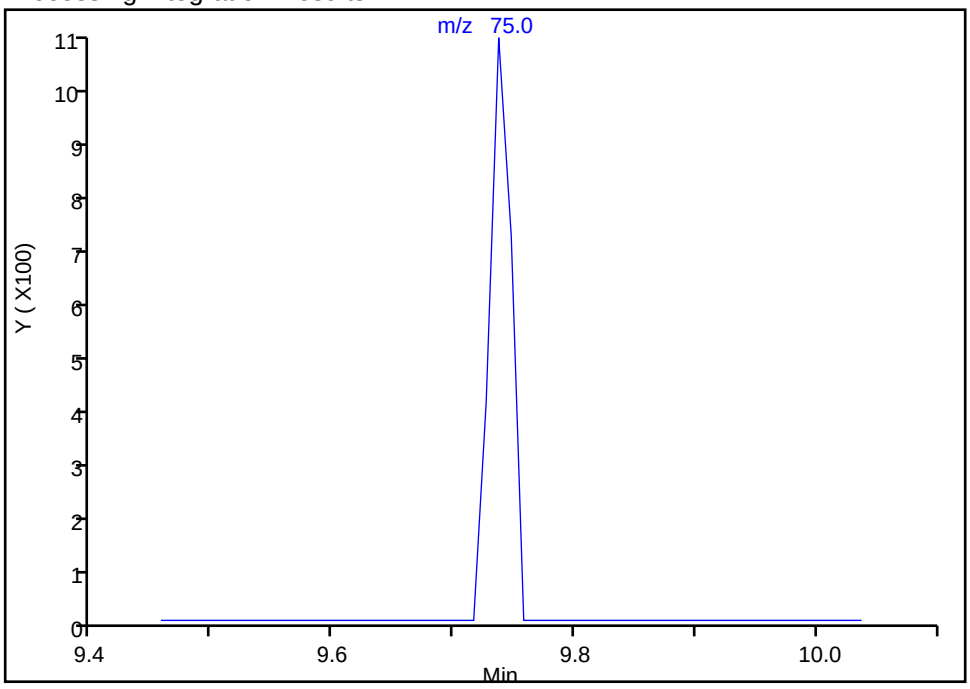
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

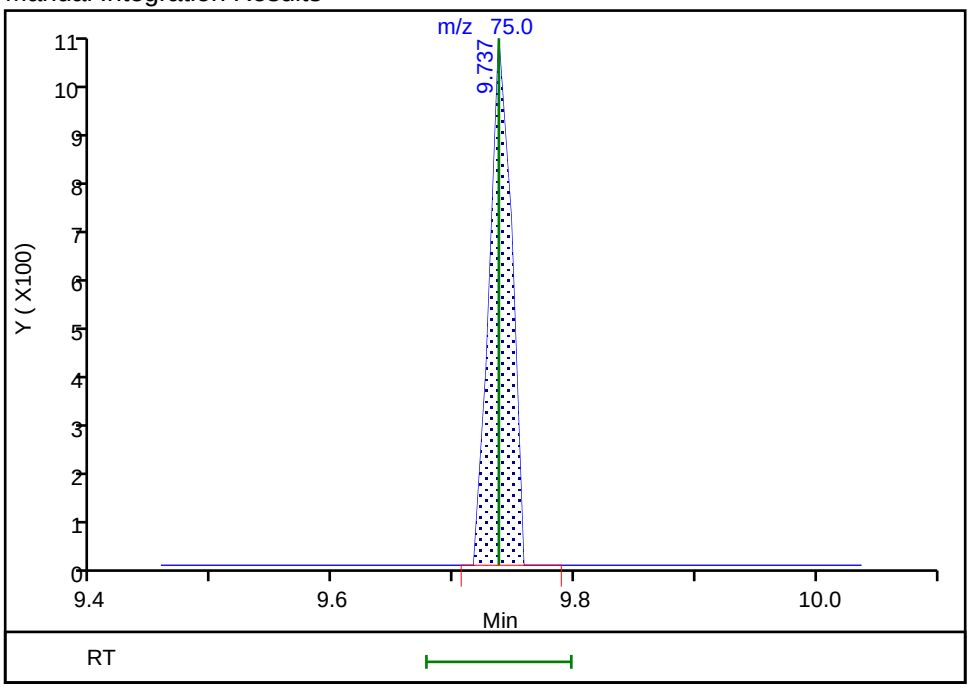
Not Detected
Expected RT: 9.74

Processing Integration Results



Manual Integration Results

RT: 9.74
Area: 1362
Amount: 0.449087
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:20:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

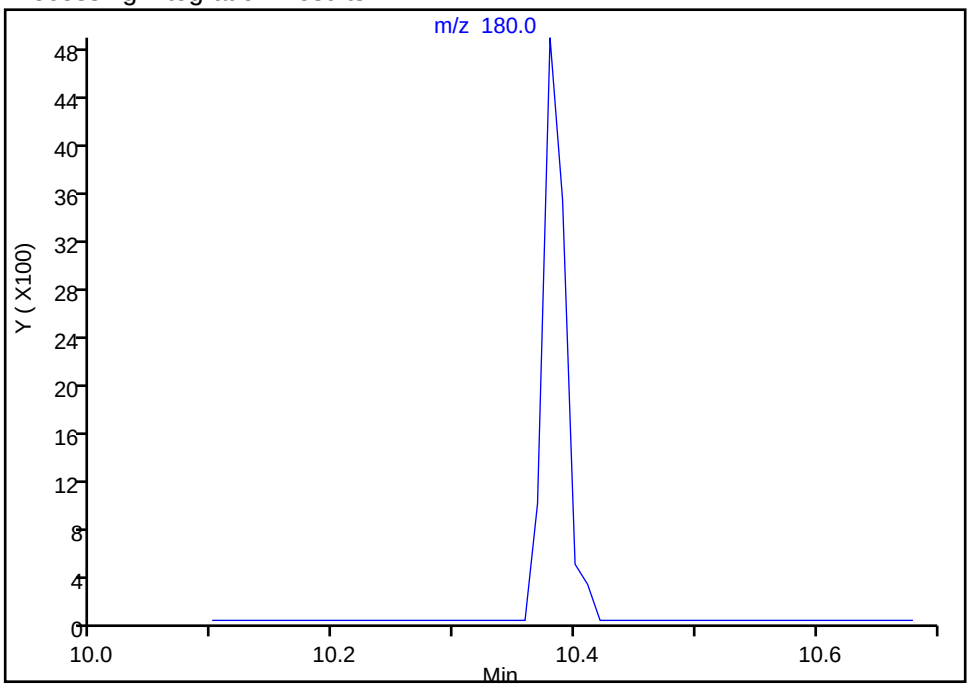
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7405.D
Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

119 1,2,4-Trichlorobenzene, CAS: 120-82-1

Signal: 1

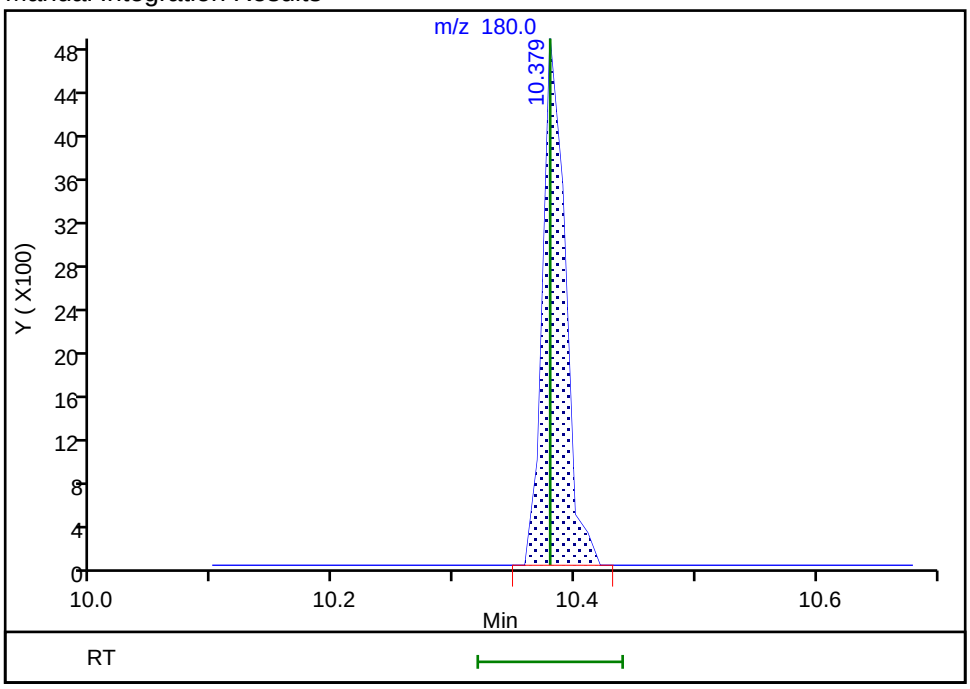
Not Detected
Expected RT: 10.38

Processing Integration Results



Manual Integration Results

RT: 10.38
Area: 6230
Amount: 0.396359
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:21:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

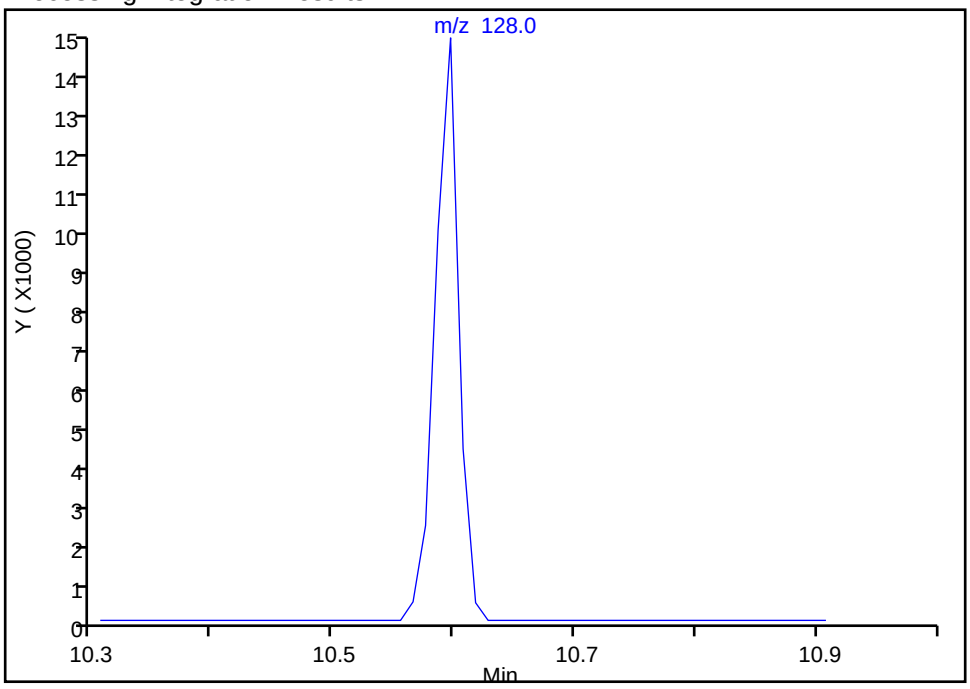
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Injection Date: 10-Oct-2020 13:02:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

121 Naphthalene, CAS: 91-20-3

Signal: 1

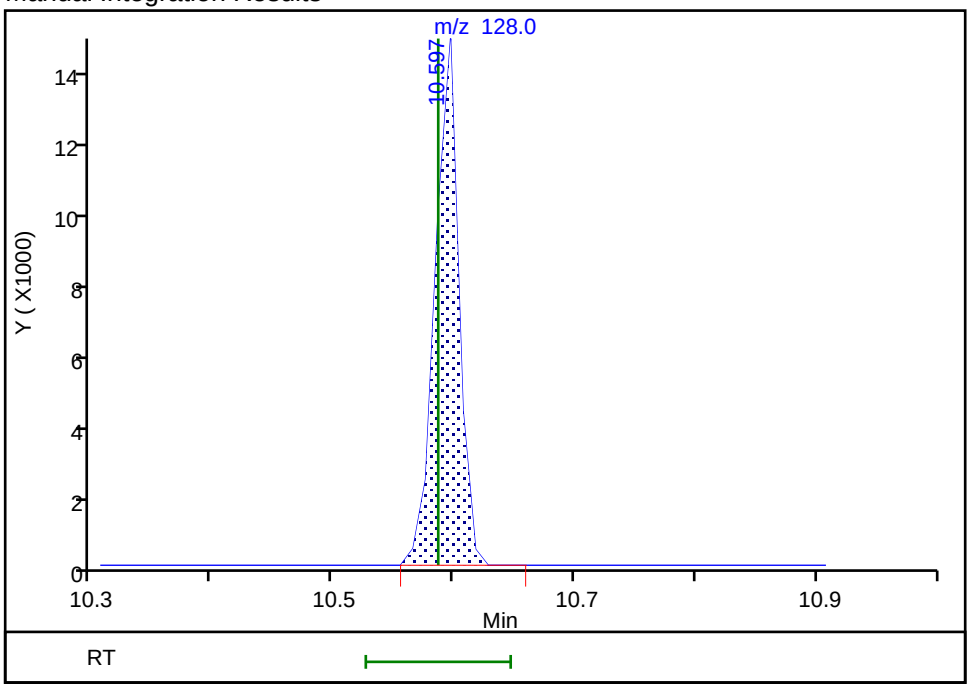
Not Detected
Expected RT: 10.59

Processing Integration Results



Manual Integration Results

RT: 10.60
Area: 19287
Amount: 0.394569
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:21:11
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7406.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 10-Oct-2020 13:26:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 480-0094036-010
Operator ID: LH Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Oct-2020 11:24:02 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1651

First Level Reviewer: HillL Date: 11-Oct-2020 11:23:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.597	4.597	0.000	98	177165	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.887	6.887	0.000	89	620507	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	97	309164	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.130	4.131	-0.001	92	198733	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.379	4.379	0.000	0	275004	25.0	24.8	
$ 6 Toluene-d8 (Surr)	98	5.768	5.768	0.000	94	731401	25.0	24.4	
$ 7 4-Bromofluorobenzene (Surr)	174	7.809	7.809	0.000	0	214872	25.0	24.8	
11 Dichlorodifluoromethane	85	1.104	1.115	-0.011	41	10604	1.00	0.9015	
13 Chloromethane	50	1.260	1.260	0.000	98	21318	1.00	1.08	
151 Butadiene	54	1.322	1.333	-0.011	86	16213	1.00	0.9795	
14 Vinyl chloride	62	1.343	1.343	0.000	97	16542	1.00	1.02	
15 Bromomethane	94	1.581	1.581	0.000	96	7884	1.00	1.04	M
16 Chloroethane	64	1.633	1.633	0.000	96	8382	1.00	0.9809	M
18 Dichlorofluoromethane	67	1.830	1.840	-0.010	96	19177	1.00	1.01	M
17 Trichlorofluoromethane	101	1.851	1.851	0.000	83	15407	1.00	0.9379	
19 Ethyl ether	59	2.068	2.068	0.000	78	10717	1.00	0.9567	
21 Acrolein	56	2.234	2.234	0.000	98	8138	5.00	4.73	M
22 1,1-Dichloroethene	96	2.265	2.265	0.000	89	7629	1.00	0.8820	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.275	2.276	-0.001	56	8074	1.00	0.8567	
23 Acetone	43	2.379	2.379	0.000	91	29809	5.00	5.23	
24 Iodomethane	142	2.410	2.410	0.000	95	14406	1.00	0.8930	
25 Carbon disulfide	76	2.441	2.441	0.000	99	28601	1.00	0.9048	
27 3-Chloro-1-propene	41	2.597	2.597	0.000	87	20880	1.00	0.99	
28 Methyl acetate	43	2.648	2.638	0.010	98	26064	2.00	1.92	
30 Methylene Chloride	84	2.731	2.732	-0.001	90	15926	1.00	0.8128	
31 2-Methyl-2-propanol	59	2.918	2.897	0.021	53	23464	10.0	9.51	
33 Methyl tert-butyl ether	73	2.918	2.918	0.000	89	30410	1.00	0.9517	
32 trans-1,2-Dichloroethene	96	2.918	2.928	-0.010	89	7962	1.00	0.8212	
34 Acrylonitrile	53	2.980	2.980	0.000	100	74564	10.0	10.2	
35 Hexane	57	3.084	3.084	0.000	91	17880	1.00	0.8771	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.281	3.281	0.000	96	19331	1.00	0.9019	
39 Vinyl acetate	43	3.322	3.322	0.000	97	53307	2.00	1.94	
42 2,2-Dichloropropane	77	3.726	3.726	0.000	90	13222	1.00	0.8860	
43 cis-1,2-Dichloroethene	96	3.747	3.747	0.000	87	9906	1.00	0.9152	
44 2-Butanone (MEK)	43	3.778	3.778	0.000	97	42223	5.00	4.77	
47 Chlorobromomethane	128	3.944	3.944	0.000	92	5317	1.00	0.9757	
48 Tetrahydrofuran	42	3.954	3.954	0.000	94	15111	2.00	2.33	
50 Chloroform	83	4.006	4.006	0.000	95	17704	1.00	1.00	
51 1,1,1-Trichloroethane	97	4.099	4.099	0.000	75	13243	1.00	0.8904	
52 Cyclohexane	56	4.099	4.099	0.000	88	20798	1.00	0.8484	
53 Carbon tetrachloride	117	4.213	4.213	0.000	88	10260	1.00	0.7557	
54 1,1-Dichloropropene	75	4.213	4.213	0.000	87	11954	1.00	0.8359	
55 Benzene	78	4.379	4.379	0.000	45	35203	1.00	0.9064	
56 Isobutyl alcohol	43	4.410	4.410	0.000	91	21955	25.0	22.7	
57 1,2-Dichloroethane	62	4.441	4.441	0.000	94	16590	1.00	0.9460	
59 n-Heptane	43	4.514	4.514	0.000	93	20343	1.00	0.8741	
60 Trichloroethene	95	4.866	4.866	0.000	94	9949	1.00	0.9776	
62 Methylcyclohexane	83	4.959	4.960	-0.001	96	14559	1.00	0.8208	
63 1,2-Dichloropropane	63	5.053	5.053	0.000	88	10475	1.00	0.8718	
65 Dibromomethane	93	5.167	5.157	0.011	85	5192	1.00	0.8333	
66 1,4-Dioxane	88	5.167	5.167	0.000	0	3128	20.0	16.9	M
67 Dichlorobromomethane	83	5.281	5.281	0.000	93	10866	1.00	0.8915	
69 2-Chloroethyl vinyl ether	63	5.498	5.488	0.010	91	8041	1.00	0.8671	
71 cis-1,3-Dichloropropene	75	5.592	5.602	-0.010	91	13696	1.00	0.8429	
72 4-Methyl-2-pentanone (MIBK)	43	5.706	5.706	0.000	98	84874	5.00	4.65	
73 Toluene	92	5.820	5.809	0.011	97	22214	1.00	0.8810	
75 trans-1,3-Dichloropropene	75	6.027	6.027	0.000	95	12721	1.00	0.8178	
77 Ethyl methacrylate	69	6.058	6.058	0.000	93	13186	1.00	0.9161	
78 1,1,2-Trichloroethane	83	6.172	6.172	0.000	93	7764	1.00	0.9805	
79 Tetrachloroethene	166	6.213	6.214	-0.001	92	8305	1.00	0.8373	
80 1,3-Dichloropropane	76	6.296	6.296	0.000	0	15846	1.00	0.9432	M
81 2-Hexanone	43	6.348	6.338	0.010	99	60810	5.00	4.67	
82 Chlorodibromomethane	129	6.472	6.473	-0.001	88	8730	1.00	0.9102	
83 Ethylene Dibromide	107	6.555	6.556	-0.001	98	10212	1.00	1.03	
86 Chlorobenzene	112	6.908	6.908	0.000	93	23319	1.00	0.8553	
88 Ethylbenzene	91	6.970	6.970	0.000	98	38677	1.00	0.8248	
89 1,1,1,2-Tetrachloroethane	131	6.980	6.980	0.000	90	8314	1.00	0.8578	
90 m-Xylene & p-Xylene	106	7.063	7.063	0.000	0	14967	1.00	0.8118	
91 o-Xylene	106	7.374	7.374	0.000	96	15666	1.00	0.8624	
92 Styrene	104	7.395	7.395	0.000	93	25713	1.00	0.8706	
93 Bromoform	173	7.592	7.592	0.000	0	4445	1.00	0.7649	M
95 Isopropylbenzene	105	7.654	7.664	-0.010	97	39906	1.00	0.8885	
97 Bromobenzene	156	7.934	7.934	0.000	96	9751	1.00	0.9314	
98 1,1,2,2-Tetrachloroethane	83	7.975	7.975	0.000	95	12305	1.00	0.9376	
99 N-Propylbenzene	91	7.985	7.986	-0.001	98	48629	1.00	0.9155	
100 1,2,3-Trichloropropane	110	8.006	7.996	0.010	91	4713	1.00	1.08	
101 trans-1,4-Dichloro-2-butene	53	8.006	8.006	0.000	73	6197	1.00	0.99	
105 2-Chlorotoluene	126	8.079	8.079	0.000	95	10416	1.00	0.9683	a
104 1,3,5-Trimethylbenzene	105	8.131	8.131	0.000	93	34875	1.00	0.9144	
102 4-Chlorotoluene	91	8.162	8.162	0.000	98	35490	1.00	0.9498	
106 tert-Butylbenzene	134	8.390	8.390	0.000	92	7609	1.00	0.9452	
107 1,2,4-Trimethylbenzene	105	8.431	8.431	0.000	97	34138	1.00	0.8825	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.566	8.566	0.000	94	41663	1.00	0.8508	
111 4-Isopropyltoluene	119	8.680	8.680	0.000	95	35333	1.00	0.8281	
110 1,3-Dichlorobenzene	146	8.690	8.680	0.010	85	18562	1.00	0.8763	
113 1,4-Dichlorobenzene	146	8.763	8.763	0.000	92	20613	1.00	0.9508	
115 n-Butylbenzene	91	9.022	9.022	0.000	96	32634	1.00	0.8565	
116 1,2-Dichlorobenzene	146	9.074	9.074	0.000	94	21478	1.00	0.9892	
117 1,2-Dibromo-3-Chloropropane	75	9.737	9.737	0.000	77	2892	1.00	0.99	
119 1,2,4-Trichlorobenzene	180	10.379	10.379	0.000	93	14335	1.00	0.9511	
120 Hexachlorobutadiene	225	10.493	10.493	0.000	90	5932	1.00	0.8714	
121 Naphthalene	128	10.597	10.587	0.010	98	43005	1.00	0.9175	
122 1,2,3-Trichlorobenzene	180	10.794	10.794	0.000	95	15245	1.00	0.9888	
S 126 Xylenes, Total	1				0			1.67	
S 125 Total BTEX	1				0			4.29	
S 124 1,2-Dichloroethene, Total	1				0			1.74	
S 123 1,3-Dichloropropene, Total	1				0			1.66	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00195	Amount Added:	1.00	Units: uL	
GAS CORP mix_00421	Amount Added:	1.00	Units: uL	
T_8260_Surr_00210	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00249	Amount Added:	1.00	Units: uL	Run Reagent

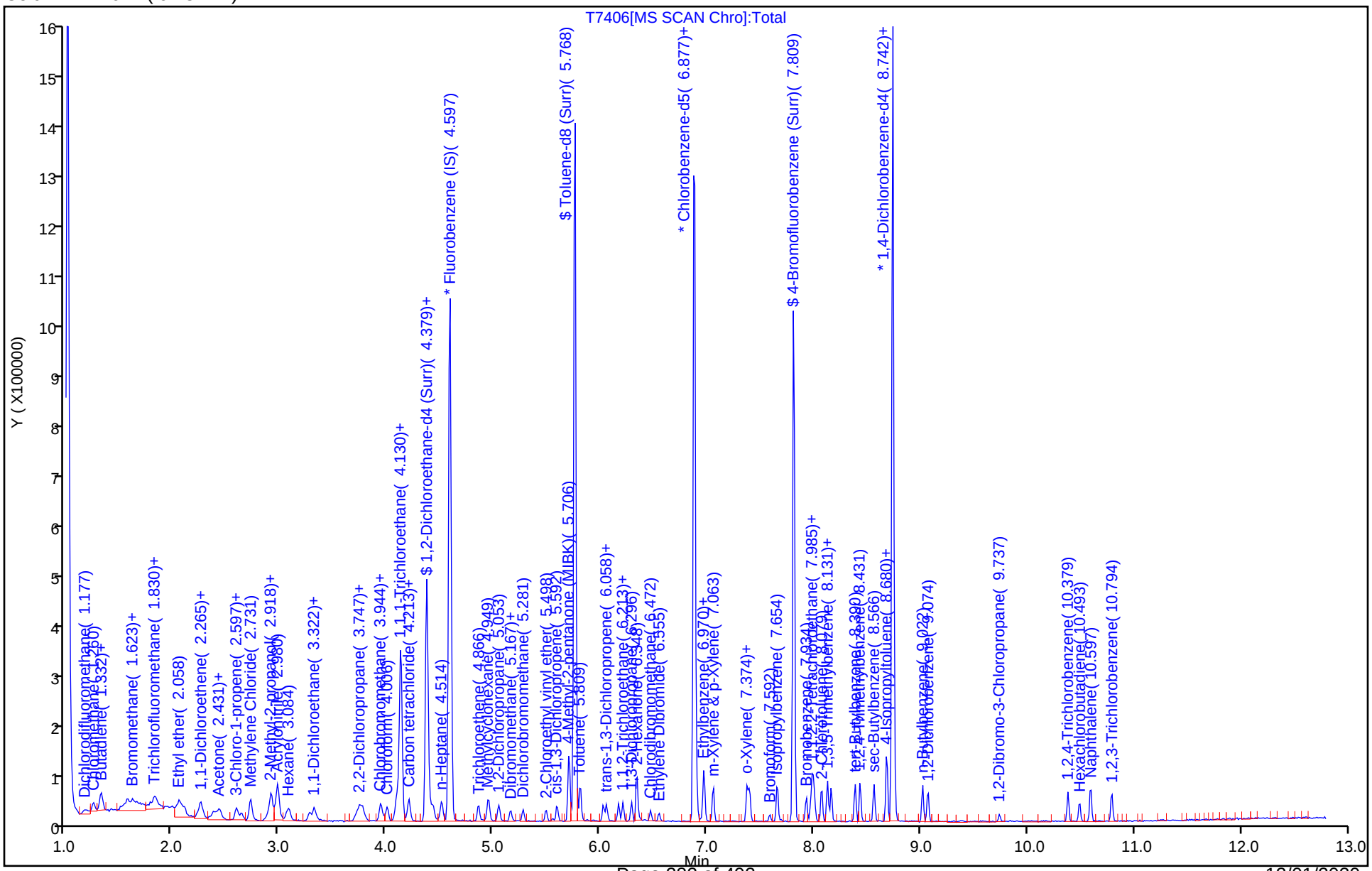
Report Date: 12-Oct-2020 11:24:04 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7406.D

Injection Date:	10-Oct-2020 13:26:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

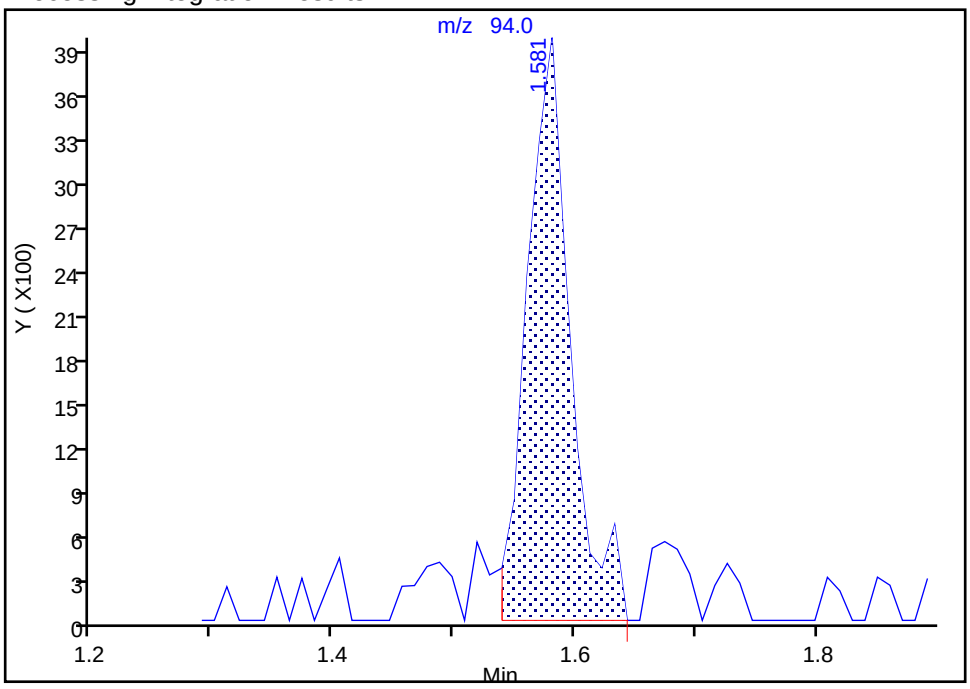
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Injection Date: 10-Oct-2020 13:26:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

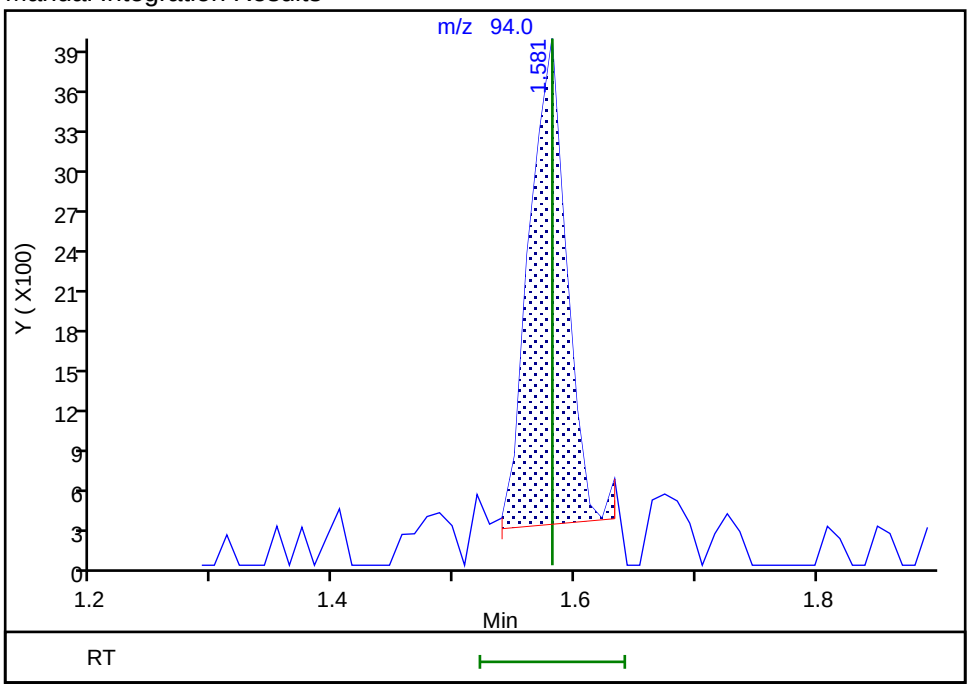
Processing Integration Results

RT: 1.58
Area: 9821
Amount: 1.229344
Amount Units: ug/L



Manual Integration Results

RT: 1.58
Area: 7884
Amount: 1.036869
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:21:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

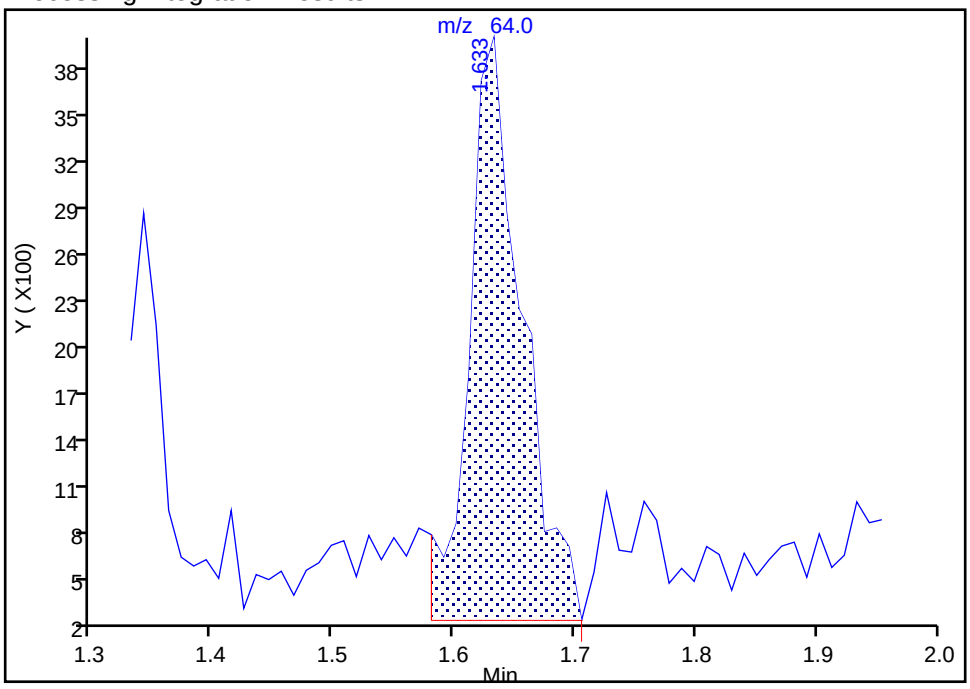
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Injection Date: 10-Oct-2020 13:26:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

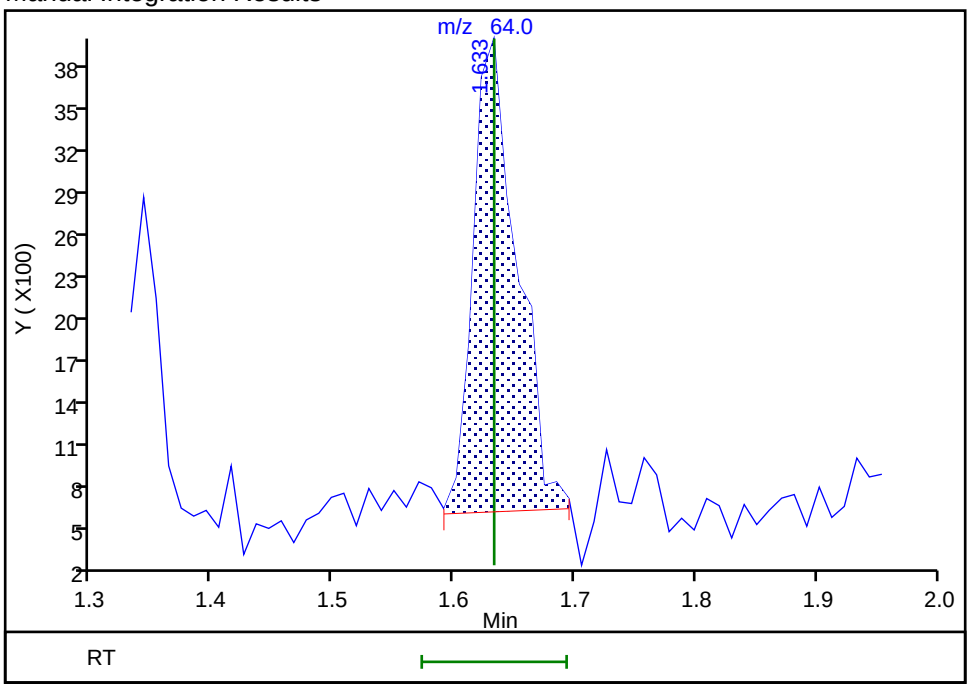
Processing Integration Results

RT: 1.63
Area: 11301
Amount: 1.236097
Amount Units: ug/L



Manual Integration Results

RT: 1.63
Area: 8382
Amount: 0.980946
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:22:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

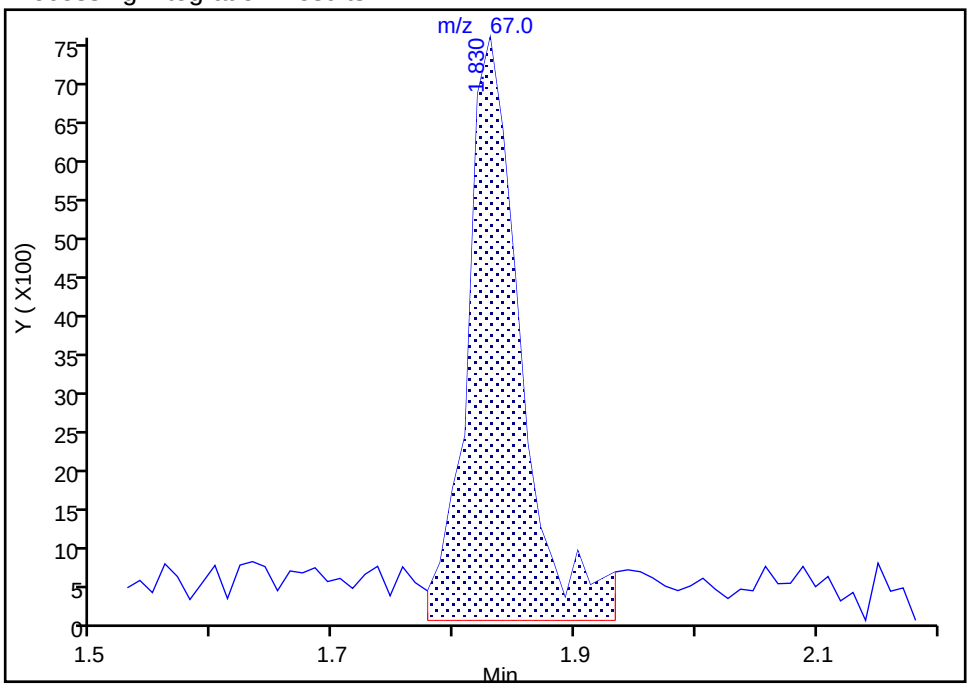
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Injection Date: 10-Oct-2020 13:26:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

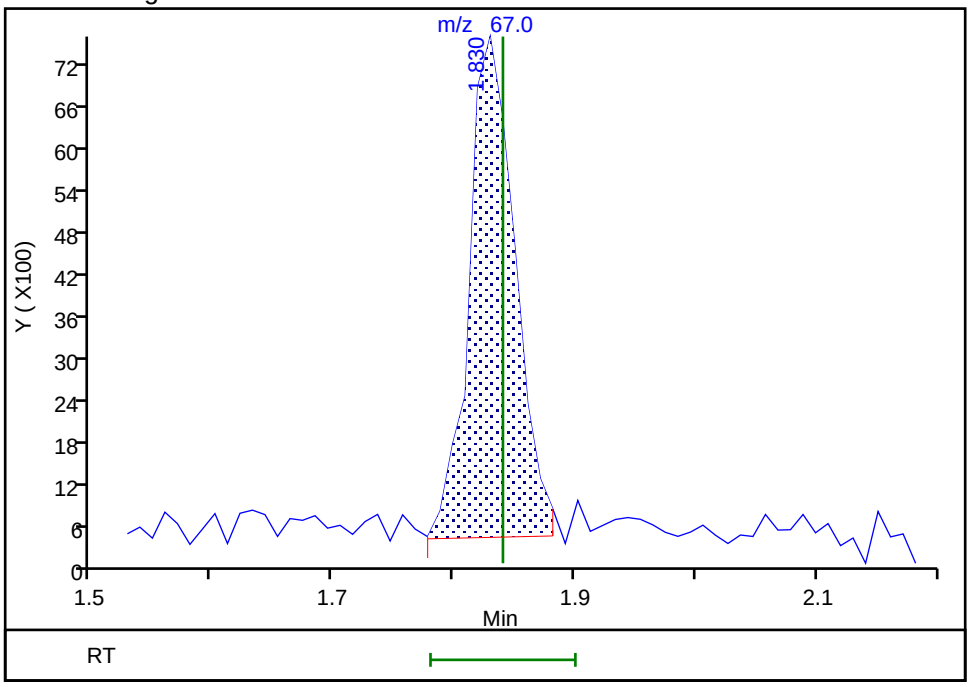
Processing Integration Results

RT: 1.83
Area: 23487
Amount: 1.181389
Amount Units: ug/L



Manual Integration Results

RT: 1.83
Area: 19177
Amount: 1.012979
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:22:15
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

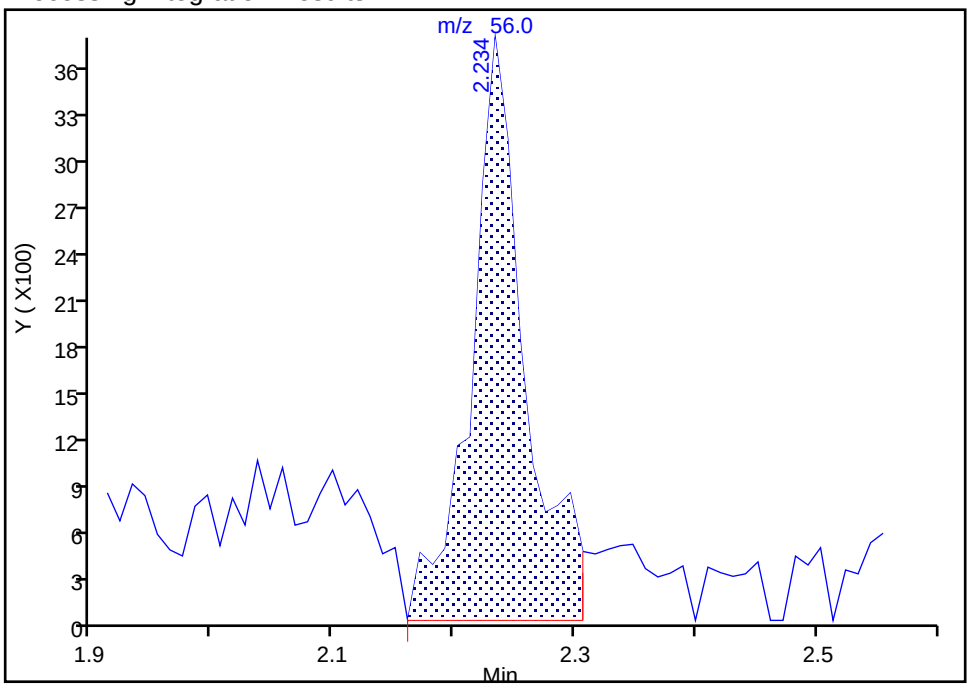
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Injection Date: 10-Oct-2020 13:26:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

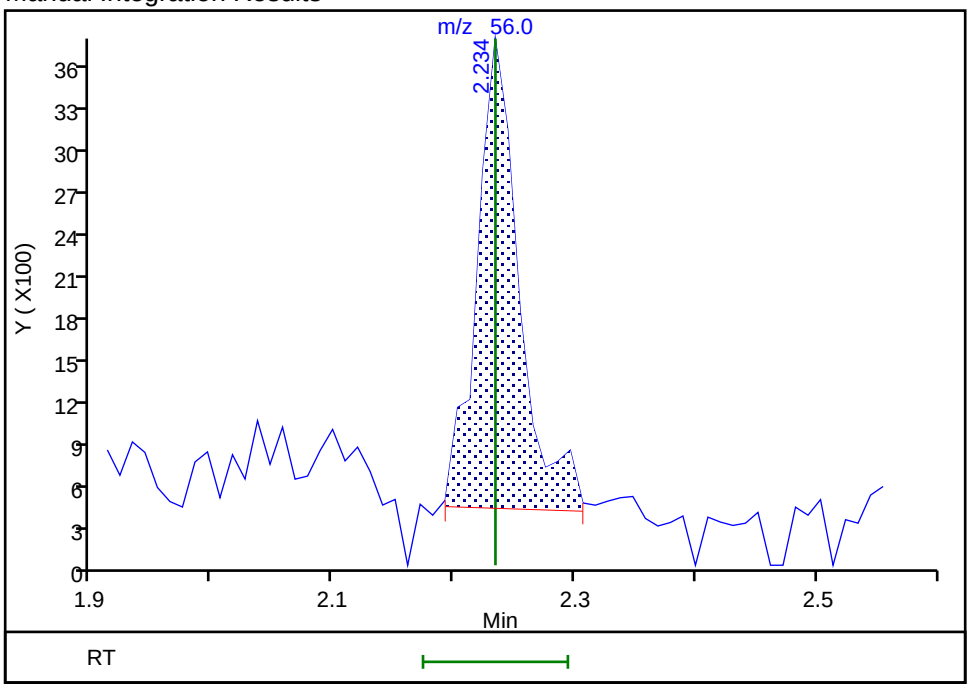
Processing Integration Results

RT: 2.23
Area: 11619
Amount: 6.180010
Amount Units: ug/L



Manual Integration Results

RT: 2.23
Area: 8138
Amount: 4.725407
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:22:41
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

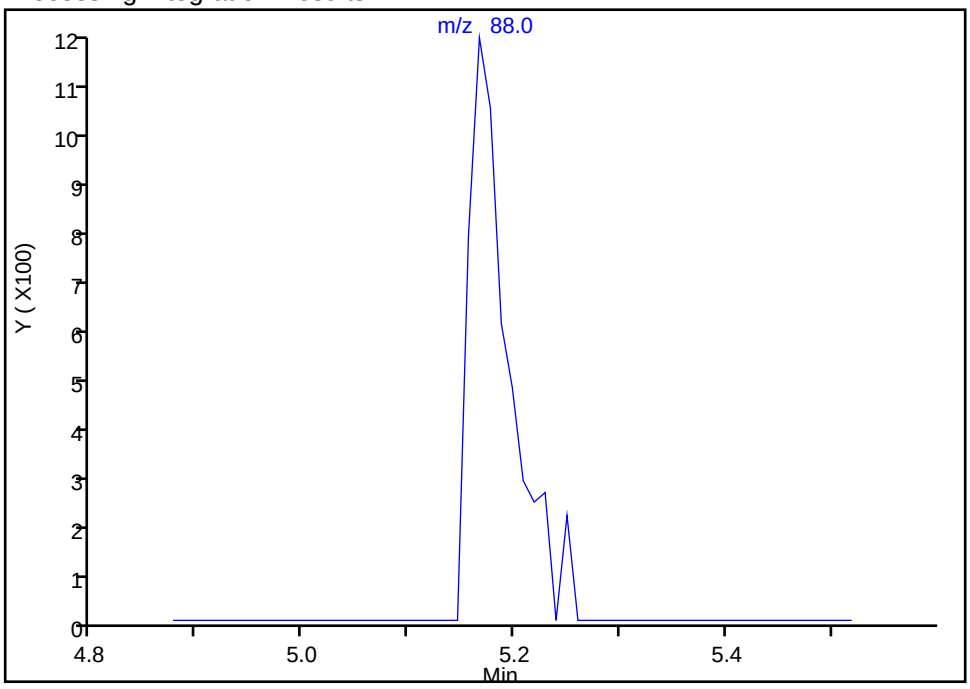
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Injection Date: 10-Oct-2020 13:26:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

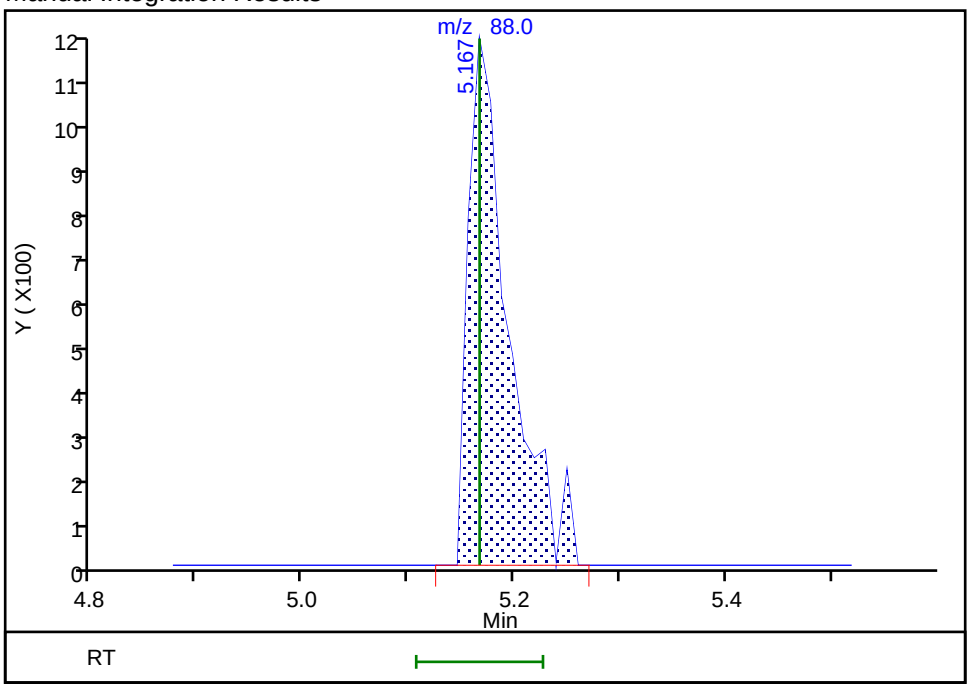
Not Detected
Expected RT: 5.17

Processing Integration Results



Manual Integration Results

RT: 5.17
Area: 3128
Amount: 16.940503
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:23:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

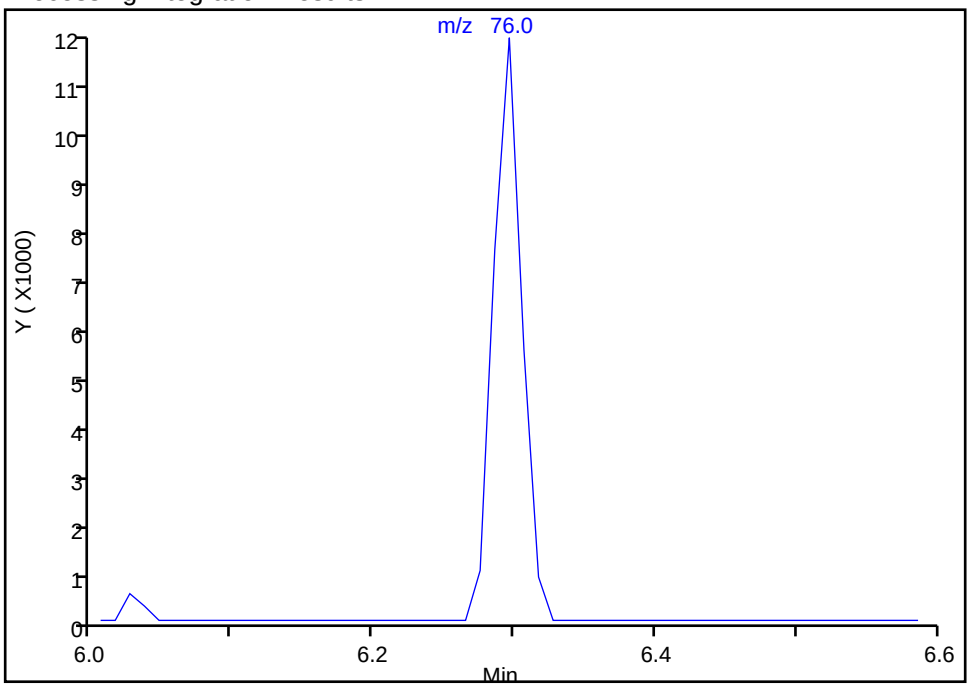
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Injection Date: 10-Oct-2020 13:26:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

80 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

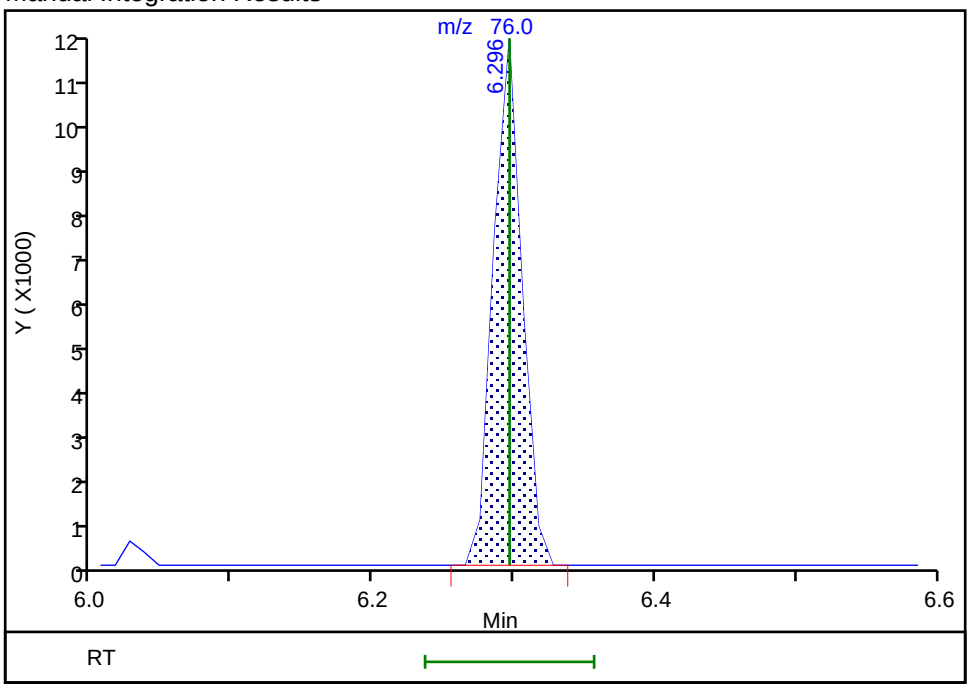
Not Detected
Expected RT: 6.30

Processing Integration Results



Manual Integration Results

RT: 6.30
Area: 15846
Amount: 0.943185
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:23:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

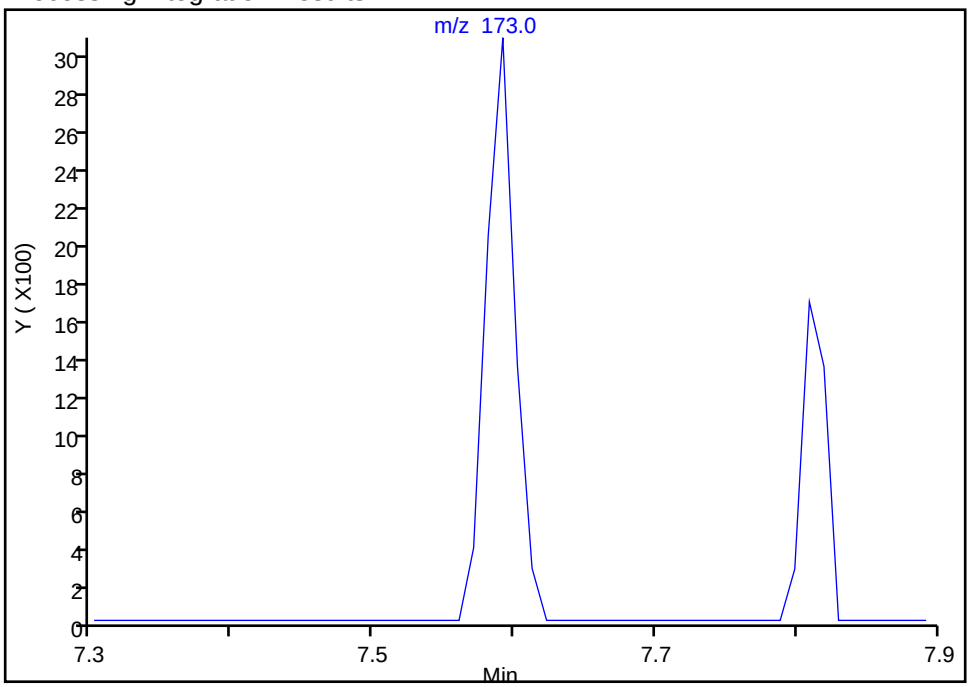
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Injection Date: 10-Oct-2020 13:26:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

93 Bromoform, CAS: 75-25-2

Signal: 1

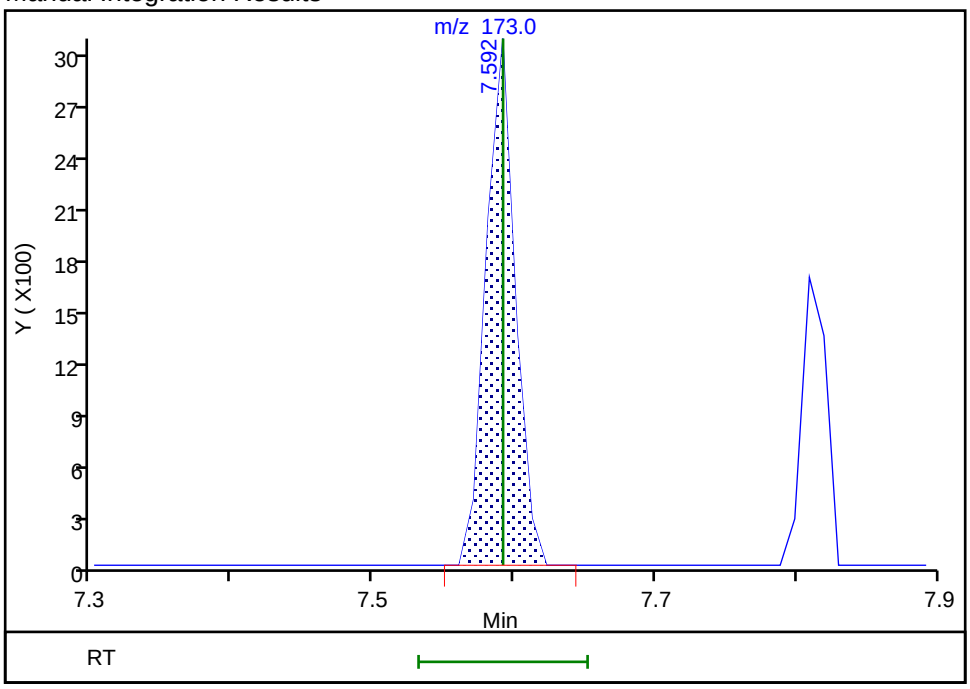
Not Detected
Expected RT: 7.59

Processing Integration Results



Manual Integration Results

RT: 7.59
Area: 4445
Amount: 0.764941
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:23:28
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

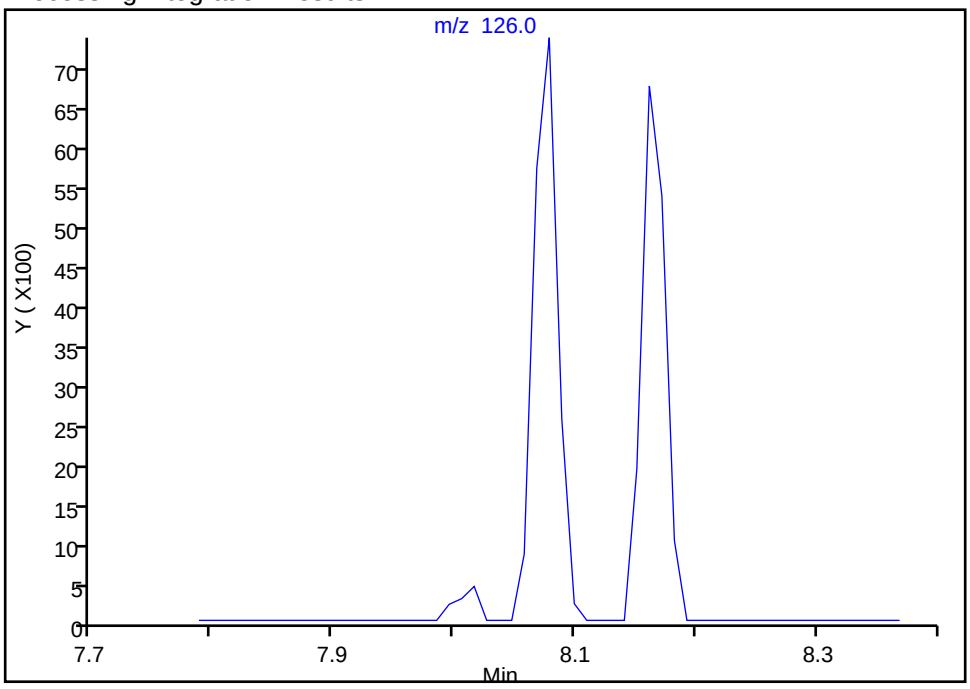
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Injection Date: 10-Oct-2020 13:26:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

105 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

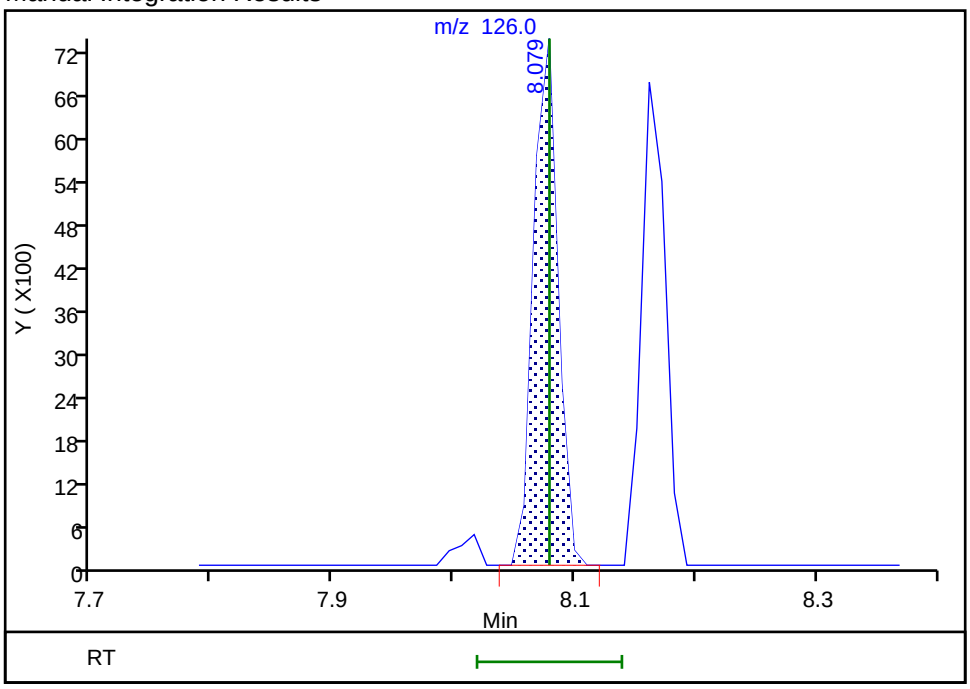
Not Detected
Expected RT: 8.08

Processing Integration Results



Manual Integration Results

RT: 8.08
Area: 10416
Amount: 0.968293
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:23:36
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7407.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 10-Oct-2020 13:50:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 2
Misc. Info.: 480-0094036-011
Operator ID: LH Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Oct-2020 11:24:11 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1651

First Level Reviewer: HillL Date: 11-Oct-2020 11:25:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.586	4.597	-0.011	97	173180	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.877	6.887	-0.010	89	596718	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	97	317967	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.130	4.131	-0.001	92	195928	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.369	4.379	-0.010	0	273656	25.0	25.3	
$ 6 Toluene-d8 (Surr)	98	5.757	5.768	-0.011	94	725989	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr)	174	7.809	7.809	0.000	0	204871	25.0	24.6	
11 Dichlorodifluoromethane	85	1.084	1.115	-0.031	78	24622	2.00	2.14	
13 Chloromethane	50	1.249	1.260	-0.011	99	43270	2.00	2.24	
151 Butadiene	54	1.312	1.333	-0.021	90	35516	2.00	2.20	
14 Vinyl chloride	62	1.322	1.343	-0.021	70	33115	2.00	2.08	
15 Bromomethane	94	1.560	1.581	-0.021	95	15255	2.00	2.05	M
16 Chloroethane	64	1.623	1.633	-0.010	96	16549	2.00	1.98	M
18 Dichlorofluoromethane	67	1.819	1.840	-0.021	96	35170	2.00	1.90	M
17 Trichlorofluoromethane	101	1.819	1.851	-0.032	60	34122	2.00	2.13	
19 Ethyl ether	59	2.058	2.068	-0.010	92	23559	2.00	2.15	
21 Acrolein	56	2.224	2.234	-0.010	98	15710	10.0	9.33	M
22 1,1-Dichloroethene	96	2.255	2.265	-0.010	94	19011	2.00	2.25	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.265	2.276	-0.011	58	20650	2.00	2.24	
23 Acetone	43	2.369	2.379	-0.010	89	61196	10.0	11.0	
24 Iodomethane	142	2.400	2.410	-0.010	99	33870	2.00	2.15	
25 Carbon disulfide	76	2.431	2.441	-0.010	100	67256	2.00	2.18	
27 3-Chloro-1-propene	41	2.586	2.597	-0.011	90	45190	2.00	2.19	
28 Methyl acetate	43	2.628	2.638	-0.010	100	55713	4.00	4.19	
30 Methylene Chloride	84	2.721	2.732	-0.011	92	27718	2.00	2.07	
31 2-Methyl-2-propanol	59	2.897	2.897	0.000	55	48004	20.0	19.9	
33 Methyl tert-butyl ether	73	2.908	2.918	-0.010	92	65243	2.00	2.09	
32 trans-1,2-Dichloroethene	96	2.918	2.928	-0.010	91	20592	2.00	2.17	
34 Acrylonitrile	53	2.970	2.980	-0.010	98	147250	20.0	20.7	
35 Hexane	57	3.073	3.084	-0.011	95	44264	2.00	2.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.281	3.281	0.000	96	44725	2.00	2.13	
39 Vinyl acetate	43	3.312	3.322	-0.010	97	107604	4.00	4.01	
42 2,2-Dichloropropane	77	3.716	3.726	-0.010	86	30995	2.00	2.12	
43 cis-1,2-Dichloroethene	96	3.747	3.747	0.000	89	22102	2.00	2.09	
44 2-Butanone (MEK)	43	3.768	3.778	-0.010	91	87727	10.0	10.1	
47 Chlorobromomethane	128	3.934	3.944	-0.010	89	11412	2.00	2.14	
48 Tetrahydrofuran	42	3.944	3.954	-0.010	89	27649	4.00	4.36	
50 Chloroform	83	4.006	4.006	0.000	96	38088	2.00	2.20	
51 1,1,1-Trichloroethane	97	4.099	4.099	0.000	73	32338	2.00	2.22	
52 Cyclohexane	56	4.099	4.099	0.000	90	54349	2.00	2.27	
53 Carbon tetrachloride	117	4.203	4.213	-0.010	84	29165	2.00	2.20	
54 1,1-Dichloropropene	75	4.203	4.213	-0.010	89	29492	2.00	2.11	
55 Benzene	78	4.369	4.379	-0.010	54	79033	2.00	2.08	
56 Isobutyl alcohol	43	4.400	4.410	-0.010	91	47195	50.0	50.0	
57 1,2-Dichloroethane	62	4.431	4.441	-0.010	96	35395	2.00	2.06	
59 n-Heptane	43	4.514	4.514	0.000	96	51388	2.00	2.26	
60 Trichloroethene	95	4.856	4.866	-0.010	96	20972	2.00	2.11	
62 Methylcyclohexane	83	4.949	4.960	-0.011	97	37912	2.00	2.19	
63 1,2-Dichloropropane	63	5.053	5.053	0.000	94	24603	2.00	2.09	
65 Dibromomethane	93	5.156	5.157	0.000	94	12585	2.00	2.07	
66 1,4-Dioxane	88	5.167	5.167	0.000	48	8149	40.0	45.9	
67 Dichlorobromomethane	83	5.281	5.281	0.000	96	24758	2.00	2.08	
69 2-Chloroethyl vinyl ether	63	5.488	5.488	0.000	87	19070	2.00	2.10	
71 cis-1,3-Dichloropropene	75	5.592	5.602	-0.010	91	31895	2.00	2.01	
72 4-Methyl-2-pentanone (MIBK)	43	5.706	5.706	0.000	97	180921	10.0	10.3	
73 Toluene	92	5.809	5.809	0.000	98	52617	2.00	2.17	
75 trans-1,3-Dichloropropene	75	6.027	6.027	0.000	95	30820	2.00	2.06	
77 Ethyl methacrylate	69	6.058	6.058	0.000	96	27580	2.00	1.99	
78 1,1,2-Trichloroethane	83	6.172	6.172	0.000	93	16321	2.00	2.14	
79 Tetrachloroethene	166	6.213	6.214	-0.001	93	20170	2.00	2.11	
80 1,3-Dichloropropane	76	6.296	6.296	0.000	95	33963	2.00	2.10	
81 2-Hexanone	43	6.338	6.338	0.000	98	126100	10.0	10.1	
82 Chlorodibromomethane	129	6.472	6.473	-0.001	90	19186	2.00	2.08	
83 Ethylene Dibromide	107	6.555	6.556	-0.001	97	19167	2.00	2.01	
86 Chlorobenzene	112	6.908	6.908	0.000	91	55810	2.00	2.13	
88 Ethylbenzene	91	6.970	6.970	0.000	99	98461	2.00	2.18	
89 1,1,1,2-Tetrachloroethane	131	6.980	6.980	0.000	89	18656	2.00	2.00	
90 m-Xylene & p-Xylene	106	7.063	7.063	0.000	0	38905	2.00	2.19	
91 o-Xylene	106	7.374	7.374	0.000	98	35996	2.00	2.06	
92 Styrene	104	7.395	7.395	0.000	95	59725	2.00	2.10	
93 Bromoform	173	7.592	7.592	0.000	90	11575	2.00	2.07	
95 Isopropylbenzene	105	7.654	7.664	-0.010	97	95293	2.00	2.06	
97 Bromobenzene	156	7.934	7.934	0.000	97	21910	2.00	2.03	
98 1,1,2,2-Tetrachloroethane	83	7.975	7.975	0.000	93	29455	2.00	2.18	
99 N-Propylbenzene	91	7.985	7.986	-0.001	99	116396	2.00	2.13	
100 1,2,3-Trichloropropane	110	7.996	7.996	0.000	89	9574	2.00	2.14	
101 trans-1,4-Dichloro-2-butene	53	8.006	8.006	0.000	75	14404	2.00	2.24	
105 2-Chlorotoluene	126	8.079	8.079	0.000	95	23594	2.00	2.13	
104 1,3,5-Trimethylbenzene	105	8.131	8.131	0.000	94	83566	2.00	2.13	
102 4-Chlorotoluene	91	8.162	8.162	0.000	98	81573	2.00	2.12	
106 tert-Butylbenzene	134	8.390	8.390	0.000	94	16696	2.00	2.02	
107 1,2,4-Trimethylbenzene	105	8.431	8.431	0.000	97	84432	2.00	2.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.566	8.566	0.000	94	106431	2.00	2.11	
111 4-Isopropyltoluene	119	8.680	8.680	0.000	97	91654	2.00	2.09	
110 1,3-Dichlorobenzene	146	8.680	8.680	0.000	72	46588	2.00	2.14	
113 1,4-Dichlorobenzene	146	8.763	8.763	0.000	93	46011	2.00	2.06	
115 n-Butylbenzene	91	9.022	9.022	0.000	98	86010	2.00	2.19	
116 1,2-Dichlorobenzene	146	9.074	9.074	0.000	94	46188	2.00	2.07	
117 1,2-Dibromo-3-Chloropropane	75	9.737	9.737	0.000	74	5865	2.00	1.96	
119 1,2,4-Trichlorobenzene	180	10.379	10.379	0.000	94	30838	2.00	1.99	
120 Hexachlorobutadiene	225	10.493	10.493	0.000	95	14604	2.00	2.09	
121 Naphthalene	128	10.597	10.587	0.010	98	96547	2.00	2.00	
122 1,2,3-Trichlorobenzene	180	10.794	10.794	0.000	94	31953	2.00	2.02	
S 126 Xylenes, Total	1				0			4.25	
S 125 Total BTEX	1				0			10.7	
S 124 1,2-Dichloroethene, Total	1				0			4.26	
S 123 1,3-Dichloropropene, Total	1				0			4.07	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00421	Amount Added:	2.00	Units: uL	
8260 CORP mix_00195	Amount Added:	2.00	Units: uL	
T_8260_Surr_00210	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00249	Amount Added:	1.00	Units: uL	Run Reagent

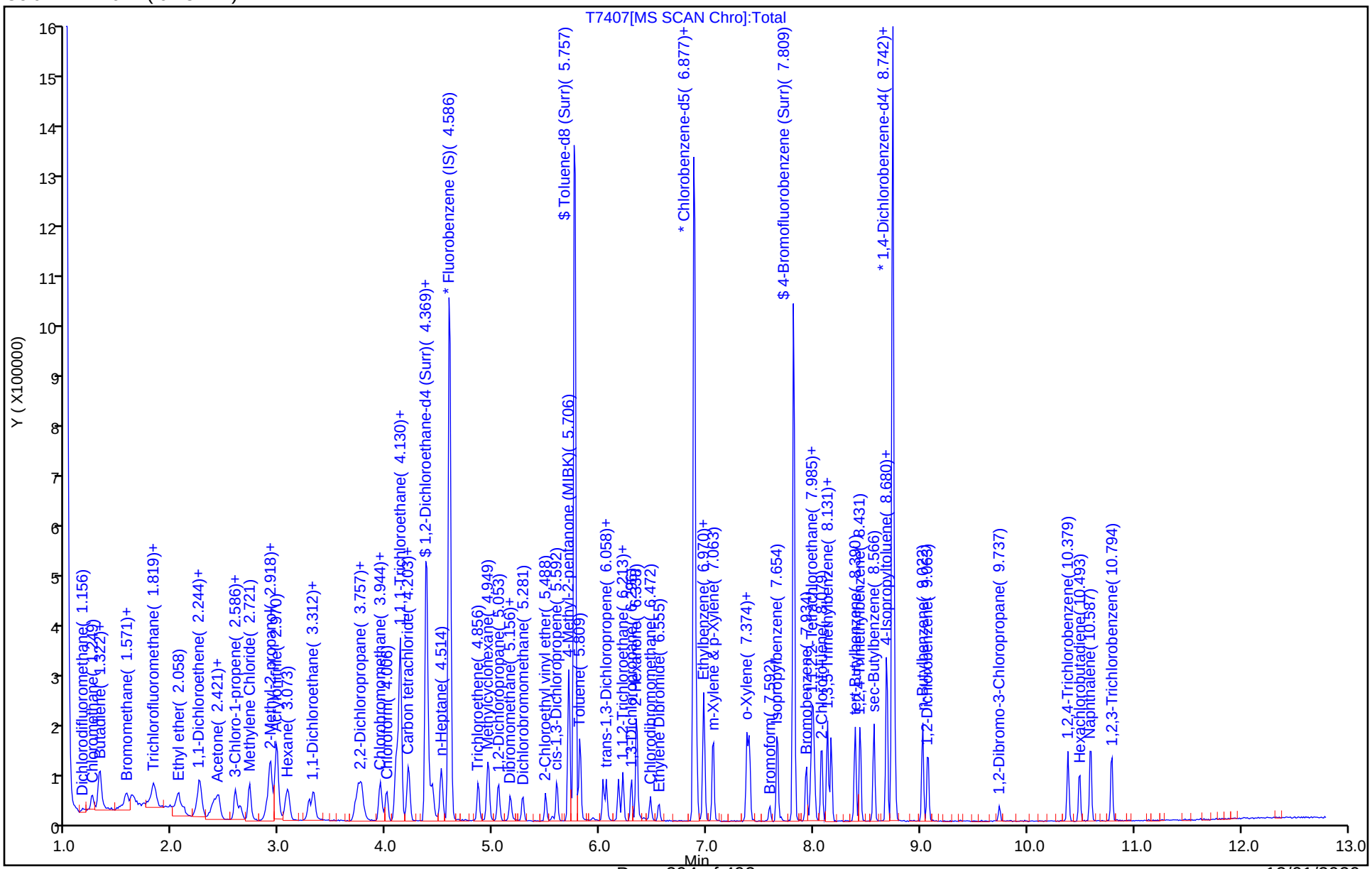
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Eurofins TestAmerica, Buffalo

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Injection Date:	10-Oct-2020 13:50:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

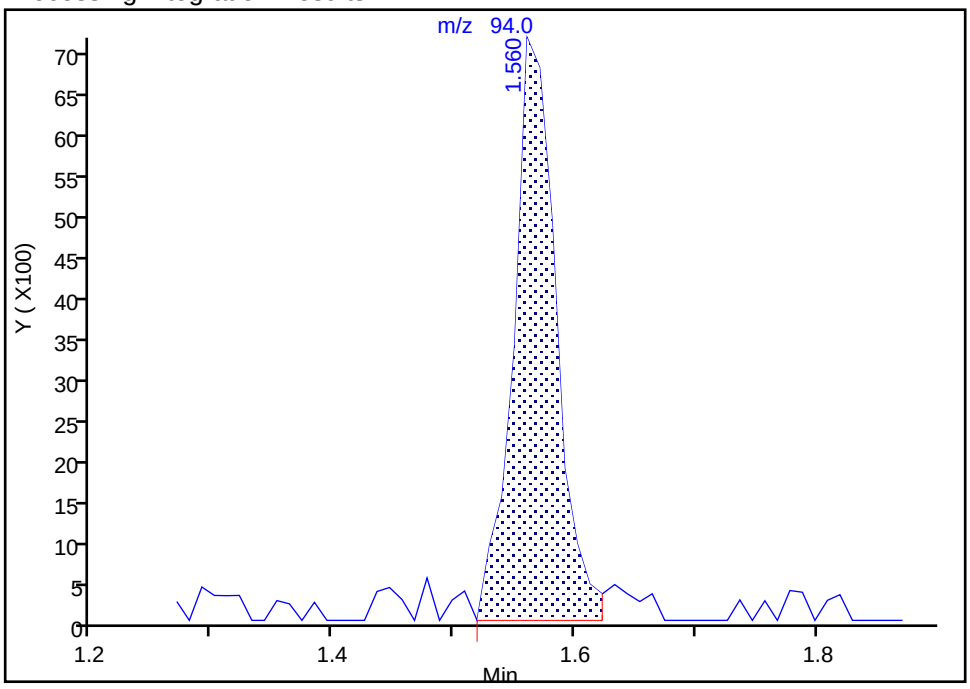
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Injection Date: 10-Oct-2020 13:50:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

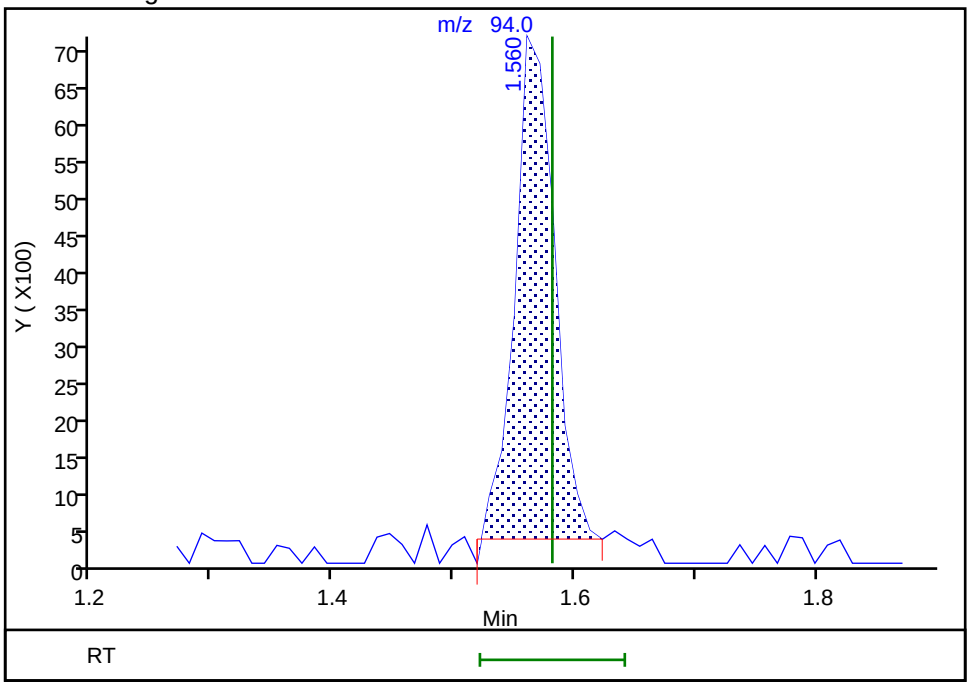
Processing Integration Results

RT: 1.56
Area: 17492
Amount: 2.309954
Amount Units: ug/L



Manual Integration Results

RT: 1.56
Area: 15255
Amount: 2.052436
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:24:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

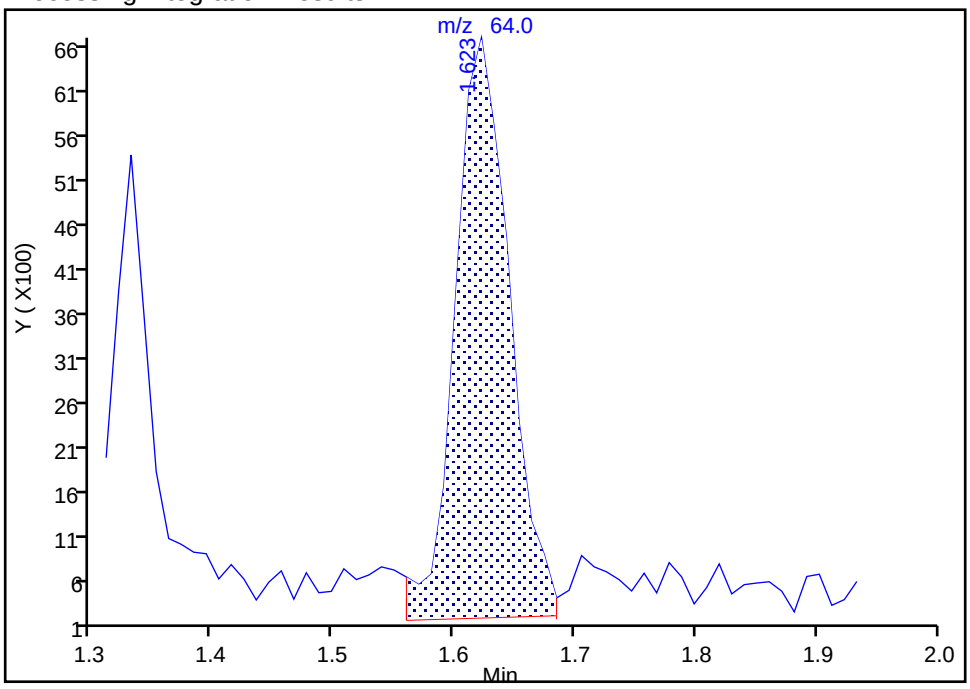
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Injection Date: 10-Oct-2020 13:50:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

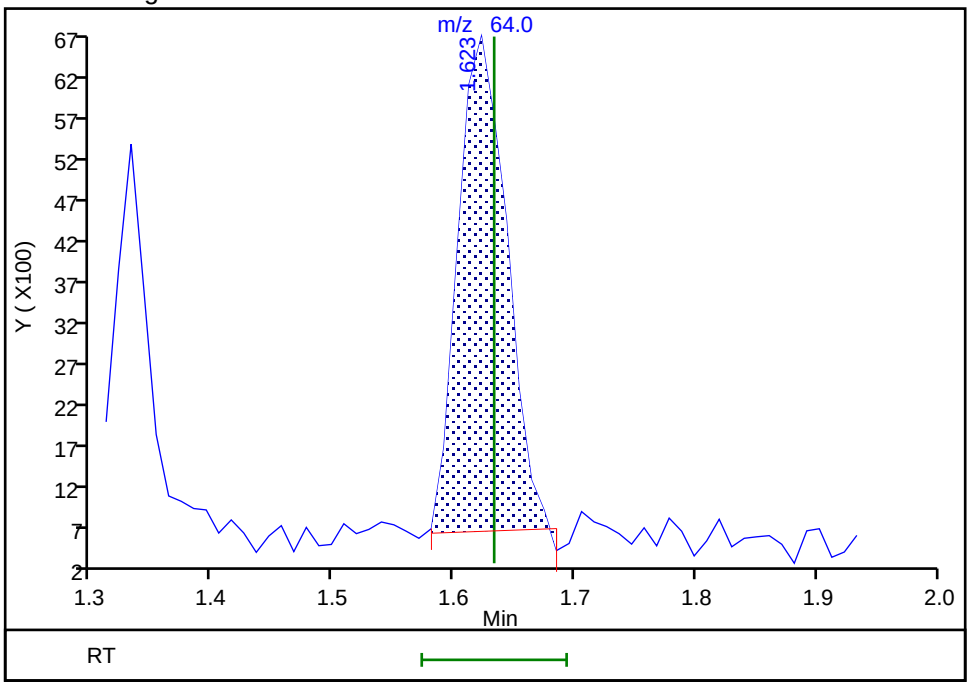
Processing Integration Results

RT: 1.62
Area: 20190
Amount: 2.353099
Amount Units: ug/L



Manual Integration Results

RT: 1.62
Area: 16549
Amount: 1.981297
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:24:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

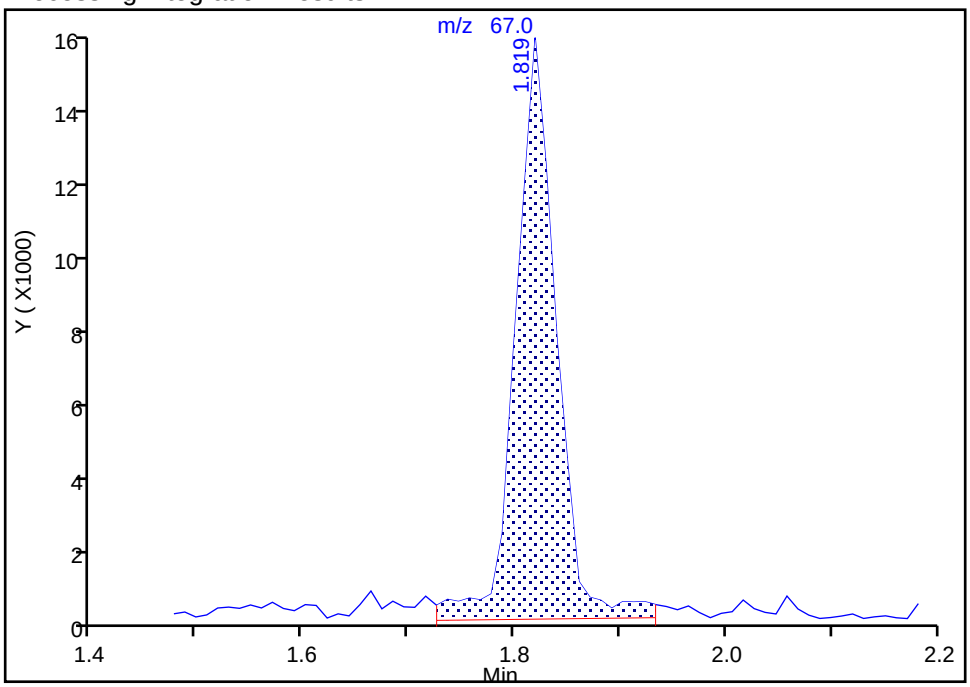
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Injection Date: 10-Oct-2020 13:50:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

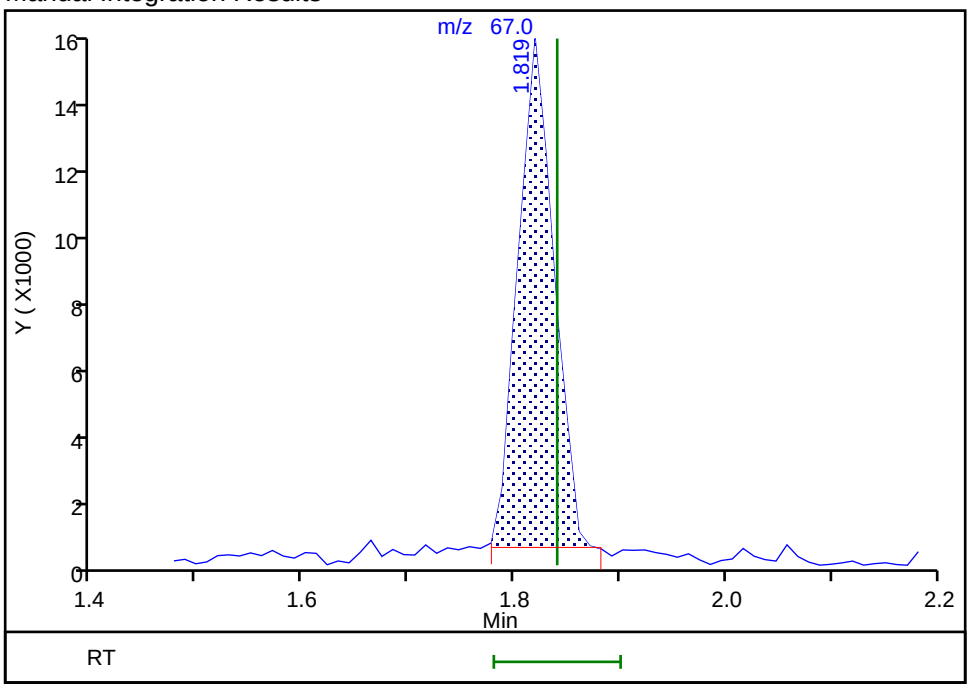
Processing Integration Results

RT: 1.82
Area: 41595
Amount: 2.199976
Amount Units: ug/L



Manual Integration Results

RT: 1.82
Area: 35170
Amount: 1.900520
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:24:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

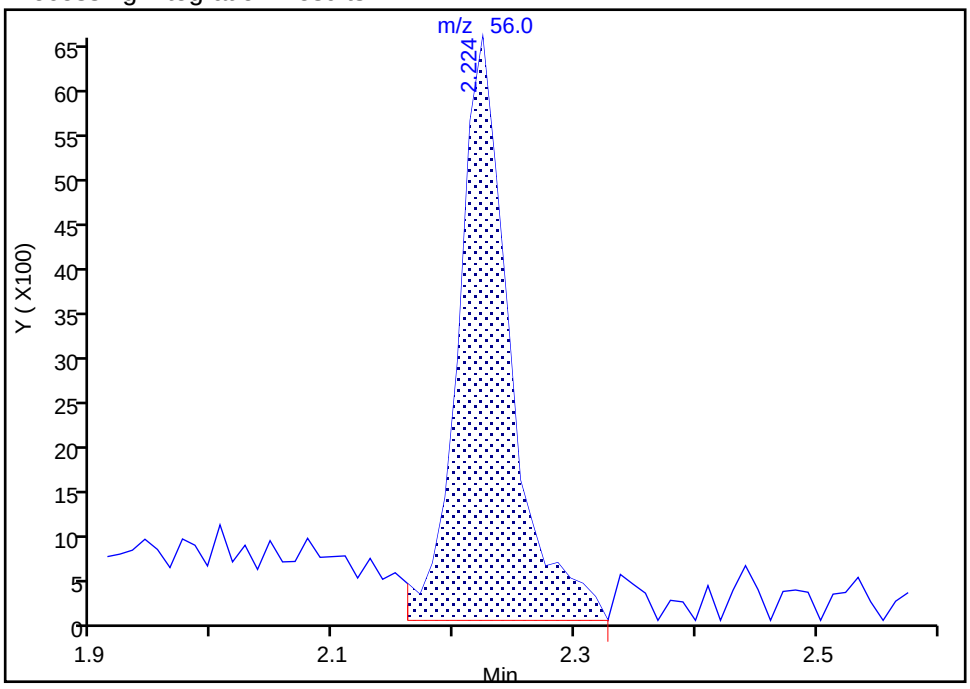
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Injection Date: 10-Oct-2020 13:50:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

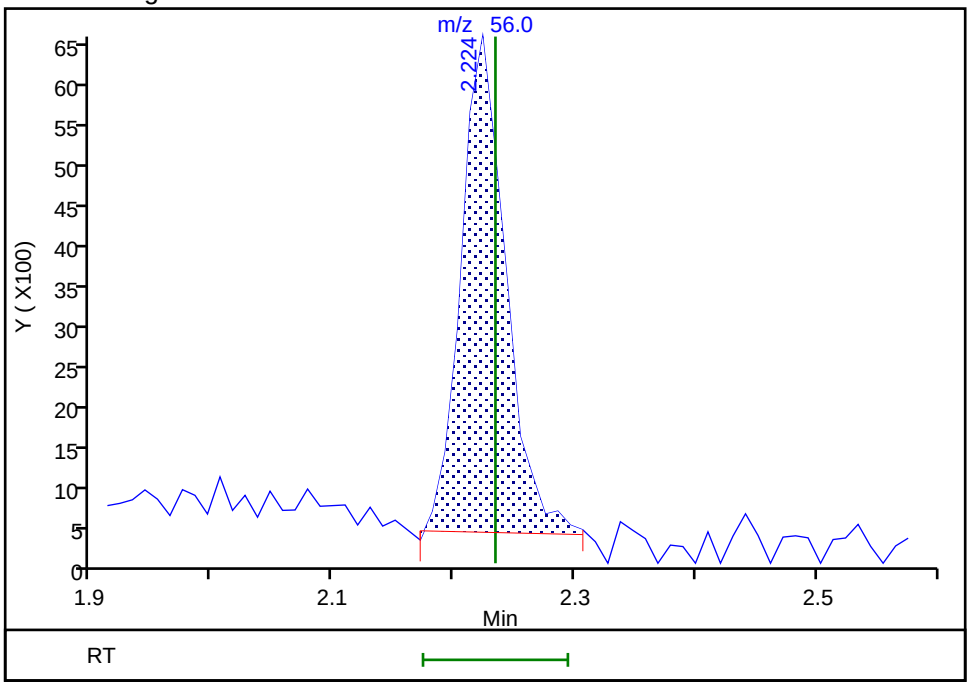
Processing Integration Results

RT: 2.22
Area: 19414
Amount: 11.153723
Amount Units: ug/L



Manual Integration Results

RT: 2.22
Area: 15710
Amount: 9.332068
Amount Units: ug/L



Reviewer: HillL, 11-Oct-2020 11:25:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7408.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 10-Oct-2020 14:13:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 3
Misc. Info.: 480-0094036-012
Operator ID: LH Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Oct-2020 11:24:19 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1651

First Level Reviewer: HillL Date: 11-Oct-2020 11:26:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.597	4.597	0.000	98	178768	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.887	6.887	0.000	88	610775	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	97	321589	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.131	4.131	-0.001	92	192244	25.0	24.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.379	4.379	0.000	0	275612	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	5.768	5.768	0.000	94	740912	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr)	174	7.820	7.809	0.011	0	214379	25.0	25.1	
11 Dichlorodifluoromethane	85	1.115	1.115	0.000	98	63617	5.00	5.36	
13 Chloromethane	50	1.260	1.260	0.000	98	104377	5.00	5.23	
151 Butadiene	54	1.332	1.333	-0.001	91	90268	5.00	5.40	
14 Vinyl chloride	62	1.343	1.343	0.000	97	88383	5.00	5.39	
15 Bromomethane	94	1.581	1.581	0.000	90	41043	5.00	5.35	
16 Chloroethane	64	1.633	1.633	0.000	99	46076	5.00	5.34	
18 Dichlorofluoromethane	67	1.830	1.840	-0.010	96	106027	5.00	5.55	
17 Trichlorofluoromethane	101	1.851	1.851	0.000	71	87198	5.00	5.26	
19 Ethyl ether	59	2.068	2.068	0.000	98	58234	5.00	5.15	
21 Acrolein	56	2.234	2.234	0.000	97	42352	25.0	24.4	
22 1,1-Dichloroethene	96	2.265	2.265	0.000	91	44079	5.00	5.05	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.276	2.276	0.000	56	50717	5.00	5.33	
23 Acetone	43	2.379	2.379	0.000	99	140456	25.0	24.4	
24 Iodomethane	142	2.410	2.410	0.000	99	83311	5.00	5.12	
25 Carbon disulfide	76	2.441	2.441	0.000	100	162919	5.00	5.11	
27 3-Chloro-1-propene	41	2.597	2.597	0.000	90	109117	5.00	5.13	
28 Methyl acetate	43	2.649	2.638	0.011	99	137511	10.0	10.0	
30 Methylene Chloride	84	2.731	2.732	-0.001	94	58602	5.00	5.08	
31 2-Methyl-2-propanol	59	2.908	2.897	0.011	59	123520	50.0	49.6	
33 Methyl tert-butyl ether	73	2.918	2.918	0.000	92	155916	5.00	4.84	
32 trans-1,2-Dichloroethene	96	2.918	2.928	-0.010	91	51828	5.00	5.30	
34 Acrylonitrile	53	2.980	2.980	0.000	98	352794	50.0	48.0	
35 Hexane	57	3.084	3.084	0.000	93	108706	5.00	5.29	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.281	3.281	0.000	96	111673	5.00	5.16	
39 Vinyl acetate	43	3.322	3.322	0.000	97	264196	10.0	9.53	
42 2,2-Dichloropropane	77	3.726	3.726	0.000	91	80364	5.00	5.34	
43 cis-1,2-Dichloroethene	96	3.747	3.747	0.000	87	55610	5.00	5.09	
44 2-Butanone (MEK)	43	3.778	3.778	0.000	98	219992	25.0	24.6	
47 Chlorobromomethane	128	3.944	3.944	0.000	89	28277	5.00	5.14	
48 Tetrahydrofuran	42	3.954	3.954	0.000	94	60863	10.0	9.30	
50 Chloroform	83	4.006	4.006	0.000	95	90630	5.00	5.08	
51 1,1,1-Trichloroethane	97	4.099	4.099	0.000	75	79075	5.00	5.27	
52 Cyclohexane	56	4.099	4.099	0.000	91	128270	5.00	5.19	
53 Carbon tetrachloride	117	4.213	4.213	0.000	95	71895	5.00	5.25	
54 1,1-Dichloropropene	75	4.213	4.213	0.000	91	75021	5.00	5.20	
55 Benzene	78	4.379	4.379	0.000	75	201528	5.00	5.14	
56 Isobutyl alcohol	43	4.400	4.410	-0.010	95	114218	125.0	117.2	
57 1,2-Dichloroethane	62	4.431	4.441	-0.010	96	90293	5.00	5.10	
59 n-Heptane	43	4.514	4.514	0.000	97	118945	5.00	5.07	
60 Trichloroethene	95	4.866	4.866	0.000	94	50729	5.00	4.94	
62 Methylcyclohexane	83	4.960	4.960	0.000	97	94678	5.00	5.29	
63 1,2-Dichloropropane	63	5.053	5.053	0.000	93	63652	5.00	5.25	
65 Dibromomethane	93	5.156	5.157	0.000	95	31706	5.00	5.04	
66 1,4-Dioxane	88	5.167	5.167	0.000	52	19218	100.0	105.7	
67 Dichlorobromomethane	83	5.281	5.281	0.000	96	60232	5.00	4.90	
69 2-Chloroethyl vinyl ether	63	5.488	5.488	0.000	91	45419	5.00	4.85	
71 cis-1,3-Dichloropropene	75	5.602	5.602	0.000	92	83486	5.00	5.09	
72 4-Methyl-2-pentanone (MIBK)	43	5.706	5.706	0.000	98	451629	25.0	25.1	
73 Toluene	92	5.809	5.809	0.000	98	129250	5.00	5.21	
75 trans-1,3-Dichloropropene	75	6.027	6.027	0.000	98	73785	5.00	4.82	
77 Ethyl methacrylate	69	6.058	6.058	0.000	95	71047	5.00	5.01	
78 1,1,2-Trichloroethane	83	6.172	6.172	0.000	93	39383	5.00	5.05	
79 Tetrachloroethene	166	6.213	6.214	-0.001	94	51996	5.00	5.33	
80 1,3-Dichloropropane	76	6.296	6.296	0.000	98	80278	5.00	4.85	
81 2-Hexanone	43	6.338	6.338	0.000	99	323712	25.0	25.3	
82 Chlorodibromomethane	129	6.473	6.473	0.000	89	48657	5.00	5.15	
83 Ethylene Dibromide	107	6.555	6.556	-0.001	97	49146	5.00	5.02	
86 Chlorobenzene	112	6.908	6.908	0.000	94	144571	5.00	5.39	
88 Ethylbenzene	91	6.970	6.970	0.000	98	237354	5.00	5.14	
89 1,1,1,2-Tetrachloroethane	131	6.980	6.980	0.000	91	47470	5.00	4.98	
90 m-Xylene & p-Xylene	106	7.063	7.063	0.000	0	94673	5.00	5.22	
91 o-Xylene	106	7.374	7.374	0.000	98	93636	5.00	5.24	
92 Styrene	104	7.395	7.395	0.000	94	149774	5.00	5.15	
93 Bromoform	173	7.592	7.592	0.000	92	27150	5.00	4.75	
95 Isopropylbenzene	105	7.654	7.664	-0.010	96	244656	5.00	5.24	
97 Bromobenzene	156	7.934	7.934	0.000	97	57351	5.00	5.27	
98 1,1,2,2-Tetrachloroethane	83	7.975	7.975	0.000	95	68226	5.00	5.00	
99 N-Propylbenzene	91	7.986	7.986	0.000	99	286085	5.00	5.18	
100 1,2,3-Trichloropropane	110	7.996	7.996	0.000	88	21601	5.00	4.78	
101 trans-1,4-Dichloro-2-butene	53	8.006	8.006	0.000	78	30824	5.00	4.75	
105 2-Chlorotoluene	126	8.079	8.079	0.000	96	55362	5.00	4.95	
104 1,3,5-Trimethylbenzene	105	8.131	8.131	0.000	96	200044	5.00	5.04	
102 4-Chlorotoluene	91	8.162	8.162	0.000	98	199738	5.00	5.14	
106 tert-Butylbenzene	134	8.390	8.390	0.000	94	43567	5.00	5.20	
107 1,2,4-Trimethylbenzene	105	8.431	8.431	0.000	97	212463	5.00	5.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.566	8.566	0.000	95	268325	5.00	5.27	
111 4-Isopropyltoluene	119	8.680	8.680	0.000	97	230722	5.00	5.20	
110 1,3-Dichlorobenzene	146	8.680	8.680	0.000	96	116801	5.00	5.30	
113 1,4-Dichlorobenzene	146	8.763	8.763	0.000	94	114537	5.00	5.08	
115 n-Butylbenzene	91	9.022	9.022	0.000	98	200323	5.00	5.05	
116 1,2-Dichlorobenzene	146	9.074	9.074	0.000	96	115413	5.00	5.11	
117 1,2-Dibromo-3-Chloropropane	75	9.737	9.737	0.000	77	14071	5.00	4.65	
119 1,2,4-Trichlorobenzene	180	10.379	10.379	0.000	94	81234	5.00	5.18	
120 Hexachlorobutadiene	225	10.493	10.493	0.000	95	35229	5.00	4.98	
121 Naphthalene	128	10.597	10.587	0.010	98	246437	5.00	5.05	
122 1,2,3-Trichlorobenzene	180	10.794	10.794	0.000	95	79570	5.00	4.96	
S 126 Xylenes, Total	1				0			10.5	
S 125 Total BTEX	1				0			25.9	
S 124 1,2-Dichloroethene, Total	1				0			10.4	
S 123 1,3-Dichloropropene, Total	1				0			9.91	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added:	5.00	Units: uL	
GAS CORP mix_00421	Amount Added:	5.00	Units: uL	
T_8260_Surr_00210	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00249	Amount Added:	1.00	Units: uL	Run Reagent

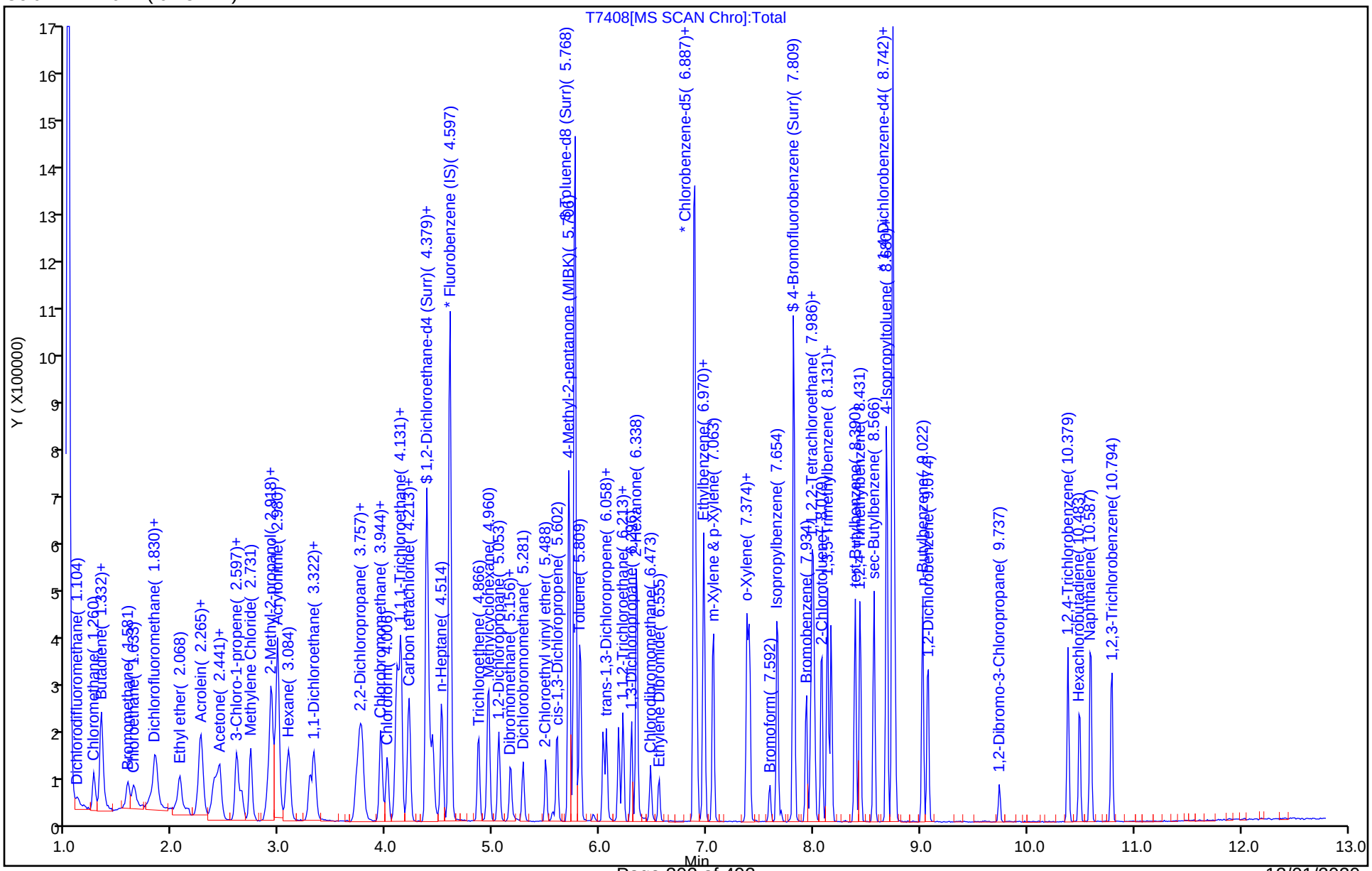
Report Date: 12-Oct-2020 11:24:21 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7408.D

Injection Date:	10-Oct-2020 14:13:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7409.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 10-Oct-2020 14:37:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 4
Misc. Info.: 480-0094036-013
Operator ID: LH Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Oct-2020 11:24:27 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1651

First Level Reviewer: HillL Date: 11-Oct-2020 11:26:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.597	4.597	0.000	98	175574	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.887	6.887	0.000	89	609191	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	96	322059	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.130	4.131	-0.001	93	200111	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.379	4.379	0.000	0	283326	25.0	25.8	
$ 6 Toluene-d8 (Surr)	98	5.768	5.768	0.000	94	749170	25.0	25.5	
$ 7 4-Bromofluorobenzene (Surr)	174	7.809	7.809	0.000	0	214055	25.0	25.1	
11 Dichlorodifluoromethane	85	1.115	1.115	0.000	99	118920	10.0	10.2	
13 Chloromethane	50	1.260	1.260	0.000	98	188087	10.0	9.59	
151 Butadiene	54	1.332	1.333	-0.001	89	164058	10.0	10.0	
14 Vinyl chloride	62	1.343	1.343	0.000	98	158808	10.0	9.85	
15 Bromomethane	94	1.581	1.581	0.000	92	73190	10.0	9.71	
16 Chloroethane	64	1.633	1.633	0.000	99	83507	10.0	9.86	
18 Dichlorofluoromethane	67	1.840	1.840	0.000	98	188805	10.0	10.1	
17 Trichlorofluoromethane	101	1.851	1.851	0.000	97	162937	10.0	10.0	
19 Ethyl ether	59	2.068	2.068	0.000	98	112640	10.0	10.1	
21 Acrolein	56	2.234	2.234	0.000	98	89016	50.0	52.2	
22 1,1-Dichloroethene	96	2.265	2.265	0.000	92	85965	10.0	10.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.275	2.276	-0.001	94	96387	10.0	10.3	
23 Acetone	43	2.379	2.379	0.000	98	289769	50.0	51.3	
24 Iodomethane	142	2.410	2.410	0.000	99	167179	10.0	10.5	
25 Carbon disulfide	76	2.441	2.441	0.000	100	323157	10.0	10.3	
27 3-Chloro-1-propene	41	2.597	2.597	0.000	90	216235	10.0	10.3	
28 Methyl acetate	43	2.638	2.638	0.000	100	275348	20.0	20.4	
30 Methylene Chloride	84	2.731	2.732	-0.001	94	107067	10.0	10.1	
31 2-Methyl-2-propanol	59	2.908	2.897	0.011	57	251725	100.0	102.9	
33 Methyl tert-butyl ether	73	2.918	2.918	0.000	94	333558	10.0	10.5	
32 trans-1,2-Dichloroethene	96	2.928	2.928	0.000	91	99137	10.0	10.3	
34 Acrylonitrile	53	2.980	2.980	0.000	98	736994	100.0	102.1	
35 Hexane	57	3.084	3.084	0.000	94	203075	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.281	3.281	0.000	96	218884	10.0	10.3	
39 Vinyl acetate	43	3.322	3.322	0.000	97	533676	20.0	19.6	
42 2,2-Dichloropropane	77	3.726	3.726	0.000	91	150309	10.0	10.2	
43 cis-1,2-Dichloroethene	96	3.747	3.747	0.000	87	108714	10.0	10.1	
44 2-Butanone (MEK)	43	3.768	3.778	-0.010	98	453901	50.0	51.7	
47 Chlorobromomethane	128	3.944	3.944	0.000	90	54694	10.0	10.1	
48 Tetrahydrofuran	42	3.954	3.954	0.000	93	129626	20.0	20.2	
50 Chloroform	83	4.006	4.006	0.000	95	177056	10.0	10.1	
51 1,1,1-Trichloroethane	97	4.099	4.099	0.000	75	151516	10.0	10.3	
52 Cyclohexane	56	4.099	4.099	0.000	93	252151	10.0	10.4	
53 Carbon tetrachloride	117	4.213	4.213	0.000	82	137442	10.0	10.2	
54 1,1-Dichloropropene	75	4.213	4.213	0.000	91	143596	10.0	10.1	
55 Benzene	78	4.379	4.379	0.000	91	400916	10.0	10.4	
56 Isobutyl alcohol	43	4.410	4.410	0.000	96	242359	250.0	253.2	
57 1,2-Dichloroethane	62	4.441	4.441	0.000	96	178347	10.0	10.3	
59 n-Heptane	43	4.514	4.514	0.000	97	233697	10.0	10.1	
60 Trichloroethene	95	4.866	4.866	0.000	94	104399	10.0	10.4	
62 Methylcyclohexane	83	4.960	4.960	0.000	98	185562	10.0	10.6	
63 1,2-Dichloropropane	63	5.053	5.053	0.000	93	123227	10.0	10.3	
65 Dibromomethane	93	5.156	5.157	0.000	95	67841	10.0	11.0	
66 1,4-Dioxane	88	5.167	5.167	0.000	51	38460	200.0	212.2	
67 Dichlorobromomethane	83	5.281	5.281	0.000	96	123877	10.0	10.3	
69 2-Chloroethyl vinyl ether	63	5.488	5.488	0.000	92	97460	10.0	10.6	
71 cis-1,3-Dichloropropene	75	5.602	5.602	0.000	91	166841	10.0	10.4	
72 4-Methyl-2-pentanone (MIBK)	43	5.706	5.706	0.000	98	952323	50.0	53.2	
73 Toluene	92	5.809	5.809	0.000	97	251580	10.0	10.2	
75 trans-1,3-Dichloropropene	75	6.027	6.027	0.000	97	160109	10.0	10.5	
77 Ethyl methacrylate	69	6.058	6.058	0.000	94	145120	10.0	10.3	
78 1,1,2-Trichloroethane	83	6.172	6.172	0.000	92	78362	10.0	10.1	
79 Tetrachloroethene	166	6.213	6.214	-0.001	92	100443	10.0	10.3	
80 1,3-Dichloropropane	76	6.296	6.296	0.000	97	169389	10.0	10.3	
81 2-Hexanone	43	6.338	6.338	0.000	98	679606	50.0	53.2	
82 Chlorodibromomethane	129	6.473	6.473	0.000	91	93747	10.0	9.96	
83 Ethylene Dibromide	107	6.555	6.556	-0.001	98	99932	10.0	10.2	
86 Chlorobenzene	112	6.908	6.908	0.000	93	279721	10.0	10.4	
88 Ethylbenzene	91	6.970	6.970	0.000	99	485135	10.0	10.5	
89 1,1,1,2-Tetrachloroethane	131	6.980	6.980	0.000	92	98208	10.0	10.3	
90 m-Xylene & p-Xylene	106	7.063	7.063	0.000	0	184859	10.0	10.2	
91 o-Xylene	106	7.374	7.374	0.000	98	187560	10.0	10.5	
92 Styrene	104	7.395	7.395	0.000	95	315121	10.0	10.9	
93 Bromoform	173	7.592	7.592	0.000	94	58064	10.0	10.2	
95 Isopropylbenzene	105	7.654	7.664	-0.010	96	494308	10.0	10.6	
97 Bromobenzene	156	7.934	7.934	0.000	96	114440	10.0	10.5	
98 1,1,2,2-Tetrachloroethane	83	7.975	7.975	0.000	95	137545	10.0	10.1	
99 N-Propylbenzene	91	7.986	7.986	0.000	99	576714	10.0	10.4	
100 1,2,3-Trichloropropane	110	7.996	7.996	0.000	90	47025	10.0	10.4	
101 trans-1,4-Dichloro-2-butene	53	8.006	8.006	0.000	87	67743	10.0	10.4	
105 2-Chlorotoluene	126	8.079	8.079	0.000	96	115350	10.0	10.3	
104 1,3,5-Trimethylbenzene	105	8.131	8.131	0.000	94	421644	10.0	10.6	
102 4-Chlorotoluene	91	8.162	8.162	0.000	99	399482	10.0	10.3	
106 tert-Butylbenzene	134	8.390	8.390	0.000	93	91339	10.0	10.9	
107 1,2,4-Trimethylbenzene	105	8.431	8.431	0.000	97	430265	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.566	8.566	0.000	95	533927	10.0	10.5	
111 4-Isopropyltoluene	119	8.680	8.680	0.000	97	470943	10.0	10.6	
110 1,3-Dichlorobenzene	146	8.690	8.680	0.010	75	233568	10.0	10.6	
113 1,4-Dichlorobenzene	146	8.763	8.763	0.000	93	236702	10.0	10.5	
115 n-Butylbenzene	91	9.022	9.022	0.000	98	416121	10.0	10.5	
116 1,2-Dichlorobenzene	146	9.074	9.074	0.000	95	229076	10.0	10.1	
117 1,2-Dibromo-3-Chloropropane	75	9.737	9.737	0.000	77	29833	10.0	9.85	
119 1,2,4-Trichlorobenzene	180	10.379	10.379	0.000	94	161154	10.0	10.3	
120 Hexachlorobutadiene	225	10.493	10.493	0.000	97	74308	10.0	10.5	
121 Naphthalene	128	10.597	10.587	0.010	97	517783	10.0	10.6	
122 1,2,3-Trichlorobenzene	180	10.794	10.794	0.000	94	163278	10.0	10.2	
S 126 Xylenes, Total	1				0			20.7	
S 125 Total BTEX	1				0			51.8	
S 124 1,2-Dichloroethene, Total	1				0			20.5	
S 123 1,3-Dichloropropene, Total	1				0			20.8	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added:	5.00	Units: uL	
GAS CORP mix_00421	Amount Added:	5.00	Units: uL	
T_8260_Surr_00210	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00249	Amount Added:	1.00	Units: uL	Run Reagent

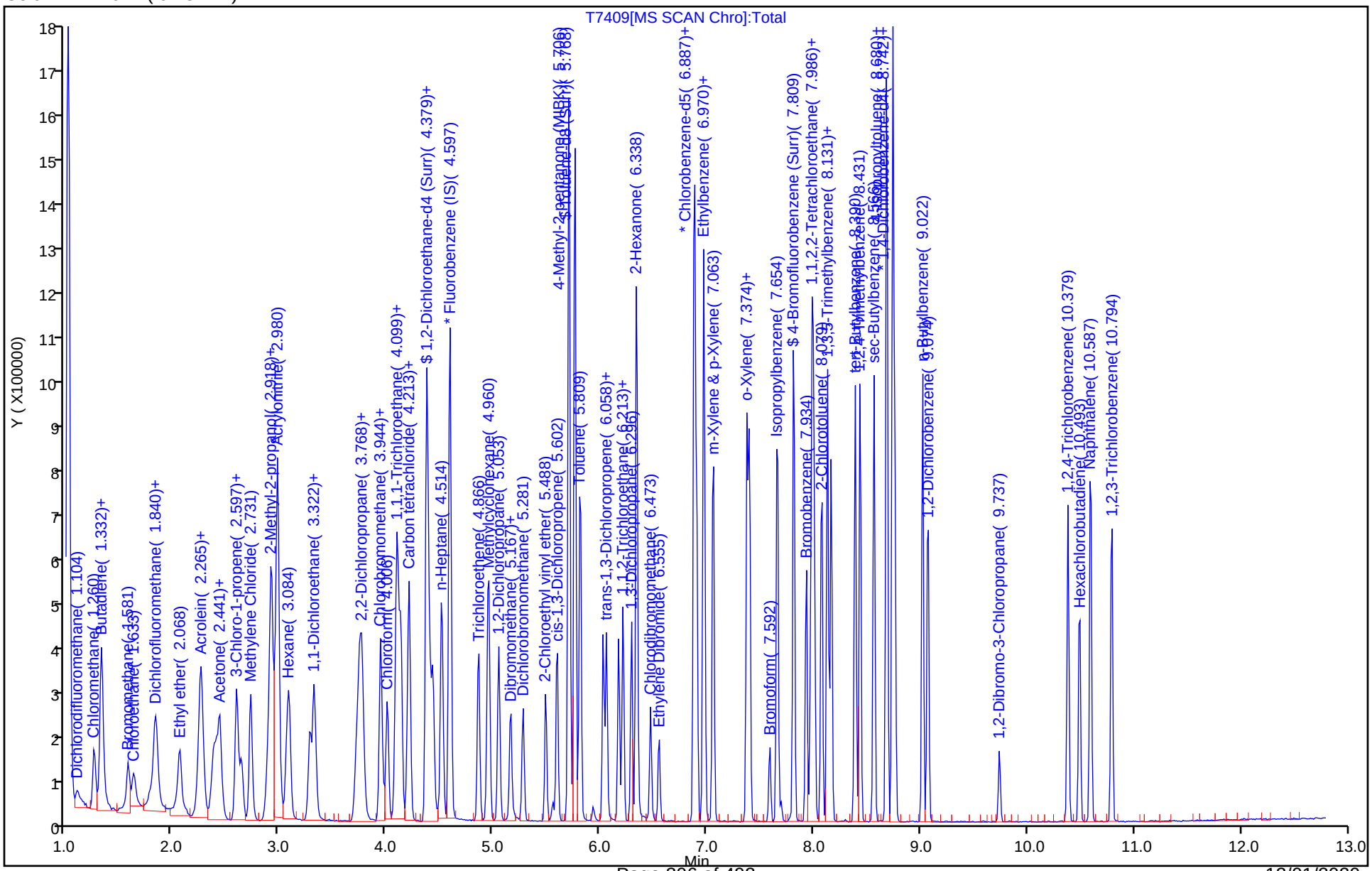
Report Date: 12-Oct-2020 11:24:29 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7409.D

Injection Date:	10-Oct-2020 14:37:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7410.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 10-Oct-2020 15:01:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: icis 5
Misc. Info.: 480-0094036-014
Operator ID: LH Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Oct-2020 13:20:01 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: HillL Date: 11-Oct-2020 11:16:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.597	4.597	0.000	98	176814	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.887	6.887	0.000	87	621727	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	95	331725	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.131	4.131	0.000	92	196190	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.379	4.379	0.000	0	275443	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	5.768	5.768	0.000	94	743824	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr)	174	7.809	7.809	0.000	0	215415	25.0	24.8	
11 Dichlorodifluoromethane	85	1.115	1.115	0.000	99	309999	25.0	26.4	
13 Chloromethane	50	1.260	1.260	0.000	99	458489	25.0	23.2	
151 Butadiene	54	1.333	1.333	0.000	90	419108	25.0	25.4	
14 Vinyl chloride	62	1.343	1.343	0.000	97	404237	25.0	24.9	
15 Bromomethane	94	1.581	1.581	0.000	93	189914	25.0	25.0	
16 Chloroethane	64	1.633	1.633	0.000	99	203377	25.0	23.8	
18 Dichlorofluoromethane	67	1.840	1.840	0.000	97	463125	25.0	24.5	
17 Trichlorofluoromethane	101	1.851	1.851	0.000	98	409042	25.0	25.0	
19 Ethyl ether	59	2.068	2.068	0.000	97	279247	25.0	25.0	
21 Acrolein	56	2.234	2.234	0.000	98	223194	125.0	129.9	
22 1,1-Dichloroethene	96	2.265	2.265	0.000	90	211235	25.0	24.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.276	2.276	0.000	95	248776	25.0	26.5	
23 Acetone	43	2.379	2.379	0.000	99	689291	125.0	121.1	
24 Iodomethane	142	2.410	2.410	0.000	99	413599	25.0	25.7	
25 Carbon disulfide	76	2.441	2.441	0.000	100	786978	25.0	24.9	
27 3-Chloro-1-propene	41	2.597	2.597	0.000	90	542519	25.0	25.8	
28 Methyl acetate	43	2.638	2.638	0.000	100	682688	50.0	50.3	
30 Methylene Chloride	84	2.732	2.732	0.000	95	259413	25.0	25.5	
31 2-Methyl-2-propanol	59	2.897	2.897	0.000	99	628186	250.0	255.0	
33 Methyl tert-butyl ether	73	2.918	2.918	0.000	96	795917	25.0	25.0	
32 trans-1,2-Dichloroethene	96	2.928	2.928	0.000	92	240071	25.0	24.8	
34 Acrylonitrile	53	2.980	2.980	0.000	98	1841558	250.0	253.5	
35 Hexane	57	3.084	3.084	0.000	93	509857	25.0	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.281	3.281	0.000	96	530285	25.0	24.8	
39 Vinyl acetate	43	3.322	3.322	0.000	97	1410300	50.0	51.4	
42 2,2-Dichloropropane	77	3.726	3.726	0.000	92	372633	25.0	25.0	
43 cis-1,2-Dichloroethene	96	3.747	3.747	0.000	85	262447	25.0	24.3	
44 2-Butanone (MEK)	43	3.778	3.778	0.000	98	1118628	125.0	126.6	
47 Chlorobromomethane	128	3.944	3.944	0.000	92	141439	25.0	26.0	
48 Tetrahydrofuran	42	3.954	3.954	0.000	92	301252	50.0	46.5	
50 Chloroform	83	4.006	4.006	0.000	95	428963	25.0	24.3	
51 1,1,1-Trichloroethane	97	4.099	4.099	0.000	75	379768	25.0	25.6	
52 Cyclohexane	56	4.099	4.099	0.000	91	623715	25.0	25.5	
53 Carbon tetrachloride	117	4.213	4.213	0.000	96	361047	25.0	26.6	
54 1,1-Dichloropropene	75	4.213	4.213	0.000	93	354239	25.0	24.8	
55 Benzene	78	4.379	4.379	0.000	95	975618	25.0	25.2	
56 Isobutyl alcohol	43	4.410	4.410	0.000	96	632980	625.0	656.7	
57 1,2-Dichloroethane	62	4.441	4.441	0.000	96	429306	25.0	24.5	
59 n-Heptane	43	4.514	4.514	0.000	97	592757	25.0	25.5	
60 Trichloroethene	95	4.866	4.866	0.000	95	248653	25.0	24.5	
62 Methylcyclohexane	83	4.960	4.960	0.000	97	459972	25.0	26.0	
63 1,2-Dichloropropane	63	5.053	5.053	0.000	94	303913	25.0	25.3	
65 Dibromomethane	93	5.157	5.157	0.000	95	163614	25.0	26.3	
66 1,4-Dioxane	88	5.167	5.167	0.000	95	93477	500.0	505.3	
67 Dichlorobromomethane	83	5.281	5.281	0.000	97	309506	25.0	25.4	
69 2-Chloroethyl vinyl ether	63	5.488	5.488	0.000	92	238393	25.0	25.8	
71 cis-1,3-Dichloropropene	75	5.602	5.602	0.000	91	412984	25.0	25.5	
72 4-Methyl-2-pentanone (MIBK)	43	5.706	5.706	0.000	98	2348071	125.0	128.4	
73 Toluene	92	5.809	5.809	0.000	97	613002	25.0	24.3	
75 trans-1,3-Dichloropropene	75	6.027	6.027	0.000	97	399027	25.0	25.6	
77 Ethyl methacrylate	69	6.058	6.058	0.000	95	372912	25.0	25.9	
78 1,1,2-Trichloroethane	83	6.172	6.172	0.000	94	194043	25.0	24.5	
79 Tetrachloroethene	166	6.214	6.214	0.000	93	253407	25.0	25.5	
80 1,3-Dichloropropane	76	6.296	6.296	0.000	97	419714	25.0	24.9	
81 2-Hexanone	43	6.338	6.338	0.000	98	1700604	125.0	130.5	
82 Chlorodibromomethane	129	6.473	6.473	0.000	91	240878	25.0	25.1	
83 Ethylene Dibromide	107	6.556	6.556	0.000	99	246885	25.0	24.8	
86 Chlorobenzene	112	6.908	6.908	0.000	93	673947	25.0	24.7	
88 Ethylbenzene	91	6.970	6.970	0.000	98	1172190	25.0	24.9	
89 1,1,1,2-Tetrachloroethane	131	6.980	6.980	0.000	93	244733	25.0	25.2	
90 m-Xylene & p-Xylene	106	7.063	7.063	0.000	0	466425	25.0	25.2	
91 o-Xylene	106	7.374	7.374	0.000	98	450045	25.0	24.7	
92 Styrene	104	7.395	7.395	0.000	95	767040	25.0	25.9	
93 Bromoform	173	7.592	7.592	0.000	95	151057	25.0	25.9	
95 Isopropylbenzene	105	7.664	7.664	0.000	97	1191630	25.0	24.7	
97 Bromobenzene	156	7.934	7.934	0.000	96	280456	25.0	25.0	
98 1,1,2,2-Tetrachloroethane	83	7.975	7.975	0.000	95	347702	25.0	24.7	
99 N-Propylbenzene	91	7.986	7.986	0.000	99	1423757	25.0	25.0	
100 1,2,3-Trichloropropane	110	7.996	7.996	0.000	89	112118	25.0	24.1	
101 trans-1,4-Dichloro-2-butene	53	8.006	8.006	0.000	92	155497	25.0	23.2	
105 2-Chlorotoluene	126	8.079	8.079	0.000	96	282342	25.0	24.5	
104 1,3,5-Trimethylbenzene	105	8.131	8.131	0.000	94	1054414	25.0	25.8	
102 4-Chlorotoluene	91	8.162	8.162	0.000	99	974114	25.0	24.3	
106 tert-Butylbenzene	134	8.390	8.390	0.000	94	226668	25.0	26.2	
107 1,2,4-Trimethylbenzene	105	8.431	8.431	0.000	97	1059004	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.566	8.566	0.000	95	1335182	25.0	25.4	
111 4-Isopropyltoluene	119	8.680	8.680	0.000	96	1140556	25.0	24.9	
110 1,3-Dichlorobenzene	146	8.680	8.680	0.000	84	564040	25.0	24.8	
113 1,4-Dichlorobenzene	146	8.763	8.763	0.000	93	572113	25.0	24.6	
115 n-Butylbenzene	91	9.022	9.022	0.000	98	1037487	25.0	25.4	
116 1,2-Dichlorobenzene	146	9.074	9.074	0.000	96	559436	25.0	24.0	
117 1,2-Dibromo-3-Chloropropane	75	9.737	9.737	0.000	80	74981	25.0	24.0	
119 1,2,4-Trichlorobenzene	180	10.379	10.379	0.000	95	402611	25.0	24.9	
120 Hexachlorobutadiene	225	10.493	10.493	0.000	96	184936	25.0	25.3	
121 Naphthalene	128	10.587	10.587	0.000	98	1264083	25.0	25.1	
122 1,2,3-Trichlorobenzene	180	10.794	10.794	0.000	95	396520	25.0	24.0	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added: 12.50	Units: uL	
GAS CORP mix_00421	Amount Added: 12.50	Units: uL	
T_8260_Surr_00210	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00249	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 12-Oct-2020 13:20:03 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7410.D

Injection Date: 10-Oct-2020 15:01:30 Instrument ID: HP5975T Operator ID: LH

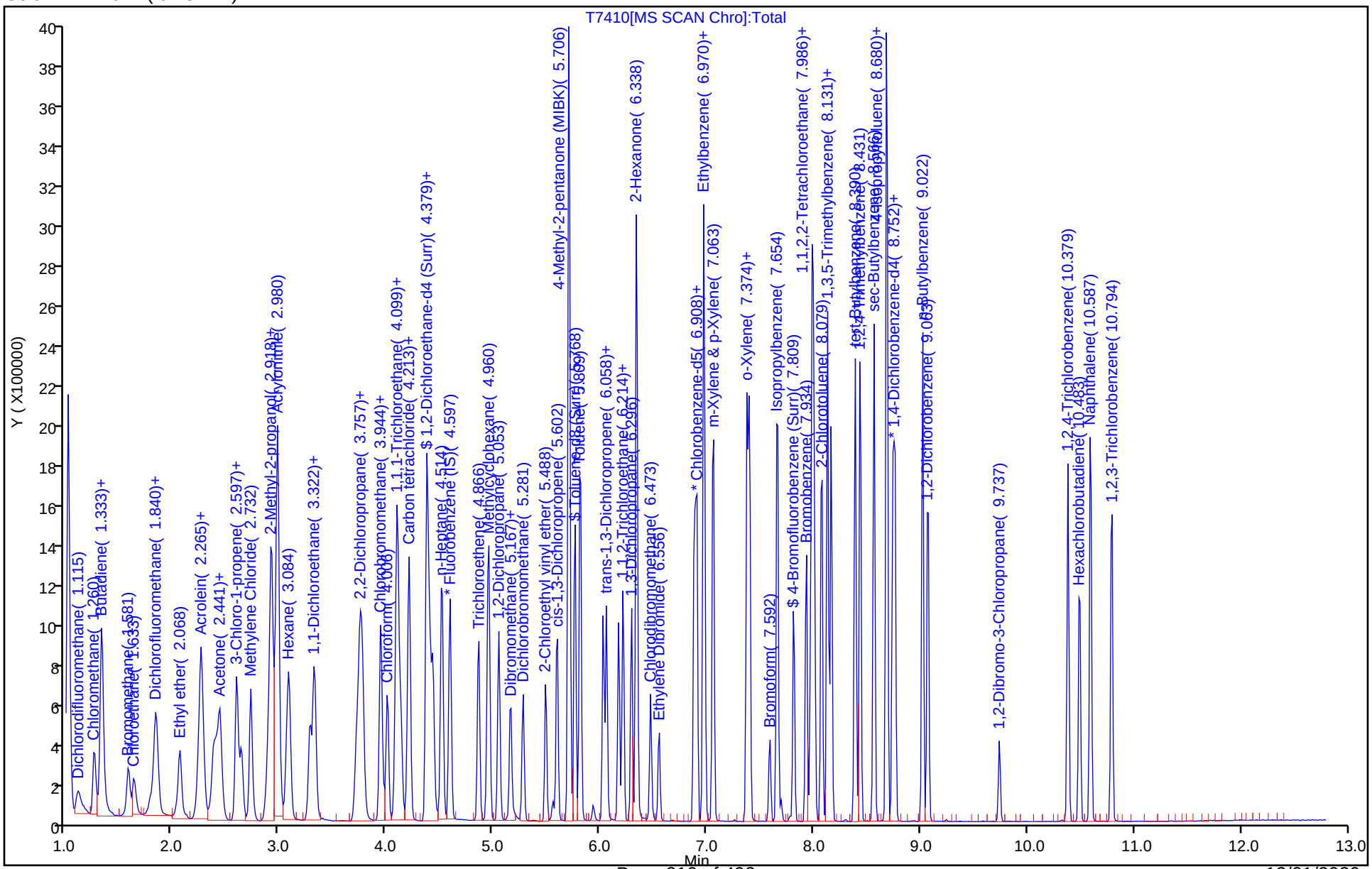
Lims ID: ICIS 5 Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 14

Method: T-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7411.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 10-Oct-2020 15:25:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 6
Misc. Info.: 480-0094036-015
Operator ID: LH Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Oct-2020 11:24:44 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1651

First Level Reviewer: HillL Date: 11-Oct-2020 11:27:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.597	4.597	0.000	98	174547	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.877	6.887	-0.010	88	612160	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	96	329635	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.131	4.131	0.000	94	199353	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.379	4.379	0.000	0	272552	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	5.768	5.768	0.000	94	735508	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr)	174	7.809	7.809	0.000	0	217150	25.0	25.4	
11 Dichlorodifluoromethane	85	1.105	1.115	-0.010	99	595509	50.0	51.4	
13 Chloromethane	50	1.250	1.260	-0.010	98	929476	50.0	47.7	
151 Butadiene	54	1.322	1.333	-0.011	91	805595	50.0	49.4	
14 Vinyl chloride	62	1.333	1.343	-0.010	97	791671	50.0	49.4	
15 Bromomethane	94	1.571	1.581	-0.010	92	377857	50.0	50.4	
16 Chloroethane	64	1.623	1.633	-0.010	99	407203	50.0	48.4	
18 Dichlorofluoromethane	67	1.820	1.840	-0.020	98	910068	50.0	48.8	
17 Trichlorofluoromethane	101	1.840	1.851	-0.011	98	797722	50.0	49.3	
19 Ethyl ether	59	2.058	2.068	-0.010	98	544761	50.0	49.4	
21 Acrolein	56	2.224	2.234	-0.010	100	447828	250.0	263.9	
22 1,1-Dichloroethene	96	2.255	2.265	-0.010	92	421149	50.0	49.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.265	2.276	-0.011	96	487927	50.0	52.6	
23 Acetone	43	2.369	2.379	-0.010	99	1365160	250.0	243.0	
24 Iodomethane	142	2.400	2.410	-0.010	99	806731	50.0	50.8	
25 Carbon disulfide	76	2.431	2.441	-0.010	100	1572889	50.0	50.5	
27 3-Chloro-1-propene	41	2.587	2.597	-0.011	90	1058367	50.0	50.9	
28 Methyl acetate	43	2.628	2.638	-0.010	100	1346075	100.0	100.5	
30 Methylene Chloride	84	2.721	2.732	-0.011	95	498117	50.0	50.4	
31 2-Methyl-2-propanol	59	2.897	2.897	0.000	99	1234930	500.0	507.8	
33 Methyl tert-butyl ether	73	2.908	2.918	-0.010	97	1627835	50.0	51.7	
32 trans-1,2-Dichloroethene	96	2.918	2.928	-0.010	92	484137	50.0	50.7	
34 Acrylonitrile	53	2.970	2.980	-0.010	98	3611428	500.0	503.5	
35 Hexane	57	3.084	3.084	0.000	92	1005859	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.281	3.281	0.000	97	1049207	50.0	49.7	
39 Vinyl acetate	43	3.322	3.322	0.000	97	2939249	100.0	108.6	
42 2,2-Dichloropropane	77	3.726	3.726	0.000	91	744152	50.0	50.6	
43 cis-1,2-Dichloroethene	96	3.747	3.747	0.000	87	526000	50.0	49.3	
44 2-Butanone (MEK)	43	3.768	3.778	-0.010	98	2237504	250.0	256.5	
47 Chlorobromomethane	128	3.944	3.944	0.000	92	280500	50.0	52.2	
48 Tetrahydrofuran	42	3.944	3.954	-0.010	93	616144	100.0	96.4	
50 Chloroform	83	4.006	4.006	0.000	95	853077	50.0	49.0	
51 1,1,1-Trichloroethane	97	4.100	4.099	0.001	76	755274	50.0	51.5	
52 Cyclohexane	56	4.100	4.099	0.001	92	1223401	50.0	50.7	
53 Carbon tetrachloride	117	4.203	4.213	-0.010	97	712516	50.0	53.3	
54 1,1-Dichloropropene	75	4.214	4.213	0.001	92	703830	50.0	50.0	
55 Benzene	78	4.379	4.379	0.000	97	1920006	50.0	50.2	
56 Isobutyl alcohol	43	4.400	4.410	-0.010	95	1318532	1250.0	1385.8	
57 1,2-Dichloroethane	62	4.431	4.441	-0.010	98	841436	50.0	48.7	
59 n-Heptane	43	4.514	4.514	0.000	96	1085444	50.0	47.3	
60 Trichloroethene	95	4.856	4.866	-0.010	95	498304	50.0	49.7	
62 Methylcyclohexane	83	4.949	4.960	-0.011	98	915304	50.0	52.4	
63 1,2-Dichloropropane	63	5.053	5.053	0.000	95	608950	50.0	51.4	
65 Dibromomethane	93	5.157	5.157	0.001	94	335979	50.0	54.7	
66 1,4-Dioxane	88	5.157	5.167	-0.010	96	188723	1000.0	1036.0	
67 Dichlorobromomethane	83	5.281	5.281	0.000	97	620357	50.0	51.7	
69 2-Chloroethyl vinyl ether	63	5.488	5.488	0.000	91	484756	50.0	53.1	
71 cis-1,3-Dichloropropene	75	5.592	5.602	-0.010	91	837692	50.0	52.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.706	5.706	0.000	98	4589907	250.0	255.0	
73 Toluene	92	5.809	5.809	0.000	98	1237481	50.0	49.7	
75 trans-1,3-Dichloropropene	75	6.027	6.027	0.000	96	811562	50.0	52.9	
77 Ethyl methacrylate	69	6.058	6.058	0.000	95	766678	50.0	54.0	
78 1,1,2-Trichloroethane	83	6.172	6.172	0.000	93	388397	50.0	49.7	
79 Tetrachloroethene	166	6.214	6.214	0.000	93	497402	50.0	50.8	
80 1,3-Dichloropropane	76	6.296	6.296	0.000	96	830200	50.0	50.1	
81 2-Hexanone	43	6.338	6.338	0.000	98	3352640	250.0	261.2	
82 Chlorodibromomethane	129	6.473	6.473	0.000	91	496132	50.0	52.4	
83 Ethylene Dibromide	107	6.556	6.556	0.000	99	495406	50.0	50.5	
86 Chlorobenzene	112	6.908	6.908	0.000	93	1353448	50.0	50.3	
88 Ethylbenzene	91	6.970	6.970	0.000	98	2313162	50.0	50.0	
89 1,1,1,2-Tetrachloroethane	131	6.980	6.980	0.000	94	508391	50.0	53.2	
90 m-Xylene & p-Xylene	106	7.063	7.063	0.000	0	938218	50.0	51.6	
91 o-Xylene	106	7.374	7.374	0.000	98	904596	50.0	50.5	
92 Styrene	104	7.395	7.395	0.000	94	1526252	50.0	52.4	
93 Bromoform	173	7.592	7.592	0.000	96	329571	50.0	57.5	
95 Isopropylbenzene	105	7.664	7.664	0.000	97	2408045	50.0	50.3	
97 Bromobenzene	156	7.934	7.934	0.000	97	551203	50.0	49.4	
98 1,1,2,2-Tetrachloroethane	83	7.975	7.975	0.000	96	682765	50.0	48.8	
99 N-Propylbenzene	91	7.986	7.986	0.000	99	2824183	50.0	49.9	
100 1,2,3-Trichloropropane	110	7.996	7.996	0.000	87	227978	50.0	49.2	
101 trans-1,4-Dichloro-2-butene	53	8.006	8.006	0.000	93	309281	50.0	46.5	
105 2-Chlorotoluene	126	8.079	8.079	0.000	96	563642	50.0	49.1	
104 1,3,5-Trimethylbenzene	105	8.131	8.131	0.000	94	2071286	50.0	50.9	
102 4-Chlorotoluene	91	8.162	8.162	0.000	99	1938688	50.0	48.7	
106 tert-Butylbenzene	134	8.390	8.390	0.000	94	453870	50.0	52.9	
107 1,2,4-Trimethylbenzene	105	8.431	8.431	0.000	97	2104510	50.0	51.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.566	8.566	0.000	95	2638442	50.0	50.5	
111 4-Isopropyltoluene	119	8.680	8.680	0.000	97	2305948	50.0	50.7	
110 1,3-Dichlorobenzene	146	8.690	8.680	0.010	97	1100764	50.0	48.7	
113 1,4-Dichlorobenzene	146	8.763	8.763	0.000	93	1121141	50.0	48.5	
115 n-Butylbenzene	91	9.022	9.022	0.000	98	2044115	50.0	50.3	
116 1,2-Dichlorobenzene	146	9.074	9.074	0.000	96	1121728	50.0	48.5	
117 1,2-Dibromo-3-Chloropropane	75	9.737	9.737	0.000	83	153270	50.0	49.4	
119 1,2,4-Trichlorobenzene	180	10.380	10.379	0.001	95	808045	50.0	50.3	
120 Hexachlorobutadiene	225	10.494	10.493	0.001	97	381828	50.0	52.6	
121 Naphthalene	128	10.597	10.587	0.010	98	2501581	50.0	50.1	
122 1,2,3-Trichlorobenzene	180	10.794	10.794	0.000	95	809791	50.0	49.3	
S 126 Xylenes, Total	1				0			102.1	
S 125 Total BTEX	1				0			252.0	
S 124 1,2-Dichloroethene, Total	1				0			100.0	
S 123 1,3-Dichloropropene, Total	1				0			105.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added: 25.00	Units: uL	
GAS CORP mix_00421	Amount Added: 25.00	Units: uL	
T_8260_Surr_00210	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00249	Amount Added: 1.00	Units: uL	Run Reagent

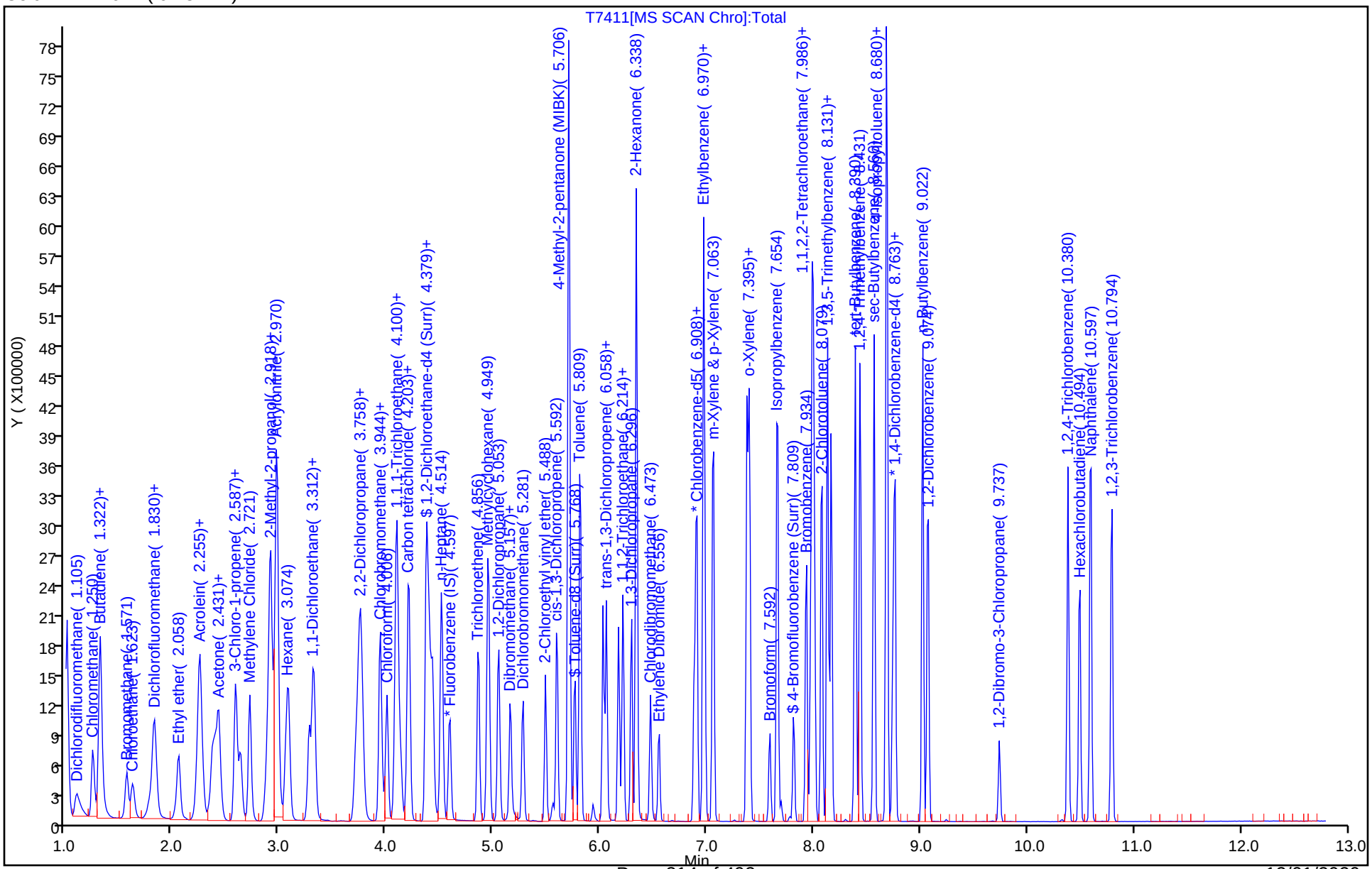
Report Date: 12-Oct-2020 11:24:46 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7411.D

Injection Date:	10-Oct-2020 15:25:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7412.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 10-Oct-2020 15:48:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 7
Misc. Info.: 480-0094036-016
Operator ID: LH Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Oct-2020 11:24:53 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1651

First Level Reviewer: HillL Date: 11-Oct-2020 11:27:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.597	4.597	0.000	98	180262	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.887	6.887	0.000	87	618346	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	96	326512	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.131	4.131	0.000	93	195748	25.0	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.379	4.379	0.000	0	278237	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	5.768	5.768	0.000	94	740090	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr)	174	7.820	7.809	0.011	0	220836	25.0	25.5	
11 Dichlorodifluoromethane	85	1.115	1.115	0.000	99	1117637	100.0	93.4	
13 Chloromethane	50	1.260	1.260	0.000	99	1788856	100.0	88.9	
151 Butadiene	54	1.322	1.333	-0.011	90	1536063	100.0	91.2	
14 Vinyl chloride	62	1.343	1.343	0.000	97	1506760	100.0	91.0	
15 Bromomethane	94	1.581	1.581	0.000	92	720001	100.0	93.1	
16 Chloroethane	64	1.633	1.633	0.000	99	796397	100.0	91.6	
18 Dichlorofluoromethane	67	1.830	1.840	-0.010	97	1780017	100.0	92.4	
17 Trichlorofluoromethane	101	1.851	1.851	0.000	98	1519693	100.0	90.9	
19 Ethyl ether	59	2.058	2.068	-0.010	97	1087595	100.0	95.4	
21 Acrolein	56	2.234	2.234	0.000	99	899538	500.0	513.4	
22 1,1-Dichloroethene	96	2.265	2.265	0.000	91	806833	100.0	91.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.265	2.276	-0.011	96	921161	100.0	96.1	
23 Acetone	43	2.379	2.379	0.000	99	2650945	500.0	456.9	
24 Iodomethane	142	2.410	2.410	0.000	99	1601524	100.0	97.6	
25 Carbon disulfide	76	2.441	2.441	0.000	100	3018941	100.0	93.9	
27 3-Chloro-1-propene	41	2.597	2.597	0.000	90	2042473	100.0	95.2	
28 Methyl acetate	43	2.638	2.638	0.000	100	2664106	200.0	192.7	
30 Methylene Chloride	84	2.732	2.732	0.000	95	1001065	100.0	98.9	
31 2-Methyl-2-propanol	59	2.897	2.897	0.000	99	2536046	1000.0	1009.8	
33 Methyl tert-butyl ether	73	2.918	2.918	0.000	95	3171599	100.0	97.6	
32 trans-1,2-Dichloroethene	96	2.918	2.928	-0.010	92	945385	100.0	95.8	
34 Acrylonitrile	53	2.980	2.980	0.000	98	6848160	1000.0	924.5	
35 Hexane	57	3.084	3.084	0.000	93	1849596	100.0	89.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.281	3.281	0.000	96	2043671	100.0	93.7	
39 Vinyl acetate	43	3.322	3.322	0.000	97	5894648	200.0	210.9	
42 2,2-Dichloropropane	77	3.726	3.726	0.000	94	1438256	100.0	94.7	
43 cis-1,2-Dichloroethene	96	3.747	3.747	0.000	87	1043881	100.0	94.8	
44 2-Butanone (MEK)	43	3.768	3.778	-0.010	98	4385526	500.0	486.9	
47 Chlorobromomethane	128	3.944	3.944	0.000	92	546374	100.0	98.5	
48 Tetrahydrofuran	42	3.954	3.954	0.000	93	1201401	200.0	182.1	
50 Chloroform	83	4.006	4.006	0.000	95	1655648	100.0	92.0	
51 1,1,1-Trichloroethane	97	4.099	4.099	0.000	77	1457829	100.0	96.3	
52 Cyclohexane	56	4.099	4.099	0.000	92	2306699	100.0	92.5	
53 Carbon tetrachloride	117	4.213	4.213	0.000	97	1379306	100.0	99.9	
54 1,1-Dichloropropene	75	4.213	4.213	0.000	94	1364156	100.0	93.8	
55 Benzene	78	4.379	4.379	0.000	97	3768043	100.0	95.3	
56 Isobutyl alcohol	43	4.410	4.410	0.000	95	2699533	2500.0	2747.3	
57 1,2-Dichloroethane	62	4.441	4.441	0.000	97	1653226	100.0	92.7	
59 n-Heptane	43	4.514	4.514	0.000	96	2017707	100.0	85.2	
60 Trichloroethene	95	4.866	4.866	0.000	95	979150	100.0	94.6	
62 Methylcyclohexane	83	4.960	4.960	0.000	98	1728670	100.0	95.8	
63 1,2-Dichloropropane	63	5.053	5.053	0.000	95	1196803	100.0	97.9	
65 Dibromomethane	93	5.157	5.157	0.001	95	656377	100.0	103.5	
66 1,4-Dioxane	88	5.167	5.167	0.000	92	373740	2000.0	2031.2	
67 Dichlorobromomethane	83	5.281	5.281	0.000	96	1247258	100.0	100.6	
69 2-Chloroethyl vinyl ether	63	5.488	5.488	0.000	92	946846	100.0	100.3	
71 cis-1,3-Dichloropropene	75	5.602	5.602	0.000	92	1675396	100.0	101.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.706	5.706	0.000	97	8812500	500.0	484.7	
73 Toluene	92	5.820	5.809	0.011	98	2405227	100.0	95.7	
75 trans-1,3-Dichloropropene	75	6.027	6.027	0.000	97	1621198	100.0	104.6	
77 Ethyl methacrylate	69	6.058	6.058	0.000	95	1552706	100.0	108.3	
78 1,1,2-Trichloroethane	83	6.172	6.172	0.000	94	760913	100.0	96.4	
79 Tetrachloroethene	166	6.214	6.214	0.000	93	950590	100.0	96.2	
80 1,3-Dichloropropane	76	6.296	6.296	0.000	96	1651105	100.0	98.6	
81 2-Hexanone	43	6.338	6.338	0.000	97	6439091	500.0	496.6	
82 Chlorodibromomethane	129	6.473	6.473	0.000	91	1031075	100.0	107.9	
83 Ethylene Dibromide	107	6.556	6.556	0.000	99	987774	100.0	99.7	
86 Chlorobenzene	112	6.908	6.908	0.000	93	2670847	100.0	98.3	
88 Ethylbenzene	91	6.970	6.970	0.000	98	4566232	100.0	97.7	
89 1,1,1,2-Tetrachloroethane	131	6.980	6.980	0.000	94	1011675	100.0	104.8	
90 m-Xylene & p-Xylene	106	7.063	7.063	0.000	0	1821158	100.0	99.1	
91 o-Xylene	106	7.374	7.374	0.000	98	1764352	100.0	97.5	
92 Styrene	104	7.395	7.395	0.000	95	2987585	100.0	101.5	
93 Bromoform	173	7.592	7.592	0.000	96	685204	100.0	118.3	
95 Isopropylbenzene	105	7.664	7.664	0.000	96	4662963	100.0	98.3	
97 Bromobenzene	156	7.934	7.934	0.000	97	1113315	100.0	100.7	
98 1,1,2,2-Tetrachloroethane	83	7.975	7.975	0.000	93	1381527	100.0	99.7	
99 N-Propylbenzene	91	7.986	7.986	0.000	98	5441705	100.0	97.0	
100 1,2,3-Trichloropropane	110	7.996	7.996	0.000	86	447437	100.0	97.5	
101 trans-1,4-Dichloro-2-butene	53	8.006	8.006	0.000	85	615745	100.0	93.4	
105 2-Chlorotoluene	126	8.079	8.079	0.000	96	1097515	100.0	96.6	
104 1,3,5-Trimethylbenzene	105	8.131	8.131	0.000	95	4025799	100.0	99.9	
102 4-Chlorotoluene	91	8.162	8.162	0.000	99	3794259	100.0	96.1	
106 tert-Butylbenzene	134	8.390	8.390	0.000	94	896897	100.0	105.5	
107 1,2,4-Trimethylbenzene	105	8.431	8.431	0.000	98	4068107	100.0	99.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.566	8.566	0.000	95	5101120	100.0	98.6	
111 4-Isopropyltoluene	119	8.680	8.680	0.000	96	4460284	100.0	99.0	
110 1,3-Dichlorobenzene	146	8.680	8.680	0.000	71	2159830	100.0	96.5	
113 1,4-Dichlorobenzene	146	8.763	8.763	0.000	94	2195152	100.0	95.9	
115 n-Butylbenzene	91	9.022	9.022	0.000	98	4004983	100.0	99.5	
116 1,2-Dichlorobenzene	146	9.074	9.074	0.000	96	2197054	100.0	95.8	
117 1,2-Dibromo-3-Chloropropane	75	9.737	9.737	0.000	89	318562	100.0	103.7	
119 1,2,4-Trichlorobenzene	180	10.379	10.379	0.000	94	1589799	100.0	99.9	
120 Hexachlorobutadiene	225	10.493	10.493	0.000	98	742240	100.0	103.2	
121 Naphthalene	128	10.597	10.587	0.010	98	5031896	100.0	101.7	
122 1,2,3-Trichlorobenzene	180	10.794	10.794	0.000	96	1589871	100.0	97.6	
S 126 Xylenes, Total	1				0			196.6	
S 125 Total BTEX	1				0			485.4	
S 124 1,2-Dichloroethene, Total	1				0			190.6	
S 123 1,3-Dichloropropene, Total	1				0			205.9	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00195	Amount Added:	50.00	Units: uL	
GAS CORP mix_00421	Amount Added:	50.00	Units: uL	
T_8260_Surr_00210	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00249	Amount Added:	1.00	Units: uL	Run Reagent

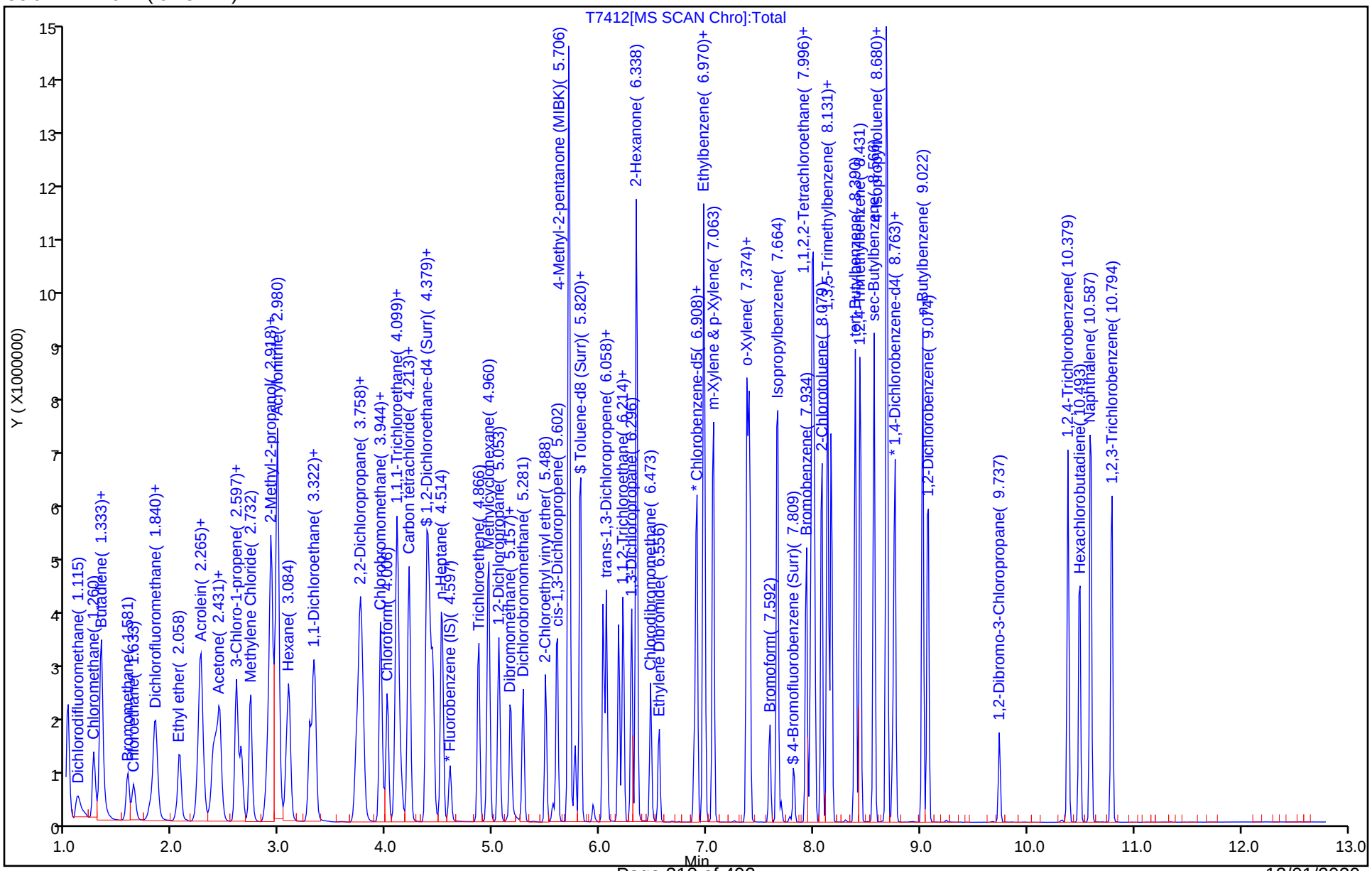
Report Date: 12-Oct-2020 11:24:55 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7412.D

Injection Date:	10-Oct-2020 15:48:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: ICV 480-559694/29 Calibration Date: 11/18/2020 18:53

Instrument ID: HP5973N Calib Start Date: 11/18/2020 14:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2020 16:52

Lab File ID: N7401.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.225	1.382	0.1000	28.2	25.0	12.8	50.0
Chloromethane	Ave	3.004	3.352	0.1000	27.9	25.0	11.6	30.0
Butadiene	Ave	2.505	2.884		28.8	25.0	15.1	30.0
Vinyl chloride	Ave	1.858	2.065	0.1000	27.8	25.0	11.1	30.0
Bromomethane	Ave	0.9447	0.9814	0.1000	26.0	25.0	3.9	50.0
Chloroethane	Ave	1.074	1.210	0.1000	28.2	25.0	12.7	50.0
Trichlorofluoromethane	Ave	1.922	2.336	0.1000	30.4	25.0	21.5	30.0
Dichlorofluoromethane	Ave	2.180	2.507		28.8	25.0	15.0	30.0
Ethyl ether	Ave	1.833	1.931		26.3	25.0	5.4	30.0
Acrolein	Ave	0.2186	0.2202		126	125	0.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.072	1.293	0.1000	30.2	25.0	20.7	30.0
1,1-Dichloroethene	Ave	1.025	1.207	0.1000	29.4	25.0	17.8	30.0
Acetone	Ave	0.9853	0.9539	0.1000	121	125	-3.2	50.0
Iodomethane	Ave	2.209	2.595		29.4	25.0	17.5	30.0
Carbon disulfide	Ave	3.249	4.039	0.1000	31.1	25.0	24.3	30.0
Allyl chloride	Ave	4.263	4.788		28.1	25.0	12.3	30.0
Methyl acetate	Ave	2.577	2.425	0.1000	47.1	50.0	-5.9	50.0
Methylene Chloride	Lin1		1.478	0.1000	28.7	25.0	14.7	30.0
2-Methyl-2-propanol	Ave	0.2415	0.2455		254	250	1.6	50.0
Methyl tert-butyl ether	Ave	4.031	4.506	0.1000	27.9	25.0	11.8	30.0
trans-1,2-Dichloroethene	Ave	1.303	1.469	0.1000	28.2	25.0	12.7	30.0
Acrylonitrile	Ave	1.260	1.281		254	250	1.7	30.0
Hexane	Ave	3.024	3.029		25.0	25.0	0.2	30.0
1,1-Dichloroethane	Ave	3.053	3.355	0.2000	27.5	25.0	9.9	30.0
Vinyl acetate	Ave	6.030	5.740		47.6	50.0	-4.8	30.0
2,2-Dichloropropane	Ave	1.312	1.545		29.4	25.0	17.7	30.0
cis-1,2-Dichloroethene	Ave	1.489	1.615	0.1000	27.1	25.0	8.5	30.0
2-Butanone (MEK)	Ave	1.627	1.403	0.1000	108	125	-13.8	30.0
Chlorobromomethane	Ave	0.8269	0.8989		27.2	25.0	8.7	30.0
Tetrahydrofuran	Ave	1.178	1.049		44.5	50.0	-11.0	30.0
Chloroform	Ave	2.527	2.551	0.2000	25.2	25.0	1.0	30.0
1,1,1-Trichloroethane	Ave	1.902	2.185	0.1000	28.7	25.0	14.9	30.0
Cyclohexane	Ave	3.736	4.149	0.1000	27.8	25.0	11.1	30.0
Carbon tetrachloride	Ave	1.647	1.944	0.1000	29.5	25.0	18.0	30.0
1,1-Dichloropropene	Ave	1.777	1.850		26.0	25.0	4.1	30.0
Benzene	Ave	5.374	5.363	0.5000	24.9	25.0	-0.2	30.0
Isobutyl alcohol	Ave	0.1131	0.1088		601	625	-3.8	50.0
1,2-Dichloroethane	Ave	2.815	2.717	0.1000	24.1	25.0	-3.5	30.0
n-Heptane	Ave	3.955	3.689		23.3	25.0	-6.7	30.0
Trichloroethene	Ave	1.380	1.394	0.2000	25.2	25.0	1.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: ICV 480-559694/29 Calibration Date: 11/18/2020 18:53

Instrument ID: HP5973N Calib Start Date: 11/18/2020 14:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2020 16:52

Lab File ID: N7401.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.066	2.407	0.1000	29.1	25.0	16.5	30.0
1,2-Dichloropropane	Ave	1.760	1.707	0.1000	24.3	25.0	-3.0	30.0
Dibromomethane	Ave	0.9189	0.9284	0.1000	25.3	25.0	1.0	30.0
1,4-Dioxane	Ave	0.0031	0.0027		441	500	-11.9	50.0
Bromodichloromethane	Ave	1.689	1.680	0.2000	24.9	25.0	-0.5	30.0
2-Chloroethyl vinyl ether	Ave	1.263	1.052		20.8	25.0	-16.7	30.0
cis-1,3-Dichloropropene	Ave	2.028	1.948	0.2000	24.0	25.0	-3.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2511	0.2603	0.1000	130	125	3.7	30.0
Toluene	Ave	0.8835	0.9160	0.4000	25.9	25.0	3.7	30.0
trans-1,3-Dichloropropene	Ave	0.4634	0.4603	0.1000	24.8	25.0	-0.7	30.0
Ethyl methacrylate	Ave	0.4112	0.4177		25.4	25.0	1.6	30.0
1,1,2-Trichloroethane	Ave	0.2535	0.2525	0.1000	24.9	25.0	-0.4	30.0
Tetrachloroethene	Ave	0.4115	0.4210	0.2000	25.6	25.0	2.3	30.0
1,3-Dichloropropane	Ave	0.5359	0.4969		23.2	25.0	-7.3	30.0
2-Hexanone	Ave	0.5275	0.4888	0.1000	116	125	-7.3	30.0
Dibromochloromethane	Ave	0.3312	0.3504	0.1000	26.4	25.0	5.8	30.0
1,2-Dibromoethane	Ave	0.3272	0.3423		26.2	25.0	4.6	30.0
Chlorobenzene	Ave	1.042	1.056	0.5000	25.3	25.0	1.3	30.0
Ethylbenzene	Ave	1.648	1.761	0.1000	26.7	25.0	6.9	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3489	0.3964		28.4	25.0	13.6	30.0
m,p-Xylene	Ave	0.6503	0.6908	0.1000	26.6	25.0	6.2	30.0
o-Xylene	Ave	0.6339	0.7047	0.3000	27.8	25.0	11.2	30.0
Styrene	Ave	1.076	1.140	0.3000	26.5	25.0	5.9	30.0
Bromoform	Ave	0.2004	0.2170	0.1000	27.1	25.0	8.3	50.0
Isopropylbenzene	Ave	3.060	3.214	0.1000	26.3	25.0	5.0	30.0
Bromobenzene	Ave	0.8427	0.7995		23.7	25.0	-5.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7742	0.7825	0.3000	25.3	25.0	1.1	30.0
N-Propylbenzene	Ave	3.537	3.648		25.8	25.0	3.1	30.0
1,2,3-Trichloropropane	Ave	0.2736	0.2481		22.7	25.0	-9.3	30.0
trans-1,4-Dichloro-2-butene	Ave	0.4213	0.3849		22.8	25.0	-8.6	50.0
2-Chlorotoluene	Ave	0.7555	0.7735		25.6	25.0	2.4	30.0
1,3,5-Trimethylbenzene	Ave	2.624	2.725		26.0	25.0	3.9	30.0
4-Chlorotoluene	Ave	2.259	2.158		23.9	25.0	-4.5	30.0
tert-Butylbenzene	Ave	0.5995	0.6142		25.6	25.0	2.4	30.0
1,2,4-Trimethylbenzene	Ave	2.662	2.796		26.3	25.0	5.0	30.0
sec-Butylbenzene	Ave	3.146	3.458		27.5	25.0	9.9	30.0
1,3-Dichlorobenzene	Ave	1.625	1.640	0.6000	25.2	25.0	0.9	30.0
4-Isopropyltoluene	Ave	2.888	3.121		27.0	25.0	8.1	30.0
1,4-Dichlorobenzene	Ave	1.636	1.677	0.5000	25.6	25.0	2.5	30.0
n-Butylbenzene	Ave	2.450	2.687		27.4	25.0	9.7	30.0
1,2-Dichlorobenzene	Ave	1.623	1.715	0.4000	26.4	25.0	5.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: ICV 480-559694/29 Calibration Date: 11/18/2020 18:53

Instrument ID: HP5973N Calib Start Date: 11/18/2020 14:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2020 16:52

Lab File ID: N7401.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1338	0.1572	0.0500	29.4	25.0	17.5	50.0
1,2,4-Trichlorobenzene	Ave	1.157	1.258	0.2000	27.2	25.0	8.7	30.0
Hexachlorobutadiene	Ave	0.5017	0.5595		27.9	25.0	11.5	30.0
Naphthalene	Ave	3.143	3.522		28.0	25.0	12.0	30.0
1,2,3-Trichlorobenzene	Ave	1.109	1.188		26.8	25.0	7.1	30.0
Dibromofluoromethane (Surr)	Ave	1.382	1.438		26.0	25.0	4.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.936	1.943		25.1	25.0	0.4	30.0
Toluene-d8 (Surr)	Ave	1.263	1.266		25.1	25.0	0.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4209	0.4395		26.1	25.0	4.4	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7401.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 18-Nov-2020 18:53:30 ALS Bottle#: 18 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0095054-029
Operator ID: LH Instrument ID: HP5973N
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Nov-2020 17:10:03 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1632

First Level Reviewer: cwiklinc Date: 18-Nov-2020 19:13:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	135177	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.585	0.000	90	502839	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	298480	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.984	0.006	93	194356	25.0	26.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	95	262625	25.0	25.1	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	636631	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	92	221020	25.0	26.1	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	97	186877	25.0	28.2	
13 Chloromethane	50	1.498	1.498	0.000	99	453164	25.0	27.9	
14 Vinyl chloride	62	1.601	1.601	0.000	56	279123	25.0	27.8	
144 Butadiene	54	1.601	1.601	0.000	97	389852	25.0	28.8	
15 Bromomethane	94	1.905	1.911	-0.006	92	132669	25.0	26.0	
16 Chloroethane	64	2.003	2.003	0.000	93	163574	25.0	28.2	
17 Dichlorofluoromethane	67	2.240	2.240	0.000	94	338922	25.0	28.8	
18 Trichlorofluoromethane	101	2.234	2.252	-0.018	67	315721	25.0	30.4	
19 Ethyl ether	59	2.538	2.538	0.000	91	261072	25.0	26.3	
20 Acrolein	56	2.727	2.727	0.000	99	148806	125.0	125.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.751	2.751	0.000	91	174849	25.0	30.2	
22 1,1-Dichloroethene	96	2.763	2.757	0.006	88	163114	25.0	29.4	
23 Acetone	43	2.891	2.891	0.000	97	644742	125.0	121.0	
24 Iodomethane	142	2.927	2.921	0.006	99	350741	25.0	29.4	
25 Carbon disulfide	76	2.964	2.964	0.000	97	546036	25.0	31.1	
27 3-Chloro-1-propene	41	3.146	3.146	0.000	86	647236	25.0	28.1	
28 Methyl acetate	43	3.195	3.189	0.006	99	655582	50.0	47.1	
30 Methylene Chloride	84	3.292	3.298	-0.006	87	199852	25.0	28.7	
31 2-Methyl-2-propanol	59	3.469	3.475	-0.006	99	331797	250.0	254.1	
32 Methyl tert-butyl ether	73	3.505	3.505	0.000	92	609147	25.0	27.9	
33 trans-1,2-Dichloroethene	96	3.523	3.524	-0.001	88	198618	25.0	28.2	
34 Acrylonitrile	53	3.584	3.584	0.000	98	1731362	250.0	254.2	
35 Hexane	57	3.724	3.718	0.006	96	409469	25.0	25.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.955	3.949	0.006	96	453461	25.0	27.5	
39 Vinyl acetate	43	4.004	4.004	0.000	96	1551949	50.0	47.6	
42 2,2-Dichloropropane	77	4.485	4.479	0.006	82	208805	25.0	29.4	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	87	218358	25.0	27.1	
44 2-Butanone (MEK)	43	4.552	4.546	0.006	95	948014	125.0	107.7	
47 Chlorobromomethane	128	4.752	4.752	0.000	85	121512	25.0	27.2	
49 Tetrahydrofuran	42	4.771	4.771	0.000	91	283673	50.0	44.5	
50 Chloroform	83	4.831	4.832	-0.001	93	344807	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.947	4.941	0.006	94	295342	25.0	28.7	
52 Cyclohexane	56	4.953	4.947	0.006	93	560824	25.0	27.8	
53 Carbon tetrachloride	117	5.081	5.081	0.000	95	262786	25.0	29.5	
54 1,1-Dichloropropene	75	5.099	5.099	0.000	82	250028	25.0	26.0	
55 Benzene	78	5.306	5.306	0.000	96	725000	25.0	24.9	
56 Isobutyl alcohol	43	5.318	5.318	0.000	94	367724	625.0	601.2	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	95	367244	25.0	24.1	
59 n-Heptane	43	5.476	5.476	0.000	95	498626	25.0	23.3	
60 Trichloroethene	95	5.914	5.914	0.000	92	188371	25.0	25.2	
62 Methylcyclohexane	83	6.030	6.036	-0.006	91	325327	25.0	29.1	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	86	230783	25.0	24.3	
64 Dibromomethane	93	6.298	6.298	0.000	92	125493	25.0	25.3	
66 1,4-Dioxane	88	6.310	6.304	0.006	40	27548	500.0	440.6	
67 Dichlorobromomethane	83	6.450	6.450	0.000	94	227096	25.0	24.9	
69 2-Chloroethyl vinyl ether	63	6.723	6.724	-0.001	83	142213	25.0	20.8	
71 cis-1,3-Dichloropropene	75	6.869	6.870	-0.001	81	263378	25.0	24.0	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	97	654345	125.0	129.6	
73 Toluene	92	7.155	7.155	0.000	96	460577	25.0	25.9	
75 trans-1,3-Dichloropropene	75	7.441	7.435	0.006	93	231456	25.0	24.8	
77 Ethyl methacrylate	69	7.478	7.478	0.000	88	210029	25.0	25.4	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	94	126960	25.0	24.9	
79 Tetrachloroethene	166	7.691	7.691	0.000	96	211683	25.0	25.6	
80 1,3-Dichloropropane	76	7.794	7.788	0.006	86	249867	25.0	23.2	
82 2-Hexanone	43	7.855	7.855	0.000	97	1228966	125.0	115.8	
83 Chlorodibromomethane	129	8.031	8.031	0.000	90	176183	25.0	26.4	
84 Ethylene Dibromide	107	8.135	8.135	0.000	97	172140	25.0	26.2	
85 Chlorobenzene	112	8.609	8.609	0.000	93	530964	25.0	25.3	
88 Ethylbenzene	91	8.701	8.701	0.000	98	885482	25.0	26.7	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.707	0.000	91	199324	25.0	28.4	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	98	347370	25.0	26.6	
91 o-Xylene	106	9.254	9.254	0.000	97	354366	25.0	27.8	
92 Styrene	104	9.285	9.285	0.000	93	573032	25.0	26.5	
93 Bromoform	173	9.534	9.534	0.000	96	109131	25.0	27.1	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	959239	25.0	26.3	
97 Bromobenzene	156	9.978	9.978	0.000	85	238623	25.0	23.7	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.033	0.000	93	233572	25.0	25.3	
100 N-Propylbenzene	91	10.051	10.051	0.000	98	1088859	25.0	25.8	
99 1,2,3-Trichloropropane	110	10.063	10.069	-0.006	94	74053	25.0	22.7	
101 trans-1,4-Dichloro-2-butene	53	10.076	10.076	0.000	81	114872	25.0	22.8	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	230884	25.0	25.6	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	96	813380	25.0	26.0	
105 4-Chlorotoluene	91	10.270	10.270	0.000	97	644025	25.0	23.9	
106 tert-Butylbenzene	134	10.544	10.544	0.000	96	183319	25.0	25.6	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	834402	25.0	26.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	1032230	25.0	27.5	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	97	931419	25.0	27.0	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	93	489493	25.0	25.2	
113 1,4-Dichlorobenzene	146	10.982	10.982	0.000	95	500643	25.0	25.6	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	801998	25.0	27.4	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	511919	25.0	26.4	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	80	46912	25.0	29.4	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	94	375470	25.0	27.2	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	97	166997	25.0	27.9	
121 Naphthalene	128	12.947	12.947	0.000	97	1051256	25.0	28.0	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	97	354554	25.0	26.8	

QC Flag Legend

Processing Flags

Reagents:

SS 8260 CORP_00087	Amount Added: 12.50	Units: uL	
SS GAS CORP_00378	Amount Added: 12.50	Units: uL	
N_8260_Surr_00404	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00202	Amount Added: 1.00	Units: uL	Run Reagent

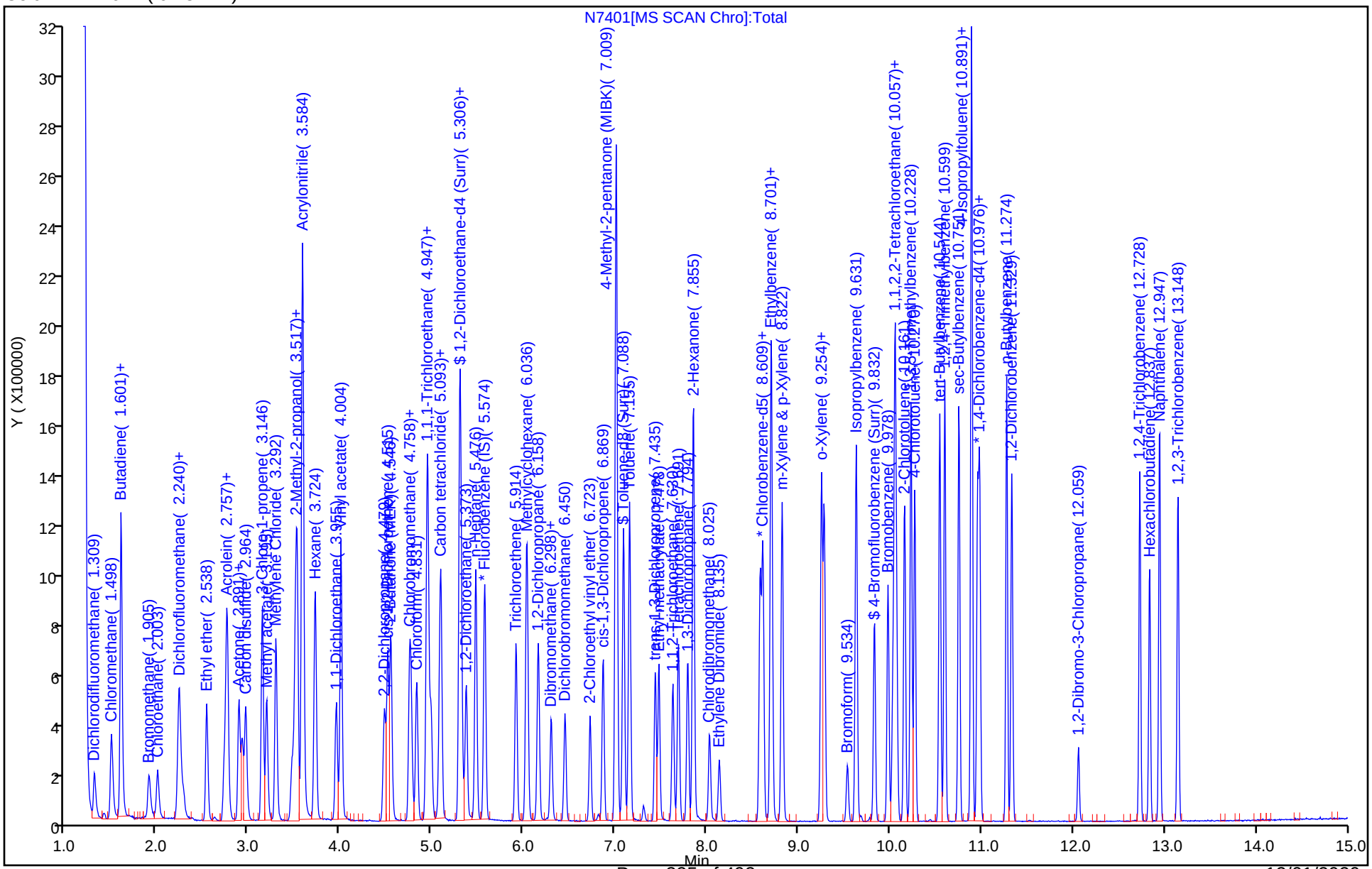
Report Date: 18-Nov-2020 19:13:13 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7401.D

Injection Date:	18-Nov-2020 18:53:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	ICV			Worklist Smp#:	29
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: CCVIS 480-560828/3 Calibration Date: 11/25/2020 08:47

Instrument ID: HP5973N Calib Start Date: 11/18/2020 14:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2020 16:52

Lab File ID: N7753.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.225	1.225	0.1000	25.0	25.0	0.0	50.0
Chloromethane	Ave	3.004	2.926	0.1000	24.3	25.0	-2.6	20.0
Butadiene	Ave	2.505	2.906		29.0	25.0	16.0	20.0
Vinyl chloride	Ave	1.858	1.957	0.1000	26.3	25.0	5.3	20.0
Bromomethane	Ave	0.9447	0.8836	0.1000	23.4	25.0	-6.5	50.0
Chloroethane	Ave	1.074	1.120	0.1000	26.1	25.0	4.3	50.0
Dichlorofluoromethane	Ave	2.180	2.331		26.7	25.0	6.9	20.0
Trichlorofluoromethane	Ave	1.922	2.253	0.1000	29.3	25.0	17.2	20.0
Ethyl ether	Ave	1.833	2.027		27.6	25.0	10.6	20.0
Acrolein	Ave	0.2186	0.2046		117	125	-6.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.072	1.304	0.1000	30.4	25.0	21.6*	20.0
1,1-Dichloroethene	Ave	1.025	1.204	0.1000	29.4	25.0	17.5	20.0
Acetone	Ave	0.9853	1.001	0.1000	127	125	1.6	50.0
Iodomethane	Ave	2.209	2.468		27.9	25.0	11.7	20.0
Carbon disulfide	Ave	3.249	3.916	0.1000	30.1	25.0	20.5*	20.0
Allyl chloride	Ave	4.263	4.844		28.4	25.0	13.6	20.0
Methyl acetate	Ave	2.577	2.506	0.1000	48.6	50.0	-2.7	50.0
Methylene Chloride	Lin1		1.422	0.1000	27.6	25.0	10.2	20.0
2-Methyl-2-propanol	Ave	0.2415	0.2634		273	250	9.1	50.0
Methyl tert-butyl ether	Ave	4.031	4.146	0.1000	25.7	25.0	2.8	20.0
trans-1,2-Dichloroethene	Ave	1.303	1.436	0.1000	27.5	25.0	10.2	20.0
Acrylonitrile	Ave	1.260	1.229		244	250	-2.5	20.0
Hexane	Ave	3.024	3.657		30.2	25.0	20.9*	20.0
1,1-Dichloroethane	Ave	3.053	3.314	0.2000	27.1	25.0	8.6	20.0
Vinyl acetate	Ave	6.030	6.803		56.4	50.0	12.8	20.0
2,2-Dichloropropane	Ave	1.312	1.645		31.3	25.0	25.3*	20.0
cis-1,2-Dichloroethene	Ave	1.489	1.537	0.1000	25.8	25.0	3.2	20.0
2-Butanone (MEK)	Ave	1.627	1.565	0.1000	120	125	-3.8	20.0
Chlorobromomethane	Ave	0.8269	0.8718		26.4	25.0	5.4	20.0
Tetrahydrofuran	Ave	1.178	1.071		45.5	50.0	-9.1	20.0
Chloroform	Ave	2.527	2.517	0.2000	24.9	25.0	-0.4	20.0
1,1,1-Trichloroethane	Ave	1.902	2.129	0.1000	28.0	25.0	12.0	20.0
Cyclohexane	Ave	3.736	4.400	0.1000	29.4	25.0	17.8	20.0
Carbon tetrachloride	Ave	1.647	1.983	0.1000	30.1	25.0	20.4*	20.0
1,1-Dichloropropene	Ave	1.777	0.1060		1.49	25.0	-94.0*	20.0
Benzene	Ave	5.374	5.590	0.5000	26.0	25.0	4.0	20.0
Isobutyl alcohol	Ave	0.1131	0.1485		820	625	31.2	50.0
1,2-Dichloroethane	Ave	2.815	2.774	0.1000	24.6	25.0	-1.5	20.0
n-Heptane	Ave	3.955	4.751		30.0	25.0	20.1*	20.0
Trichloroethene	Ave	1.380	1.490	0.2000	27.0	25.0	7.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: CCVIS 480-560828/3 Calibration Date: 11/25/2020 08:47

Instrument ID: HP5973N Calib Start Date: 11/18/2020 14:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2020 16:52

Lab File ID: N7753.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.066	2.539	0.1000	30.7	25.0	22.9*	20.0
1,2-Dichloropropane	Ave	1.760	1.861	0.1000	26.4	25.0	5.8	20.0
Dibromomethane	Ave	0.9189	0.8918	0.1000	24.3	25.0	-2.9	20.0
1,4-Dioxane	Ave	0.0031	0.0042		675	500	35.0	50.0
Bromodichloromethane	Ave	1.689	1.822	0.2000	27.0	25.0	7.9	20.0
2-Chloroethyl vinyl ether	Ave	1.263	1.185		23.5	25.0	-6.1	20.0
cis-1,3-Dichloropropene	Ave	2.028	2.153	0.2000	26.5	25.0	6.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2511	0.2470	0.1000	123	125	-1.6	20.0
Toluene	Ave	0.8835	0.9625	0.4000	27.2	25.0	8.9	20.0
trans-1,3-Dichloropropene	Ave	0.4634	0.5162	0.1000	27.8	25.0	11.4	20.0
Ethyl methacrylate	Ave	0.4112	0.4211		25.6	25.0	2.4	20.0
1,1,2-Trichloroethane	Ave	0.2535	0.2546	0.1000	25.1	25.0	0.4	20.0
Tetrachloroethene	Ave	0.4115	0.4322	0.2000	26.3	25.0	5.0	20.0
1,3-Dichloropropane	Ave	0.5359	0.5440		25.4	25.0	1.5	20.0
2-Hexanone	Ave	0.5275	0.5103	0.1000	121	125	-3.3	20.0
Dibromochloromethane	Ave	0.3312	0.3667	0.1000	27.7	25.0	10.7	20.0
1,2-Dibromoethane	Ave	0.3272	0.3404		26.0	25.0	4.0	20.0
Chlorobenzene	Ave	1.042	1.094	0.5000	26.2	25.0	5.0	20.0
Ethylbenzene	Ave	1.648	1.752	0.1000	26.6	25.0	6.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3489	0.4120		29.5	25.0	18.1	20.0
m,p-Xylene	Ave	0.6503	0.7035	0.1000	27.0	25.0	8.2	20.0
o-Xylene	Ave	0.6339	0.6813	0.3000	26.9	25.0	7.5	20.0
Styrene	Ave	1.076	1.116	0.3000	25.9	25.0	3.7	20.0
Bromoform	Ave	0.2004	0.2242	0.1000	28.0	25.0	11.9	50.0
Isopropylbenzene	Ave	3.060	3.382	0.1000	27.6	25.0	10.5	20.0
Bromobenzene	Ave	0.8427	0.8901		26.4	25.0	5.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7742	0.7656	0.3000	24.7	25.0	-1.1	20.0
N-Propylbenzene	Ave	3.537	3.889		27.5	25.0	9.9	20.0
1,2,3-Trichloropropane	Ave	0.2736	0.2481		22.7	25.0	-9.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4213	0.3920		23.3	25.0	-6.9	50.0
2-Chlorotoluene	Ave	0.7555	0.8218		27.2	25.0	8.8	20.0
1,3,5-Trimethylbenzene	Ave	2.624	2.837		27.0	25.0	8.1	20.0
4-Chlorotoluene	Ave	2.259	2.296		25.4	25.0	1.6	20.0
tert-Butylbenzene	Ave	0.5995	0.6741		28.1	25.0	12.4	20.0
1,2,4-Trimethylbenzene	Ave	2.662	2.837		26.6	25.0	6.6	20.0
sec-Butylbenzene	Ave	3.146	3.563		28.3	25.0	13.3	20.0
1,3-Dichlorobenzene	Ave	1.625	1.684	0.6000	25.9	25.0	3.6	20.0
4-Isopropyltoluene	Ave	2.888	3.207		27.8	25.0	11.1	20.0
1,4-Dichlorobenzene	Ave	1.636	1.702	0.5000	26.0	25.0	4.1	20.0
n-Butylbenzene	Ave	2.450	2.703		27.6	25.0	10.3	20.0
1,2-Dichlorobenzene	Ave	1.623	1.698	0.4000	26.2	25.0	4.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: CCVIS 480-560828/3 Calibration Date: 11/25/2020 08:47

Instrument ID: HP5973N Calib Start Date: 11/18/2020 14:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/18/2020 16:52

Lab File ID: N7753.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1338	0.1314	0.0500	24.6	25.0	-1.7	50.0
1,2,4-Trichlorobenzene	Ave	1.157	1.249	0.2000	27.0	25.0	8.0	20.0
Hexachlorobutadiene	Ave	0.5017	0.5728		28.5	25.0	14.2	20.0
Naphthalene	Ave	3.143	3.109		24.7	25.0	-1.1	20.0
1,2,3-Trichlorobenzene	Ave	1.109	1.163		26.2	25.0	4.8	20.0
Dibromofluoromethane (Surr)	Ave	1.382	1.399		25.3	25.0	1.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.936	2.010		26.0	25.0	3.8	20.0
Toluene-d8 (Surr)	Ave	1.263	1.335		26.4	25.0	5.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4209	0.4511		26.8	25.0	7.2	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7753.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Nov-2020 08:47:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0095244-003
Operator ID: AM Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2020 11:34:28 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: moffata Date: 25-Nov-2020 11:34:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	144743	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.585	0.000	90	552676	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	298022	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.990	0.000	93	202528	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	96	290914	25.0	26.0	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	96	737923	25.0	26.4	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	93	249298	25.0	26.8	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	97	177376	25.0	25.0	
13 Chloromethane	50	1.498	1.498	0.000	99	423493	25.0	24.3	
144 Butadiene	54	1.601	1.601	0.000	96	420582	25.0	29.0	
14 Vinyl chloride	62	1.607	1.607	0.000	52	283311	25.0	26.3	
15 Bromomethane	94	1.905	1.905	0.000	93	127902	25.0	23.4	
16 Chloroethane	64	2.003	2.003	0.000	94	162161	25.0	26.1	
17 Dichlorofluoromethane	67	2.240	2.240	0.000	94	337375	25.0	26.7	
18 Trichlorofluoromethane	101	2.240	2.240	0.000	67	326099	25.0	29.3	
19 Ethyl ether	59	2.538	2.538	0.000	91	293348	25.0	27.6	
20 Acrolein	56	2.727	2.727	0.000	100	148067	125.0	117.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.757	2.757	0.000	61	188728	25.0	30.4	
22 1,1-Dichloroethene	96	2.763	2.763	0.000	88	174316	25.0	29.4	
23 Acetone	43	2.891	2.891	0.000	97	724764	125.0	127.0	
24 Iodomethane	142	2.927	2.927	0.000	99	357296	25.0	27.9	
25 Carbon disulfide	76	2.964	2.964	0.000	97	566845	25.0	30.1	
27 3-Chloro-1-propene	41	3.146	3.146	0.000	87	701170	25.0	28.4	
28 Methyl acetate	43	3.189	3.189	0.000	99	725471	50.0	48.6	
30 Methylene Chloride	84	3.292	3.292	0.000	87	205768	25.0	27.6	
31 2-Methyl-2-propanol	59	3.469	3.469	0.000	95	381227	250.0	272.6	
32 Methyl tert-butyl ether	73	3.511	3.511	0.000	91	600108	25.0	25.7	
33 trans-1,2-Dichloroethene	96	3.530	3.530	0.000	88	207819	25.0	27.5	
34 Acrylonitrile	53	3.584	3.584	0.000	98	1778378	250.0	243.9	
35 Hexane	57	3.724	3.724	0.000	95	529299	25.0	30.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.955	3.955	0.000	96	479703	25.0	27.1	
39 Vinyl acetate	43	4.004	4.004	0.000	96	1969394	50.0	56.4	
42 2,2-Dichloropropane	77	4.479	4.479	0.000	77	238036	25.0	31.3	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	88	222512	25.0	25.8	
44 2-Butanone (MEK)	43	4.552	4.552	0.000	95	1132680	125.0	120.2	
47 Chlorobromomethane	128	4.752	4.752	0.000	84	126188	25.0	26.4	
49 Tetrahydrofuran	42	4.771	4.771	0.000	92	310107	50.0	45.5	
50 Chloroform	83	4.831	4.831	0.000	94	364341	25.0	24.9	
51 1,1,1-Trichloroethane	97	4.947	4.947	0.000	96	308209	25.0	28.0	
52 Cyclohexane	56	4.953	4.953	0.000	92	636841	25.0	29.4	
53 Carbon tetrachloride	117	5.081	5.081	0.000	94	287093	25.0	30.1	
54 1,1-Dichloropropene	75	5.306	5.306	0.000	54	15342	25.0	1.49	
55 Benzene	78	5.306	5.306	0.000	90	809111	25.0	26.0	
56 Isobutyl alcohol	43	5.318	5.318	0.000	95	537197	625.0	820.2	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	94	401511	25.0	24.6	
59 n-Heptane	43	5.476	5.476	0.000	94	687714	25.0	30.0	
60 Trichloroethene	95	5.914	5.914	0.000	91	215647	25.0	27.0	
62 Methylcyclohexane	83	6.036	6.036	0.000	90	367549	25.0	30.7	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	86	269364	25.0	26.4	
64 Dibromomethane	93	6.298	6.298	0.000	91	129081	25.0	24.3	
66 1,4-Dioxane	88	6.304	6.304	0.000	49	46393	500.0	675.0	
67 Dichlorobromomethane	83	6.450	6.450	0.000	95	263698	25.0	27.0	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	82	171534	25.0	23.5	
71 cis-1,3-Dichloropropene	75	6.869	6.869	0.000	80	311605	25.0	26.5	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	97	682474	125.0	123.0	
73 Toluene	92	7.155	7.155	0.000	97	531927	25.0	27.2	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	90	285309	25.0	27.8	
77 Ethyl methacrylate	69	7.478	7.478	0.000	86	232733	25.0	25.6	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	94	140703	25.0	25.1	
79 Tetrachloroethene	166	7.691	7.691	0.000	96	238881	25.0	26.3	
80 1,3-Dichloropropane	76	7.794	7.794	0.000	85	300657	25.0	25.4	
82 2-Hexanone	43	7.855	7.855	0.000	97	1410164	125.0	120.9	
83 Chlorodibromomethane	129	8.031	8.031	0.000	89	202665	25.0	27.7	
84 Ethylene Dibromide	107	8.135	8.135	0.000	98	188117	25.0	26.0	
85 Chlorobenzene	112	8.609	8.609	0.000	93	604877	25.0	26.2	
88 Ethylbenzene	91	8.701	8.701	0.000	98	968418	25.0	26.6	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.707	0.000	91	227729	25.0	29.5	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	96	388794	25.0	27.0	
91 o-Xylene	106	9.254	9.254	0.000	97	376522	25.0	26.9	
92 Styrene	104	9.285	9.285	0.000	92	616748	25.0	25.9	
93 Bromoform	173	9.534	9.534	0.000	97	123901	25.0	28.0	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	1007855	25.0	27.6	
97 Bromobenzene	156	9.978	9.978	0.000	83	265263	25.0	26.4	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.033	0.000	93	228170	25.0	24.7	
100 N-Propylbenzene	91	10.051	10.051	0.000	98	1158859	25.0	27.5	
99 1,2,3-Trichloropropane	110	10.063	10.063	0.000	93	73936	25.0	22.7	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.075	0.000	71	116836	25.0	23.3	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	244920	25.0	27.2	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	95	845497	25.0	27.0	
105 4-Chlorotoluene	91	10.270	10.270	0.000	97	684169	25.0	25.4	
106 tert-Butylbenzene	134	10.544	10.544	0.000	96	200886	25.0	28.1	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	845405	25.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	1061912	25.0	28.3	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	72	501729	25.0	25.9	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	97	955813	25.0	27.8	
113 1,4-Dichlorobenzene	146	10.982	10.982	0.000	94	507336	25.0	26.0	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	805585	25.0	27.6	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	506081	25.0	26.2	
117 1,2-Dibromo-3-Chloropropane	75	12.053	12.053	0.000	78	39173	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	372178	25.0	27.0	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	97	170696	25.0	28.5	
121 Naphthalene	128	12.947	12.947	0.000	97	926582	25.0	24.7	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	96	346602	25.0	26.2	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00429	Amount Added: 12.50	Units: uL	
8260 CORP mix_00198	Amount Added: 12.50	Units: uL	
N 8260 IS_00202	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00404	Amount Added: 1.00	Units: uL	Run Reagent

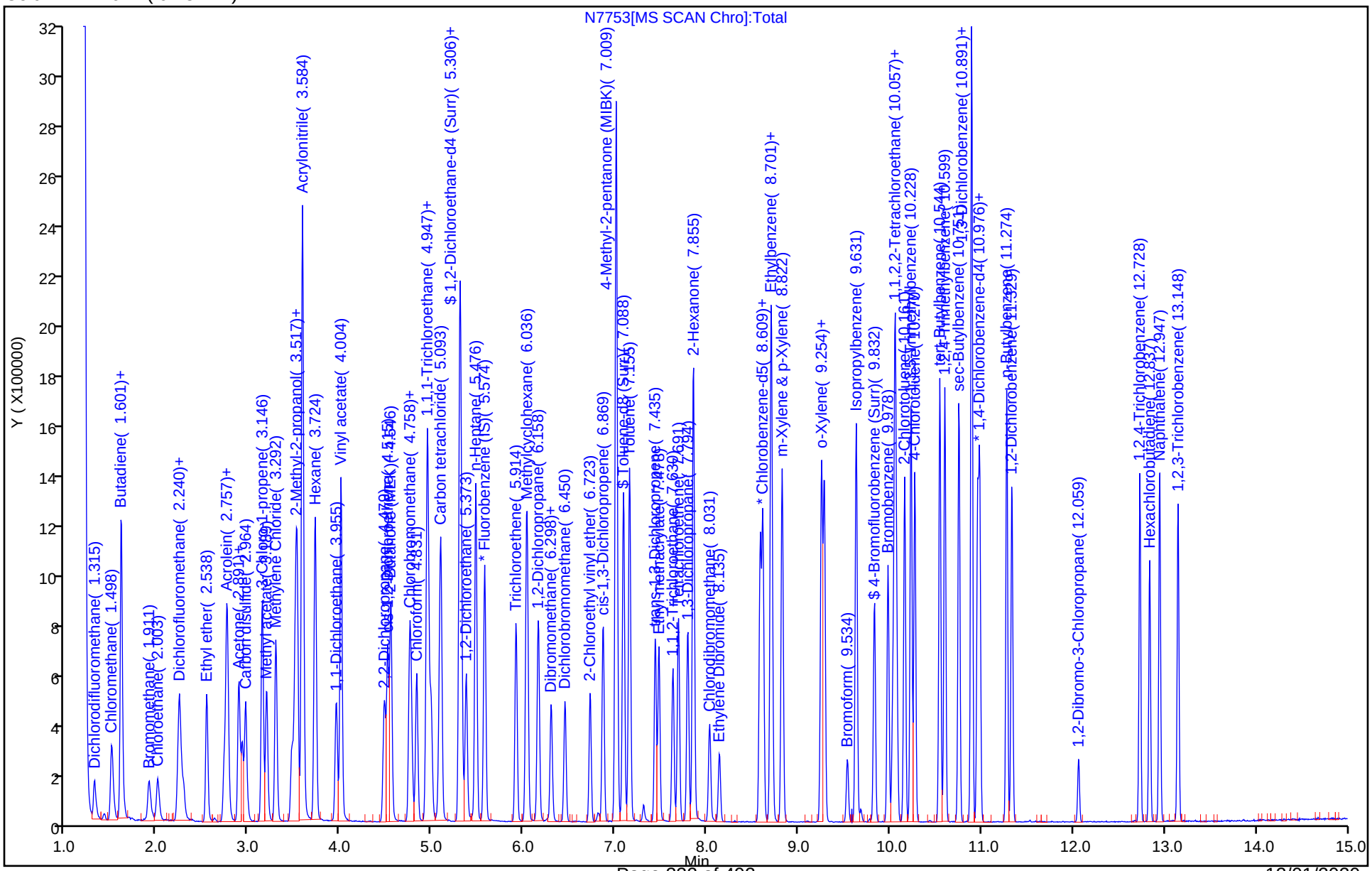
Report Date: 25-Nov-2020 11:34:30 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7753.D

Injection Date:	25-Nov-2020 08:47:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: ICV 480-559938/29 Calibration Date: 11/19/2020 23:14

Instrument ID: HP5973S Calib Start Date: 11/19/2020 15:09

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/19/2020 17:50

Lab File ID: S4461.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.635	1.859	0.1000	28.4	25.0	13.7	50.0
Chloromethane	Ave	2.254	2.396	0.1000	26.6	25.0	6.3	30.0
Butadiene	Ave	2.198	2.499		28.4	25.0	13.7	30.0
Vinyl chloride	Ave	1.944	2.043	0.1000	26.3	25.0	5.1	30.0
Bromomethane	Ave	1.158	1.301	0.1000	28.1	25.0	12.3	50.0
Chloroethane	Ave	1.178	1.235	0.1000	26.2	25.0	4.9	50.0
Dichlorofluoromethane	Ave	2.522	2.749		27.3	25.0	9.0	30.0
Trichlorofluoromethane	Ave	2.261	2.589	0.1000	28.6	25.0	14.5	30.0
Ethyl ether	Ave	1.547	1.661		26.9	25.0	7.4	30.0
Acrolein	Ave	0.1467	0.1404		120	125	-4.3	50.0
1,1-Dichloroethene	Ave	1.406	1.558	0.1000	27.7	25.0	10.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.429	1.583	0.1000	27.7	25.0	10.8	30.0
Acetone	Ave	0.6773	0.6462	0.1000	119	125	-4.6	50.0
Iodomethane	Ave	2.540	2.621		25.8	25.0	3.2	30.0
Carbon disulfide	Ave	4.212	5.004	0.1000	29.7	25.0	18.8	30.0
Allyl chloride	Ave	2.649	3.238		30.6	25.0	22.3	30.0
Methyl acetate	Ave	1.595	1.689	0.1000	52.9	50.0	5.9	50.0
Methylene Chloride	Lin1		1.761	0.1000	26.5	25.0	5.9	30.0
2-Methyl-2-propanol	Ave	0.1889	0.1941		257	250	2.8	50.0
Methyl tert-butyl ether	Ave	4.902	5.234	0.1000	26.7	25.0	6.8	30.0
trans-1,2-Dichloroethene	Ave	1.702	1.822	0.1000	26.8	25.0	7.1	30.0
Acrylonitrile	Ave	0.8538	0.9247		271	250	8.3	30.0
Hexane	Ave	2.646	2.799		26.4	25.0	5.8	30.0
1,1-Dichloroethane	Ave	2.988	3.253	0.2000	27.2	25.0	8.9	30.0
Vinyl acetate	Ave	4.288	4.457		52.0	50.0	3.9	30.0
2,2-Dichloropropane	Ave	1.821	1.993		27.4	25.0	9.4	30.0
cis-1,2-Dichloroethene	Ave	1.809	1.893	0.1000	26.2	25.0	4.6	30.0
2-Butanone (MEK)	Ave	0.9896	1.047	0.1000	132	125	5.8	30.0
Chlorobromomethane	Ave	0.8731	0.9697		27.8	25.0	11.1	30.0
Tetrahydrofuran	Ave	0.7140	0.6997		49.0	50.0	-2.0	30.0
Chloroform	Ave	3.007	3.048	0.2000	25.3	25.0	1.4	30.0
1,1,1-Trichloroethane	Ave	2.360	2.636	0.1000	27.9	25.0	11.7	30.0
Cyclohexane	Ave	3.186	3.621	0.1000	28.4	25.0	13.6	30.0
Carbon tetrachloride	Ave	1.969	2.285	0.1000	29.0	25.0	16.0	30.0
1,1-Dichloropropene	Ave	2.204	2.379		27.0	25.0	8.0	30.0
Benzene	Ave	6.441	6.921	0.5000	26.9	25.0	7.5	30.0
Isobutyl alcohol	Ave	0.0868	0.0715		514	625	-17.7	50.0
1,2-Dichloroethane	Ave	2.480	2.586	0.1000	26.1	25.0	4.3	30.0
n-Heptane	Ave	2.942	3.139		26.7	25.0	6.7	30.0
Trichloroethene	Ave	1.669	1.832	0.2000	27.4	25.0	9.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: ICV 480-559938/29 Calibration Date: 11/19/2020 23:14

Instrument ID: HP5973S Calib Start Date: 11/19/2020 15:09

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/19/2020 17:50

Lab File ID: S4461.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.783	3.265	0.1000	29.3	25.0	17.3	30.0
1,2-Dichloropropane	Ave	1.674	1.761	0.1000	26.3	25.0	5.2	30.0
1,4-Dioxane	Ave	0.0071	0.0054		378	500	-24.4	50.0
Dibromomethane	Ave	1.039	1.080	0.1000	26.0	25.0	3.9	30.0
Bromodichloromethane	Ave	2.021	2.141	0.2000	26.5	25.0	5.9	30.0
2-Chloroethyl vinyl ether	Ave	1.201	1.161		24.2	25.0	-3.4	30.0
cis-1,3-Dichloropropene	Ave	2.431	2.641	0.2000	27.2	25.0	8.7	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.065	1.114	0.1000	131	125	4.6	30.0
Toluene	Ave	1.949	2.002	0.4000	25.7	25.0	2.7	30.0
trans-1,3-Dichloropropene	Ave	1.094	1.098	0.1000	25.1	25.0	0.3	30.0
Ethyl methacrylate	Ave	0.9686	1.027		26.5	25.0	6.0	30.0
1,1,2-Trichloroethane	Ave	0.5801	0.5859	0.1000	25.2	25.0	1.0	30.0
Tetrachloroethene	Ave	0.7962	0.8474	0.2000	26.6	25.0	6.4	30.0
1,3-Dichloropropane	Ave	1.226	1.210		24.7	25.0	-1.4	30.0
2-Hexanone	Ave	0.7554	0.7593	0.1000	126	125	0.5	30.0
Dibromochloromethane	Ave	0.6944	0.7045	0.1000	25.4	25.0	1.5	30.0
1,2-Dibromoethane	Ave	0.7555	0.7452		24.7	25.0	-1.4	30.0
Chlorobenzene	Ave	2.111	2.180	0.5000	25.8	25.0	3.3	30.0
Ethylbenzene	Ave	3.710	3.906	0.1000	26.3	25.0	5.3	30.0
1,1,1,2-Tetrachloroethane	Ave	0.7403	0.7664		25.9	25.0	3.5	30.0
m,p-Xylene	Ave	1.393	1.472	0.1000	26.4	25.0	5.7	30.0
o-Xylene	Ave	1.393	1.480	0.3000	26.6	25.0	6.2	30.0
Styrene	Ave	2.207	2.441	0.3000	27.6	25.0	10.6	30.0
Bromoform	Ave	0.4242	0.4950	0.1000	29.2	25.0	16.7	50.0
Isopropylbenzene	Ave	3.729	4.190	0.1000	28.1	25.0	12.4	30.0
Bromobenzene	Ave	0.9755	1.043		26.7	25.0	7.0	30.0
1,1,2,2-Tetrachloroethane	Ave	1.052	1.113	0.3000	26.5	25.0	5.8	30.0
N-Propylbenzene	Ave	4.575	5.046		27.6	25.0	10.3	30.0
1,2,3-Trichloropropane	Ave	0.3544	0.3673		25.9	25.0	3.6	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2751	0.2982		27.1	25.0	8.4	50.0
2-Chlorotoluene	Ave	0.9233	1.024		27.7	25.0	10.9	30.0
1,3,5-Trimethylbenzene	Ave	3.248	3.506		27.0	25.0	7.9	30.0
4-Chlorotoluene	Ave	0.9399	1.027		27.3	25.0	9.3	30.0
tert-Butylbenzene	Ave	0.7553	0.7942		26.3	25.0	5.1	30.0
1,2,4-Trimethylbenzene	Ave	3.272	3.506		26.8	25.0	7.1	30.0
sec-Butylbenzene	Ave	4.232	4.630		27.4	25.0	9.4	30.0
1,3-Dichlorobenzene	Ave	1.921	2.049	0.6000	26.7	25.0	6.7	30.0
4-Isopropyltoluene	Ave	3.666	3.990		27.2	25.0	8.8	30.0
1,4-Dichlorobenzene	Ave	1.963	2.066	0.5000	26.3	25.0	5.2	30.0
n-Butylbenzene	Ave	3.412	3.815		28.0	25.0	11.8	30.0
1,2-Dichlorobenzene	Ave	1.887	2.045	0.4000	27.1	25.0	8.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: ICV 480-559938/29 Calibration Date: 11/19/2020 23:14

Instrument ID: HP5973S Calib Start Date: 11/19/2020 15:09

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/19/2020 17:50

Lab File ID: S4461.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2013	0.2203	0.0500	27.4	25.0	9.4	50.0
1,2,4-Trichlorobenzene	Ave	1.424	1.517	0.2000	26.6	25.0	6.5	30.0
Hexachlorobutadiene	Ave	0.5989	0.6663		27.8	25.0	11.3	30.0
Naphthalene	Ave	3.751	4.135		27.6	25.0	10.2	30.0
1,2,3-Trichlorobenzene	Ave	1.342	1.461		27.2	25.0	8.8	30.0
Dibromofluoromethane (Surr)	Ave	1.305	1.424		27.3	25.0	9.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8536	0.9161		26.8	25.0	7.3	30.0
Toluene-d8 (Surr)	Ave	2.483	2.507		25.2	25.0	1.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.7616	0.7586		24.9	25.0	-0.4	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4461.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 19-Nov-2020 23:14:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0095091-029
Operator ID: LH Instrument ID: HP5973S
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Nov-2020 11:18:25 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: HillL Date: 20-Nov-2020 11:08:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.345	5.352	-0.007	98	170177	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.333	0.006	88	374086	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.729	10.730	-0.001	50	349854	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.762	0.007	58	242281	25.0	27.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	53	155904	25.0	26.8	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	86	937851	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.586	9.592	-0.006	84	283765	25.0	24.9	
10 Dichlorodifluoromethane	85	1.227	1.227	0.000	87	316279	25.0	28.4	
12 Chloromethane	50	1.403	1.409	-0.006	89	407725	25.0	26.6	
13 Vinyl chloride	62	1.495	1.495	-0.001	45	347743	25.0	26.3	
151 Butadiene	54	1.495	1.495	-0.001	65	425201	25.0	28.4	
14 Bromomethane	94	1.787	1.780	0.006	92	221361	25.0	28.1	
15 Chloroethane	64	1.866	1.860	0.006	94	210125	25.0	26.2	
16 Dichlorofluoromethane	67	2.085	2.085	0.000	93	467886	25.0	27.3	
17 Trichlorofluoromethane	101	2.085	2.085	0.000	77	440651	25.0	28.6	
18 Ethyl ether	59	2.364	2.364	0.000	97	282737	25.0	26.9	
20 Acrolein	56	2.547	2.547	0.000	92	119504	125.0	119.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.583	2.565	0.018	65	269382	25.0	27.7	
22 1,1-Dichloroethene	96	2.577	2.571	0.006	95	265162	25.0	27.7	
23 Acetone	43	2.711	2.699	0.012	99	549840	125.0	119.3	
25 Iodomethane	142	2.736	2.736	0.000	98	446032	25.0	25.8	
26 Carbon disulfide	76	2.766	2.766	0.000	100	851590	25.0	29.7	
28 3-Chloro-1-propene	41	2.955	2.948	0.007	87	551070	25.0	30.6	
27 Methyl acetate	43	2.997	2.997	0.000	96	574746	50.0	52.9	
30 Methylene Chloride	84	3.094	3.095	0.000	98	299748	25.0	26.5	
31 2-Methyl-2-propanol	59	3.271	3.271	0.000	92	330306	250.0	256.9	
32 Methyl tert-butyl ether	73	3.307	3.307	0.000	93	890693	25.0	26.7	
34 trans-1,2-Dichloroethene	96	3.326	3.320	0.006	94	310053	25.0	26.8	
33 Acrylonitrile	53	3.386	3.387	0.000	100	1573611	250.0	270.8	
35 Hexane	57	3.514	3.514	0.000	90	476298	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.739	3.739	0.000	97	553525	25.0	27.2	
37 Vinyl acetate	43	3.800	3.800	0.000	97	1516991	50.0	52.0	
44 2,2-Dichloropropane	77	4.263	4.256	0.007	91	339081	25.0	27.4	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	65	322117	25.0	26.2	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	93	891112	125.0	132.3	
48 Chlorobromomethane	128	4.536	4.536	0.000	88	165014	25.0	27.8	
49 Tetrahydrofuran	42	4.548	4.548	0.000	89	238138	50.0	49.0	
50 Chloroform	83	4.615	4.609	0.006	70	518764	25.0	25.3	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	77	448670	25.0	27.9	
52 Cyclohexane	56	4.719	4.725	-0.006	94	616185	25.0	28.4	
55 Carbon tetrachloride	117	4.859	4.853	0.006	88	388779	25.0	29.0	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	92	404925	25.0	27.0	
57 Benzene	78	5.078	5.078	0.000	96	1177795	25.0	26.9	
53 Isobutyl alcohol	43	5.102	5.102	0.000	92	304003	625.0	514.2	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	79	440057	25.0	26.1	
59 n-Heptane	43	5.254	5.254	0.000	94	534178	25.0	26.7	
62 Trichloroethene	95	5.686	5.686	0.000	97	311815	25.0	27.4	
64 Methylcyclohexane	83	5.802	5.796	0.006	93	555618	25.0	29.3	
65 1,2-Dichloropropane	63	5.929	5.929	0.000	91	299640	25.0	26.3	
67 Dibromomethane	93	6.069	6.063	0.006	88	183738	25.0	26.0	
66 1,4-Dioxane	88	6.069	6.069	0.000	22	40166	500.0	377.8	M
68 Dichlorobromomethane	83	6.221	6.221	0.000	96	364286	25.0	26.5	
69 2-Chloroethyl vinyl ether	63	6.501	6.501	0.000	91	197502	25.0	24.2	
72 cis-1,3-Dichloropropene	75	6.635	6.635	0.000	86	449498	25.0	27.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.781	6.781	0.000	99	2083308	125.0	130.8	
74 Toluene	92	6.921	6.921	0.000	87	748926	25.0	25.7	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	97	410587	25.0	25.1	
75 Ethyl methacrylate	69	7.250	7.250	0.000	85	384052	25.0	26.5	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	92	219169	25.0	25.2	
81 Tetrachloroethene	166	7.450	7.444	0.006	85	316996	25.0	26.6	
82 1,3-Dichloropropane	76	7.560	7.554	0.006	97	452534	25.0	24.7	
80 2-Hexanone	43	7.621	7.621	0.000	98	1420157	125.0	125.6	
83 Chlorodibromomethane	129	7.791	7.791	0.000	88	263559	25.0	25.4	
84 Ethylene Dibromide	107	7.894	7.888	0.006	98	278780	25.0	24.7	
87 Chlorobenzene	112	8.363	8.363	0.000	91	815590	25.0	25.8	
88 Ethylbenzene	91	8.454	8.454	0.000	99	1461311	25.0	26.3	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.460	0.006	45	286709	25.0	25.9	
90 m-Xylene & p-Xylene	106	8.576	8.576	0.000	98	550682	25.0	26.4	
91 o-Xylene	106	9.008	9.002	0.006	98	553555	25.0	26.6	
92 Styrene	104	9.038	9.038	0.000	96	913220	25.0	27.6	
95 Bromoform	173	9.288	9.288	0.000	91	185157	25.0	29.2	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1465733	25.0	28.1	
101 Bromobenzene	156	9.738	9.738	0.000	96	365005	25.0	26.7	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.799	0.006	71	389493	25.0	26.5	
99 N-Propylbenzene	91	9.817	9.817	0.000	98	1765454	25.0	27.6	
100 1,2,3-Trichloropropane	110	9.829	9.835	-0.006	54	128505	25.0	25.9	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.847	0.006	88	104316	25.0	27.1	
103 2-Chlorotoluene	126	9.920	9.920	0.000	94	358337	25.0	27.7	
102 1,3,5-Trimethylbenzene	105	9.999	9.999	0.000	94	1226482	25.0	27.0	
105 4-Chlorotoluene	126	10.036	10.036	0.000	98	359329	25.0	27.3	
106 tert-Butylbenzene	134	10.316	10.316	0.000	90	277849	25.0	26.3	
107 1,2,4-Trimethylbenzene	105	10.370	10.370	0.000	77	1226620	25.0	26.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	94	1619685	25.0	27.4	
111 1,3-Dichlorobenzene	146	10.662	10.662	0.000	79	716897	25.0	26.7	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	96	1395979	25.0	27.2	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	94	722826	25.0	26.3	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	1334665	25.0	28.0	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	91	715586	25.0	27.1	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.837	0.006	77	77064	25.0	27.4	
119 1,2,4-Trichlorobenzene	180	12.506	12.506	0.000	94	530667	25.0	26.6	
120 Hexachlorobutadiene	225	12.615	12.621	-0.006	94	233112	25.0	27.8	
121 Naphthalene	128	12.725	12.725	0.000	97	1446702	25.0	27.6	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	94	510972	25.0	27.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SS 8260 CORP_00087	Amount Added:	12.50	Units: uL	
SS GAS CORP_00378	Amount Added:	12.50	Units: uL	
S_8260_IS_00342	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00377	Amount Added:	1.00	Units: uL	Run Reagent

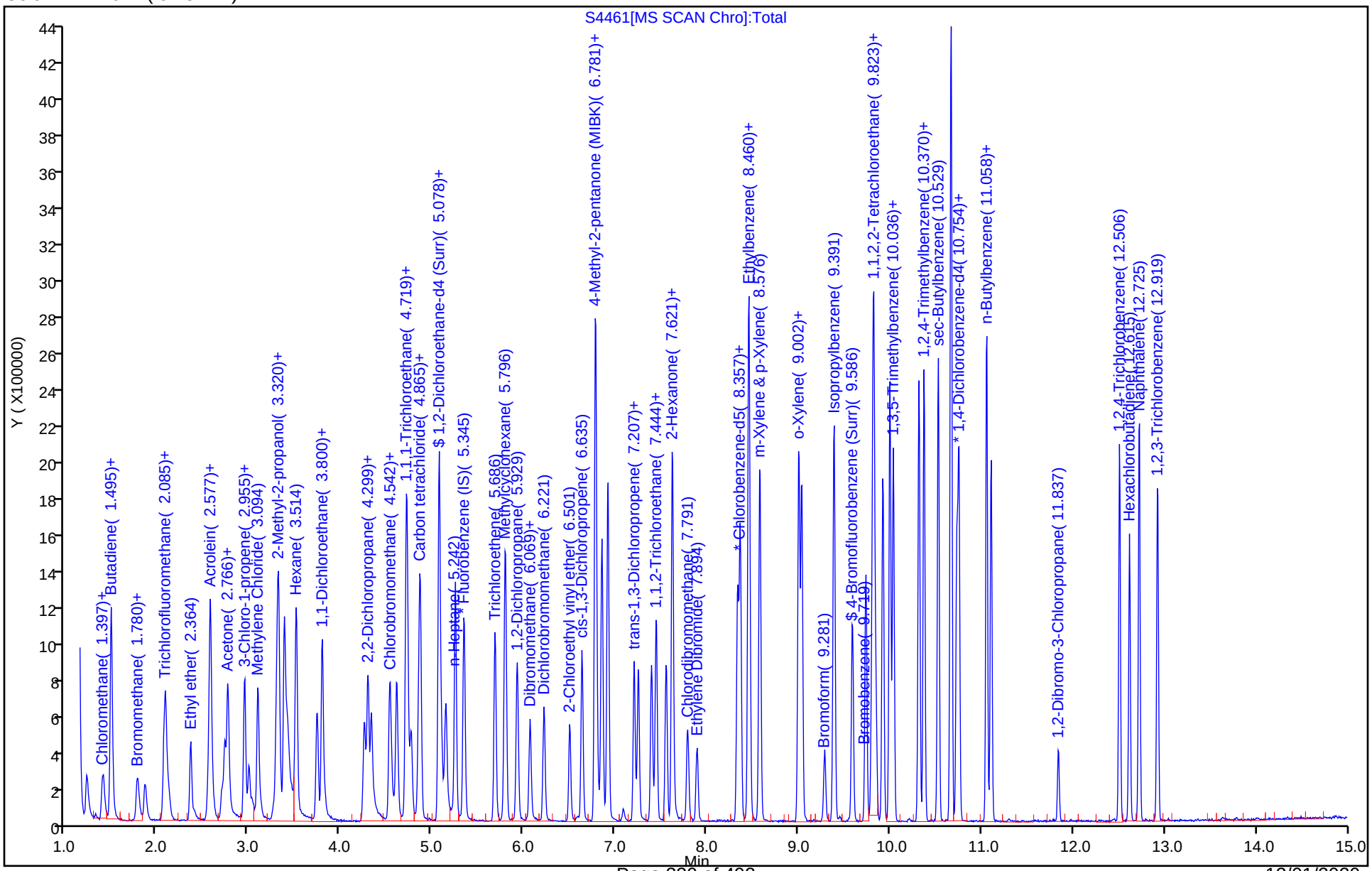
Report Date: 20-Nov-2020 11:18:43 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4461.D

Injection Date:	19-Nov-2020 23:14:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	ICV			Worklist Smp#:	29
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

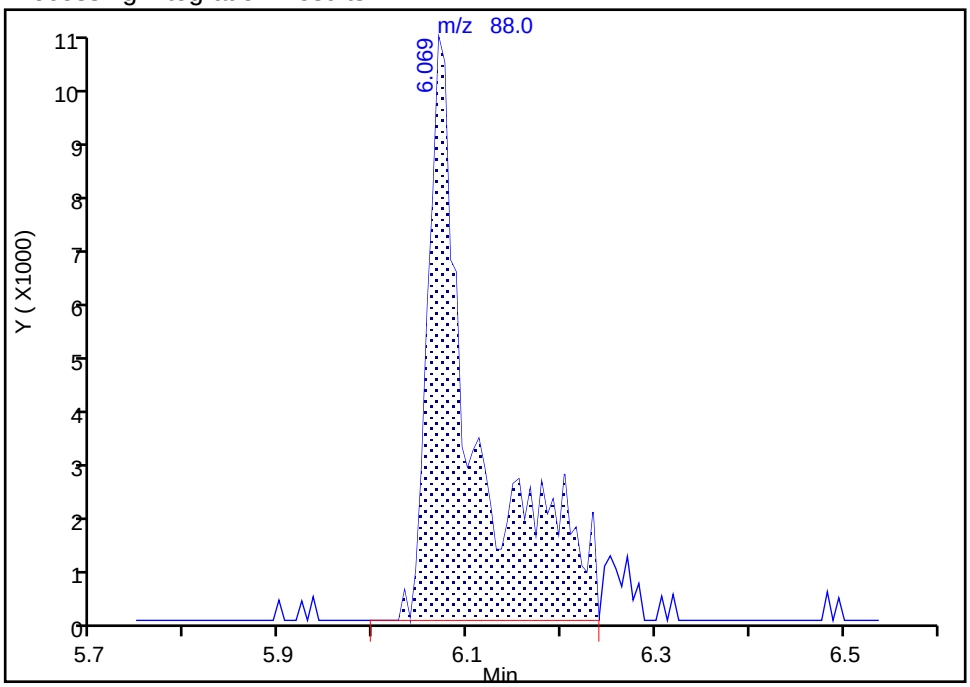
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Injection Date: 19-Nov-2020 23:14:30 Instrument ID: HP5973S
Lims ID: ICV
Client ID:
Operator ID: LH ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

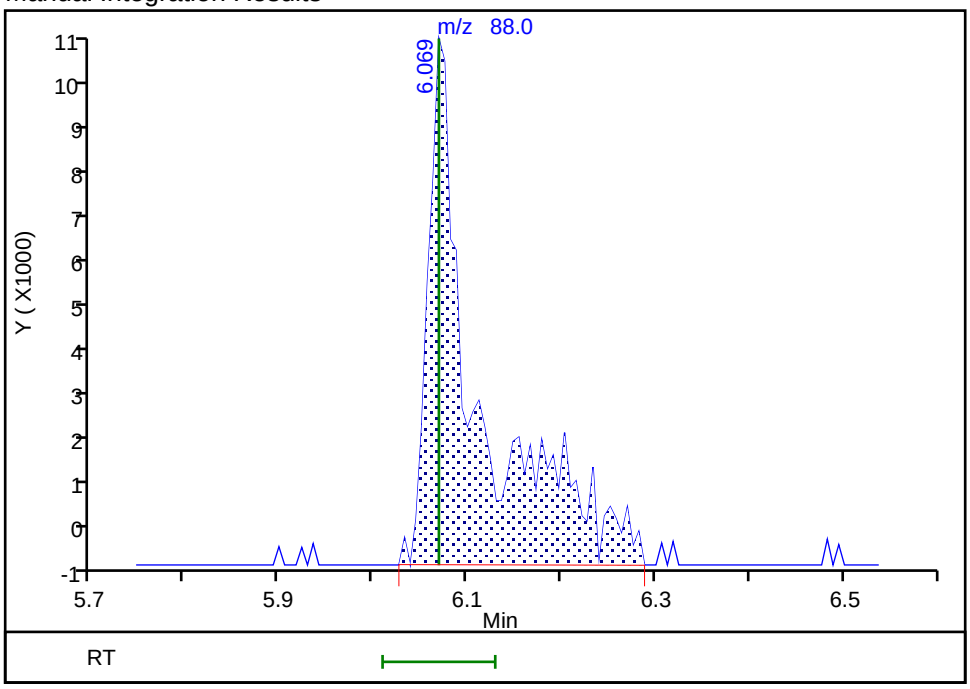
Processing Integration Results

RT: 6.07
Area: 37962
Amount: 357.0265
Amount Units: ug/L



Manual Integration Results

RT: 6.07
Area: 40166
Amount: 377.7547
Amount Units: ug/L



Reviewer: HillL, 20-Nov-2020 11:09:02
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: CCVIS 480-560615/3 Calibration Date: 11/24/2020 07:28

Instrument ID: HP5973S Calib Start Date: 11/19/2020 15:09

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/19/2020 17:50

Lab File ID: S4634.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.635	1.990	0.1000	30.4	25.0	21.7	50.0
Chloromethane	Ave	2.254	2.358	0.1000	26.1	25.0	4.6	20.0
Vinyl chloride	Ave	1.944	2.022	0.1000	26.0	25.0	4.0	20.0
Butadiene	Ave	2.198	2.475		28.1	25.0	12.6	20.0
Bromomethane	Ave	1.158	1.114	0.1000	24.0	25.0	-3.8	50.0
Chloroethane	Ave	1.178	1.175	0.1000	24.9	25.0	-0.3	50.0
Dichlorofluoromethane	Ave	2.522	2.585		25.6	25.0	2.5	20.0
Trichlorofluoromethane	Ave	2.261	2.576	0.1000	28.5	25.0	13.9	20.0
Ethyl ether	Ave	1.547	1.494		24.1	25.0	-3.4	20.0
Acrolein	Ave	0.1467	0.1360		116	125	-7.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.429	1.366	0.1000	23.9	25.0	-4.4	20.0
1,1-Dichloroethene	Ave	1.406	1.316	0.1000	23.4	25.0	-6.4	20.0
Acetone	Ave	0.6773	0.6977	0.1000	129	125	3.0	50.0
Iodomethane	Ave	2.540	2.346		23.1	25.0	-7.6	20.0
Carbon disulfide	Ave	4.212	4.302	0.1000	25.5	25.0	2.1	20.0
Allyl chloride	Ave	2.649	2.797		26.4	25.0	5.6	20.0
Methyl acetate	Ave	1.595	1.597	0.1000	50.1	50.0	0.1	50.0
Methylene Chloride	Lin1		1.564	0.1000	23.4	25.0	-6.4	20.0
2-Methyl-2-propanol	Ave	0.1889	0.1976		262	250	4.6	50.0
Methyl tert-butyl ether	Ave	4.902	4.861	0.1000	24.8	25.0	-0.8	20.0
trans-1,2-Dichloroethene	Ave	1.702	1.585	0.1000	23.3	25.0	-6.8	20.0
Acrylonitrile	Ave	0.8538	0.8399		246	250	-1.6	20.0
Hexane	Ave	2.646	2.546		24.1	25.0	-3.7	20.0
1,1-Dichloroethane	Ave	2.988	2.882	0.2000	24.1	25.0	-3.5	20.0
Vinyl acetate	Ave	4.288	4.428		51.6	50.0	3.3	20.0
2,2-Dichloropropane	Ave	1.821	1.708		23.5	25.0	-6.2	20.0
cis-1,2-Dichloroethene	Ave	1.809	1.744	0.1000	24.1	25.0	-3.6	20.0
2-Butanone (MEK)	Ave	0.9896	1.109	0.1000	140	125	12.1	20.0
Chlorobromomethane	Ave	0.8731	0.9066		26.0	25.0	3.8	20.0
Tetrahydrofuran	Ave	0.7140	0.7142		50.0	50.0	0.0	20.0
Chloroform	Ave	3.007	2.849	0.2000	23.7	25.0	-5.3	20.0
1,1,1-Trichloroethane	Ave	2.360	2.303	0.1000	24.4	25.0	-2.4	20.0
Cyclohexane	Ave	3.186	2.919	0.1000	22.9	25.0	-8.4	20.0
Carbon tetrachloride	Ave	1.969	1.938	0.1000	24.6	25.0	-1.5	20.0
1,1-Dichloropropene	Ave	2.204	2.038		23.1	25.0	-7.5	20.0
Benzene	Ave	6.441	6.338	0.5000	24.6	25.0	-1.6	20.0
Isobutyl alcohol	Ave	0.0868	0.0894		644	625	3.0	50.0
1,2-Dichloroethane	Ave	2.480	2.596	0.1000	26.2	25.0	4.6	20.0
n-Heptane	Ave	2.942	3.007		25.6	25.0	2.2	20.0
Trichloroethene	Ave	1.669	1.660	0.2000	24.9	25.0	-0.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: CCVIS 480-560615/3 Calibration Date: 11/24/2020 07:28

Instrument ID: HP5973S Calib Start Date: 11/19/2020 15:09

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/19/2020 17:50

Lab File ID: S4634.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.783	2.751	0.1000	24.7	25.0	-1.1	20.0
1,2-Dichloropropane	Ave	1.674	1.647	0.1000	24.6	25.0	-1.6	20.0
Dibromomethane	Ave	1.039	1.097	0.1000	26.4	25.0	5.6	20.0
1,4-Dioxane	Ave	0.0071	0.0076		534	500	6.9	50.0
Bromodichloromethane	Ave	2.021	2.052	0.2000	25.4	25.0	1.5	20.0
2-Chloroethyl vinyl ether	Ave	1.201	1.156		24.1	25.0	-3.8	20.0
cis-1,3-Dichloropropene	Ave	2.431	2.566	0.2000	26.4	25.0	5.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.065	1.054	0.1000	124	125	-0.9	20.0
Toluene	Ave	1.949	1.995	0.4000	25.6	25.0	2.4	20.0
trans-1,3-Dichloropropene	Ave	1.094	1.094	0.1000	25.0	25.0	-0.0	20.0
Ethyl methacrylate	Ave	0.9686	0.999		25.8	25.0	3.1	20.0
1,1,2-Trichloroethane	Ave	0.5801	0.5709	0.1000	24.6	25.0	-1.6	20.0
Tetrachloroethene	Ave	0.7962	0.7861	0.2000	24.7	25.0	-1.3	20.0
1,3-Dichloropropane	Ave	1.226	1.191		24.3	25.0	-2.9	20.0
2-Hexanone	Ave	0.7554	0.7358	0.1000	122	125	-2.6	20.0
Dibromochloromethane	Ave	0.6944	0.7178	0.1000	25.8	25.0	3.4	20.0
1,2-Dibromoethane	Ave	0.7555	0.7435		24.6	25.0	-1.6	20.0
Chlorobenzene	Ave	2.111	2.142	0.5000	25.4	25.0	1.5	20.0
Ethylbenzene	Ave	3.710	3.682	0.1000	24.8	25.0	-0.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7403	0.7274		24.6	25.0	-1.7	20.0
m,p-Xylene	Ave	1.393	1.389	0.1000	24.9	25.0	-0.3	20.0
o-Xylene	Ave	1.393	1.363	0.3000	24.5	25.0	-2.1	20.0
Styrene	Ave	2.207	2.368	0.3000	26.8	25.0	7.3	20.0
Bromoform	Ave	0.4242	0.4179	0.1000	24.6	25.0	-1.5	50.0
Isopropylbenzene	Ave	3.729	3.675	0.1000	24.6	25.0	-1.4	20.0
Bromobenzene	Ave	0.9755	0.9746		25.0	25.0	-0.0	20.0
1,1,2,2-Tetrachloroethane	Ave	1.052	1.028	0.3000	24.4	25.0	-2.3	20.0
N-Propylbenzene	Ave	4.575	4.606		25.2	25.0	0.7	20.0
1,2,3-Trichloropropane	Ave	0.3544	0.3424		24.2	25.0	-3.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2751	0.2508		22.8	25.0	-8.8	50.0
2-Chlorotoluene	Ave	0.9233	0.9094		24.6	25.0	-1.5	20.0
1,3,5-Trimethylbenzene	Ave	3.248	3.290		25.3	25.0	1.3	20.0
4-Chlorotoluene	Ave	0.9399	0.9546		25.4	25.0	1.6	20.0
tert-Butylbenzene	Ave	0.7553	0.7232		23.9	25.0	-4.2	20.0
1,2,4-Trimethylbenzene	Ave	3.272	3.329		25.4	25.0	1.7	20.0
sec-Butylbenzene	Ave	4.232	4.053		23.9	25.0	-4.2	20.0
1,3-Dichlorobenzene	Ave	1.921	1.865	0.6000	24.3	25.0	-2.9	20.0
4-Isopropyltoluene	Ave	3.666	3.620		24.7	25.0	-1.3	20.0
1,4-Dichlorobenzene	Ave	1.963	1.920	0.5000	24.4	25.0	-2.2	20.0
n-Butylbenzene	Ave	3.412	3.402		24.9	25.0	-0.3	20.0
1,2-Dichlorobenzene	Ave	1.887	1.872	0.4000	24.8	25.0	-0.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: CCVIS 480-560615/3 Calibration Date: 11/24/2020 07:28

Instrument ID: HP5973S Calib Start Date: 11/19/2020 15:09

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/19/2020 17:50

Lab File ID: S4634.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2013	0.1881	0.0500	23.4	25.0	-6.6	50.0
1,2,4-Trichlorobenzene	Ave	1.424	1.320	0.2000	23.2	25.0	-7.3	20.0
Hexachlorobutadiene	Ave	0.5989	0.6218		26.0	25.0	3.8	20.0
Naphthalene	Ave	3.751	3.547		23.6	25.0	-5.4	20.0
1,2,3-Trichlorobenzene	Ave	1.342	1.297		24.2	25.0	-3.4	20.0
Dibromofluoromethane (Surr)	Ave	1.305	1.330		25.5	25.0	1.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8536	0.8472		24.8	25.0	-0.7	20.0
Toluene-d8 (Surr)	Ave	2.483	2.463		24.8	25.0	-0.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7616	0.7140		23.4	25.0	-6.2	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4634.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Nov-2020 07:28:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0095204-003
Operator ID: AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2020 08:53:13 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: moffata Date: 24-Nov-2020 07:51:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.345	5.345	0.000	98	159074	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.332	8.332	0.000	82	342992	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.729	10.729	0.000	52	328383	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	53	211637	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.072	5.072	0.000	54	134772	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	86	844774	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	244913	25.0	23.4	
10 Dichlorodifluoromethane	85	1.227	1.227	0.000	97	316576	25.0	30.4	
12 Chloromethane	50	1.409	1.409	0.000	89	375030	25.0	26.1	
13 Vinyl chloride	62	1.488	1.488	0.000	45	321685	25.0	26.0	
151 Butadiene	54	1.495	1.495	0.000	89	393637	25.0	28.1	
14 Bromomethane	94	1.787	1.787	0.000	85	177236	25.0	24.0	
15 Chloroethane	64	1.860	1.860	0.000	98	186841	25.0	24.9	
16 Dichlorofluoromethane	67	2.085	2.085	0.000	94	411136	25.0	25.6	
17 Trichlorofluoromethane	101	2.085	2.085	0.000	82	409766	25.0	28.5	
18 Ethyl ether	59	2.358	2.358	0.000	96	237684	25.0	24.1	
20 Acrolein	56	2.541	2.541	0.000	93	108181	125.0	115.9	
22 1,1-Dichloroethene	96	2.577	2.577	0.000	96	209324	25.0	23.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.577	2.577	0.000	63	217260	25.0	23.9	
23 Acetone	43	2.705	2.705	0.000	97	554916	125.0	128.8	
25 Iodomethane	142	2.736	2.736	0.000	97	373242	25.0	23.1	
26 Carbon disulfide	76	2.766	2.766	0.000	99	684302	25.0	25.5	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	87	444856	25.0	26.4	
27 Methyl acetate	43	2.997	2.997	0.000	97	508086	50.0	50.1	
30 Methylene Chloride	84	3.095	3.095	0.000	94	248791	25.0	23.4	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	90	314317	250.0	261.5	
32 Methyl tert-butyl ether	73	3.301	3.301	0.000	93	773232	25.0	24.8	
34 trans-1,2-Dichloroethene	96	3.320	3.320	0.000	90	252137	25.0	23.3	
33 Acrylonitrile	53	3.387	3.387	0.000	98	1336024	250.0	245.9	
35 Hexane	57	3.508	3.508	0.000	93	405078	25.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.739	3.739	0.000	97	458462	25.0	24.1	
37 Vinyl acetate	43	3.794	3.794	0.000	97	1408664	50.0	51.6	
44 2,2-Dichloropropane	77	4.263	4.263	0.000	92	271701	25.0	23.5	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	78	277374	25.0	24.1	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	93	882378	125.0	140.1	
48 Chlorobromomethane	128	4.530	4.530	0.000	94	144214	25.0	26.0	
49 Tetrahydrofuran	42	4.548	4.548	0.000	93	227231	50.0	50.0	
50 Chloroform	83	4.615	4.615	0.000	81	453197	25.0	23.7	
52 Cyclohexane	56	4.719	4.719	0.000	94	464308	25.0	22.9	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	88	366386	25.0	24.4	
55 Carbon tetrachloride	117	4.853	4.853	0.000	87	308331	25.0	24.6	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	92	324197	25.0	23.1	
57 Benzene	78	5.072	5.072	0.000	97	1008237	25.0	24.6	
53 Isobutyl alcohol	43	5.102	5.102	0.000	92	355603	625.0	643.5	
58 1,2-Dichloroethane	62	5.145	5.145	0.000	79	412880	25.0	26.2	
59 n-Heptane	43	5.254	5.254	0.000	95	478295	25.0	25.6	
62 Trichloroethene	95	5.686	5.686	0.000	98	263991	25.0	24.9	
64 Methylcyclohexane	83	5.796	5.796	0.000	93	437682	25.0	24.7	
65 1,2-Dichloropropane	63	5.929	5.929	0.000	89	262034	25.0	24.6	
67 Dibromomethane	93	6.063	6.063	0.000	89	174471	25.0	26.4	
66 1,4-Dioxane	88	6.075	6.075	0.000	31	52101	500.0	534.4	
68 Dichlorobromomethane	83	6.221	6.221	0.000	89	326385	25.0	25.4	
69 2-Chloroethyl vinyl ether	63	6.501	6.501	0.000	92	183899	25.0	24.1	
72 cis-1,3-Dichloropropene	75	6.635	6.635	0.000	89	408257	25.0	26.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.781	6.781	0.000	99	1808336	125.0	123.8	
74 Toluene	92	6.921	6.921	0.000	89	684324	25.0	25.6	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	98	375119	25.0	25.0	
75 Ethyl methacrylate	69	7.250	7.250	0.000	85	342631	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	94	195821	25.0	24.6	
81 Tetrachloroethene	166	7.444	7.444	0.000	85	269610	25.0	24.7	
82 1,3-Dichloropropane	76	7.554	7.554	0.000	97	408436	25.0	24.3	
80 2-Hexanone	43	7.621	7.621	0.000	96	1261857	125.0	121.8	
83 Chlorodibromomethane	129	7.791	7.791	0.000	86	246214	25.0	25.8	
84 Ethylene Dibromide	107	7.894	7.894	0.000	97	255008	25.0	24.6	
87 Chlorobenzene	112	8.363	8.363	0.000	92	734610	25.0	25.4	
88 Ethylbenzene	91	8.454	8.454	0.000	99	1263008	25.0	24.8	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	51	249497	25.0	24.6	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	100	476526	25.0	24.9	
91 o-Xylene	106	9.002	9.002	0.000	98	467667	25.0	24.5	
92 Styrene	104	9.038	9.038	0.000	92	812101	25.0	26.8	
95 Bromoform	173	9.288	9.288	0.000	92	143333	25.0	24.6	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1206811	25.0	24.6	
101 Bromobenzene	156	9.738	9.738	0.000	96	320031	25.0	25.0	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.805	0.000	77	337582	25.0	24.4	
99 N-Propylbenzene	91	9.823	9.823	0.000	98	1512678	25.0	25.2	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	71	112449	25.0	24.2	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.853	0.000	86	82346	25.0	22.8	
103 2-Chlorotoluene	126	9.926	9.926	0.000	95	298643	25.0	24.6	
102 1,3,5-Trimethylbenzene	105	9.999	9.999	0.000	93	1080441	25.0	25.3	
105 4-Chlorotoluene	126	10.036	10.036	0.000	80	313485	25.0	25.4	
106 tert-Butylbenzene	134	10.316	10.316	0.000	91	237488	25.0	23.9	
107 1,2,4-Trimethylbenzene	105	10.370	10.370	0.000	76	1093207	25.0	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	95	1330817	25.0	23.9	
111 1,3-Dichlorobenzene	146	10.662	10.662	0.000	83	612557	25.0	24.3	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	97	1188599	25.0	24.7	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	630429	25.0	24.4	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	1117266	25.0	24.9	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	92	614888	25.0	24.8	
117 1,2-Dibromo-3-Chloropropane	75	11.837	11.837	0.000	71	61757	25.0	23.4	
119 1,2,4-Trichlorobenzene	180	12.506	12.506	0.000	93	433583	25.0	23.2	
120 Hexachlorobutadiene	225	12.615	12.615	0.000	96	204187	25.0	26.0	
121 Naphthalene	128	12.725	12.725	0.000	97	1164785	25.0	23.6	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	96	425765	25.0	24.2	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00429	Amount Added:	12.50	Units: uL	
8260 CORP mix_00196	Amount Added:	12.50	Units: uL	
S_8260_IS_00341	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00375	Amount Added:	1.00	Units: uL	Run Reagent

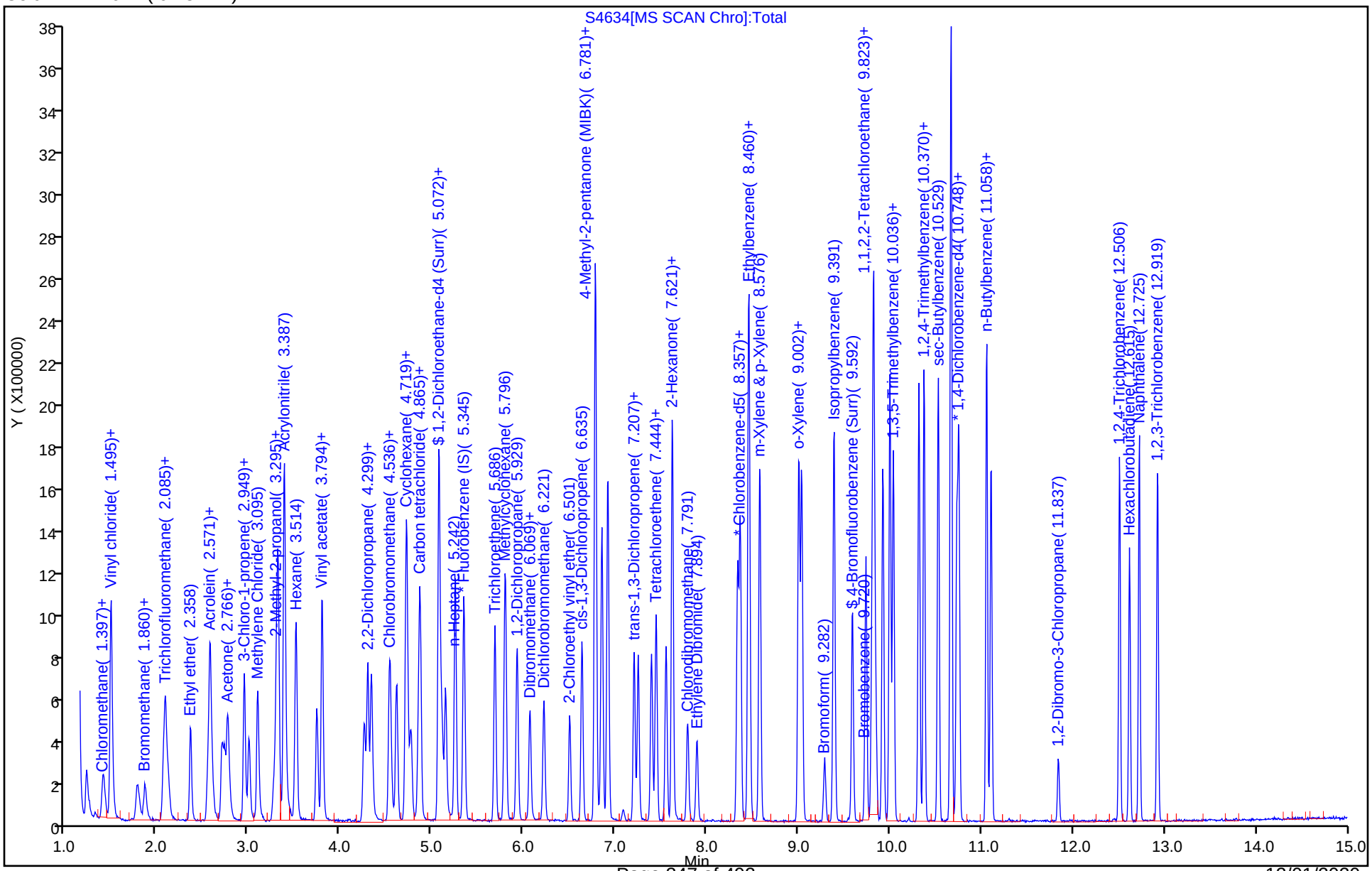
Report Date: 24-Nov-2020 08:53:14 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4634.D

Injection Date:	24-Nov-2020 07:28:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: CCVIS 480-560826/3 Calibration Date: 11/25/2020 08:03

Instrument ID: HP5973S Calib Start Date: 11/19/2020 15:09

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/19/2020 17:50

Lab File ID: S4690.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.635	1.990	0.1000	30.4	25.0	21.8	50.0
Chloromethane	Ave	2.254	2.468	0.1000	27.4	25.0	9.5	20.0
Butadiene	Ave	2.198	2.650		30.1	25.0	20.5*	20.0
Vinyl chloride	Ave	1.944	2.112	0.1000	27.2	25.0	8.6	20.0
Bromomethane	Ave	1.158	1.089	0.1000	23.5	25.0	-6.0	50.0
Chloroethane	Ave	1.178	1.158	0.1000	24.6	25.0	-1.6	50.0
Dichlorofluoromethane	Ave	2.522	2.704		26.8	25.0	7.2	20.0
Trichlorofluoromethane	Ave	2.261	2.867	0.1000	31.7	25.0	26.8*	20.0
Ethyl ether	Ave	1.547	1.640		26.5	25.0	6.0	20.0
Acrolein	Ave	0.1467	0.1720		147	125	17.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.429	1.745	0.1000	30.5	25.0	22.1*	20.0
1,1-Dichloroethene	Ave	1.406	1.602	0.1000	28.5	25.0	13.9	20.0
Acetone	Ave	0.6773	0.8398	0.1000	155	125	24.0	50.0
Iodomethane	Ave	2.540	2.743		27.0	25.0	8.0	20.0
Carbon disulfide	Ave	4.212	5.069	0.1000	30.1	25.0	20.4*	20.0
Allyl chloride	Ave	2.649	3.218		30.4	25.0	21.5*	20.0
Methyl acetate	Ave	1.595	1.831	0.1000	57.4	50.0	14.8	50.0
Methylene Chloride	Lin1		1.729	0.1000	26.0	25.0	3.8	20.0
2-Methyl-2-propanol	Ave	0.1889	0.2448		324	250	29.6	50.0
Methyl tert-butyl ether	Ave	4.902	5.216	0.1000	26.6	25.0	6.4	20.0
trans-1,2-Dichloroethene	Ave	1.702	1.760	0.1000	25.9	25.0	3.4	20.0
Acrylonitrile	Ave	0.8538	0.9365		274	250	9.7	20.0
Hexane	Ave	2.646	3.305		31.2	25.0	24.9*	20.0
1,1-Dichloroethane	Ave	2.988	3.250	0.2000	27.2	25.0	8.8	20.0
Vinyl acetate	Ave	4.288	4.914		57.3	50.0	14.6	20.0
2,2-Dichloropropane	Ave	1.821	1.903		26.1	25.0	4.5	20.0
cis-1,2-Dichloroethene	Ave	1.809	1.950	0.1000	26.9	25.0	7.8	20.0
2-Butanone (MEK)	Ave	0.9896	1.214	0.1000	153	125	22.7*	20.0
Chlorobromomethane	Ave	0.8731	0.9541		27.3	25.0	9.3	20.0
Tetrahydrofuran	Ave	0.7140	0.7862		55.1	50.0	10.1	20.0
Chloroform	Ave	3.007	3.160	0.2000	26.3	25.0	5.1	20.0
1,1,1-Trichloroethane	Ave	2.360	2.756	0.1000	29.2	25.0	16.8	20.0
Cyclohexane	Ave	3.186	3.691	0.1000	29.0	25.0	15.8	20.0
Carbon tetrachloride	Ave	1.969	2.303	0.1000	29.2	25.0	17.0	20.0
1,1-Dichloropropene	Ave	2.204	2.403		27.3	25.0	9.0	20.0
Benzene	Ave	6.441	6.974	0.5000	27.1	25.0	8.3	20.0
Isobutyl alcohol	Ave	0.0868	0.0991		713	625	14.1	50.0
1,2-Dichloroethane	Ave	2.480	2.802	0.1000	28.2	25.0	13.0	20.0
n-Heptane	Ave	2.942	3.543		30.1	25.0	20.4*	20.0
Trichloroethene	Ave	1.669	1.850	0.2000	27.7	25.0	10.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: CCVIS 480-560826/3 Calibration Date: 11/25/2020 08:03

Instrument ID: HP5973S Calib Start Date: 11/19/2020 15:09

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/19/2020 17:50

Lab File ID: S4690.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.783	3.292	0.1000	29.6	25.0	18.3	20.0
1,2-Dichloropropane	Ave	1.674	1.864	0.1000	27.8	25.0	11.4	20.0
Dibromomethane	Ave	1.039	1.137	0.1000	27.3	25.0	9.4	20.0
1,4-Dioxane	Ave	0.0071	0.0103		724	500	44.7	50.0
Bromodichloromethane	Ave	2.021	2.187	0.2000	27.0	25.0	8.2	20.0
2-Chloroethyl vinyl ether	Ave	1.201	1.201		25.0	25.0	0.0	20.0
cis-1,3-Dichloropropene	Ave	2.431	2.627	0.2000	27.0	25.0	8.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.065	1.117	0.1000	131	125	5.0	20.0
Toluene	Ave	1.949	2.142	0.4000	27.5	25.0	9.9	20.0
trans-1,3-Dichloropropene	Ave	1.094	1.114	0.1000	25.5	25.0	1.9	20.0
Ethyl methacrylate	Ave	0.9686	0.9868		25.5	25.0	1.9	20.0
1,1,2-Trichloroethane	Ave	0.5801	0.6036	0.1000	26.0	25.0	4.0	20.0
Tetrachloroethene	Ave	0.7962	0.8827	0.2000	27.7	25.0	10.9	20.0
1,3-Dichloropropane	Ave	1.226	1.298		26.5	25.0	5.8	20.0
2-Hexanone	Ave	0.7554	0.8025	0.1000	133	125	6.2	20.0
Dibromochloromethane	Ave	0.6944	0.7361	0.1000	26.5	25.0	6.0	20.0
1,2-Dibromoethane	Ave	0.7555	0.7350		24.3	25.0	-2.7	20.0
Chlorobenzene	Ave	2.111	2.238	0.5000	26.5	25.0	6.0	20.0
Ethylbenzene	Ave	3.710	3.973	0.1000	26.8	25.0	7.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7403	0.7667		25.9	25.0	3.6	20.0
m,p-Xylene	Ave	1.393	1.525	0.1000	27.4	25.0	9.5	20.0
o-Xylene	Ave	1.393	1.472	0.3000	26.4	25.0	5.6	20.0
Styrene	Ave	2.207	2.456	0.3000	27.8	25.0	11.3	20.0
Bromoform	Ave	0.4242	0.3974	0.1000	23.4	25.0	-6.3	50.0
Isopropylbenzene	Ave	3.729	3.920	0.1000	26.3	25.0	5.1	20.0
Bromobenzene	Ave	0.9755	0.9769		25.0	25.0	0.2	20.0
1,1,2,2-Tetrachloroethane	Ave	1.052	1.003	0.3000	23.8	25.0	-4.7	20.0
N-Propylbenzene	Ave	4.575	4.778		26.1	25.0	4.4	20.0
1,2,3-Trichloropropane	Ave	0.3544	0.3372		23.8	25.0	-4.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2751	0.2238		20.3	25.0	-18.6	50.0
2-Chlorotoluene	Ave	0.9233	0.9151		24.8	25.0	-0.9	20.0
1,3,5-Trimethylbenzene	Ave	3.248	3.288		25.3	25.0	1.2	20.0
4-Chlorotoluene	Ave	0.9399	0.9519		25.3	25.0	1.3	20.0
tert-Butylbenzene	Ave	0.7553	0.7643		25.3	25.0	1.2	20.0
1,2,4-Trimethylbenzene	Ave	3.272	3.345		25.6	25.0	2.2	20.0
sec-Butylbenzene	Ave	4.232	4.322		25.5	25.0	2.1	20.0
1,3-Dichlorobenzene	Ave	1.921	1.933	0.6000	25.2	25.0	0.6	20.0
4-Isopropyltoluene	Ave	3.666	3.768		25.7	25.0	2.8	20.0
1,4-Dichlorobenzene	Ave	1.963	1.953	0.5000	24.9	25.0	-0.5	20.0
n-Butylbenzene	Ave	3.412	3.494		25.6	25.0	2.4	20.0
1,2-Dichlorobenzene	Ave	1.887	1.910	0.4000	25.3	25.0	1.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: CCVIS 480-560826/3 Calibration Date: 11/25/2020 08:03

Instrument ID: HP5973S Calib Start Date: 11/19/2020 15:09

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/19/2020 17:50

Lab File ID: S4690.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2013	0.1807	0.0500	22.4	25.0	-10.2	50.0
1,2,4-Trichlorobenzene	Ave	1.424	1.299	0.2000	22.8	25.0	-8.8	20.0
Hexachlorobutadiene	Ave	0.5989	0.6635		27.7	25.0	10.8	20.0
Naphthalene	Ave	3.751	3.530		23.5	25.0	-5.9	20.0
1,2,3-Trichlorobenzene	Ave	1.342	1.269		23.6	25.0	-5.4	20.0
Dibromofluoromethane (Surr)	Ave	1.305	1.404		26.9	25.0	7.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8536	0.9188		26.9	25.0	7.6	20.0
Toluene-d8 (Surr)	Ave	2.483	2.503		25.2	25.0	0.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7616	0.7698		25.3	25.0	1.1	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4690.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Nov-2020 08:03:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0095243-003
Operator ID: AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2020 08:24:15 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: moffata Date: 25-Nov-2020 08:24:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.345	5.345	0.000	99	138946	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.333	8.333	0.000	87	303654	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.729	10.729	0.000	48	305910	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.768	4.768	0.000	55	195025	25.0	26.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	54	127662	25.0	26.9	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	89	760116	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	85	233741	25.0	25.3	
10 Dichlorodifluoromethane	85	1.227	1.227	0.000	86	276559	25.0	30.4	
12 Chloromethane	50	1.403	1.403	0.000	99	342895	25.0	27.4	
151 Butadiene	54	1.495	1.495	0.000	68	368144	25.0	30.1	
13 Vinyl chloride	62	1.495	1.495	0.000	54	293417	25.0	27.2	
14 Bromomethane	94	1.781	1.781	0.000	87	151291	25.0	23.5	
15 Chloroethane	64	1.866	1.866	0.000	94	160963	25.0	24.6	
16 Dichlorofluoromethane	67	2.085	2.085	0.000	80	375729	25.0	26.8	
17 Trichlorofluoromethane	101	2.085	2.085	0.000	70	398385	25.0	31.7	
18 Ethyl ether	59	2.365	2.365	0.000	94	227915	25.0	26.5	
20 Acrolein	56	2.547	2.547	0.000	97	119524	125.0	146.6	
22 1,1-Dichloroethene	96	2.571	2.571	0.000	88	222566	25.0	28.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.571	2.571	0.000	58	242416	25.0	30.5	
23 Acetone	43	2.705	2.705	0.000	97	583421	125.0	155.0	
25 Iodomethane	142	2.736	2.736	0.000	98	381107	25.0	27.0	
26 Carbon disulfide	76	2.766	2.766	0.000	99	704270	25.0	30.1	
28 3-Chloro-1-propene	41	2.949	2.949	0.000	88	447060	25.0	30.4	
27 Methyl acetate	43	2.997	2.997	0.000	98	508759	50.0	57.4	
30 Methylene Chloride	84	3.095	3.095	0.000	96	240220	25.0	26.0	
31 2-Methyl-2-propanol	59	3.277	3.277	0.000	91	340147	250.0	324.0	
32 Methyl tert-butyl ether	73	3.307	3.307	0.000	93	724683	25.0	26.6	
34 trans-1,2-Dichloroethene	96	3.320	3.320	0.000	89	244524	25.0	25.9	
33 Acrylonitrile	53	3.387	3.387	0.000	98	1301186	250.0	274.2	
35 Hexane	57	3.514	3.514	0.000	94	459173	25.0	31.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.746	3.746	0.000	85	451562	25.0	27.2	
37 Vinyl acetate	43	3.800	3.800	0.000	97	1365665	50.0	57.3	
44 2,2-Dichloropropane	77	4.257	4.257	0.000	89	264361	25.0	26.1	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	70	270903	25.0	26.9	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	97	843491	125.0	153.4	
48 Chlorobromomethane	128	4.536	4.536	0.000	95	132572	25.0	27.3	
49 Tetrahydrofuran	42	4.549	4.549	0.000	92	218471	50.0	55.1	
50 Chloroform	83	4.609	4.609	0.000	69	439022	25.0	26.3	
52 Cyclohexane	56	4.719	4.719	0.000	94	512817	25.0	29.0	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	84	382983	25.0	29.2	
55 Carbon tetrachloride	117	4.853	4.853	0.000	81	319959	25.0	29.2	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	91	333891	25.0	27.3	
57 Benzene	78	5.072	5.072	0.000	97	968990	25.0	27.1	
53 Isobutyl alcohol	43	5.102	5.102	0.000	93	344302	625.0	713.3	
58 1,2-Dichloroethane	62	5.151	5.151	0.000	72	389394	25.0	28.2	
59 n-Heptane	43	5.254	5.254	0.000	95	492330	25.0	30.1	
62 Trichloroethene	95	5.680	5.680	0.000	88	257059	25.0	27.7	
64 Methylcyclohexane	83	5.802	5.802	0.000	93	457462	25.0	29.6	
65 1,2-Dichloropropane	63	5.923	5.923	0.000	91	259055	25.0	27.8	
67 Dibromomethane	93	6.063	6.063	0.000	85	157932	25.0	27.3	
66 1,4-Dioxane	88	6.076	6.076	0.000	45	62450	500.0	723.6	
68 Dichlorobromomethane	83	6.222	6.222	0.000	91	303876	25.0	27.0	
69 2-Chloroethyl vinyl ether	63	6.501	6.501	0.000	92	166925	25.0	25.0	
72 cis-1,3-Dichloropropene	75	6.635	6.635	0.000	86	365077	25.0	27.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.781	6.781	0.000	99	1696589	125.0	131.2	
74 Toluene	92	6.921	6.921	0.000	96	650455	25.0	27.5	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	98	338391	25.0	25.5	
75 Ethyl methacrylate	69	7.250	7.250	0.000	87	299633	25.0	25.5	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	88	183291	25.0	26.0	
81 Tetrachloroethene	166	7.444	7.444	0.000	87	268030	25.0	27.7	
82 1,3-Dichloropropane	76	7.554	7.554	0.000	96	394038	25.0	26.5	
80 2-Hexanone	43	7.621	7.621	0.000	97	1218388	125.0	132.8	
83 Chlorodibromomethane	129	7.791	7.791	0.000	84	223522	25.0	26.5	
84 Ethylene Dibromide	107	7.888	7.888	0.000	98	223174	25.0	24.3	
87 Chlorobenzene	112	8.363	8.363	0.000	91	679682	25.0	26.5	
88 Ethylbenzene	91	8.454	8.454	0.000	99	1206370	25.0	26.8	
89 1,1,1,2-Tetrachloroethane	131	8.460	8.460	0.000	37	232804	25.0	25.9	
90 m-Xylene & p-Xylene	106	8.582	8.582	0.000	98	463223	25.0	27.4	
91 o-Xylene	106	9.002	9.002	0.000	98	446852	25.0	26.4	
92 Styrene	104	9.032	9.032	0.000	95	745753	25.0	27.8	
95 Bromoform	173	9.288	9.288	0.000	95	120669	25.0	23.4	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1199239	25.0	26.3	
101 Bromobenzene	156	9.738	9.738	0.000	96	298855	25.0	25.0	
97 1,1,2,2-Tetrachloroethane	83	9.799	9.799	0.000	89	306687	25.0	23.8	
99 N-Propylbenzene	91	9.817	9.817	0.000	99	1461657	25.0	26.1	
100 1,2,3-Trichloropropane	110	9.829	9.829	0.000	57	103142	25.0	23.8	
98 trans-1,4-Dichloro-2-butene	53	9.847	9.847	0.000	71	68471	25.0	20.3	
103 2-Chlorotoluene	126	9.926	9.926	0.000	96	279943	25.0	24.8	
102 1,3,5-Trimethylbenzene	105	9.999	9.999	0.000	95	1005890	25.0	25.3	
105 4-Chlorotoluene	126	10.036	10.036	0.000	98	291188	25.0	25.3	
106 tert-Butylbenzene	134	10.316	10.316	0.000	87	233798	25.0	25.3	
107 1,2,4-Trimethylbenzene	105	10.371	10.371	0.000	85	1023155	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.529	10.529	0.000	95	1322132	25.0	25.5	
111 1,3-Dichlorobenzene	146	10.663	10.663	0.000	79	591176	25.0	25.2	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	96	1152739	25.0	25.7	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	597584	25.0	24.9	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	1068939	25.0	25.6	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	93	584330	25.0	25.3	
117 1,2-Dibromo-3-Chloropropane	75	11.837	11.837	0.000	71	55278	25.0	22.4	
119 1,2,4-Trichlorobenzene	180	12.506	12.506	0.000	95	397233	25.0	22.8	
120 Hexachlorobutadiene	225	12.615	12.615	0.000	95	202958	25.0	27.7	
121 Naphthalene	128	12.725	12.725	0.000	97	1079785	25.0	23.5	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	96	388319	25.0	23.6	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00429	Amount Added: 12.50	Units: uL	
8260 CORP mix_00196	Amount Added: 12.50	Units: uL	
S_8260_IS_00341	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00375	Amount Added: 1.00	Units: uL	Run Reagent

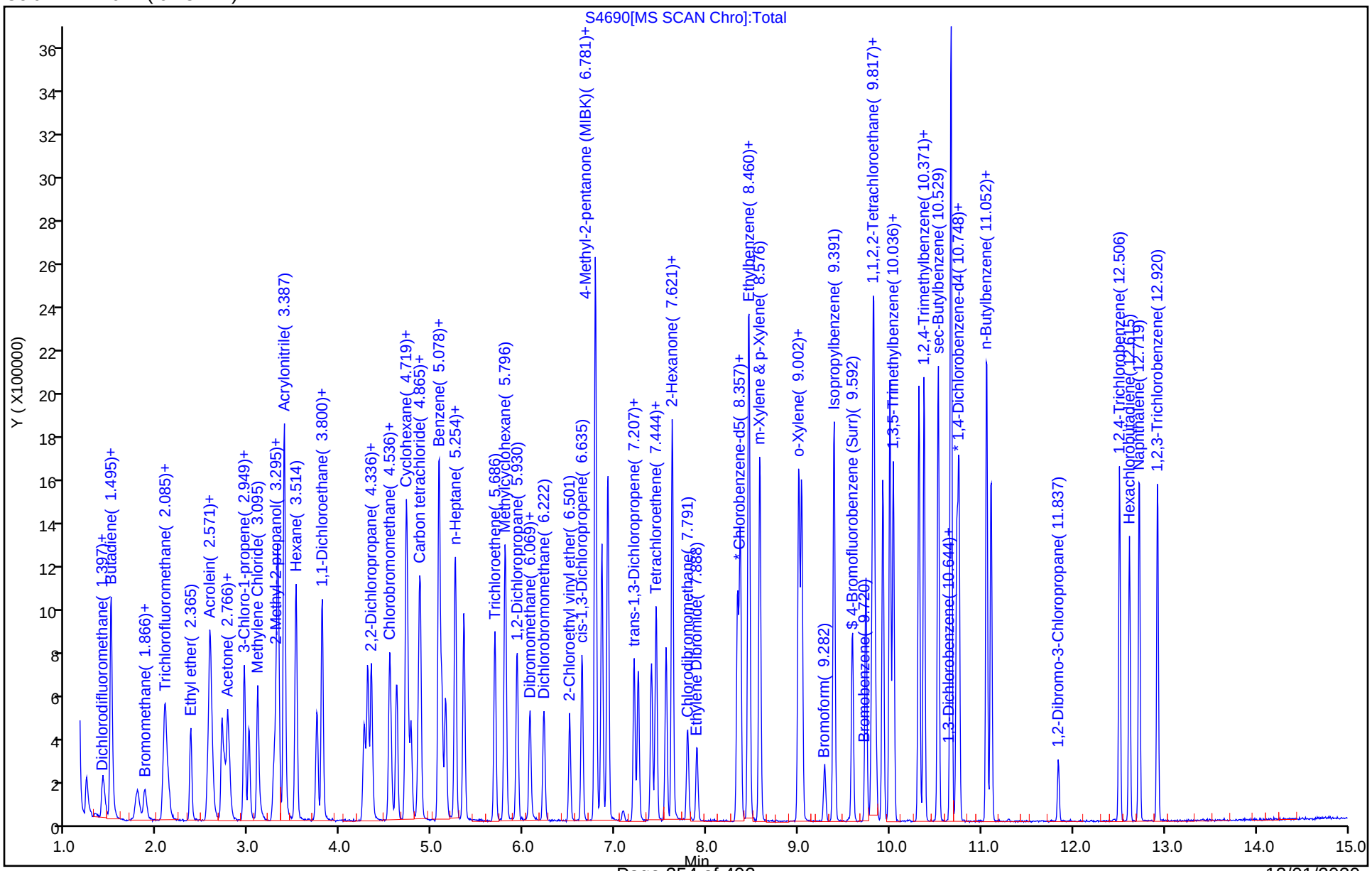
Report Date: 25-Nov-2020 08:24:16 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4690.D

Injection Date:	25-Nov-2020 08:03:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: ICV 480-553340/30 Calibration Date: 10/10/2020 21:23

Instrument ID: HP5975T Calib Start Date: 10/10/2020 13:02

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:48

Lab File ID: T7426.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.660	1.651	0.1000	24.9	25.0	-0.5	50.0
Chloromethane	Ave	2.792	2.529	0.1000	22.6	25.0	-9.4	30.0
Butadiene	Ave	2.336	2.238		24.0	25.0	-4.2	30.0
Vinyl chloride	Ave	2.295	2.106	0.1000	22.9	25.0	-8.2	30.0
Bromomethane	Ave	1.073	1.079	0.1000	25.1	25.0	0.5	50.0
Chloroethane	Ave	1.206	1.228	0.1000	25.5	25.0	1.8	50.0
Dichlorofluoromethane	Ave	2.671	2.575		24.1	25.0	-3.6	30.0
Trichlorofluoromethane	Ave	2.318	2.207	0.1000	23.8	25.0	-4.8	30.0
Ethyl ether	Ave	1.581	1.576		24.9	25.0	-0.3	30.0
Acrolein	Ave	0.2430	0.2498		129	125	2.8	50.0
1,1-Dichloroethene	Ave	1.221	1.183	0.1000	24.2	25.0	-3.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.330	1.356	0.1000	25.5	25.0	2.0	30.0
Acetone	Ave	0.8047	0.8012	0.1000	124	125	-0.4	50.0
Iodomethane	Ave	2.276	2.310		25.4	25.0	1.5	30.0
Carbon disulfide	Ave	4.460	4.390	0.1000	24.6	25.0	-1.6	30.0
Allyl chloride	Ave	2.976	2.969		24.9	25.0	-0.2	30.0
Methyl acetate	Ave	1.918	1.896	0.1000	49.4	50.0	-1.1	50.0
Methylene Chloride	Lin1		1.430	0.1000	24.9	25.0	-0.5	30.0
2-Methyl-2-propanol	Ave	0.3483	0.3465		249	250	-0.5	50.0
Methyl tert-butyl ether	Ave	4.509	4.582	0.1000	25.4	25.0	1.6	30.0
trans-1,2-Dichloroethene	Ave	1.368	1.339	0.1000	24.5	25.0	-2.1	30.0
Acrylonitrile	Ave	1.027	1.021		248	250	-0.6	30.0
Hexane	Ave	2.876	2.668		23.2	25.0	-7.2	30.0
1,1-Dichloroethane	Ave	3.025	2.940	0.2000	24.3	25.0	-2.8	30.0
Vinyl acetate	Ave	3.877	4.012		51.7	50.0	3.5	30.0
2,2-Dichloropropane	Ave	2.106	1.825		21.7	25.0	-13.3	30.0
cis-1,2-Dichloroethene	Ave	1.527	1.487	0.1000	24.3	25.0	-2.6	30.0
2-Butanone (MEK)	Ave	1.249	1.299	0.1000	130	125	4.0	30.0
Chlorobromomethane	Ave	0.7690	0.7988		26.0	25.0	3.9	30.0
Tetrahydrofuran	Ave	0.9151	0.8748		47.8	50.0	-4.4	30.0
Chloroform	Ave	2.496	2.385	0.2000	23.9	25.0	-4.4	30.0
1,1,1-Trichloroethane	Ave	2.099	2.089	0.1000	24.9	25.0	-0.5	30.0
Cyclohexane	Ave	3.459	3.404	0.1000	24.6	25.0	-1.6	30.0
Carbon tetrachloride	Ave	1.916	1.957	0.1000	25.5	25.0	2.2	30.0
1,1-Dichloropropene	Ave	2.018	1.966		24.4	25.0	-2.6	30.0
Benzene	Ave	5.481	5.344	0.5000	24.4	25.0	-2.5	30.0
Isobutyl alcohol	Ave	0.1363	0.1341		615	625	-1.6	50.0
1,2-Dichloroethane	Ave	2.475	2.434	0.1000	24.6	25.0	-1.6	30.0
n-Heptane	Ave	3.284	2.937		22.4	25.0	-10.6	30.0
Trichloroethene	Ave	1.436	1.400	0.2000	24.4	25.0	-2.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: ICV 480-553340/30 Calibration Date: 10/10/2020 21:23

Instrument ID: HP5975T Calib Start Date: 10/10/2020 13:02

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:48

Lab File ID: T7426.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.503	2.492	0.1000	24.9	25.0	-0.4	30.0
1,2-Dichloropropane	Ave	1.696	1.700	0.1000	25.1	25.0	0.3	30.0
Dibromomethane	Ave	0.8793	0.9543	0.1000	27.1	25.0	8.5	30.0
1,4-Dioxane	Ave	0.0074	0.0078		523	500	4.6	50.0
Bromodichloromethane	Ave	1.720	1.705	0.2000	24.8	25.0	-0.9	30.0
2-Chloroethyl vinyl ether	Ave	1.309	1.288		24.6	25.0	-1.6	30.0
cis-1,3-Dichloropropene	Ave	2.293	2.250	0.2000	24.5	25.0	-1.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7351	0.7623	0.1000	130	125	3.7	30.0
Toluene	Ave	1.016	0.9710	0.4000	23.9	25.0	-4.4	30.0
trans-1,3-Dichloropropene	Ave	0.6267	0.6199	0.1000	24.7	25.0	-1.1	30.0
Ethyl methacrylate	Ave	0.5799	0.5899		25.4	25.0	1.7	30.0
1,1,2-Trichloroethane	Ave	0.3190	0.3124	0.1000	24.5	25.0	-2.1	30.0
Tetrachloroethene	Ave	0.3996	0.3901	0.2000	24.4	25.0	-2.4	30.0
1,3-Dichloropropane	Ave	0.6769	0.6694		24.7	25.0	-1.1	30.0
2-Hexanone	Ave	0.5242	0.5481	0.1000	131	125	4.6	30.0
Dibromochloromethane	Ave	0.3864	0.3836	0.1000	24.8	25.0	-0.7	30.0
1,2-Dibromoethane	Ave	0.4005	0.4010		25.0	25.0	0.1	30.0
Chlorobenzene	Ave	1.098	1.079	0.5000	24.6	25.0	-1.8	30.0
Ethylbenzene	Ave	1.889	1.849	0.1000	24.5	25.0	-2.1	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3905	0.3889		24.9	25.0	-0.4	30.0
m,p-Xylene	Ave	0.7428	0.7385	0.1000	24.9	25.0	-0.6	30.0
o-Xylene	Ave	0.7319	0.6995	0.3000	23.9	25.0	-4.4	30.0
Styrene	Ave	1.190	1.205	0.3000	25.3	25.0	1.2	30.0
Bromoform	Ave	0.2341	0.2446	0.1000	26.1	25.0	4.5	50.0
Isopropylbenzene	Ave	3.632	3.627	0.1000	25.0	25.0	-0.1	30.0
Bromobenzene	Ave	0.8466	0.8421		24.9	25.0	-0.5	30.0
1,1,2,2-Tetrachloroethane	Ave	1.061	1.072	0.3000	25.3	25.0	1.0	30.0
N-Propylbenzene	Ave	4.295	4.309		25.1	25.0	0.3	30.0
1,2,3-Trichloropropane	Ave	0.3513	0.3508		25.0	25.0	-0.2	30.0
trans-1,4-Dichloro-2-butene	Ave	0.5046	0.4527		22.4	25.0	-10.3	50.0
2-Chlorotoluene	Ave	0.8699	0.8304		23.9	25.0	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	3.084	3.121		25.3	25.0	1.2	30.0
4-Chlorotoluene	Ave	3.022	2.969		24.6	25.0	-1.7	30.0
tert-Butylbenzene	Ave	0.6509	0.6763		26.0	25.0	3.9	30.0
1,2,4-Trimethylbenzene	Ave	3.128	3.118		24.9	25.0	-0.3	30.0
sec-Butylbenzene	Ave	3.960	3.917		24.7	25.0	-1.1	30.0
1,3-Dichlorobenzene	Ave	1.713	1.681	0.6000	24.5	25.0	-1.9	30.0
4-Isopropyltoluene	Ave	3.450	3.463		25.1	25.0	0.4	30.0
1,4-Dichlorobenzene	Ave	1.753	1.722	0.5000	24.6	25.0	-1.8	30.0
n-Butylbenzene	Ave	3.081	3.081		25.0	25.0	-0.0	30.0
1,2-Dichlorobenzene	Ave	1.756	1.690	0.4000	24.1	25.0	-3.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: ICV 480-553340/30 Calibration Date: 10/10/2020 21:23

Instrument ID: HP5975T Calib Start Date: 10/10/2020 13:02

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:48

Lab File ID: T7426.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2352	0.2302	0.0500	24.5	25.0	-2.1	50.0
1,2,4-Trichlorobenzene	Ave	1.219	1.223	0.2000	25.1	25.0	0.4	30.0
Hexachlorobutadiene	Ave	0.5504	0.5371		24.4	25.0	-2.4	30.0
Naphthalene	Ave	3.790	3.912		25.8	25.0	3.2	30.0
1,2,3-Trichlorobenzene	Ave	1.247	1.237		24.8	25.0	-0.7	30.0
Dibromofluoromethane (Surr)	Ave	1.112	1.113		25.0	25.0	0.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.564	1.600		25.6	25.0	2.3	30.0
Toluene-d8 (Surr)	Ave	1.205	1.212		25.1	25.0	0.5	30.0
4-Bromofluorobenzene (Surr)	Ave	0.3496	0.3435		24.6	25.0	-1.7	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7426.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 10-Oct-2020 21:23:30 ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: icv
Misc. Info.: 480-0094036-030
Operator ID: LH Instrument ID: HP5975T
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Oct-2020 13:20:01 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: moffata Date: 12-Oct-2020 15:17:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.597	4.597	0.000	98	177099	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.877	6.887	-0.010	89	615494	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	97	321494	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.131	4.131	0.000	91	197054	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.379	4.379	0.000	0	283395	25.0	25.6	
$ 6 Toluene-d8 (Surr)	98	5.768	5.768	0.000	94	745948	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr)	174	7.809	7.809	0.000	0	211416	25.0	24.6	
11 Dichlorodifluoromethane	85	1.105	1.115	-0.011	99	292471	25.0	24.9	
13 Chloromethane	50	1.250	1.260	-0.010	98	447948	25.0	22.6	
151 Butadiene	54	1.322	1.333	-0.011	92	396406	25.0	24.0	
14 Vinyl chloride	62	1.333	1.343	-0.011	97	373038	25.0	22.9	
15 Bromomethane	94	1.571	1.581	-0.010	91	191062	25.0	25.1	
16 Chloroethane	64	1.633	1.633	0.000	99	217430	25.0	25.5	
18 Dichlorofluoromethane	67	1.830	1.840	-0.010	98	456092	25.0	24.1	
17 Trichlorofluoromethane	101	1.840	1.851	-0.011	97	390862	25.0	23.8	
19 Ethyl ether	59	2.058	2.068	-0.010	98	279024	25.0	24.9	
21 Acrolein	56	2.224	2.234	-0.010	99	221237	125.0	128.5	
22 1,1-Dichloroethene	96	2.255	2.265	-0.010	93	209482	25.0	24.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.265	2.276	-0.011	95	240221	25.0	25.5	
23 Acetone	43	2.369	2.379	-0.010	99	709464	125.0	124.5	
24 Iodomethane	142	2.410	2.410	0.000	99	409079	25.0	25.4	
25 Carbon disulfide	76	2.441	2.441	0.000	100	777389	25.0	24.6	
27 3-Chloro-1-propene	41	2.586	2.597	-0.011	90	525784	25.0	24.9	
28 Methyl acetate	43	2.638	2.638	0.000	100	671436	50.0	49.4	
30 Methylene Chloride	84	2.721	2.732	-0.011	95	253327	25.0	24.9	
31 2-Methyl-2-propanol	59	2.897	2.897	0.000	99	613688	250.0	248.7	
33 Methyl tert-butyl ether	73	2.908	2.918	-0.010	97	811481	25.0	25.4	
32 trans-1,2-Dichloroethene	96	2.918	2.928	-0.010	91	237153	25.0	24.5	
34 Acrylonitrile	53	2.970	2.980	-0.010	98	1807827	250.0	248.4	
35 Hexane	57	3.084	3.084	0.000	93	472524	25.0	23.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.281	3.281	0.000	96	520709	25.0	24.3	
39 Vinyl acetate	43	3.322	3.322	0.000	97	1421112	50.0	51.7	
42 2,2-Dichloropropane	77	3.716	3.726	-0.010	94	323212	25.0	21.7	
43 cis-1,2-Dichloroethene	96	3.747	3.747	0.000	85	263389	25.0	24.3	
44 2-Butanone (MEK)	43	3.768	3.778	-0.010	98	1150148	125.0	130.0	
47 Chlorobromomethane	128	3.944	3.944	0.000	91	141474	25.0	26.0	
48 Tetrahydrofuran	42	3.944	3.954	-0.010	93	309858	50.0	47.8	
50 Chloroform	83	4.006	4.006	0.000	95	422439	25.0	23.9	
51 1,1,1-Trichloroethane	97	4.099	4.099	0.000	76	369971	25.0	24.9	
52 Cyclohexane	56	4.099	4.099	0.000	92	602873	25.0	24.6	
53 Carbon tetrachloride	117	4.203	4.213	-0.010	97	346666	25.0	25.5	
54 1,1-Dichloropropene	75	4.213	4.213	0.000	93	348215	25.0	24.4	
55 Benzene	78	4.379	4.379	0.000	95	946375	25.0	24.4	
56 Isobutyl alcohol	43	4.400	4.410	-0.010	94	593927	625.0	615.2	
57 1,2-Dichloroethane	62	4.431	4.441	-0.010	96	431126	25.0	24.6	
59 n-Heptane	43	4.514	4.514	0.000	96	520098	25.0	22.4	
60 Trichloroethene	95	4.856	4.866	-0.010	95	247953	25.0	24.4	
62 Methylcyclohexane	83	4.949	4.960	-0.011	97	441326	25.0	24.9	
63 1,2-Dichloropropane	63	5.053	5.053	0.000	95	301079	25.0	25.1	
65 Dibromomethane	93	5.156	5.157	0.000	95	169003	25.0	27.1	
66 1,4-Dioxane	88	5.167	5.167	0.000	99	95810	500.0	523.1	
67 Dichlorobromomethane	83	5.281	5.281	0.000	97	301973	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	5.488	5.488	0.000	93	228146	25.0	24.6	
71 cis-1,3-Dichloropropene	75	5.592	5.602	-0.010	91	398536	25.0	24.5	
72 4-Methyl-2-pentanone (MIBK)	43	5.706	5.706	0.000	98	2346060	125.0	129.6	
73 Toluene	92	5.809	5.809	0.000	98	597664	25.0	23.9	
75 trans-1,3-Dichloropropene	75	6.027	6.027	0.000	97	381521	25.0	24.7	
77 Ethyl methacrylate	69	6.058	6.058	0.000	95	363091	25.0	25.4	
78 1,1,2-Trichloroethane	83	6.172	6.172	0.000	95	192309	25.0	24.5	
79 Tetrachloroethene	166	6.213	6.214	-0.001	93	240086	25.0	24.4	
80 1,3-Dichloropropane	76	6.296	6.296	0.000	96	412020	25.0	24.7	
81 2-Hexanone	43	6.338	6.338	0.000	98	1686685	125.0	130.7	
82 Chlorodibromomethane	129	6.473	6.473	0.000	91	236073	25.0	24.8	
83 Ethylene Dibromide	107	6.555	6.556	-0.001	99	246815	25.0	25.0	
86 Chlorobenzene	112	6.908	6.908	0.000	93	664171	25.0	24.6	
88 Ethylbenzene	91	6.970	6.970	0.000	99	1137901	25.0	24.5	
89 1,1,1,2-Tetrachloroethane	131	6.980	6.980	0.000	93	239342	25.0	24.9	
90 m-Xylene & p-Xylene	106	7.063	7.063	0.000	0	454526	25.0	24.9	
91 o-Xylene	106	7.374	7.374	0.000	99	430556	25.0	23.9	
92 Styrene	104	7.395	7.395	0.000	94	741465	25.0	25.3	
93 Bromoform	173	7.592	7.592	0.000	95	150537	25.0	26.1	
95 Isopropylbenzene	105	7.654	7.664	-0.010	97	1166167	25.0	25.0	
97 Bromobenzene	156	7.934	7.934	0.000	97	270733	25.0	24.9	
98 1,1,2,2-Tetrachloroethane	83	7.975	7.975	0.000	96	344651	25.0	25.3	
99 N-Propylbenzene	91	7.986	7.986	0.000	99	1385329	25.0	25.1	
100 1,2,3-Trichloropropane	110	7.996	7.996	0.000	88	112773	25.0	25.0	
101 trans-1,4-Dichloro-2-butene	53	8.006	8.006	0.000	91	145543	25.0	22.4	
105 2-Chlorotoluene	126	8.079	8.079	0.000	96	266953	25.0	23.9	
104 1,3,5-Trimethylbenzene	105	8.131	8.131	0.000	95	1003289	25.0	25.3	
102 4-Chlorotoluene	91	8.162	8.162	0.000	99	954632	25.0	24.6	
106 tert-Butylbenzene	134	8.390	8.390	0.000	94	217442	25.0	26.0	
107 1,2,4-Trimethylbenzene	105	8.431	8.431	0.000	98	1002550	25.0	24.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.566	8.566	0.000	95	1259415	25.0	24.7	
111 4-Isopropyltoluene	119	8.680	8.680	0.000	97	1113308	25.0	25.1	
110 1,3-Dichlorobenzene	146	8.680	8.680	0.000	70	540291	25.0	24.5	
113 1,4-Dichlorobenzene	146	8.763	8.763	0.000	95	553551	25.0	24.6	
115 n-Butylbenzene	91	9.022	9.022	0.000	98	990445	25.0	25.0	
116 1,2-Dichlorobenzene	146	9.074	9.074	0.000	96	543313	25.0	24.1	
117 1,2-Dibromo-3-Chloropropane	75	9.737	9.737	0.000	81	74005	25.0	24.5	
119 1,2,4-Trichlorobenzene	180	10.379	10.379	0.000	94	393180	25.0	25.1	
120 Hexachlorobutadiene	225	10.493	10.493	0.000	96	172689	25.0	24.4	
121 Naphthalene	128	10.597	10.587	0.010	98	1257587	25.0	25.8	
122 1,2,3-Trichlorobenzene	180	10.794	10.794	0.000	96	397821	25.0	24.8	

QC Flag Legend

Processing Flags

Reagents:

SS GAS CORP_00372	Amount Added:	12.50	Units: uL	
SS 8260 CORP_00087	Amount Added:	12.50	Units: uL	
T_8260_Surr_00210	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00249	Amount Added:	1.00	Units: uL	Run Reagent

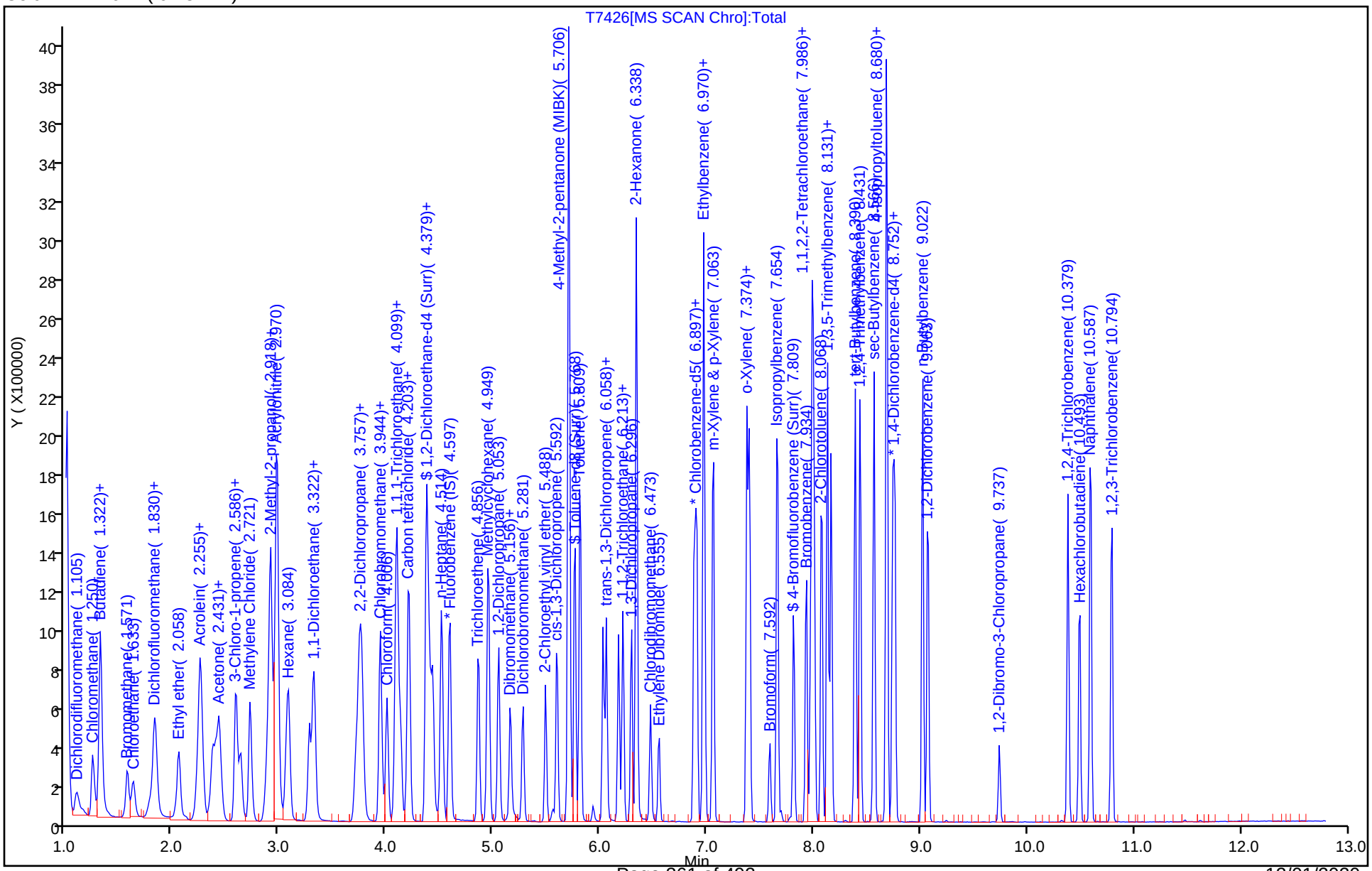
Report Date: 12-Oct-2020 15:17:57 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7426.D

Injection Date:	10-Oct-2020 21:23:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	ICV			Worklist Smp#:	30
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: CCVIS 480-560877/3 Calibration Date: 11/25/2020 10:46

Instrument ID: HP5975T Calib Start Date: 10/10/2020 13:02

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:48

Lab File ID: T9266.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.660	1.890	0.1000	28.5	25.0	13.9	50.0
Chloromethane	Ave	2.792	3.314	0.1000	29.7	25.0	18.7	20.0
Vinyl chloride	Ave	2.295	2.273	0.1000	24.8	25.0	-1.0	20.0
Butadiene	Ave	2.336	2.413		25.8	25.0	3.3	20.0
Bromomethane	Ave	1.073	1.149	0.1000	26.8	25.0	7.1	50.0
Chloroethane	Ave	1.206	1.247	0.1000	25.8	25.0	3.4	50.0
Dichlorofluoromethane	Ave	2.671	2.639		24.7	25.0	-1.2	20.0
Trichlorofluoromethane	Ave	2.318	2.298	0.1000	24.8	25.0	-0.9	20.0
Ethyl ether	Ave	1.581	1.680		26.6	25.0	6.3	20.0
Acrolein	Ave	0.2430	0.1747		89.9	125	-28.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.330	1.530	0.1000	28.8	25.0	15.0	20.0
1,1-Dichloroethene	Ave	1.221	1.382	0.1000	28.3	25.0	13.2	20.0
Acetone	Ave	0.8047	0.7476	0.1000	116	125	-7.1	50.0
Iodomethane	Ave	2.276	2.461		27.0	25.0	8.1	20.0
Carbon disulfide	Ave	4.460	3.861	0.1000	21.6	25.0	-13.4	20.0
Allyl chloride	Ave	2.976	2.830		23.8	25.0	-4.9	20.0
Methyl acetate	Ave	1.918	2.033	0.1000	53.0	50.0	6.0	50.0
Methylene Chloride	Lin1		1.517	0.1000	26.4	25.0	5.7	20.0
2-Methyl-2-propanol	Ave	0.3483	0.2837		204	250	-18.5	50.0
Methyl tert-butyl ether	Ave	4.509	3.740	0.1000	20.7	25.0	-17.0	20.0
trans-1,2-Dichloroethene	Ave	1.368	1.569	0.1000	28.7	25.0	14.7	20.0
Acrylonitrile	Ave	1.027	1.063		259	250	3.5	20.0
Hexane	Ave	2.876	3.288		28.6	25.0	14.3	20.0
1,1-Dichloroethane	Ave	3.025	3.248	0.2000	26.8	25.0	7.4	20.0
Vinyl acetate	Ave	3.877	4.857		62.6	50.0	25.3*	20.0
2,2-Dichloropropane	Ave	2.106	1.425		16.9	25.0	-32.3*	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.709	0.1000	28.0	25.0	11.9	20.0
2-Butanone (MEK)	Ave	1.249	1.431	0.1000	143	125	14.6	20.0
Chlorobromomethane	Ave	0.7690	0.9140		29.7	25.0	18.9	20.0
Tetrahydrofuran	Ave	0.9151	0.8964		49.0	50.0	-2.0	20.0
Chloroform	Ave	2.496	2.673	0.2000	26.8	25.0	7.1	20.0
1,1,1-Trichloroethane	Ave	2.099	1.922	0.1000	22.9	25.0	-8.4	20.0
Cyclohexane	Ave	3.459	3.310	0.1000	23.9	25.0	-4.3	20.0
Carbon tetrachloride	Ave	1.916	2.003	0.1000	26.1	25.0	4.5	20.0
1,1-Dichloropropene	Ave	2.018	2.354		29.2	25.0	16.6	20.0
Benzene	Ave	5.481	6.300	0.5000	28.7	25.0	15.0	20.0
Isobutyl alcohol	Ave	0.1363	0.1361		624	625	-0.1	50.0
1,2-Dichloroethane	Ave	2.475	2.795	0.1000	28.2	25.0	13.0	20.0
n-Heptane	Ave	3.284	3.822		29.1	25.0	16.4	20.0
Trichloroethene	Ave	1.436	1.716	0.2000	29.9	25.0	19.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: CCVIS 480-560877/3 Calibration Date: 11/25/2020 10:46

Instrument ID: HP5975T Calib Start Date: 10/10/2020 13:02

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:48

Lab File ID: T9266.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.503	2.450	0.1000	24.5	25.0	-2.1	20.0
1,2-Dichloropropane	Ave	1.696	2.011	0.1000	29.7	25.0	18.6	20.0
1,4-Dioxane	Ave	0.0074	0.0065		435	500	-13.0	50.0
Dibromomethane	Ave	0.8793	1.115	0.1000	31.7	25.0	26.8*	20.0
Bromodichloromethane	Ave	1.720	2.045	0.2000	29.7	25.0	18.9	20.0
2-Chloroethyl vinyl ether	Ave	1.309	1.427		27.3	25.0	9.1	20.0
cis-1,3-Dichloropropene	Ave	2.293	2.739	0.2000	29.9	25.0	19.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7351	0.7326	0.1000	125	125	-0.3	20.0
Toluene	Ave	1.016	1.115	0.4000	27.4	25.0	9.7	20.0
trans-1,3-Dichloropropene	Ave	0.6267	0.6962	0.1000	27.8	25.0	11.1	20.0
Ethyl methacrylate	Ave	0.5799	0.6414		27.7	25.0	10.6	20.0
1,1,2-Trichloroethane	Ave	0.3190	0.3419	0.1000	26.8	25.0	7.2	20.0
Tetrachloroethene	Ave	0.3996	0.4686	0.2000	29.3	25.0	17.3	20.0
1,3-Dichloropropane	Ave	0.6769	0.7440		27.5	25.0	9.9	20.0
2-Hexanone	Ave	0.5242	0.5600	0.1000	134	125	6.8	20.0
Dibromochloromethane	Ave	0.3864	0.4534	0.1000	29.3	25.0	17.3	20.0
1,2-Dibromoethane	Ave	0.4005	0.4473		27.9	25.0	11.7	20.0
Chlorobenzene	Ave	1.098	1.240	0.5000	28.2	25.0	12.9	20.0
Ethylbenzene	Ave	1.889	2.066	0.1000	27.3	25.0	9.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3905	0.4270		27.3	25.0	9.3	20.0
m,p-Xylene	Ave	0.7428	0.8283	0.1000	27.9	25.0	11.5	20.0
o-Xylene	Ave	0.7319	0.7795	0.3000	26.6	25.0	6.5	20.0
Styrene	Ave	1.190	1.352	0.3000	28.4	25.0	13.6	20.0
Bromoform	Ave	0.2341	0.2769	0.1000	29.6	25.0	18.3	50.0
Isopropylbenzene	Ave	3.632	3.875	0.1000	26.7	25.0	6.7	20.0
Bromobenzene	Ave	0.8466	0.9847		29.1	25.0	16.3	20.0
1,1,2,2-Tetrachloroethane	Ave	1.061	1.157	0.3000	27.2	25.0	9.0	20.0
N-Propylbenzene	Ave	4.295	4.772		27.8	25.0	11.1	20.0
1,2,3-Trichloropropane	Ave	0.3513	0.3883		27.6	25.0	10.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.5046	0.4271		21.2	25.0	-15.4	50.0
2-Chlorotoluene	Ave	0.8699	0.9466		27.2	25.0	8.8	20.0
1,3,5-Trimethylbenzene	Ave	3.084	3.386		27.4	25.0	9.8	20.0
4-Chlorotoluene	Ave	3.022	3.061		25.3	25.0	1.3	20.0
tert-Butylbenzene	Ave	0.6509	0.7437		28.6	25.0	14.2	20.0
1,2,4-Trimethylbenzene	Ave	3.128	3.510		28.0	25.0	12.2	20.0
sec-Butylbenzene	Ave	3.960	4.309		27.2	25.0	8.8	20.0
1,3-Dichlorobenzene	Ave	1.713	2.000	0.6000	29.2	25.0	16.8	20.0
4-Isopropyltoluene	Ave	3.450	3.905		28.3	25.0	13.2	20.0
1,4-Dichlorobenzene	Ave	1.753	2.032	0.5000	29.0	25.0	15.9	20.0
n-Butylbenzene	Ave	3.081	3.431		27.8	25.0	11.4	20.0
1,2-Dichlorobenzene	Ave	1.756	1.932	0.4000	27.5	25.0	10.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Lab Sample ID: CCVIS 480-560877/3 Calibration Date: 11/25/2020 10:46

Instrument ID: HP5975T Calib Start Date: 10/10/2020 13:02

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 10/10/2020 15:48

Lab File ID: T9266.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2352	0.2301	0.0500	24.5	25.0	-2.1	50.0
1,2,4-Trichlorobenzene	Ave	1.219	1.301	0.2000	26.7	25.0	6.7	20.0
Hexachlorobutadiene	Ave	0.5504	0.6070		27.6	25.0	10.3	20.0
Naphthalene	Ave	3.790	3.862		25.5	25.0	1.9	20.0
1,2,3-Trichlorobenzene	Ave	1.247	1.247		25.0	25.0	0.0	20.0
Dibromofluoromethane (Surr)	Ave	1.112	1.233		27.7	25.0	10.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.564	1.668		26.7	25.0	6.7	20.0
Toluene-d8 (Surr)	Ave	1.205	1.242		25.8	25.0	3.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3496	0.3790		27.1	25.0	8.4	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9266.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 25-Nov-2020 10:46:30 ALS Bottle#: 23 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0095257-003
Operator ID: LH Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2020 11:20:53 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: HillL Date: 25-Nov-2020 11:20:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.597	4.597	0.000	98	176063	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.877	6.877	0.000	87	667872	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	95	347822	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.130	4.130	0.000	92	217001	25.0	27.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.379	4.379	0.000	0	293708	25.0	26.7	
$ 6 Toluene-d8 (Surr)	98	5.757	5.757	0.000	93	829646	25.0	25.8	
$ 7 4-Bromofluorobenzene (Surr)	174	7.809	7.809	0.000	0	253141	25.0	27.1	
11 Dichlorodifluoromethane	85	1.094	1.094	0.000	99	332725	25.0	28.5	
13 Chloromethane	50	1.250	1.250	0.000	99	583454	25.0	29.7	
14 Vinyl chloride	62	1.312	1.312	0.000	98	400169	25.0	24.8	
151 Butadiene	54	1.322	1.322	0.000	83	424843	25.0	25.8	
15 Bromomethane	94	1.571	1.571	0.000	92	202383	25.0	26.8	
16 Chloroethane	64	1.633	1.633	0.000	99	219482	25.0	25.8	
18 Dichlorofluoromethane	67	1.820	1.820	0.000	95	464551	25.0	24.7	
17 Trichlorofluoromethane	101	1.820	1.820	0.000	78	404607	25.0	24.8	
19 Ethyl ether	59	2.058	2.058	0.000	96	295712	25.0	26.6	
21 Acrolein	56	2.224	2.224	0.000	98	153828	125.0	89.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.265	2.265	0.000	58	269358	25.0	28.8	M
22 1,1-Dichloroethene	96	2.276	2.276	0.000	93	243283	25.0	28.3	
23 Acetone	43	2.358	2.358	0.000	100	658125	125.0	116.1	
24 Iodomethane	142	2.421	2.421	0.000	99	433349	25.0	27.0	
25 Carbon disulfide	76	2.441	2.441	0.000	100	679703	25.0	21.6	
27 3-Chloro-1-propene	41	2.597	2.597	0.000	90	498268	25.0	23.8	
28 Methyl acetate	43	2.628	2.628	0.000	99	715706	50.0	53.0	
30 Methylene Chloride	84	2.731	2.731	0.000	95	267141	25.0	26.4	
31 2-Methyl-2-propanol	59	2.877	2.877	0.000	88	499487	250.0	203.6	
33 Methyl tert-butyl ether	73	2.918	2.918	0.000	97	658518	25.0	20.7	
32 trans-1,2-Dichloroethene	96	2.918	2.918	0.000	92	276301	25.0	28.7	
34 Acrylonitrile	53	2.970	2.970	0.000	99	1871185	250.0	258.6	
35 Hexane	57	3.073	3.073	0.000	92	578919	25.0	28.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.281	3.281	0.000	96	571790	25.0	26.8	
39 Vinyl acetate	43	3.322	3.322	0.000	97	1710167	50.0	62.6	
42 2,2-Dichloropropane	77	3.716	3.716	0.000	93	250968	25.0	16.9	
43 cis-1,2-Dichloroethene	96	3.747	3.747	0.000	85	300936	25.0	28.0	
44 2-Butanone (MEK)	43	3.768	3.768	0.000	99	1259975	125.0	143.2	
47 Chlorobromomethane	128	3.944	3.944	0.000	94	160921	25.0	29.7	
48 Tetrahydrofuran	42	3.944	3.944	0.000	95	315641	50.0	49.0	
50 Chloroform	83	4.006	4.006	0.000	94	470693	25.0	26.8	
51 1,1,1-Trichloroethane	97	4.089	4.089	0.000	84	338415	25.0	22.9	
52 Cyclohexane	56	4.089	4.089	0.000	91	582794	25.0	23.9	
53 Carbon tetrachloride	117	4.203	4.203	0.000	96	352598	25.0	26.1	
54 1,1-Dichloropropene	75	4.213	4.213	0.000	94	414380	25.0	29.2	
55 Benzene	78	4.379	4.379	0.000	96	1109245	25.0	28.7	
56 Isobutyl alcohol	43	4.400	4.400	0.000	95	599242	625.0	624.4	
57 1,2-Dichloroethane	62	4.431	4.431	0.000	97	492105	25.0	28.2	
59 n-Heptane	43	4.514	4.514	0.000	95	672987	25.0	29.1	
60 Trichloroethene	95	4.856	4.856	0.000	95	302160	25.0	29.9	
62 Methylcyclohexane	83	4.949	4.949	0.000	98	431434	25.0	24.5	
63 1,2-Dichloropropane	63	5.053	5.053	0.000	96	354137	25.0	29.7	
65 Dibromomethane	93	5.156	5.156	0.000	96	196344	25.0	31.7	
66 1,4-Dioxane	88	5.156	5.156	0.000	95	86457	500.0	435.0	
67 Dichlorobromomethane	83	5.281	5.281	0.000	96	360057	25.0	29.7	
69 2-Chloroethyl vinyl ether	63	5.488	5.488	0.000	92	251324	25.0	27.3	
71 cis-1,3-Dichloropropene	75	5.592	5.592	0.000	93	482307	25.0	29.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.706	5.706	0.000	97	2446366	125.0	124.6	
73 Toluene	92	5.809	5.809	0.000	98	744344	25.0	27.4	
75 trans-1,3-Dichloropropene	75	6.027	6.027	0.000	96	464955	25.0	27.8	
77 Ethyl methacrylate	69	6.058	6.058	0.000	94	428392	25.0	27.7	
78 1,1,2-Trichloroethane	83	6.172	6.172	0.000	93	228317	25.0	26.8	
79 Tetrachloroethene	166	6.213	6.213	0.000	94	312947	25.0	29.3	
80 1,3-Dichloropropane	76	6.296	6.296	0.000	96	496884	25.0	27.5	
81 2-Hexanone	43	6.338	6.338	0.000	96	1869890	125.0	133.5	
82 Chlorodibromomethane	129	6.473	6.473	0.000	91	302833	25.0	29.3	
83 Ethylene Dibromide	107	6.545	6.545	0.000	98	298762	25.0	27.9	
86 Chlorobenzene	112	6.908	6.908	0.000	95	828450	25.0	28.2	
88 Ethylbenzene	91	6.970	6.970	0.000	98	1379745	25.0	27.3	
89 1,1,1,2-Tetrachloroethane	131	6.980	6.980	0.000	93	285155	25.0	27.3	
90 m-Xylene & p-Xylene	106	7.053	7.053	0.000	0	553167	25.0	27.9	
91 o-Xylene	106	7.374	7.374	0.000	98	520639	25.0	26.6	
92 Styrene	104	7.395	7.395	0.000	94	902640	25.0	28.4	
93 Bromoform	173	7.592	7.592	0.000	96	184960	25.0	29.6	
95 Isopropylbenzene	105	7.654	7.654	0.000	97	1347881	25.0	26.7	
97 Bromobenzene	156	7.934	7.934	0.000	96	342497	25.0	29.1	
98 1,1,2,2-Tetrachloroethane	83	7.975	7.975	0.000	94	402352	25.0	27.2	
99 N-Propylbenzene	91	7.986	7.986	0.000	99	1659775	25.0	27.8	
100 1,2,3-Trichloropropane	110	7.996	7.996	0.000	89	135055	25.0	27.6	
101 trans-1,4-Dichloro-2-butene	53	8.006	8.006	0.000	80	148568	25.0	21.2	
105 2-Chlorotoluene	126	8.068	8.068	0.000	96	329243	25.0	27.2	
104 1,3,5-Trimethylbenzene	105	8.131	8.131	0.000	94	1177806	25.0	27.4	
102 4-Chlorotoluene	91	8.162	8.162	0.000	98	1064590	25.0	25.3	
106 tert-Butylbenzene	134	8.390	8.390	0.000	94	258667	25.0	28.6	
107 1,2,4-Trimethylbenzene	105	8.431	8.431	0.000	97	1220694	25.0	28.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.566	8.566	0.000	94	1498804	25.0	27.2	
111 4-Isopropyltoluene	119	8.680	8.680	0.000	97	1358087	25.0	28.3	
110 1,3-Dichlorobenzene	146	8.680	8.680	0.000	71	695702	25.0	29.2	
113 1,4-Dichlorobenzene	146	8.763	8.763	0.000	95	706896	25.0	29.0	
115 n-Butylbenzene	91	9.022	9.022	0.000	98	1193504	25.0	27.8	
116 1,2-Dichlorobenzene	146	9.063	9.063	0.000	96	671829	25.0	27.5	
117 1,2-Dibromo-3-Chloropropane	75	9.737	9.737	0.000	83	80035	25.0	24.5	
119 1,2,4-Trichlorobenzene	180	10.379	10.379	0.000	95	452352	25.0	26.7	
120 Hexachlorobutadiene	225	10.483	10.483	0.000	96	211117	25.0	27.6	
121 Naphthalene	128	10.587	10.587	0.000	98	1343284	25.0	25.5	
122 1,2,3-Trichlorobenzene	180	10.794	10.794	0.000	95	433733	25.0	25.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00195	Amount Added:	12.50	Units: uL	
GAS CORP mix_00429	Amount Added:	12.50	Units: uL	
T_8260_Surr_00211	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00250	Amount Added:	1.00	Units: uL	Run Reagent

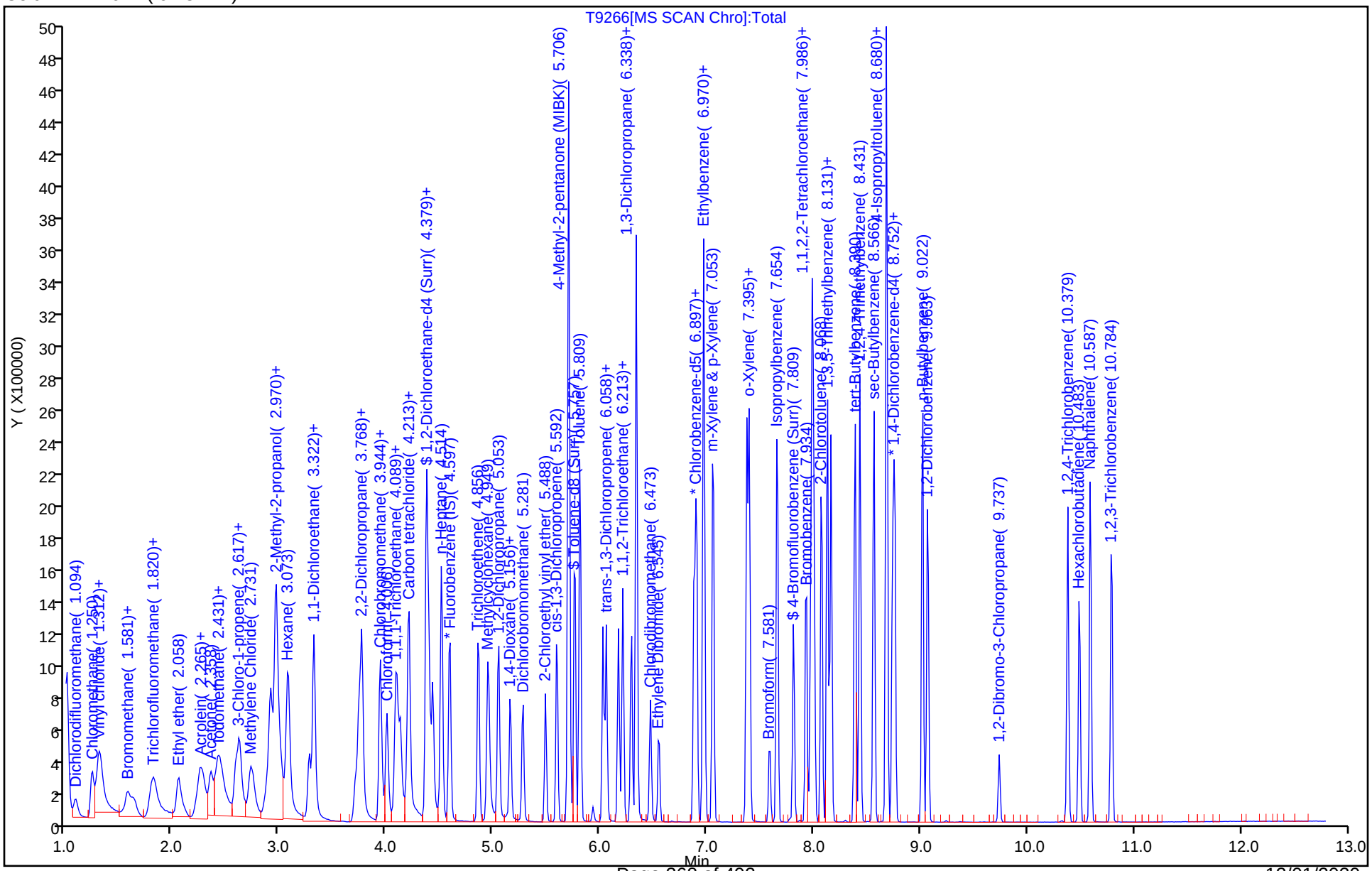
Report Date: 25-Nov-2020 11:20:56 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9266.D

Injection Date:	25-Nov-2020 10:46:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

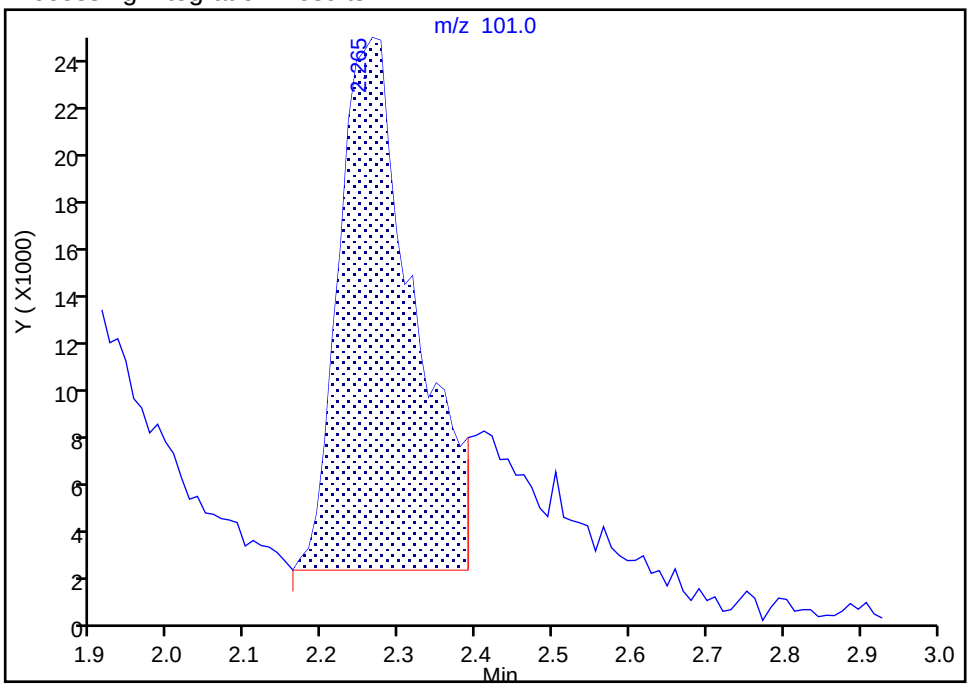
Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9266.D
Injection Date: 25-Nov-2020 10:46:30 Instrument ID: HP5975T
Lims ID: CCVIS
Client ID:
Operator ID: LH ALS Bottle#: 23 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

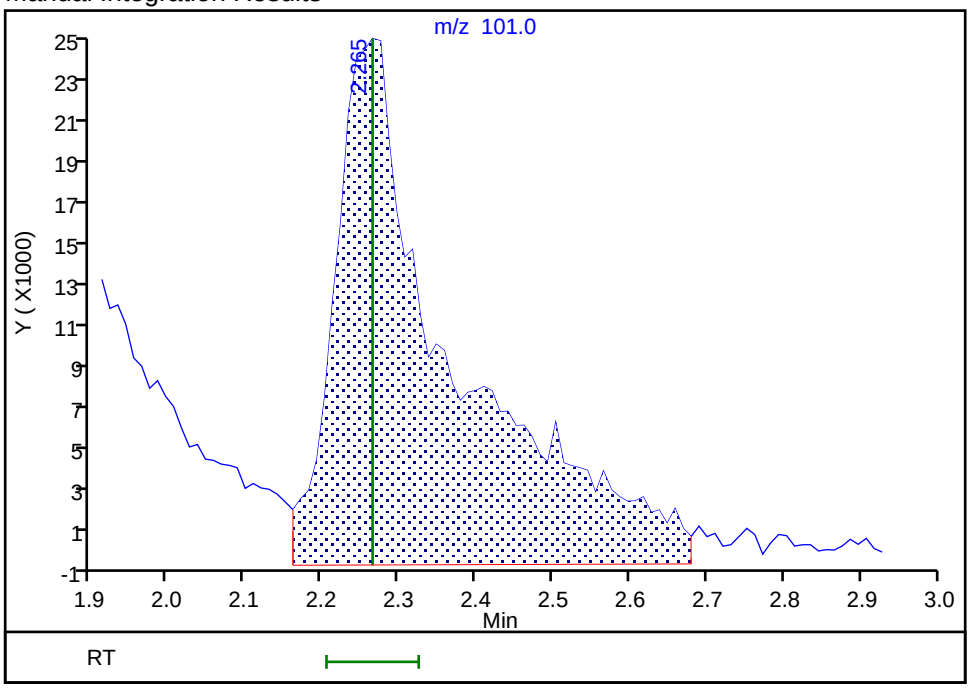
Processing Integration Results

RT: 2.27
Area: 151326
Amount: 16.157739
Amount Units: ug/L



Manual Integration Results

RT: 2.27
Area: 269358
Amount: 28.760533
Amount Units: ug/L



Reviewer: HillL, 25-Nov-2020 11:10:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7387.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 18-Nov-2020 13:15:30 ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0095054-006
Operator ID: LH Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Nov-2020 17:55:06 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1666

First Level Reviewer: HillL Date: 18-Nov-2020 17:55:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	5.130	5.130	0.000	88	249724	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

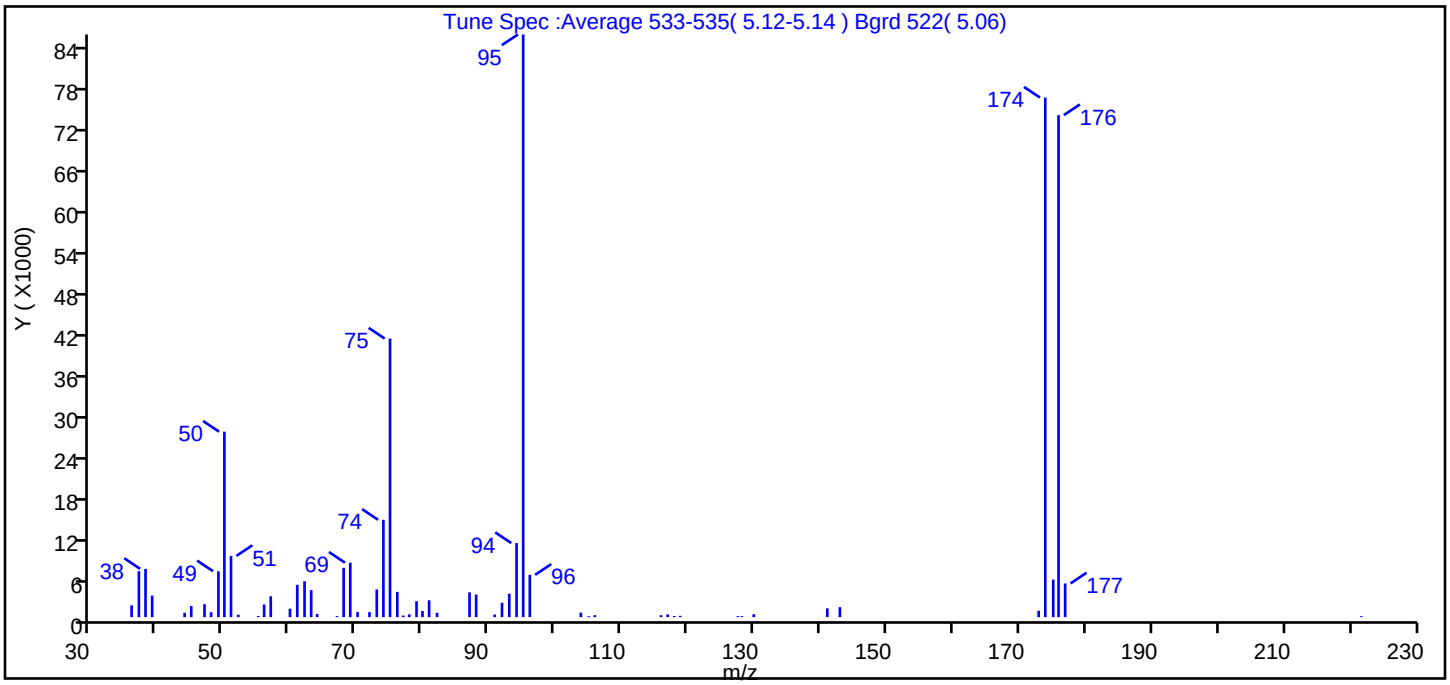
BFB_WRK_00113 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7387.D
Injection Date: 18-Nov-2020 13:15:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 6
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	31.8
75	30 to 60% of m/z 95	47.8
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	1.1 (1.2)
174	50 to 120% of m/z 95	89.2
175	5 to 9% of m/z 174	6.5 (7.2)
176	Greater than 95% but less than 101% of m/z 174	86.2 (96.6)
177	5 to 9% of m/z 176	5.8 (6.7)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7387.D\N-8260.rslt\spectra.d
Injection Date: 18-Nov-2020 13:15:30
Spectrum: Tune Spec :Average 533-535(5.12-5.14) Bgrd 522(5.06)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1726	61.00	4741	80.00	897	118.00	167
37.00	6751	62.00	5275	81.00	2482	119.00	196
38.00	7087	63.00	3969	82.00	648	128.00	145
39.00	3166	64.00	457	87.00	3644	128.00	142
44.00	643	67.00	153	88.00	3323	130.00	426
45.00	1628	68.00	7247	91.00	386	141.00	1289
47.00	1895	69.00	8001	92.00	2103	143.00	1469
48.00	722	70.00	746	93.00	3442	173.00	933
49.00	6740	72.00	737	94.00	10882	174.00	76312
50.00	27240	73.00	4071	95.00	85576	175.00	5521
51.00	8989	74.00	14300	96.00	6216	176.00	73736
52.00	360	75.00	40912	104.00	667	177.00	4952
55.00	162	76.00	3710	105.00	141	222.00	136
56.00	1861	77.00	231	106.00	290		
57.00	3065	78.00	412	116.00	285		
60.00	1241	79.00	2327	117.00	407		

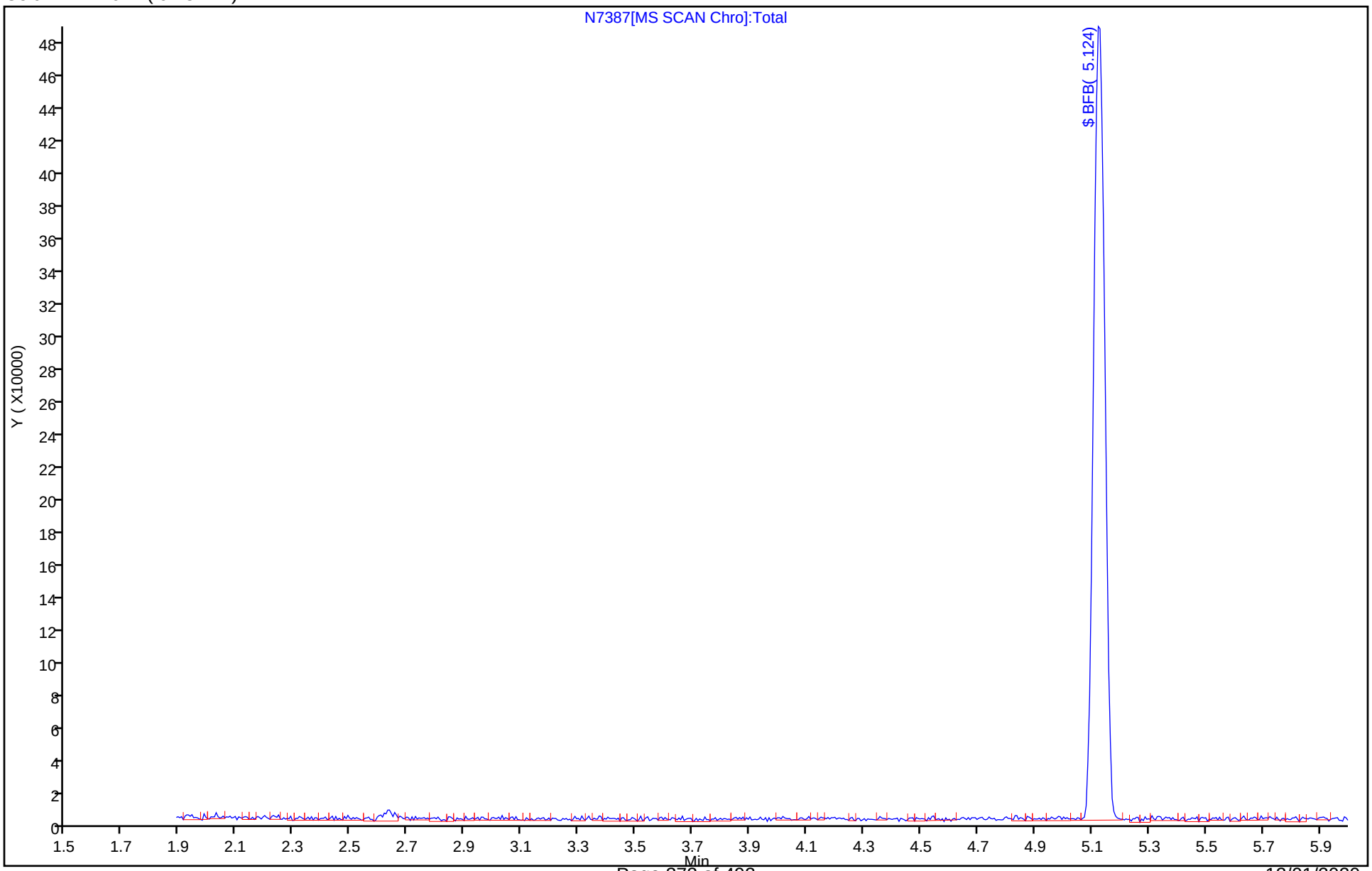
Report Date: 18-Nov-2020 17:55:06 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7387.D

Injection Date:	18-Nov-2020 13:15:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7752.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 25-Nov-2020 08:19:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0095244-002
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2020 08:31:28 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: moffata Date: 25-Nov-2020 08:31:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	5.106	5.106	0.000	89	217114	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

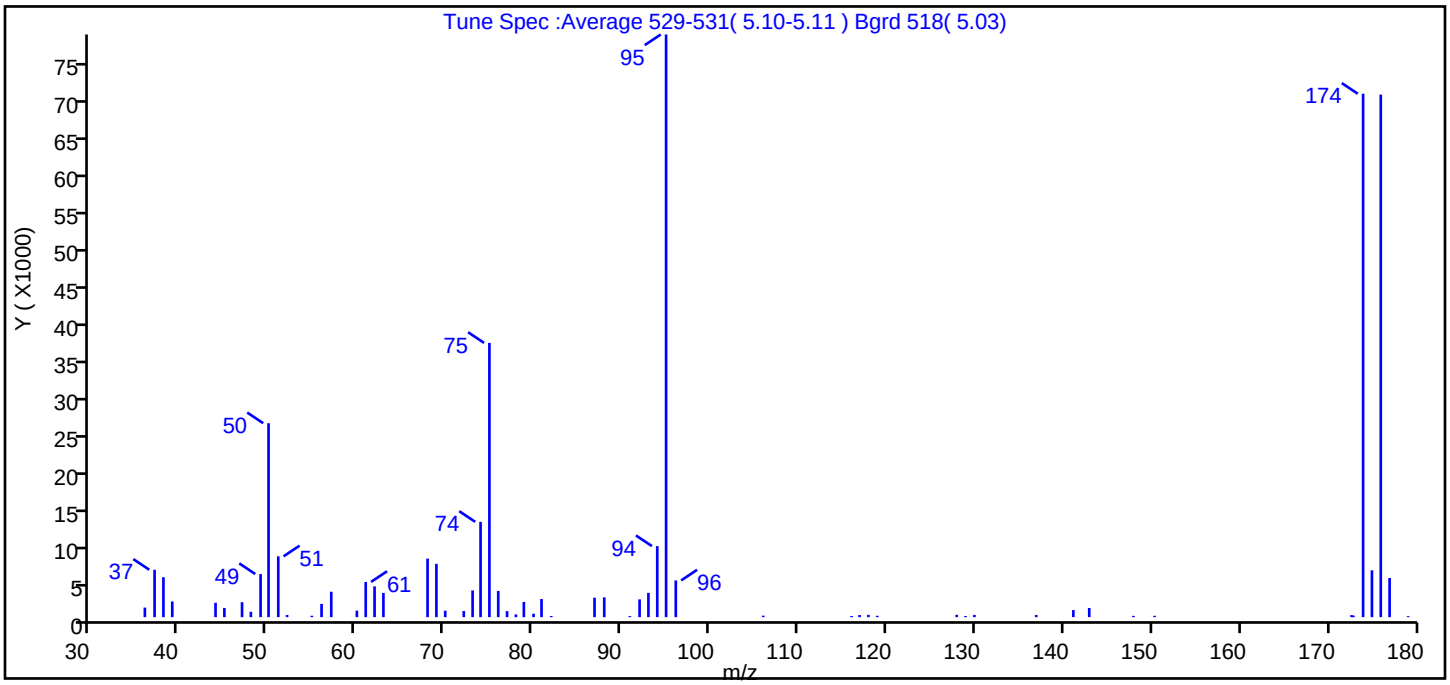
BFB_WRK_00113 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7752.D
Injection Date: 25-Nov-2020 08:19:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	33.3
75	30 to 60% of m/z 95	47.1
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.6 (0.7)
174	50 to 120% of m/z 95	89.8
175	5 to 9% of m/z 174	8.0 (9.0)
176	Greater than 95% but less than 101% of m/z 174	89.7 (99.8)
177	5 to 9% of m/z 176	6.7 (7.5)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7752.D\N-8260.rslt\spectra.d
Injection Date: 25-Nov-2020 08:19:30
Spectrum: Tune Spec :Average 529-531(5.10-5.11) Bgrd 518(5.03)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1291	61.00	4759	82.00	159	130.00	306
37.00	6405	62.00	4161	87.00	2632	137.00	298
38.00	5396	63.00	3268	88.00	2673	141.00	956
39.00	2118	68.00	7908	91.00	140	143.00	1238
44.00	1940	69.00	7204	92.00	2403	148.00	174
45.00	1239	70.00	874	93.00	3280	150.00	183
47.00	2020	72.00	829	94.00	9601	173.00	279
48.00	731	73.00	3613	95.00	78744	173.00	206
49.00	5825	74.00	12878	96.00	4959	174.00	70736
50.00	26208	75.00	37064	106.00	203	175.00	6332
51.00	8221	76.00	3543	116.00	157	176.00	70616
52.00	290	77.00	813	117.00	287	177.00	5291
55.00	191	78.00	367	118.00	307	179.00	135
56.00	1793	79.00	2059	119.00	185		
57.00	3430	80.00	464	128.00	313		
60.00	880	81.00	2447	129.00	156		

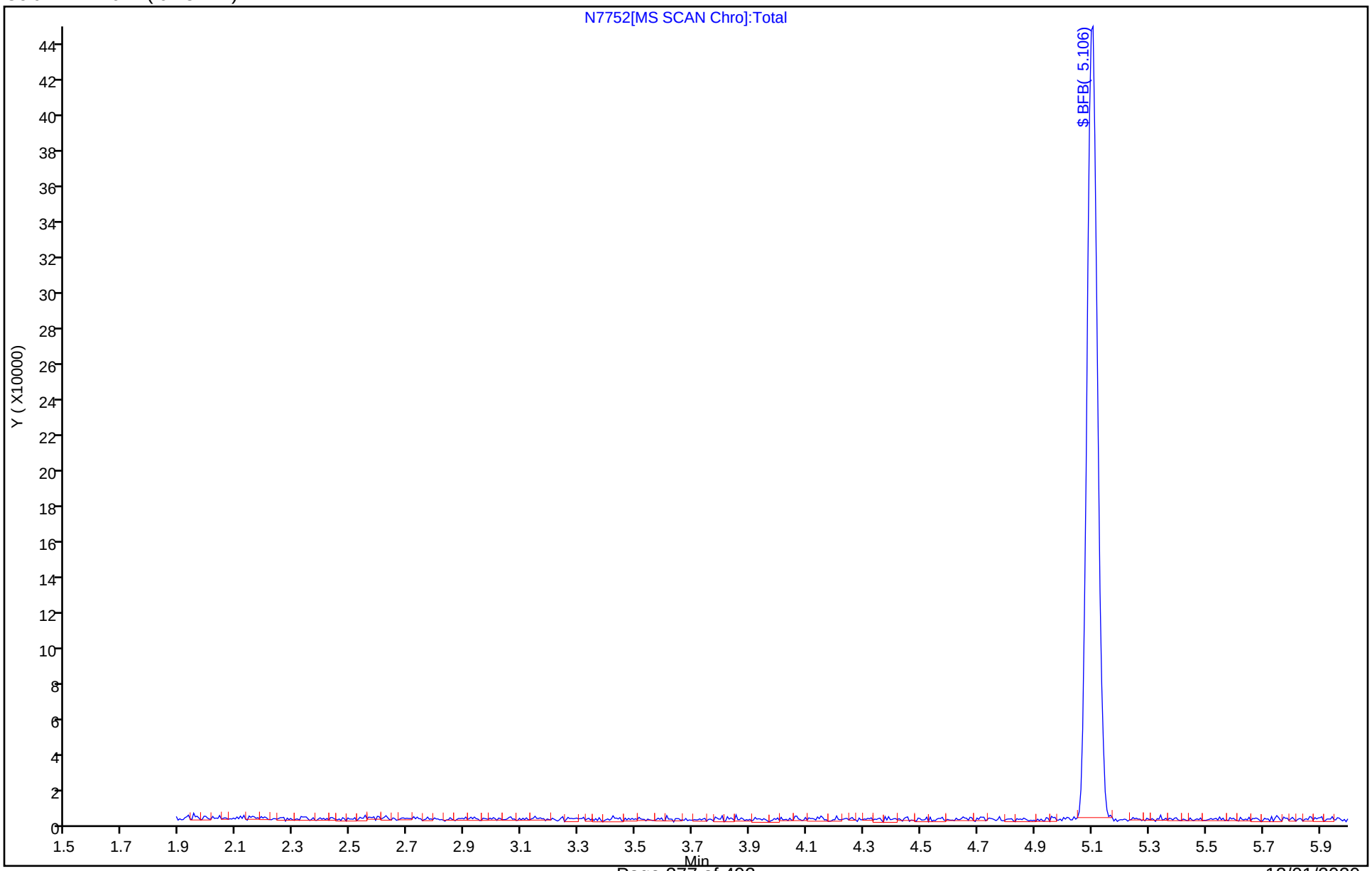
Report Date: 25-Nov-2020 08:31:28 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7752.D

Injection Date:	25-Nov-2020 08:19:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4438.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	19-Nov-2020 14:17:30	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0095091-006				
Operator ID:	LH	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	19-Nov-2020 14:30:11	Calib Date:	13-Oct-2020 22:41:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20201013-94104.b\S2731.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1601				
First Level Reviewer: HillL		Date:	19-Nov-2020 14:30:11		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.686	3.686	0.000	0	365258	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

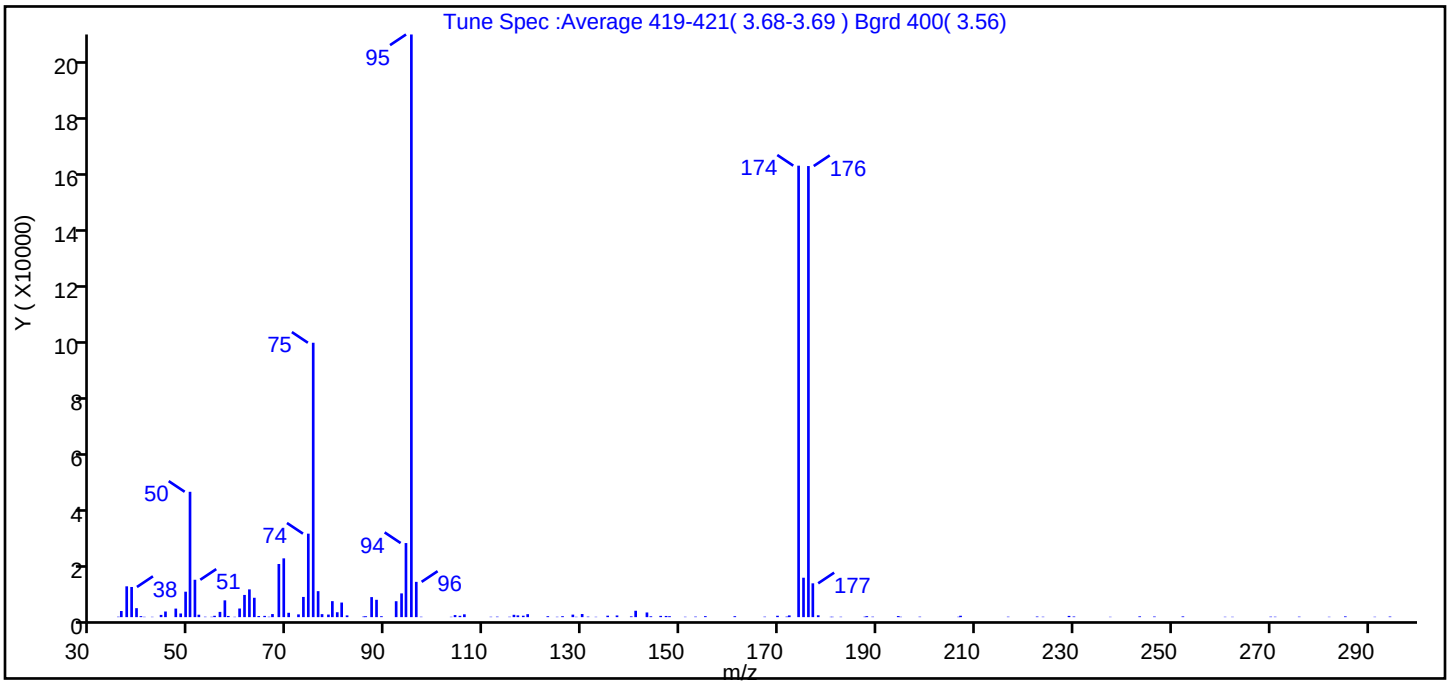
BFB_WRK_00113 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4438.D
Injection Date: 19-Nov-2020 14:17:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.5
75	30 to 60% of m/z 95	47.1
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.5
175	5 to 9% of m/z 174	6.8 (8.7)
176	Greater than 95% but less than 101% of m/z 174	77.4 (99.9)
177	5 to 9% of m/z 176	5.8 (7.5)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4438.D\S-8260.rslt\spectra.d
Injection Date: 19-Nov-2020 14:17:30
Spectrum: Tune Spec :Average 419-421(3.68-3.69) Bgrd 400(3.56)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 126

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	150	69.00	20216	117.00	602	178.00	638
36.00	2107	70.00	1497	118.00	492	181.00	118
37.00	10602	72.00	952	119.00	1020	181.00	119
38.00	10373	73.00	6953	123.00	324	183.00	133
39.00	3086	74.00	28712	125.00	128	188.00	161
40.00	349	75.00	94368	126.00	327	188.00	339
41.00	119	76.00	8939	128.00	870	189.00	161
42.00	117	77.00	1034	129.00	118	194.00	369
44.00	772	78.00	892	130.00	1077	195.00	125
45.00	1941	79.00	5500	131.00	182	199.00	163
47.00	2941	80.00	1682	133.00	118	207.00	130
48.00	1262	81.00	5022	135.00	498	207.00	481
49.00	8751	82.00	597	137.00	574	217.00	153
50.00	43112	85.00	229	140.00	269	223.00	219
51.00	12852	86.00	306	141.00	2196	224.00	141
52.00	838	87.00	6894	143.00	1608	229.00	425
53.00	149	88.00	5965	144.00	292	230.00	225
54.00	123	89.00	312	146.00	438	238.00	117
55.00	465	92.00	5476	147.00	407	244.00	272
56.00	1808	93.00	8170	148.00	326	246.00	216
57.00	5775	94.00	25480	151.00	132	252.00	256
58.00	402	95.00	200384	153.00	183	261.00	127
59.00	121	96.00	12136	155.00	347	262.00	120
60.00	2968	97.00	140	161.00	331	270.00	169
61.00	7637	103.00	119	167.00	162	271.00	147
62.00	9546	104.00	712	170.00	477	276.00	169
63.00	6662	105.00	454	172.00	189	282.00	124
64.00	384	106.00	971	172.00	597	285.00	262
65.00	433	111.00	133	174.00	155264	291.00	129
66.00	143	113.00	172	175.00	13557	294.00	204
67.00	1058	115.00	138	176.00	155136		
68.00	18280	116.00	805	177.00	11629		

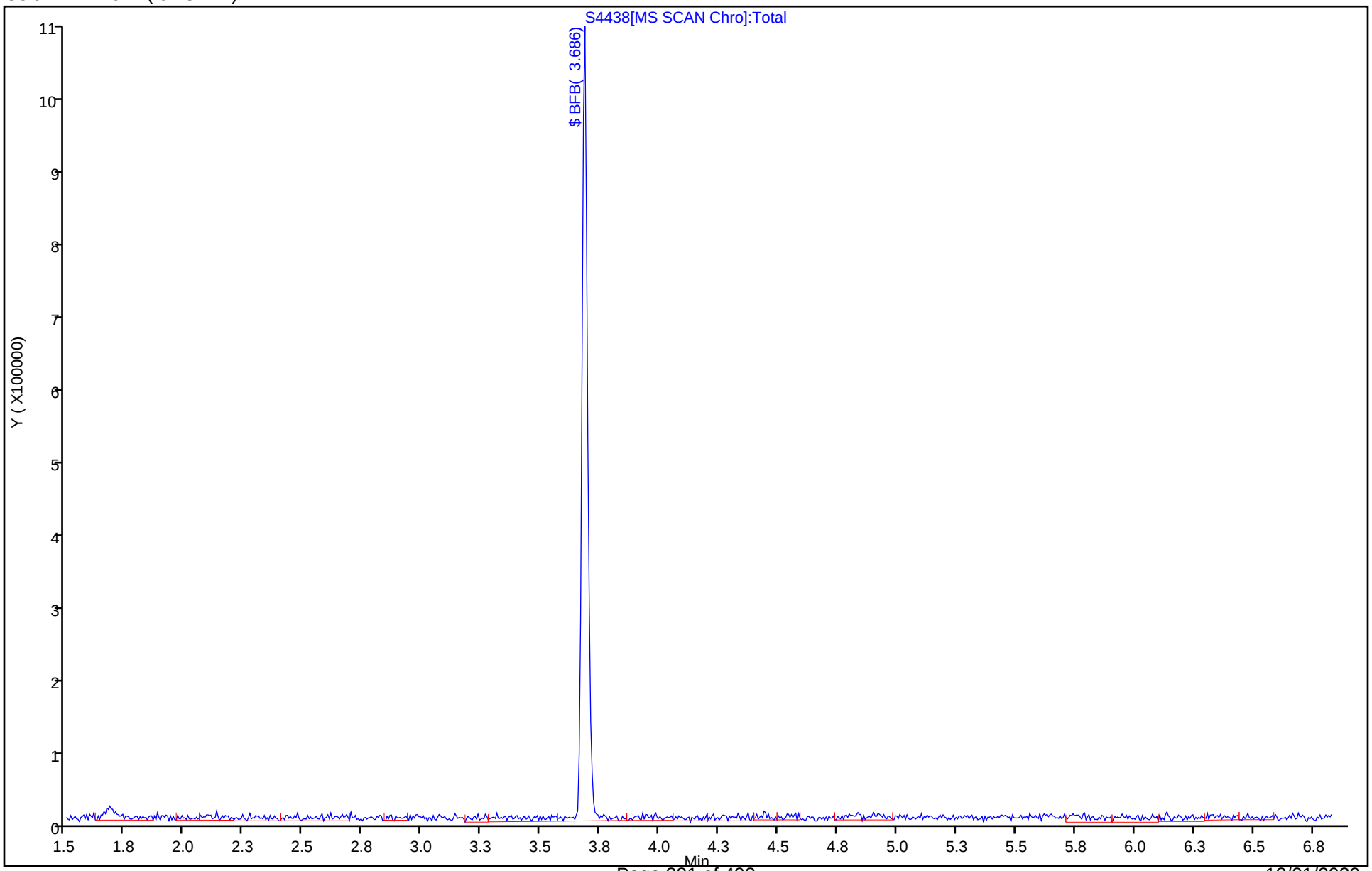
Report Date: 19-Nov-2020 14:30:12 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4438.D

Injection Date:	19-Nov-2020 14:17:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4633.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	24-Nov-2020 07:02:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0095204-002				
Operator ID:	AM	Instrument ID:	HP5973S		
Method:	\\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	24-Nov-2020 07:11:35	Calib Date:	19-Nov-2020 22:05:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1640				
First Level Reviewer: moffata		Date:	24-Nov-2020 07:11:35		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.735	3.735	0.000	0	1240953	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

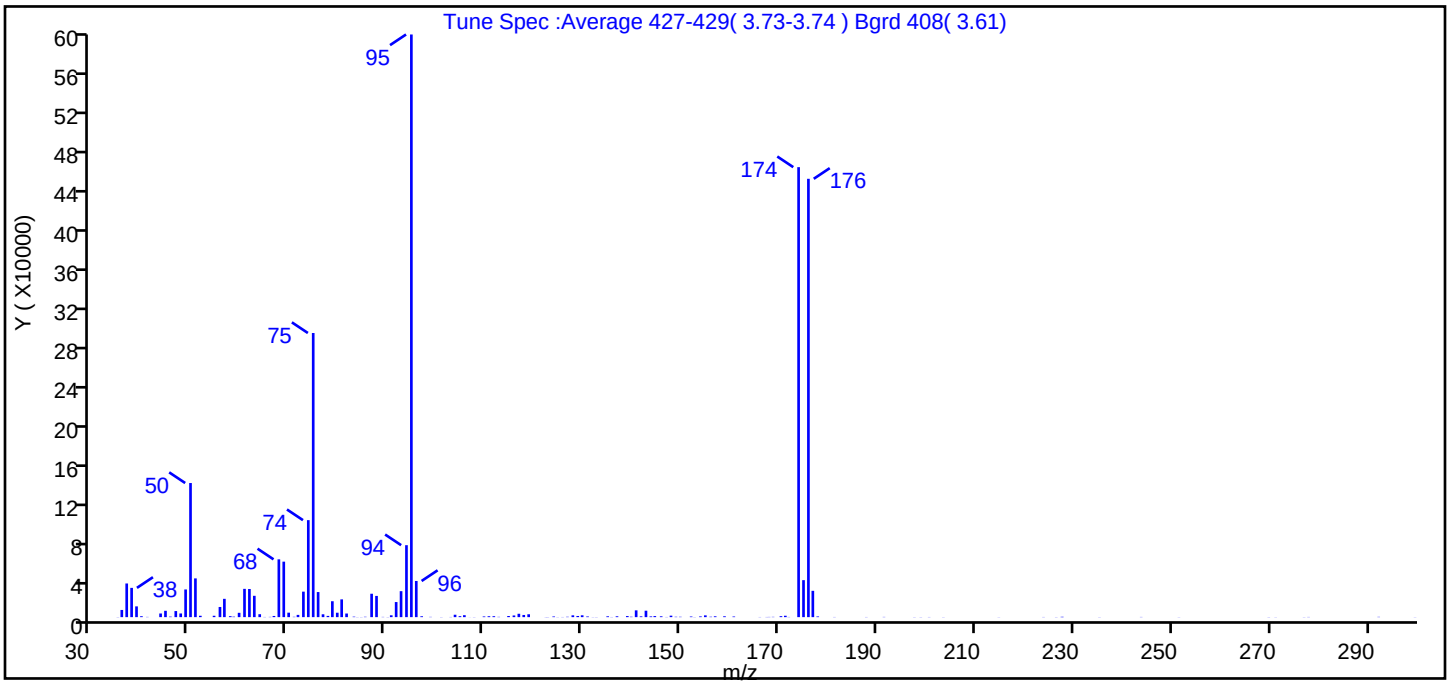
BFB_WRK_00113 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4633.D
Injection Date: 24-Nov-2020 07:02:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.0
75	30 to 60% of m/z 95	48.8
96	5 to 9% of m/z 95	6.2
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.2
175	5 to 9% of m/z 174	6.3 (8.2)
176	Greater than 95% but less than 101% of m/z 174	75.2 (97.4)
177	5 to 9% of m/z 176	4.5 (6.0)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4633.D\S-8260.rslt\spectra.d
Injection Date: 24-Nov-2020 07:02:30
Spectrum: Tune Spec :Average 427-429(3.73-3.74) Bgrd 408(3.61)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 144

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	145	75.00	290560	116.00	1716	157.00	854
36.00	7352	76.00	25656	117.00	3456	159.00	872
37.00	34424	77.00	2921	118.00	2223	161.00	646
38.00	29936	78.00	1273	119.00	2937	166.00	162
39.00	11010	79.00	16266	122.00	128	168.00	178
40.00	934	80.00	4521	123.00	146	168.00	222
41.00	231	81.00	18168	124.00	671	169.00	295
44.00	3739	82.00	3701	125.00	121	170.00	992
45.00	6483	83.00	494	126.00	164	171.00	1430
46.00	515	84.00	129	127.00	374	172.00	195
47.00	6212	85.00	137	128.00	1853	174.00	460160
48.00	3763	86.00	375	129.00	1192	175.00	37832
49.00	28312	87.00	23936	130.00	1889	176.00	448256
50.00	137152	88.00	21704	131.00	678	177.00	26912
51.00	39624	89.00	243	132.00	127	178.00	696
52.00	1400	90.00	148	133.00	149	181.00	176
55.00	1409	91.00	1883	135.00	854	188.00	164
56.00	10398	92.00	15435	136.00	155	191.00	234
57.00	18728	93.00	26560	137.00	869	198.00	136
58.00	989	94.00	73592	139.00	1104	199.00	143
59.00	489	95.00	595840	140.00	411	201.00	168
60.00	4424	96.00	36984	141.00	6942	204.00	126
61.00	28928	97.00	882	142.00	802	215.00	119
62.00	28784	99.00	264	143.00	6576	224.00	179
63.00	21816	101.00	143	144.00	760	226.00	152
64.00	3002	103.00	180	145.00	1094	228.00	265
65.00	184	104.00	2457	146.00	845	228.00	287
66.00	251	105.00	981	147.00	169	235.00	137
67.00	1199	106.00	1992	148.00	1507	244.00	206
68.00	59104	107.00	65	149.00	378	252.00	123
69.00	56744	108.00	136	150.00	369	270.00	144
70.00	4573	110.00	699	152.00	638	271.00	117
71.00	344	111.00	924	153.00	139	277.00	128

Report Date: 24-Nov-2020 07:11:35 Chrom Revision: 2.3 12-Nov-2020 21:52:08
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4633.D\S-8260.rslt\spectra.d
Injection Date: 24-Nov-2020 07:02:30
Spectrum: Tune Spec :Average 427-429(3.73-3.74) Bgrd 408(3.61)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 144

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	2307	112.00	956	154.00	742	278.00	200
73.00	26080	113.00	292	155.00	1806	292.00	292
74.00	99192	115.00	1151	156.00	425	300.00	118

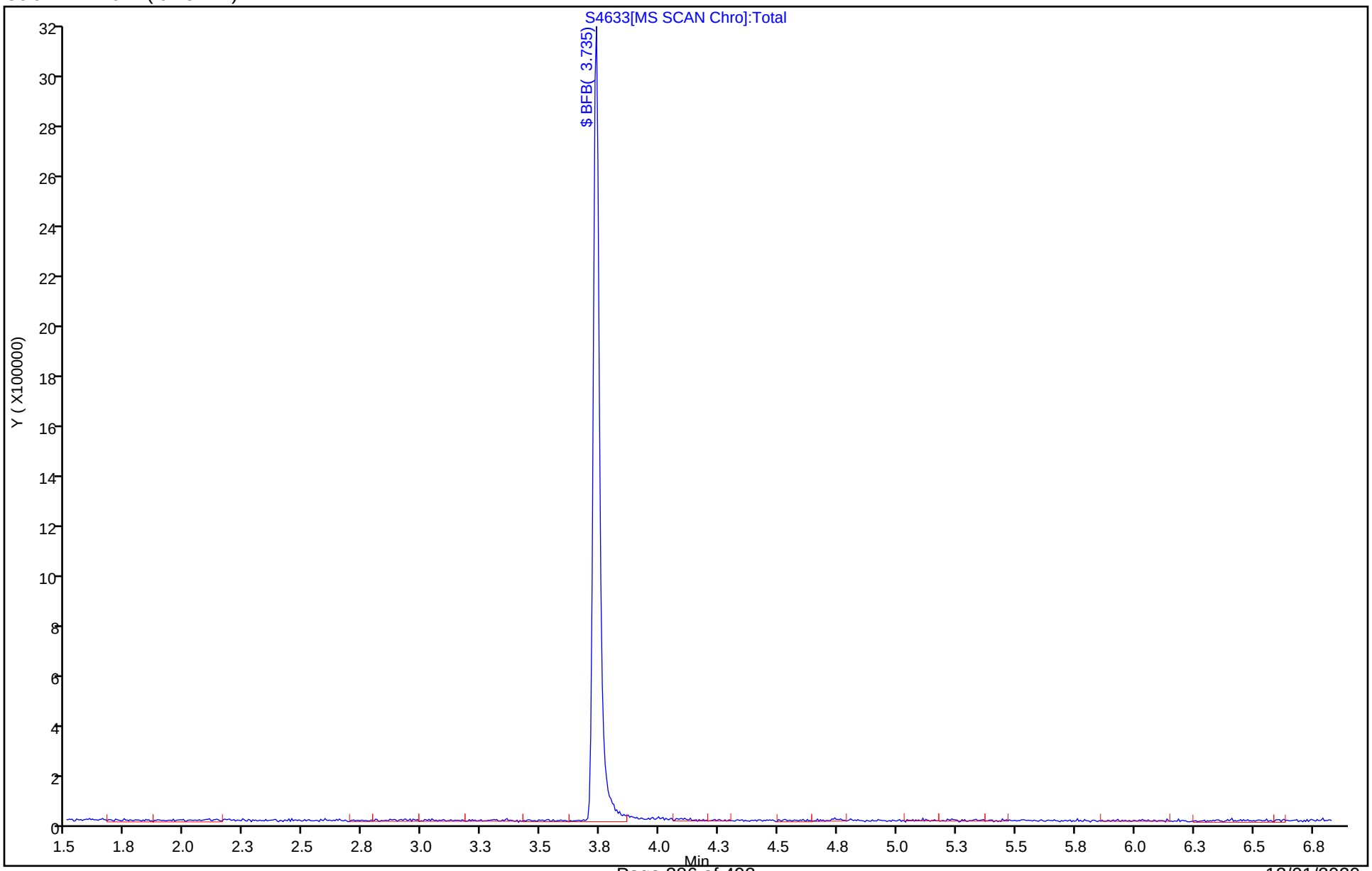
Report Date: 24-Nov-2020 07:11:35 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4633.D

Injection Date:	24-Nov-2020 07:02:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4689.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 25-Nov-2020 07:37:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0095243-002
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2020 07:47:22 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: moffata Date: 25-Nov-2020 07:47:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.735	3.735	0.000	0	1219150	NR	NR	Ma

QC Flag Legend

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

Reagents:

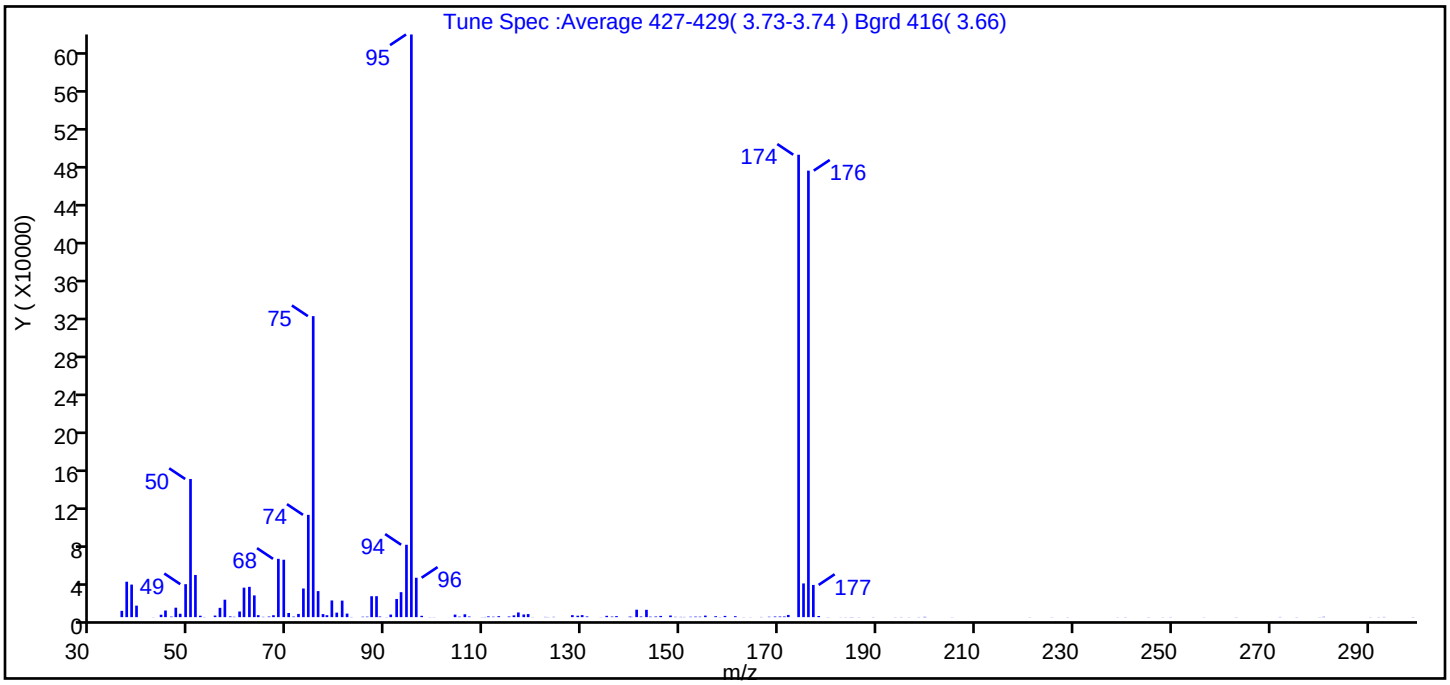
BFB_WRK_00113 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4689.D
Injection Date: 25-Nov-2020 07:37:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.7
75	30 to 60% of m/z 95	51.7
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.4
175	5 to 9% of m/z 174	5.8 (7.3)
176	Greater than 95% but less than 101% of m/z 174	76.6 (96.6)
177	5 to 9% of m/z 176	5.5 (7.2)

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4689.D\S-8260.rslt\spectra.d
Injection Date: 25-Nov-2020 07:37:30
Spectrum: Tune Spec :Average 427-429(3.73-3.74) Bgrd 416(3.66)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 152

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6655	77.00	3208	122.00	256	172.00	2325
37.00	37352	78.00	2040	123.00	164	174.00	487552
38.00	34328	79.00	17592	124.00	299	175.00	35544
39.00	12122	80.00	4757	128.00	2092	176.00	470784
40.00	26	81.00	17432	129.00	1494	177.00	33968
42.00	125	82.00	3765	130.00	2146	178.00	1194
44.00	2537	83.00	188	131.00	727	180.00	147
45.00	7006	85.00	449	134.00	122	183.00	118
46.00	587	86.00	509	135.00	1381	184.00	136
47.00	9965	87.00	22072	136.00	591	185.00	123
48.00	3566	88.00	22120	137.00	1102	185.00	141
49.00	34760	89.00	622	140.00	548	186.00	128
50.00	145664	90.00	133	140.00	333	189.00	167
51.00	44472	91.00	2713	141.00	7838	194.00	134
52.00	1494	92.00	19176	142.00	682	195.00	175
53.00	194	93.00	26328	143.00	7742	196.00	130
55.00	1670	94.00	76320	144.00	512	198.00	173
56.00	9791	95.00	614336	145.00	680	200.00	231
57.00	18384	96.00	41528	146.00	1314	200.00	238
58.00	754	97.00	1416	148.00	1710	205.00	121
59.00	373	99.00	142	149.00	334	221.00	131
60.00	5948	100.00	136	150.00	280	226.00	131
61.00	31080	103.00	46	151.00	222	229.00	136
62.00	31952	104.00	2679	152.00	423	239.00	121
63.00	22928	105.00	521	153.00	563	241.00	162
64.00	2092	106.00	3021	154.00	498	245.00	140
65.00	324	107.00	628	155.00	1598	248.00	124
66.00	640	110.00	123	157.00	994	250.00	176
67.00	2010	110.00	195	158.00	149	257.00	122
68.00	61488	111.00	813	159.00	1314	263.00	149
69.00	60528	112.00	457	161.00	1003	272.00	211
70.00	4394	113.00	1021	163.00	128	276.00	149
71.00	582	115.00	689	164.00	120	280.00	147

Report Date: 25-Nov-2020 07:47:23 Chrom Revision: 2.3 12-Nov-2020 21:52:08
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4689.D\S-8260.rslt\spectra.d
Injection Date: 25-Nov-2020 07:37:30
Spectrum: Tune Spec :Average 427-429(3.73-3.74) Bgrd 416(3.66)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 152

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	3402	116.00	1874	166.00	210	281.00	350
73.00	30200	117.00	4932	168.00	419	290.00	135
74.00	107864	118.00	2801	169.00	660	292.00	168
75.00	317376	119.00	3261	170.00	655	293.00	216
76.00	27456	120.00	119	171.00	687	299.00	158

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

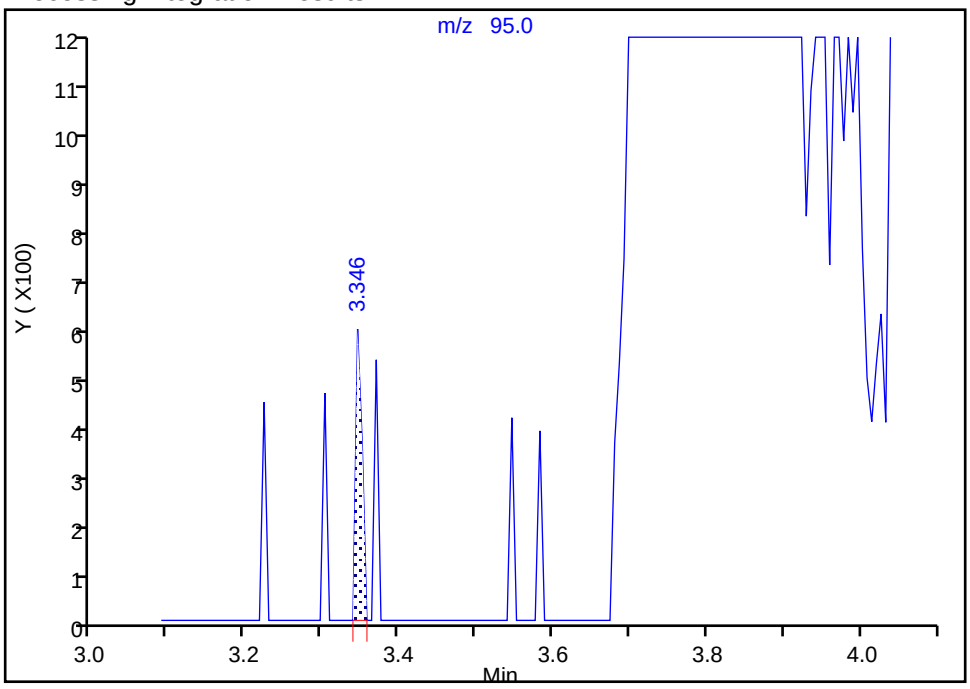
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4689.D
Injection Date: 25-Nov-2020 07:37:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

$ 61 BFB, CAS: 460-00-4

Signal: 1

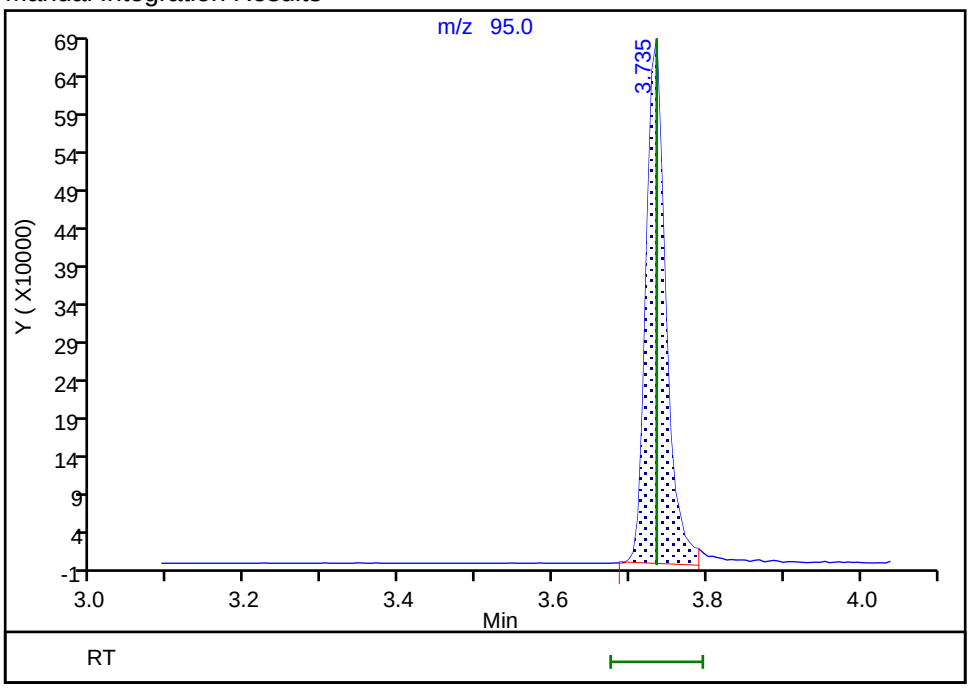
Processing Integration Results

RT: 3.35
Area: 339
Amount: 0
Amount Units: ug/L



Manual Integration Results

RT: 3.73
Area: 1219150
Amount: 0
Amount Units: ug/L



Reviewer: moffata, 25-Nov-2020 07:47:20
Audit Action: Manually Integrated Audit Reason: Poor chromatography

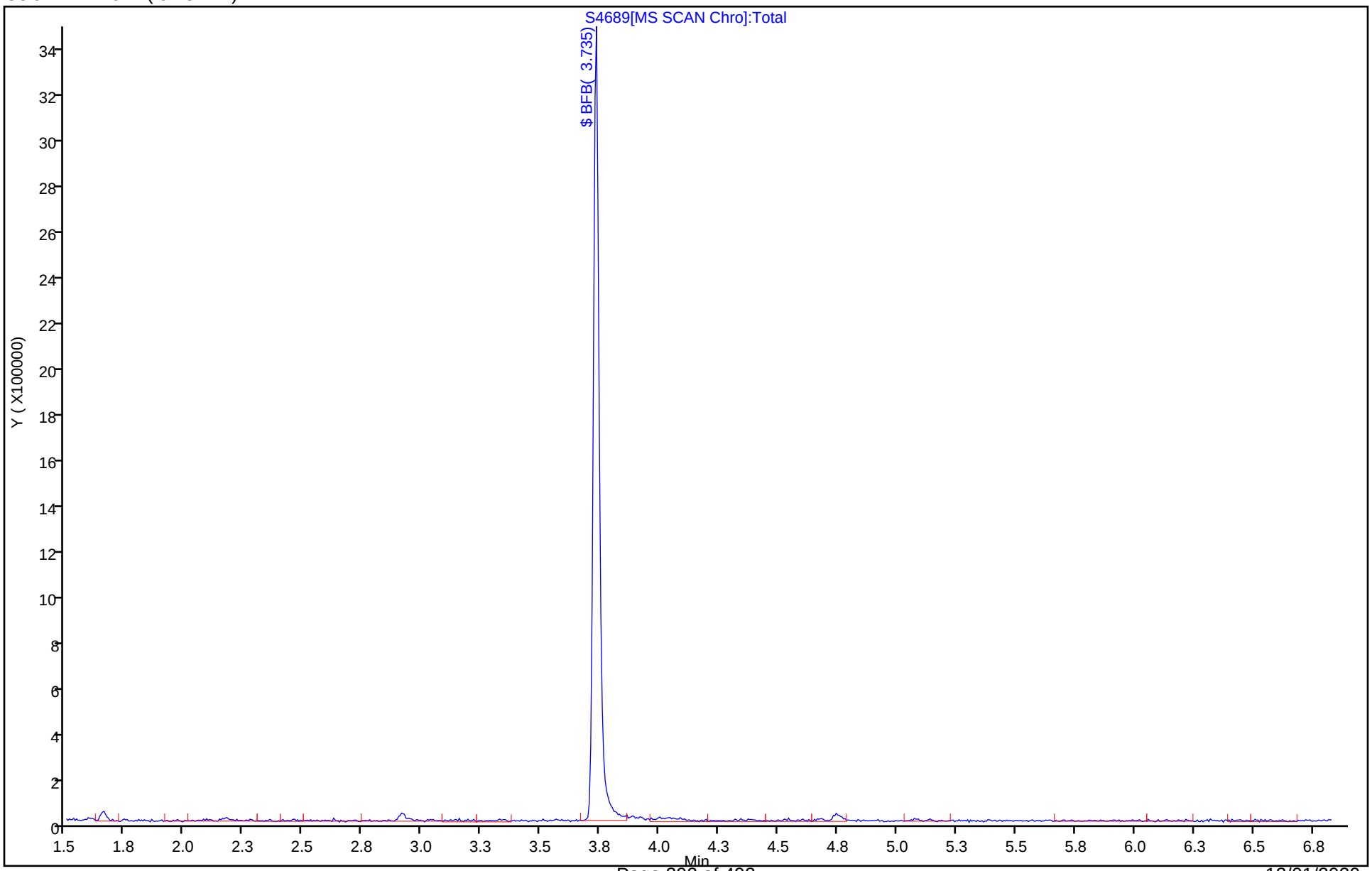
Report Date: 25-Nov-2020 07:47:23 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4689.D

Injection Date:	25-Nov-2020 07:37:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7401.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	10-Oct-2020 11:28:30	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	bfb				
Misc. Info.:	480-0094036-005				
Operator ID:	LH	Instrument ID:	HP5975T		
Method:	\\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	12-Oct-2020 11:25:01	Calib Date:	10-Oct-2020 20:11:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1651				
First Level Reviewer: HillL		Date:	10-Oct-2020 11:36:03		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	5.187	5.187	0.000	79	78724	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

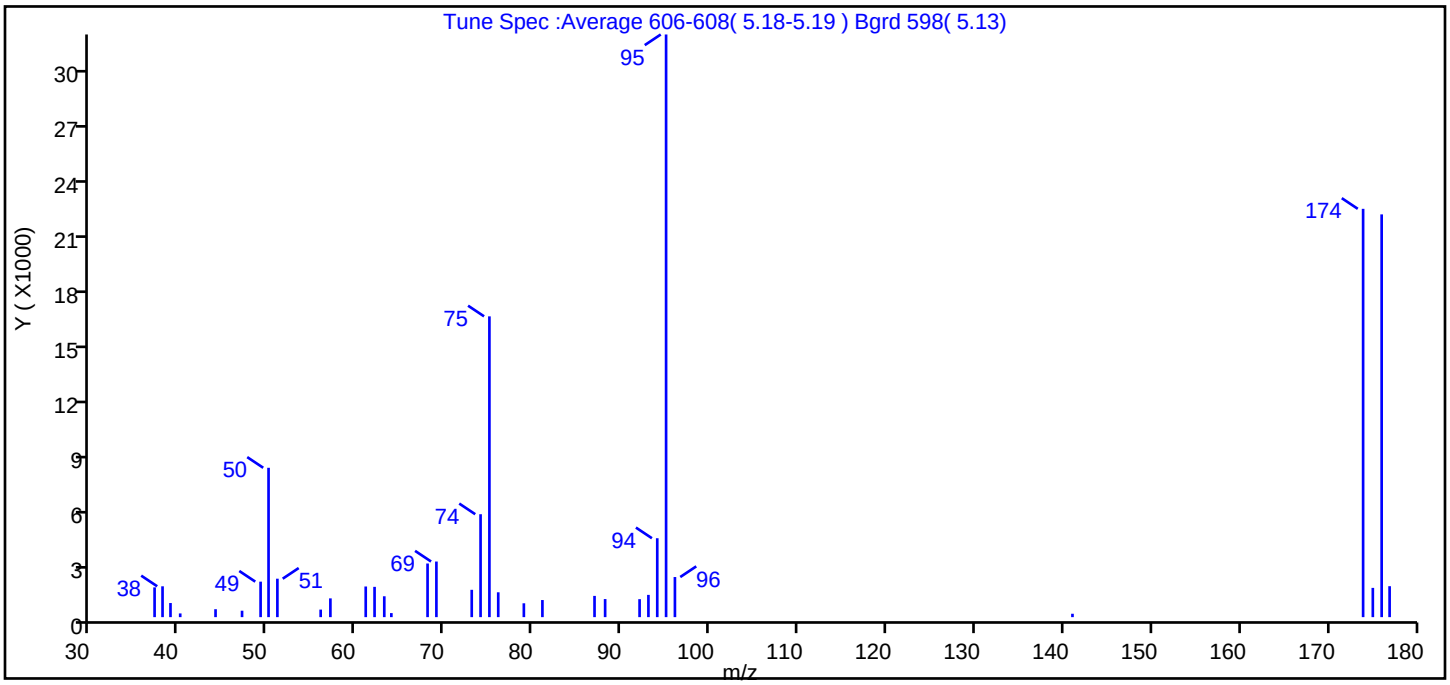
MV_BFB_STK_00073 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7401.D
Injection Date: 10-Oct-2020 11:28:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.6
75	30 to 60% of m/z 95	51.6
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	70.1
175	5 to 9% of m/z 174	5.0 (7.2)
176	Greater than 95% but less than 101% of m/z 174	69.1 (98.6)
177	5 to 9% of m/z 176	5.3 (7.7)

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7401.D\T-8260.rslt\spectra.d
Injection Date: 10-Oct-2020 11:28:30
Spectrum: Tune Spec :Average 606-608(5.18-5.19) Bgrd 598(5.13)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1587	56.00	402	74.00	5483	94.00	4204
38.00	1643	57.00	1000	75.00	16024	95.00	31040
39.00	752	61.00	1633	76.00	1324	96.00	2137
40.00	198	62.00	1614	79.00	738	141.00	181
44.00	423	63.00	1112	81.00	911	174.00	21752
47.00	343	64.00	216	87.00	1132	175.00	1559
49.00	1891	68.00	2858	88.00	963	176.00	21456
50.00	7957	69.00	2963	92.00	958	177.00	1649
51.00	2048	73.00	1456	93.00	1186		

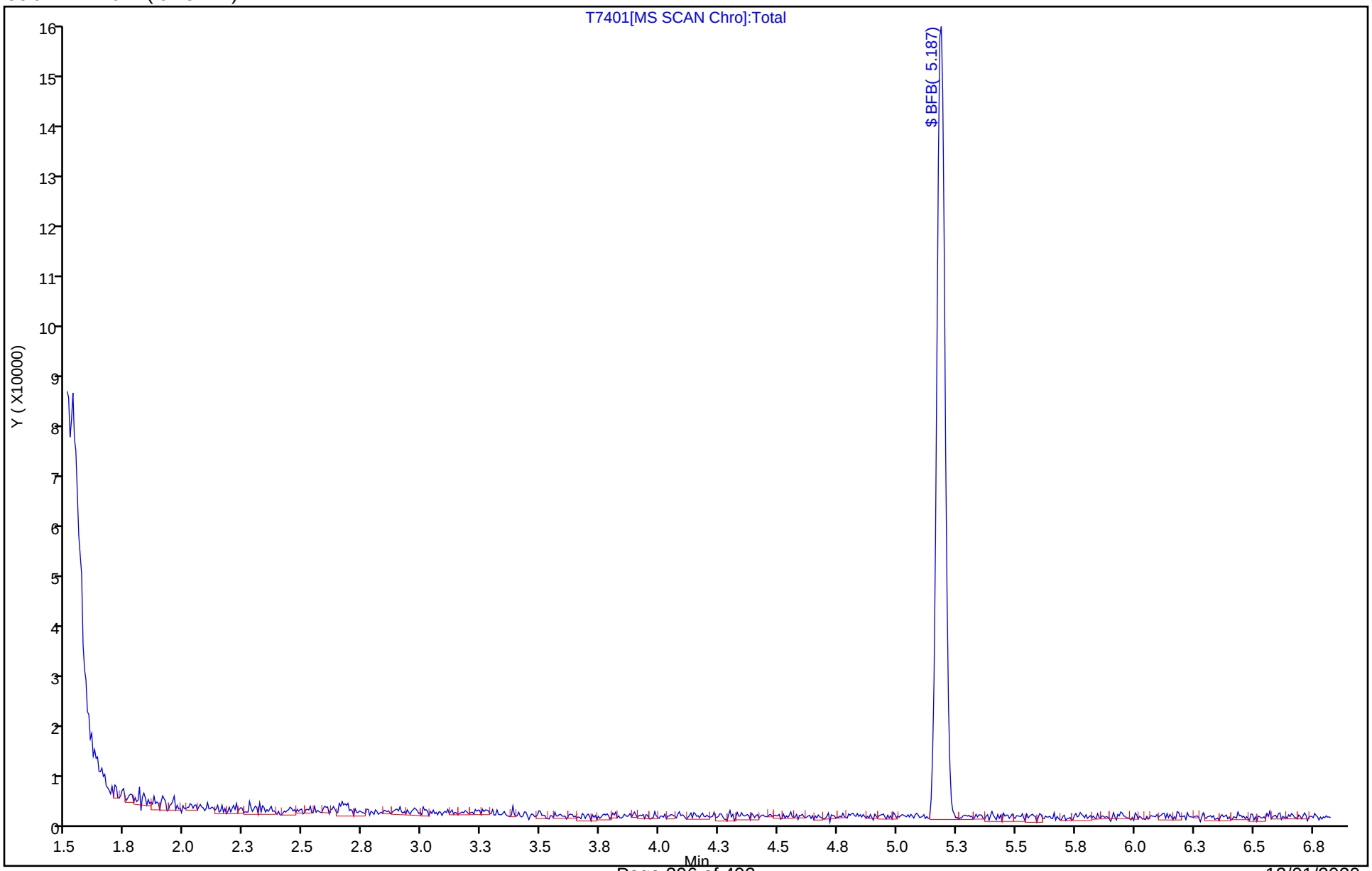
Report Date: 12-Oct-2020 11:25:01 Chrom Revision: 2.3 24-Sep-2020 19:22:38

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7401.D

Injection Date:	10-Oct-2020 11:28:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9265.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	25-Nov-2020 10:21:30	ALS Bottle#:	22	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0095257-002				
Operator ID:	LH	Instrument ID:	HP5975T		
Method:	\\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	25-Nov-2020 11:59:06	Calib Date:	10-Oct-2020 20:11:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1664				
First Level Reviewer: HillL		Date:	25-Nov-2020 11:59:06		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	5.175	5.175	0.000	84	223384	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

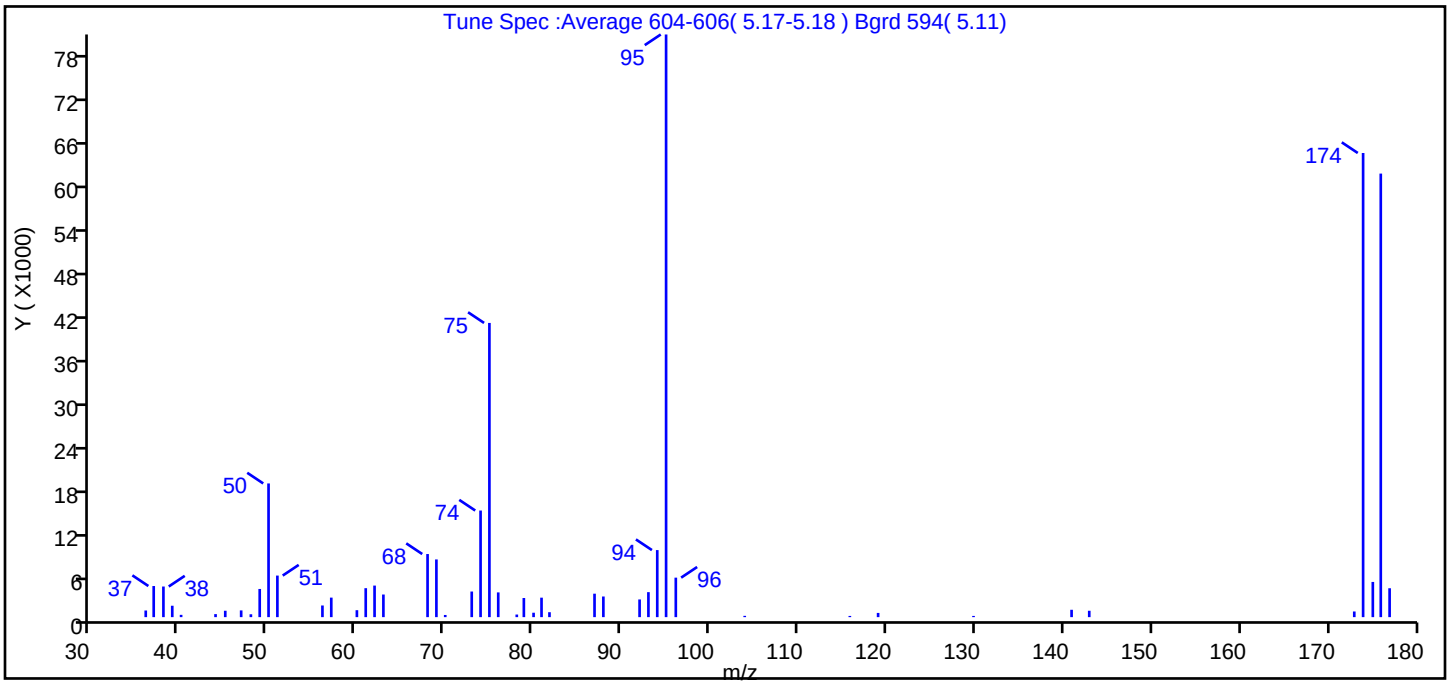
BFB_WRK_00112 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9265.D
Injection Date: 25-Nov-2020 10:21:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 22 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.9
75	30 to 60% of m/z 95	50.5
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	1.0 (1.2)
174	50 to 120% of m/z 95	79.7
175	5 to 9% of m/z 174	6.0 (7.6)
176	Greater than 95% but less than 101% of m/z 174	76.1 (95.6)
177	5 to 9% of m/z 176	5.0 (6.5)

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9265.D\T-8260.rslt\spectra.d
Injection Date: 25-Nov-2020 10:21:30
Spectrum: Tune Spec :Average 604-606(5.17-5.18) Bgrd 594(5.11)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	914	56.00	1604	76.00	3404	96.00	5432
37.00	4281	57.00	2687	78.00	358	104.00	178
38.00	4213	60.00	956	79.00	2632	116.00	167
39.00	1569	61.00	3985	80.00	608	119.00	580
40.00	317	62.00	4342	81.00	2680	130.00	167
44.00	418	63.00	3113	82.00	679	141.00	1013
45.00	879	68.00	8682	87.00	3227	143.00	878
47.00	927	69.00	7939	88.00	2841	173.00	779
48.00	396	70.00	299	92.00	2435	174.00	63848
49.00	3876	73.00	3524	93.00	3438	175.00	4842
50.00	18392	74.00	14665	94.00	9225	176.00	61016
51.00	5719	75.00	40472	95.00	80152	177.00	3975

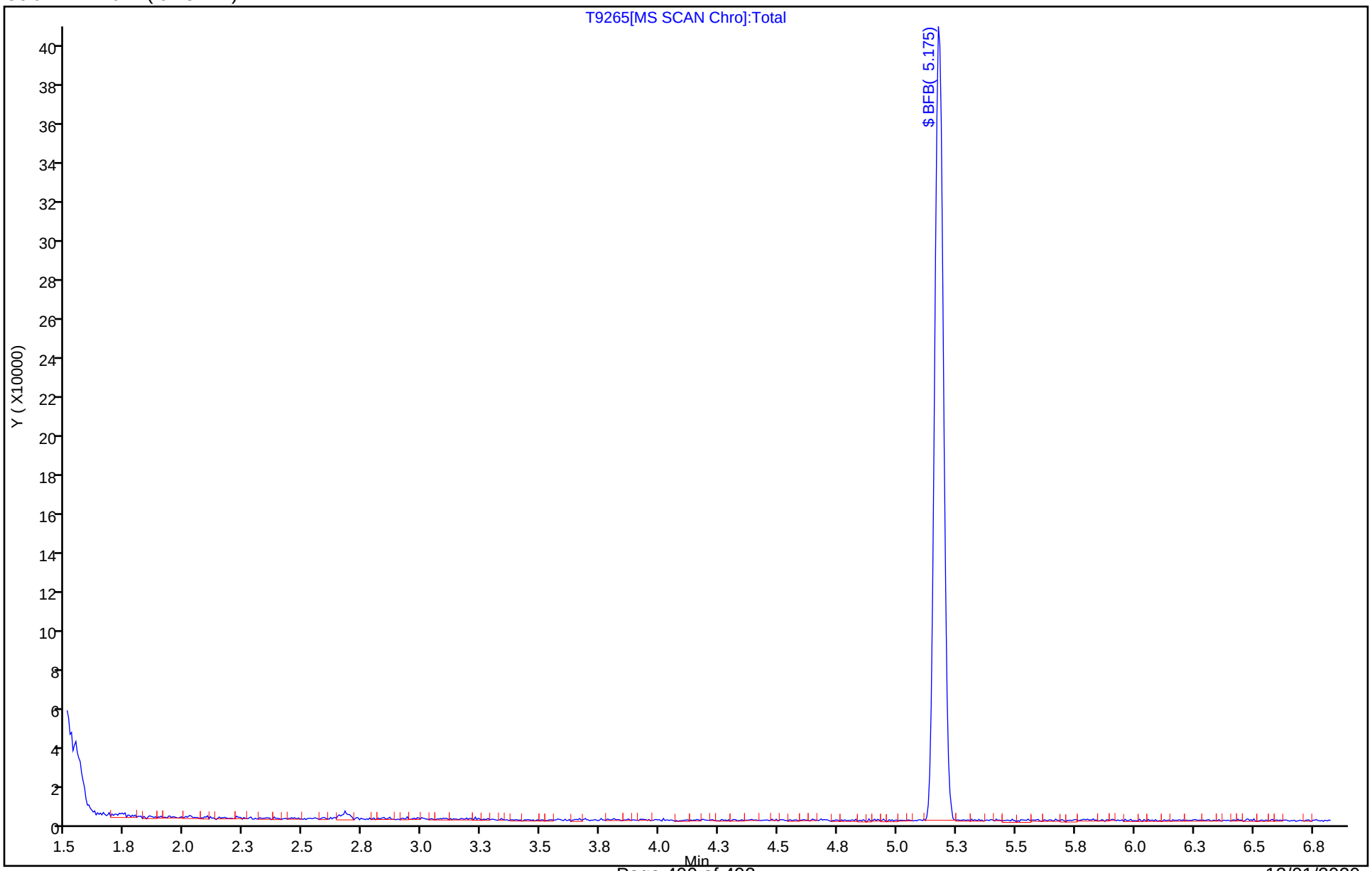
Report Date: 25-Nov-2020 11:59:07 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9265.D

Injection Date:	25-Nov-2020 10:21:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-560615/7

Matrix: Water Lab File ID: S4638.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 09:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560615 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-560615/7

Matrix: Water Lab File ID: S4638.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 09:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560615 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4638.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-Nov-2020 09:00:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0095204-007
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2020 09:31:25 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: moffata Date: 24-Nov-2020 09:31:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.345	0.001	99	152625	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.333	8.332	0.001	89	320841	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.730	10.729	0.001	96	313356	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.774	0.000	62	195436	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.072	0.006	95	138970	25.0	26.7	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	95	777213	25.0	24.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	86	235156	25.0	24.1	
11 Chlorodifluoromethane	51		1.223					ND	
10 Dichlorodifluoromethane	85		1.227					ND	
12 Chloromethane	50		1.409					ND	
13 Vinyl chloride	62		1.488					ND	
151 Butadiene	54		1.495					ND	
14 Bromomethane	94		1.787					ND	
15 Chloroethane	64		1.860					ND	
16 Dichlorofluoromethane	67		2.085					ND	
17 Trichlorofluoromethane	101		2.085					ND	
18 Ethyl ether	59		2.358					ND	
148 Ethanol	45		2.377					ND	
19 Propene oxide	58		2.450					ND	
20 Acrolein	56		2.541					ND	
22 1,1-Dichloroethene	96		2.577					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.577					ND	
23 Acetone	43		2.705					ND	
25 Iodomethane	142		2.736					ND	
26 Carbon disulfide	76		2.766					ND	U
24 Isopropyl alcohol	45		2.894					ND	
28 3-Chloro-1-propene	41		2.949					ND	
27 Methyl acetate	43		2.997					ND	
29 Acetonitrile	40		3.035					ND	
30 Methylene Chloride	84		3.095					ND	U
31 2-Methyl-2-propanol	59		3.277					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.301					ND	
34 trans-1,2-Dichloroethene	96		3.320					ND	
33 Acrylonitrile	53		3.387					ND	
35 Hexane	57		3.508					ND	
36 Isopropyl ether	45		3.729					ND	
39 1,1-Dichloroethane	63		3.739					ND	
37 Vinyl acetate	43		3.794					ND	
40 2-Chloro-1,3-butadiene	53		3.800					ND	
139 Halothane	117		3.822					ND	
38 1,1-Dimethoxyethane	75		3.831					ND	
41 Tert-butyl ethyl ether	59		4.092					ND	
44 2,2-Dichloropropane	77		4.263					ND	
45 cis-1,2-Dichloroethene	96		4.299					ND	
43 2-Butanone (MEK)	43		4.336					ND	
42 Ethyl acetate	43		4.366					ND	
46 Propionitrile	54		4.392					ND	
48 Chlorobromomethane	128		4.530					ND	
47 Methacrylonitrile	41		4.548					ND	
49 Tetrahydrofuran	42		4.548					ND	
50 Chloroform	83		4.615					ND	U
51 1,1,1-Trichloroethane	97		4.719					ND	
52 Cyclohexane	56		4.719					ND	
55 Carbon tetrachloride	117		4.853					ND	
54 1,1-Dichloropropene	75		4.871					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.877					ND	
152 Isooctane	57		5.066					ND	
57 Benzene	78		5.072					ND	
53 Isobutyl alcohol	43		5.102					ND	
58 1,2-Dichloroethane	62		5.145					ND	
56 Tert-amyl methyl ether	73		5.151					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
147 t-Amyl alcohol	59		5.157					ND	
59 n-Heptane	43		5.254					ND	
1 1,4-Difluorobenzene	114		5.461					ND	
62 Trichloroethene	95		5.686					ND	
60 n-Butanol	56		5.723					ND	
64 Methylcyclohexane	83		5.796					ND	
142 Ethyl acrylate	55		5.814					ND	
65 1,2-Dichloropropane	63		5.929					ND	
63 Methyl methacrylate	41		6.033					ND	
67 Dibromomethane	93		6.063					ND	
66 1,4-Dioxane	88		6.075					ND	
68 Dichlorobromomethane	83		6.221					ND	
70 2-Nitropropane	43		6.477					ND	U
69 2-Chloroethyl vinyl ether	63		6.501					ND	
71 Epichlorohydrin	57		6.599					ND	
72 cis-1,3-Dichloropropene	75		6.635					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.781					ND	
74 Toluene	92		6.921					ND	
76 2-Methylthiophene	97		7.055					ND	
77 trans-1,3-Dichloropropene	75		7.207					ND	
78 3-Methylthiophene	97		7.219					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.250					ND	
79 1,1,2-Trichloroethane	83		7.396					ND	
81 Tetrachloroethene	166		7.444					ND	
82 1,3-Dichloropropane	76		7.554					ND	
80 2-Hexanone	43		7.621					ND	
155 n-Butyl acetate	43		7.730					ND	
83 Chlorodibromomethane	129		7.791					ND	
84 Ethylene Dibromide	107		7.894					ND	
146 1-Chlorohexane	55	8.333	8.314	0.019	8	6918		-0.0220	7
85 3-Chlorobenzotrifluoride	180		8.339					ND	
87 Chlorobenzene	112		8.363					ND	
86 4-Chlorobenzotrifluoride	180		8.399					ND	
88 Ethylbenzene	91		8.454					ND	
89 1,1,1,2-Tetrachloroethane	131		8.466					ND	
90 m-Xylene & p-Xylene	106		8.582					ND	
91 o-Xylene	106		9.002					ND	
92 Styrene	104		9.038					ND	
95 Bromoform	173		9.288					ND	
93 2-Chlorobenzotrifluoride	180		9.318					ND	
94 Isopropylbenzene	105		9.391					ND	
96 Cyclohexanone	55		9.567					ND	
101 Bromobenzene	156		9.738					ND	
97 1,1,2,2-Tetrachloroethane	83		9.805					ND	
99 N-Propylbenzene	91		9.823					ND	
100 1,2,3-Trichloropropane	110		9.835					ND	
98 trans-1,4-Dichloro-2-butene	53		9.853					ND	
103 2-Chlorotoluene	126		9.926					ND	
104 3-Chlorotoluene	126		9.987					ND	
102 1,3,5-Trimethylbenzene	105		9.999					ND	
105 4-Chlorotoluene	126		10.036					ND	
106 tert-Butylbenzene	134		10.316					ND	
107 1,2,4-Trimethylbenzene	105		10.370					ND	
108 Pentachloroethane	167		10.377					ND	
109 sec-Butylbenzene	105		10.529					ND	
111 1,3-Dichlorobenzene	146		10.662					ND	
110 4-Isopropyltoluene	119		10.669					ND	
114 Dicyclopentadiene	66		10.729					ND	
113 1,4-Dichlorobenzene	146		10.754					ND	U
112 1,2,3-Trimethylbenzene	105		10.778					ND	
150 Benzyl chloride	126		10.906					ND	
115 n-Butylbenzene	91		11.058					ND	U
116 1,2-Dichlorobenzene	146		11.107					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837					ND	
118 1,3,5-Trichlorobenzene	180		11.964					ND	
119 1,2,4-Trichlorobenzene	180		12.506					ND	
120 Hexachlorobutadiene	225		12.615					ND	
121 Naphthalene	128		12.725					ND	
122 1,2,3-Trichlorobenzene	180		12.926					ND	
149 2-Methylnaphthalene	142		13.631					ND	U
134 Pentachloroethane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
144 1-Bromopropane TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00341	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00375	Amount Added:	1.00	Units: uL	Run Reagent

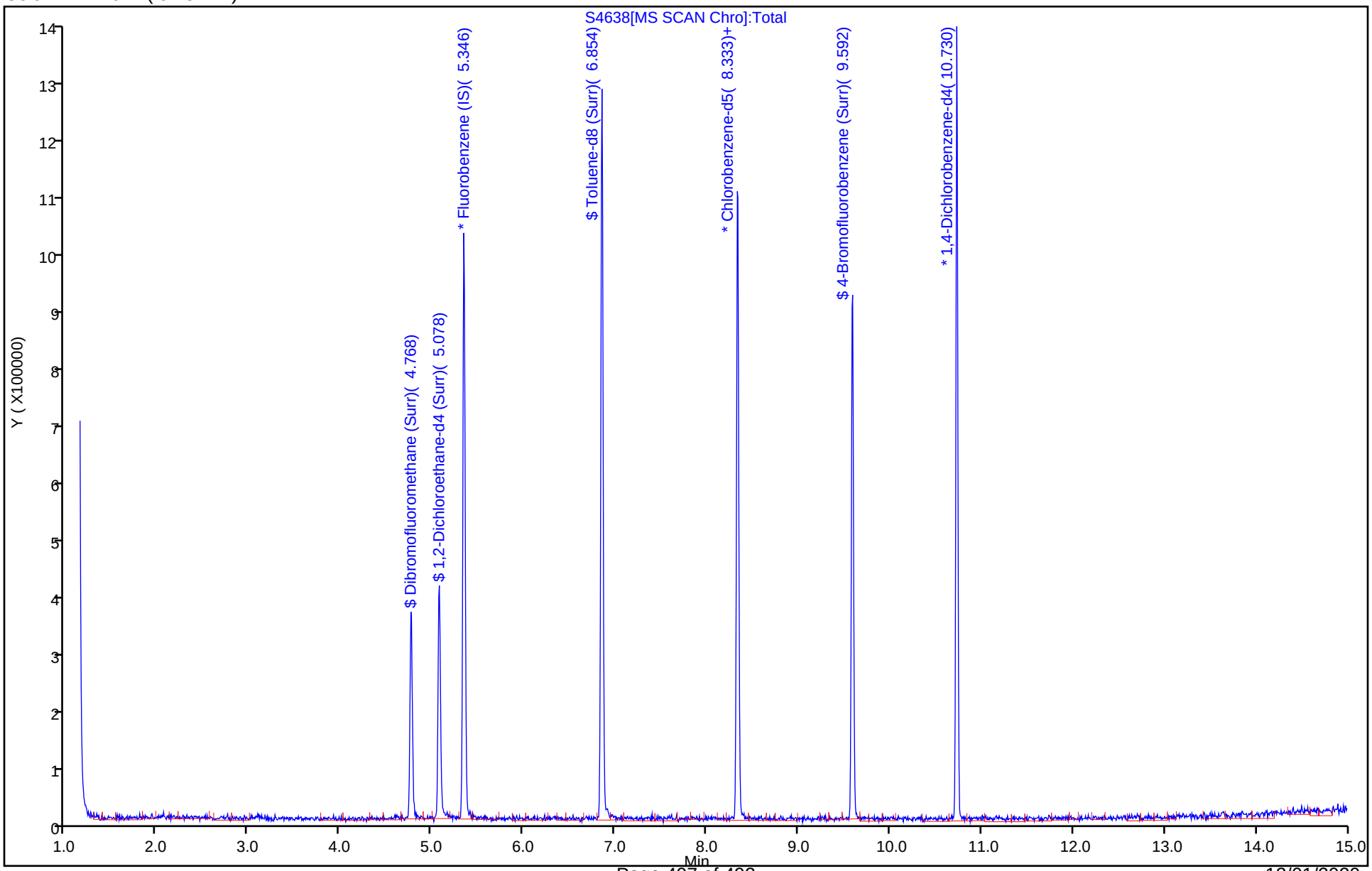
Report Date: 24-Nov-2020 09:31:25 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4638.D

Injection Date:	24-Nov-2020 09:00:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



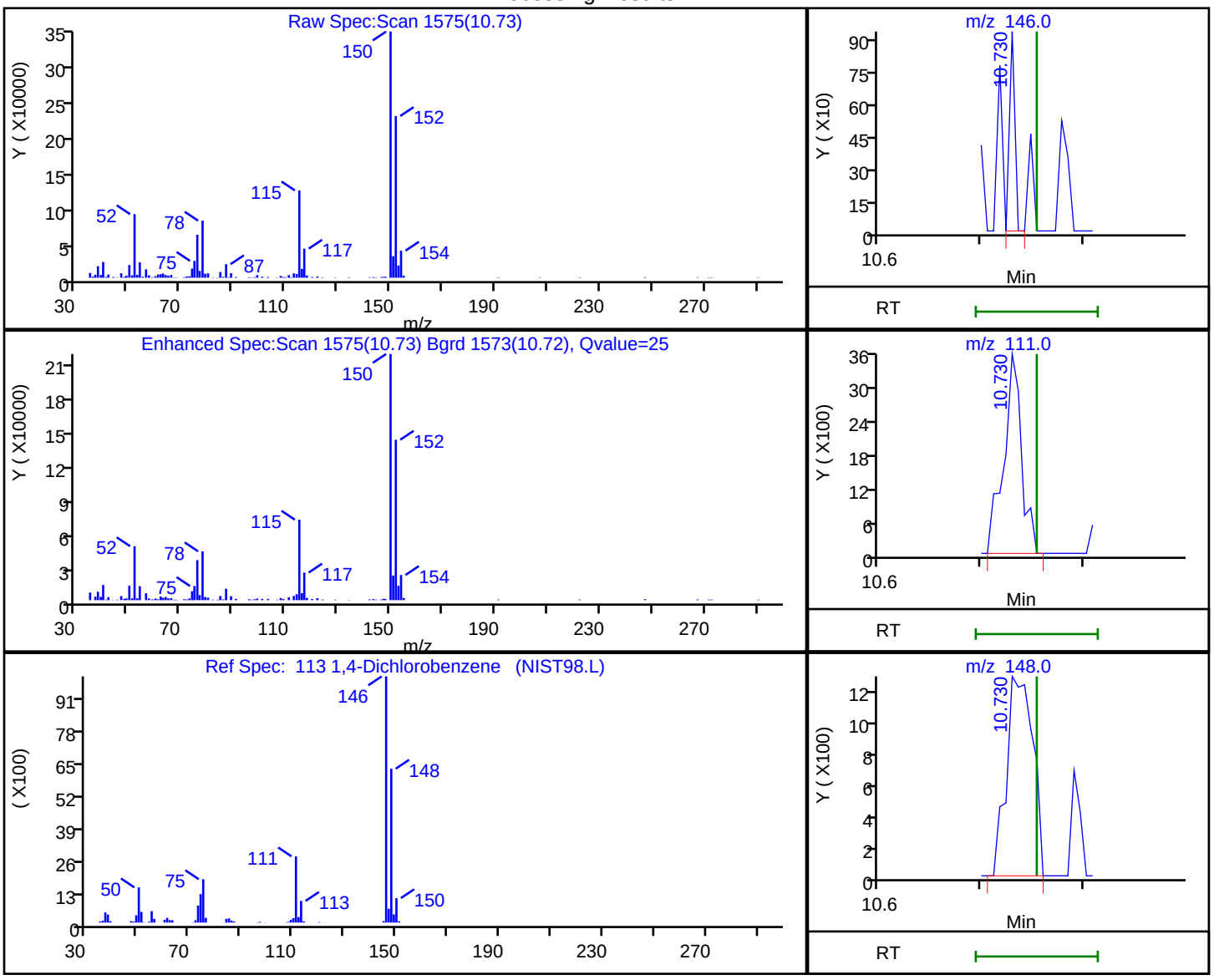
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4638.D
Injection Date: 24-Nov-2020 09:00:30 Instrument ID: HP5973S
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
10.73	146.00	342	0.013899
10.73	111.00	4339	
10.73	148.00	2305	

Reviewer: moffata, 24-Nov-2020 09:30:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

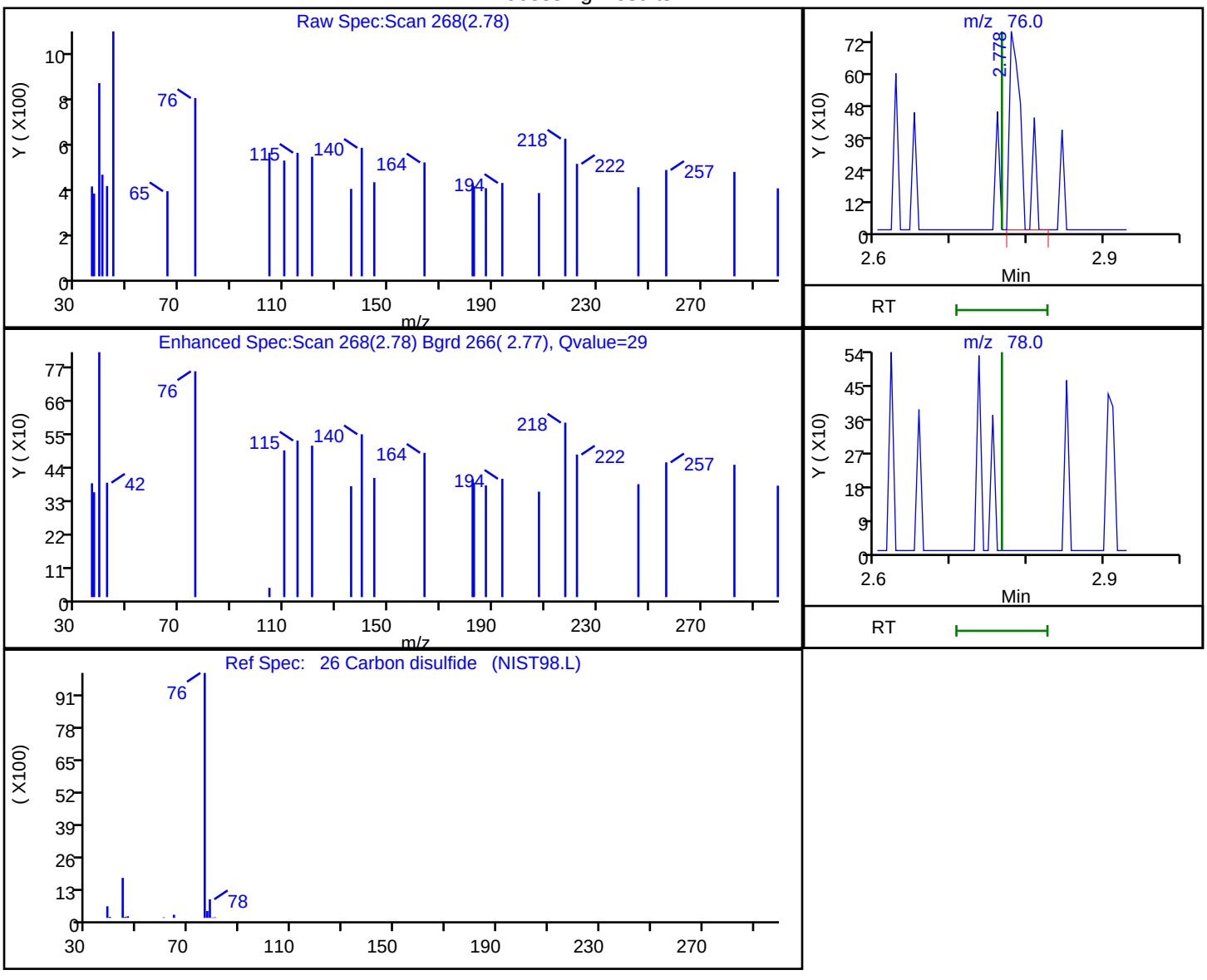
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4638.D
Injection Date: 24-Nov-2020 09:00:30 Instrument ID: HP5973S
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.78	76.00	842	0.032748
2.77	78.00	0	

Reviewer: moffata, 24-Nov-2020 09:30:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

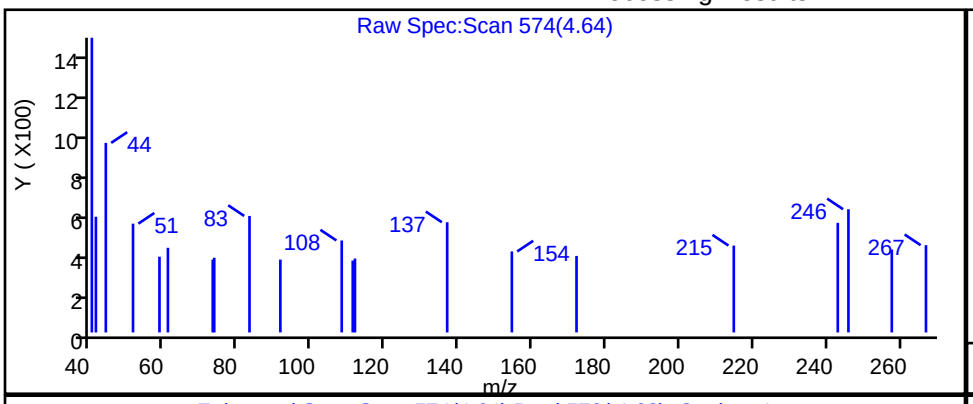
User Disabled Compound Report

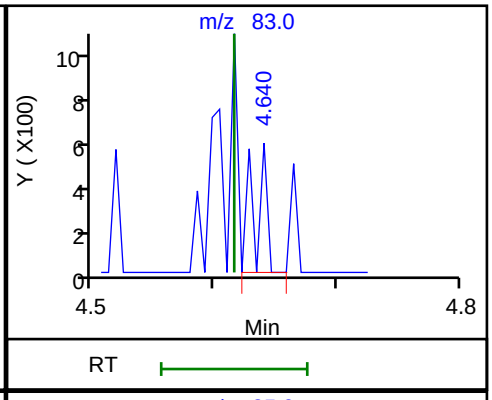
Eurofins TestAmerica, Buffalo

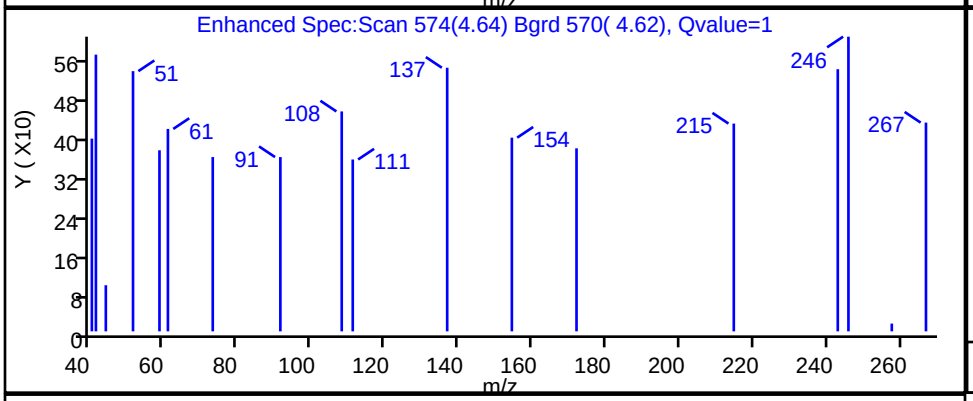
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4638.D
Injection Date: 24-Nov-2020 09:00:30 Instrument ID: HP5973S
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

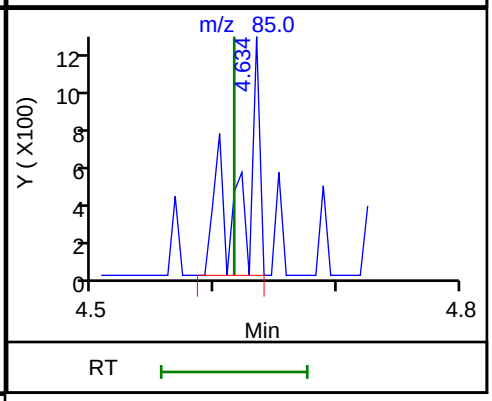
50 Chloroform, CAS: 67-66-3

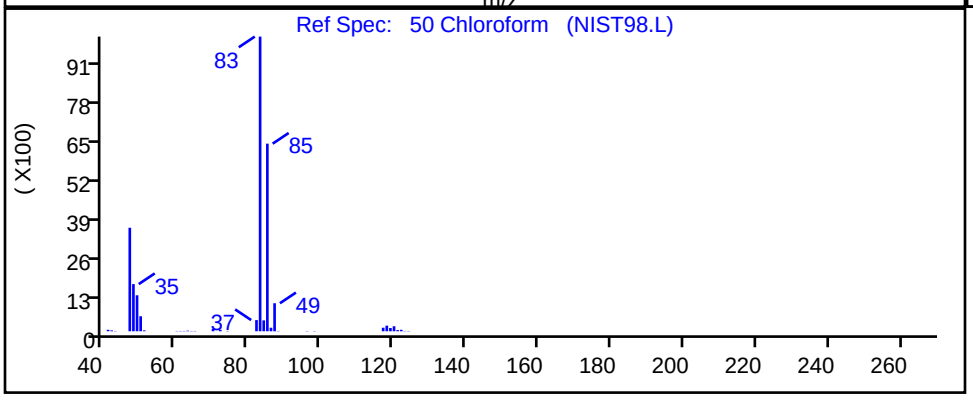
Processing Results











RT	Mass	Response	Amount
4.64	83.00	410	0.022332
4.63	85.00	1259	

Reviewer: moffata, 24-Nov-2020 09:30:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

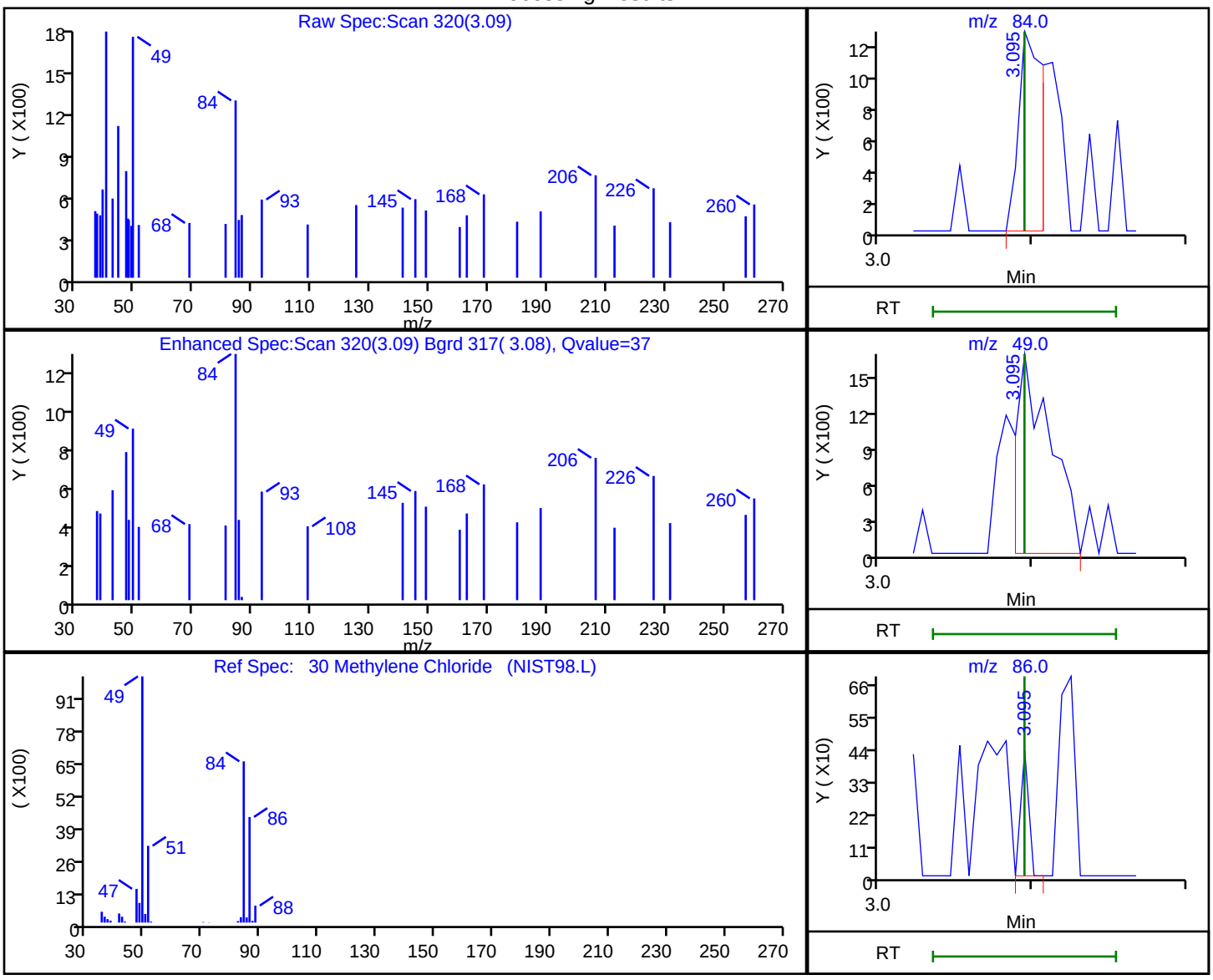
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4638.D
Injection Date: 24-Nov-2020 09:00:30 Instrument ID: HP5973S
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.09	84.00	1351	-0.650491
3.09	49.00	2603	
3.09	86.00	158	

Reviewer: moffata, 24-Nov-2020 09:30:38
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-560826/7

Matrix: Water Lab File ID: S4694.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 09:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-560826/7

Matrix: Water Lab File ID: S4694.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 09:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
2037-26-5	Toluene-d8 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4694.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Nov-2020 09:35:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0095243-007
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2020 10:12:24 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: moffata Date: 25-Nov-2020 10:12:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.345	0.001	98	146295	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.333	0.006	86	308911	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.729	10.729	0.000	97	299947	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.774	4.768	0.006	58	198536	25.0	26.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.078	0.000	98	134073	25.0	26.8	
$ 5 Toluene-d8 (Surr)	98	6.854	6.859	0.000	95	782172	25.0	25.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.599	0.000	87	229316	25.0	24.4	
11 Chlorodifluoromethane	51		1.223					ND	
10 Dichlorodifluoromethane	85		1.227					ND	
12 Chloromethane	50		1.403					ND	U
13 Vinyl chloride	62		1.495					ND	
151 Butadiene	54		1.495					ND	
14 Bromomethane	94		1.781					ND	
15 Chloroethane	64		1.866					ND	
16 Dichlorofluoromethane	67		2.085					ND	
17 Trichlorofluoromethane	101		2.085					ND	
18 Ethyl ether	59		2.365					ND	
148 Ethanol	45		2.377					ND	U
19 Propene oxide	58		2.450					ND	
20 Acrolein	56		2.547					ND	
22 1,1-Dichloroethene	96		2.571					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.571					ND	
23 Acetone	43		2.705					ND	
25 Iodomethane	142		2.736					ND	
26 Carbon disulfide	76		2.766					ND	U
24 Isopropyl alcohol	45		2.894					ND	
28 3-Chloro-1-propene	41		2.949					ND	U
27 Methyl acetate	43		2.997					ND	
29 Acetonitrile	40		3.035					ND	U
30 Methylene Chloride	84		3.095					ND	U
31 2-Methyl-2-propanol	59		3.277					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.307					ND	
34 trans-1,2-Dichloroethene	96		3.320					ND	
33 Acrylonitrile	53		3.387					ND	
35 Hexane	57		3.514					ND	
36 Isopropyl ether	45		3.729					ND	
39 1,1-Dichloroethane	63		3.746					ND	
40 2-Chloro-1,3-butadiene	53		3.800					ND	
37 Vinyl acetate	43		3.800					ND	
139 Halothane	117		3.822					ND	
38 1,1-Dimethoxyethane	75		3.831					ND	
41 Tert-butyl ethyl ether	59		4.092					ND	
44 2,2-Dichloropropane	77		4.257					ND	
45 cis-1,2-Dichloroethene	96		4.299					ND	
43 2-Butanone (MEK)	43		4.336					ND	
42 Ethyl acetate	43		4.366					ND	U
46 Propionitrile	54		4.392					ND	
48 Chlorobromomethane	128		4.536					ND	
47 Methacrylonitrile	41		4.548					ND	
49 Tetrahydrofuran	42		4.549					ND	
50 Chloroform	83		4.609					ND	
51 1,1,1-Trichloroethane	97		4.719					ND	
52 Cyclohexane	56		4.719					ND	
55 Carbon tetrachloride	117		4.853					ND	
54 1,1-Dichloropropene	75		4.871					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.877					ND	
152 Isooctane	57		5.066					ND	
57 Benzene	78		5.072					ND	
53 Isobutyl alcohol	43		5.102					ND	
56 Tert-amyl methyl ether	73		5.151					ND	
58 1,2-Dichloroethane	62		5.151					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
147 t-Amyl alcohol	59		5.157					ND	
59 n-Heptane	43		5.254					ND	
1 1,4-Difluorobenzene	114		5.461					ND	
62 Trichloroethene	95		5.680					ND	
60 n-Butanol	56		5.723					ND	
64 Methylcyclohexane	83		5.802					ND	
142 Ethyl acrylate	55		5.814					ND	
65 1,2-Dichloropropane	63		5.923					ND	
63 Methyl methacrylate	41		6.033					ND	
67 Dibromomethane	93		6.063					ND	
66 1,4-Dioxane	88		6.076					ND	
68 Dichlorobromomethane	83		6.222					ND	
70 2-Nitropropane	43		6.477					ND	U
69 2-Chloroethyl vinyl ether	63		6.501					ND	
71 Epichlorohydrin	57		6.599					ND	
72 cis-1,3-Dichloropropene	75		6.635					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.781					ND	
74 Toluene	92		6.921					ND	
76 2-Methylthiophene	97		7.055					ND	
77 trans-1,3-Dichloropropene	75		7.207					ND	
78 3-Methylthiophene	97		7.219					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.250					ND	
79 1,1,2-Trichloroethane	83		7.396					ND	
81 Tetrachloroethene	166		7.444					ND	
82 1,3-Dichloropropane	76		7.554					ND	
80 2-Hexanone	43		7.621					ND	
155 n-Butyl acetate	43		7.730					ND	
83 Chlorodibromomethane	129		7.791					ND	
84 Ethylene Dibromide	107		7.888					ND	
146 1-Chlorohexane	55		8.314					ND	U
85 3-Chlorobenzotrifluoride	180		8.339					ND	
87 Chlorobenzene	112		8.363					ND	
86 4-Chlorobenzotrifluoride	180		8.399					ND	
88 Ethylbenzene	91		8.454					ND	
89 1,1,1,2-Tetrachloroethane	131		8.460					ND	
90 m-Xylene & p-Xylene	106		8.582					ND	
91 o-Xylene	106		9.002					ND	
92 Styrene	104		9.032					ND	
95 Bromoform	173		9.288					ND	
93 2-Chlorobenzotrifluoride	180		9.318					ND	
94 Isopropylbenzene	105		9.391					ND	
96 Cyclohexanone	55		9.567					ND	U
101 Bromobenzene	156		9.738					ND	
97 1,1,2,2-Tetrachloroethane	83		9.799					ND	
99 N-Propylbenzene	91		9.817					ND	
100 1,2,3-Trichloropropane	110		9.829					ND	
98 trans-1,4-Dichloro-2-butene	53		9.847					ND	U
103 2-Chlorotoluene	126		9.926					ND	
104 3-Chlorotoluene	126		9.987					ND	
102 1,3,5-Trimethylbenzene	105		9.999					ND	
105 4-Chlorotoluene	126		10.036					ND	
106 tert-Butylbenzene	134		10.316					ND	
107 1,2,4-Trimethylbenzene	105		10.371					ND	
108 Pentachloroethane	167		10.377					ND	
109 sec-Butylbenzene	105		10.529					ND	
111 1,3-Dichlorobenzene	146		10.663					ND	
110 4-Isopropyltoluene	119		10.669					ND	
114 Dicyclopentadiene	66		10.729					ND	
113 1,4-Dichlorobenzene	146		10.754					ND	U
112 1,2,3-Trimethylbenzene	105		10.778					ND	
150 Benzyl chloride	126		10.906					ND	
115 n-Butylbenzene	91		11.058					ND	
116 1,2-Dichlorobenzene	146		11.107					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.837					ND	
118 1,3,5-Trichlorobenzene	180		11.964					ND	
119 1,2,4-Trichlorobenzene	180		12.506					ND	
120 Hexachlorobutadiene	225		12.615					ND	
121 Naphthalene	128		12.725					ND	
122 1,2,3-Trichlorobenzene	180		12.926					ND	
149 2-Methylnaphthalene	142		13.631					ND	U
134 Pentachloroethane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
144 1-Bromopropane TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00341	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00375	Amount Added:	1.00	Units: uL	Run Reagent

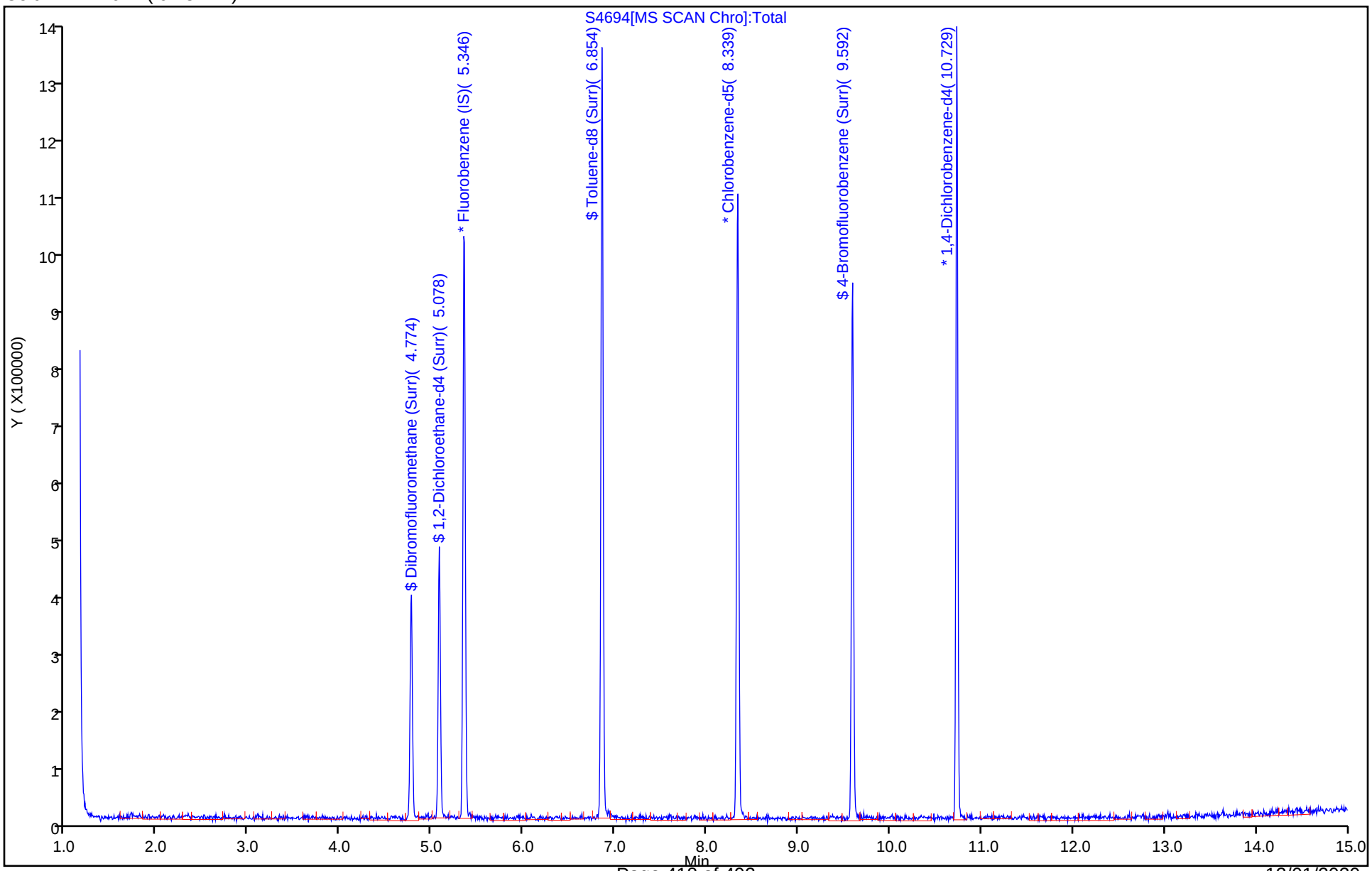
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4694.D

Injection Date:	25-Nov-2020 09:35:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



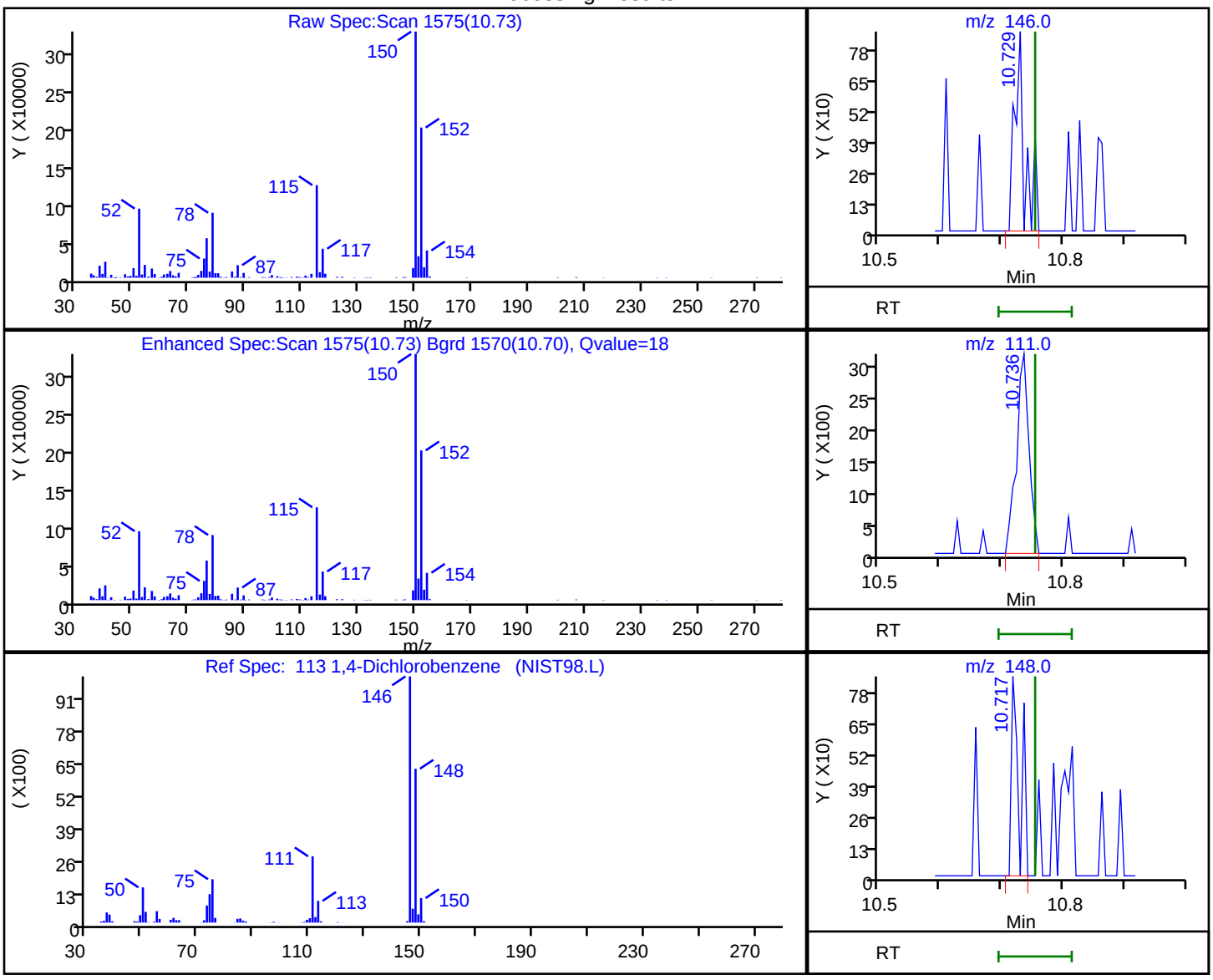
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4694.D				
Injection Date:	25-Nov-2020 09:35:30	Instrument ID:	HP5973S		
Lims ID:	MB				
Client ID:					
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
10.73	146.00	954	0.040503
10.74	111.00	4545	
10.72	148.00	791	

Reviewer: moffata, 25-Nov-2020 10:12:12

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

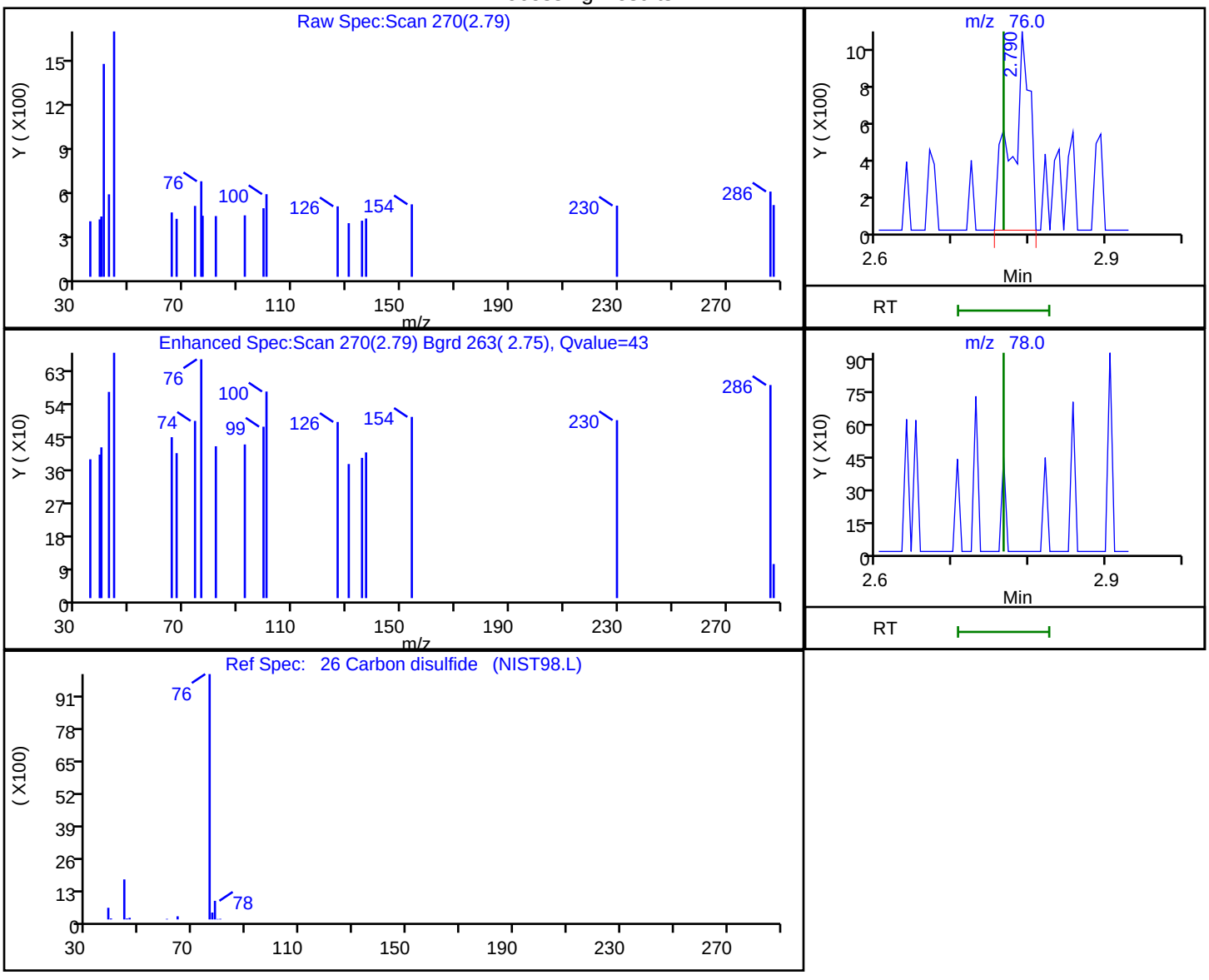
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4694.D
Injection Date: 25-Nov-2020 09:35:30 Instrument ID: HP5973S
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.79	76.00	1731	0.070238
2.77	78.00	0	

Reviewer: moffata, 25-Nov-2020 10:11:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

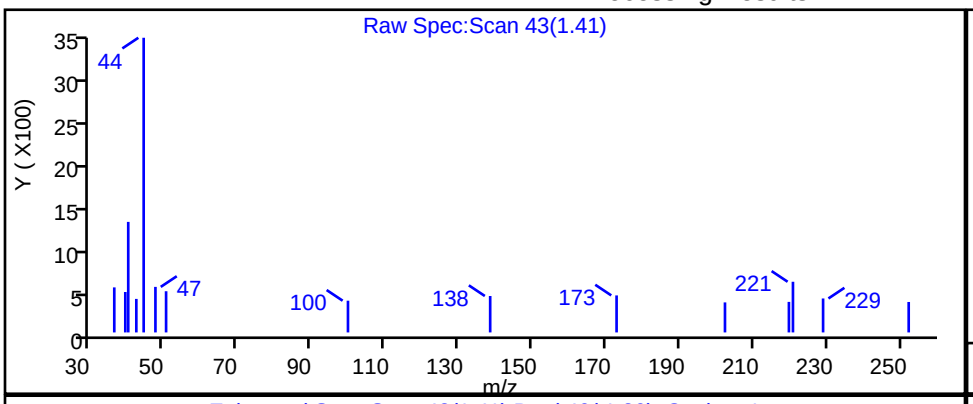
User Disabled Compound Report

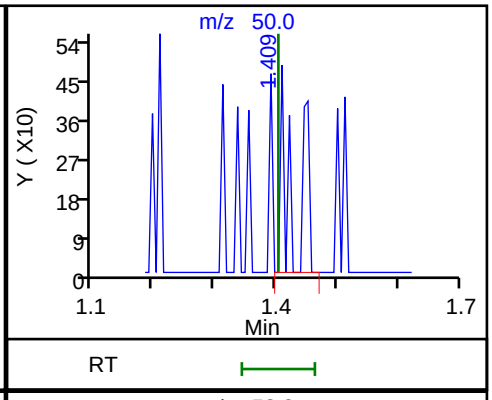
Eurofins TestAmerica, Buffalo

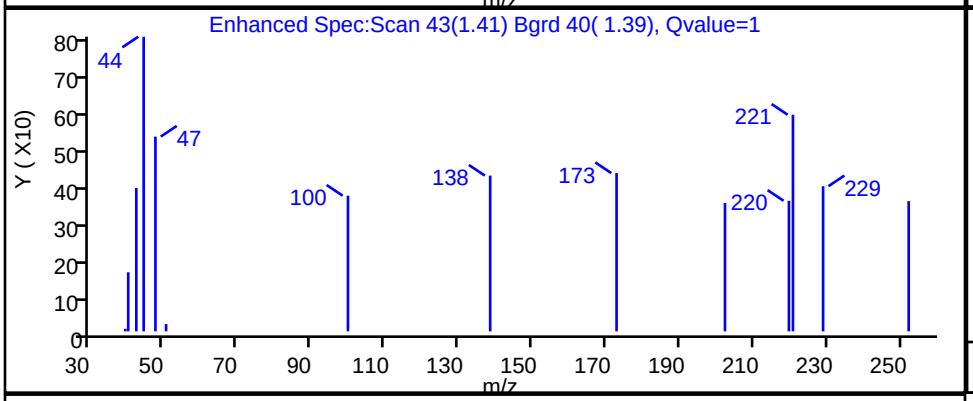
Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4694.D
Injection Date: 25-Nov-2020 09:35:30 Instrument ID: HP5973S
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

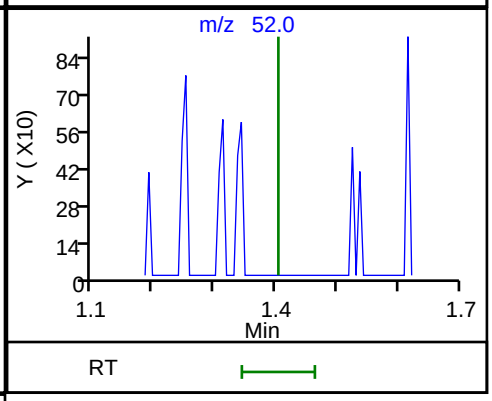
12 Chloromethane, CAS: 74-87-3

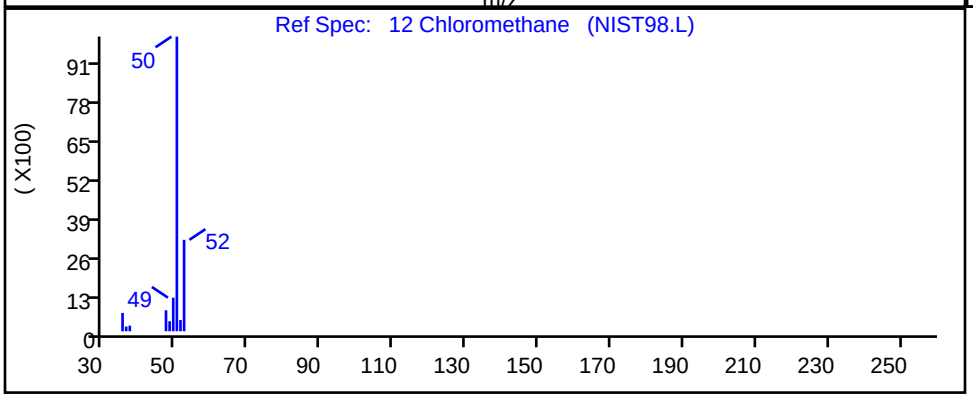
Processing Results











RT	Mass	Response	Amount
1.41	50.00	596	0.045187
1.40	52.00	0	

Reviewer: moffata, 25-Nov-2020 10:11:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

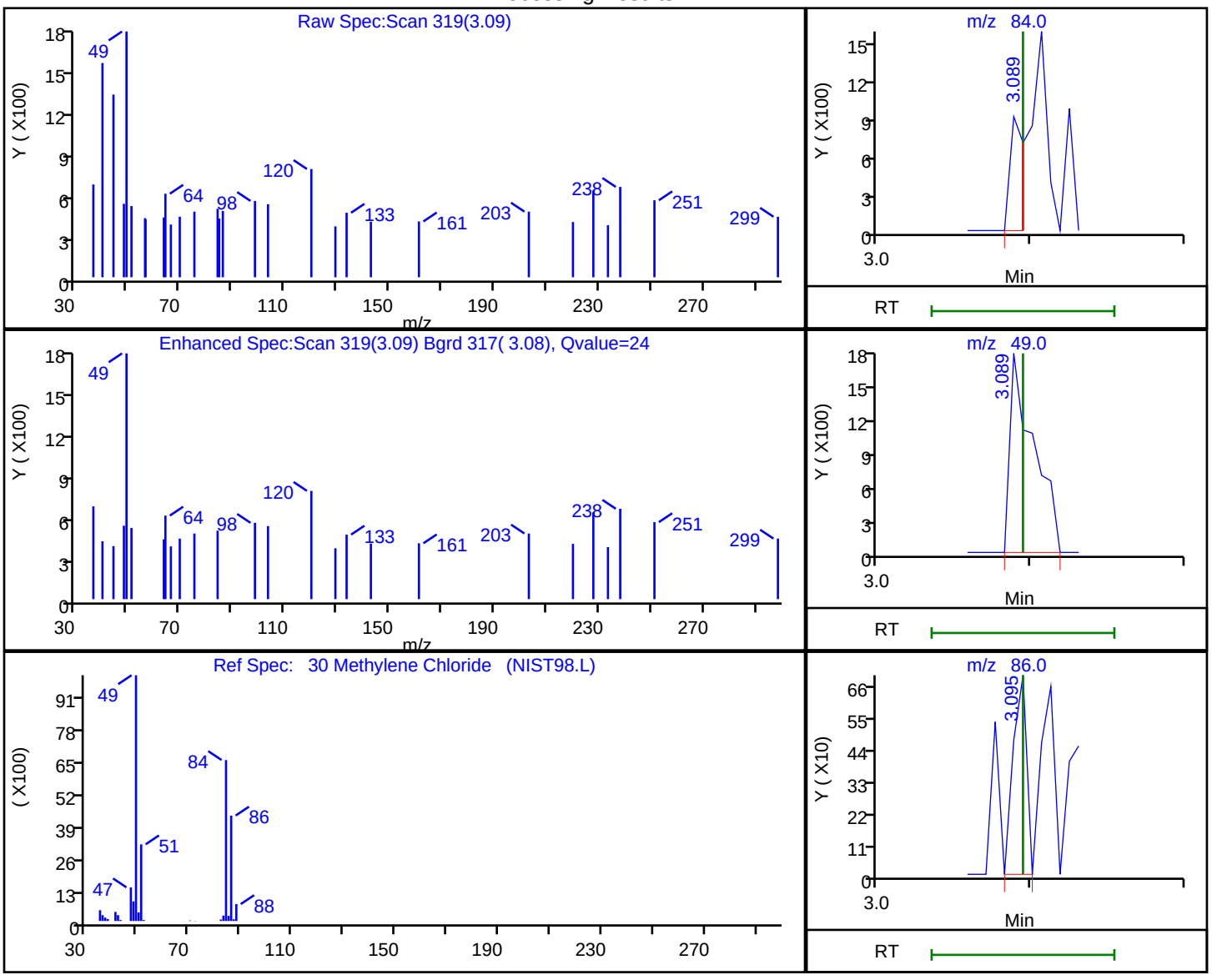
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4694.D				
Injection Date:	25-Nov-2020 09:35:30	Instrument ID:	HP5973S		
Lims ID:	MB				
Client ID:					
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.09	84.00	579	-0.726207
3.09	49.00	1870	
3.09	86.00	423	

Reviewer: moffata, 25-Nov-2020 10:11:23

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-560828/7

Matrix: Water Lab File ID: N7757.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 10:47

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560828 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-560828/7

Matrix: Water Lab File ID: N7757.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 10:47

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560828 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
2037-26-5	Toluene-d8 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7757.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Nov-2020 10:47:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0095244-007
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2020 09:27:54 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: moffata Date: 25-Nov-2020 11:29:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	141430	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.585	0.000	90	545360	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.957	10.958	-0.001	95	304007	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.989	4.990	-0.001	93	193107	25.0	24.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	95	281022	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	7.088	7.083	0.000	96	716393	25.0	26.0	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.825	0.000	90	236126	25.0	25.7	
11 Dichlorodifluoromethane	85		1.309					ND	
12 Chlorodifluoromethane	51		1.339					ND	
13 Chloromethane	50		1.498					ND	
144 Butadiene	54		1.601					ND	
14 Vinyl chloride	62		1.607					ND	
15 Bromomethane	94		1.905					ND	
16 Chloroethane	64		2.003					ND	
17 Dichlorofluoromethane	67		2.240					ND	
18 Trichlorofluoromethane	101		2.240					ND	
19 Ethyl ether	59		2.538					ND	
141 Ethanol	45		2.562					ND	
81 Propene oxide	58		2.641					ND	
20 Acrolein	56		2.727					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.757					ND	
22 1,1-Dichloroethene	96		2.763					ND	
23 Acetone	43		2.891					ND	
24 Iodomethane	142		2.927					ND	
25 Carbon disulfide	76		2.964					ND	
26 Isopropyl alcohol	45		3.092					ND	
27 3-Chloro-1-propene	41		3.146					ND	
28 Methyl acetate	43		3.189					ND	
29 Acetonitrile	40		3.213					ND	
30 Methylene Chloride	84		3.292					ND	
31 2-Methyl-2-propanol	59		3.469					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.511					ND	
33 trans-1,2-Dichloroethene	96		3.530					ND	
34 Acrylonitrile	53		3.584					ND	
35 Hexane	57		3.724					ND	
36 1,1-Dichloroethane	63		3.955					ND	
37 Isopropyl ether	45		3.968					ND	
39 Vinyl acetate	43		4.004					ND	
38 2-Chloro-1,3-butadiene	53		4.016					ND	
40 1,1-Dimethoxyethane	75		4.047					ND	
41 Tert-butyl ethyl ether	59		4.308					ND	
42 2,2-Dichloropropane	77		4.479					ND	
43 cis-1,2-Dichloroethene	96		4.515					ND	
44 2-Butanone (MEK)	43		4.552					ND	
45 Ethyl acetate	43		4.582					ND	
46 Propionitrile	54		4.661					ND	
47 Chlorobromomethane	128		4.752					ND	
49 Tetrahydrofuran	42		4.771					ND	
48 Methacrylonitrile	67		4.771					ND	
50 Chloroform	83		4.831					ND	
51 1,1,1-Trichloroethane	97		4.947					ND	
52 Cyclohexane	56		4.953					ND	
53 Carbon tetrachloride	117		5.081					ND	
58 Tert-amyl methyl ether	73		5.203					ND	
146 Isooctane	57		5.294					ND	
54 1,1-Dichloropropene	75		5.306					ND	
55 Benzene	78		5.306					ND	
56 Isobutyl alcohol	43		5.318					ND	
57 1,2-Dichloroethane	62		5.373					ND	
140 t-Amyl alcohol	59		5.379					ND	
59 n-Heptane	43		5.476					ND	
1 1,4-Difluorobenzene	114		5.689					ND	
60 Trichloroethene	95		5.914					ND	
61 n-Butanol	56		5.939					ND	
62 Methylcyclohexane	83		6.036					ND	
145 Ethyl acrylate	55		6.042					ND	
63 1,2-Dichloropropane	63		6.158					ND	
65 Methyl methacrylate	41		6.255					ND	
64 Dibromomethane	93		6.298					ND	
66 1,4-Dioxane	88		6.304					ND	
67 Dichlorobromomethane	83		6.450					ND	
68 2-Nitropropane	43		6.705					ND	
69 2-Chloroethyl vinyl ether	63		6.723					ND	
70 Epichlorohydrin	57		6.827					ND	
71 cis-1,3-Dichloropropene	75		6.869					ND	
72 4-Methyl-2-pentanone (MIBK)	58		7.009					ND	
73 Toluene	92		7.155					ND	
74 2-Methylthiophene	97		7.295					ND	
75 trans-1,3-Dichloropropene	75		7.435					ND	
76 3-Methylthiophene	97		7.460					ND	
77 Ethyl methacrylate	69		7.478					ND	
78 1,1,2-Trichloroethane	83		7.630					ND	
79 Tetrachloroethene	166		7.691					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.794				ND		
82 2-Hexanone	43		7.855				ND		
149 n-Butyl acetate	43		7.958				ND		
83 Chlorodibromomethane	129		8.031				ND		
84 Ethylene Dibromide	107		8.135				ND		
139 1-Chlorohexane	55	8.585	8.549	0.030	33	7942		NC	
86 3-Chlorobenzotrifluoride	180		8.573				ND		
85 Chlorobenzene	112		8.609				ND		
87 4-Chlorobenzotrifluoride	180		8.640				ND		
88 Ethylbenzene	91		8.701				ND		
89 1,1,1,2-Tetrachloroethane	131		8.707				ND		
90 m-Xylene & p-Xylene	106		8.822				ND		
91 o-Xylene	106		9.254				ND		
92 Styrene	104		9.285				ND		
93 Bromoform	173		9.534				ND		
94 2-Chlorobenzotrifluoride	180		9.558				ND		
95 Isopropylbenzene	105		9.631				ND		
96 Cyclohexanone	55	9.832	9.814	0.018	36	694		NC	
97 Bromobenzene	156		9.978				ND		
98 1,1,2,2-Tetrachloroethane	83		10.033				ND		
100 N-Propylbenzene	91		10.051				ND		
99 1,2,3-Trichloropropane	110		10.063				ND		
101 trans-1,4-Dichloro-2-butene	53		10.075				ND		
102 2-Chlorotoluene	126		10.161				ND		
104 1,3,5-Trimethylbenzene	105		10.228				ND		
103 3-Chlorotoluene	126		10.228				ND		
105 4-Chlorotoluene	91		10.270				ND		
106 tert-Butylbenzene	134		10.544				ND		
108 1,2,4-Trimethylbenzene	105		10.599				ND		
107 Pentachloroethane	167		10.611				ND		
109 sec-Butylbenzene	105		10.751				ND		
110 1,3-Dichlorobenzene	146		10.891				ND		
111 4-Isopropyltoluene	119		10.891				ND		
112 Dicyclopentadiene	66	10.957	10.958	-0.001	44	6507		NC	
113 1,4-Dichlorobenzene	146		10.982				ND		
114 1,2,3-Trimethylbenzene	105		11.006				ND		
143 Benzyl chloride	126		11.128				ND		
115 n-Butylbenzene	91		11.274				ND		
116 1,2-Dichlorobenzene	146		11.329				ND		
117 1,2-Dibromo-3-Chloropropane	75		12.053				ND		
118 1,3,5-Trichlorobenzene	180		12.187				ND		
119 1,2,4-Trichlorobenzene	180		12.728				ND		
120 Hexachlorobutadiene	225		12.837				ND		
121 Naphthalene	128		12.947				ND		
122 1,2,3-Trichlorobenzene	180		13.148				ND		
142 2-Methylnaphthalene	142		13.859				ND		
138 1-Bromopropane	1		0.000				ND		
131 Aziridine TIC	1		0.000				ND		
133 Halothane	1		0.000				ND		
136 Ethylene oxide TIC	1		0.000				ND		
S 124 1,2-Dichloroethene, Total	1		30.000				ND		7
S 123 1,3-Dichloropropene, Total	1		30.000				ND		7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 126 Xylenes, Total	1		30.000					ND	7
S 125 Total BTEX	1		30.000					ND	7

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00202	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent

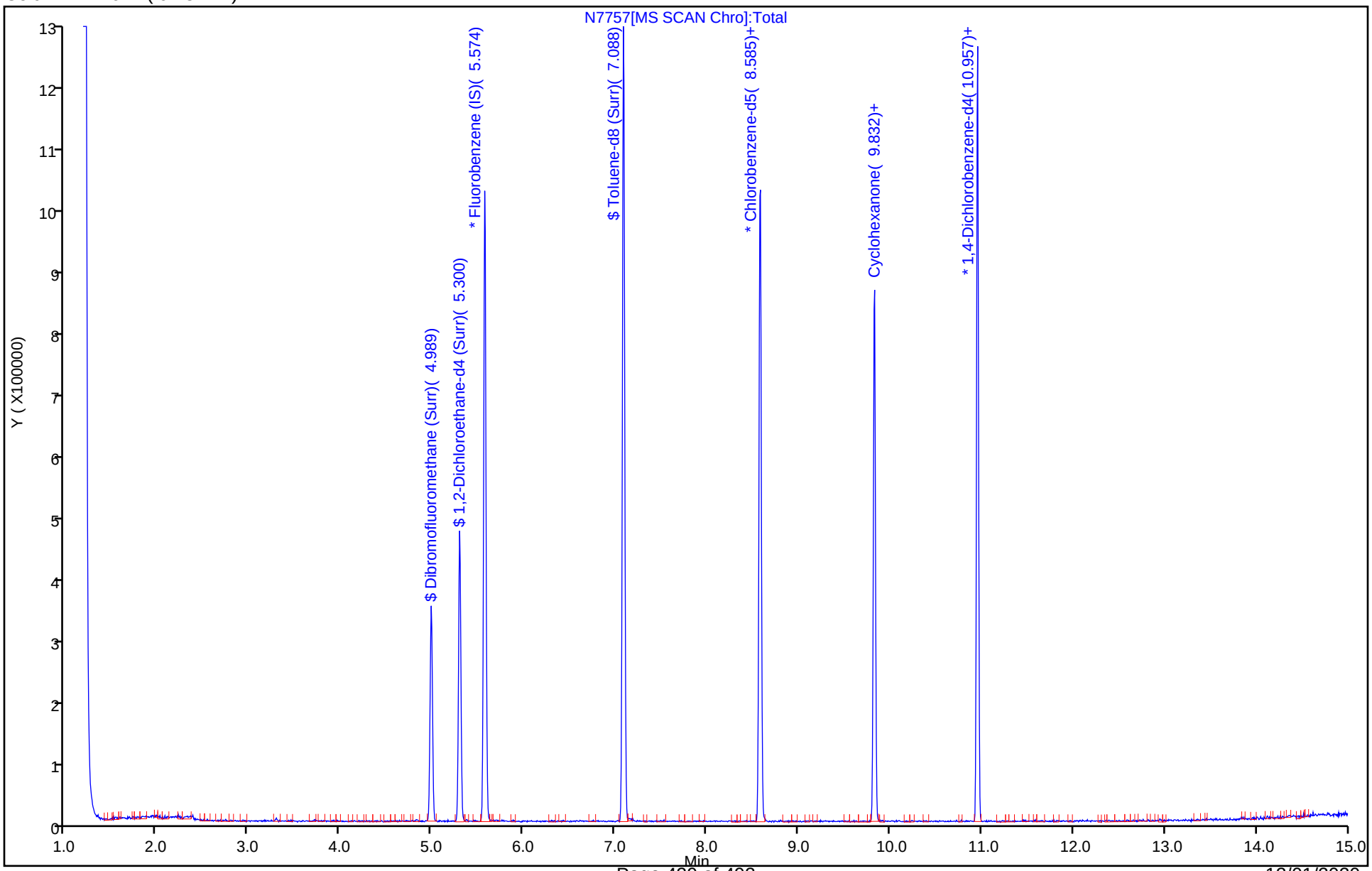
Report Date: 25-Nov-2020 11:29:39 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7757.D

Injection Date:	25-Nov-2020 10:47:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-560877/7

Matrix: Water Lab File ID: T9270.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 12:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560877 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-560877/7

Matrix: Water Lab File ID: T9270.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 12:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560877 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
2037-26-5	Toluene-d8 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9270.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Nov-2020 12:43:30 ALS Bottle#: 27 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0095257-007
Operator ID: LH Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2020 13:03:40 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: HillL Date: 25-Nov-2020 13:03:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.597	4.597	0.000	98	171547	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.877	6.887	-0.010	88	651010	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	96	334266	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.130	4.141	-0.011	92	207577	25.0	27.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.379	4.379	0.000	0	290246	25.0	27.1	
$ 6 Toluene-d8 (Surr)	98	5.768	5.759	0.000	94	809404	25.0	25.8	
$ 7 4-Bromofluorobenzene (Surr)	174	7.809	7.798	0.000	0	240462	25.0	26.4	
11 Dichlorodifluoromethane	85		1.094					ND	
12 Chlorodifluoromethane	51		1.125					ND	
13 Chloromethane	50		1.250					ND	
14 Vinyl chloride	62		1.312					ND	
151 Butadiene	54		1.322					ND	
15 Bromomethane	94		1.571					ND	
16 Chloroethane	64		1.633					ND	
18 Dichlorofluoromethane	67		1.820					ND	
17 Trichlorofluoromethane	101		1.820					ND	
19 Ethyl ether	59		2.058					ND	
148 Ethanol	45		2.110					ND	
84 Propene oxide	58		2.151					ND	
21 Acrolein	56		2.224					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.265					ND	
22 1,1-Dichloroethene	96		2.276					ND	
23 Acetone	43		2.358					ND	
24 Iodomethane	142		2.421					ND	
25 Carbon disulfide	76		2.441					ND	
26 Isopropyl alcohol	45		2.545					ND	
27 3-Chloro-1-propene	41		2.597					ND	
28 Methyl acetate	43		2.628					ND	
29 Acetonitrile	40		2.659					ND	
30 Methylene Chloride	84		2.731					ND	
31 2-Methyl-2-propanol	59		2.877					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73		2.918					ND	
32 trans-1,2-Dichloroethene	96		2.918					ND	
34 Acrylonitrile	53		2.970					ND	
35 Hexane	57		3.073					ND	
36 1,1-Dichloroethane	63		3.281					ND	
37 Isopropyl ether	45		3.301					ND	
39 Vinyl acetate	43		3.322					ND	
139 Halothane	117		3.332					ND	
38 2-Chloro-1,3-butadiene	53		3.332					ND	
40 1,1-Dimethoxyethane	75		3.353					ND	
41 Tert-butyl ethyl ether	59		3.592					ND	
42 2,2-Dichloropropane	77		3.716					ND	
43 cis-1,2-Dichloroethene	96		3.747					ND	
44 2-Butanone (MEK)	43		3.768					ND	
45 Ethyl acetate	43		3.799					ND	
46 Propionitrile	54		3.871					ND	
48 Tetrahydrofuran	42		3.944					ND	
47 Chlorobromomethane	128		3.944					ND	
49 Methacrylonitrile	41		3.954					ND	
50 Chloroform	83		4.006					ND	
52 Cyclohexane	56		4.089					ND	
51 1,1,1-Trichloroethane	97		4.089					ND	
53 Carbon tetrachloride	117		4.203					ND	
54 1,1-Dichloropropene	75		4.213					ND	
152 Isooctane	57		4.379					ND	
55 Benzene	78		4.379					ND	
56 Isobutyl alcohol	43		4.400					ND	
57 1,2-Dichloroethane	62		4.431					ND	
147 t-Amyl alcohol	59		4.452					ND	
58 Tert-amyl methyl ether	73		4.452					ND	
59 n-Heptane	43		4.514					ND	
1 1,4-Difluorobenzene	114		4.690					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.773					ND	
60 Trichloroethene	95		4.856					ND	
61 n-Butanol	56		4.887					ND	
62 Methylcyclohexane	83		4.949					ND	
142 Ethyl acrylate	55		4.959					ND	
140 2,4,4-Trimethyl-2-pentene	97		4.960					ND	
63 1,2-Dichloropropane	63		5.053					ND	
64 Methyl methacrylate	41		5.125					ND	
65 Dibromomethane	93		5.156					ND	
66 1,4-Dioxane	88		5.156					ND	
67 Dichlorobromomethane	83		5.281					ND	
68 2-Nitropropane	43		5.478					ND	
69 2-Chloroethyl vinyl ether	63		5.488					ND	
70 Epichlorohydrin	57		5.571					ND	
71 cis-1,3-Dichloropropene	75		5.592					ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.706					ND	
73 Toluene	92		5.809					ND	
74 2-Methylthiophene	97		5.923					ND	
75 trans-1,3-Dichloropropene	75		6.027					ND	
76 3-Methylthiophene	97		6.048					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
77 Ethyl methacrylate	69		6.058					ND	
78 1,1,2-Trichloroethane	83		6.172					ND	
79 Tetrachloroethene	166		6.213					ND	
80 1,3-Dichloropropane	76		6.296					ND	
81 2-Hexanone	43		6.338					ND	
155 n-Butyl acetate	43		6.421					ND	
82 Chlorodibromomethane	129		6.473					ND	
83 Ethylene Dibromide	107		6.545					ND	
146 1-Chlorohexane	55		6.856					ND	U
85 3-Chlorobenzotrifluoride	180		6.877					ND	
86 Chlorobenzene	112		6.908					ND	
87 4-Chlorobenzotrifluoride	180		6.918					ND	
88 Ethylbenzene	91		6.970					ND	
89 1,1,1,2-Tetrachloroethane	131		6.980					ND	
90 m-Xylene & p-Xylene	106		7.053					ND	
91 o-Xylene	106		7.374					ND	
92 Styrene	104		7.395					ND	
93 Bromoform	173		7.592					ND	
94 2-Chlorobenzotrifluoride	180		7.602					ND	
95 Isopropylbenzene	105		7.654					ND	
96 Cyclohexanone	55		7.799					ND	U
97 Bromobenzene	156		7.934					ND	
98 1,1,2,2-Tetrachloroethane	83		7.975					ND	
99 N-Propylbenzene	91		7.986					ND	
100 1,2,3-Trichloropropane	110		7.996					ND	
101 trans-1,4-Dichloro-2-butene	53		8.006					ND	
105 2-Chlorotoluene	126		8.068					ND	
103 3-Chlorotoluene	126		8.131					ND	
104 1,3,5-Trimethylbenzene	105		8.131					ND	
102 4-Chlorotoluene	91		8.162					ND	
106 tert-Butylbenzene	134		8.390					ND	
107 1,2,4-Trimethylbenzene	105		8.431					ND	
108 Pentachloroethane	167		8.441					ND	
109 sec-Butylbenzene	105		8.566					ND	
111 4-Isopropyltoluene	119		8.680					ND	
110 1,3-Dichlorobenzene	146		8.680					ND	
112 Dicyclopentadiene	66		8.742					ND	
113 1,4-Dichlorobenzene	146		8.763					ND	
114 1,2,3-Trimethylbenzene	105		8.783					ND	
150 Benzyl chloride	126		8.887					ND	
115 n-Butylbenzene	91		9.022					ND	
116 1,2-Dichlorobenzene	146		9.063					ND	
117 1,2-Dibromo-3-Chloropropane	75		9.737					ND	
118 1,3,5-Trichlorobenzene	180		9.861					ND	
119 1,2,4-Trichlorobenzene	180		10.379					ND	
120 Hexachlorobutadiene	225		10.483					ND	
121 Naphthalene	128		10.587					ND	
122 1,2,3-Trichlorobenzene	180		10.794					ND	
149 2-Methylnaphthalene	142		11.478					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
137 Methyl acrylate	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
S 126 Xylenes, Total	1		30.000					ND	7
S 125 Total BTEX	1		30.000					ND	7
S 124 1,2-Dichloroethene, Total	1		30.000					ND	7
S 123 1,3-Dichloropropene, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected

Reagents:

T_8260_Surr_00211	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00250	Amount Added:	1.00	Units: uL	Run Reagent

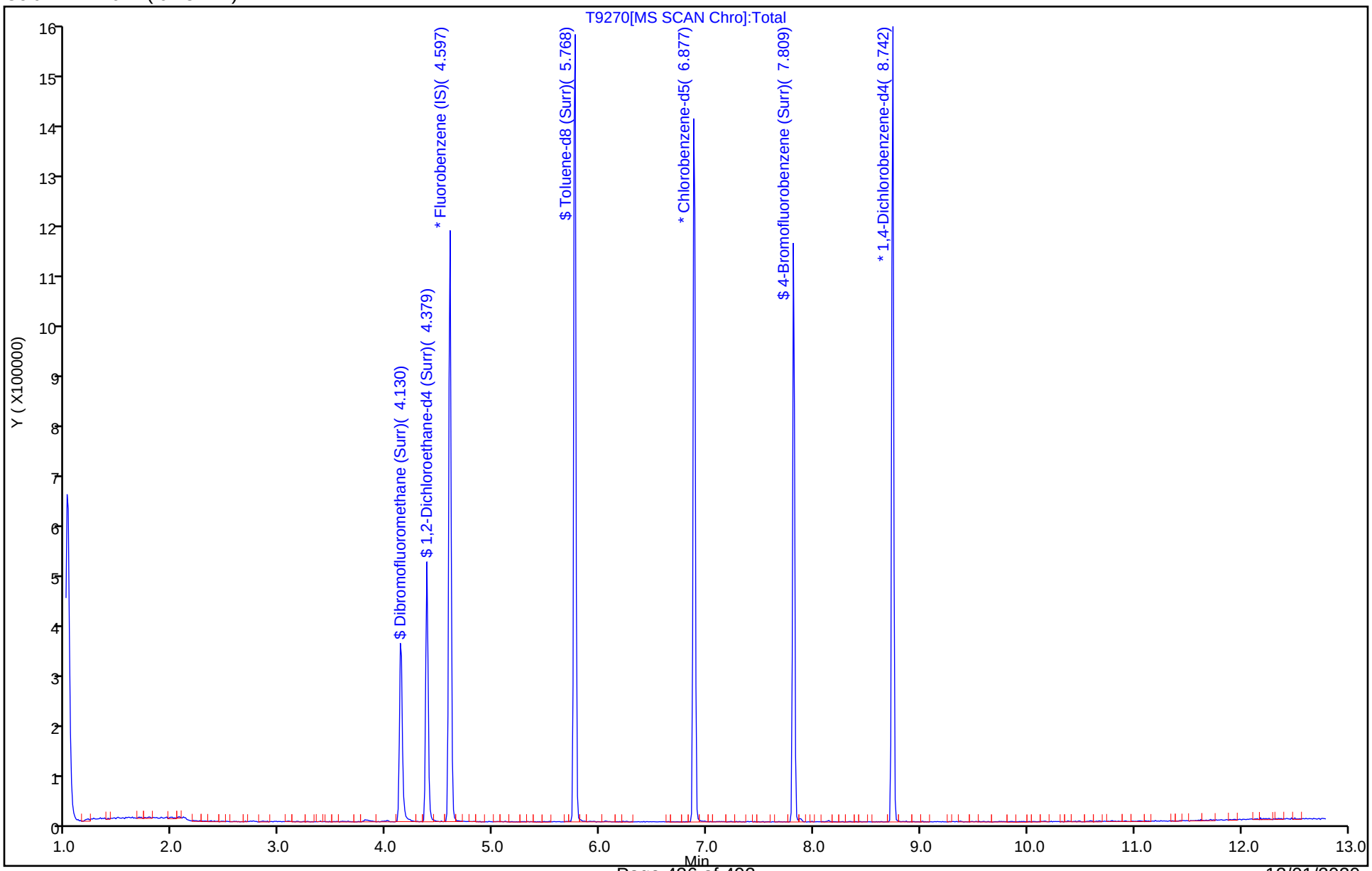
Report Date: 25-Nov-2020 13:03:41 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9270.D

Injection Date:	25-Nov-2020 12:43:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-560615/5

Matrix: Water Lab File ID: S4636.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 08:14

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560615 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.9		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.2		1.0	0.21
79-00-5	1,1,2-Trichloroethane	24.8		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	23.9		1.0	0.31
75-34-3	1,1-Dichloroethane	24.0		1.0	0.38
75-35-4	1,1-Dichloroethene	23.9		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.7		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	22.7		1.0	0.39
106-93-4	1,2-Dibromoethane	23.7		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.7		1.0	0.79
107-06-2	1,2-Dichloroethane	25.7		1.0	0.21
78-87-5	1,2-Dichloropropane	25.4		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.6		1.0	0.84
591-78-6	2-Hexanone	134		5.0	1.2
78-93-3	2-Butanone (MEK)	148		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	132		5.0	2.1
67-64-1	Acetone	137		10	3.0
71-43-2	Benzene	25.2		1.0	0.41
75-27-4	Bromodichloromethane	25.7		1.0	0.39
75-25-2	Bromoform	24.0		1.0	0.26
74-83-9	Bromomethane	24.8		1.0	0.69
75-15-0	Carbon disulfide	25.3		1.0	0.19
56-23-5	Carbon tetrachloride	24.9		1.0	0.27
108-90-7	Chlorobenzene	25.1		1.0	0.75
124-48-1	Dibromochloromethane	25.5		1.0	0.32
75-00-3	Chloroethane	24.2		1.0	0.32
67-66-3	Chloroform	24.2		1.0	0.34
74-87-3	Chloromethane	27.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.9		1.0	0.36
110-82-7	Cyclohexane	23.8		1.0	0.18
75-71-8	Dichlorodifluoromethane	32.4		1.0	0.68
100-41-4	Ethylbenzene	24.8		1.0	0.74
98-82-8	Isopropylbenzene	25.3		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-560615/5

Matrix: Water Lab File ID: S4636.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2020 08:14

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560615 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	54.0		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.1		1.0	0.16
108-87-2	Methylcyclohexane	24.1		1.0	0.16
75-09-2	Methylene Chloride	24.3		1.0	0.44
100-42-5	Styrene	25.3		1.0	0.73
127-18-4	Tetrachloroethene	25.3		1.0	0.36
108-88-3	Toluene	24.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.0		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.7		1.0	0.37
79-01-6	Trichloroethene	25.3		1.0	0.46
75-69-4	Trichlorofluoromethane	28.7		1.0	0.88
75-01-4	Vinyl chloride	26.2		1.0	0.90
1330-20-7	Xylenes, Total	50.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4636.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Nov-2020 08:14:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0095204-005
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2020 08:46:19 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: moffata Date: 24-Nov-2020 08:46:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.346	5.345	0.001	99	157576	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.333	8.332	0.001	85	340530	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.729	10.729	0.000	50	329860	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.768	4.774	-0.006	56	207782	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.078	5.072	0.006	50	135050	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	89	849705	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	260116	25.0	25.1	
10 Dichlorodifluoromethane	85	1.227	1.227	0.000	87	334183	25.0	32.4	
12 Chloromethane	50	1.403	1.409	-0.006	88	383157	25.0	27.0	
13 Vinyl chloride	62	1.495	1.488	0.007	55	320903	25.0	26.2	
151 Butadiene	54	1.495	1.495	0.000	67	392968	25.0	28.4	
14 Bromomethane	94	1.781	1.787	-0.006	88	181323	25.0	24.8	
15 Chloroethane	64	1.866	1.860	0.006	91	179626	25.0	24.2	
16 Dichlorofluoromethane	67	2.079	2.085	-0.006	94	401628	25.0	25.3	
17 Trichlorofluoromethane	101	2.079	2.085	-0.006	77	409387	25.0	28.7	
18 Ethyl ether	59	2.365	2.358	0.007	98	228689	25.0	23.5	
20 Acrolein	56	2.547	2.541	0.006	98	118205	125.0	127.8	
22 1,1-Dichloroethene	96	2.571	2.577	-0.006	95	211724	25.0	23.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.577	2.577	0.000	57	215489	25.0	23.9	
23 Acetone	43	2.705	2.705	0.000	98	586337	125.0	137.3	
25 Iodomethane	142	2.736	2.736	0.000	99	378161	25.0	23.6	
26 Carbon disulfide	76	2.766	2.766	0.000	100	670785	25.0	25.3	
28 3-Chloro-1-propene	41	2.949	2.949	0.001	88	455632	25.0	27.3	
27 Methyl acetate	43	2.997	2.997	0.000	97	543358	50.0	54.0	
30 Methylene Chloride	84	3.095	3.095	0.000	96	255164	25.0	24.3	
31 2-Methyl-2-propanol	59	3.271	3.277	-0.006	96	392618	250.0	329.8	
32 Methyl tert-butyl ether	73	3.301	3.301	0.000	94	774363	25.0	25.1	
34 trans-1,2-Dichloroethene	96	3.320	3.320	0.000	93	246637	25.0	23.0	
33 Acrylonitrile	53	3.387	3.387	0.000	99	1409787	250.0	262.0	
35 Hexane	57	3.514	3.508	0.006	93	408507	25.0	24.5	
39 1,1-Dichloroethane	63	3.739	3.739	0.000	96	452236	25.0	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.800	3.794	0.006	96	1473095	50.0	54.5	
44 2,2-Dichloropropane	77	4.257	4.263	-0.006	93	274123	25.0	23.9	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	79	263197	25.0	23.1	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	98	925535	125.0	148.4	
48 Chlorobromomethane	128	4.536	4.530	0.006	95	141292	25.0	25.7	
49 Tetrahydrofuran	42	4.549	4.548	0.001	94	241914	50.0	53.8	
50 Chloroform	83	4.609	4.615	-0.006	94	458593	25.0	24.2	
52 Cyclohexane	56	4.719	4.719	0.000	94	478745	25.0	23.8	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	88	371114	25.0	24.9	
55 Carbon tetrachloride	117	4.853	4.853	0.000	83	308628	25.0	24.9	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	90	330938	25.0	23.8	
57 Benzene	78	5.072	5.072	0.000	96	1022552	25.0	25.2	
53 Isobutyl alcohol	43	5.108	5.102	0.006	93	394457	625.0	720.6	
58 1,2-Dichloroethane	62	5.145	5.145	0.000	72	401602	25.0	25.7	
59 n-Heptane	43	5.254	5.254	0.000	97	480652	25.0	25.9	
62 Trichloroethene	95	5.686	5.686	0.000	97	265680	25.0	25.3	
64 Methylcyclohexane	83	5.796	5.796	0.000	96	423352	25.0	24.1	
65 1,2-Dichloropropane	63	5.930	5.929	0.001	89	267618	25.0	25.4	
67 Dibromomethane	93	6.069	6.063	0.006	90	170666	25.0	26.1	
66 1,4-Dioxane	88	6.069	6.076	-0.006	33	45081	500.0	465.8	
68 Dichlorobromomethane	83	6.222	6.221	0.001	91	326836	25.0	25.7	
69 2-Chloroethyl vinyl ether	63	6.501	6.501	0.000	92	191032	25.0	25.2	
72 cis-1,3-Dichloropropene	75	6.635	6.635	0.000	86	397070	25.0	25.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.781	6.781	0.000	98	1907586	125.0	131.6	
74 Toluene	92	6.921	6.921	0.000	94	642605	25.0	24.2	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	94	368174	25.0	24.7	
75 Ethyl methacrylate	69	7.250	7.250	0.000	88	351336	25.0	26.6	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	91	195878	25.0	24.8	
81 Tetrachloroethene	166	7.444	7.444	0.000	81	274463	25.0	25.3	
82 1,3-Dichloropropane	76	7.554	7.554	0.000	97	416525	25.0	24.9	
80 2-Hexanone	43	7.621	7.621	0.000	97	1379762	125.0	134.1	
83 Chlorodibromomethane	129	7.791	7.791	0.000	85	240834	25.0	25.5	
84 Ethylene Dibromide	107	7.895	7.895	0.001	99	243559	25.0	23.7	
87 Chlorobenzene	112	8.363	8.363	0.000	92	721456	25.0	25.1	
88 Ethylbenzene	91	8.454	8.454	0.000	99	1253913	25.0	24.8	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	46	246992	25.0	24.5	
90 m-Xylene & p-Xylene	106	8.576	8.582	-0.006	98	482965	25.0	25.4	
91 o-Xylene	106	9.002	9.002	0.000	98	472569	25.0	24.9	
92 Styrene	104	9.038	9.038	0.000	92	761049	25.0	25.3	
95 Bromoform	173	9.288	9.288	0.000	94	138847	25.0	24.0	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1244920	25.0	25.3	
101 Bromobenzene	156	9.738	9.738	0.000	95	315412	25.0	24.5	
97 1,1,2,2-Tetrachloroethane	83	9.799	9.805	-0.006	92	336393	25.0	24.2	
99 N-Propylbenzene	91	9.817	9.823	-0.006	98	1504940	25.0	24.9	
100 1,2,3-Trichloropropane	110	9.835	9.835	0.000	70	112818	25.0	24.1	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.853	0.000	84	79202	25.0	21.8	
103 2-Chlorotoluene	126	9.926	9.926	0.000	96	302705	25.0	24.8	
102 1,3,5-Trimethylbenzene	105	9.999	9.999	0.000	94	1061514	25.0	24.8	
105 4-Chlorotoluene	126	10.036	10.036	0.000	88	298777	25.0	24.1	
106 tert-Butylbenzene	134	10.316	10.316	0.000	91	242764	25.0	24.4	
107 1,2,4-Trimethylbenzene	105	10.371	10.371	0.001	77	1088379	25.0	25.2	
109 sec-Butylbenzene	105	10.529	10.529	0.000	93	1345637	25.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.663	10.663	0.001	78	613700	25.0	24.2	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	97	1179072	25.0	24.4	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	93	637138	25.0	24.6	
115 n-Butylbenzene	91	11.058	11.058	0.000	95	1097898	25.0	24.4	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	93	614238	25.0	24.7	
117 1,2-Dibromo-3-Chloropropane	75	11.837	11.837	0.000	73	60264	25.0	22.7	
119 1,2,4-Trichlorobenzene	180	12.506	12.506	0.000	93	445804	25.0	23.7	
120 Hexachlorobutadiene	225	12.615	12.615	0.000	94	192674	25.0	24.4	
121 Naphthalene	128	12.719	12.725	-0.006	98	1219251	25.0	24.6	
122 1,2,3-Trichlorobenzene	180	12.926	12.926	0.000	95	431418	25.0	24.4	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00429	Amount Added: 12.50	Units: uL	
8260 CORP mix_00196	Amount Added: 12.50	Units: uL	
S_8260_IS_00341	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00375	Amount Added: 1.00	Units: uL	Run Reagent

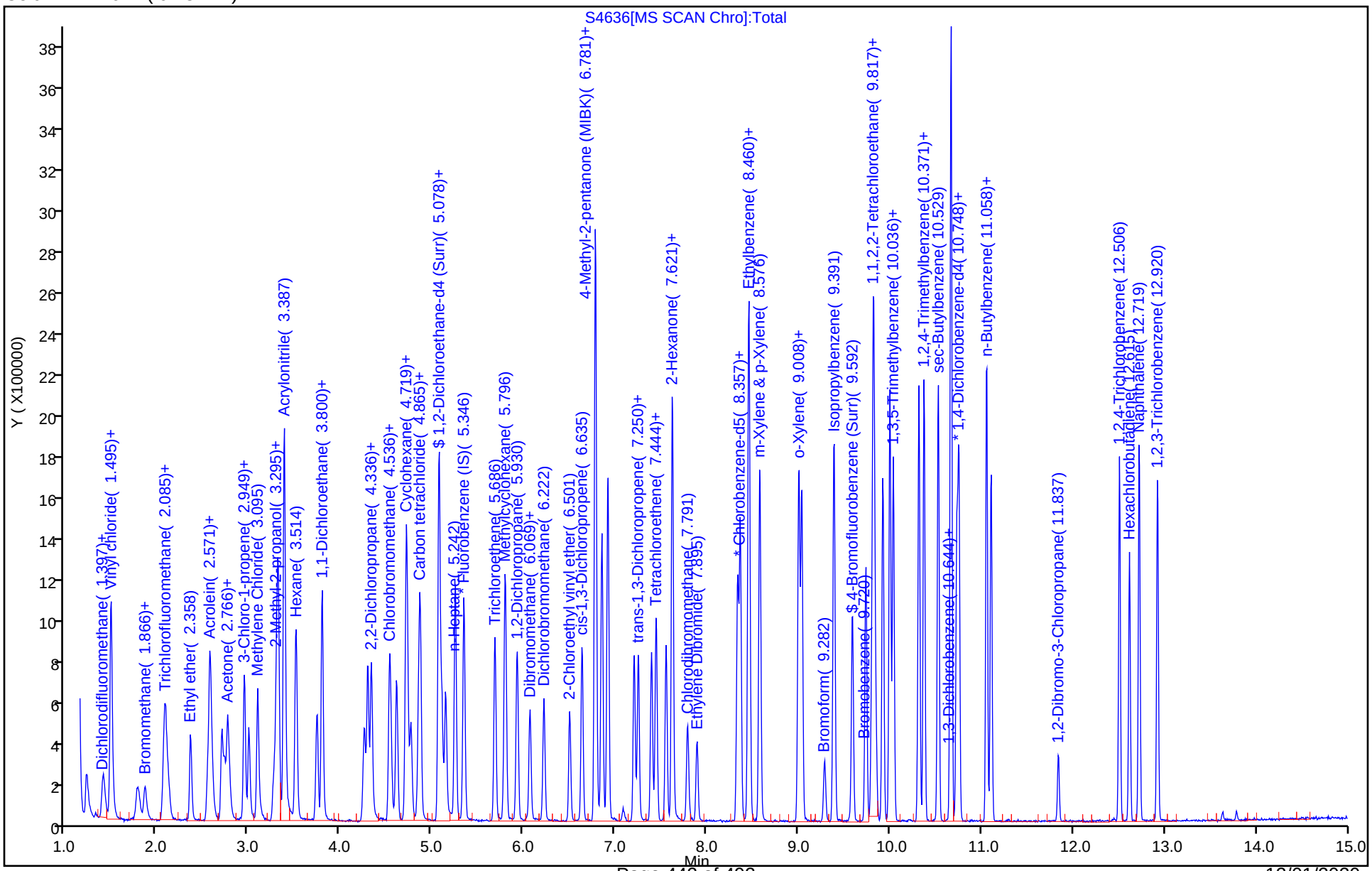
Report Date: 24-Nov-2020 08:46:40 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201124-95204.b\S4636.D

Injection Date:	24-Nov-2020 08:14:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-560826/5

Matrix: Water Lab File ID: S4692.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 08:49

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.8		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.2		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	28.1		1.0	0.31
75-34-3	1,1-Dichloroethane	25.1		1.0	0.38
75-35-4	1,1-Dichloroethene	27.8		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.7		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	26.0		1.0	0.39
106-93-4	1,2-Dibromoethane	24.9		1.0	0.73
95-50-1	1,2-Dichlorobenzene	26.5		1.0	0.79
107-06-2	1,2-Dichloroethane	25.6		1.0	0.21
78-87-5	1,2-Dichloropropane	25.3		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.8		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.9		1.0	0.84
591-78-6	2-Hexanone	139		5.0	1.2
78-93-3	2-Butanone (MEK)	147		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	139		5.0	2.1
67-64-1	Acetone	152		10	3.0
71-43-2	Benzene	25.4		1.0	0.41
75-27-4	Bromodichloromethane	24.9		1.0	0.39
75-25-2	Bromoform	24.1		1.0	0.26
74-83-9	Bromomethane	21.7		1.0	0.69
75-15-0	Carbon disulfide	28.4		1.0	0.19
56-23-5	Carbon tetrachloride	27.4		1.0	0.27
108-90-7	Chlorobenzene	26.5		1.0	0.75
124-48-1	Dibromochloromethane	26.6		1.0	0.32
75-00-3	Chloroethane	22.4		1.0	0.32
67-66-3	Chloroform	24.3		1.0	0.34
74-87-3	Chloromethane	25.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.8		1.0	0.36
110-82-7	Cyclohexane	26.2		1.0	0.18
75-71-8	Dichlorodifluoromethane	28.3		1.0	0.68
100-41-4	Ethylbenzene	26.5		1.0	0.74
98-82-8	Isopropylbenzene	27.4		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-560826/5

Matrix: Water Lab File ID: S4692.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 08:49

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560826 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	55.8		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.1		1.0	0.16
108-87-2	Methylcyclohexane	27.7		1.0	0.16
75-09-2	Methylene Chloride	24.8		1.0	0.44
100-42-5	Styrene	27.0		1.0	0.73
127-18-4	Tetrachloroethene	27.7		1.0	0.36
108-88-3	Toluene	26.7		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.2		1.0	0.37
79-01-6	Trichloroethene	24.7		1.0	0.46
75-69-4	Trichlorofluoromethane	28.2		1.0	0.88
75-01-4	Vinyl chloride	25.0		1.0	0.90
1330-20-7	Xylenes, Total	54.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4692.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Nov-2020 08:49:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0095243-005
Operator ID: AM Instrument ID: HP5973S

Method: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2020 09:37:04 Calib Date: 19-Nov-2020 22:05:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973S\20201119-95091.b\S4458.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: moffata Date: 25-Nov-2020 10:05:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.345	5.345	0.000	99	149672	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.339	8.333	0.006	88	301375	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.729	10.729	0.000	50	293128	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.767	4.773	-0.001	60	193850	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.072	5.078	-0.006	55	130219	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	6.854	6.854	0.000	86	753841	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.592	9.592	0.000	87	229638	25.0	25.0	
10 Dichlorodifluoromethane	85	1.221	1.227	-0.006	96	276553	25.0	28.3	
12 Chloromethane	50	1.403	1.403	0.000	88	346655	25.0	25.7	
151 Butadiene	54	1.488	1.496	-0.007	75	368527	25.0	28.0	
13 Vinyl chloride	62	1.488	1.495	-0.007	42	290716	25.0	25.0	
14 Bromomethane	94	1.774	1.781	-0.007	90	150789	25.0	21.7	
15 Chloroethane	64	1.860	1.866	-0.006	92	157829	25.0	22.4	
16 Dichlorofluoromethane	67	2.085	2.085	0.000	95	377585	25.0	25.0	
17 Trichlorofluoromethane	101	2.079	2.085	-0.006	80	382374	25.0	28.2	
18 Ethyl ether	59	2.364	2.365	-0.001	94	219307	25.0	23.7	
20 Acrolein	56	2.547	2.547	0.000	94	113217	125.0	128.9	
22 1,1-Dichloroethene	96	2.577	2.571	0.006	96	233608	25.0	27.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.571	2.571	0.000	61	240701	25.0	28.1	
23 Acetone	43	2.705	2.705	0.000	97	614453	125.0	151.5	
25 Iodomethane	142	2.736	2.736	0.000	98	375816	25.0	24.7	
26 Carbon disulfide	76	2.766	2.766	0.000	99	717168	25.0	28.4	
28 3-Chloro-1-propene	41	2.948	2.949	-0.001	85	461179	25.0	29.1	
27 Methyl acetate	43	2.997	2.997	0.000	96	533058	50.0	55.8	
30 Methylene Chloride	84	3.095	3.095	-0.001	91	247815	25.0	24.8	
31 2-Methyl-2-propanol	59	3.271	3.277	-0.006	92	366630	250.0	324.2	
32 Methyl tert-butyl ether	73	3.307	3.307	0.000	94	735129	25.0	25.1	
34 trans-1,2-Dichloroethene	96	3.320	3.320	0.000	91	256618	25.0	25.2	
33 Acrylonitrile	53	3.387	3.387	-0.001	99	1341990	250.0	262.5	
35 Hexane	57	3.514	3.514	0.000	95	449846	25.0	28.4	
39 1,1-Dichloroethane	63	3.745	3.746	-0.001	98	448581	25.0	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.800	3.800	0.000	97	1372629	50.0	53.5	
44 2,2-Dichloropropane	77	4.256	4.257	-0.001	93	293170	25.0	26.9	
45 cis-1,2-Dichloroethene	96	4.299	4.299	0.000	82	262496	25.0	24.2	
43 2-Butanone (MEK)	43	4.336	4.336	0.000	97	873769	125.0	147.5	
48 Chlorobromomethane	128	4.536	4.536	0.000	93	131054	25.0	25.1	
49 Tetrahydrofuran	42	4.548	4.549	-0.001	90	216462	50.0	50.6	
50 Chloroform	83	4.615	4.609	0.006	84	437741	25.0	24.3	
52 Cyclohexane	56	4.719	4.719	0.000	95	500156	25.0	26.2	
51 1,1,1-Trichloroethane	97	4.719	4.719	0.000	87	381232	25.0	27.0	
55 Carbon tetrachloride	117	4.853	4.853	0.000	89	322776	25.0	27.4	
54 1,1-Dichloropropene	75	4.871	4.871	0.000	90	338511	25.0	25.7	
57 Benzene	78	5.072	5.072	0.000	96	978659	25.0	25.4	
53 Isobutyl alcohol	43	5.102	5.102	0.000	92	399437	625.0	768.2	
58 1,2-Dichloroethane	62	5.145	5.151	-0.006	80	379576	25.0	25.6	
59 n-Heptane	43	5.254	5.254	0.000	97	503728	25.0	28.6	
62 Trichloroethene	95	5.686	5.674	0.006	95	246852	25.0	24.7	
64 Methylcyclohexane	83	5.802	5.795	0.000	94	461456	25.0	27.7	
65 1,2-Dichloropropane	63	5.929	5.917	0.006	85	253290	25.0	25.3	
67 Dibromomethane	93	6.063	6.057	0.000	93	147170	25.0	23.7	
66 1,4-Dioxane	88	6.069	6.076	-0.007	40	63166	500.0	737.4	
68 Dichlorobromomethane	83	6.221	6.215	-0.001	97	301253	25.0	24.9	
69 2-Chloroethyl vinyl ether	63	6.501	6.494	0.000	92	173946	25.0	24.2	
72 cis-1,3-Dichloropropene	75	6.635	6.628	0.000	84	361130	25.0	24.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.781	6.781	0.000	99	1781736	125.0	138.8	
74 Toluene	92	6.915	6.921	-0.006	94	627840	25.0	26.7	
77 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	95	344953	25.0	26.2	
75 Ethyl methacrylate	69	7.250	7.250	0.000	90	306051	25.0	26.2	
79 1,1,2-Trichloroethane	83	7.396	7.396	0.000	92	183114	25.0	26.2	
81 Tetrachloroethene	166	7.444	7.444	0.000	82	265613	25.0	27.7	
82 1,3-Dichloropropane	76	7.554	7.554	0.000	96	388728	25.0	26.3	
80 2-Hexanone	43	7.621	7.621	0.000	82	1267527	125.0	139.2	
83 Chlorodibromomethane	129	7.791	7.791	0.000	88	222858	25.0	26.6	
84 Ethylene Dibromide	107	7.894	7.888	0.006	99	226576	25.0	24.9	
87 Chlorobenzene	112	8.363	8.363	0.000	92	674048	25.0	26.5	
88 Ethylbenzene	91	8.454	8.454	0.000	98	1184691	25.0	26.5	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.460	0.006	45	231369	25.0	25.9	
90 m-Xylene & p-Xylene	106	8.576	8.582	-0.006	99	471091	25.0	28.0	
91 o-Xylene	106	9.002	9.002	0.000	98	443678	25.0	26.4	
92 Styrene	104	9.038	9.032	0.006	92	718406	25.0	27.0	
95 Bromoform	173	9.288	9.288	0.000	92	123127	25.0	24.1	
94 Isopropylbenzene	105	9.391	9.391	0.000	96	1196932	25.0	27.4	
101 Bromobenzene	156	9.738	9.738	0.000	98	293149	25.0	25.6	
97 1,1,2,2-Tetrachloroethane	83	9.805	9.799	0.006	70	305409	25.0	24.8	
99 N-Propylbenzene	91	9.823	9.817	0.006	98	1478365	25.0	27.6	
100 1,2,3-Trichloropropane	110	9.835	9.829	0.006	68	101903	25.0	24.5	
98 trans-1,4-Dichloro-2-butene	53	9.853	9.847	0.006	83	67680	25.0	21.0	
103 2-Chlorotoluene	126	9.926	9.926	0.000	95	272143	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	9.999	9.999	0.000	92	1018619	25.0	26.7	
105 4-Chlorotoluene	126	10.036	10.036	0.000	80	296359	25.0	26.9	
106 tert-Butylbenzene	134	10.316	10.316	0.000	92	229707	25.0	25.9	
107 1,2,4-Trimethylbenzene	105	10.370	10.371	-0.001	76	1029659	25.0	26.8	
109 sec-Butylbenzene	105	10.529	10.529	0.000	95	1336764	25.0	26.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.662	10.663	-0.001	77	580955	25.0	25.8	
110 4-Isopropyltoluene	119	10.669	10.669	0.000	97	1184905	25.0	27.6	
113 1,4-Dichlorobenzene	146	10.754	10.754	0.000	94	596187	25.0	25.9	
115 n-Butylbenzene	91	11.058	11.058	0.000	94	1088296	25.0	27.2	
116 1,2-Dichlorobenzene	146	11.107	11.107	0.000	91	585951	25.0	26.5	
117 1,2-Dibromo-3-Chloropropane	75	11.843	11.837	0.006	78	61469	25.0	26.0	
119 1,2,4-Trichlorobenzene	180	12.512	12.506	0.006	93	412590	25.0	24.7	
120 Hexachlorobutadiene	225	12.615	12.602	0.000	96	201751	25.0	28.7	
121 Naphthalene	128	12.725	12.711	0.000	97	1128010	25.0	25.6	
122 1,2,3-Trichlorobenzene	180	12.926	12.911	0.000	92	396112	25.0	25.2	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00429	Amount Added: 12.50	Units: uL	
8260 CORP mix_00196	Amount Added: 12.50	Units: uL	
S_8260_IS_00341	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00375	Amount Added: 1.00	Units: uL	Run Reagent

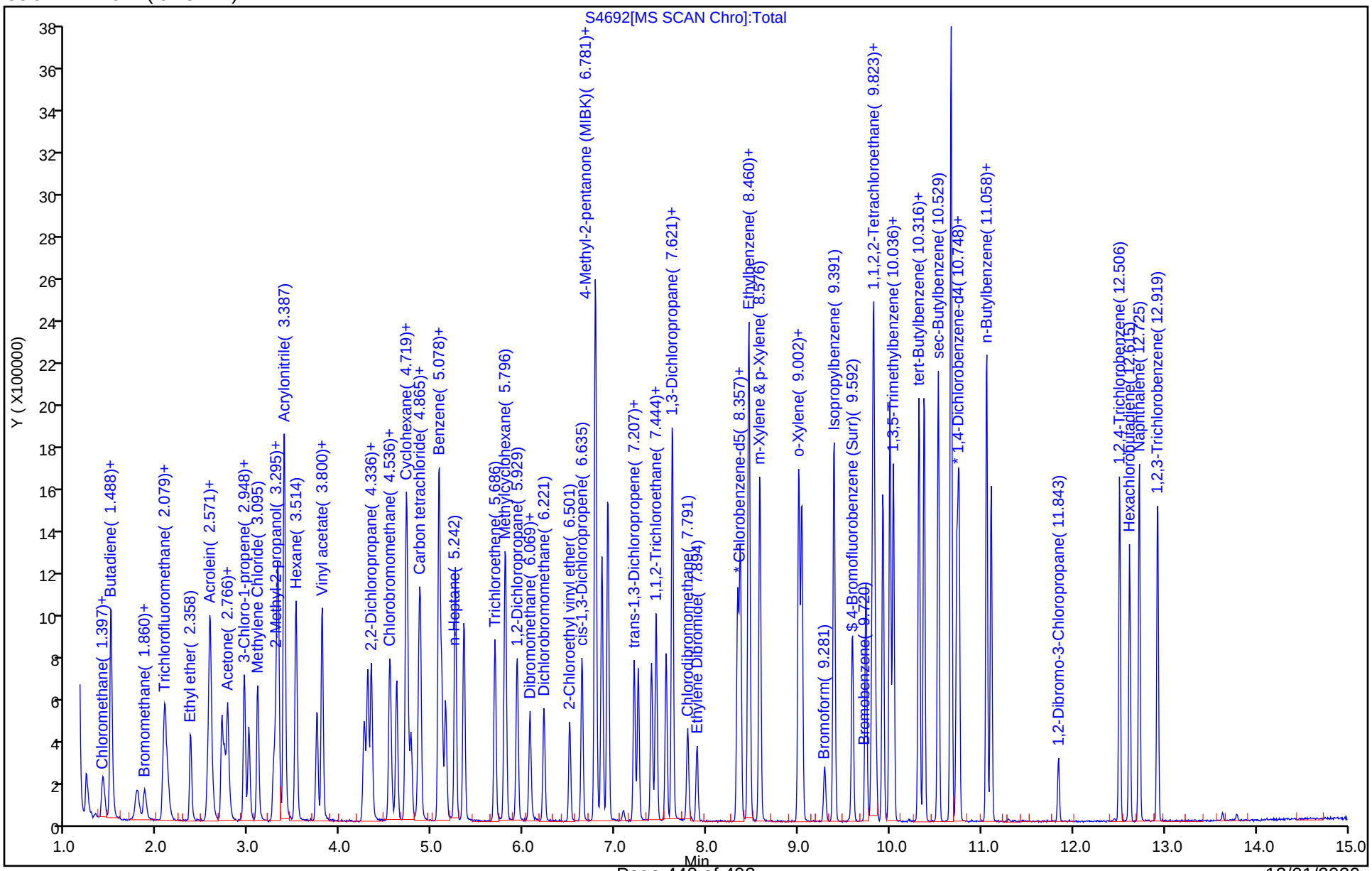
Report Date: 25-Nov-2020 10:05:10 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973S\20201125-95243.b\S4692.D

Injection Date:	25-Nov-2020 08:49:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-560828/4

Matrix: Water Lab File ID: N7754.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 09:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560828 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.4		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.8		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.6		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	29.6		1.0	0.31
75-34-3	1,1-Dichloroethane	26.1		1.0	0.38
75-35-4	1,1-Dichloroethene	27.9		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.4		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	26.5		1.0	0.39
106-93-4	1,2-Dibromoethane	26.2		1.0	0.73
95-50-1	1,2-Dichlorobenzene	25.3		1.0	0.79
107-06-2	1,2-Dichloroethane	24.1		1.0	0.21
78-87-5	1,2-Dichloropropane	25.4		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.2		1.0	0.84
591-78-6	2-Hexanone	126		5.0	1.2
78-93-3	2-Butanone (MEK)	122		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	124		5.0	2.1
67-64-1	Acetone	129		10	3.0
71-43-2	Benzene	25.0		1.0	0.41
75-27-4	Bromodichloromethane	26.1		1.0	0.39
75-25-2	Bromoform	28.2		1.0	0.26
74-83-9	Bromomethane	21.3		1.0	0.69
75-15-0	Carbon disulfide	27.1		1.0	0.19
56-23-5	Carbon tetrachloride	29.2		1.0	0.27
108-90-7	Chlorobenzene	25.5		1.0	0.75
124-48-1	Dibromochloromethane	27.0		1.0	0.32
75-00-3	Chloroethane	24.8		1.0	0.32
67-66-3	Chloroform	23.7		1.0	0.34
74-87-3	Chloromethane	24.1		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.6		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.4		1.0	0.36
110-82-7	Cyclohexane	28.2		1.0	0.18
75-71-8	Dichlorodifluoromethane	23.7		1.0	0.68
100-41-4	Ethylbenzene	26.1		1.0	0.74
98-82-8	Isopropylbenzene	27.3		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-560828/4

Matrix: Water Lab File ID: N7754.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 09:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560828 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	48.2		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.6		1.0	0.16
108-87-2	Methylcyclohexane	28.9		1.0	0.16
75-09-2	Methylene Chloride	26.0		1.0	0.44
100-42-5	Styrene	25.7		1.0	0.73
127-18-4	Tetrachloroethene	26.4		1.0	0.36
108-88-3	Toluene	26.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.5		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	28.2		1.0	0.37
79-01-6	Trichloroethene	25.3		1.0	0.46
75-69-4	Trichlorofluoromethane	27.2		1.0	0.88
75-01-4	Vinyl chloride	24.1		1.0	0.90
1330-20-7	Xylenes, Total	51.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7754.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Nov-2020 09:22:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0095244-004
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2020 10:43:55 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: moffata Date: 25-Nov-2020 10:44:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	148425	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.585	0.000	90	555499	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	300353	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.990	0.000	93	206216	25.0	25.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	95	292629	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	7.089	7.088	0.001	95	738022	25.0	26.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	93	246409	25.0	26.3	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	98	172672	25.0	23.7	
13 Chloromethane	50	1.504	1.498	0.006	99	430304	25.0	24.1	
144 Butadiene	54	1.607	1.601	0.006	97	403032	25.0	27.1	
14 Vinyl chloride	62	1.607	1.607	0.000	52	266300	25.0	24.1	
15 Bromomethane	94	1.917	1.905	0.012	93	119709	25.0	21.3	
16 Chloroethane	64	2.003	2.003	0.000	94	158239	25.0	24.8	
17 Dichlorofluoromethane	67	2.246	2.240	0.006	95	326402	25.0	25.2	
18 Trichlorofluoromethane	101	2.252	2.240	0.012	96	310822	25.0	27.2	
19 Ethyl ether	59	2.538	2.538	0.000	91	282580	25.0	26.0	
20 Acrolein	56	2.727	2.727	0.000	98	147273	125.0	113.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.757	2.757	0.000	91	188127	25.0	29.6	
22 1,1-Dichloroethene	96	2.763	2.763	0.000	90	169486	25.0	27.9	
23 Acetone	43	2.885	2.891	-0.006	97	752112	125.0	128.6	
24 Iodomethane	142	2.933	2.927	0.006	99	335561	25.0	25.6	
25 Carbon disulfide	76	2.964	2.964	0.000	98	522685	25.0	27.1	
27 3-Chloro-1-propene	41	3.146	3.146	0.000	87	688076	25.0	27.2	
28 Methyl acetate	43	3.195	3.189	0.006	99	736946	50.0	48.2	
30 Methylene Chloride	84	3.292	3.292	0.000	87	199117	25.0	26.0	
31 2-Methyl-2-propanol	59	3.469	3.469	0.000	96	409165	250.0	285.4	
32 Methyl tert-butyl ether	73	3.505	3.511	-0.006	92	613014	25.0	25.6	
33 trans-1,2-Dichloroethene	96	3.524	3.530	-0.006	88	196961	25.0	25.5	
34 Acrylonitrile	53	3.584	3.584	0.000	97	1805069	250.0	241.4	
35 Hexane	57	3.724	3.724	0.000	96	537177	25.0	29.9	
36 1,1-Dichloroethane	63	3.949	3.955	-0.006	96	473803	25.0	26.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	4.004	4.004	0.000	96	1940852	50.0	54.2	
42 2,2-Dichloropropane	77	4.479	4.479	0.000	79	222621	25.0	28.6	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	87	217131	25.0	24.6	
44 2-Butanone (MEK)	43	4.546	4.552	-0.006	95	1176585	125.0	121.8	
47 Chlorobromomethane	128	4.752	4.752	0.000	84	124898	25.0	25.4	
49 Tetrahydrofuran	42	4.771	4.771	0.000	91	314903	50.0	45.0	
50 Chloroform	83	4.832	4.831	0.001	94	355989	25.0	23.7	
51 1,1,1-Trichloroethane	97	4.947	4.947	0.000	93	309670	25.0	27.4	
52 Cyclohexane	56	4.947	4.953	-0.006	93	624631	25.0	28.2	
53 Carbon tetrachloride	117	5.081	5.081	0.000	94	285890	25.0	29.2	
54 1,1-Dichloropropene	75	5.099	5.099	-0.207	80	281087	25.0	26.6	a
55 Benzene	78	5.300	5.306	-0.006	92	797358	25.0	25.0	
56 Isobutyl alcohol	43	5.318	5.318	0.000	94	582364	625.0	867.1	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	94	402811	25.0	24.1	
59 n-Heptane	43	5.476	5.476	0.000	94	672076	25.0	28.6	
60 Trichloroethene	95	5.920	5.914	0.006	92	207221	25.0	25.3	
62 Methylcyclohexane	83	6.036	6.036	0.000	90	354379	25.0	28.9	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	86	265166	25.0	25.4	
64 Dibromomethane	93	6.298	6.298	0.000	91	130407	25.0	23.9	
66 1,4-Dioxane	88	6.298	6.304	-0.006	53	53421	500.0	773.4	
67 Dichlorobromomethane	83	6.450	6.450	0.000	94	261408	25.0	26.1	
69 2-Chloroethyl vinyl ether	63	6.724	6.723	0.001	83	185715	25.0	24.8	
71 cis-1,3-Dichloropropene	75	6.870	6.869	0.001	81	318218	25.0	26.4	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	96	690482	125.0	123.8	
73 Toluene	92	7.155	7.155	0.000	96	519510	25.0	26.5	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	90	290649	25.0	28.2	
77 Ethyl methacrylate	69	7.478	7.478	0.000	85	238730	25.0	26.1	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	93	144390	25.0	25.6	
79 Tetrachloroethene	166	7.691	7.691	0.000	95	241839	25.0	26.4	
80 1,3-Dichloropropane	76	7.794	7.794	0.000	86	292889	25.0	24.6	
82 2-Hexanone	43	7.855	7.855	0.000	97	1476224	125.0	125.9	
83 Chlorodibromomethane	129	8.031	8.031	0.000	89	198801	25.0	27.0	
84 Ethylene Dibromide	107	8.135	8.135	0.000	99	190247	25.0	26.2	
85 Chlorobenzene	112	8.616	8.609	0.007	92	590470	25.0	25.5	
88 Ethylbenzene	91	8.701	8.700	0.000	98	956225	25.0	26.1	
89 1,1,1,2-Tetrachloroethane	131	8.713	8.707	0.006	93	220522	25.0	28.4	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	374339	25.0	25.9	
91 o-Xylene	106	9.254	9.254	0.000	97	365909	25.0	26.0	
92 Styrene	104	9.285	9.284	0.000	93	614981	25.0	25.7	
93 Bromoform	173	9.534	9.534	0.000	97	125796	25.0	28.2	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	1002472	25.0	27.3	
97 Bromobenzene	156	9.978	9.978	0.000	84	259207	25.0	25.6	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.033	0.000	94	230298	25.0	24.8	
100 N-Propylbenzene	91	10.051	10.051	0.000	98	1110758	25.0	26.1	
99 1,2,3-Trichloropropane	110	10.069	10.063	0.006	93	72734	25.0	22.1	
101 trans-1,4-Dichloro-2-butene	53	10.076	10.075	0.001	81	121896	25.0	24.1	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	243954	25.0	26.9	
104 1,3,5-Trimethylbenzene	105	10.228	10.227	0.000	96	833376	25.0	26.4	
105 4-Chlorotoluene	91	10.270	10.270	0.000	97	677784	25.0	25.0	
106 tert-Butylbenzene	134	10.544	10.544	0.000	96	195238	25.0	27.1	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	842673	25.0	26.3	
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	1062683	25.0	28.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	71	494687	25.0	25.3	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	97	943094	25.0	27.2	
113 1,4-Dichlorobenzene	146	10.982	10.982	0.000	94	495043	25.0	25.2	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	788143	25.0	26.8	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	492869	25.0	25.3	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.053	0.006	76	42602	25.0	26.5	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	366968	25.0	26.4	
120 Hexachlorobutadiene	225	12.838	12.837	0.001	97	171141	25.0	28.4	
121 Naphthalene	128	12.947	12.947	0.000	97	940887	25.0	24.9	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	97	347361	25.0	26.1	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

GAS CORP mix_00429	Amount Added:	12.50	Units: uL	
8260 CORP mix_00198	Amount Added:	12.50	Units: uL	
N 8260 IS_00202	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent

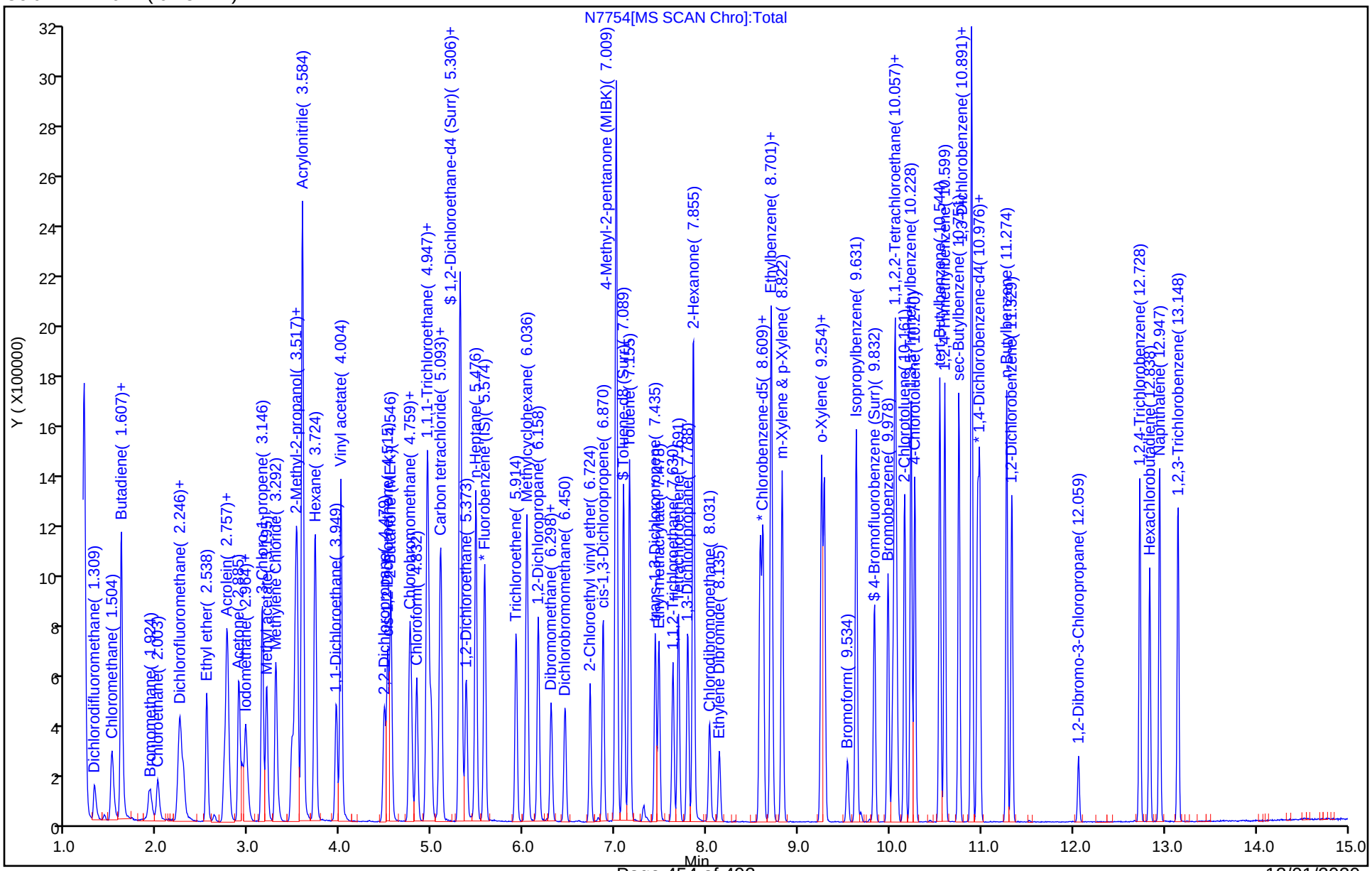
Report Date: 25-Nov-2020 10:44:02 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7754.D

Injection Date:	25-Nov-2020 09:22:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-560877/5

Matrix: Water Lab File ID: T9268.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 11:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560877 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.3		1.0	0.21
79-00-5	1,1,2-Trichloroethane	27.4		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	28.8		1.0	0.31
75-34-3	1,1-Dichloroethane	25.5		1.0	0.38
75-35-4	1,1-Dichloroethene	28.2		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.7		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	22.8		1.0	0.39
106-93-4	1,2-Dibromoethane	28.1		1.0	0.73
95-50-1	1,2-Dichlorobenzene	27.0		1.0	0.79
107-06-2	1,2-Dichloroethane	28.0		1.0	0.21
78-87-5	1,2-Dichloropropane	29.4		1.0	0.72
541-73-1	1,3-Dichlorobenzene	28.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	27.9		1.0	0.84
591-78-6	2-Hexanone	131		5.0	1.2
78-93-3	2-Butanone (MEK)	139		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	124		5.0	2.1
67-64-1	Acetone	111		10	3.0
71-43-2	Benzene	27.8		1.0	0.41
75-27-4	Bromodichloromethane	29.5		1.0	0.39
75-25-2	Bromoform	28.9		1.0	0.26
74-83-9	Bromomethane	26.3		1.0	0.69
75-15-0	Carbon disulfide	21.1		1.0	0.19
56-23-5	Carbon tetrachloride	26.0		1.0	0.27
108-90-7	Chlorobenzene	27.8		1.0	0.75
124-48-1	Dibromochloromethane	28.6		1.0	0.32
75-00-3	Chloroethane	24.8		1.0	0.32
67-66-3	Chloroform	25.6		1.0	0.34
74-87-3	Chloromethane	27.9		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	28.9		1.0	0.36
110-82-7	Cyclohexane	22.3		1.0	0.18
75-71-8	Dichlorodifluoromethane	23.9		1.0	0.68
100-41-4	Ethylbenzene	26.7		1.0	0.74
98-82-8	Isopropylbenzene	25.9		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-560877/5

Matrix: Water Lab File ID: T9268.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 11:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560877 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	53.0		2.5	1.3
1634-04-4	Methyl tert-butyl ether	19.8		1.0	0.16
108-87-2	Methylcyclohexane	23.3		1.0	0.16
75-09-2	Methylene Chloride	26.3		1.0	0.44
100-42-5	Styrene	27.6		1.0	0.73
127-18-4	Tetrachloroethene	28.8		1.0	0.36
108-88-3	Toluene	26.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.5		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	27.0		1.0	0.37
79-01-6	Trichloroethene	28.8		1.0	0.46
75-69-4	Trichlorofluoromethane	20.4		1.0	0.88
75-01-4	Vinyl chloride	23.7		1.0	0.90
1330-20-7	Xylenes, Total	53.0		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
2037-26-5	Toluene-d8 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9268.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Nov-2020 11:51:30 ALS Bottle#: 25 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0095257-005
Operator ID: LH Instrument ID: HP5975T

Method: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2020 12:57:18 Calib Date: 10-Oct-2020 20:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975T\20201010-94036.b\T7423.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: HillL Date: 25-Nov-2020 12:57:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.597	4.597	0.000	98	174763	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.877	6.887	-0.010	87	667855	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.742	8.742	0.000	95	351661	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.131	4.141	-0.010	92	207164	25.0	26.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.379	4.379	0.000	0	289671	25.0	26.5	
$ 6 Toluene-d8 (Surr)	98	5.768	5.768	0.000	93	839257	25.0	26.1	
$ 7 4-Bromofluorobenzene (Surr)	174	7.809	7.809	0.000	0	245603	25.0	26.3	
11 Dichlorodifluoromethane	85	1.105	1.094	0.011	99	276906	25.0	23.9	
13 Chloromethane	50	1.250	1.250	0.000	98	544007	25.0	27.9	
14 Vinyl chloride	62	1.322	1.312	0.010	97	380243	25.0	23.7	
151 Butadiene	54	1.333	1.322	0.010	83	418579	25.0	25.6	
15 Bromomethane	94	1.581	1.571	0.010	92	197142	25.0	26.3	
16 Chloroethane	64	1.643	1.633	0.010	99	209006	25.0	24.8	
18 Dichlorofluoromethane	67	1.830	1.820	0.010	95	441543	25.0	23.6	
17 Trichlorofluoromethane	101	1.830	1.820	0.010	68	330730	25.0	20.4	
19 Ethyl ether	59	2.058	2.058	0.000	97	294595	25.0	26.7	
21 Acrolein	56	2.244	2.224	0.020	100	154471	125.0	90.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.276	2.276	0.011	76	267932	25.0	28.8	M
22 1,1-Dichloroethene	96	2.286	2.286	0.010	92	240367	25.0	28.2	M
23 Acetone	43	2.369	2.358	0.011	99	623421	125.0	110.8	
24 Iodomethane	142	2.431	2.421	0.010	99	427560	25.0	26.9	
25 Carbon disulfide	76	2.462	2.441	0.021	99	658222	25.0	21.1	
27 3-Chloro-1-propene	41	2.597	2.597	0.000	90	424430	25.0	20.4	
28 Methyl acetate	43	2.628	2.628	0.000	99	710394	50.0	53.0	
30 Methylene Chloride	84	2.742	2.731	0.011	96	263799	25.0	26.3	
31 2-Methyl-2-propanol	59	2.877	2.877	0.000	94	478594	250.0	196.6	
33 Methyl tert-butyl ether	73	2.918	2.918	0.000	98	624711	25.0	19.8	
32 trans-1,2-Dichloroethene	96	2.928	2.918	0.010	93	253712	25.0	26.5	
34 Acrylonitrile	53	2.970	2.970	0.000	98	1810592	250.0	252.1	
35 Hexane	57	3.084	3.073	0.011	91	524383	25.0	26.1	
36 1,1-Dichloroethane	63	3.281	3.281	0.000	96	539087	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.322	3.322	0.000	97	1666784	50.0	61.5	
42 2,2-Dichloropropane	77	3.716	3.716	0.000	93	240312	25.0	16.3	
43 cis-1,2-Dichloroethene	96	3.747	3.747	0.000	84	286873	25.0	26.9	
44 2-Butanone (MEK)	43	3.778	3.768	0.010	99	1210562	125.0	138.6	
47 Chlorobromomethane	128	3.944	3.944	0.000	94	155896	25.0	29.0	
48 Tetrahydrofuran	42	3.944	3.944	0.000	94	309284	50.0	48.3	
50 Chloroform	83	4.006	4.006	0.000	96	446507	25.0	25.6	
51 1,1,1-Trichloroethane	97	4.099	4.089	0.010	84	322142	25.0	22.0	
52 Cyclohexane	56	4.099	4.089	0.010	91	539521	25.0	22.3	
53 Carbon tetrachloride	117	4.203	4.203	0.000	96	347700	25.0	26.0	
54 1,1-Dichloropropene	75	4.213	4.213	0.000	93	385822	25.0	27.4	
55 Benzene	78	4.379	4.379	0.000	96	1065404	25.0	27.8	
56 Isobutyl alcohol	43	4.400	4.400	0.000	93	566388	625.0	594.5	
57 1,2-Dichloroethane	62	4.431	4.431	0.000	96	484954	25.0	28.0	
59 n-Heptane	43	4.514	4.514	0.000	96	614523	25.0	26.8	
60 Trichloroethene	95	4.866	4.856	0.010	95	288856	25.0	28.8	
62 Methylcyclohexane	83	4.949	4.949	0.000	97	407194	25.0	23.3	
63 1,2-Dichloropropane	63	5.053	5.053	0.000	96	347973	25.0	29.4	
65 Dibromomethane	93	5.156	5.156	0.000	97	192186	25.0	31.3	
66 1,4-Dioxane	88	5.167	5.156	0.011	46	81056	500.0	407.9	
67 Dichlorobromomethane	83	5.281	5.281	0.000	97	354707	25.0	29.5	
69 2-Chloroethyl vinyl ether	63	5.488	5.488	0.000	91	241692	25.0	26.4	
71 cis-1,3-Dichloropropene	75	5.592	5.592	0.000	93	463423	25.0	28.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.706	5.706	0.000	97	2434652	125.0	124.0	
73 Toluene	92	5.809	5.809	0.000	98	720514	25.0	26.5	
75 trans-1,3-Dichloropropene	75	6.027	6.027	0.000	96	451658	25.0	27.0	
77 Ethyl methacrylate	69	6.058	6.058	0.000	94	419407	25.0	27.1	
78 1,1,2-Trichloroethane	83	6.172	6.172	0.000	95	233423	25.0	27.4	
79 Tetrachloroethene	166	6.214	6.213	0.001	95	307184	25.0	28.8	
80 1,3-Dichloropropane	76	6.296	6.296	0.000	94	494191	25.0	27.3	
81 2-Hexanone	43	6.338	6.338	0.000	97	1841003	125.0	131.5	
82 Chlorodibromomethane	129	6.473	6.473	0.000	90	295178	25.0	28.6	
83 Ethylene Dibromide	107	6.555	6.545	0.010	98	300992	25.0	28.1	
86 Chlorobenzene	112	6.908	6.908	0.000	94	816772	25.0	27.8	
88 Ethylbenzene	91	6.970	6.970	0.000	99	1345165	25.0	26.7	
89 1,1,1,2-Tetrachloroethane	131	6.980	6.980	0.000	93	266549	25.0	25.6	
90 m-Xylene & p-Xylene	106	7.053	7.053	0.000	0	538184	25.0	27.1	
91 o-Xylene	106	7.374	7.374	0.000	98	506148	25.0	25.9	
92 Styrene	104	7.395	7.395	0.000	95	878558	25.0	27.6	
93 Bromoform	173	7.592	7.592	0.000	96	180641	25.0	28.9	
95 Isopropylbenzene	105	7.654	7.654	0.000	97	1324351	25.0	25.9	
97 Bromobenzene	156	7.934	7.934	0.000	96	335001	25.0	28.1	
98 1,1,2,2-Tetrachloroethane	83	7.975	7.975	0.000	96	392714	25.0	26.3	
99 N-Propylbenzene	91	7.986	7.986	0.000	99	1629699	25.0	27.0	
100 1,2,3-Trichloropropane	110	7.996	7.996	0.000	89	131575	25.0	26.6	
101 trans-1,4-Dichloro-2-butene	53	8.006	8.006	0.000	77	138301	25.0	19.5	
105 2-Chlorotoluene	126	8.068	8.068	0.000	96	327904	25.0	26.8	
104 1,3,5-Trimethylbenzene	105	8.131	8.131	0.000	94	1156552	25.0	26.7	
102 4-Chlorotoluene	91	8.162	8.162	0.000	99	1134592	25.0	26.7	
106 tert-Butylbenzene	134	8.390	8.390	0.000	93	249815	25.0	27.3	
107 1,2,4-Trimethylbenzene	105	8.431	8.431	0.000	97	1167561	25.0	26.5	
109 sec-Butylbenzene	105	8.566	8.566	0.000	94	1458490	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 4-Isopropyltoluene	119	8.680	8.680	0.000	97	1292153	25.0	26.6	
110 1,3-Dichlorobenzene	146	8.680	8.680	0.000	72	682432	25.0	28.3	
113 1,4-Dichlorobenzene	146	8.763	8.763	0.000	94	688878	25.0	27.9	
115 n-Butylbenzene	91	9.022	9.022	0.000	98	1148304	25.0	26.5	
116 1,2-Dichlorobenzene	146	9.063	9.063	0.000	97	667903	25.0	27.0	
117 1,2-Dibromo-3-Chloropropane	75	9.737	9.737	0.000	80	75424	25.0	22.8	
119 1,2,4-Trichlorobenzene	180	10.379	10.379	0.000	94	458288	25.0	26.7	
120 Hexachlorobutadiene	225	10.483	10.483	0.000	97	208743	25.0	27.0	
121 Naphthalene	128	10.587	10.587	0.000	97	1333002	25.0	25.0	
122 1,2,3-Trichlorobenzene	180	10.794	10.794	0.000	97	439764	25.0	25.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00195	Amount Added:	12.50	Units: uL	
GAS CORP mix_00429	Amount Added:	12.50	Units: uL	
T_8260_Surr_00211	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00250	Amount Added:	1.00	Units: uL	Run Reagent

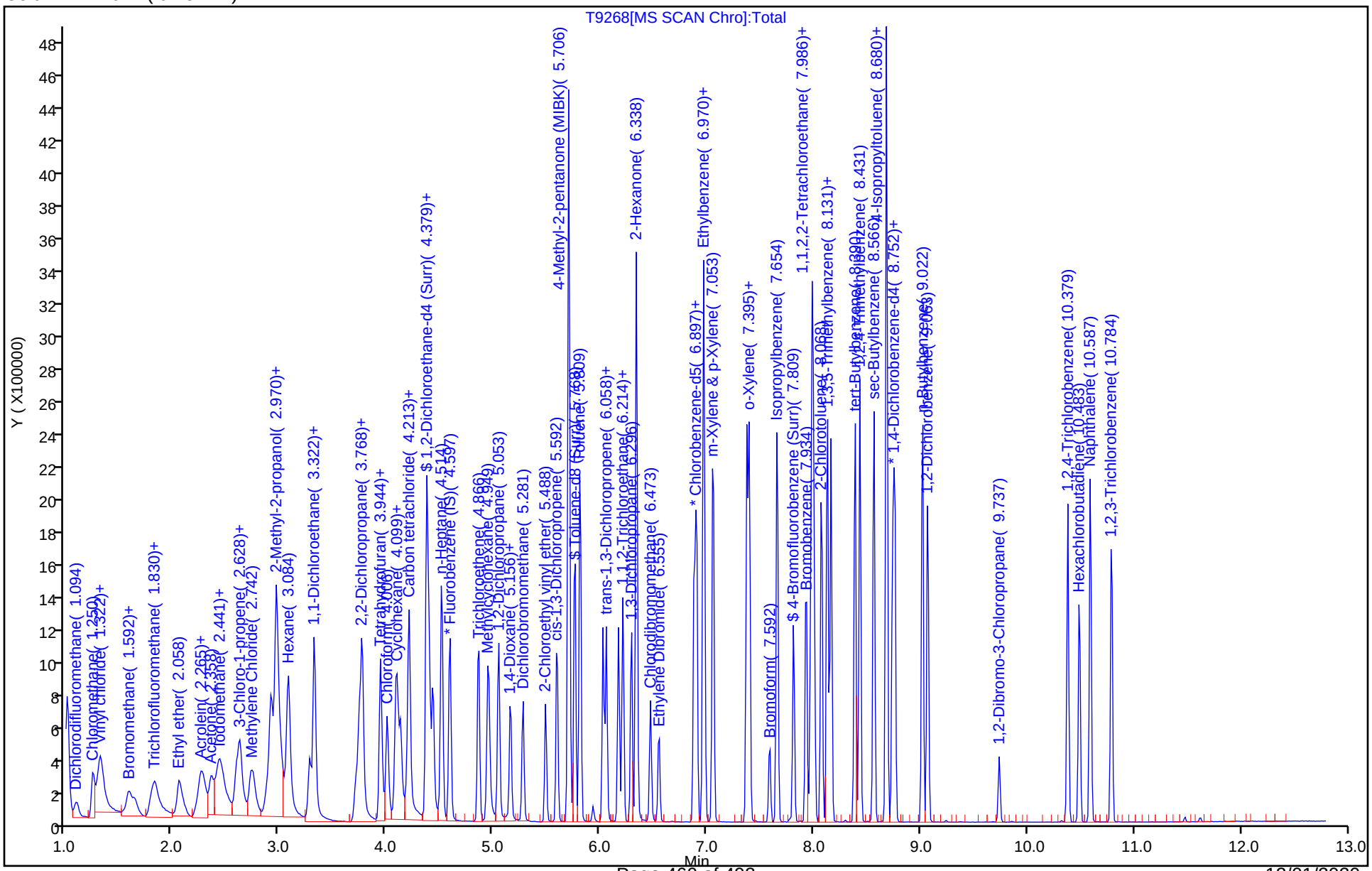
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975T\20201125-95257.b\T9268.D

Injection Date:	25-Nov-2020 11:51:30	Instrument ID:	HP5975T	Operator ID:	LH
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

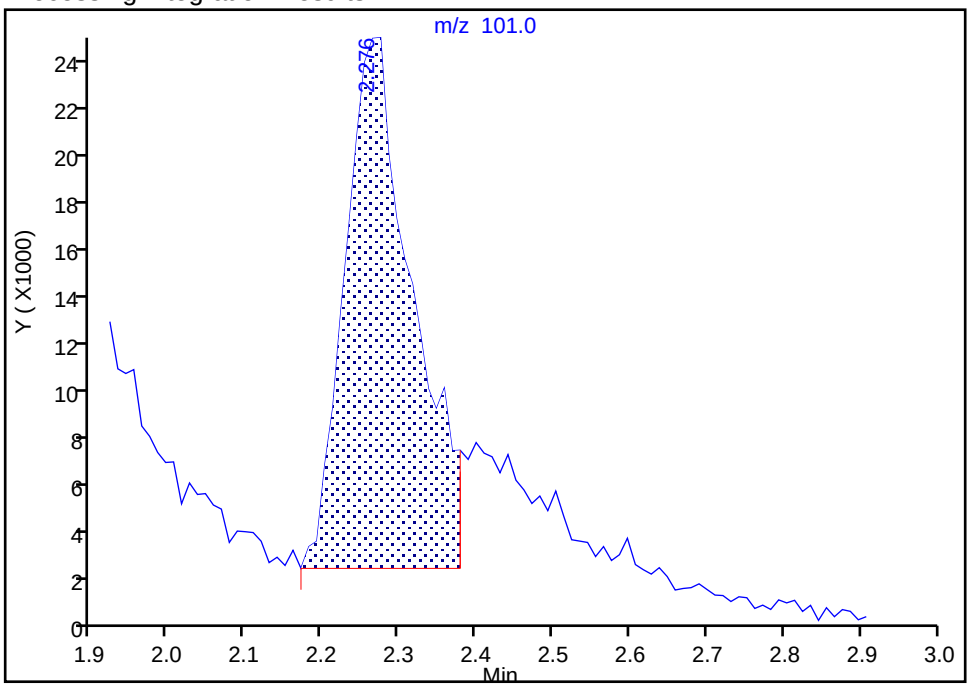
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Injection Date: 25-Nov-2020 11:51:30 Instrument ID: HP5975T
Lims ID: LCS
Client ID:
Operator ID: LH ALS Bottle#: 25 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

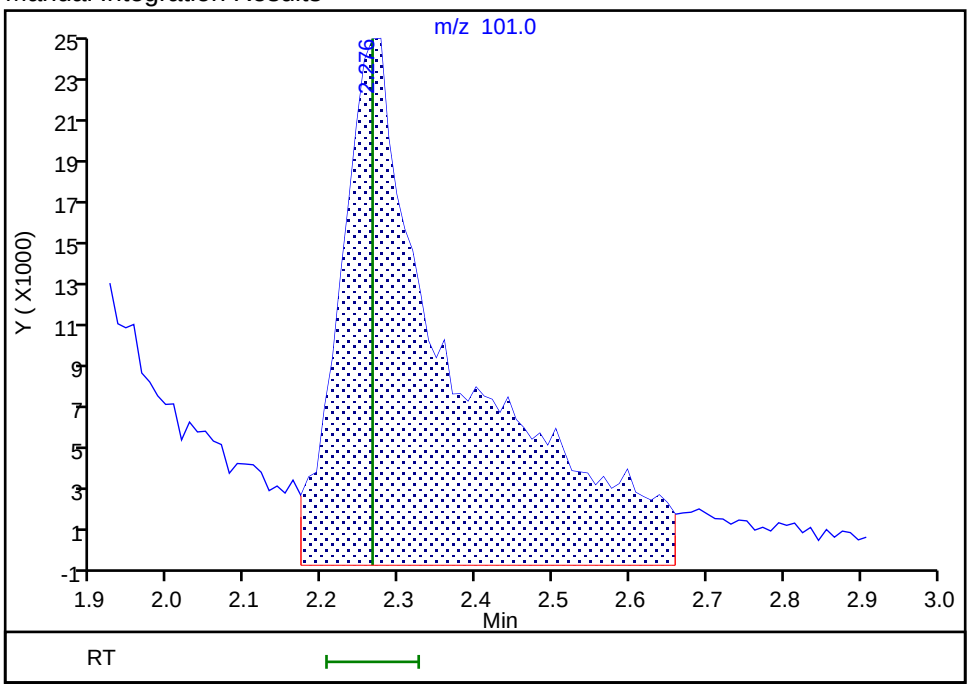
Processing Integration Results

RT: 2.28
Area: 134942
Amount: 14.515527
Amount Units: ug/L



Manual Integration Results

RT: 2.28
Area: 267932
Amount: 28.821079
Amount Units: ug/L



Reviewer: HillL, 25-Nov-2020 12:56:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

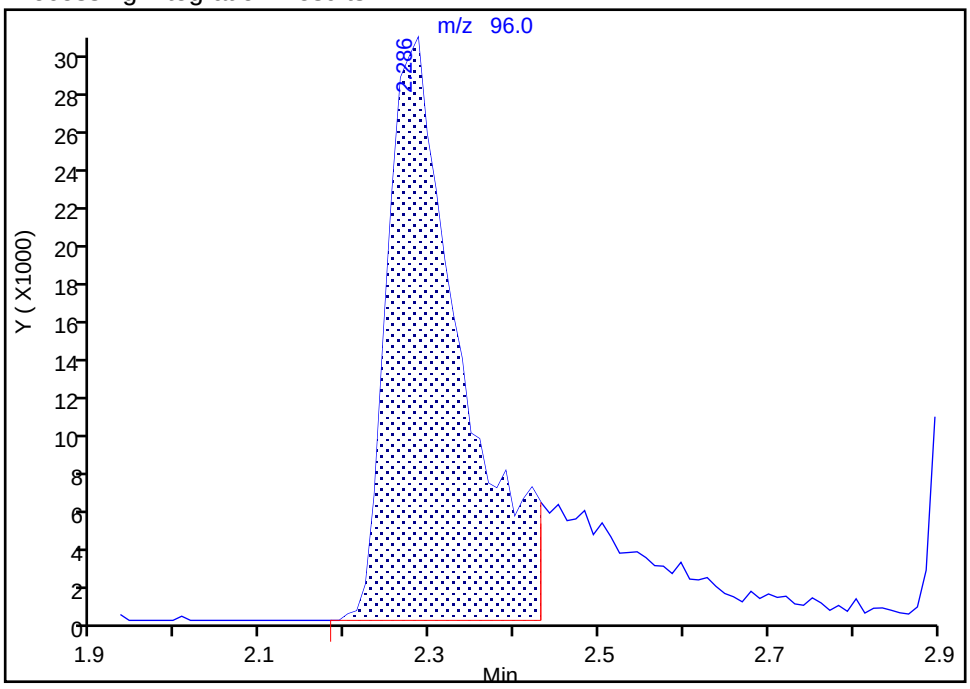
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Injection Date: 25-Nov-2020 11:51:30 Instrument ID: HP5975T
Lims ID: LCS
Client ID:
Operator ID: LH ALS Bottle#: 25 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

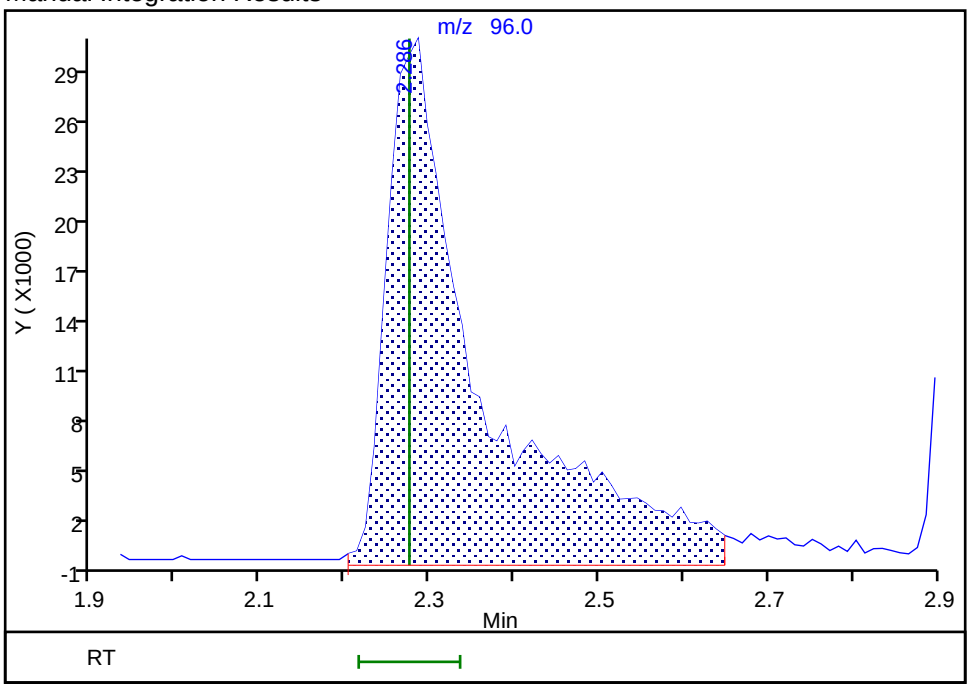
Processing Integration Results

RT: 2.29
Area: 183810
Amount: 21.542568
Amount Units: ug/L



Manual Integration Results

RT: 2.29
Area: 240367
Amount: 28.171060
Amount Units: ug/L



Reviewer: HillL, 25-Nov-2020 12:56:25
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-26S MS Lab Sample ID: 480-178383-1 MS

Matrix: Water Lab File ID: N7776.D

Analysis Method: 8260C Date Collected: 11/17/2020 08:50

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 18:35

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560828 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	518		20	16
79-34-5	1,1,2,2-Tetrachloroethane	470		20	4.2
79-00-5	1,1,2-Trichloroethane	466		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	540		20	6.2
75-34-3	1,1-Dichloroethane	491		20	7.6
75-35-4	1,1-Dichloroethene	518		20	5.8
120-82-1	1,2,4-Trichlorobenzene	467		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	485		20	7.8
106-93-4	1,2-Dibromoethane	473		20	15
95-50-1	1,2-Dichlorobenzene	467		20	16
107-06-2	1,2-Dichloroethane	459		20	4.2
78-87-5	1,2-Dichloropropane	464		20	14
541-73-1	1,3-Dichlorobenzene	454		20	16
106-46-7	1,4-Dichlorobenzene	452		20	17
591-78-6	2-Hexanone	2400		100	25
78-93-3	2-Butanone (MEK)	2440		200	26
108-10-1	4-Methyl-2-pentanone (MIBK)	2420		100	42
67-64-1	Acetone	2460		200	60
71-43-2	Benzene	462		20	8.2
75-27-4	Bromodichloromethane	467		20	7.8
75-25-2	Bromoform	486		20	5.2
74-83-9	Bromomethane	448		20	14
75-15-0	Carbon disulfide	529		20	3.8
56-23-5	Carbon tetrachloride	547		20	5.4
108-90-7	Chlorobenzene	463		20	15
124-48-1	Dibromochloromethane	483		20	6.4
75-00-3	Chloroethane	496		20	6.4
67-66-3	Chloroform	447		20	6.8
74-87-3	Chloromethane	488		20	7.0
156-59-2	cis-1,2-Dichloroethene	480		20	16
10061-01-5	cis-1,3-Dichloropropene	468		20	7.2
110-82-7	Cyclohexane	528		20	3.6
75-71-8	Dichlorodifluoromethane	504		20	14
100-41-4	Ethylbenzene	475		20	15
98-82-8	Isopropylbenzene	486		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-26S MS Lab Sample ID: 480-178383-1 MS

Matrix: Water Lab File ID: N7776.D

Analysis Method: 8260C Date Collected: 11/17/2020 08:50

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 18:35

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560828 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	957		50	26
1634-04-4	Methyl tert-butyl ether	465		20	3.2
108-87-2	Methylcyclohexane	528		20	3.2
75-09-2	Methylene Chloride	501		20	8.8
100-42-5	Styrene	467		20	15
127-18-4	Tetrachloroethene	1150		20	7.2
108-88-3	Toluene	482		20	10
156-60-5	trans-1,2-Dichloroethene	477		20	18
10061-02-6	trans-1,3-Dichloropropene	498		20	7.4
79-01-6	Trichloroethene	496		20	9.2
75-69-4	Trichlorofluoromethane	571		20	18
75-01-4	Vinyl chloride	501		20	18
1330-20-7	Xylenes, Total	940		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
2037-26-5	Toluene-d8 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7776.D
Lims ID: 480-178383-B-1 MS
Client ID: MW-26S
Sample Type: MS
Inject. Date: 25-Nov-2020 18:35:30 ALS Bottle#: 18 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-178383-B-1 MS
Misc. Info.: 480-0095244-026
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Nov-2020 10:35:17 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: HillL Date: 26-Nov-2020 10:36:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.580	5.574	0.006	97	138800	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.585	0.000	90	529809	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	94	289322	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	67	281797	25.0	26.2	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	704691	25.0	26.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	93	237008	25.0	26.6	
11 Dichlorodifluoromethane	85	1.315	1.309	0.006	97	171393	25.0	25.2	
13 Chloromethane	50	1.504	1.498	0.006	99	406728	25.0	24.4	
14 Vinyl chloride	62	1.607	1.607	0.000	52	258260	25.0	25.0	
15 Bromomethane	94	1.911	1.905	0.006	93	117535	25.0	22.4	
16 Chloroethane	64	2.009	2.003	0.006	93	147951	25.0	24.8	
18 Trichlorofluoromethane	101	2.240	2.240	0.000	57	304663	25.0	28.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.763	2.757	0.006	60	160824	25.0	27.0	
22 1,1-Dichloroethene	96	2.763	2.763	0.000	88	147432	25.0	25.9	
23 Acetone	43	2.891	2.891	0.000	97	673237	125.0	123.1	
25 Carbon disulfide	76	2.964	2.964	0.000	97	477132	25.0	26.4	
28 Methyl acetate	43	3.195	3.189	0.006	99	684779	50.0	47.9	
30 Methylene Chloride	84	3.298	3.292	0.006	86	179765	25.0	25.1	
32 Methyl tert-butyl ether	73	3.511	3.511	0.000	89	520621	25.0	23.3	
33 trans-1,2-Dichloroethene	96	3.530	3.530	0.000	88	172463	25.0	23.8	
36 1,1-Dichloroethane	63	3.955	3.955	0.000	96	415663	25.0	24.5	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	88	198265	25.0	24.0	
44 2-Butanone (MEK)	43	4.552	4.552	0.000	95	1103388	125.0	122.1	
50 Chloroform	83	4.831	4.831	0.000	93	313635	25.0	22.4	
51 1,1,1-Trichloroethane	97	4.947	4.947	0.000	95	273211	25.0	25.9	
52 Cyclohexane	56	4.953	4.953	0.000	94	547689	25.0	26.4	
53 Carbon tetrachloride	117	5.087	5.081	0.006	94	249946	25.0	27.3	
55 Benzene	78	5.306	5.306	0.000	85	689780	25.0	23.1	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	94	359086	25.0	23.0	
60 Trichloroethene	95	5.920	5.914	0.006	92	189923	25.0	24.8	
62 Methylcyclohexane	83	6.036	6.036	0.000	91	302754	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	6.158	6.158	0.000	84	226443	25.0	23.2	
67 Dichlorobromomethane	83	6.450	6.450	0.000	94	219053	25.0	23.4	
71 cis-1,3-Dichloropropene	75	6.869	6.869	0.000	79	263275	25.0	23.4	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	97	643031	125.0	120.9	
73 Toluene	92	7.155	7.155	0.000	96	451657	25.0	24.1	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	89	244779	25.0	24.9	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	93	125289	25.0	23.3	
79 Tetrachloroethene	166	7.691	7.691	0.000	95	501209	25.0	57.5	
82 2-Hexanone	43	7.855	7.855	0.000	97	1342713	125.0	120.1	
83 Chlorodibromomethane	129	8.031	8.031	0.000	90	169429	25.0	24.1	
84 Ethylene Dibromide	107	8.135	8.135	0.000	97	164051	25.0	23.7	
85 Chlorobenzene	112	8.609	8.609	0.000	93	511745	25.0	23.2	
88 Ethylbenzene	91	8.701	8.700	0.000	97	829386	25.0	23.8	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	321428		23.3	
91 o-Xylene	106	9.254	9.254	0.000	97	318231		23.7	
92 Styrene	104	9.285	9.284	0.000	92	532720	25.0	23.4	
93 Bromoform	173	9.534	9.534	0.000	95	103192	25.0	24.3	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	860359	25.0	24.3	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.033	0.000	96	210442	25.0	23.5	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	71	427039	25.0	22.7	
113 1,4-Dichlorobenzene	146	10.982	10.982	0.000	95	427553	25.0	22.6	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	438545	25.0	23.4	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.053	0.006	76	37510	25.0	24.2	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	312354	25.0	23.3	
S 126 Xylenes, Total	1				0			47.0	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00429	Amount Added:	12.50	Units: uL	
8260 CORP mix_00198	Amount Added:	12.50	Units: uL	
N 8260 IS_00202	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent

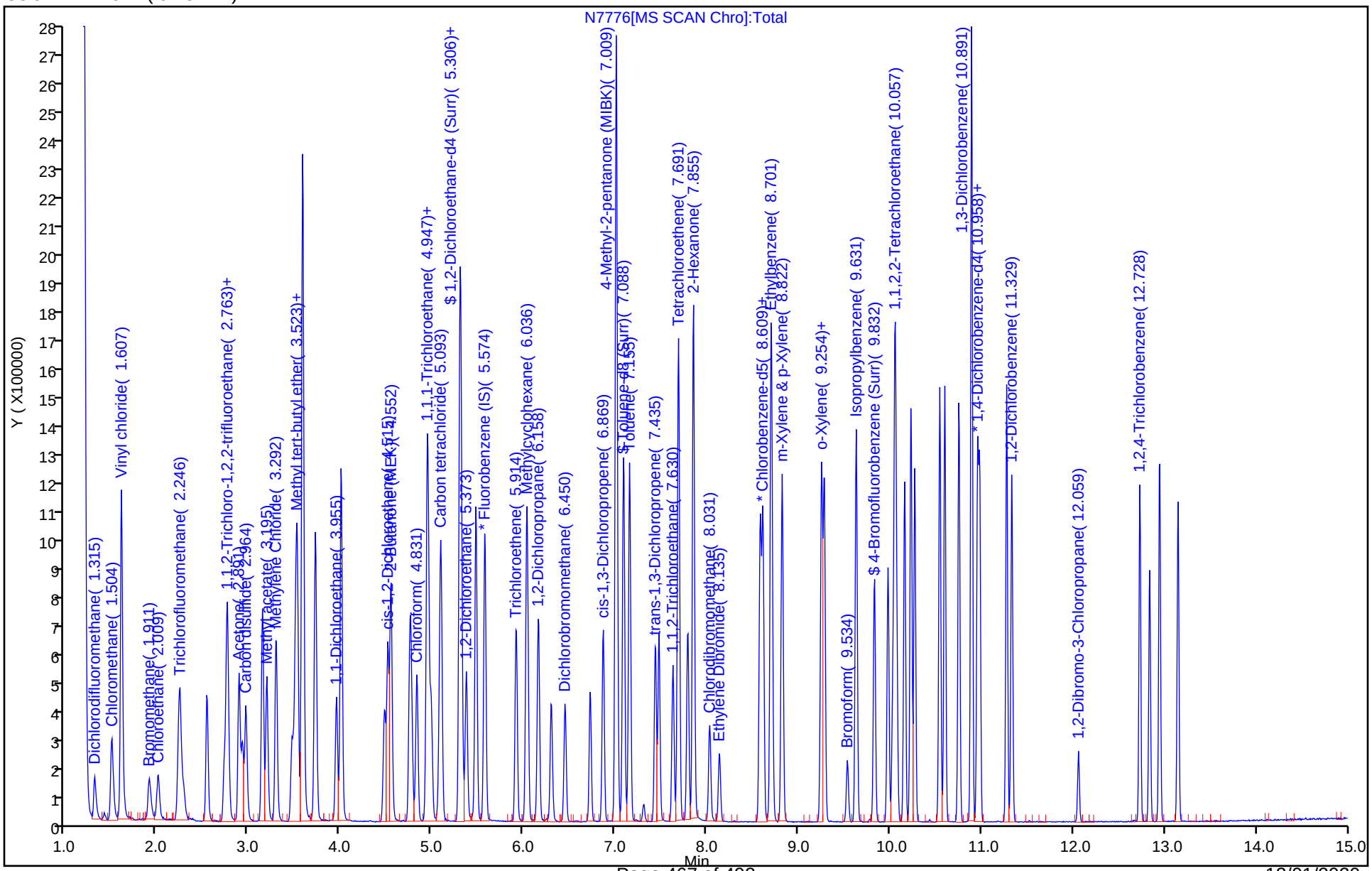
Report Date: 26-Nov-2020 10:36:22 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7776.D

Injection Date:	25-Nov-2020 18:35:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-178383-B-1 MS			Worklist Smp#:	26
Client ID:	MW-26S				
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	18
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-26S MSD Lab Sample ID: 480-178383-1 MSD

Matrix: Water Lab File ID: N7777.D

Analysis Method: 8260C Date Collected: 11/17/2020 08:50

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 18:59

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560828 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	493		20	16
79-34-5	1,1,2,2-Tetrachloroethane	445		20	4.2
79-00-5	1,1,2-Trichloroethane	441		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	531		20	6.2
75-34-3	1,1-Dichloroethane	469		20	7.6
75-35-4	1,1-Dichloroethene	506		20	5.8
120-82-1	1,2,4-Trichlorobenzene	455		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	478		20	7.8
106-93-4	1,2-Dibromoethane	454		20	15
95-50-1	1,2-Dichlorobenzene	450		20	16
107-06-2	1,2-Dichloroethane	442		20	4.2
78-87-5	1,2-Dichloropropane	450		20	14
541-73-1	1,3-Dichlorobenzene	431		20	16
106-46-7	1,4-Dichlorobenzene	429		20	17
591-78-6	2-Hexanone	2290		100	25
78-93-3	2-Butanone (MEK)	2290		200	26
108-10-1	4-Methyl-2-pentanone (MIBK)	2280		100	42
67-64-1	Acetone	2340		200	60
71-43-2	Benzene	453		20	8.2
75-27-4	Bromodichloromethane	458		20	7.8
75-25-2	Bromoform	486		20	5.2
74-83-9	Bromomethane	435		20	14
75-15-0	Carbon disulfide	505		20	3.8
56-23-5	Carbon tetrachloride	509		20	5.4
108-90-7	Chlorobenzene	440		20	15
124-48-1	Dibromochloromethane	465		20	6.4
75-00-3	Chloroethane	488		20	6.4
67-66-3	Chloroform	417		20	6.8
74-87-3	Chloromethane	483		20	7.0
156-59-2	cis-1,2-Dichloroethene	463		20	16
10061-01-5	cis-1,3-Dichloropropene	460		20	7.2
110-82-7	Cyclohexane	513		20	3.6
75-71-8	Dichlorodifluoromethane	490		20	14
100-41-4	Ethylbenzene	444		20	15
98-82-8	Isopropylbenzene	472		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Client Sample ID: MW-26S MSD Lab Sample ID: 480-178383-1 MSD

Matrix: Water Lab File ID: N7777.D

Analysis Method: 8260C Date Collected: 11/17/2020 08:50

Sample wt/vol: 5(mL) Date Analyzed: 11/25/2020 18:59

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 560828 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	908		50	26
1634-04-4	Methyl tert-butyl ether	453		20	3.2
108-87-2	Methylcyclohexane	528		20	3.2
75-09-2	Methylene Chloride	459		20	8.8
100-42-5	Styrene	444		20	15
127-18-4	Tetrachloroethene	1110		20	7.2
108-88-3	Toluene	458		20	10
156-60-5	trans-1,2-Dichloroethene	465		20	18
10061-02-6	trans-1,3-Dichloropropene	468		20	7.4
79-01-6	Trichloroethene	485		20	9.2
75-69-4	Trichlorofluoromethane	548		20	18
75-01-4	Vinyl chloride	486		20	18
1330-20-7	Xylenes, Total	907		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
2037-26-5	Toluene-d8 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7777.D
Lims ID: 480-178383-B-1 MSD
Client ID: MW-26S
Sample Type: MSD
Inject. Date: 25-Nov-2020 18:59:30 ALS Bottle#: 19 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-178383-B-1 MSD
Misc. Info.: 480-0095244-027
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Nov-2020 10:35:17 Calib Date: 18-Nov-2020 16:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20201118-95054.b\N7396.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: HillL Date: 26-Nov-2020 10:36:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	139844	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.585	0.000	90	535960	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	94	290515	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	67	280200	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	712567	25.0	26.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	92	234630	25.0	26.0	
11 Dichlorodifluoromethane	85	1.315	1.309	0.006	97	167772	25.0	24.5	
13 Chloromethane	50	1.504	1.498	0.006	99	405559	25.0	24.1	
14 Vinyl chloride	62	1.607	1.607	0.000	51	252594	25.0	24.3	
15 Bromomethane	94	1.911	1.905	0.006	93	115028	25.0	21.8	
16 Chloroethane	64	2.009	2.003	0.006	93	146613	25.0	24.4	
18 Trichlorofluoromethane	101	2.240	2.240	0.000	71	294713	25.0	27.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.757	2.757	0.000	61	159094	25.0	26.5	
22 1,1-Dichloroethene	96	2.763	2.763	0.000	89	145092	25.0	25.3	
23 Acetone	43	2.891	2.891	0.000	97	645890	125.0	117.2	
25 Carbon disulfide	76	2.964	2.964	0.000	97	458490	25.0	25.2	
28 Methyl acetate	43	3.195	3.189	0.006	99	654644	50.0	45.4	
30 Methylene Chloride	84	3.298	3.292	0.006	85	166048	25.0	22.9	
32 Methyl tert-butyl ether	73	3.511	3.511	0.000	90	511016	25.0	22.7	
33 trans-1,2-Dichloroethene	96	3.529	3.530	-0.001	87	169513	25.0	23.3	
36 1,1-Dichloroethane	63	3.955	3.955	0.000	96	400530	25.0	23.5	
43 cis-1,2-Dichloroethene	96	4.521	4.515	0.006	88	192774	25.0	23.1	
44 2-Butanone (MEK)	43	4.552	4.552	0.000	95	1041076	125.0	114.4	
50 Chloroform	83	4.831	4.831	0.000	93	294459	25.0	20.8	
51 1,1,1-Trichloroethane	97	4.947	4.947	0.000	95	262085	25.0	24.6	
52 Cyclohexane	56	4.953	4.953	0.000	94	535897	25.0	25.6	
53 Carbon tetrachloride	117	5.081	5.081	0.000	94	234317	25.0	25.4	
55 Benzene	78	5.306	5.306	0.000	85	680515	25.0	22.6	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	94	347663	25.0	22.1	
60 Trichloroethene	95	5.920	5.914	0.006	92	187280	25.0	24.3	
62 Methylcyclohexane	83	6.036	6.036	0.000	90	304926	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	6.158	6.158	0.000	85	221347	25.0	22.5	
67 Dichlorobromomethane	83	6.456	6.450	0.006	94	216521	25.0	22.9	
71 cis-1,3-Dichloropropene	75	6.869	6.869	0.000	79	260689	25.0	23.0	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	97	613327	125.0	114.0	
73 Toluene	92	7.155	7.155	0.000	96	433623	25.0	22.9	
75 trans-1,3-Dichloropropene	75	7.441	7.435	0.006	90	232514	25.0	23.4	
78 1,1,2-Trichloroethane	83	7.636	7.630	0.006	93	119701	25.0	22.0	
79 Tetrachloroethene	166	7.691	7.691	0.000	95	490667	25.0	55.6	
82 2-Hexanone	43	7.855	7.855	0.000	97	1296921	125.0	114.7	
83 Chlorodibromomethane	129	8.031	8.031	0.000	89	165228	25.0	23.3	
84 Ethylene Dibromide	107	8.135	8.135	0.000	98	159189	25.0	22.7	
85 Chlorobenzene	112	8.615	8.609	0.006	92	492115	25.0	22.0	
88 Ethylbenzene	91	8.701	8.700	-0.001	97	784033	25.0	22.2	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	97	307825		22.1	
91 o-Xylene	106	9.254	9.254	0.000	97	316267		23.3	
92 Styrene	104	9.285	9.284	0.000	92	511680	25.0	22.2	
93 Bromoform	173	9.534	9.534	0.000	97	104388	25.0	24.3	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	839599	25.0	23.6	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.033	0.000	96	200332	25.0	22.3	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	96	407287	25.0	21.6	
113 1,4-Dichlorobenzene	146	10.982	10.982	0.000	96	408093	25.0	21.5	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	424499	25.0	22.5	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.053	0.006	76	37194	25.0	23.9	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	305786	25.0	22.7	
S 126 Xylenes, Total	1				0			45.4	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00429	Amount Added:	12.50	Units: uL	
8260 CORP mix_00198	Amount Added:	12.50	Units: uL	
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N_8260_Surr_00404	Amount Added:	1.00	Units: uL	Run Reagent

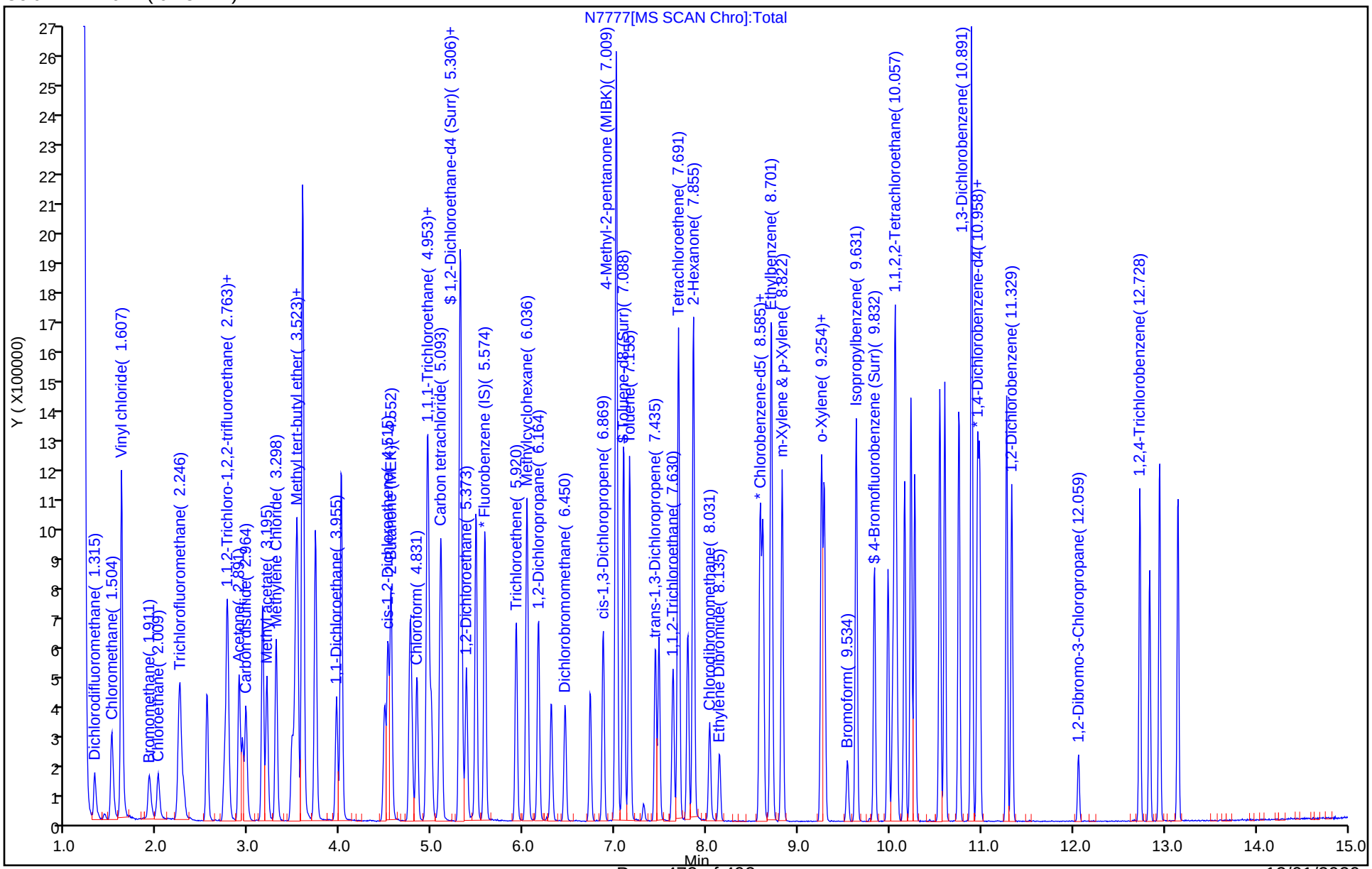
Report Date: 26-Nov-2020 10:36:32 Chrom Revision: 2.3 12-Nov-2020 21:52:08

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20201125-95244.b\N7777.D

Injection Date:	25-Nov-2020 18:59:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-178383-B-1 MSD			Worklist Smp#:	27
Client ID:	MW-26S				
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	19
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Instrument ID: HP5973N Start Date: 11/18/2020 13:15

Analysis Batch Number: 559694 End Date: 11/18/2020 18:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-559694/6		11/18/2020 13:15	1	N7387.D	ZB-624 (20) 0.18(mm)
IC 480-559694/8		11/18/2020 14:04	1	N7389.D	ZB-624 (20) 0.18(mm)
IC 480-559694/9		11/18/2020 14:28	1	N7390.D	ZB-624 (20) 0.18(mm)
IC 480-559694/10		11/18/2020 14:52	1	N7391.D	ZB-624 (20) 0.18(mm)
IC 480-559694/11		11/18/2020 15:16	1	N7392.D	ZB-624 (20) 0.18(mm)
IC 480-559694/12		11/18/2020 15:40	1	N7393.D	ZB-624 (20) 0.18(mm)
ICIS 480-559694/13		11/18/2020 16:04	1	N7394.D	ZB-624 (20) 0.18(mm)
IC 480-559694/14		11/18/2020 16:28	1	N7395.D	ZB-624 (20) 0.18(mm)
IC 480-559694/15		11/18/2020 16:52	1	N7396.D	ZB-624 (20) 0.18(mm)
MDLV 480-559694/26		11/18/2020 18:05	1		ZB-624 (20) 0.18(mm)
ICV 480-559694/29		11/18/2020 18:53	1	N7401.D	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Instrument ID: HP5973N Start Date: 11/25/2020 08:19

Analysis Batch Number: 560828 End Date: 11/25/2020 18:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-560828/2		11/25/2020 08:19	1	N7752.D	ZB-624 (20) 0.18(mm)
CCVIS 480-560828/3		11/25/2020 08:47	1	N7753.D	ZB-624 (20) 0.18(mm)
LCS 480-560828/4		11/25/2020 09:22	1	N7754.D	ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 09:46	1		ZB-624 (20) 0.18(mm)
MB 480-560828/7		11/25/2020 10:47	1	N7757.D	ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 11:11	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 11:46	4		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 12:10	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 12:34	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 12:58	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 13:23	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 13:47	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 14:11	1		ZB-624 (20) 0.18(mm)
480-178383-1	MW-26S	11/25/2020 14:35	20	N7766.D	ZB-624 (20) 0.18(mm)
480-178383-3	MW-25S	11/25/2020 14:59	8	N7767.D	ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 15:23	2		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 15:48	5		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 16:12	25		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 16:36	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 17:00	25		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 17:23	10		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 17:47	25		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 18:11	25		ZB-624 (20) 0.18(mm)
480-178383-1 MS	MW-26S MS	11/25/2020 18:35	20	N7776.D	ZB-624 (20) 0.18(mm)
480-178383-1 MSD	MW-26S MSD	11/25/2020 18:59	20	N7777.D	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Instrument ID: HP5973S Start Date: 11/19/2020 14:17

Analysis Batch Number: 559938 End Date: 11/19/2020 23:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-559938/6		11/19/2020 14:17	1	S4438.D	ZB-624 (20) 0.18(mm)
IC 480-559938/8		11/19/2020 15:09	1	S4440.D	ZB-624 (20) 0.18(mm)
IC 480-559938/9		11/19/2020 15:32	1	S4441.D	ZB-624 (20) 0.18(mm)
IC 480-559938/10		11/19/2020 15:55	1	S4442.D	ZB-624 (20) 0.18(mm)
IC 480-559938/11		11/19/2020 16:18	1	S4443.D	ZB-624 (20) 0.18(mm)
IC 480-559938/12		11/19/2020 16:41	1	S4444.D	ZB-624 (20) 0.18(mm)
ICIS 480-559938/13		11/19/2020 17:04	1	S4445.D	ZB-624 (20) 0.18(mm)
IC 480-559938/14		11/19/2020 17:27	1	S4446.D	ZB-624 (20) 0.18(mm)
IC 480-559938/15		11/19/2020 17:50	1	S4447.D	ZB-624 (20) 0.18(mm)
MDLV 480-559938/17		11/19/2020 18:37	1		ZB-624 (20) 0.18(mm)
MDLV 480-559938/18		11/19/2020 19:00	1		ZB-624 (20) 0.18(mm)
IC 480-559938/20		11/19/2020 19:46	1		ZB-624 (20) 0.18(mm)
IC 480-559938/21		11/19/2020 20:09	1		ZB-624 (20) 0.18(mm)
IC 480-559938/22		11/19/2020 20:32	1		ZB-624 (20) 0.18(mm)
IC 480-559938/23		11/19/2020 20:55	1		ZB-624 (20) 0.18(mm)
IC 480-559938/24		11/19/2020 21:18	1		ZB-624 (20) 0.18(mm)
IC 480-559938/25		11/19/2020 21:41	1		ZB-624 (20) 0.18(mm)
IC 480-559938/26		11/19/2020 22:05	1		ZB-624 (20) 0.18(mm)
MDLV 480-559938/28		11/19/2020 22:51	1		ZB-624 (20) 0.18(mm)
ICV 480-559938/29		11/19/2020 23:14	1	S4461.D	ZB-624 (20) 0.18(mm)
ICV 480-559938/30		11/19/2020 23:37	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Instrument ID: HP5973S Start Date: 11/24/2020 07:02

Analysis Batch Number: 560615 End Date: 11/24/2020 18:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-560615/2		11/24/2020 07:02	1	S4633.D	ZB-624 (20) 0.18(mm)
CCVIS 480-560615/3		11/24/2020 07:28	1	S4634.D	ZB-624 (20) 0.18(mm)
CCV 480-560615/4		11/24/2020 07:51	1		ZB-624 (20) 0.18(mm)
LCS 480-560615/5		11/24/2020 08:14	1	S4636.D	ZB-624 (20) 0.18(mm)
RL 480-560615/6		11/24/2020 08:37	1		ZB-624 (20) 0.18(mm)
MB 480-560615/7		11/24/2020 09:00	1	S4638.D	ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 10:57	50		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 11:20	20		ZB-624 (20) 0.18(mm)
480-178383-7	TRIP BLANK	11/24/2020 11:43	1	S4641.D	ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 12:06	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 12:29	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 12:52	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 13:15	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 13:39	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 14:02	4		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 14:25	4		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 14:48	2		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 15:11	4		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 15:34	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 15:58	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 16:21	8		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 16:44	10		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 17:07	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 17:30	8		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 17:53	2		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 18:16	50		ZB-624 (20) 0.18(mm)
ZZZZZ		11/24/2020 18:39	50		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Instrument ID: HP5973S Start Date: 11/25/2020 07:37

Analysis Batch Number: 560826 End Date: 11/25/2020 18:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-560826/2		11/25/2020 07:37	1	S4689.D	ZB-624 (20) 0.18(mm)
CCVIS 480-560826/3		11/25/2020 08:03	1	S4690.D	ZB-624 (20) 0.18(mm)
CCV 480-560826/4		11/25/2020 08:26	1		ZB-624 (20) 0.18(mm)
LCS 480-560826/5		11/25/2020 08:49	1	S4692.D	ZB-624 (20) 0.18(mm)
RL 480-560826/6		11/25/2020 09:12	1		ZB-624 (20) 0.18(mm)
MB 480-560826/7		11/25/2020 09:35	1	S4694.D	ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 10:28	80		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 10:51	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 11:14	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 11:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 12:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 12:23	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 12:46	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 13:09	2		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 13:40	1		ZB-624 (20) 0.18(mm)
480-178383-4	MW-27S	11/25/2020 14:03	1	S4704.D	ZB-624 (20) 0.18(mm)
480-178383-5	MW-24D	11/25/2020 14:26	10	S4705.D	ZB-624 (20) 0.18(mm)
480-178383-6	MW-23D	11/25/2020 14:49	1	S4706.D	ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 15:12	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 15:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 15:59	10		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 16:22	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 16:45	10		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 17:08	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 17:31	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 17:54	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 18:17	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Instrument ID: HP5975T Start Date: 10/10/2020 11:28

Analysis Batch Number: 553340 End Date: 10/10/2020 21:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-553340/5		10/10/2020 11:28	1	T7401.D	ZB-624 (20) 0.18(mm)
IC 480-553340/9		10/10/2020 13:02	1	T7405.D	ZB-624 (20) 0.18(mm)
IC 480-553340/10		10/10/2020 13:26	1	T7406.D	ZB-624 (20) 0.18(mm)
IC 480-553340/11		10/10/2020 13:50	1	T7407.D	ZB-624 (20) 0.18(mm)
IC 480-553340/12		10/10/2020 14:13	1	T7408.D	ZB-624 (20) 0.18(mm)
IC 480-553340/13		10/10/2020 14:37	1	T7409.D	ZB-624 (20) 0.18(mm)
ICIS 480-553340/14		10/10/2020 15:01	1	T7410.D	ZB-624 (20) 0.18(mm)
IC 480-553340/15		10/10/2020 15:25	1	T7411.D	ZB-624 (20) 0.18(mm)
IC 480-553340/16		10/10/2020 15:48	1	T7412.D	ZB-624 (20) 0.18(mm)
MDLV 480-553340/18		10/10/2020 16:36	1		ZB-624 (20) 0.18(mm)
IC 480-553340/21		10/10/2020 17:47	1		ZB-624 (20) 0.18(mm)
IC 480-553340/22		10/10/2020 18:11	1		ZB-624 (20) 0.18(mm)
IC 480-553340/23		10/10/2020 18:35	1		ZB-624 (20) 0.18(mm)
IC 480-553340/24		10/10/2020 18:59	1		ZB-624 (20) 0.18(mm)
IC 480-553340/25		10/10/2020 19:23	1		ZB-624 (20) 0.18(mm)
IC 480-553340/26		10/10/2020 19:47	1		ZB-624 (20) 0.18(mm)
IC 480-553340/27		10/10/2020 20:11	1		ZB-624 (20) 0.18(mm)
MDLV 480-553340/29		10/10/2020 20:59	1		ZB-624 (20) 0.18(mm)
ICV 480-553340/30		10/10/2020 21:23	1	T7426.D	ZB-624 (20) 0.18(mm)
ICV 480-553340/31		10/10/2020 21:46	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Instrument ID: HP5975T Start Date: 11/25/2020 10:21

Analysis Batch Number: 560877 End Date: 11/25/2020 20:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-560877/2		11/25/2020 10:21	1	T9265.D	ZB-624 (20) 0.18(mm)
CCVIS 480-560877/3		11/25/2020 10:46	1	T9266.D	ZB-624 (20) 0.18(mm)
CCV 480-560877/4		11/25/2020 11:26	1		ZB-624 (20) 0.18(mm)
LCS 480-560877/5		11/25/2020 11:51	1	T9268.D	ZB-624 (20) 0.18(mm)
RL 480-560877/6		11/25/2020 12:14	1		ZB-624 (20) 0.18(mm)
MB 480-560877/7		11/25/2020 12:43	1	T9270.D	ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 13:15	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 13:40	200		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 14:04	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 14:27	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 14:51	1		ZB-624 (20) 0.18(mm)
480-178383-2	DUP-111720	11/25/2020 15:15	10	T9276.D	ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 15:39	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 16:03	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 16:27	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 16:51	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 17:15	4		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 17:39	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 18:03	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 18:27	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 18:51	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 19:15	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 19:38	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2020 20:02	1		ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Batch Number: 553340 Batch Start Date: 10/10/20 11:28 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00195	GAS CORP mix 00421	MV_BFB_STK 00073	SS 8260 CORP 00087
BFB 480-553340/5		8260C		1 uL	1 uL			1 uL	
IC 480-553340/9		8260C		5 mL	5 mL	0.4 uL	0.4 uL		
IC 480-553340/10		8260C		5 mL	5 mL	1 uL	1 uL		
IC 480-553340/11		8260C		5 mL	5 mL	2 uL	2 uL		
IC 480-553340/12		8260C		5 mL	5 mL	5 uL	5 uL		
IC 480-553340/13		8260C		5 mL	5 mL	5 uL	5 uL		
ICIS 480-553340/14		8260C		5 mL	5 mL	12.5 uL	12.5 uL		
IC 480-553340/15		8260C		5 mL	5 mL	25 uL	25 uL		
IC 480-553340/16		8260C		5 mL	5 mL	50 uL	50 uL		
ICV 480-553340/30		8260C		5 mL	5 mL				12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	SS GAS CORP 00372	T_8260_IS 00249	T_8260_Surr 00210			
BFB 480-553340/5		8260C							
IC 480-553340/9		8260C			1 uL	1 uL			
IC 480-553340/10		8260C			1 uL	1 uL			
IC 480-553340/11		8260C			1 uL	1 uL			
IC 480-553340/12		8260C			1 uL	1 uL			
IC 480-553340/13		8260C			1 uL	1 uL			
ICIS 480-553340/14		8260C			1 uL	1 uL			
IC 480-553340/15		8260C			1 uL	1 uL			
IC 480-553340/16		8260C			1 uL	1 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Batch Number: 553340 Batch Start Date: 10/10/20 11:28 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	SS GAS CORP 00372	T_8260_IS 00249	T_8260_Surr 00210			
ICV 480-553340/30		8260C		12.5 uL	1 uL	1 uL			

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Batch Number: 559694 Batch Start Date: 11/18/20 13:15 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00198	BFB_WRK 00113	GAS CORP mix 00427	N 8260 IS 00202
BFB 480-559694/6		8260C		1 uL	1 uL		1 uL		
IC 480-559694/8		8260C		5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-559694/9		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-559694/10		8260C		5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-559694/11		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-559694/12		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-559694/13		8260C		5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-559694/14		8260C		5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-559694/15		8260C		5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-559694/29		8260C		5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	N_8260_Surr 00404	SS 8260 CORP 00087	SS GAS CORP 00378			
BFB 480-559694/6		8260C							
IC 480-559694/8		8260C		1 uL					
IC 480-559694/9		8260C		1 uL					
IC 480-559694/10		8260C		1 uL					
IC 480-559694/11		8260C		1 uL					
IC 480-559694/12		8260C		1 uL					
ICIS 480-559694/13		8260C		1 uL					
IC 480-559694/14		8260C		1 uL					
IC 480-559694/15		8260C		1 uL					
ICV 480-559694/29		8260C		1 uL	12.5 uL	12.5 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Batch Number: 559694 Batch Start Date: 11/18/20 13:15 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Batch Number: 559938 Batch Start Date: 11/19/20 14:17 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00198	BFB_WRK 00113	GAS CORP mix 00427	S_8260_IS 00342
BFB 480-559938/6		8260C		1 uL	1 uL		1 uL		
IC 480-559938/8		8260C		5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-559938/9		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-559938/10		8260C		5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-559938/11		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-559938/12		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-559938/13		8260C		5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-559938/14		8260C		5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-559938/15		8260C		5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-559938/29		8260C		5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_Surr 00377	SS 8260 CORP 00087	SS GAS CORP 00378			
BFB 480-559938/6		8260C							
IC 480-559938/8		8260C		1 uL					
IC 480-559938/9		8260C		1 uL					
IC 480-559938/10		8260C		1 uL					
IC 480-559938/11		8260C		1 uL					
IC 480-559938/12		8260C		1 uL					
ICIS 480-559938/13		8260C		1 uL					
IC 480-559938/14		8260C		1 uL					
IC 480-559938/15		8260C		1 uL					
ICV 480-559938/29		8260C		1 uL	12.5 uL	12.5 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Batch Number: 559938 Batch Start Date: 11/19/20 14:17 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Batch Number: 560615 Batch Start Date: 11/24/20 07:02 Batch Analyst: Moffat, Alyssa M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00196	BFB_WRK 00113	GAS CORP mix 00429
BFB 480-560615/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-560615/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-560615/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-560615/7		8260C		5 mL	5 mL				
480-178383-A-7	TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00341	S_8260_Surr 00375				
BFB 480-560615/2		8260C							
CCVIS 480-560615/3		8260C		1 uL	1 uL				
LCS 480-560615/5		8260C		1 uL	1 uL				
MB 480-560615/7		8260C		1 uL	1 uL				
480-178383-A-7	TRIP BLANK	8260C	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Batch Number: 560826 Batch Start Date: 11/25/20 07:37 Batch Analyst: Moffat, Alyssa M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00196	BFB_WRK 00113	GAS CORP mix 00429
BFB 480-560826/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-560826/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-560826/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-560826/7		8260C		5 mL	5 mL				
480-178383-B-4	MW-27S	8260C	T	5 mL	5 mL	<2 SU			
480-178383-B-5	MW-24D	8260C	T	5 mL	5 mL	<2 SU			
480-178383-B-6	MW-23D	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00341	S_8260_Surr 00375	AnalysisComment			
BFB 480-560826/2		8260C							
CCVIS 480-560826/3		8260C		1 uL	1 uL				
LCS 480-560826/5		8260C		1 uL	1 uL				
MB 480-560826/7		8260C		1 uL	1 uL				
480-178383-B-4	MW-27S	8260C	T	1 uL	1 uL				
480-178383-B-5	MW-24D	8260C	T	1 uL	1 uL	Targets			
480-178383-B-6	MW-23D	8260C	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Batch Number: 560828 Batch Start Date: 11/25/20 08:19 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00198	BFB_WRK 00113	GAS CORP mix 00429
BFB 480-560828/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-560828/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-560828/4		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-560828/7		8260C		5 mL	5 mL				
480-178383-B-1	MW-26S	8260C	T	5 mL	5 mL	<2 SU			
480-178383-B-3	MW-25S	8260C	T	5 mL	5 mL	<2 SU			
480-178383-B-1 MS	MW-26S	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-178383-B-1 MSD	MW-26S	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00202	N_8260_Surr 00404				
BFB 480-560828/2		8260C							
CCVIS 480-560828/3		8260C		1 uL	1 uL				
LCS 480-560828/4		8260C		1 uL	1 uL				
MB 480-560828/7		8260C		1 uL	1 uL				
480-178383-B-1	MW-26S	8260C	T	1 uL	1 uL				
480-178383-B-3	MW-25S	8260C	T	1 uL	1 uL				
480-178383-B-1 MS	MW-26S	8260C	T	1 uL	1 uL				
480-178383-B-1 MSD	MW-26S	8260C	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-178383-1

SDG No.:

Batch Number: 560877 Batch Start Date: 11/25/20 10:21 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00195	BFB_WRK 00112	GAS CORP mix 00429
BFB 480-560877/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-560877/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-560877/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-560877/7		8260C		5 mL	5 mL				
480-178383-B-2	DUP-111720	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	T_8260_IS 00250	T_8260_Surr 00211				
BFB 480-560877/2		8260C							
CCVIS 480-560877/3		8260C		1 uL	1 uL				
LCS 480-560877/5		8260C		1 uL	1 uL				
MB 480-560877/7		8260C		1 uL	1 uL				
480-178383-B-2	DUP-111720	8260C	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler:	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-153097-34026.1
Client Contact: Nicole Lindner	Phone:	E-Mail: Orlette.Johnson@Eurofinset.com		Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc				Job #:

Address: 415 Lawrence Bell Drive Suite 6	Due Date Requested:
City: Williamsville	TAT Requested (days):
State, Zip: NY, 14221	
Phone:	PO #: CallOut ID: 136733
Email: nlindner@gesonline.com	WO #:
Project Name: 275 Franklin Street #C915208A	Project #: 48019654
Site: GES Project #0901718	SSOW#:

Analysis Requested

480-178383 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	Total Number of contai...	Special Instructions/Note:
			Preservation Code:				A		
MW-26S	11-17-20	850	G	Water		X	X	3	
Dup-111720		—		Water			X	3	
MW-25S		1020		Water			X	3	
MW-27S		1135		Water			X	3	
MW-24D		1245		Water			X	3	
MW-23D		1400		Water			X	3	
Trip Blank	10-8-20	—		Water			X	2	
				Water					
				Water					

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: To GES Fridge	11/17/20 1360	GES	Received by:	11/17/20 11:15	TAL
Relinquished by:	11/18/20 11:45	TAL	Received by:	11/18/20 1145	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.6 #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-178383-1

Login Number: 178383
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.6 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	Franklin St	**Tubing Diameter (ID):**	1/4"
Project #:	0401718	**Initial Depth to Water (ft, TOC)**	11.96
Date:	11/17/20	**Depth to Bottom of Well (ft, TOC)**	
Sampling Device:	Low Flow	**Feet of Water in Well (ft)**	
Well ID:	MW-23D	**Volume of Water in Well (gal)**	

	Meter(s):						
Time	**Depth to Water (ft, TOC)**	**Temperature (°C)**	**pH**	**Specific Conductance (mS/cm)**	**ORP**	**DO (mg/L)**	**Turbidity (NTU)**
1305	12.00	16.0	8.10	2.120	2.5	2.74	25.61
1310		16.3	8.02	2.139	11.1	2.32	26.27
1315		15.9	7.93	2.157	22.0	2.09	17.73
1320		15.6	7.87	2.156	29.1	2.07	30.14
1325		15.4	7.82	2.159	34.1	2.04	49.65
1330		15.4	7.80	2.171	36.1	2.02	50.24
1335		15.3	7.77	2.177	38.1	1.98	62.02
1340		15.1	7.75	2.187	40.7	1.97	87.66
1345		15.0	7.73	2.190	42.4	1.97	101.66
1350		15.1	7.72	2.187	41.7	1.98	102.17
1355		15.0	7.73	2.192	42.9	1.98	100.88
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1305	**Notes:**	@1400 Sample Time 4 gal purged
Purge End Time:	1355		
Weather:	36° Snow		
Purge/Sampled by:	PC		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	Franklin St	**Tubing Diameter (ID):**	1/4"
Project #:	0901718	**Initial Depth to Water (ft, TOC)**	11.85
Date:	11/17/20	**Depth to Bottom of Well (ft, TOC)**	
Sampling Device:	Low Flow	**Feet of Water in Well (ft)**	
Well ID:	MW-24D	**Volume of Water in Well (gal)**	

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
1155	11.85	13.4	8.28	2.270	-149.5	1.86	34.56
1200	11.55	13.4	7.99	2.260	-161.5	1.50	33.68
1205	|	13.2	7.91	2.319	-155.2	1.46	36.85
1210	|	12.9	7.86	2.330	-150.0	1.46	51.91
1215	|	13.0	7.81	2.336	-144.5	1.46	43.20
1220	|	12.8	7.77	2.332	-140.7	1.45	56.78
1225	|	12.7	7.74	2.326	-139.9	1.44	58.62
1230	|	12.8	7.73	2.325	-139.9	1.43	65.67
1235	|	12.6	7.73	2.319	-139.3	1.43	65.62
1240	|	12.6	7.73	2.317	-139.7	1.43	67.12
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time: 1155

Purge End Time:

Weather: 36° Snow

Purge/Sampled by: AC

Notes: 1245 Sample Time 5 gal purged

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	Franklin St	**Tubing Diameter (ID):**	1/4"
Project #:	0901718	**Initial Depth to Water (ft, TOC)**	13.31
Date:	11/17/20	**Depth to Bottom of Well (ft, TOC)**	
Sampling Device:	Low Flow	**Feet of Water in Well (ft)**	
Well ID:	MW-27S	**Volume of Water in Well (gal)**	

	Meter(s):						
Time	**Depth to Water (ft, TOC)**	**Temperature (°C)**	**pH**	**Specific Conductance (mS/cm)**	**ORP**	**DO (mg/L)**	**Turbidity (NTU)**
1030	13.31	15.4	8.24	3.372	48.0	4.62	74.26
1035	13.81	15.5	8.10	3.211	57.2	4.51	47.25
1040	|	15.5	8.05	3.186	63.0	4.60	65.41
1045	|	15.6	8.01	3.202	66.2	4.58	84.21
1050	|	15.6	7.96	3.207	68.2	4.53	162.91
1055	|	15.6	7.95	3.218	69.1	4.54	230.02
1100	|	15.7	7.91	3.246	70.7	4.36	12.31
1105	|	15.7	7.90	3.253	71.5	4.33	16.01
1110	|	15.6	7.88	3.273	72.2	4.33	54.24
1115	|	15.7	7.86	3.269	72.4	4.33	29.51
1120	|	15.8	7.85	3.282	72.9	4.30	14.28
1125	|	15.8	7.84	3.283	73.7	4.27	13.27
1130	—	15.8	7.85	3.281	73.1	4.28	13.19
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	1030	Notes:	1135 Sample Time 4.5 gal purged
Purge End Time:	1130		
Weather:	36° Snow		
Purge/Sampled by:	PC		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	Franklin St	**Tubing Diameter (ID):**	1/4"
Project #:	0901718	**Initial Depth to Water (ft, TOC)**	12.85
Date:	11/17/20	**Depth to Bottom of Well (ft, TOC)**	
Sampling Device:	Low Flow	**Feet of Water in Well (ft)**	
Well ID:	MW-25S	**Volume of Water in Well (gal)**	

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
916	12.85	16.0	8.32	4.250	57.8	3.07	2.40
920	12.85	16.9	8.12	4.274	55.8	2.36	1.97
925	12.85	17.2	8.03	4.258	53.2	2.07	1.20
930	12.8	17.2	7.95	4.128	52.3	1.93	10.54
935	|	17.3	7.88	4.001	46.5	1.81	17.83
940	|	17.2	7.86	3.956	45.3	1.72	25.01
945	|	17.2	7.83	3.888	44.3	1.61	25.72
950	|	17.2	7.81	3.867	43.9	1.59	36.20
955	|	17.2	7.78	3.850	43.2	1.69	41.96
1000	|	17.2	7.76	3.816	42.4	1.57	30.61
1005	|	17.2	7.74	3.801	41.6	1.55	60.28
1010	|	17.2	7.73	3.774	40.7	1.54	60.17
1015	⊥	17.2	7.73	3.778	41.2	1.55	60.21
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	915	Notes:	1020 Sample Time gal purged
Purge End Time:	1015		
Weather:	36° Clear		
Purge/Sampled by:	PC		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	Franklin St	**Tubing Diameter (ID):**	1/4"
Project #:		**Initial Depth to Water (ft, TOC)**	13.2
Date:	11/17/20	**Depth to Bottom of Well (ft, TOC)**	
Sampling Device:		**Feet of Water in Well (ft)**	
Well ID:	MW-26S	**Volume of Water in Well (gal)**	

Meter(s):

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP	DO (mg/L)	Turbidity (NTU)
0800	13.2	15.7	8.21	3.268	23.8	3.54	77.91
805	13.25	15.6	7.88	3.353	29.4	3.353	39.87
810	13.35	15.9	7.85	3.361	36.7	2.69	25.64
815	|	16.0	7.82	3.371	42.2	2.66	16.68
820	|	16.0	7.80	3.376	47.3	2.60	10.20
825	|	16.1	7.79	3.378	49.3	2.60	7.68
830	|	16.0	7.78	3.381	51.0	2.56	6.31
835	|	16.0	7.78	3.383	52.6	2.60	5.58
840	|	16.0	7.77	3.384	55.8	2.60	5.00
845	⊥	16.0	7.77	3.384	56.8	2.57	5.42
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	800	**Notes:**	850 Sample Time 4 gal purged
Purge End Time:	845		MS/MSD + Dup-111720 Collected
Weather:	35° Clear		
Purge/Sampled by:	RC		

ANALYTICAL REPORT

Lab Number:	L2116487
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Lori Riker
Phone:	(716) 856-0599
Project Name:	275 FRANKLIN ST
Project Number:	B0156-020-001-002
Report Date:	04/08/21

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002

Lab Number: L2116487
Report Date: 04/08/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2116487-01	PZ-4R	WATER	BUFFALO NY	04/01/21 07:50	04/01/21
L2116487-02	MW-5R	WATER	BUFFALO NY	04/01/21 10:05	04/01/21
L2116487-03	PZ-5	WATER	BUFFALO NY	04/01/21 09:00	04/01/21
L2116487-04	PZ-6	WATER	BUFFALO NY	04/01/21 08:30	04/01/21
L2116487-05	PZ-11	WATER	BUFFALO NY	04/01/21 10:40	04/01/21
L2116487-06	PZ-12	WATER	BUFFALO NY	04/01/21 11:05	04/01/21
L2116487-07	PZ-13	WATER	BUFFALO NY	04/01/21 10:05	04/01/21
L2116487-08	PZ-14	WATER	BUFFALO NY	04/01/21 09:45	04/01/21
L2116487-09	MW-24S	WATER	BUFFALO NY	04/01/21 11:15	04/01/21
L2116487-10	MW-24D	WATER	BUFFALO NY	04/01/21 12:15	04/01/21
L2116487-11	MW-23S	WATER	BUFFALO NY	04/01/21 13:00	04/01/21
L2116487-12	BLINDDUP	WATER	BUFFALO NY	04/01/21 08:00	04/01/21
L2116487-13	TRIP BLANK	WATER	BUFFALO NY	04/01/21 09:00	04/01/21

Project Name:	275 FRANKLIN ST	**Lab Number:**	L2116487
Project Number:	B0156-020-001-002	**Report Date:**	04/08/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	275 FRANKLIN ST	**Lab Number:**	L2116487
Project Number:	B0156-020-001-002	**Report Date:**	04/08/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2116487-09 and -10: The collection times were obtained from the container labels.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 04/08/21

ORGANICS

VOLATILES

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-01 D
Client ID: PZ-4R
Sample Location: BUFFALO NY

Date Collected: 04/01/21 07:50
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 22:30
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	1600		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	26		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-01 D
Client ID: PZ-4R
Sample Location: BUFFALO NY
Date Collected: 04/01/21 07:50
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	35		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-02 D
Client ID: MW-5R
Sample Location: BUFFALO NY

Date Collected: 04/01/21 10:05
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 22:50
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	1000		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	5.1	J	ug/l	12	3.5	5
Trichloroethene	210		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-02 D
Client ID: MW-5R
Sample Location: BUFFALO NY
Date Collected: 04/01/21 10:05
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	280		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-03
Client ID: PZ-5
Sample Location: BUFFALO NY

Date Collected: 04/01/21 09:00
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 21:06
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	5.2		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	160		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-03
Client ID: PZ-5
Sample Location: BUFFALO NY
Date Collected: 04/01/21 09:00
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-04
Client ID: PZ-6
Sample Location: BUFFALO NY

Date Collected: 04/01/21 08:30
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 21:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	4.8		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	66		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.31	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-04
Client ID: PZ-6
Sample Location: BUFFALO NY
Date Collected: 04/01/21 08:30
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-05 D
Client ID: PZ-11
Sample Location: BUFFALO NY

Date Collected: 04/01/21 10:40
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 23:11
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	50	14.	20
1,1-Dichloroethane	ND		ug/l	50	14.	20
Chloroform	ND		ug/l	50	14.	20
Carbon tetrachloride	ND		ug/l	10	2.7	20
1,2-Dichloropropane	ND		ug/l	20	2.7	20
Dibromochloromethane	ND		ug/l	10	3.0	20
1,1,2-Trichloroethane	ND		ug/l	30	10.	20
Tetrachloroethene	2400		ug/l	10	3.6	20
Chlorobenzene	ND		ug/l	50	14.	20
Trichlorofluoromethane	ND		ug/l	50	14.	20
1,2-Dichloroethane	ND		ug/l	10	2.6	20
1,1,1-Trichloroethane	ND		ug/l	50	14.	20
Bromodichloromethane	ND		ug/l	10	3.8	20
trans-1,3-Dichloropropene	ND		ug/l	10	3.3	20
cis-1,3-Dichloropropene	ND		ug/l	10	2.9	20
Bromoform	ND		ug/l	40	13.	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	3.3	20
Benzene	ND		ug/l	10	3.2	20
Toluene	ND		ug/l	50	14.	20
Ethylbenzene	ND		ug/l	50	14.	20
Chloromethane	ND		ug/l	50	14.	20
Bromomethane	ND		ug/l	50	14.	20
Vinyl chloride	ND		ug/l	20	1.4	20
Chloroethane	ND		ug/l	50	14.	20
1,1-Dichloroethene	ND		ug/l	10	3.4	20
trans-1,2-Dichloroethene	ND		ug/l	50	14.	20
Trichloroethene	7.3	J	ug/l	10	3.5	20
1,2-Dichlorobenzene	ND		ug/l	50	14.	20

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-05 D
Client ID: PZ-11
Sample Location: BUFFALO NY
Date Collected: 04/01/21 10:40
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	50	14.	20
1,4-Dichlorobenzene	ND		ug/l	50	14.	20
Methyl tert butyl ether	ND		ug/l	50	14.	20
p/m-Xylene	ND		ug/l	50	14.	20
o-Xylene	ND		ug/l	50	14.	20
cis-1,2-Dichloroethene	ND		ug/l	50	14.	20
Styrene	ND		ug/l	50	14.	20
Dichlorodifluoromethane	ND		ug/l	100	20.	20
Acetone	ND		ug/l	100	29.	20
Carbon disulfide	ND		ug/l	100	20.	20
2-Butanone	ND		ug/l	100	39.	20
4-Methyl-2-pentanone	ND		ug/l	100	20.	20
2-Hexanone	ND		ug/l	100	20.	20
Bromochloromethane	ND		ug/l	50	14.	20
1,2-Dibromoethane	ND		ug/l	40	13.	20
1,2-Dibromo-3-chloropropane	ND		ug/l	50	14.	20
Isopropylbenzene	ND		ug/l	50	14.	20
1,2,3-Trichlorobenzene	ND		ug/l	50	14.	20
1,2,4-Trichlorobenzene	ND		ug/l	50	14.	20
Methyl Acetate	ND		ug/l	40	4.7	20
Cyclohexane	ND		ug/l	200	5.4	20
1,4-Dioxane	ND		ug/l	5000	1200	20
Freon-113	ND		ug/l	50	14.	20
Methyl cyclohexane	ND		ug/l	200	7.9	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	106		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-06 D2
Client ID: PZ-12
Sample Location: BUFFALO NY

Date Collected: 04/01/21 11:05
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/21 21:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	1100		ug/l	10	3.6	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-06 D
Client ID: PZ-12
Sample Location: BUFFALO NY

Date Collected: 04/01/21 11:05
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 23:32
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	1000	E	ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	2.4	J	ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-06 D
Client ID: PZ-12
Sample Location: BUFFALO NY
Date Collected: 04/01/21 11:05
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	108		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-07
Client ID: PZ-13
Sample Location: BUFFALO NY

Date Collected: 04/01/21 10:05
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 21:48
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	25		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	3.9		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.2	J	ug/l	2.5	0.70	1
Trichloroethene	9.7		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-07
Client ID: PZ-13
Sample Location: BUFFALO NY
Date Collected: 04/01/21 10:05
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	28		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-08
Client ID: PZ-14
Sample Location: BUFFALO NY

Date Collected: 04/01/21 09:45
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 22:09
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	170		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	6.3		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.36	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	2.1	J	ug/l	2.5	0.70	1
Trichloroethene	38		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-08
Client ID: PZ-14
Sample Location: BUFFALO NY
Date Collected: 04/01/21 09:45
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	150		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-09 D
Client ID: MW-24S
Sample Location: BUFFALO NY

Date Collected: 04/01/21 11:15
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 23:53
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	100	28.	40
1,1-Dichloroethane	ND		ug/l	100	28.	40
Chloroform	ND		ug/l	100	28.	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
1,2-Dichloropropane	ND		ug/l	40	5.5	40
Dibromochloromethane	ND		ug/l	20	6.0	40
1,1,2-Trichloroethane	ND		ug/l	60	20.	40
Tetrachloroethene	6100		ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	100	28.	40
Trichlorofluoromethane	ND		ug/l	100	28.	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
1,1,1-Trichloroethane	ND		ug/l	100	28.	40
Bromodichloromethane	ND		ug/l	20	7.7	40
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	40
cis-1,3-Dichloropropene	ND		ug/l	20	5.8	40
Bromoform	ND		ug/l	80	26.	40
1,1,2,2-Tetrachloroethane	ND		ug/l	20	6.7	40
Benzene	ND		ug/l	20	6.4	40
Toluene	ND		ug/l	100	28.	40
Ethylbenzene	ND		ug/l	100	28.	40
Chloromethane	ND		ug/l	100	28.	40
Bromomethane	ND		ug/l	100	28.	40
Vinyl chloride	ND		ug/l	40	2.8	40
Chloroethane	ND		ug/l	100	28.	40
1,1-Dichloroethene	ND		ug/l	20	6.8	40
trans-1,2-Dichloroethene	ND		ug/l	100	28.	40
Trichloroethene	15	J	ug/l	20	7.0	40
1,2-Dichlorobenzene	ND		ug/l	100	28.	40

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-09 D
Client ID: MW-24S
Sample Location: BUFFALO NY
Date Collected: 04/01/21 11:15
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	100	28.	40
1,4-Dichlorobenzene	ND		ug/l	100	28.	40
Methyl tert butyl ether	ND		ug/l	100	28.	40
p/m-Xylene	ND		ug/l	100	28.	40
o-Xylene	ND		ug/l	100	28.	40
cis-1,2-Dichloroethene	33	J	ug/l	100	28.	40
Styrene	ND		ug/l	100	28.	40
Dichlorodifluoromethane	ND		ug/l	200	40.	40
Acetone	ND		ug/l	200	58.	40
Carbon disulfide	ND		ug/l	200	40.	40
2-Butanone	ND		ug/l	200	78.	40
4-Methyl-2-pentanone	ND		ug/l	200	40.	40
2-Hexanone	ND		ug/l	200	40.	40
Bromochloromethane	ND		ug/l	100	28.	40
1,2-Dibromoethane	ND		ug/l	80	26.	40
1,2-Dibromo-3-chloropropane	ND		ug/l	100	28.	40
Isopropylbenzene	ND		ug/l	100	28.	40
1,2,3-Trichlorobenzene	ND		ug/l	100	28.	40
1,2,4-Trichlorobenzene	ND		ug/l	100	28.	40
Methyl Acetate	ND		ug/l	80	9.4	40
Cyclohexane	ND		ug/l	400	11.	40
1,4-Dioxane	ND		ug/l	10000	2400	40
Freon-113	ND		ug/l	100	28.	40
Methyl cyclohexane	ND		ug/l	400	16.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-10 D
Client ID: MW-24D
Sample Location: BUFFALO NY

Date Collected: 04/01/21 12:15
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/21 00:14
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	220		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.45	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	77		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-10 D
Client ID: MW-24D
Sample Location: BUFFALO NY
Date Collected: 04/01/21 12:15
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	140		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-11 D
Client ID: MW-23S
Sample Location: BUFFALO NY

Date Collected: 04/01/21 13:00
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/21 00:35
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	1.5	J	ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	340		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	2.7		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-11 D
Client ID: MW-23S
Sample Location: BUFFALO NY
Date Collected: 04/01/21 13:00
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	1.9	J	ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-12 D
Client ID: BLINDDUP
Sample Location: BUFFALO NY

Date Collected: 04/01/21 08:00
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/21 00:55
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	940		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	4.9	J	ug/l	12	3.5	5
Trichloroethene	200		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-12 D
Client ID: BLINDDUP
Sample Location: BUFFALO NY
Date Collected: 04/01/21 08:00
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	270		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-13
Client ID: TRIP BLANK
Sample Location: BUFFALO NY

Date Collected: 04/01/21 09:00
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/05/21 20:24
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

SAMPLE RESULTS

Lab ID: L2116487-13
Client ID: TRIP BLANK
Sample Location: BUFFALO NY
Date Collected: 04/01/21 09:00
Date Received: 04/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	108		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/21 19:22
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG1483075-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/21 19:22
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG1483075-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/05/21 19:22
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-13 Batch: WG1483075-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 20:22
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1483466-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 20:22
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1483466-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/21 20:22
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1483466-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002

Lab Number: L2116487
Report Date: 04/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG1483075-3 WG1483075-4								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	89		90		70-130	1		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	97		96		70-130	1		20
Dibromochloromethane	97		98		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	98		100		75-130	2		20
Trichlorofluoromethane	93		96		62-150	3		20
1,2-Dichloroethane	95		99		70-130	4		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	96		100		67-130	4		20
trans-1,3-Dichloropropene	95		96		70-130	1		20
cis-1,3-Dichloropropene	90		96		70-130	6		20
Bromoform	93		91		54-136	2		20
1,1,2,2-Tetrachloroethane	96		99		67-130	3		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	73		73		64-130	0		20
Bromomethane	66		77		39-139	15		20
Vinyl chloride	97		100		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 275 FRANKLIN ST

Project Number: B0156-020-001-002

Lab Number: L2116487

Report Date: 04/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG1483075-3 WG1483075-4								
Chloroethane	83		84		55-138	1		20
1,1-Dichloroethene	94		100		61-145	6		20
trans-1,2-Dichloroethene	97		98		70-130	1		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	88		90		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	95		97		58-148	2		20
Carbon disulfide	91		96		51-130	5		20
2-Butanone	100		110		63-138	10		20
4-Methyl-2-pentanone	95		89		59-130	7		20
2-Hexanone	94		100		57-130	6		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	98		98		70-130	0		20
1,2-Dibromo-3-chloropropane	91		99		41-144	8		20
Isopropylbenzene	100		99		70-130	1		20
1,2,3-Trichlorobenzene	95		98		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 275 FRANKLIN ST

Project Number: B0156-020-001-002

Lab Number: L2116487

Report Date: 04/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 Batch: WG1483075-3 WG1483075-4								
1,2,4-Trichlorobenzene	94		96		70-130	2		20
Methyl Acetate	79		89		70-130	12		20
Cyclohexane	95		100		70-130	5		20
1,4-Dioxane	96		100		56-162	4		20
Freon-113	96		96		70-130	0		20
Methyl cyclohexane	98		100		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		105		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	95		90		70-130
Dibromofluoromethane	104		108		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002

Lab Number: L2116487
Report Date: 04/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1483466-3 WG1483466-4								
Methylene chloride	100		96		70-130	4		20
1,1-Dichloroethane	93		84		70-130	10		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		110		63-130	10		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	100		94		62-150	6		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		99		70-130	1		20
Bromoform	98		97		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	110		100		70-130	10		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	82		81		64-130	1		20
Bromomethane	88		92		39-139	4		20
Vinyl chloride	100		98		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 275 FRANKLIN ST

Project Number: B0156-020-001-002

Lab Number: L2116487

Report Date: 04/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1483466-3 WG1483466-4								
Chloroethane	87		80		55-138	8		20
1,1-Dichloroethene	96		92		61-145	4		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	95		93		63-130	2		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		100		70-130	10		20
Styrene	110		105		70-130	5		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	90		90		58-148	0		20
Carbon disulfide	95		91		51-130	4		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	110		120		57-130	9		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	100		100		41-144	0		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 275 FRANKLIN ST

Project Number: B0156-020-001-002

Lab Number: L2116487

Report Date: 04/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1483466-3 WG1483466-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	87		88		70-130	1		20
Cyclohexane	100		97		70-130	3		20
1,4-Dioxane	96		94		56-162	2		20
Freon-113	100		97		70-130	3		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130
Toluene-d8	108		107		70-130
4-Bromofluorobenzene	94		97		70-130
Dibromofluoromethane	107		103		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 275 FRANKLIN ST

Project Number: B0156-020-001-002

Lab Number: L2116487

Report Date: 04/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1483075-6 WG1483075-7 QC Sample: L2116487-09 Client ID: MW-24S												
Methylene chloride	ND	400	360	90		370	92		70-130	3		20
1,1-Dichloroethane	ND	400	330	82		340	85		70-130	3		20
Chloroform	ND	400	390	98		400	100		70-130	3		20
Carbon tetrachloride	ND	400	390	98		410	103		63-132	5		20
1,2-Dichloropropane	ND	400	350	88		370	92		70-130	6		20
Dibromochloromethane	ND	400	380	95		380	95		63-130	0		20
1,1,2-Trichloroethane	ND	400	380	95		400	100		70-130	5		20
Tetrachloroethene	6100	400	6400	75		6200	**25**	Q	70-130	3		20
Chlorobenzene	ND	400	370	92		380	95		75-130	3		20
Trichlorofluoromethane	ND	400	380	95		380	95		62-150	0		20
1,2-Dichloroethane	ND	400	360	90		380	95		70-130	5		20
1,1,1-Trichloroethane	ND	400	390	98		410	103		67-130	5		20
Bromodichloromethane	ND	400	370	92		370	92		67-130	0		20
trans-1,3-Dichloropropene	ND	400	350	88		360	90		70-130	3		20
cis-1,3-Dichloropropene	ND	400	340	85		360	90		70-130	6		20
Bromoform	ND	400	350	88		320	80		54-136	9		20
1,1,2,2-Tetrachloroethane	ND	400	370	92		370	92		67-130	0		20
Benzene	ND	400	370	92		380	95		70-130	3		20
Toluene	ND	400	390	98		400	100		70-130	3		20
Ethylbenzene	ND	400	380	95		400	100		70-130	5		20
Chloromethane	ND	400	300	75		300	75		64-130	0		20
Bromomethane	ND	400	370	92		370	92		39-139	0		20
Vinyl chloride	ND	400	390	98		390	98		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002

Lab Number: L2116487
Report Date: 04/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1483075-6 WG1483075-7 QC Sample: L2116487-09 Client ID: MW-24S												
Chloroethane	ND	400	330	82		330	82		55-138	0		20
1,1-Dichloroethene	ND	400	400	100		380	95		61-145	5		20
trans-1,2-Dichloroethene	ND	400	370	92		380	95		70-130	3		20
Trichloroethene	15J	400	390	98		400	100		70-130	3		20
1,2-Dichlorobenzene	ND	400	380	95		370	92		70-130	3		20
1,3-Dichlorobenzene	ND	400	370	92		360	90		70-130	3		20
1,4-Dichlorobenzene	ND	400	380	95		350	88		70-130	8		20
Methyl tert butyl ether	ND	400	340	85		330	82		63-130	3		20
p/m-Xylene	ND	800	730	91		760	95		70-130	4		20
o-Xylene	ND	800	740	92		760	95		70-130	3		20
cis-1,2-Dichloroethene	33J	400	410	103		420	105		70-130	2		20
Styrene	ND	800	640	80		670	84		70-130	5		20
Dichlorodifluoromethane	ND	400	420	105		420	105		36-147	0		20
Acetone	ND	400	370	92		400	100		58-148	8		20
Carbon disulfide	ND	400	380	95		370	92		51-130	3		20
2-Butanone	ND	400	380	95		390	98		63-138	3		20
4-Methyl-2-pentanone	ND	400	340	85		340	85		59-130	0		20
2-Hexanone	ND	400	380	95		380	95		57-130	0		20
Bromochloromethane	ND	400	380	95		390	98		70-130	3		20
1,2-Dibromoethane	ND	400	370	92		370	92		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	400	360	90		340	85		41-144	6		20
Isopropylbenzene	ND	400	380	95		360	90		70-130	5		20
1,2,3-Trichlorobenzene	ND	400	360	90		340	85		70-130	6		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002
Lab Number: L2116487
Report Date: 04/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-13 QC Batch ID: WG1483075-6 WG1483075-7 QC Sample: L2116487-09 Client ID: MW-24S												
1,2,4-Trichlorobenzene	ND	400	340	85		330	82		70-130	3		20
Methyl Acetate	ND	400	320	80		320	80		70-130	0		20
Cyclohexane	ND	400	370J	92		380J	95		70-130	3		20
1,4-Dioxane	ND	20000	18000	90		15000	75		56-162	18		20
Freon-113	ND	400	360	90		370	92		70-130	3		20
Methyl cyclohexane	ND	400	350J	88		350J	88		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
4-Bromofluorobenzene	95		92		70-130
Dibromofluoromethane	103		104		70-130
Toluene-d8	104		105		70-130

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002

Lab Number: L2116487
Report Date: 04/08/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2116487-01A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-01B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-01C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-02A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-02B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-02C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-03A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-03B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-03C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-04A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-04B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-04C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-05A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-05B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-05C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-06A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-06B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-06C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-07A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-07B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-07C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-08A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-08B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: 275 FRANKLIN ST
Project Number: B0156-020-001-002

Lab Number: L2116487
Report Date: 04/08/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2116487-08C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-09A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-09A1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-09A2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-09B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-09B1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-09B2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-09C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-09C1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-09C2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-10A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-10B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-10C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-11A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-11B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-11C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-12A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-12B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-12C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-13A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2116487-13B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	275 FRANKLIN ST	**Lab Number:**	L2116487
Project Number:	B0156-020-001-002	**Report Date:**	04/08/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	275 FRANKLIN ST	**Lab Number:**	L2116487
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REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

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Albany, NY 12205: 14 Walker Way
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Date Rec'd in Lab: 4/2/21 4/2/21

ALPHA Job #: L2116487

Client Information
Client: Benchmark Env. Eng.
Address: 2558 Hamburg Trnpk. Buffalo NY 14218
Phone: (716) 856-0599
Fax: (716) 856-0583
Email: lriker@bm-tk.com

Project Information
Project Name: 275 Franklin St. Site
Project Location: Buffalo NY
Project # B0156-020-001-002
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

CAT B

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	Sample Specific Comments	Total Bottle
16487-01	PZ-4R	4/1/21	750	Water	CCB	✓		3
-02	MW-5R		1005			✓		3
-03	PZ-5		940			✓		3
-04	PZ-6		830			✓		3
-05	PZ-11		1040			✓		3
-06	PZ-12		1105			✓		3
-07	PZ-13		1005			✓		3
-08	PZ-14		945			✓		3
-09	MW-24S (MS/MSD)					✓		9
-10	MW-24D					✓		3

Container Type: ✓
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
4/1/21 1330		AAR	4/01/21 14:30
	4/01/21 14:30		4/2/21 01:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 4/2/21

ALPHA Job # L2116487 ~~L2116487-CG~~

Client Information

Client: Benchmark Env. Eng.
Address: 2558 Hamburg Trnpke.
Buffalo NY 14218
Phone: (716) 856-0599
Fax: (716) 856-0583
Email: lriker@bm-tk.com

Project Information

Project Name: 275 Franklin St. Site
Project Location: Buffalo NY
Project # B0156-020-001-002
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

CATB

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	Sample Specific Comments	Total Bottle
16487-01	MW-23S	4/1/21	1300	Water	CCP	X		3
-02	Blind Dup	"	0800	"	"	X		3
-03	Trip Blank	"	900	"	"	X		3

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V							
Preservative	B							

Relinquished By:	Date/Time	Received By:	Date/Time
	4/1/21 1330		4/01/21 14:30
	4/01/21 14:30		4/2/21 0120

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

WATER LEVEL MONITORING RECORD

Project Name:	275 Franklin Street	Client:	Buffalo Development Corp.
Project No.:	B0156-020-001-002	Location:	Buffalo NY
Field Personnel:	CCB/CEH	Date:	4/1/2021
Weather:			

Well No.	Time	Top of Riser Elevation (fmsl)	Static Depth to Water (fbTOR)	Groundwater Elevation (fmsl)	Total Depth (fbTOR)	Last Total Depth Measurement (fbTOR)
PZ-1	--		--			
PZ-2	0743		12.07			
PZ-3	0739		11.54			
PZ-4R	0736		11.50			
PZ-5	0750		11.11			
PZ-6	0747		11.11			
PZ-7	0757		12.75			
PZ-8	0808		12.14			
PZ-9	0813		11.10			
PZ-10	0818		10.98			
PZ-11	0845		10.59			
PZ-12	1054		10.65			
PZ-13	0824		10.87			
PZ-14	0842		10.45			
MW-5R	0800		11.72			
MW-24S	0855		10.66			
MW-23S						
MW-25S	0910		12.66			
MW-26S	0900		13.04			
MW-27S	0905		13.68			

Comments/Remarks:

PZ-1; paved over

PREAPRED BY: DATE:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 275 Franklin Street Site | Date: 4/1/2021

Location: 275 Franklin Street | Project No.: B0156-020-001-002 | Field Team: CCB/CEH

Well No.	MW-24S	Diameter (inches):	2"	Sample Date / Time:	4/1/2021
Product Depth (fbTOR):		Water Column (ft):	7.96	DTW when sampled:	10.70
DTW (static) (fbTOR):	10.66	One Well Volume (gal):	1.30	Purpose:	☐ Development ☐ Sample ☑ Purge & Sample
Total Depth (fbTOR):	18.62	Total Volume Purged (gal):	5.00	Purge Method:	Low flow Sub Pump

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1055	0	Initial	0.00	7.76	10.6	2964	71000	2.49	50	Turbid, no odor
1058	1	10.78	1.00	7.58	10.4	2900	480	1.99	66	" " "
1101	2	10.70	1.50	7.48	10.4	2970	212	2.00	74	" " "
1104	3	10.70	2.00	7.42	10.8	2973	199	2.31	77	" " "
1107	4	10.70	2.50	7.40	11.0	2970	101	2.23	78	SL Turbid, no odor
1110	5	10.70	3.00	7.40	11.1	2970	48.9	2.06	80	Clear, no odor
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1115	S1	10.70	3.50	7.42	11.0	2989	27.3	2.22	83	Clear, no odor
1122	S2	10.70	5.00	7.44	10.2	2993	27.9	2.26	91	" " "

Well No.	MW-24D	Diameter (inches):	2"	Sample Date / Time:	4/1/2021
Product Depth (fbTOR):		Water Column (ft):	35.64	DTW when sampled:	
DTW (static) (fbTOR):	11.41	One Well Volume (gal):	5.81	Purpose:	☐ Development ☐ Sample ☑ Purge & Sample
Total Depth (fbTOR):	47.05	Total Volume Purged (gal):		Purge Method:	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1145	0	Initial	0	7.49	9.3	2448	71.5	3.60	-30	Clear/no odor
1148	1	11.60	1	7.36	11.7	2673	12.2	1.18	-64	" "
1152	2	11.55	2	7.31	12.1	2636	9.52	1.30	-74	" "
1154	3	11.55	2.5	7.33	12.0	2623	7.38	1.22	-78	" "
1200	4	11.55	4.5	7.30	11.6	2556	10.4	1.42	-84	" " "
1210	5	11.55	6.5	7.30	11.2	2539	8.41	1.74	-85	" " "
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1215	S1	11.55	8.0	7.31	11.5	2533	9.15	1.80	-90	" "
1220	S2	11.58	10	7.33	11.9	2559	10.2	1.84	-96	" "

REMARKS: MS/MSD taken with MW-24S

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 275 Franklin Street Site | Date: 4/1/2021

Location: 275 Franklin Street | Project No.: B0156-020-001-002 | Field Team: CCB/CEH

Well No.	PZ-4R	Diameter (inches):	1"	Sample Date / Time:	4/1/2021	750
Product Depth (fbTOR):	-	Water Column (ft):	2.74	DTW when sampled:	—	
DTW (static) (fbTOR):	11.5	One Well Volume (gal):	0.112	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample		
Total Depth (fbTOR):	14.24	Total Volume Purged (gal):		Purge Method:	Peristaltic	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
736	0	Initial	0	6.10	9.6	6529	197	11.01	226	clear no odor
739	1	—	0.25	6.51	9.8	6011	200	10.01	225	" "
741	2	—	0.75	6.76	9.7	5716	65.8	7.95	220	" "
743	3	—	1.0	6.84	9.1	5689	35.8	10.24	219	" "
745	4	—	1.25	7.06	9.2	5576	27.1	16.11	218	" "
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:				7.16						
750	S1	—	1.75	7.06	9.7	5519	31.7	10.47	212	" "
755	S2	—	2.0	7.22	9.4	5491	46	10.87	212	" "

Well No.	MW-5R	Diameter (inches):	2"	Sample Date / Time:	4/1/2021
Product Depth (fbTOR):		Water Column (ft):	7.12	DTW when sampled:	11.85
DTW (static) (fbTOR):	11.72	One Well Volume (gal):	1.16	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	18.84	Total Volume Purged (gal):	6.00	Purge Method:	Low Flow Sub Pump

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
0950	0	Initial	0.00	6.93	11.4	6794	53.8	2.10	155	clear, no odor
0954	1	11.96	1.00	6.98	11.8	6750	57.9	1.12	114	" " "
0956	2	11.90	2.50	6.99	11.5	6592	41.0	1.00	66	" " "
0959	3	11.90	3.00	7.00	11.7	6512	22.7	1.07	49	" " "
1002	4	11.87	3.50	7.05	11.8	6450	18.3	1.31	41	" " "
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1005	S1	11.85	4.50	7.06	12.0	6439	15.8	1.27	39	clear, no odor
1015	S2	11.87	6.00	7.13	11.9	6393	31.7	1.01	31	" " "

REMARKS: Blind Dup taken with MW-5R

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 275 Franklin Street Site | Date: 4/1/2021

Location: 275 Franklin Street | Project No.: B0156-020-001-002 | Field Team: CCB/CEH

Well No. PZ-5 | Diameter (inches): 1" | Sample Date / Time: 4/1/2021

Product Depth (fbTOR): — | Water Column (ft): 3.98 | DTW when sampled:

DTW (static) (fbTOR): 11.11 | One Well Volume (gal): 0.16 | Purpose: ☐ Development ☐ Sample ☑ Purge & Sample

Total Depth (fbTOR): 15.09 | Total Volume Purged (gal): | Purge Method:

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
851	0 Initial	0	7.53	7.52	2998	212	4.39	196	clear/no odor
854	1 —	0.25	7.47	11.0	2962	53.1	4.44	196	" "
856	2 —	0.5	7.48	11.2	2944	31.5	4.56	193	" "
858	3 —	1.75	7.49	11.2	2945	30.5	4.59	192	" "
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
900	S1 —	1.0	7.46	11.3	2945	26.1	4.52	191	" "
905	S2 —	1.25	7.39	11.0	2939	14.5	4.31	191	" "

Well No. PZ-6 | Diameter (inches): 1" | Sample Date / Time: 4/1/2021

Product Depth (fbTOR): — | Water Column (ft): 3.91 | DTW when sampled:

DTW (static) (fbTOR): 11.11 | One Well Volume (gal): 0.16 | Purpose: ☐ Development ☐ Sample ☐ Purge & Sample

Total Depth (fbTOR): 15.02 | Total Volume Purged (gal): | Purge Method:

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
818	0 Initial	0	7.63	10.9	2540	108	4.73	193	clear/no odor
822	1 —	0.25	7.45	11.2	2699	18.6	4.79	197	" "
824	2 —	0.5	7.45	11.8	2790	11.7	4.61	196	" "
826	3 —	0.75	7.41	11.3	2792	7.99	4.61	197	" "
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
830	S1 —	1.0	7.36	10.9	2802	4.39	4.50	195	" "
835	S2 —	1.5	7.44	10.9	2812	2.38	4.31	195	" "

REMARKS:

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 275 Franklin Street Site | Date: **4/1/2021**

Location: 275 Franklin Street | Project No.: B0156-020-001-002 | Field Team: CCB/CEH

Well No.	**PZ-11**	Diameter (inches):	1"	Sample Date / Time:	4/1/2021 1040
Product Depth (fbTOR):		Water Column (ft):	4.43	DTW when sampled:	
DTW (static) (fbTOR):	10.59	One Well Volume (gal):	0.18	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	15.02	Total Volume Purged (gal):		Purge Method:	for parameters

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1020	0	Initial	0	7.64	9.8	3674	15.0	6.52	74	Cloudy/no odor
1022	1	—	0.25	7.59	10.1	3663	5.04	6.57	75	" "
1024	2	—	0.5	7.55	10.1	3686	7.57	6.79	76	" "
1027	3	—	0.75	7.50	10.1	3717	6.43	6.30	81	" "
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1040	S1	—	1.0	7.50	10.3	3703	4.70	5.81	82	" "
1045	S2	—	1.25	7.48	10.5	3721	3.18	5.84	83	" "

Well No.	**PZ-12**	Diameter (inches):	1"	Sample Date / Time:	4/1/2021 1105
Product Depth (fbTOR):	—	Water Column (ft):	4.56	DTW when sampled:	
DTW (static) (fbTOR):	10.65	One Well Volume (gal):	0.18	Purpose: ☐ Development ☐ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	15.21	Total Volume Purged (gal):		Purge Method:	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1054	0	Initial	0	7.49	10.4	3497	29.2	4.74	87	Cloudy/no odor
1057	1	—	0.25	7.44	10.6	3291	13.0	4.43	87	" "
1059	2	—	0.5	7.44	10.7	3256	7.79	4.32	88	" "
1101	3	—	0.75	7.38	10.9	3243	5.68	4.51	89	" "
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1105	S1	—	1.0	7.40	10.7	3232	5.32	4.66	94	" "
1110	S2	—	1.25	7.44	10.6	3242	7.49	4.54	95	" "

REMARKS:

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 275 Franklin Street Site | Date: 4/1/2021

Location: 275 Franklin Street | Project No.: B0156-020-001-002 | Field Team: CCB/CEH

Well No. PZ-13			Diameter (inches): 1"			Sample Date / Time: 4/1/2021 1005			
Product Depth (fbTOR):			Water Column (ft): 2.11			DTW when sampled:			
DTW (static) (fbTOR): 10.87			One Well Volume (gal): 1.09			Purpose: ☐ Development ☐ Sample ☑ Purge & Sample			
Total Depth (fbTOR): 15.02 (12.98)			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
956	0 Initial	0	7.30	10.9	3764	>100	2.09	32	turbid/no odor
958	1 —	0.25	7.32	11.3	3835	215	2.12	31	clear/no odor
1000	2 —	0.5	7.35	11.3	3822	35.7	2.18	33	" "
1002	3 —	0.75	7.34	11.2	3826	23.2	2.15	37	" "
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1005	S1 —	1.0	7.38	11.4	3825	19.6	2.01	42	" "
1010	S2 —	1.25	7.42	11.3	3747	14.5	2.05	49	" "

Well No. PZ-14			Diameter (inches): 1"			Sample Date / Time: 4/1/2021 945			
Product Depth (fbTOR):			Water Column (ft): 4.58			DTW when sampled:			
DTW (static) (fbTOR): 10.45			One Well Volume (gal): 0.73			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR): 15.03			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
931	0 Initial	0	7.94	9.4	3967	>100	2.25	170	clear/no odor
936	1 —	0.25	7.66	10.4	3724	182	1.65	124	" "
939	2 —	0.5	7.52	10.6	3779	18	1.60	90	" "
940	3 —	0.75	7.46	10.6	3748	17.2	1.50	65	" "
942	4 —	1.0	7.42	10.7	3747	9.76	1.59	53	" "
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
945	S1 —	1.25	7.39	10.8	3789	6.22	1.71	39	" "
949	S2	1.5	7.37	10.6	3782	4.32	1.82	32	" "

REMARKS:

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: 275 Franklin Street Site | Date: **4/1/2021**

Location: 275 Franklin Street | Project No.: B0156-020-001-002 | Field Team: CCB/CEH

Well No.	**MW-23S**	Diameter (inches):	2"	Sample Date / Time:	4/1/2021	1300
Product Depth (fbTOR):		Water Column (ft):	7.05	DTW when sampled:		
DTW (static) (fbTOR):	11.58	One Well Volume (gal):	1.15	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample		
Total Depth (fbTOR):	18.55	Total Volume Purged (gal):		Purge Method: Low Flow		

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1250	0	Initial	0	7.65	8.9	2673	200	1.51	-42	clear / No odor
1252	1	11.72	1.5	7.53	9.8	2685	118	1.43	-9	"
1254	2	11.75	2.0	7.93	10.0	2761	62.6	2.03	1	"
1256	3	11.75	3.0	7.45	10.0	2790	26.8	1.77	9	"
1258	4	11.75	3.5	7.42	10.2	2798	14.4	1.59	17	"
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1300	S1	11.75	4.0	7.42	10.2	2791	13.0	1.60	20	"
1305	S2	11.75	5.0	7.41	10.1	2708	7.92	1.69	25	"

Well No.		Diameter (inches):		Sample Date / Time:	
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):		One Well Volume (gal):		Purpose: ☐ Development ☐ Sample ☐ Purge & Sample	
Total Depth (fbTOR):		Total Volume Purged (gal):		Purge Method:	

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0	Initial								
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
	S1									
	S2									

REMARKS:

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: **275 Franklin Street Site**

Project No.: B0156-020-001-002

Client: Buffalo Development Group

Date: 4/1/2021

Instrument Source: [X] BM [ ] Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
[X] pH meter	units	0930	Myron L Company Ultra Meter 6P	6213516 [ ] 6243084 [ ] 6212375 [X] 6243003 [ ] 6223973 [ ]	CEH	4.00 7.00 10.01	4.03 6.99 10.03	
[X] Turbidity meter	NTU	0930	Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) [ ] 13120C030432 (Q) [X] 17110C062619 (Q) [ ]	CEH	10 NTU verification < 0.4 20 100 800	9.86	
[X] Sp. Cond. meter	uS mS	0930	Myron L Company Ultra Meter 6P	6213516 [ ] 6243084 [ ] 6212375 [X] 6243003 [ ] 6223973 [ ]	CEH	7000 mS @ 25 °C	7006	
[ ] PID	ppm		MinRAE 2000			open air zero ____ ppm Iso. Gas		MIBK response factor = 1.0
[X] Dissolved Oxygen	ppm	0930	HACH Model HQ30d	080700023281 [ ] 100500041867 [X] 140200100319 [ ]	CEH	100% Satuartion	100% 101.2% slope	
[ ] Particulate meter	mg/m^3					zero air		
[ ] Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: CEH **DATE:** 4/1/21

eurofins | Environment Testing America

ANALYTICAL REPORT

Job Number: 480-182853-1

Job Description: 275 Franklin Street #C915208A

Contract Number: C100700

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, NY 14203

Attention: Megan Kuczka



Approved for release.
Orlette S Johnson
Senior Project Manager
4/13/2021 8:08 AM

Orlette S Johnson, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0864
Orlette.Johnson@Eurofinset.com
04/13/2021

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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

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Job Narrative
480-182853-1

Receipt
The samples were received on 4/6/2021 8:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-25S (480-182853-1), MW-26S (480-182853-2), MW-26S (480-182853-2[MS]), MW-26S (480-182853-2[MSD]), MW-24D (480-182853-4) and DUP (480-182853-6). Elevated reporting limits (RLs) are provided.

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

Sample Summary

Client: New York State D.E.C.
Job ID: 480-182853-1
Project/Site: 275 Franklin Street #C915208A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-182853-1	MW-25S	Water	04/05/21 10:15	04/06/21 08:20	
480-182853-2	MW-26S	Water	04/05/21 09:00	04/06/21 08:20	
480-182853-3	MW-27S	Water	04/05/21 11:05	04/06/21 08:20	
480-182853-4	MW-24D	Water	04/05/21 13:50	04/06/21 08:20	
480-182853-5	MW-23D	Water	04/05/21 12:40	04/06/21 08:20	
480-182853-6	DUP	Water	04/05/21 00:00	04/06/21 08:20	
480-182853-7	TRIP BLANK	Water	04/05/21 00:00	04/06/21 08:20	

Detection Summary

Client: New York State D.E.C.
Job ID: 480-182853-1
Project/Site: 275 Franklin Street #C915208A

Client Sample ID: MW-25S — Lab Sample ID: 480-182853-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	3.3	J	8.0	2.7	ug/L	8		8260C	Total/NA
cis-1,2-Dichloroethene	580		8.0	6.5	ug/L	8		8260C	Total/NA
Tetrachloroethene	560		8.0	2.9	ug/L	8		8260C	Total/NA
Trichloroethene	25		8.0	3.7	ug/L	8		8260C	Total/NA
Vinyl chloride	7.2	J	8.0	7.2	ug/L	8		8260C	Total/NA

Client Sample ID: MW-26S — Lab Sample ID: 480-182853-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	38		20	16	ug/L	20		8260C	Total/NA
Tetrachloroethene	860		20	7.2	ug/L	20		8260C	Total/NA
Trichloroethene	36		20	9.2	ug/L	20		8260C	Total/NA

Client Sample ID: MW-27S — Lab Sample ID: 480-182853-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.4		1.0	0.34	ug/L	1		8260C	Total/NA
Tetrachloroethene	6.6		1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: MW-24D — Lab Sample ID: 480-182853-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	200		8.0	6.5	ug/L	8		8260C	Total/NA
Tetrachloroethene	310		8.0	2.9	ug/L	8		8260C	Total/NA
Trichloroethene	120		8.0	3.7	ug/L	8		8260C	Total/NA

Client Sample ID: MW-23D — Lab Sample ID: 480-182853-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.6		1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: DUP — Lab Sample ID: 480-182853-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	3.8	J	8.0	2.7	ug/L	8		8260C	Total/NA
cis-1,2-Dichloroethene	590		8.0	6.5	ug/L	8		8260C	Total/NA
Tetrachloroethene	580		8.0	2.9	ug/L	8		8260C	Total/NA
trans-1,2-Dichloroethene	7.4	J	8.0	7.2	ug/L	8		8260C	Total/NA
Trichloroethene	26		8.0	3.7	ug/L	8		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-182853-7

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Job ID: 480-182853-1
Project/Site: 275 Franklin Street #C915208A

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

Protocol References:

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

Laboratory References:

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

Client Sample ID: MW-25S
Lab Sample ID: 480-182853-1

Date Collected: 04/05/21 10:15
Matrix: Water

Date Received: 04/06/21 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			04/07/21 16:43	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			04/07/21 16:43	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			04/07/21 16:43	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			04/07/21 16:43	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			04/07/21 16:43	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			04/07/21 16:43	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			04/07/21 16:43	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			04/07/21 16:43	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			04/07/21 16:43	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			04/07/21 16:43	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			04/07/21 16:43	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			04/07/21 16:43	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			04/07/21 16:43	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			04/07/21 16:43	8
2-Hexanone	ND		40	9.9	ug/L			04/07/21 16:43	8
2-Butanone (MEK)	ND		80	11	ug/L			04/07/21 16:43	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			04/07/21 16:43	8
Acetone	ND		80	24	ug/L			04/07/21 16:43	8
Benzene	ND		8.0	3.3	ug/L			04/07/21 16:43	8
Bromodichloromethane	ND		8.0	3.1	ug/L			04/07/21 16:43	8
Bromoform	ND		8.0	2.1	ug/L			04/07/21 16:43	8
Bromomethane	ND		8.0	5.5	ug/L			04/07/21 16:43	8
Carbon disulfide	ND		8.0	1.5	ug/L			04/07/21 16:43	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			04/07/21 16:43	8
Chlorobenzene	ND		8.0	6.0	ug/L			04/07/21 16:43	8
Dibromochloromethane	ND		8.0	2.6	ug/L			04/07/21 16:43	8
Chloroethane	ND		8.0	2.6	ug/L			04/07/21 16:43	8
Chloroform	**3.3**	**J**	8.0	2.7	ug/L			04/07/21 16:43	8
Chloromethane	ND		8.0	2.8	ug/L			04/07/21 16:43	8
cis-1,2-Dichloroethene	**580**		8.0	6.5	ug/L			04/07/21 16:43	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			04/07/21 16:43	8
Cyclohexane	ND		8.0	1.4	ug/L			04/07/21 16:43	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			04/07/21 16:43	8
Ethylbenzene	ND		8.0	5.9	ug/L			04/07/21 16:43	8
Isopropylbenzene	ND		8.0	6.3	ug/L			04/07/21 16:43	8
Methyl acetate	ND		20	10	ug/L			04/07/21 16:43	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			04/07/21 16:43	8
Methylcyclohexane	ND		8.0	1.3	ug/L			04/07/21 16:43	8
Methylene Chloride	ND		8.0	3.5	ug/L			04/07/21 16:43	8
Styrene	ND		8.0	5.8	ug/L			04/07/21 16:43	8
Tetrachloroethene	**560**		8.0	2.9	ug/L			04/07/21 16:43	8
Toluene	ND		8.0	4.1	ug/L			04/07/21 16:43	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			04/07/21 16:43	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			04/07/21 16:43	8
Trichloroethene	**25**		8.0	3.7	ug/L			04/07/21 16:43	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			04/07/21 16:43	8
Vinyl chloride	**7.2**	**J**	8.0	7.2	ug/L			04/07/21 16:43	8
Xylenes, Total	ND		16	5.3	ug/L			04/07/21 16:43	8

Client Sample ID: MW-25S
Lab Sample ID: 480-182853-1

Date Collected: 04/05/21 10:15
Matrix: Water
Date Received: 04/06/21 08:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*04/07/21 16:43*	*8*
Toluene-d8 (Surr)	*106*		*80 - 120*		*04/07/21 16:43*	*8*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*04/07/21 16:43*	*8*

Client Sample ID: MW-26S
Lab Sample ID: 480-182853-2

Date Collected: 04/05/21 09:00
Matrix: Water
Date Received: 04/06/21 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			04/07/21 17:06	20
1,1,2,2-Tetrachloroethane	ND	F1 F2	20	4.2	ug/L			04/07/21 17:06	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			04/07/21 17:06	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			04/07/21 17:06	20
1,1-Dichloroethane	ND		20	7.6	ug/L			04/07/21 17:06	20
1,1-Dichloroethene	ND		20	5.8	ug/L			04/07/21 17:06	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			04/07/21 17:06	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			04/07/21 17:06	20
1,2-Dibromoethane	ND		20	15	ug/L			04/07/21 17:06	20
1,2-Dichlorobenzene	ND		20	16	ug/L			04/07/21 17:06	20
1,2-Dichloroethane	ND		20	4.2	ug/L			04/07/21 17:06	20
1,2-Dichloropropane	ND		20	14	ug/L			04/07/21 17:06	20
1,3-Dichlorobenzene	ND		20	16	ug/L			04/07/21 17:06	20
1,4-Dichlorobenzene	ND		20	17	ug/L			04/07/21 17:06	20
2-Hexanone	ND		100	25	ug/L			04/07/21 17:06	20
2-Butanone (MEK)	ND		200	26	ug/L			04/07/21 17:06	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			04/07/21 17:06	20
Acetone	ND	F2	200	60	ug/L			04/07/21 17:06	20
Benzene	ND		20	8.2	ug/L			04/07/21 17:06	20
Bromodichloromethane	ND		20	7.8	ug/L			04/07/21 17:06	20
Bromoform	ND		20	5.2	ug/L			04/07/21 17:06	20
Bromomethane	ND		20	14	ug/L			04/07/21 17:06	20
Carbon disulfide	ND	F2	20	3.8	ug/L			04/07/21 17:06	20
Carbon tetrachloride	ND		20	5.4	ug/L			04/07/21 17:06	20
Chlorobenzene	ND		20	15	ug/L			04/07/21 17:06	20
Dibromochloromethane	ND		20	6.4	ug/L			04/07/21 17:06	20
Chloroethane	ND		20	6.4	ug/L			04/07/21 17:06	20
Chloroform	ND		20	6.8	ug/L			04/07/21 17:06	20
Chloromethane	ND		20	7.0	ug/L			04/07/21 17:06	20
cis-1,2-Dichloroethene	**38**		20	16	ug/L			04/07/21 17:06	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			04/07/21 17:06	20
Cyclohexane	ND		20	3.6	ug/L			04/07/21 17:06	20
Dichlorodifluoromethane	ND		20	14	ug/L			04/07/21 17:06	20
Ethylbenzene	ND		20	15	ug/L			04/07/21 17:06	20
Isopropylbenzene	ND		20	16	ug/L			04/07/21 17:06	20
Methyl acetate	ND		50	26	ug/L			04/07/21 17:06	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			04/07/21 17:06	20
Methylcyclohexane	ND		20	3.2	ug/L			04/07/21 17:06	20
Methylene Chloride	ND		20	8.8	ug/L			04/07/21 17:06	20
Styrene	ND		20	15	ug/L			04/07/21 17:06	20

Client Sample ID: MW-26S
Lab Sample ID: 480-182853-2
Date Collected: 04/05/21 09:00
Matrix: Water
Date Received: 04/06/21 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**860**		20	7.2	ug/L			04/07/21 17:06	20
Toluene	ND		20	10	ug/L			04/07/21 17:06	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			04/07/21 17:06	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			04/07/21 17:06	20
Trichloroethene	**36**		20	9.2	ug/L			04/07/21 17:06	20
Trichlorofluoromethane	ND		20	18	ug/L			04/07/21 17:06	20
Vinyl chloride	ND	F2	20	18	ug/L			04/07/21 17:06	20
Xylenes, Total	ND		40	13	ug/L			04/07/21 17:06	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*04/07/21 17:06*	*20*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/07/21 17:06*	*20*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/07/21 17:06*	*20*

Client Sample ID: MW-27S
Lab Sample ID: 480-182853-3
Date Collected: 04/05/21 11:05
Matrix: Water
Date Received: 04/06/21 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/21 17:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/21 17:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/21 17:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/21 17:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/21 17:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/21 17:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/21 17:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/21 17:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/21 17:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/21 17:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/21 17:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/21 17:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/21 17:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/21 17:30	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/21 17:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/21 17:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/21 17:30	1
Acetone	ND		10	3.0	ug/L			04/07/21 17:30	1
Benzene	ND		1.0	0.41	ug/L			04/07/21 17:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/21 17:30	1
Bromoform	ND		1.0	0.26	ug/L			04/07/21 17:30	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/21 17:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/21 17:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/21 17:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/21 17:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/21 17:30	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/21 17:30	1
Chloroform	**1.4**		1.0	0.34	ug/L			04/07/21 17:30	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/21 17:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/21 17:30	1

Client Sample ID: MW-27S
Lab Sample ID: 480-182853-3
Date Collected: 04/05/21 11:05
Matrix: Water
Date Received: 04/06/21 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/21 17:30	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/21 17:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/21 17:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/21 17:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/21 17:30	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/21 17:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/21 17:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/21 17:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/21 17:30	1
Styrene	ND		1.0	0.73	ug/L			04/07/21 17:30	1
Tetrachloroethene	**6.6**		1.0	0.36	ug/L			04/07/21 17:30	1
Toluene	ND		1.0	0.51	ug/L			04/07/21 17:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/21 17:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/21 17:30	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/21 17:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/21 17:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/21 17:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/21 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/07/21 17:30*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/07/21 17:30*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*04/07/21 17:30*	*1*

Client Sample ID: MW-24D
Lab Sample ID: 480-182853-4
Date Collected: 04/05/21 13:50
Matrix: Water
Date Received: 04/06/21 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			04/07/21 17:53	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			04/07/21 17:53	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			04/07/21 17:53	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			04/07/21 17:53	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			04/07/21 17:53	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			04/07/21 17:53	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			04/07/21 17:53	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			04/07/21 17:53	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			04/07/21 17:53	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			04/07/21 17:53	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			04/07/21 17:53	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			04/07/21 17:53	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			04/07/21 17:53	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			04/07/21 17:53	8
2-Hexanone	ND		40	9.9	ug/L			04/07/21 17:53	8
2-Butanone (MEK)	ND		80	11	ug/L			04/07/21 17:53	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			04/07/21 17:53	8
Acetone	ND		80	24	ug/L			04/07/21 17:53	8
Benzene	ND		8.0	3.3	ug/L			04/07/21 17:53	8
Bromodichloromethane	ND		8.0	3.1	ug/L			04/07/21 17:53	8

Client Sample ID: MW-24D
Lab Sample ID: 480-182853-4

Date Collected: 04/05/21 13:50
Matrix: Water
Date Received: 04/06/21 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		8.0	2.1	ug/L			04/07/21 17:53	8
Bromomethane	ND		8.0	5.5	ug/L			04/07/21 17:53	8
Carbon disulfide	ND		8.0	1.5	ug/L			04/07/21 17:53	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			04/07/21 17:53	8
Chlorobenzene	ND		8.0	6.0	ug/L			04/07/21 17:53	8
Dibromochloromethane	ND		8.0	2.6	ug/L			04/07/21 17:53	8
Chloroethane	ND		8.0	2.6	ug/L			04/07/21 17:53	8
Chloroform	ND		8.0	2.7	ug/L			04/07/21 17:53	8
Chloromethane	ND		8.0	2.8	ug/L			04/07/21 17:53	8
cis-1,2-Dichloroethene	**200**		8.0	6.5	ug/L			04/07/21 17:53	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			04/07/21 17:53	8
Cyclohexane	ND		8.0	1.4	ug/L			04/07/21 17:53	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			04/07/21 17:53	8
Ethylbenzene	ND		8.0	5.9	ug/L			04/07/21 17:53	8
Isopropylbenzene	ND		8.0	6.3	ug/L			04/07/21 17:53	8
Methyl acetate	ND		20	10	ug/L			04/07/21 17:53	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			04/07/21 17:53	8
Methylcyclohexane	ND		8.0	1.3	ug/L			04/07/21 17:53	8
Methylene Chloride	ND		8.0	3.5	ug/L			04/07/21 17:53	8
Styrene	ND		8.0	5.8	ug/L			04/07/21 17:53	8
Tetrachloroethene	**310**		8.0	2.9	ug/L			04/07/21 17:53	8
Toluene	ND		8.0	4.1	ug/L			04/07/21 17:53	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			04/07/21 17:53	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			04/07/21 17:53	8
Trichloroethene	**120**		8.0	3.7	ug/L			04/07/21 17:53	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			04/07/21 17:53	8
Vinyl chloride	ND		8.0	7.2	ug/L			04/07/21 17:53	8
Xylenes, Total	ND		16	5.3	ug/L			04/07/21 17:53	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/07/21 17:53*	*8*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/07/21 17:53*	*8*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*04/07/21 17:53*	*8*

Client Sample ID: MW-23D
Lab Sample ID: 480-182853-5

Date Collected: 04/05/21 12:40
Matrix: Water
Date Received: 04/06/21 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/21 18:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/21 18:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/21 18:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/21 18:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/21 18:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/21 18:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/21 18:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/21 18:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/21 18:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/21 18:17	1

Client Sample ID: MW-23D
Lab Sample ID: 480-182853-5

Date Collected: 04/05/21 12:40
Matrix: Water
Date Received: 04/06/21 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/21 18:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/21 18:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/21 18:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/21 18:17	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/21 18:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/21 18:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/21 18:17	1
Acetone	ND		10	3.0	ug/L			04/07/21 18:17	1
Benzene	ND		1.0	0.41	ug/L			04/07/21 18:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/21 18:17	1
Bromoform	ND		1.0	0.26	ug/L			04/07/21 18:17	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/21 18:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/21 18:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/21 18:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/21 18:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/21 18:17	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/21 18:17	1
Chloroform	ND		1.0	0.34	ug/L			04/07/21 18:17	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/21 18:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/21 18:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/21 18:17	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/21 18:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/21 18:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/21 18:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/21 18:17	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/21 18:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/21 18:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/21 18:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/21 18:17	1
Styrene	ND		1.0	0.73	ug/L			04/07/21 18:17	1
Tetrachloroethene	**1.6**		1.0	0.36	ug/L			04/07/21 18:17	1
Toluene	ND		1.0	0.51	ug/L			04/07/21 18:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/21 18:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/21 18:17	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/21 18:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/21 18:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/21 18:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/21 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*04/07/21 18:17*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*04/07/21 18:17*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*04/07/21 18:17*	*1*

Client Sample ID: DUP
Lab Sample ID: 480-182853-6

Date Collected: 04/05/21 00:00
Matrix: Water
Date Received: 04/06/21 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			04/07/21 18:40	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			04/07/21 18:40	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			04/07/21 18:40	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			04/07/21 18:40	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			04/07/21 18:40	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			04/07/21 18:40	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			04/07/21 18:40	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			04/07/21 18:40	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			04/07/21 18:40	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			04/07/21 18:40	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			04/07/21 18:40	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			04/07/21 18:40	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			04/07/21 18:40	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			04/07/21 18:40	8
2-Hexanone	ND		40	9.9	ug/L			04/07/21 18:40	8
2-Butanone (MEK)	ND		80	11	ug/L			04/07/21 18:40	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			04/07/21 18:40	8
Acetone	ND		80	24	ug/L			04/07/21 18:40	8
Benzene	ND		8.0	3.3	ug/L			04/07/21 18:40	8
Bromodichloromethane	ND		8.0	3.1	ug/L			04/07/21 18:40	8
Bromoform	ND		8.0	2.1	ug/L			04/07/21 18:40	8
Bromomethane	ND		8.0	5.5	ug/L			04/07/21 18:40	8
Carbon disulfide	ND		8.0	1.5	ug/L			04/07/21 18:40	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			04/07/21 18:40	8
Chlorobenzene	ND		8.0	6.0	ug/L			04/07/21 18:40	8
Dibromochloromethane	ND		8.0	2.6	ug/L			04/07/21 18:40	8
Chloroethane	ND		8.0	2.6	ug/L			04/07/21 18:40	8
Chloroform	**3.8**	**J**	8.0	2.7	ug/L			04/07/21 18:40	8
Chloromethane	ND		8.0	2.8	ug/L			04/07/21 18:40	8
cis-1,2-Dichloroethene	**590**		8.0	6.5	ug/L			04/07/21 18:40	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			04/07/21 18:40	8
Cyclohexane	ND		8.0	1.4	ug/L			04/07/21 18:40	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			04/07/21 18:40	8
Ethylbenzene	ND		8.0	5.9	ug/L			04/07/21 18:40	8
Isopropylbenzene	ND		8.0	6.3	ug/L			04/07/21 18:40	8
Methyl acetate	ND		20	10	ug/L			04/07/21 18:40	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			04/07/21 18:40	8
Methylcyclohexane	ND		8.0	1.3	ug/L			04/07/21 18:40	8
Methylene Chloride	ND		8.0	3.5	ug/L			04/07/21 18:40	8
Styrene	ND		8.0	5.8	ug/L			04/07/21 18:40	8
Tetrachloroethene	**580**		8.0	2.9	ug/L			04/07/21 18:40	8
Toluene	ND		8.0	4.1	ug/L			04/07/21 18:40	8
trans-1,2-Dichloroethene	**7.4**	**J**	8.0	7.2	ug/L			04/07/21 18:40	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			04/07/21 18:40	8
Trichloroethene	**26**		8.0	3.7	ug/L			04/07/21 18:40	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			04/07/21 18:40	8
Vinyl chloride	ND		8.0	7.2	ug/L			04/07/21 18:40	8
Xylenes, Total	ND		16	5.3	ug/L			04/07/21 18:40	8

Client Sample ID: DUP
Lab Sample ID: 480-182853-6

Date Collected: 04/05/21 00:00
Matrix: Water
Date Received: 04/06/21 08:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*04/07/21 18:40*	*8*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/07/21 18:40*	*8*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*04/07/21 18:40*	*8*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-182853-7

Date Collected: 04/05/21 00:00
Matrix: Water
Date Received: 04/06/21 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/21 19:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/21 19:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/21 19:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/21 19:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/21 19:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/21 19:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/21 19:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/21 19:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/21 19:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/21 19:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/21 19:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/21 19:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/21 19:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/21 19:04	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/21 19:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/21 19:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/21 19:04	1
Acetone	ND		10	3.0	ug/L			04/07/21 19:04	1
Benzene	ND		1.0	0.41	ug/L			04/07/21 19:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/21 19:04	1
Bromoform	ND		1.0	0.26	ug/L			04/07/21 19:04	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/21 19:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/21 19:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/21 19:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/21 19:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/21 19:04	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/21 19:04	1
Chloroform	ND		1.0	0.34	ug/L			04/07/21 19:04	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/21 19:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/21 19:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/21 19:04	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/21 19:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/21 19:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/21 19:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/21 19:04	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/21 19:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/21 19:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/21 19:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/21 19:04	1
Styrene	ND		1.0	0.73	ug/L			04/07/21 19:04	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-182853-7

Date Collected: 04/05/21 00:00
Matrix: Water
Date Received: 04/06/21 08:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/21 19:04	1
Toluene	ND		1.0	0.51	ug/L			04/07/21 19:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/21 19:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/21 19:04	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/21 19:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/21 19:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/21 19:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/21 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*04/07/21 19:04*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/07/21 19:04*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*04/07/21 19:04*	*1*

Surrogate Summary

Client: New York State D.E.C.
Job ID: 480-182853-1
Project/Site: 275 Franklin Street #C915208A

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	TOL	BFB
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)
480-182853-1	MW-25S	109	106	110
480-182853-2	MW-26S	102	102	100
480-182853-2 MS	MW-26S	107	106	104
480-182853-2 MSD	MW-26S	102	109	108
480-182853-3	MW-27S	106	103	104
480-182853-4	MW-24D	106	105	107
480-182853-5	MW-23D	107	107	110
480-182853-6	DUP	106	104	107
480-182853-7	TRIP BLANK	109	105	102
LCS 480-575330/5	Lab Control Sample	103	110	107
MB 480-575330/7	Method Blank	108	108	108

Surrogate Legend

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

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

Lab Sample ID: MB 480-575330/7
Matrix: Water
Analysis Batch: 575330

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/07/21 11:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/07/21 11:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/07/21 11:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/07/21 11:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/07/21 11:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/07/21 11:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/07/21 11:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/07/21 11:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/07/21 11:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/07/21 11:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/07/21 11:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/07/21 11:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/07/21 11:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/07/21 11:00	1
2-Hexanone	ND		5.0	1.2	ug/L			04/07/21 11:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/07/21 11:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/07/21 11:00	1
Acetone	ND		10	3.0	ug/L			04/07/21 11:00	1
Benzene	ND		1.0	0.41	ug/L			04/07/21 11:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/07/21 11:00	1
Bromoform	ND		1.0	0.26	ug/L			04/07/21 11:00	1
Bromomethane	ND		1.0	0.69	ug/L			04/07/21 11:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/07/21 11:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/07/21 11:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/07/21 11:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/07/21 11:00	1
Chloroethane	ND		1.0	0.32	ug/L			04/07/21 11:00	1
Chloroform	ND		1.0	0.34	ug/L			04/07/21 11:00	1
Chloromethane	ND		1.0	0.35	ug/L			04/07/21 11:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/07/21 11:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/07/21 11:00	1
Cyclohexane	ND		1.0	0.18	ug/L			04/07/21 11:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/07/21 11:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/07/21 11:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/07/21 11:00	1
Methyl acetate	ND		2.5	1.3	ug/L			04/07/21 11:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/07/21 11:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/07/21 11:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/07/21 11:00	1
Styrene	ND		1.0	0.73	ug/L			04/07/21 11:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/07/21 11:00	1
Toluene	ND		1.0	0.51	ug/L			04/07/21 11:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/07/21 11:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/07/21 11:00	1
Trichloroethene	ND		1.0	0.46	ug/L			04/07/21 11:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/07/21 11:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/07/21 11:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/07/21 11:00	1

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

Lab Sample ID: MB 480-575330/7
Matrix: Water
Analysis Batch: 575330

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		04/07/21 11:00	1
Toluene-d8 (Surr)	108		80 - 120		04/07/21 11:00	1
4-Bromofluorobenzene (Surr)	108		73 - 120		04/07/21 11:00	1

Lab Sample ID: LCS 480-575330/5
Matrix: Water
Analysis Batch: 575330

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.6		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	29.8		ug/L		119	76 - 120
1,1,2-Trichloroethane	25.0	28.5		ug/L		114	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.3		ug/L		101	61 - 148
1,1-Dichloroethane	25.0	26.0		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	24.5		ug/L		98	66 - 127
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	28.1		ug/L		112	56 - 134
1,2-Dibromoethane	25.0	28.5		ug/L		114	77 - 120
1,2-Dichlorobenzene	25.0	27.2		ug/L		109	80 - 124
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	26.7		ug/L		107	76 - 120
1,3-Dichlorobenzene	25.0	27.0		ug/L		108	77 - 120
1,4-Dichlorobenzene	25.0	26.4		ug/L		106	80 - 120
2-Hexanone	125	139		ug/L		111	65 - 127
2-Butanone (MEK)	125	157		ug/L		126	57 - 140
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		109	71 - 125
Acetone	125	144		ug/L		115	56 - 142
Benzene	25.0	25.9		ug/L		103	71 - 124
Bromodichloromethane	25.0	27.9		ug/L		112	80 - 122
Bromoform	25.0	31.5		ug/L		126	61 - 132
Bromomethane	25.0	23.7		ug/L		95	55 - 144
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134
Carbon tetrachloride	25.0	27.5		ug/L		110	72 - 134
Chlorobenzene	25.0	27.8		ug/L		111	80 - 120
Dibromochloromethane	25.0	30.5		ug/L		122	75 - 125
Chloroethane	25.0	22.7		ug/L		91	69 - 136
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	23.7		ug/L		95	68 - 124
cis-1,2-Dichloroethene	25.0	26.9		ug/L		108	74 - 124
cis-1,3-Dichloropropene	25.0	29.4		ug/L		118	74 - 124
Cyclohexane	25.0	24.7		ug/L		99	59 - 135
Dichlorodifluoromethane	25.0	20.1		ug/L		80	59 - 135
Ethylbenzene	25.0	26.8		ug/L		107	77 - 123
Isopropylbenzene	25.0	28.5		ug/L		114	77 - 122
Methyl acetate	50.0	42.6		ug/L		85	74 - 133
Methyl tert-butyl ether	25.0	24.5		ug/L		98	77 - 120
Methylcyclohexane	25.0	25.5		ug/L		102	68 - 134
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124

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

Lab Sample ID: LCS 480-575330/5
Matrix: Water
Analysis Batch: 575330

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	26.3		ug/L		105	80 - 120
Tetrachloroethene	25.0	25.9		ug/L		103	74 - 122
Toluene	25.0	27.1		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	24.6		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	28.6		ug/L		115	80 - 120
Trichloroethene	25.0	26.1		ug/L		104	74 - 123
Trichlorofluoromethane	25.0	21.5		ug/L		86	62 - 150
Vinyl chloride	25.0	21.0		ug/L		84	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
Toluene-d8 (Surr)	*110*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*

Lab Sample ID: 480-182853-2 MS
Matrix: Water
Analysis Batch: 575330

Client Sample ID: MW-26S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		500	606		ug/L		121	73 - 126
1,1,2,2-Tetrachloroethane	ND	F1 F2	500	523		ug/L		105	76 - 120
1,1,2-Trichloroethane	ND		500	539		ug/L		108	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	596		ug/L		119	61 - 148
1,1-Dichloroethane	ND		500	583		ug/L		117	77 - 120
1,1-Dichloroethene	ND		500	584		ug/L		117	66 - 127
1,2,4-Trichlorobenzene	ND		500	529		ug/L		106	79 - 122
1,2-Dibromo-3-Chloropropane	ND		500	511		ug/L		102	56 - 134
1,2-Dibromoethane	ND		500	537		ug/L		107	77 - 120
1,2-Dichlorobenzene	ND		500	534		ug/L		107	80 - 124
1,2-Dichloroethane	ND		500	557		ug/L		111	75 - 120
1,2-Dichloropropane	ND		500	567		ug/L		113	76 - 120
1,3-Dichlorobenzene	ND		500	512		ug/L		102	77 - 120
1,4-Dichlorobenzene	ND		500	504		ug/L		101	78 - 124
2-Hexanone	ND		2500	2680		ug/L		107	65 - 127
2-Butanone (MEK)	ND		2500	2820		ug/L		113	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		2500	2780		ug/L		111	71 - 125
Acetone	ND	F2	2500	3060		ug/L		122	56 - 142
Benzene	ND		500	568		ug/L		114	71 - 124
Bromodichloromethane	ND		500	571		ug/L		114	80 - 122
Bromoform	ND		500	589		ug/L		118	61 - 132
Bromomethane	ND		500	493		ug/L		99	55 - 144
Carbon disulfide	ND	F2	500	589		ug/L		118	59 - 134
Carbon tetrachloride	ND		500	618		ug/L		124	72 - 134
Chlorobenzene	ND		500	557		ug/L		111	80 - 120
Dibromochloromethane	ND		500	592		ug/L		118	75 - 125
Chloroethane	ND		500	539		ug/L		108	69 - 136
Chloroform	ND		500	554		ug/L		111	73 - 127
Chloromethane	ND		500	566		ug/L		113	68 - 124

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

Lab Sample ID: 480-182853-2 MS
Matrix: Water
Analysis Batch: 575330

Client Sample ID: MW-26S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	38		500	640		ug/L		120	74 - 124
cis-1,3-Dichloropropene	ND		500	547		ug/L		109	74 - 124
Cyclohexane	ND		500	579		ug/L		116	59 - 135
Dichlorodifluoromethane	ND		500	544		ug/L		109	59 - 135
Ethylbenzene	ND		500	570		ug/L		114	77 - 123
Isopropylbenzene	ND		500	560		ug/L		112	77 - 122
Methyl acetate	ND		1000	1160		ug/L		116	74 - 133
Methyl tert-butyl ether	ND		500	579		ug/L		116	77 - 120
Methylcyclohexane	ND		500	568		ug/L		114	68 - 134
Methylene Chloride	ND		500	587		ug/L		117	75 - 124
Styrene	ND		500	544		ug/L		109	80 - 120
Tetrachloroethene	860		500	1360		ug/L		100	74 - 122
Toluene	ND		500	562		ug/L		112	80 - 122
trans-1,2-Dichloroethene	ND		500	578		ug/L		116	73 - 127
trans-1,3-Dichloropropene	ND		500	510		ug/L		102	80 - 120
Trichloroethene	36		500	619		ug/L		117	74 - 123
Trichlorofluoromethane	ND		500	563		ug/L		113	62 - 150
Vinyl chloride	ND	F2	500	546		ug/L		109	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*

Lab Sample ID: 480-182853-2 MSD
Matrix: Water
Analysis Batch: 575330

Client Sample ID: MW-26S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		500	526		ug/L		105	73 - 126	14	15
1,1,2,2-Tetrachloroethane	ND	F1 F2	500	621	F1 F2	ug/L		124	76 - 120	17	15
1,1,2-Trichloroethane	ND		500	567		ug/L		113	76 - 122	5	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	514		ug/L		103	61 - 148	15	20
1,1-Dichloroethane	ND		500	531		ug/L		106	77 - 120	9	20
1,1-Dichloroethene	ND		500	500		ug/L		100	66 - 127	15	16
1,2,4-Trichlorobenzene	ND		500	527		ug/L		105	79 - 122	0	20
1,2-Dibromo-3-Chloropropane	ND		500	580		ug/L		116	56 - 134	13	15
1,2-Dibromoethane	ND		500	574		ug/L		115	77 - 120	7	15
1,2-Dichlorobenzene	ND		500	566		ug/L		113	80 - 124	6	20
1,2-Dichloroethane	ND		500	514		ug/L		103	75 - 120	8	20
1,2-Dichloropropane	ND		500	542		ug/L		108	76 - 120	4	20
1,3-Dichlorobenzene	ND		500	569		ug/L		114	77 - 120	11	20
1,4-Dichlorobenzene	ND		500	556		ug/L		111	78 - 124	10	20
2-Hexanone	ND		2500	2710		ug/L		108	65 - 127	1	15
2-Butanone (MEK)	ND		2500	2650		ug/L		106	57 - 140	6	20
4-Methyl-2-pentanone (MIBK)	ND		2500	2760		ug/L		110	71 - 125	1	35
Acetone	ND	F2	2500	2490	F2	ug/L		100	56 - 142	21	15
Benzene	ND		500	524		ug/L		105	71 - 124	8	13

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

Lab Sample ID: 480-182853-2 MSD
Client Sample ID: MW-26S
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 575330

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	ND		500	557		ug/L		111	80 - 122	3	15
Bromoform	ND		500	617		ug/L		123	61 - 132	5	15
Bromomethane	ND		500	500		ug/L		100	55 - 144	1	15
Carbon disulfide	ND	F2	500	504	F2	ug/L		101	59 - 134	16	15
Carbon tetrachloride	ND		500	559		ug/L		112	72 - 134	10	15
Chlorobenzene	ND		500	565		ug/L		113	80 - 120	1	25
Dibromochloromethane	ND		500	618		ug/L		124	75 - 125	4	15
Chloroethane	ND		500	473		ug/L		95	69 - 136	13	15
Chloroform	ND		500	504		ug/L		101	73 - 127	10	20
Chloromethane	ND		500	509		ug/L		102	68 - 124	11	15
cis-1,2-Dichloroethene	38		500	562		ug/L		105	74 - 124	13	15
cis-1,3-Dichloropropene	ND		500	561		ug/L		112	74 - 124	2	15
Cyclohexane	ND		500	511		ug/L		102	59 - 135	13	20
Dichlorodifluoromethane	ND		500	468		ug/L		94	59 - 135	15	20
Ethylbenzene	ND		500	554		ug/L		111	77 - 123	3	15
Isopropylbenzene	ND		500	600		ug/L		120	77 - 122	7	20
Methyl acetate	ND		1000	1030		ug/L		103	74 - 133	12	20
Methyl tert-butyl ether	ND		500	527		ug/L		105	77 - 120	9	37
Methylcyclohexane	ND		500	487		ug/L		97	68 - 134	15	20
Methylene Chloride	ND		500	504		ug/L		101	75 - 124	15	15
Styrene	ND		500	547		ug/L		109	80 - 120	1	20
Tetrachloroethene	860		500	1330		ug/L		94	74 - 122	2	20
Toluene	ND		500	557		ug/L		111	80 - 122	1	15
trans-1,2-Dichloroethene	ND		500	502		ug/L		100	73 - 127	14	20
trans-1,3-Dichloropropene	ND		500	566		ug/L		113	80 - 120	10	15
Trichloroethene	36		500	570		ug/L		107	74 - 123	8	16
Trichlorofluoromethane	ND		500	463		ug/L		93	62 - 150	19	20
Vinyl chloride	ND	F2	500	454	F2	ug/L		91	65 - 133	18	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

Client: New York State D.E.C.
Job ID: 480-182853-1
Project/Site: 275 Franklin Street #C915208A

GC/MS VOA

Analysis Batch: 575330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182853-1	MW-25S	Total/NA	Water	8260C	
480-182853-2	MW-26S	Total/NA	Water	8260C	
480-182853-3	MW-27S	Total/NA	Water	8260C	
480-182853-4	MW-24D	Total/NA	Water	8260C	
480-182853-5	MW-23D	Total/NA	Water	8260C	
480-182853-6	DUP	Total/NA	Water	8260C	
480-182853-7	TRIP BLANK	Total/NA	Water	8260C	
MB 480-575330/7	Method Blank	Total/NA	Water	8260C	
LCS 480-575330/5	Lab Control Sample	Total/NA	Water	8260C	
480-182853-2 MS	MW-26S	Total/NA	Water	8260C	
480-182853-2 MSD	MW-26S	Total/NA	Water	8260C	

Client Sample ID: MW-25S
Lab Sample ID: 480-182853-1
Date Collected: 04/05/21 10:15
Matrix: Water
Date Received: 04/06/21 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	575330	04/07/21 16:43	CRL	TAL BUF

Client Sample ID: MW-26S
Lab Sample ID: 480-182853-2
Date Collected: 04/05/21 09:00
Matrix: Water
Date Received: 04/06/21 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	575330	04/07/21 17:06	CRL	TAL BUF

Client Sample ID: MW-27S
Lab Sample ID: 480-182853-3
Date Collected: 04/05/21 11:05
Matrix: Water
Date Received: 04/06/21 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575330	04/07/21 17:30	CRL	TAL BUF

Client Sample ID: MW-24D
Lab Sample ID: 480-182853-4
Date Collected: 04/05/21 13:50
Matrix: Water
Date Received: 04/06/21 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	575330	04/07/21 17:53	CRL	TAL BUF

Client Sample ID: MW-23D
Lab Sample ID: 480-182853-5
Date Collected: 04/05/21 12:40
Matrix: Water
Date Received: 04/06/21 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575330	04/07/21 18:17	CRL	TAL BUF

Client Sample ID: DUP
Lab Sample ID: 480-182853-6
Date Collected: 04/05/21 00:00
Matrix: Water
Date Received: 04/06/21 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	575330	04/07/21 18:40	CRL	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-182853-7
Date Collected: 04/05/21 00:00
Matrix: Water
Date Received: 04/06/21 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	575330	04/07/21 19:04	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C. Job ID: 480-182853-1
Project/Site: 275 Franklin Street #C915208A

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
MW-25S	480-182853-1	109	106	110
MW-26S	480-182853-2	102	102	100
MW-27S	480-182853-3	106	103	104
MW-24D	480-182853-4	106	105	107
MW-23D	480-182853-5	107	107	110
DUP	480-182853-6	106	104	107
TRIP BLANK	480-182853-7	109	105	102
	MB 480-575330/7	108	108	108
	LCS 480-575330/5	103	110	107
MW-26S MS	480-182853-2 MS	107	106	104
MW-26S MSD	480-182853-2 MSD	102	109	108

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

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C5140.D

Lab ID: LCS 480-575330/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.6	102	73-126	
1,1,2,2-Tetrachloroethane	25.0	29.8	119	76-120	
1,1,2-Trichloroethane	25.0	28.5	114	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.3	101	61-148	
1,1-Dichloroethane	25.0	26.0	104	77-120	
1,1-Dichloroethene	25.0	24.5	98	66-127	
1,2,4-Trichlorobenzene	25.0	25.8	103	79-122	
1,2-Dibromo-3-Chloropropane	25.0	28.1	112	56-134	
1,2-Dibromoethane	25.0	28.5	114	77-120	
1,2-Dichlorobenzene	25.0	27.2	109	80-124	
1,2-Dichloroethane	25.0	25.5	102	75-120	
1,2-Dichloropropane	25.0	26.7	107	76-120	
1,3-Dichlorobenzene	25.0	27.0	108	77-120	
1,4-Dichlorobenzene	25.0	26.4	106	80-120	
2-Hexanone	125	139	111	65-127	
2-Butanone (MEK)	125	157	126	57-140	
4-Methyl-2-pentanone (MIBK)	125	137	109	71-125	
Acetone	125	144	115	56-142	
Benzene	25.0	25.9	103	71-124	
Bromodichloromethane	25.0	27.9	112	80-122	
Bromoform	25.0	31.5	126	61-132	
Bromomethane	25.0	23.7	95	55-144	
Carbon disulfide	25.0	24.7	99	59-134	
Carbon tetrachloride	25.0	27.5	110	72-134	
Chlorobenzene	25.0	27.8	111	80-120	
Dibromochloromethane	25.0	30.5	122	75-125	
Chloroethane	25.0	22.7	91	69-136	
Chloroform	25.0	24.5	98	73-127	
Chloromethane	25.0	23.7	95	68-124	
cis-1,2-Dichloroethene	25.0	26.9	108	74-124	
cis-1,3-Dichloropropene	25.0	29.4	118	74-124	
Cyclohexane	25.0	24.7	99	59-135	
Dichlorodifluoromethane	25.0	20.1	80	59-135	
Ethylbenzene	25.0	26.8	107	77-123	
Isopropylbenzene	25.0	28.5	114	77-122	
Methyl acetate	50.0	42.6	85	74-133	
Methyl tert-butyl ether	25.0	24.5	98	77-120	
Methylcyclohexane	25.0	25.5	102	68-134	
Methylene Chloride	25.0	24.7	99	75-124	
Styrene	25.0	26.3	105	80-120	
Tetrachloroethene	25.0	25.9	103	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C5140.D

Lab ID: LCS 480-575330/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	27.1	109	80-122	
trans-1,2-Dichloroethene	25.0	24.6	99	73-127	
trans-1,3-Dichloropropene	25.0	28.6	115	80-120	
Trichloroethene	25.0	26.1	104	74-123	
Trichlorofluoromethane	25.0	21.5	86	62-150	
Vinyl chloride	25.0	21.0	84	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C5163.D

Lab ID: 480-182853-2 MS Client ID: MW-26S MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	500	ND	606	121	73-126	
1,1,2,2-Tetrachloroethane	500	ND	523	105	76-120	
1,1,2-Trichloroethane	500	ND	539	108	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	ND	596	119	61-148	
1,1-Dichloroethane	500	ND	583	117	77-120	
1,1-Dichloroethene	500	ND	584	117	66-127	
1,2,4-Trichlorobenzene	500	ND	529	106	79-122	
1,2-Dibromo-3-Chloropropane	500	ND	511	102	56-134	
1,2-Dibromoethane	500	ND	537	107	77-120	
1,2-Dichlorobenzene	500	ND	534	107	80-124	
1,2-Dichloroethane	500	ND	557	111	75-120	
1,2-Dichloropropane	500	ND	567	113	76-120	
1,3-Dichlorobenzene	500	ND	512	102	77-120	
1,4-Dichlorobenzene	500	ND	504	101	78-124	
2-Hexanone	2500	ND	2680	107	65-127	
2-Butanone (MEK)	2500	ND	2820	113	57-140	
4-Methyl-2-pentanone (MIBK)	2500	ND	2780	111	71-125	
Acetone	2500	ND	3060	122	56-142	
Benzene	500	ND	568	114	71-124	
Bromodichloromethane	500	ND	571	114	80-122	
Bromoform	500	ND	589	118	61-132	
Bromomethane	500	ND	493	99	55-144	
Carbon disulfide	500	ND	589	118	59-134	
Carbon tetrachloride	500	ND	618	124	72-134	
Chlorobenzene	500	ND	557	111	80-120	
Dibromochloromethane	500	ND	592	118	75-125	
Chloroethane	500	ND	539	108	69-136	
Chloroform	500	ND	554	111	73-127	
Chloromethane	500	ND	566	113	68-124	
cis-1,2-Dichloroethene	500	38	640	120	74-124	
cis-1,3-Dichloropropene	500	ND	547	109	74-124	
Cyclohexane	500	ND	579	116	59-135	
Dichlorodifluoromethane	500	ND	544	109	59-135	
Ethylbenzene	500	ND	570	114	77-123	
Isopropylbenzene	500	ND	560	112	77-122	
Methyl acetate	1000	ND	1160	116	74-133	
Methyl tert-butyl ether	500	ND	579	116	77-120	
Methylcyclohexane	500	ND	568	114	68-134	
Methylene Chloride	500	ND	587	117	75-124	
Styrene	500	ND	544	109	80-120	
Tetrachloroethene	500	860	1360	100	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C5163.D

Lab ID: 480-182853-2 MS Client ID: MW-26S MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	500	ND	562	112	80-122	
trans-1,2-Dichloroethene	500	ND	578	116	73-127	
trans-1,3-Dichloropropene	500	ND	510	102	80-120	
Trichloroethene	500	36	619	117	74-123	
Trichlorofluoromethane	500	ND	563	113	62-150	
Vinyl chloride	500	ND	546	109	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C5164.D

Lab ID: 480-182853-2 MSD Client ID: MW-26S MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	500	526	105	14	15	73-126	
1,1,2,2-Tetrachloroethane	500	621	124	17	15	76-120	F1 F2
1,1,2-Trichloroethane	500	567	113	5	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	514	103	15	20	61-148	
1,1-Dichloroethane	500	531	106	9	20	77-120	
1,1-Dichloroethene	500	500	100	15	16	66-127	
1,2,4-Trichlorobenzene	500	527	105	0	20	79-122	
1,2-Dibromo-3-Chloropropane	500	580	116	13	15	56-134	
1,2-Dibromoethane	500	574	115	7	15	77-120	
1,2-Dichlorobenzene	500	566	113	6	20	80-124	
1,2-Dichloroethane	500	514	103	8	20	75-120	
1,2-Dichloropropane	500	542	108	4	20	76-120	
1,3-Dichlorobenzene	500	569	114	11	20	77-120	
1,4-Dichlorobenzene	500	556	111	10	20	78-124	
2-Hexanone	2500	2710	108	1	15	65-127	
2-Butanone (MEK)	2500	2650	106	6	20	57-140	
4-Methyl-2-pentanone (MIBK)	2500	2760	110	1	35	71-125	
Acetone	2500	2490	100	21	15	56-142	F2
Benzene	500	524	105	8	13	71-124	
Bromodichloromethane	500	557	111	3	15	80-122	
Bromoform	500	617	123	5	15	61-132	
Bromomethane	500	500	100	1	15	55-144	
Carbon disulfide	500	504	101	16	15	59-134	F2
Carbon tetrachloride	500	559	112	10	15	72-134	
Chlorobenzene	500	565	113	1	25	80-120	
Dibromochloromethane	500	618	124	4	15	75-125	
Chloroethane	500	473	95	13	15	69-136	
Chloroform	500	504	101	10	20	73-127	
Chloromethane	500	509	102	11	15	68-124	
cis-1,2-Dichloroethene	500	562	105	13	15	74-124	
cis-1,3-Dichloropropene	500	561	112	2	15	74-124	
Cyclohexane	500	511	102	13	20	59-135	
Dichlorodifluoromethane	500	468	94	15	20	59-135	
Ethylbenzene	500	554	111	3	15	77-123	
Isopropylbenzene	500	600	120	7	20	77-122	
Methyl acetate	1000	1030	103	12	20	74-133	
Methyl tert-butyl ether	500	527	105	9	37	77-120	
Methylcyclohexane	500	487	97	15	20	68-134	
Methylene Chloride	500	504	101	15	15	75-124	
Styrene	500	547	109	1	20	80-120	
Tetrachloroethene	500	1330	94	2	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C5164.D

Lab ID: 480-182853-2 MSD Client ID: MW-26S MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	500	557	111	1	15	80-122	
trans-1,2-Dichloroethene	500	502	100	14	20	73-127	
trans-1,3-Dichloropropene	500	566	113	10	15	80-120	
Trichloroethene	500	570	107	8	16	74-123	
Trichlorofluoromethane	500	463	93	19	20	62-150	
Vinyl chloride	500	454	91	18	15	65-133	F2

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Lab File ID: C5142.D Lab Sample ID: MB 480-575330/7

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

Instrument ID: HP5973C Date Analyzed: 04/07/2021 11:00

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-575330/5	C5140.D	04/07/2021 10:13
MW-25S	480-182853-1	C5156.D	04/07/2021 16:43
MW-26S	480-182853-2	C5157.D	04/07/2021 17:06
MW-27S	480-182853-3	C5158.D	04/07/2021 17:30
MW-24D	480-182853-4	C5159.D	04/07/2021 17:53
MW-23D	480-182853-5	C5160.D	04/07/2021 18:17
DUP	480-182853-6	C5161.D	04/07/2021 18:40
TRIP BLANK	480-182853-7	C5162.D	04/07/2021 19:04
MW-26S MS	480-182853-2 MS	C5163.D	04/07/2021 19:27
MW-26S MSD	480-182853-2 MSD	C5164.D	04/07/2021 19:51

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Lab File ID: C4912.D BFB Injection Date: 03/31/2021

Instrument ID: HP5973C BFB Injection Time: 11:06

Analysis Batch No.: 574503

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.7	
75	30.0 - 60.0 % of mass 95	49.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	76.1	
175	5.0 - 9.0 % of mass 174	6.0	(7.8) 1
176	95.0 - 101.0 % of mass 174	73.8	(97.0) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.5) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-574503/5	C4914.D	03/31/2021	11:52
	IC 480-574503/6	C4915.D	03/31/2021	12:16
	IC 480-574503/7	C4916.D	03/31/2021	12:40
	IC 480-574503/8	C4917.D	03/31/2021	13:05
	IC 480-574503/9	C4918.D	03/31/2021	13:28
	ICIS 480-574503/10	C4919.D	03/31/2021	13:52
	IC 480-574503/11	C4920.D	03/31/2021	14:16
	IC 480-574503/12	C4921.D	03/31/2021	14:40
	ICV 480-574503/26	C4935.D	03/31/2021	20:15

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Lab File ID: C5137.D BFB Injection Date: 04/07/2021

Instrument ID: HP5973C BFB Injection Time: 09:00

Analysis Batch No.: 575330

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.3	
75	30.0 - 60.0 % of mass 95	48.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.2	(0.3) 1
174	Greater than 50% of mass 95	78.2	
175	5.0 - 9.0 % of mass 174	6.1	(7.8) 1
176	95.0 - 101.0 % of mass 174	74.9	(95.8) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.5) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-575330/3	C5138.D	04/07/2021	9:25
	LCS 480-575330/5	C5140.D	04/07/2021	10:13
	MB 480-575330/7	C5142.D	04/07/2021	11:00
MW-25S	480-182853-1	C5156.D	04/07/2021	16:43
MW-26S	480-182853-2	C5157.D	04/07/2021	17:06
MW-27S	480-182853-3	C5158.D	04/07/2021	17:30
MW-24D	480-182853-4	C5159.D	04/07/2021	17:53
MW-23D	480-182853-5	C5160.D	04/07/2021	18:17
DUP	480-182853-6	C5161.D	04/07/2021	18:40
TRIP BLANK	480-182853-7	C5162.D	04/07/2021	19:04
MW-26S MS	480-182853-2 MS	C5163.D	04/07/2021	19:27
MW-26S MSD	480-182853-2 MSD	C5164.D	04/07/2021	19:51

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Sample No.: ICIS 480-574503/10 Date Analyzed: 03/31/2021 13:52

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): C4919.D Heated Purge: (Y/N) N

Calibration ID: 41440

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		161364	4.81	285266	7.11	306040	8.99
UPPER LIMIT		322728	5.31	570532	7.61	612080	9.49
LOWER LIMIT		80682	4.31	142633	6.61	153020	8.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-574503/26		172889	4.81	325011	7.11	313958	8.99
CCVIS 480-575330/3		166688	4.81	307039	7.11	293788	8.99

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Sample No.: CCVIS 480-575330/3 Date Analyzed: 04/07/2021 09:25

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): C5138.D Heated Purge: (Y/N) N

Calibration ID: 41443

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		166688	4.81	307039	7.11	293788	8.99
UPPER LIMIT		333376	5.31	614078	7.61	587576	9.49
LOWER LIMIT		83344	4.31	153520	6.61	146894	8.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-575330/5		157797	4.81	294866	7.11	277321	8.99
MB 480-575330/7		162205	4.81	302312	7.11	309896	8.99
480-182853-1	MW-25S	157090	4.81	283390	7.11	310817	8.99
480-182853-2	MW-26S	168354	4.81	310241	7.11	317710	8.99
480-182853-3	MW-27S	150348	4.81	270201	7.11	294026	8.99
480-182853-4	MW-24D	157190	4.81	274885	7.11	301132	8.99
480-182853-5	MW-23D	162042	4.81	294083	7.11	306428	8.99
480-182853-6	DUP	150870	4.81	266795	7.11	307061	8.99
480-182853-7	TRIP BLANK	165114	4.81	304385	7.11	311365	8.99
480-182853-2 MS	MW-26S MS	146611	4.81	276860	7.11	294004	8.99
480-182853-2 MSD	MW-26S MSD	157516	4.81	287487	7.11	264463	8.99

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-25S Lab Sample ID: 480-182853-1

Matrix: Water Lab File ID: C5156.D

Analysis Method: 8260C Date Collected: 04/05/2021 10:15

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 16:43

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5
75-34-3	1,1-Dichloroethane	ND		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
591-78-6	2-Hexanone	ND		40	9.9
78-93-3	2-Butanone (MEK)	ND		80	11
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Bromodichloromethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
124-48-1	Dibromochloromethane	ND		8.0	2.6
75-00-3	Chloroethane	ND		8.0	2.6
67-66-3	Chloroform	3.3	J	8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	580		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4
100-41-4	Ethylbenzene	ND		8.0	5.9
98-82-8	Isopropylbenzene	ND		8.0	6.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-25S Lab Sample ID: 480-182853-1

Matrix: Water Lab File ID: C5156.D

Analysis Method: 8260C Date Collected: 04/05/2021 10:15

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 16:43

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	ND		8.0	3.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	560		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	ND		8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	25		8.0	3.7
75-69-4	Trichlorofluoromethane	ND		8.0	7.0
75-01-4	Vinyl chloride	7.2	J	8.0	7.2
1330-20-7	Xylenes, Total	ND		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
2037-26-5	Toluene-d8 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5156.D
Lims ID: 480-182853-B-1
Client ID: MW-25S
Sample Type: Client
Inject. Date: 07-Apr-2021 16:43:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 8.0000
Sample Info: 480-182853-B-1
Misc. Info.: 480-0097664-021
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Apr-2021 19:56:56 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: lapointec Date: 07-Apr-2021 19:56:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	157090	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	283390	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	310817	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	98	136871	27.3	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	706368	26.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	90	210125	27.4	
10 Dichlorodifluoromethane	85		1.070				ND	
12 Chloromethane	50		1.235				ND	
13 Vinyl chloride	62	1.329	1.329	0.000	97	9770	0.9019	
14 Bromomethane	94		1.609				ND	
15 Chloroethane	64		1.691				ND	
17 Trichlorofluoromethane	101		1.909				ND	
21 112TCTFE	101		2.386				ND	
22 1,1-Dichloroethene	96		2.396				ND	
23 Acetone	43		2.510				ND	MU
26 Carbon disulfide	76		2.583				ND	
27 Methyl acetate	43		2.790				ND	
30 Methylene Chloride	84		2.883				ND	7
32 Methyl tert-butyl ether	73		3.080				ND	
34 trans-1,2-Dichloroethene	96	3.091	3.090	0.001	96	7246	0.8333	
39 1,1-Dichloroethane	63		3.464				ND	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	80	644423	72.5	
43 2-Butanone (MEK)	43		3.971				ND	
50 Chloroform	83	4.210	4.210	0.000	94	6167	0.4168	
52 Cyclohexane	56		4.303				ND	
51 1,1,1-Trichloroethane	97		4.303				ND	
55 Carbon tetrachloride	117		4.417				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.645				ND	
62 Trichloroethene	95	5.080	5.080	0.000	93	25283	3.14	
64 Methylcyclohexane	83		5.173				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.267				ND	
68 Dichlorobromomethane	83		5.495				ND	
72 cis-1,3-Dichloropropene	75		5.816				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.920				ND	
74 Toluene	92		6.044				ND	
77 trans-1,3-Dichloropropene	75		6.251				ND	
79 1,1,2-Trichloroethane	83		6.396				ND	U
81 Tetrachloroethene	166	6.448	6.448	0.000	96	520261	70.4	
80 2-Hexanone	43		6.562				ND	
83 Chlorodibromomethane	129		6.707				ND	
84 Ethylene Dibromide	107		6.790				ND	
87 Chlorobenzene	112		7.142				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.287				ND	
91 o-Xylene	106		7.609				ND	
92 Styrene	104		7.629				ND	
95 Bromoform	173		7.826				ND	
94 Isopropylbenzene	105		7.889				ND	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
111 1,3-Dichlorobenzene	146		8.925				ND	
113 1,4-Dichlorobenzene	146		9.008				ND	
116 1,2-Dichlorobenzene	146		9.319				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.982				ND	
119 1,2,4-Trichlorobenzene	180		10.635				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent

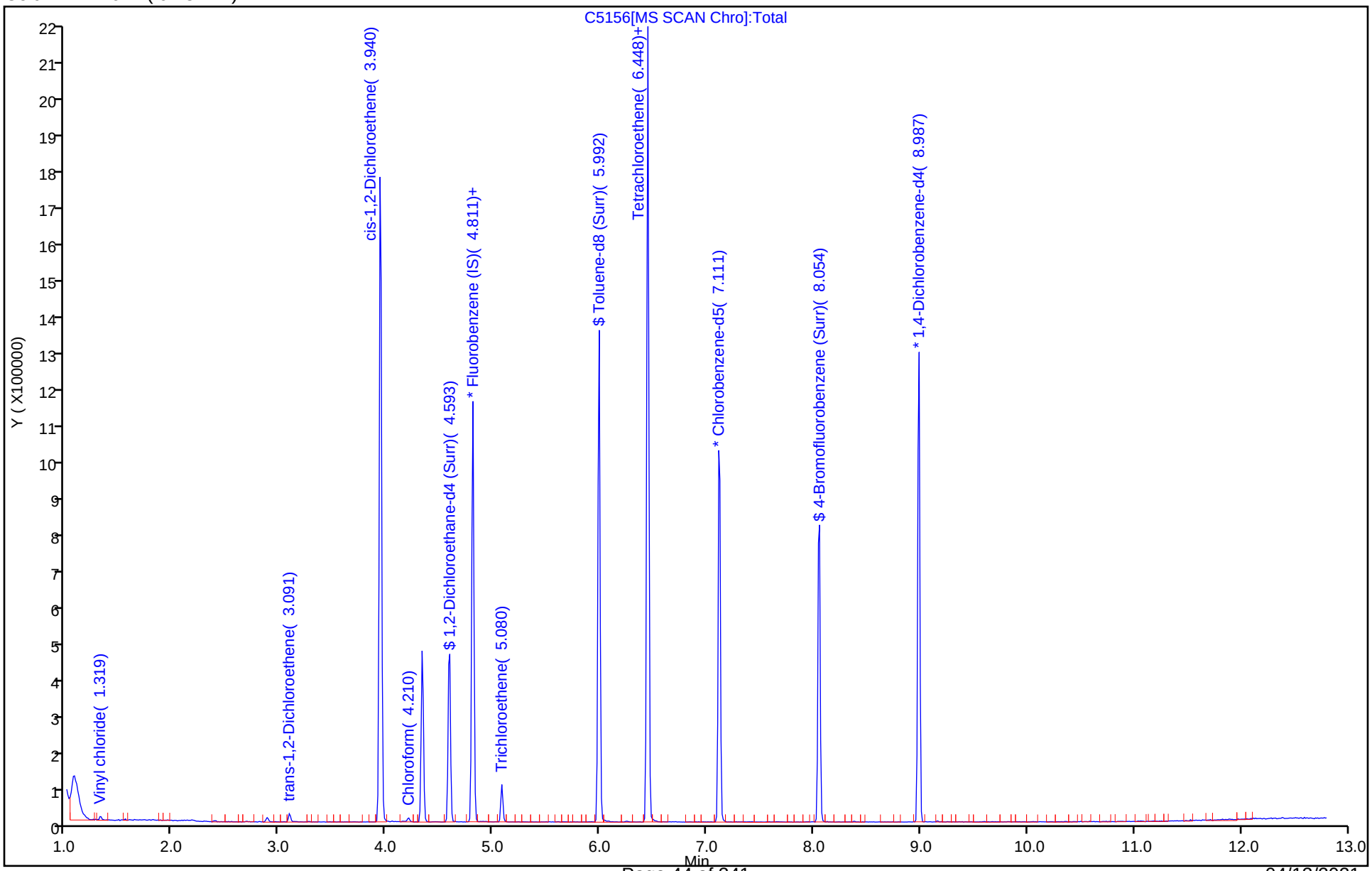
Report Date: 07-Apr-2021 19:56:56 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5156.D

Injection Date:	07-Apr-2021 16:43:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-182853-B-1	Lab Sample ID:	480-182853-1	Worklist Smp#:	21
Client ID:	MW-25S				
Purge Vol:	5.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	21
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

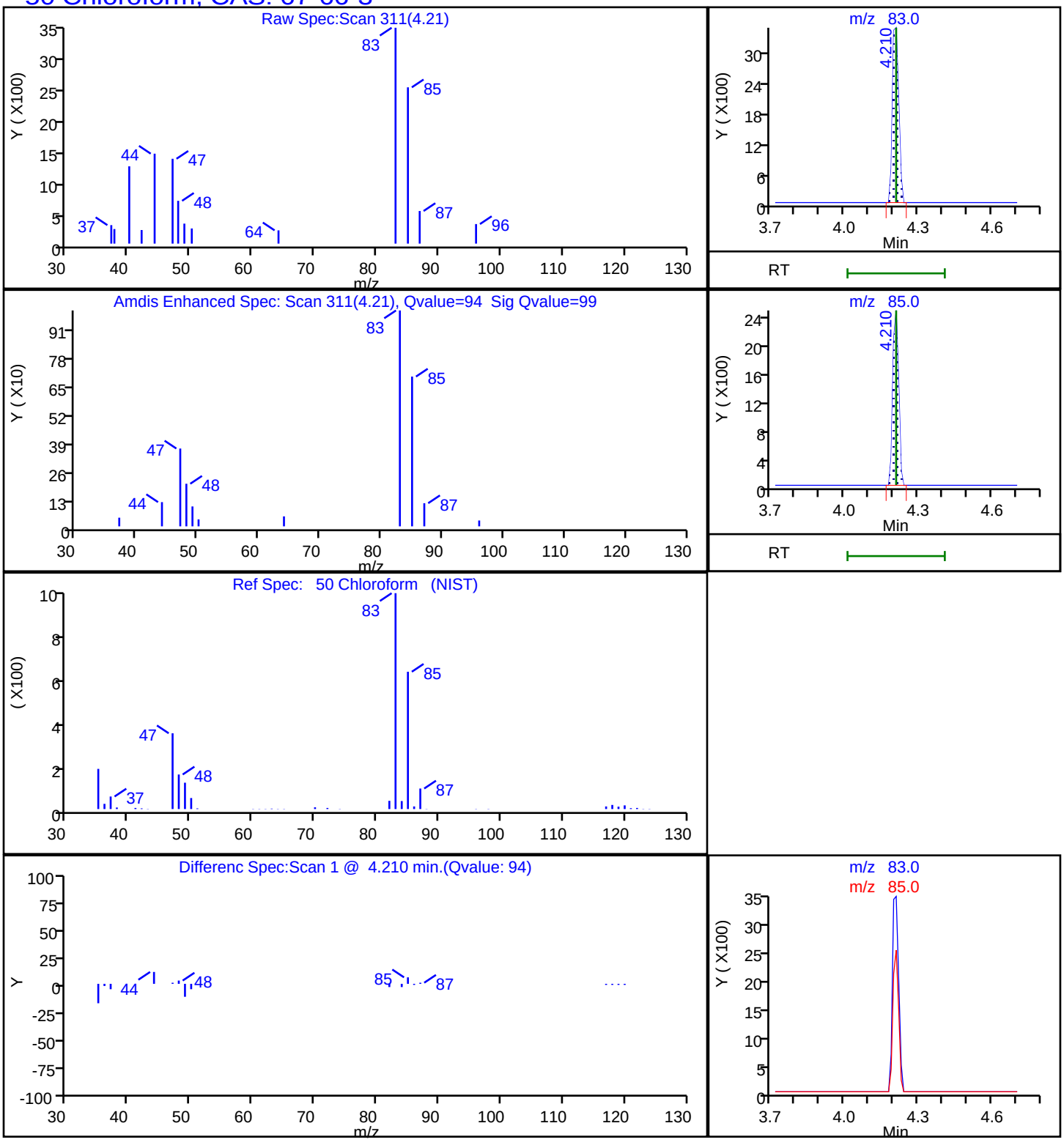


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5156.D

Injection Date:	07-Apr-2021 16:43:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-1	Lab Sample ID:	480-182853-1		
Client ID:	MW-25S				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3



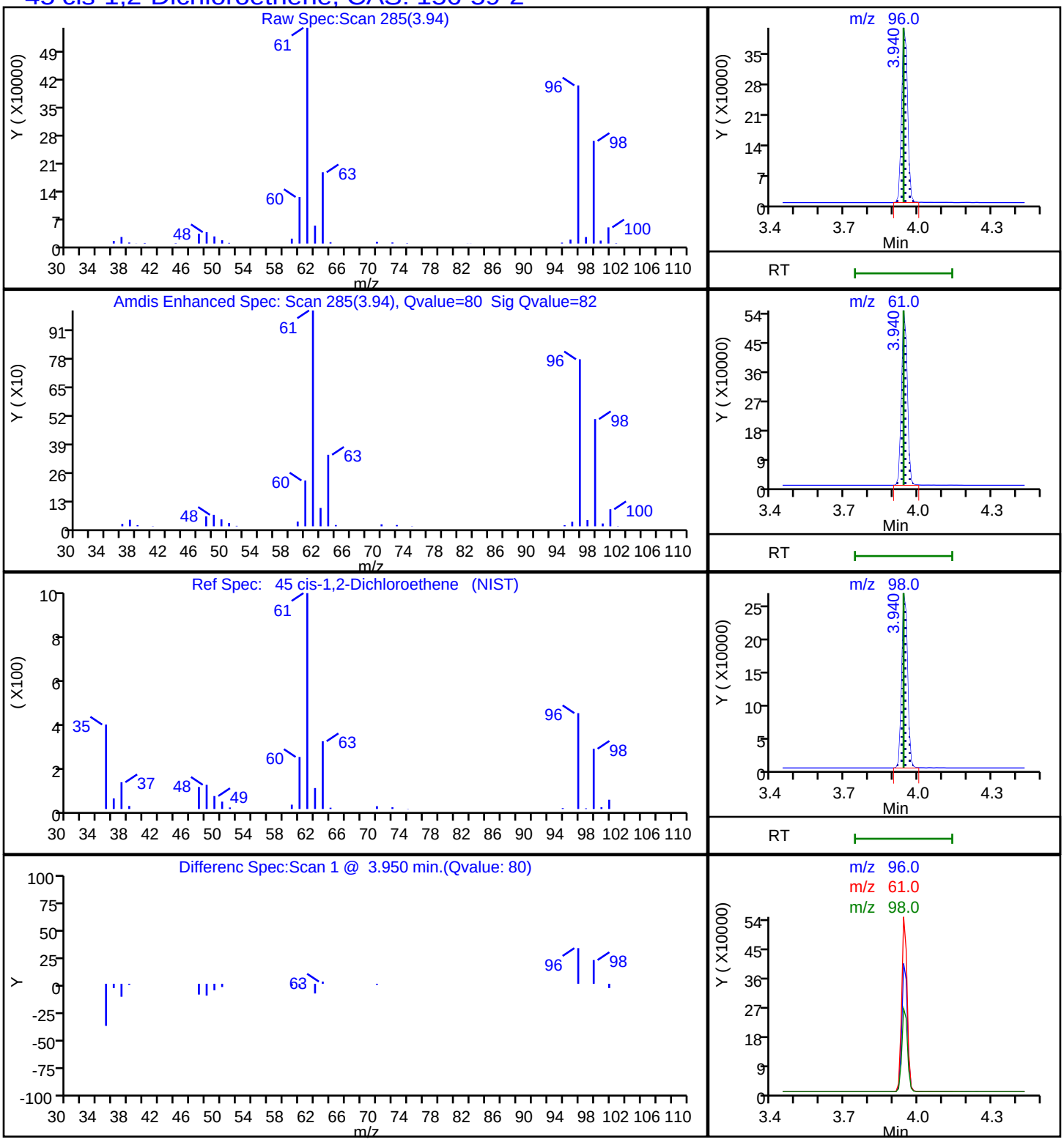
Report Date: 07-Apr-2021 19:56:56 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5156.D

Injection Date:	07-Apr-2021 16:43:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-1	Lab Sample ID:	480-182853-1		
Client ID:	MW-25S				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

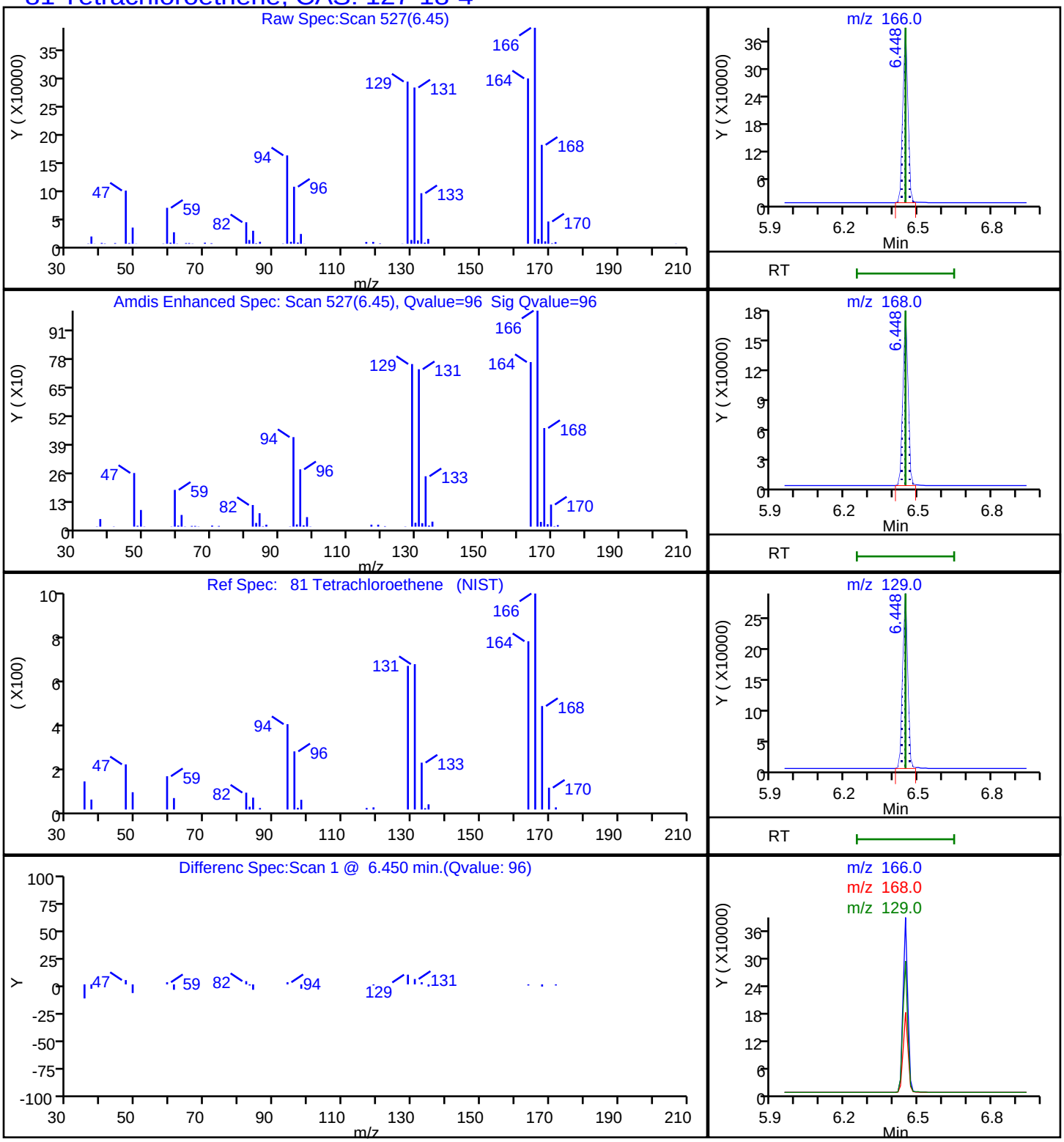
45 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5156.D				
Injection Date:	07-Apr-2021 16:43:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-1	Lab Sample ID:	480-182853-1		
Client ID:	MW-25S				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4



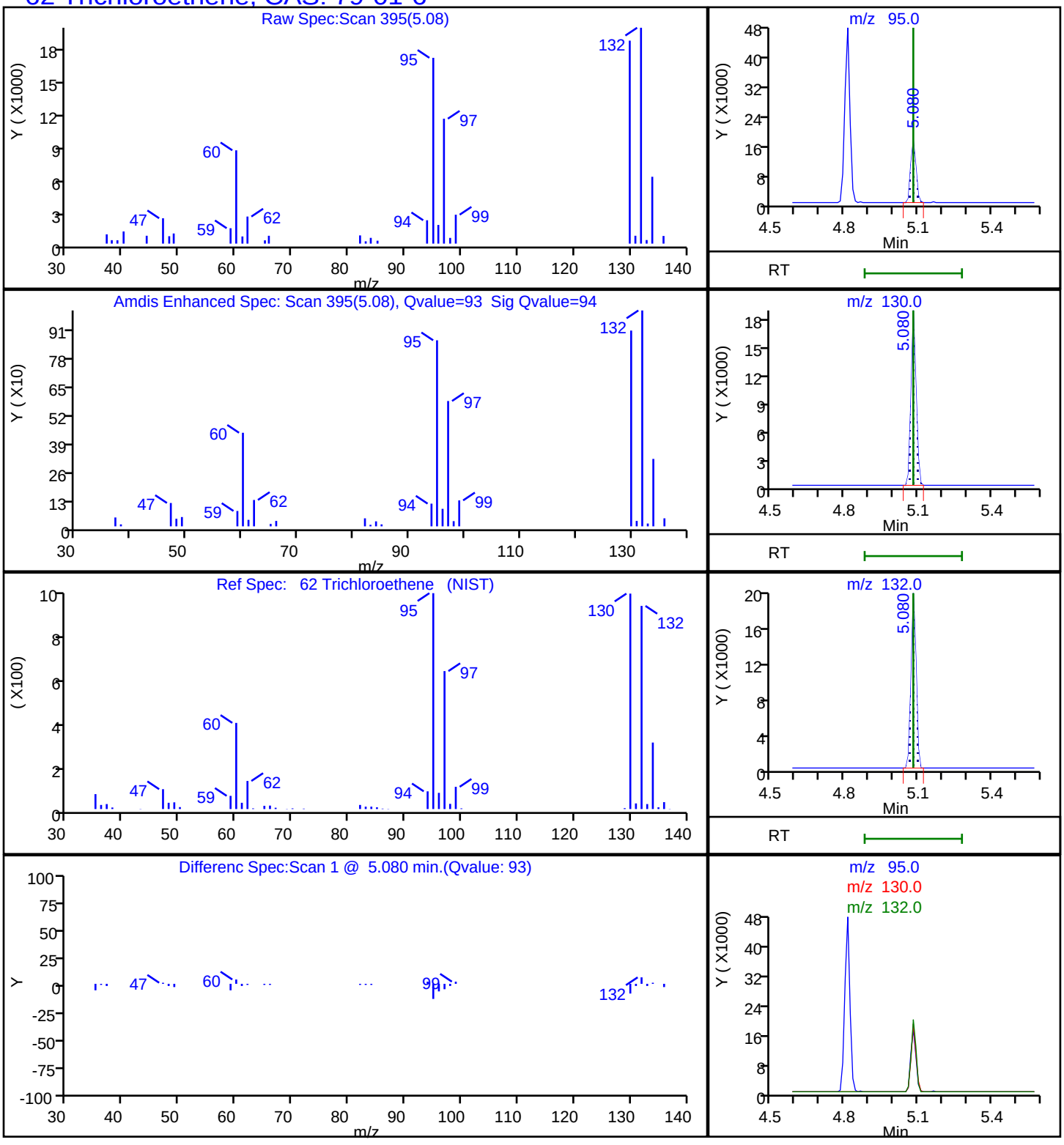
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5156.D

Injection Date:	07-Apr-2021 16:43:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-1	Lab Sample ID:	480-182853-1		
Client ID:	MW-25S				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6

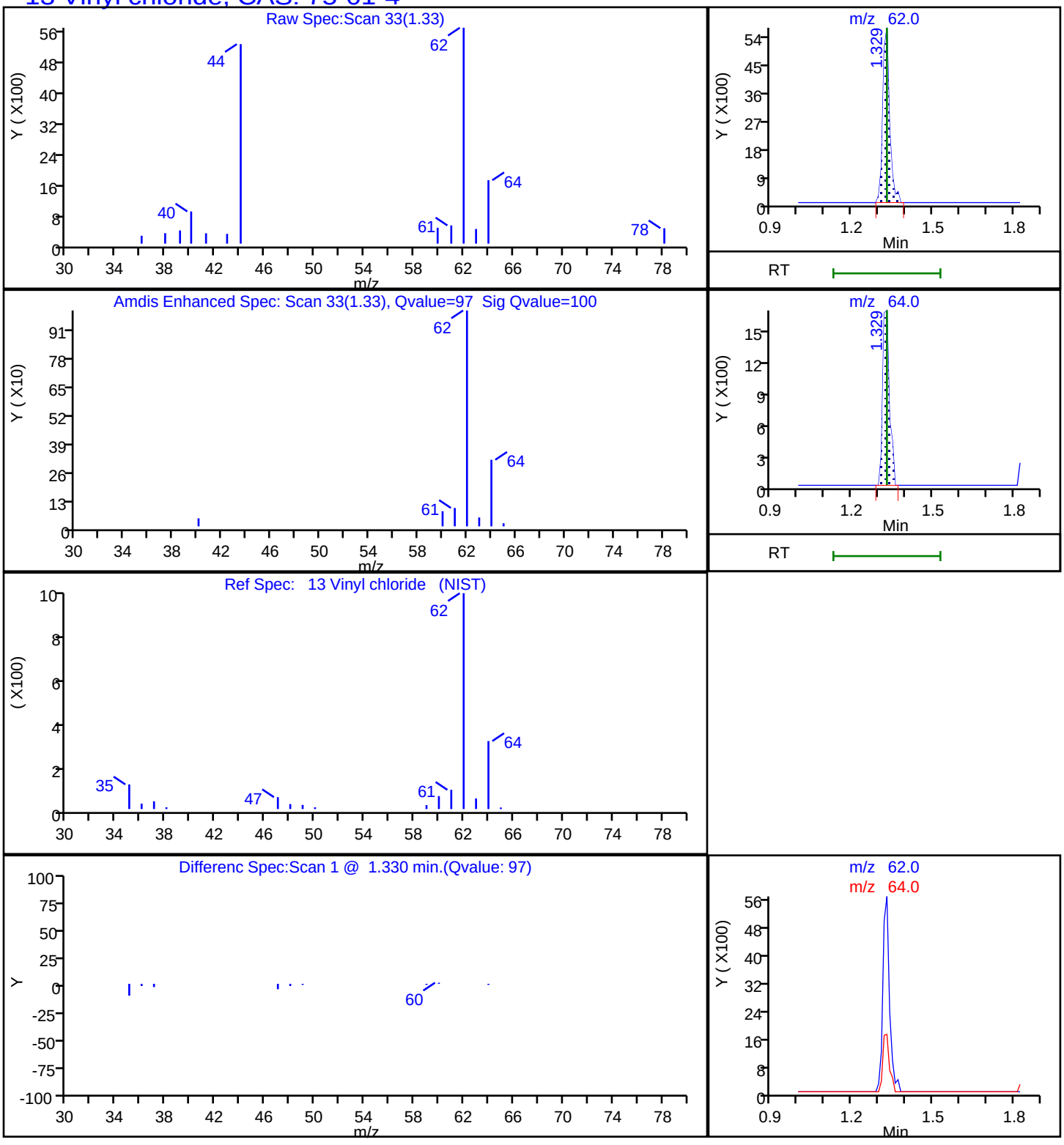


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5156.D

Injection Date:	07-Apr-2021 16:43:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-1	Lab Sample ID:	480-182853-1		
Client ID:	MW-25S				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4



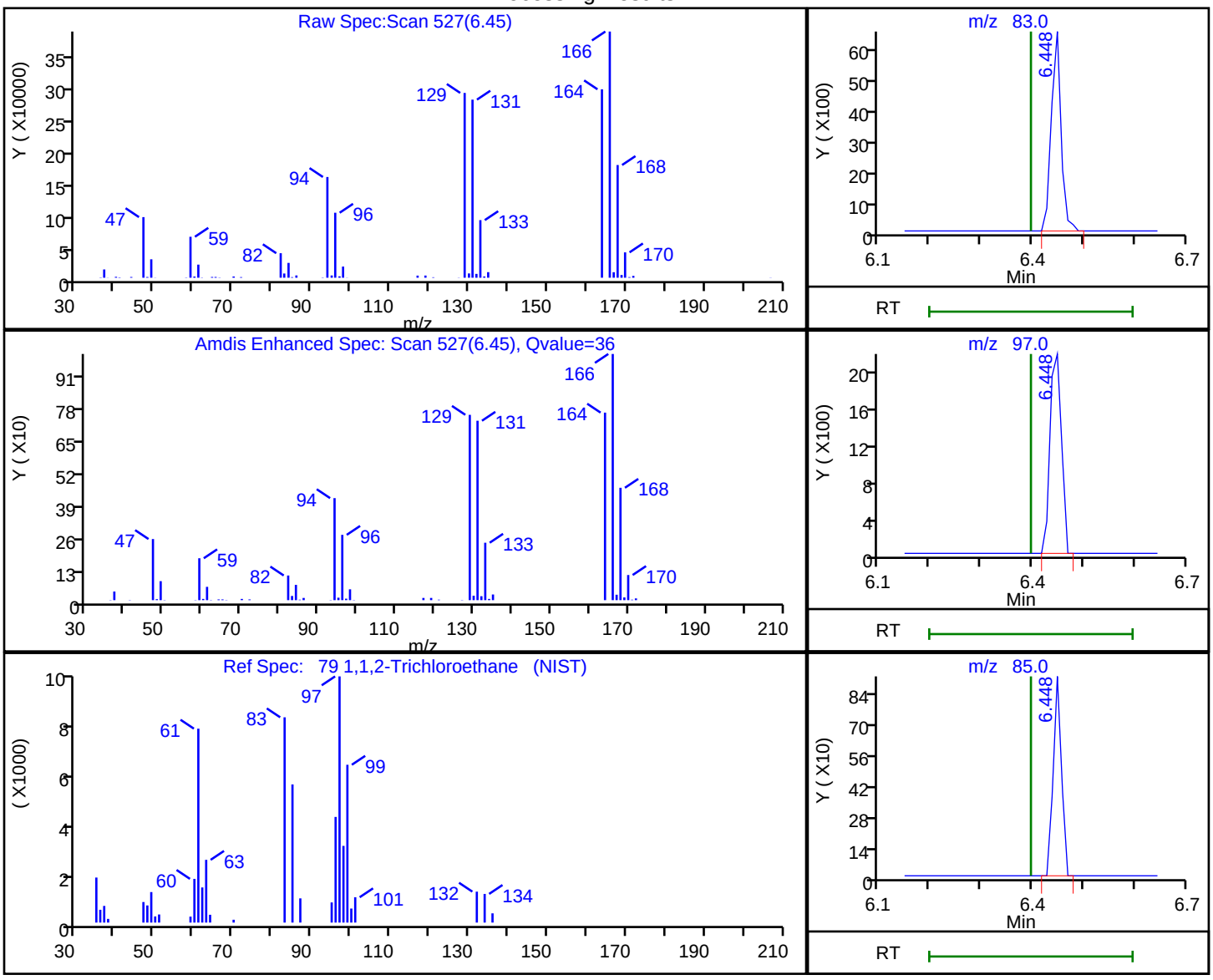
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5156.D				
Injection Date:	07-Apr-2021 16:43:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-1	Lab Sample ID:	480-182853-1		
Client ID:	MW-25S				
Operator ID:	OI	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.45	83.00	8783	1.588292
6.45	97.00	3423	
6.45	85.00	1028	

Reviewer: lapointec, 07-Apr-2021 19:56:44

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-26S Lab Sample ID: 480-182853-2

Matrix: Water Lab File ID: C5157.D

Analysis Method: 8260C Date Collected: 04/05/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 17:06

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		20	16
79-34-5	1,1,2,2-Tetrachloroethane	ND	F1 F2	20	4.2
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
75-34-3	1,1-Dichloroethane	ND		20	7.6
75-35-4	1,1-Dichloroethene	ND		20	5.8
120-82-1	1,2,4-Trichlorobenzene	ND		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
106-93-4	1,2-Dibromoethane	ND		20	15
95-50-1	1,2-Dichlorobenzene	ND		20	16
107-06-2	1,2-Dichloroethane	ND		20	4.2
78-87-5	1,2-Dichloropropane	ND		20	14
541-73-1	1,3-Dichlorobenzene	ND		20	16
106-46-7	1,4-Dichlorobenzene	ND		20	17
591-78-6	2-Hexanone	ND		100	25
78-93-3	2-Butanone (MEK)	ND		200	26
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	42
67-64-1	Acetone	ND	F2	200	60
71-43-2	Benzene	ND		20	8.2
75-27-4	Bromodichloromethane	ND		20	7.8
75-25-2	Bromoform	ND		20	5.2
74-83-9	Bromomethane	ND		20	14
75-15-0	Carbon disulfide	ND	F2	20	3.8
56-23-5	Carbon tetrachloride	ND		20	5.4
108-90-7	Chlorobenzene	ND		20	15
124-48-1	Dibromochloromethane	ND		20	6.4
75-00-3	Chloroethane	ND		20	6.4
67-66-3	Chloroform	ND		20	6.8
74-87-3	Chloromethane	ND		20	7.0
156-59-2	cis-1,2-Dichloroethene	38		20	16
10061-01-5	cis-1,3-Dichloropropene	ND		20	7.2
110-82-7	Cyclohexane	ND		20	3.6
75-71-8	Dichlorodifluoromethane	ND		20	14
100-41-4	Ethylbenzene	ND		20	15
98-82-8	Isopropylbenzene	ND		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-26S Lab Sample ID: 480-182853-2

Matrix: Water Lab File ID: C5157.D

Analysis Method: 8260C Date Collected: 04/05/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 17:06

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		50	26
1634-04-4	Methyl tert-butyl ether	ND		20	3.2
108-87-2	Methylcyclohexane	ND		20	3.2
75-09-2	Methylene Chloride	ND		20	8.8
100-42-5	Styrene	ND		20	15
127-18-4	Tetrachloroethene	860		20	7.2
108-88-3	Toluene	ND		20	10
156-60-5	trans-1,2-Dichloroethene	ND		20	18
10061-02-6	trans-1,3-Dichloropropene	ND		20	7.4
79-01-6	Trichloroethene	36		20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	ND	F2	20	18
1330-20-7	Xylenes, Total	ND		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	102		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5157.D
Lims ID: 480-182853-B-2
Client ID: MW-26S
Sample Type: Client
Inject. Date: 07-Apr-2021 17:06:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-182853-B-2
Misc. Info.: 480-0097664-022
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Apr-2021 19:57:35 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: lapointec Date: 07-Apr-2021 19:57:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	168354	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	310241	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	96	317710	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	98	136686	25.5	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	741769	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	91	210686	25.1	
10 Dichlorodifluoromethane	85		1.070				ND	
12 Chloromethane	50		1.235				ND	
13 Vinyl chloride	62		1.329				ND	
14 Bromomethane	94		1.609				ND	
15 Chloroethane	64		1.691				ND	
17 Trichlorofluoromethane	101		1.909				ND	
21 112TCTFE	101		2.386				ND	
22 1,1-Dichloroethene	96		2.396				ND	
23 Acetone	43		2.510				ND	
26 Carbon disulfide	76		2.583				ND	
27 Methyl acetate	43		2.790				ND	
30 Methylene Chloride	84		2.883				ND	7
32 Methyl tert-butyl ether	73		3.080				ND	
34 trans-1,2-Dichloroethene	96		3.090				ND	
39 1,1-Dichloroethane	63		3.464				ND	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	81	18321	1.92	
43 2-Butanone (MEK)	43		3.971				ND	
50 Chloroform	83	4.210	4.210	0.000	89	4316	0.2722	
52 Cyclohexane	56		4.303				ND	
51 1,1,1-Trichloroethane	97		4.303				ND	
55 Carbon tetrachloride	117		4.417				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.645				ND	U
62 Trichloroethene	95	5.080	5.080	0.000	94	15360	1.78	
64 Methylcyclohexane	83		5.173				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.267				ND	
68 Dichlorobromomethane	83		5.495				ND	
72 cis-1,3-Dichloropropene	75		5.816				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.920				ND	U
74 Toluene	92		6.044				ND	
77 trans-1,3-Dichloropropene	75		6.251				ND	
79 1,1,2-Trichloroethane	83		6.396				ND	
81 Tetrachloroethene	166	6.448	6.448	0.000	96	347700	43.0	
80 2-Hexanone	43		6.562				ND	
83 Chlorodibromomethane	129		6.707				ND	
84 Ethylene Dibromide	107		6.790				ND	
87 Chlorobenzene	112		7.142				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.287				ND	
91 o-Xylene	106		7.609				ND	
92 Styrene	104		7.629				ND	
95 Bromoform	173		7.826				ND	
94 Isopropylbenzene	105		7.889				ND	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
111 1,3-Dichlorobenzene	146		8.925				ND	
113 1,4-Dichlorobenzene	146		9.008				ND	
116 1,2-Dichlorobenzene	146		9.319				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.982				ND	
119 1,2,4-Trichlorobenzene	180		10.635				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent

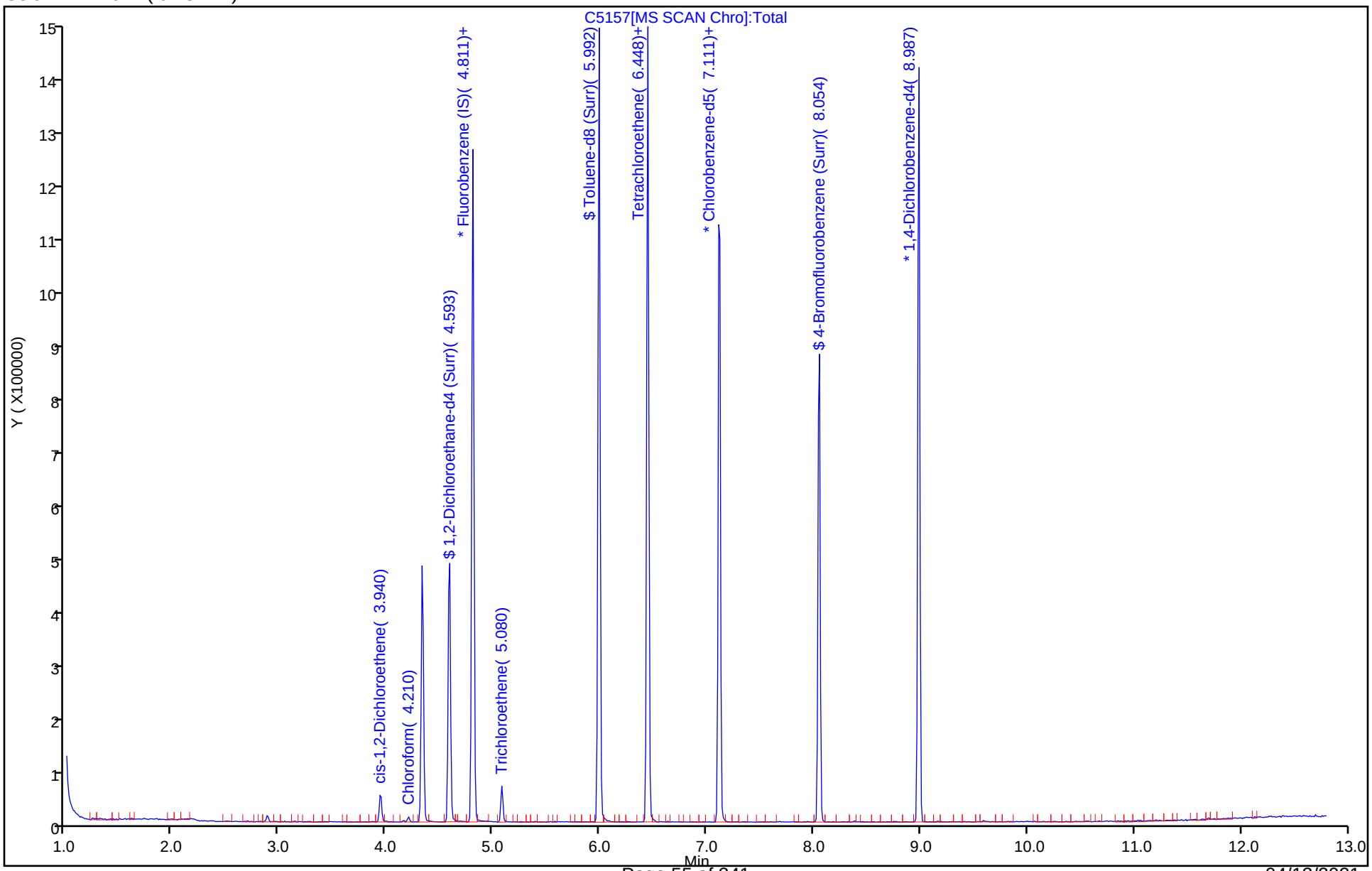
Report Date: 07-Apr-2021 19:57:35 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5157.D

Injection Date:	07-Apr-2021 17:06:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-182853-B-2	Lab Sample ID:	480-182853-2	Worklist Smp#:	22
Client ID:	MW-26S				
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	22
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

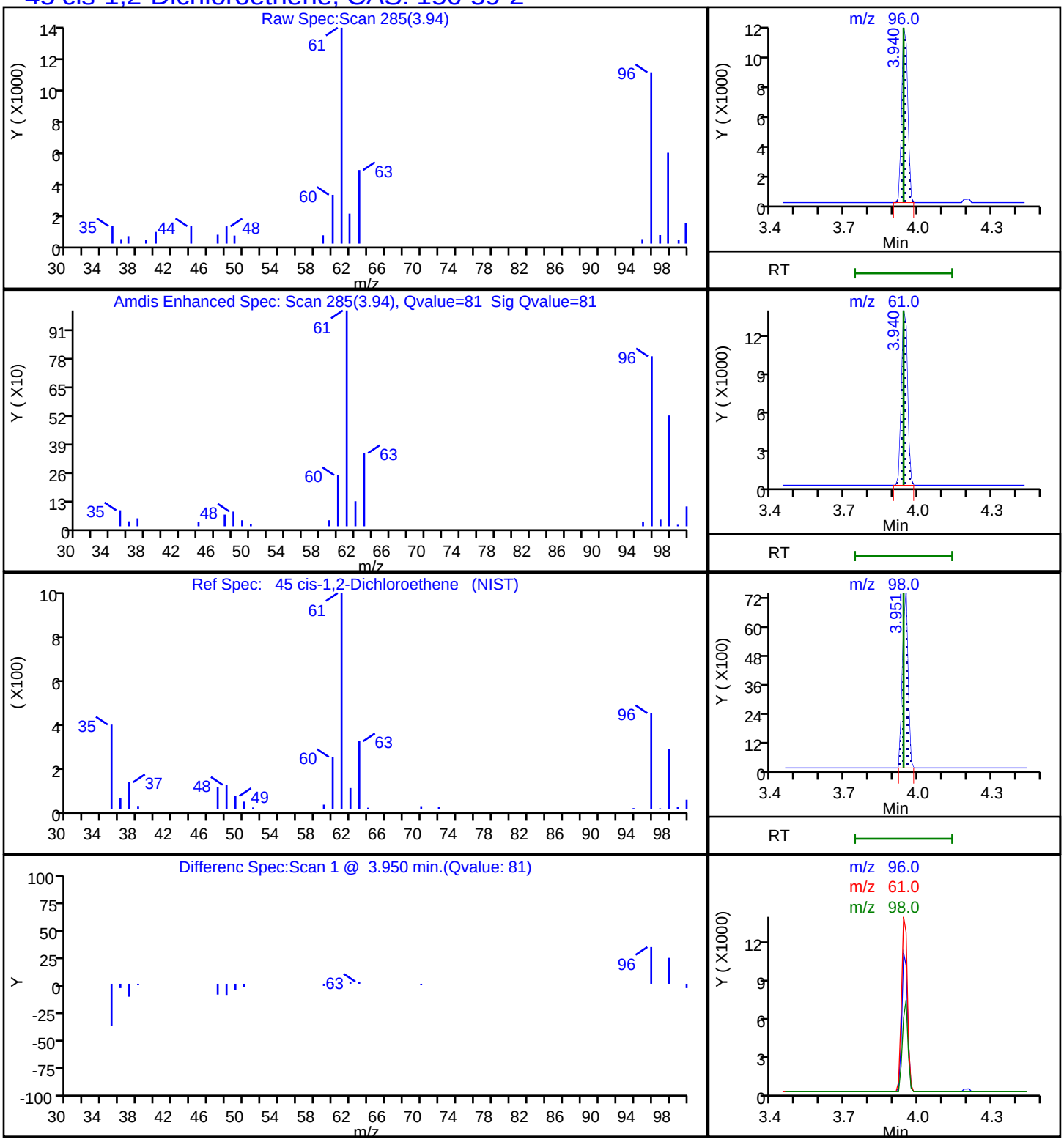
Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5157.D				
Injection Date:	07-Apr-2021 17:06:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-2	Lab Sample ID:	480-182853-2		
Client ID:	MW-26S				
Operator ID:	OI	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

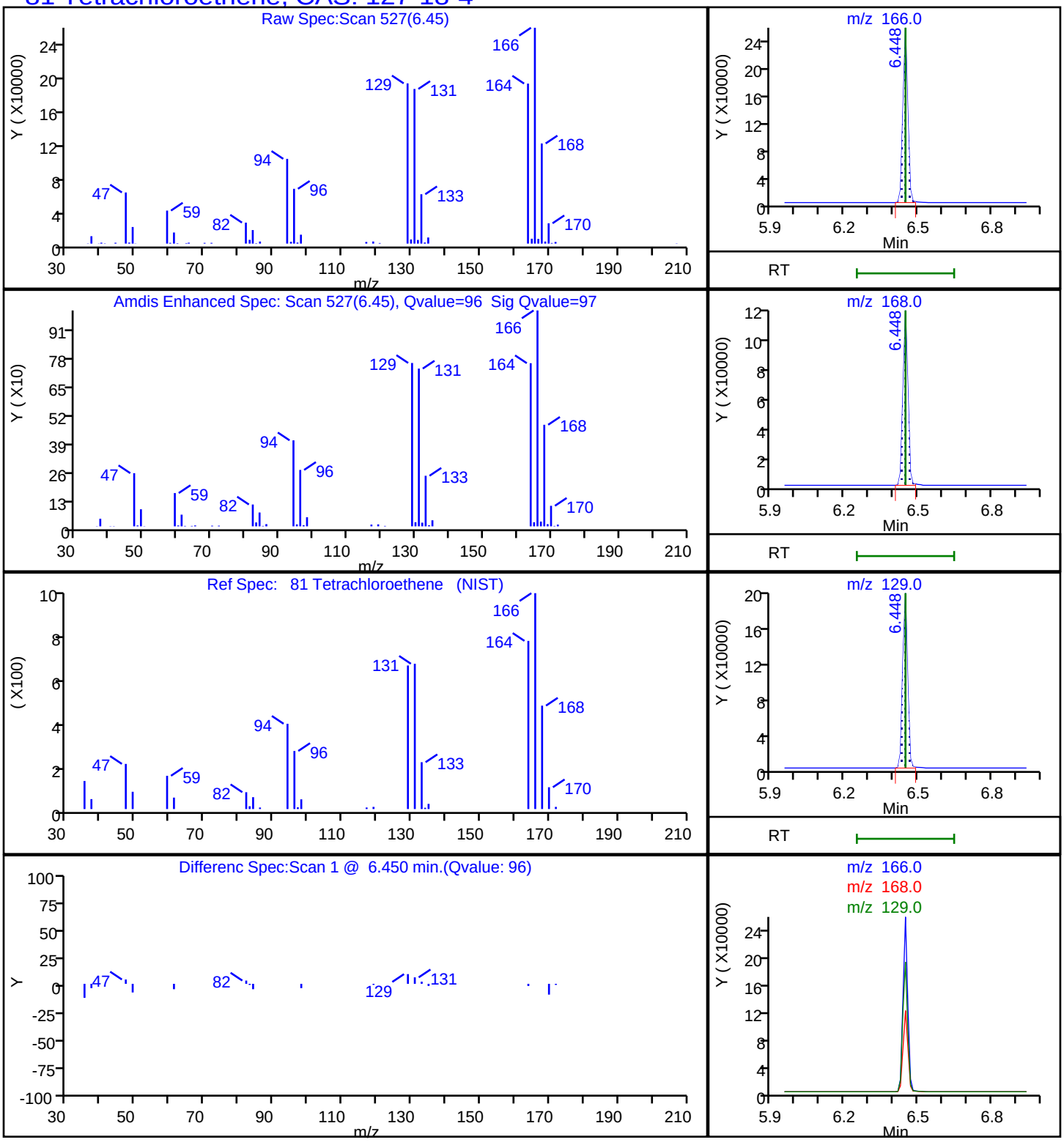
45 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5157.D		
Injection Date:	07-Apr-2021 17:06:30	Instrument ID:	HP5973C
Lims ID:	480-182853-B-2	Lab Sample ID:	480-182853-2
Client ID:	MW-26S		
Operator ID:	OI	ALS Bottle#:	22 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	20.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

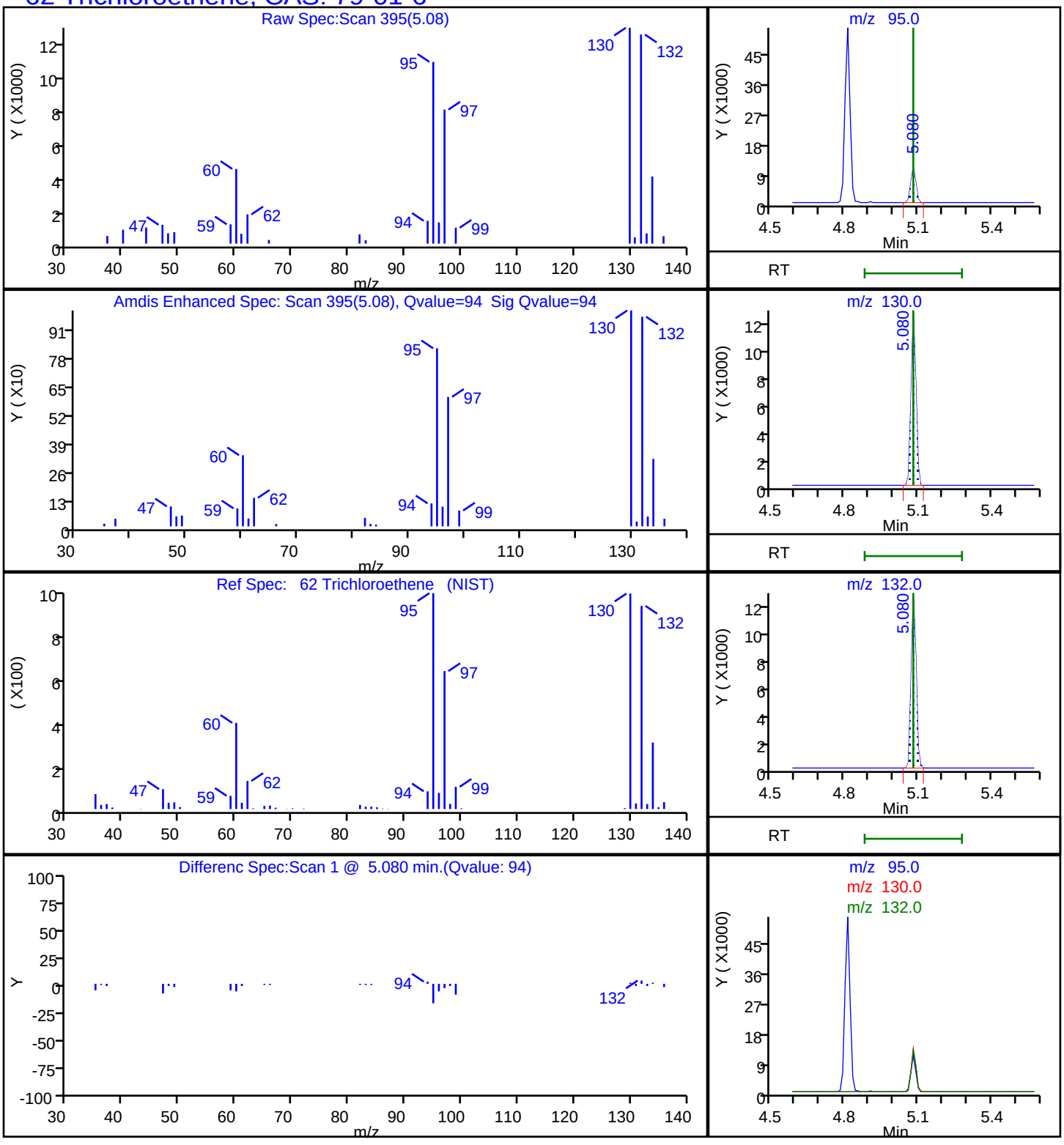
81 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5157.D		
Injection Date:	07-Apr-2021 17:06:30	Instrument ID:	HP5973C
Lims ID:	480-182853-B-2	Lab Sample ID:	480-182853-2
Client ID:	MW-26S		
Operator ID:	OI	ALS Bottle#:	22 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	20.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6



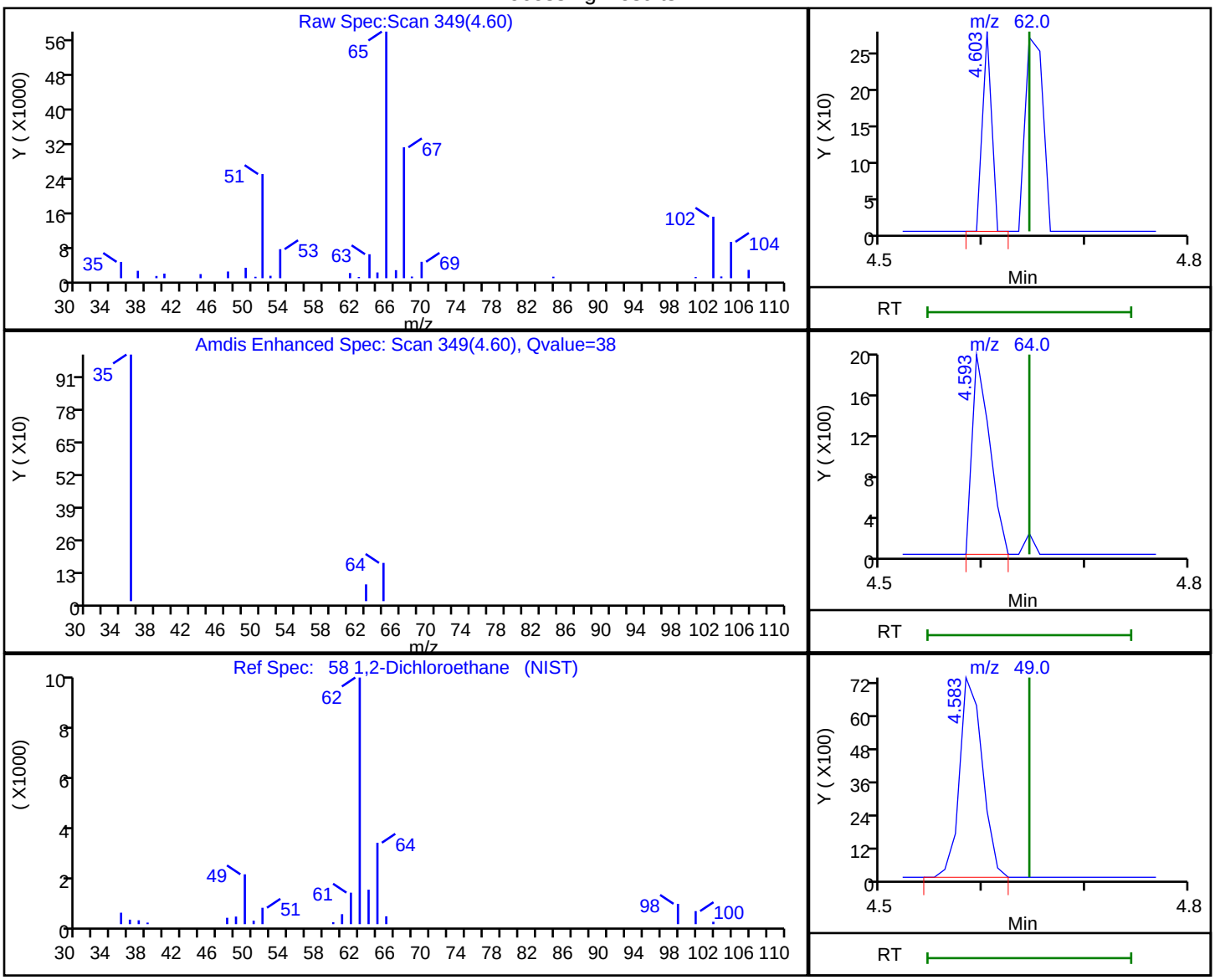
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5157.D				
Injection Date:	07-Apr-2021 17:06:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-2	Lab Sample ID:	480-182853-2		
Client ID:	MW-26S				
Operator ID:	OI	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

58 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
4.60	62.00	172	0.013340
4.59	64.00	2373	
4.58	49.00	11391	

Reviewer: lapointec, 07-Apr-2021 19:57:18

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

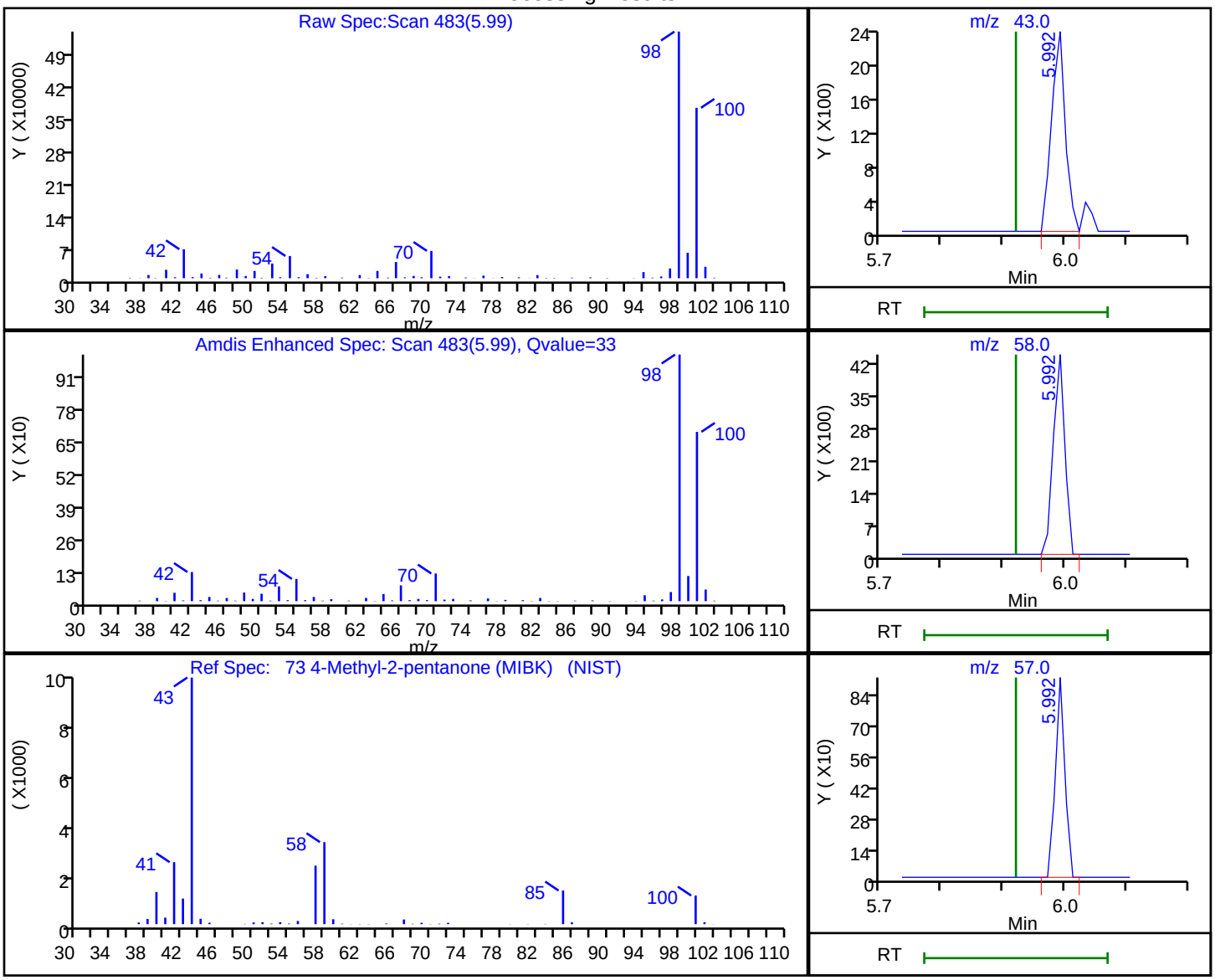
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5157.D				
Injection Date:	07-Apr-2021 17:06:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-2	Lab Sample ID:	480-182853-2		
Client ID:	MW-26S				
Operator ID:	OI	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
5.99	43.00	3707	0.246342
5.99	58.00	5747	
5.99	57.00	991	

Reviewer: lapointec, 07-Apr-2021 19:57:23

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-27S Lab Sample ID: 480-182853-3

Matrix: Water Lab File ID: C5158.D

Analysis Method: 8260C Date Collected: 04/05/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 17:30

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	1.4		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-27S Lab Sample ID: 480-182853-3

Matrix: Water Lab File ID: C5158.D

Analysis Method: 8260C Date Collected: 04/05/2021 11:05

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 17:30

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	6.6		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
2037-26-5	Toluene-d8 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5158.D
Lims ID: 480-182853-B-3
Client ID: MW-27S
Sample Type: Client
Inject. Date: 07-Apr-2021 17:30:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-182853-B-3
Misc. Info.: 480-0097664-023
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Apr-2021 19:58:20 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: lapointec Date: 07-Apr-2021 19:58:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	150348	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	270201	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	96	294026	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	98	127011	26.5	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	653719	25.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	90	190437	26.0	
10 Dichlorodifluoromethane	85		1.070				ND	
12 Chloromethane	50		1.235				ND	
13 Vinyl chloride	62		1.329				ND	
14 Bromomethane	94		1.609				ND	
15 Chloroethane	64		1.691				ND	
17 Trichlorofluoromethane	101		1.909				ND	
21 112TCTFE	101		2.386				ND	
22 1,1-Dichloroethene	96		2.396				ND	
23 Acetone	43		2.510				ND	U
26 Carbon disulfide	76		2.583				ND	
27 Methyl acetate	43		2.790				ND	
30 Methylene Chloride	84		2.883				ND	
32 Methyl tert-butyl ether	73		3.080				ND	
34 trans-1,2-Dichloroethene	96		3.090				ND	
39 1,1-Dichloroethane	63		3.464				ND	
45 cis-1,2-Dichloroethene	96		3.940				ND	
43 2-Butanone (MEK)	43		3.971				ND	
50 Chloroform	83	4.210	4.210	0.000	94	19752	1.39	
52 Cyclohexane	56		4.303				ND	
51 1,1,1-Trichloroethane	97		4.303				ND	
55 Carbon tetrachloride	117		4.417				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.645				ND	
62 Trichloroethene	95		5.080				ND	
64 Methylcyclohexane	83		5.173				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.267				ND	
68 Dichlorobromomethane	83		5.495				ND	
72 cis-1,3-Dichloropropene	75		5.816				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.920				ND	U
74 Toluene	92		6.044				ND	
77 trans-1,3-Dichloropropene	75		6.251				ND	
79 1,1,2-Trichloroethane	83		6.396				ND	
81 Tetrachloroethene	166	6.448	6.448	0.000	96	46333	6.58	
80 2-Hexanone	43		6.562				ND	
83 Chlorodibromomethane	129		6.707				ND	
84 Ethylene Dibromide	107		6.790				ND	
87 Chlorobenzene	112		7.142				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.287				ND	
91 o-Xylene	106		7.609				ND	
92 Styrene	104		7.629				ND	
95 Bromoform	173		7.826				ND	
94 Isopropylbenzene	105		7.889				ND	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
111 1,3-Dichlorobenzene	146		8.925				ND	
113 1,4-Dichlorobenzene	146		9.008				ND	
116 1,2-Dichlorobenzene	146		9.319				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.982				ND	
119 1,2,4-Trichlorobenzene	180		10.635				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent

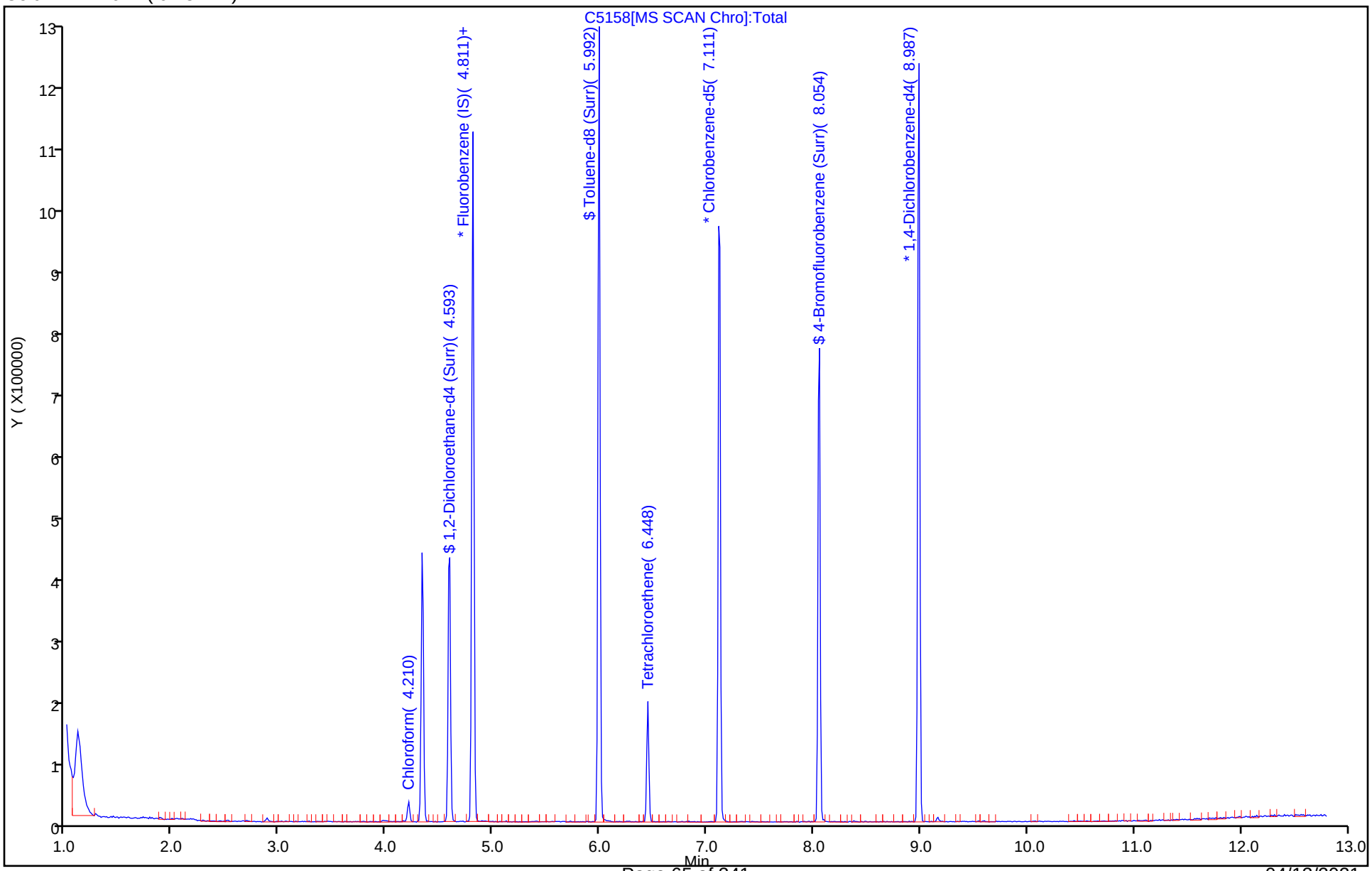
Report Date: 07-Apr-2021 19:58:21 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5158.D

Injection Date:	07-Apr-2021 17:30:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-182853-B-3	Lab Sample ID:	480-182853-3	Worklist Smp#:	23
Client ID:	MW-27S				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

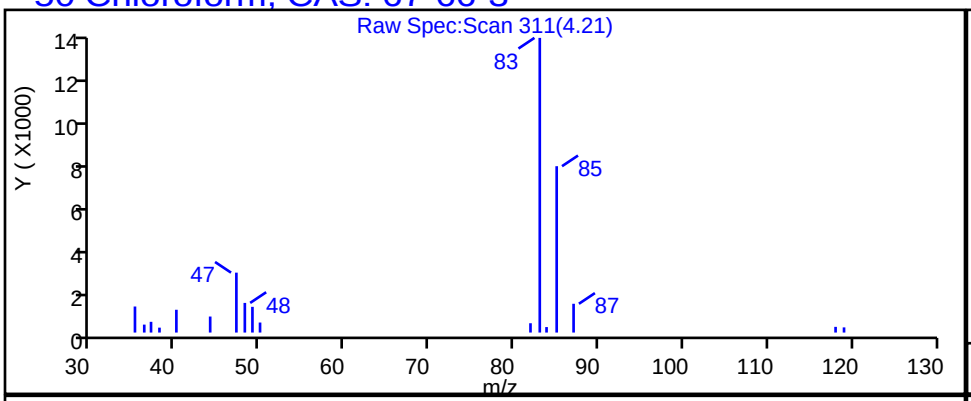


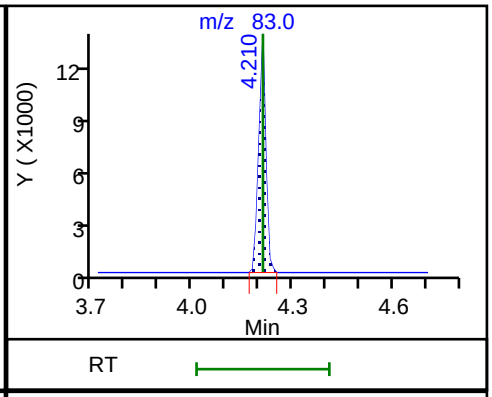
Eurofins TestAmerica, Buffalo

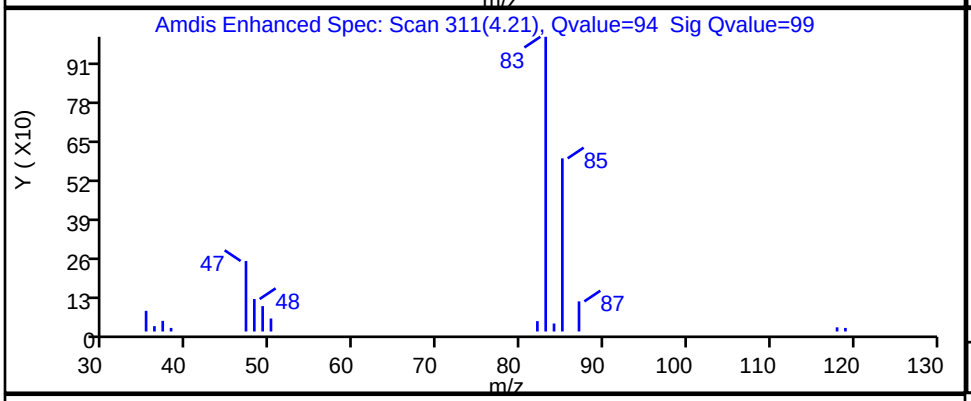
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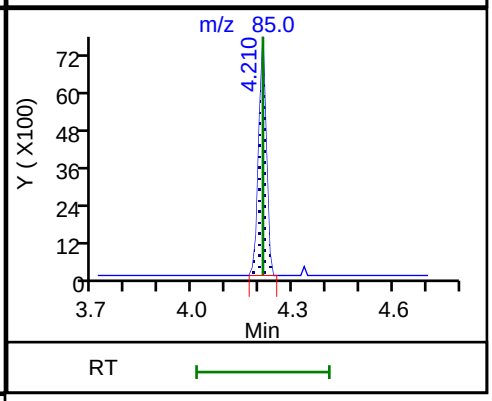
Injection Date:	07-Apr-2021 17:30:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-3	Lab Sample ID:	480-182853-3		
Client ID:	MW-27S				
Operator ID:	OI	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

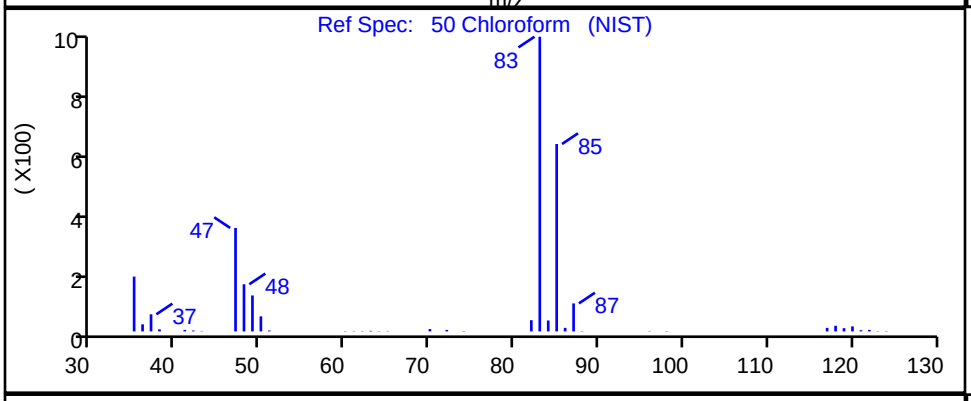
50 Chloroform, CAS: 67-66-3

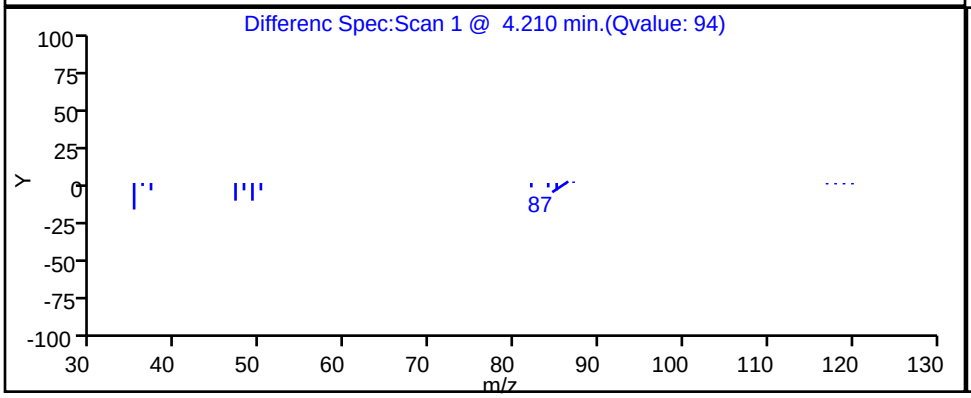


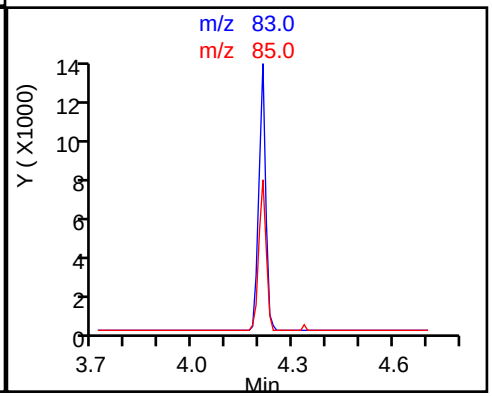








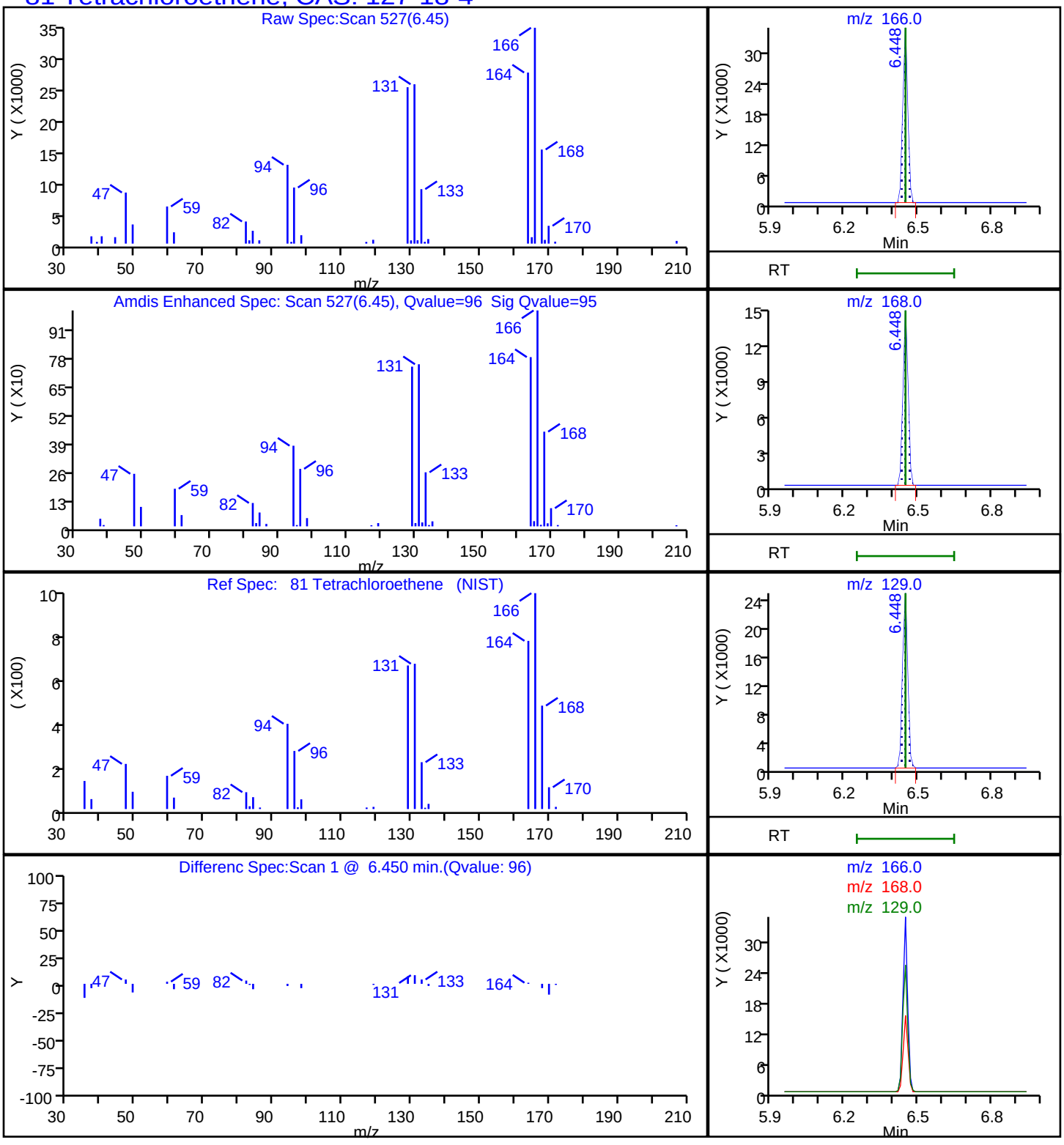




Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5158.D		
Injection Date:	07-Apr-2021 17:30:30	Instrument ID:	HP5973C
Lims ID:	480-182853-B-3	Lab Sample ID:	480-182853-3
Client ID:	MW-27S		
Operator ID:	OI	ALS Bottle#:	23 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

81 Tetrachloroethene, CAS: 127-18-4



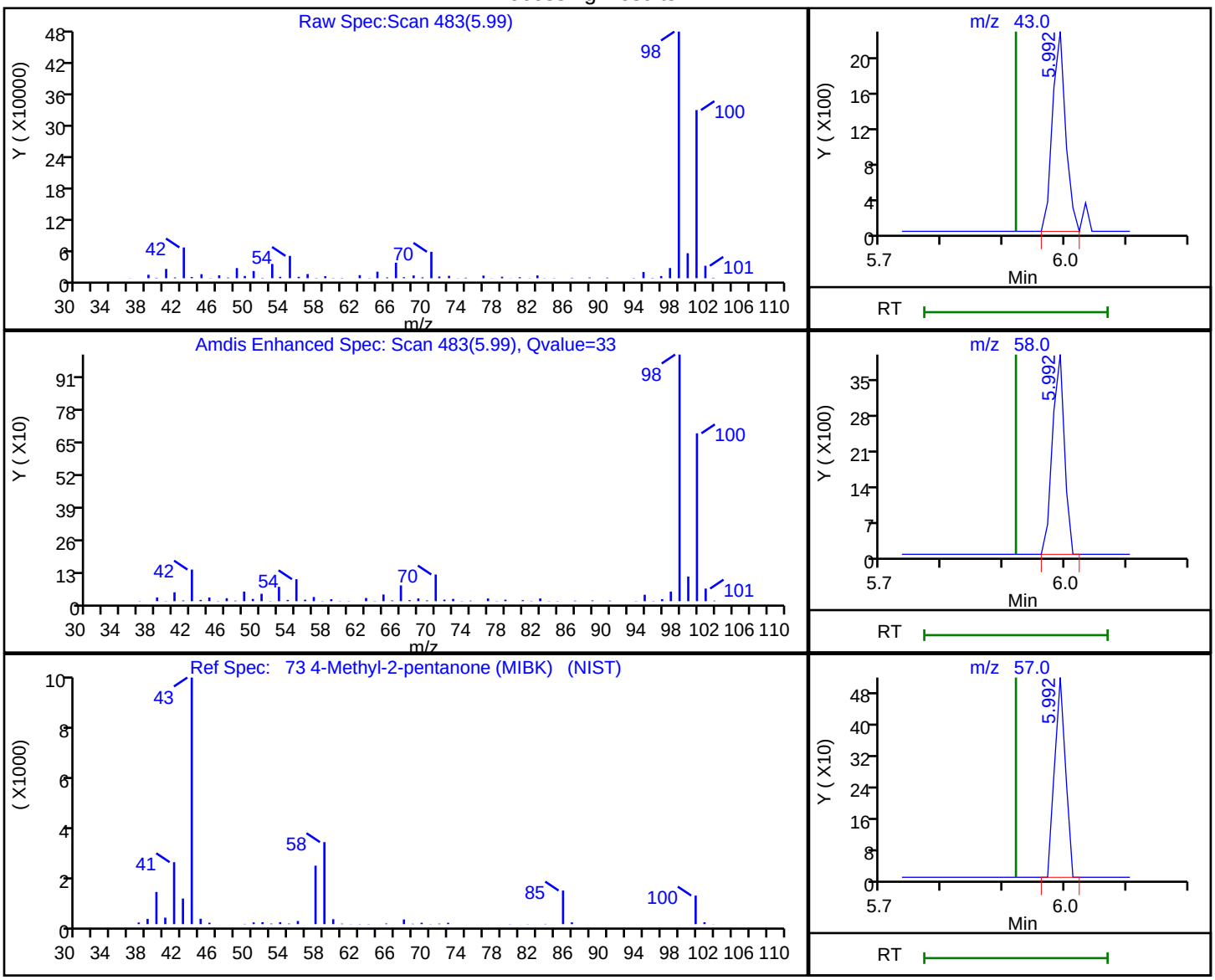
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5158.D				
Injection Date:	07-Apr-2021 17:30:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-3	Lab Sample ID:	480-182853-3		
Client ID:	MW-27S				
Operator ID:	OI	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
5.99	43.00	3396	0.259117
5.99	58.00	5302	
5.99	57.00	634	

Reviewer: lapointec, 07-Apr-2021 19:58:09

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-24D Lab Sample ID: 480-182853-4

Matrix: Water Lab File ID: C5159.D

Analysis Method: 8260C Date Collected: 04/05/2021 13:50

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 17:53

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		8.0	2.5
75-34-3	1,1-Dichloroethane	ND		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
591-78-6	2-Hexanone	ND		40	9.9
78-93-3	2-Butanone (MEK)	ND		80	11
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Bromodichloromethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
124-48-1	Dibromochloromethane	ND		8.0	2.6
75-00-3	Chloroethane	ND		8.0	2.6
67-66-3	Chloroform	ND		8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	200		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4
100-41-4	Ethylbenzene	ND		8.0	5.9
98-82-8	Isopropylbenzene	ND		8.0	6.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-24D Lab Sample ID: 480-182853-4

Matrix: Water Lab File ID: C5159.D

Analysis Method: 8260C Date Collected: 04/05/2021 13:50

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 17:53

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	ND		8.0	3.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	310		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	ND		8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	120		8.0	3.7
75-69-4	Trichlorofluoromethane	ND		8.0	7.0
75-01-4	Vinyl chloride	ND		8.0	7.2
1330-20-7	Xylenes, Total	ND		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
2037-26-5	Toluene-d8 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5159.D
Lims ID: 480-182853-B-4
Client ID: MW-24D
Sample Type: Client
Inject. Date: 07-Apr-2021 17:53:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 8.0000
Sample Info: 480-182853-B-4
Misc. Info.: 480-0097664-024
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Apr-2021 19:59:46 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: lapointec Date: 07-Apr-2021 19:59:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	157190	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	274885	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	301132	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	98	132537	26.5	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	677696	26.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	90	198161	26.6	
10 Dichlorodifluoromethane	85		1.070				ND	
12 Chloromethane	50		1.235				ND	
13 Vinyl chloride	62		1.329				ND	
14 Bromomethane	94		1.609				ND	
15 Chloroethane	64		1.691				ND	
17 Trichlorofluoromethane	101		1.909				ND	
21 112TCTFE	101		2.386				ND	
22 1,1-Dichloroethene	96		2.396				ND	U
23 Acetone	43		2.510				ND	MU
26 Carbon disulfide	76		2.583				ND	
27 Methyl acetate	43		2.790				ND	
30 Methylene Chloride	84		2.883				ND	7
32 Methyl tert-butyl ether	73		3.080				ND	
34 trans-1,2-Dichloroethene	96		3.090				ND	
39 1,1-Dichloroethane	63		3.464				ND	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	81	218704	24.6	
43 2-Butanone (MEK)	43		3.971				ND	
50 Chloroform	83		4.210				ND	U
52 Cyclohexane	56		4.303				ND	
51 1,1,1-Trichloroethane	97		4.303				ND	
55 Carbon tetrachloride	117		4.417				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.645				ND	
62 Trichloroethene	95	5.080	5.080	0.000	95	118653	14.7	
64 Methylcyclohexane	83		5.173				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.267				ND	
68 Dichlorobromomethane	83		5.495				ND	
72 cis-1,3-Dichloropropene	75		5.816				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.920				ND	U
74 Toluene	92		6.044				ND	
77 trans-1,3-Dichloropropene	75		6.251				ND	
79 1,1,2-Trichloroethane	83		6.396				ND	U
81 Tetrachloroethene	166	6.448	6.448	0.000	96	277998	38.8	
80 2-Hexanone	43		6.562				ND	
83 Chlorodibromomethane	129		6.707				ND	
84 Ethylene Dibromide	107		6.790				ND	
87 Chlorobenzene	112		7.142				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.287				ND	
91 o-Xylene	106		7.609				ND	
92 Styrene	104		7.629				ND	
95 Bromoform	173		7.826				ND	
94 Isopropylbenzene	105		7.889				ND	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
111 1,3-Dichlorobenzene	146		8.925				ND	
113 1,4-Dichlorobenzene	146		9.008				ND	
116 1,2-Dichlorobenzene	146		9.319				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.982				ND	
119 1,2,4-Trichlorobenzene	180		10.635				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

Review Flags
- M - Manually Integrated
- U - Marked Undetected

Reagents:

C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent

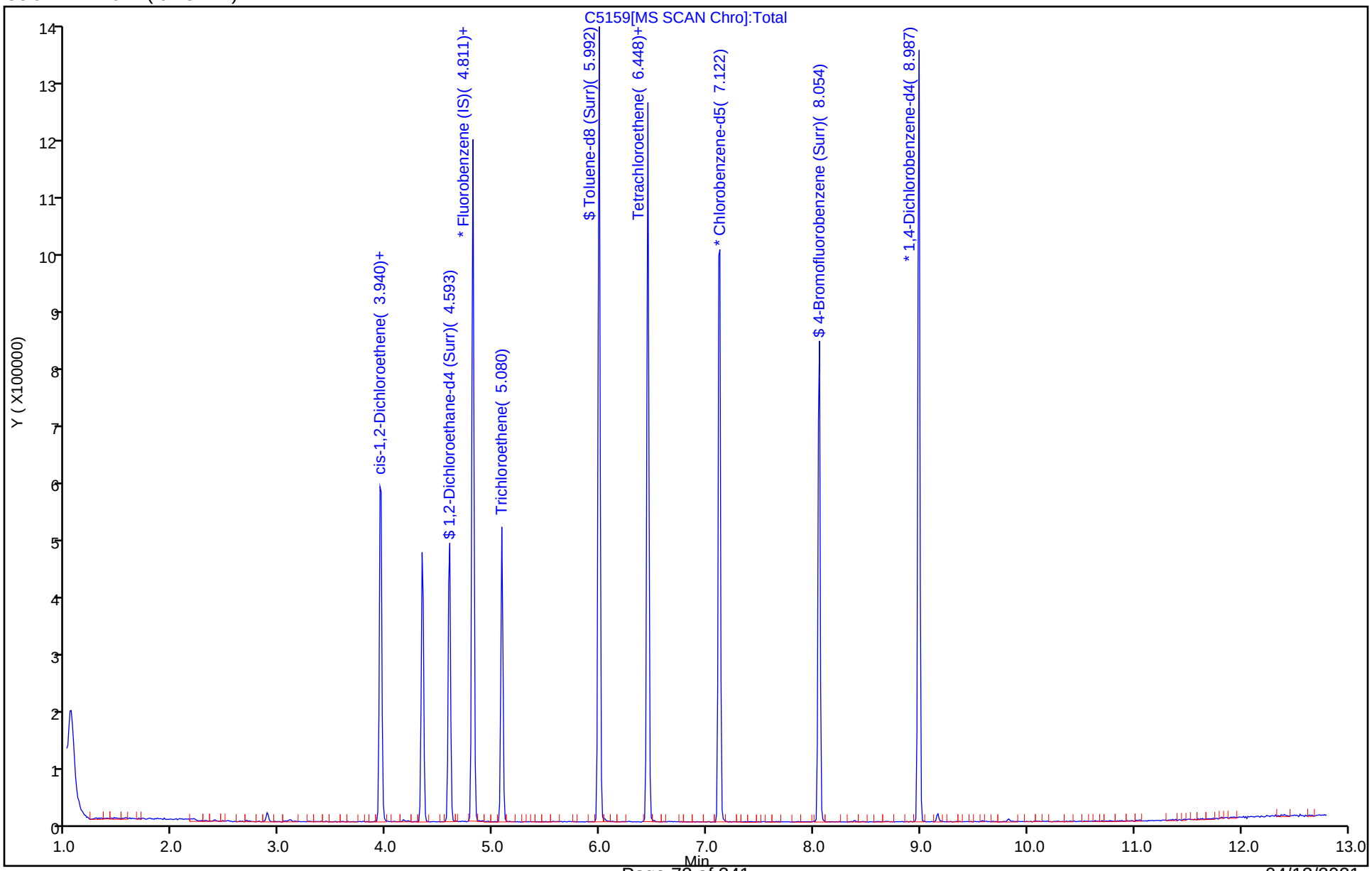
Report Date: 07-Apr-2021 19:59:46 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5159.D

Injection Date:	07-Apr-2021 17:53:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-182853-B-4	Lab Sample ID:	480-182853-4	Worklist Smp#:	24
Client ID:	MW-24D				
Purge Vol:	5.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	24
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



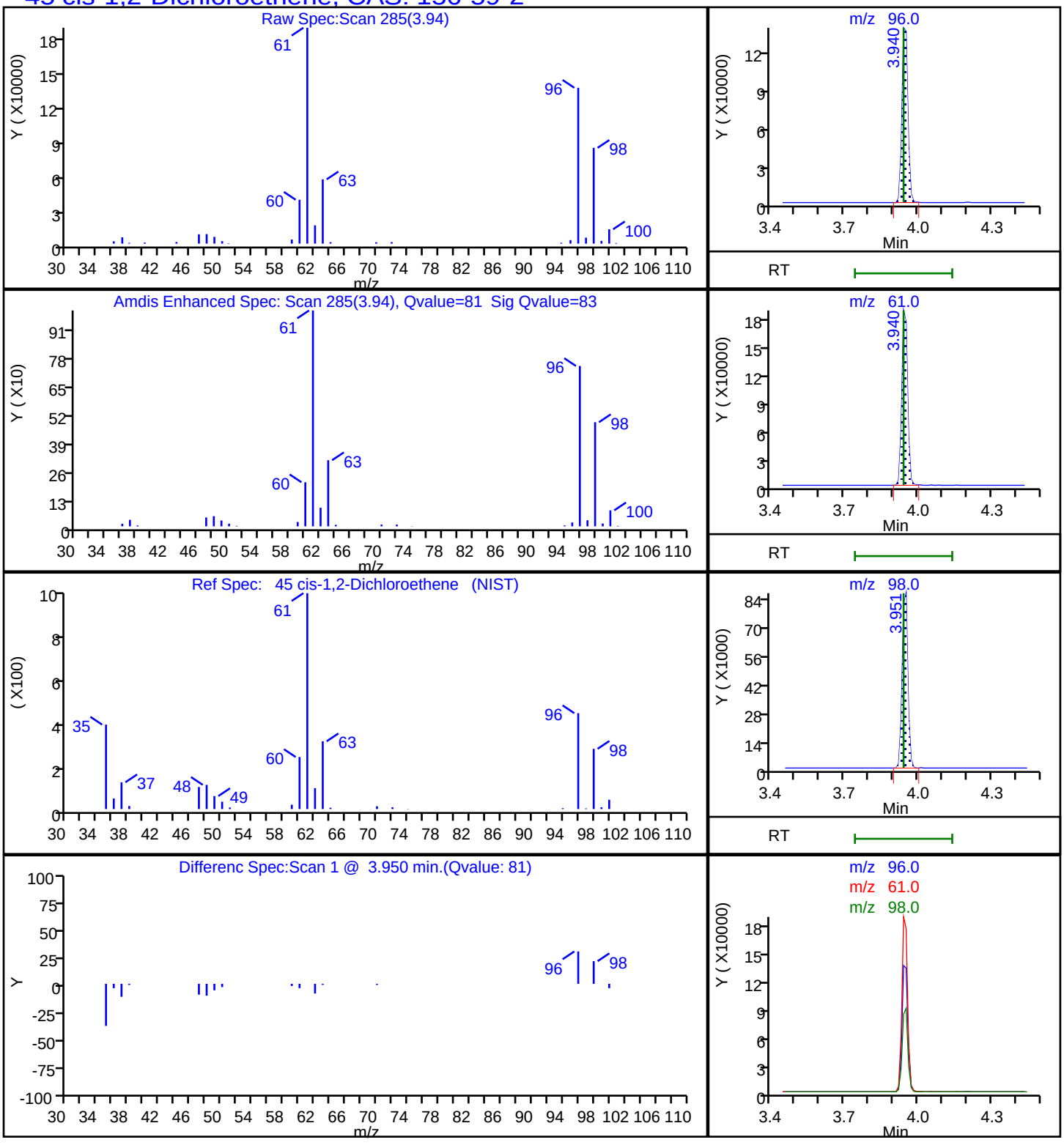
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5159.D

Injection Date:	07-Apr-2021 17:53:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-4	Lab Sample ID:	480-182853-4		
Client ID:	MW-24D				
Operator ID:	OI	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

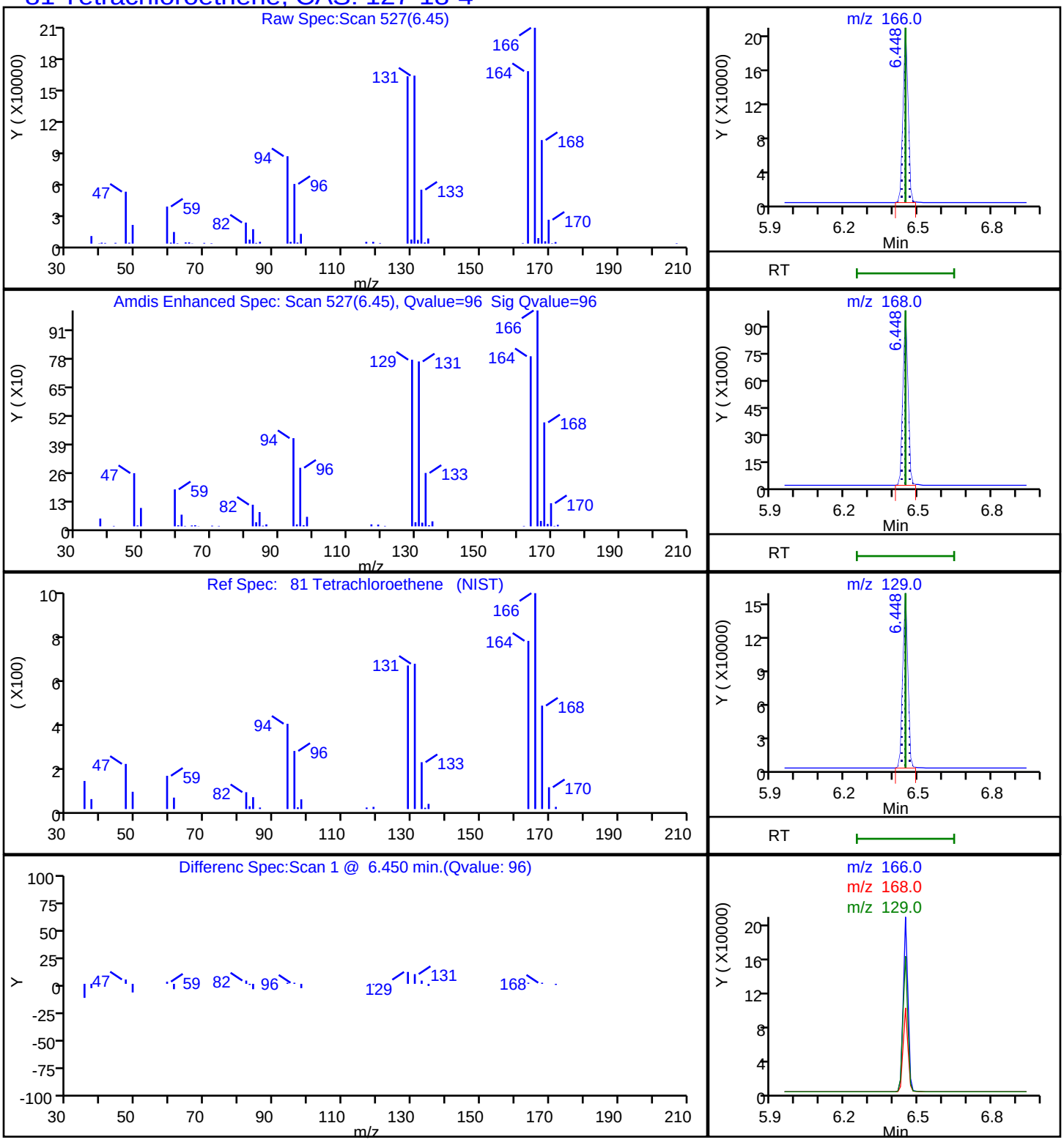
45 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5159.D		
Injection Date:	07-Apr-2021 17:53:30	Instrument ID:	HP5973C
Lims ID:	480-182853-B-4	Lab Sample ID:	480-182853-4
Client ID:	MW-24D		
Operator ID:	OI	ALS Bottle#:	24 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

81 Tetrachloroethene, CAS: 127-18-4

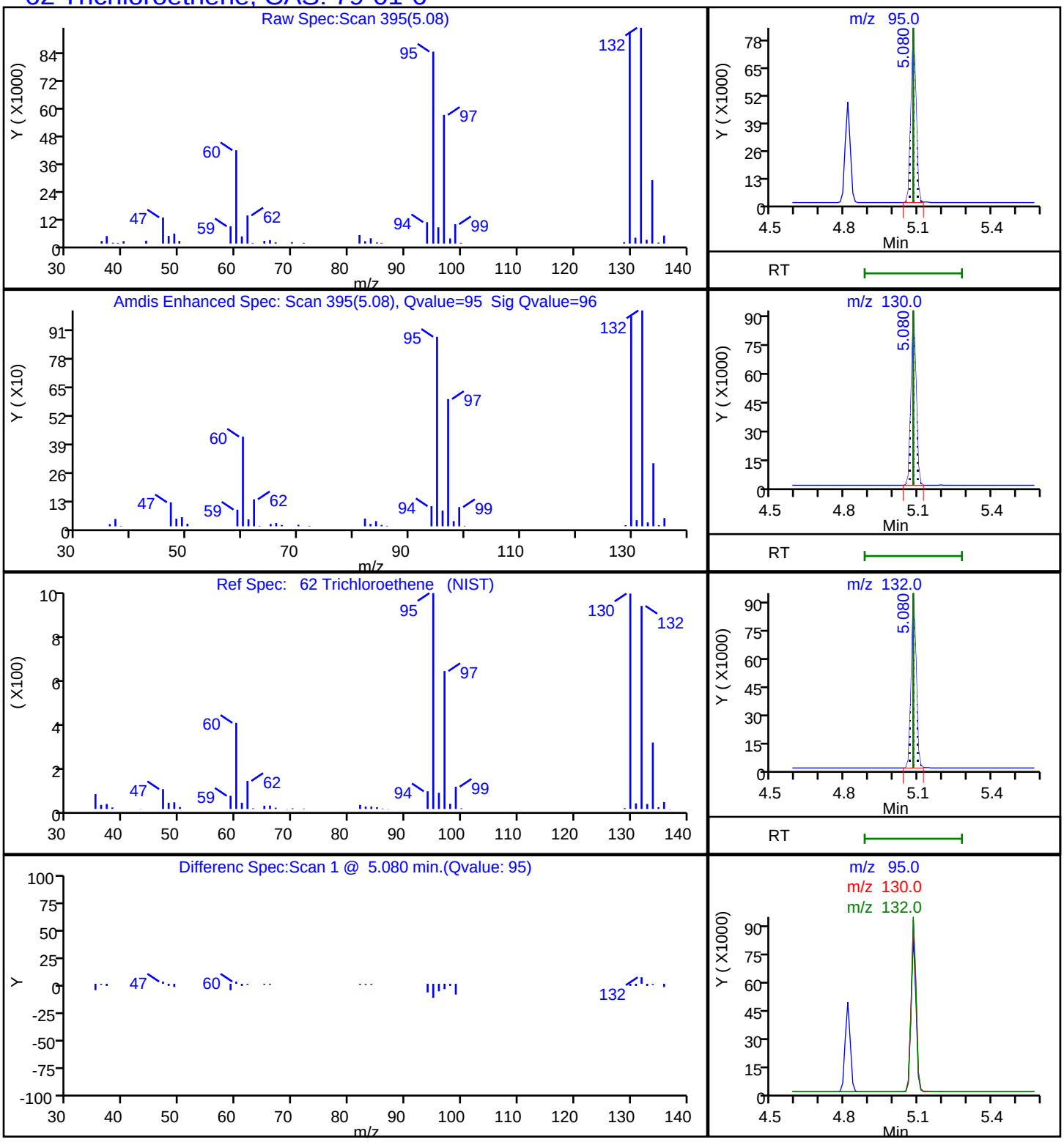


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5159.D

Injection Date:	07-Apr-2021 17:53:30	Instrument ID:	HP5973C
Lims ID:	480-182853-B-4	Lab Sample ID:	480-182853-4
Client ID:	MW-24D		
Operator ID:	OI	ALS Bottle#:	24 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6



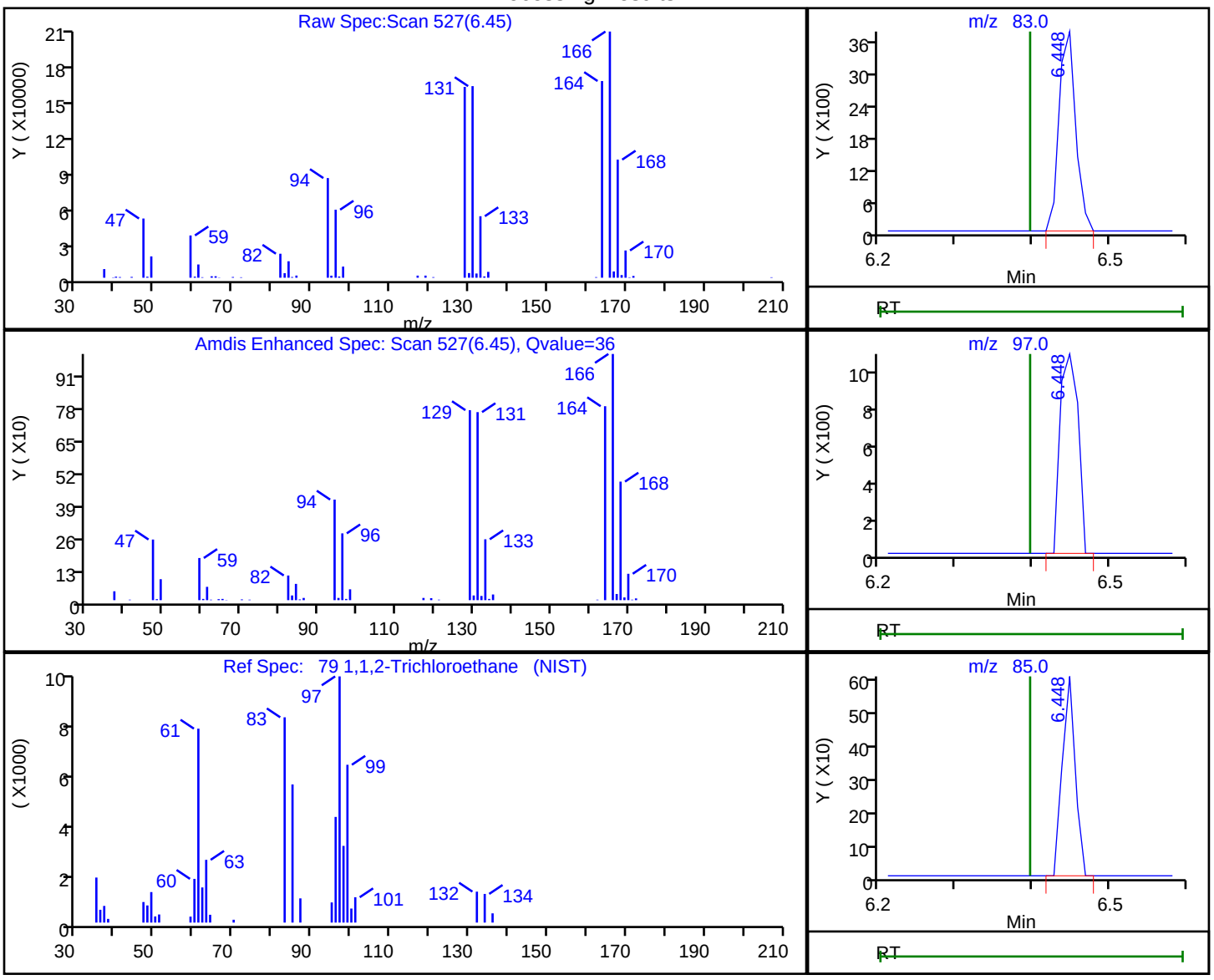
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5159.D				
Injection Date:	07-Apr-2021 17:53:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-4	Lab Sample ID:	480-182853-4		
Client ID:	MW-24D				
Operator ID:	OI	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.45	83.00	5740	1.070121
6.45	97.00	1655	
6.45	85.00	716	

Reviewer: lapointec, 07-Apr-2021 19:59:33

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

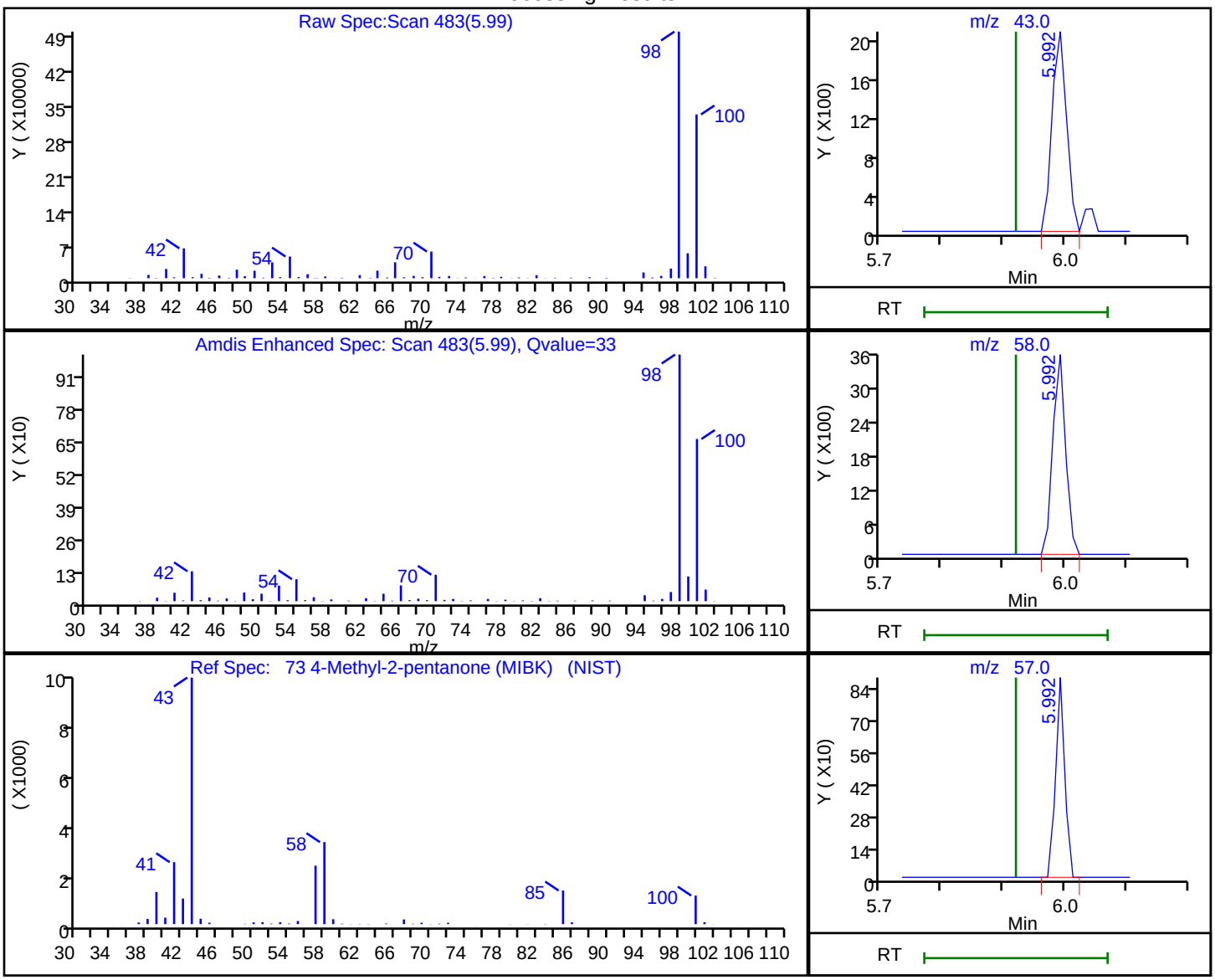
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5159.D				
Injection Date:	07-Apr-2021 17:53:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-4	Lab Sample ID:	480-182853-4		
Client ID:	MW-24D				
Operator ID:	OI	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
5.99	43.00	3434	0.257552
5.99	58.00	5108	
5.99	57.00	917	

Reviewer: lapointec, 07-Apr-2021 19:59:26

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-23D Lab Sample ID: 480-182853-5

Matrix: Water Lab File ID: C5160.D

Analysis Method: 8260C Date Collected: 04/05/2021 12:40

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 18:17

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-23D Lab Sample ID: 480-182853-5

Matrix: Water Lab File ID: C5160.D

Analysis Method: 8260C Date Collected: 04/05/2021 12:40

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 18:17

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	1.6		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
2037-26-5	Toluene-d8 (Surr)	107		80-120
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5160.D
Lims ID: 480-182853-B-5
Client ID: MW-23D
Sample Type: Client
Inject. Date: 07-Apr-2021 18:17:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-182853-B-5
Misc. Info.: 480-0097664-025
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Apr-2021 20:00:40 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: lapointec Date: 07-Apr-2021 20:00:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	162042	25.0	
* 2 Chlorobenzene-d5	82	7.112	7.111	0.001	86	294083	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	96	306428	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	98	137580	26.6	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	736398	26.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.054	0.001	91	218655	27.5	
10 Dichlorodifluoromethane	85		1.070				ND	
12 Chloromethane	50		1.235				ND	
13 Vinyl chloride	62		1.329				ND	
14 Bromomethane	94		1.609				ND	
15 Chloroethane	64		1.691				ND	
17 Trichlorofluoromethane	101		1.909				ND	
21 112TCTFE	101		2.386				ND	
22 1,1-Dichloroethene	96		2.396				ND	
23 Acetone	43		2.510				ND	U
26 Carbon disulfide	76		2.583				ND	
27 Methyl acetate	43		2.790				ND	
30 Methylene Chloride	84		2.883				ND	U
32 Methyl tert-butyl ether	73		3.080				ND	
34 trans-1,2-Dichloroethene	96		3.090				ND	
39 1,1-Dichloroethane	63		3.464				ND	
45 cis-1,2-Dichloroethene	96		3.940				ND	
43 2-Butanone (MEK)	43		3.971				ND	
50 Chloroform	83	4.210	4.220	0.000	93	4300	0.2818	
52 Cyclohexane	56		4.303				ND	
51 1,1,1-Trichloroethane	97		4.303				ND	
55 Carbon tetrachloride	117		4.417				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.645				ND	
62 Trichloroethene	95		5.080				ND	
64 Methylcyclohexane	83		5.173				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.267				ND	
68 Dichlorobromomethane	83		5.495				ND	
72 cis-1,3-Dichloropropene	75		5.816				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.920				ND	U
74 Toluene	92		6.044				ND	
77 trans-1,3-Dichloropropene	75		6.251				ND	
79 1,1,2-Trichloroethane	83		6.396				ND	
81 Tetrachloroethene	166	6.448	6.448	0.000	98	12094	1.58	
80 2-Hexanone	43		6.562				ND	
83 Chlorodibromomethane	129		6.707				ND	
84 Ethylene Dibromide	107		6.790				ND	
87 Chlorobenzene	112		7.142				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.287				ND	
91 o-Xylene	106		7.609				ND	
92 Styrene	104		7.629				ND	
95 Bromoform	173		7.826				ND	
94 Isopropylbenzene	105		7.889				ND	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
111 1,3-Dichlorobenzene	146		8.925				ND	
113 1,4-Dichlorobenzene	146		9.008				ND	
116 1,2-Dichlorobenzene	146		9.319				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.982				ND	
119 1,2,4-Trichlorobenzene	180		10.635				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent

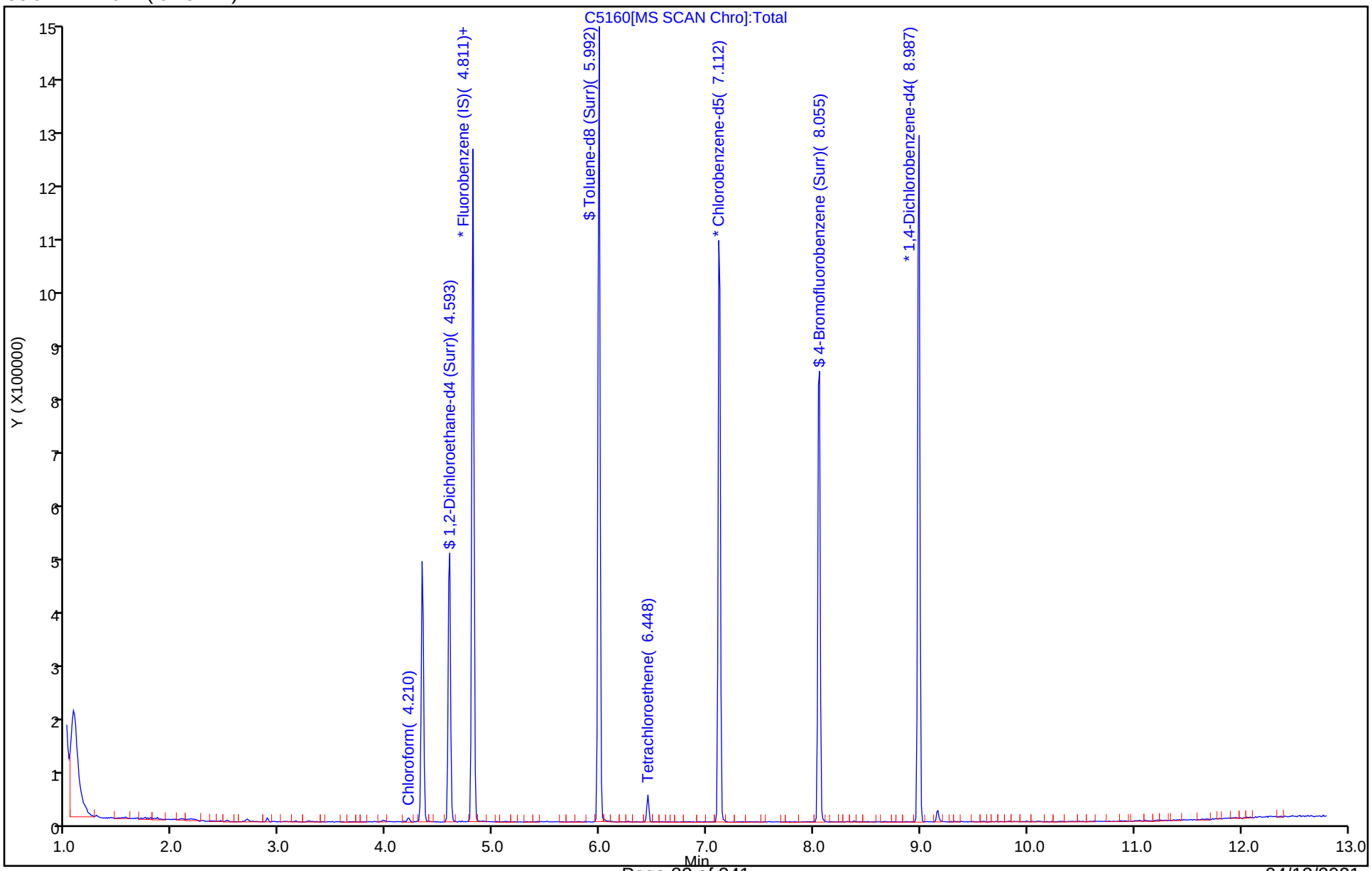
Report Date: 07-Apr-2021 20:00:40 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5160.D

Injection Date:	07-Apr-2021 18:17:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-182853-B-5	Lab Sample ID:	480-182853-5	Worklist Smp#:	25
Client ID:	MW-23D				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

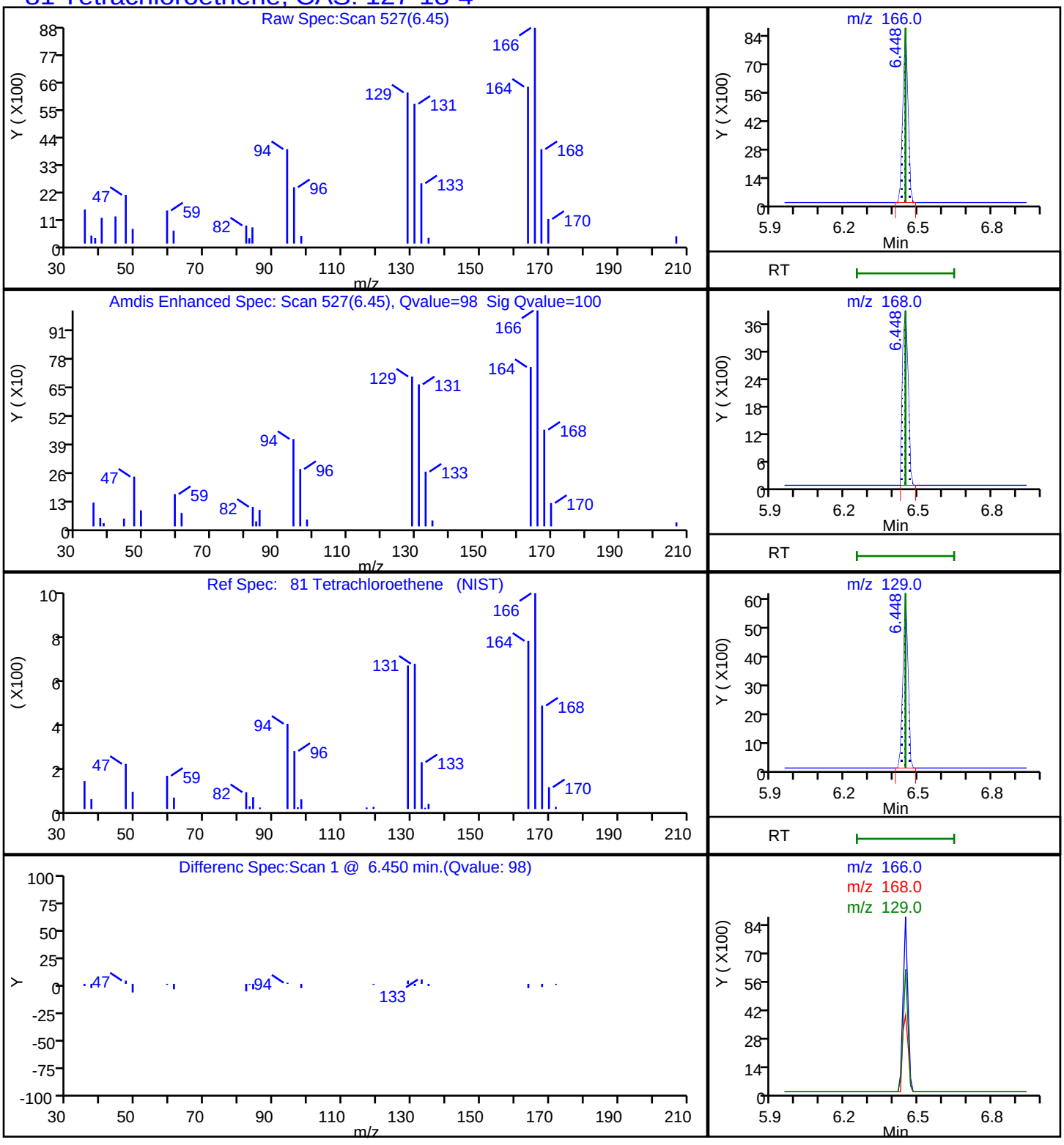
Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5160.D		
Injection Date:	07-Apr-2021 18:17:30	Instrument ID:	HP5973C
Lims ID:	480-182853-B-5	Lab Sample ID:	480-182853-5
Client ID:	MW-23D		
Operator ID:	OI	ALS Bottle#:	25 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

81 Tetrachloroethene, CAS: 127-18-4



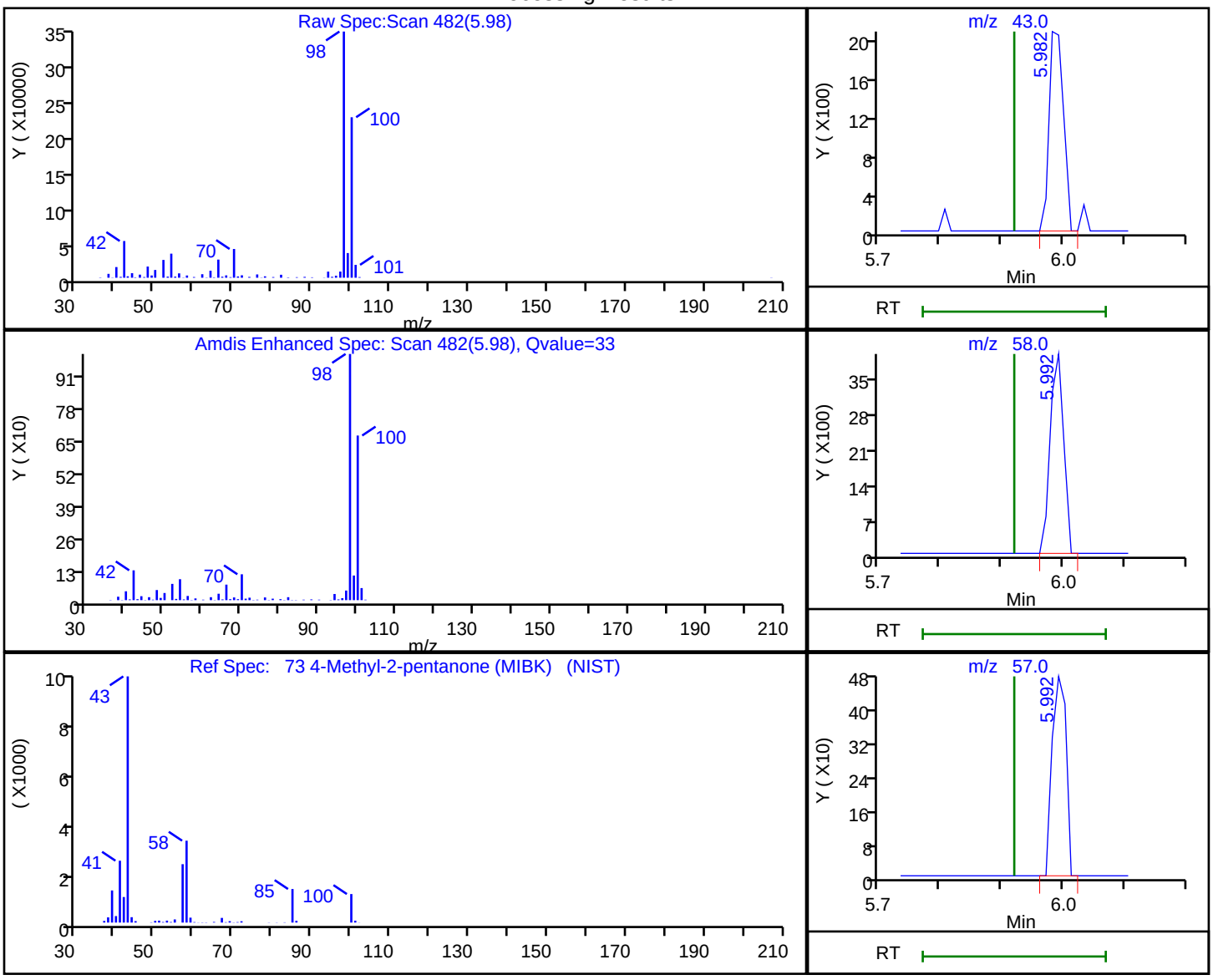
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5160.D				
Injection Date:	07-Apr-2021 18:17:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-5	Lab Sample ID:	480-182853-5		
Client ID:	MW-23D				
Operator ID:	OI	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
5.98	43.00	3288	0.230503
5.99	58.00	5980	
5.99	57.00	751	

Reviewer: lapointec, 07-Apr-2021 20:00:29

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-182853-6

Matrix: Water Lab File ID: C5161.D

Analysis Method: 8260C Date Collected: 04/05/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 18:40

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		8.0	2.5
75-34-3	1,1-Dichloroethane	ND		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
591-78-6	2-Hexanone	ND		40	9.9
78-93-3	2-Butanone (MEK)	ND		80	11
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Bromodichloromethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
124-48-1	Dibromochloromethane	ND		8.0	2.6
75-00-3	Chloroethane	ND		8.0	2.6
67-66-3	Chloroform	3.8	J	8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	590		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4
100-41-4	Ethylbenzene	ND		8.0	5.9
98-82-8	Isopropylbenzene	ND		8.0	6.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: DUP Lab Sample ID: 480-182853-6

Matrix: Water Lab File ID: C5161.D

Analysis Method: 8260C Date Collected: 04/05/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 18:40

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	ND		8.0	3.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	580		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	7.4	J	8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	26		8.0	3.7
75-69-4	Trichlorofluoromethane	ND		8.0	7.0
75-01-4	Vinyl chloride	ND		8.0	7.2
1330-20-7	Xylenes, Total	ND		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
2037-26-5	Toluene-d8 (Surr)	104		80-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5161.D
Lims ID: 480-182853-B-6
Client ID: DUP
Sample Type: Client
Inject. Date: 07-Apr-2021 18:40:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 8.0000
Sample Info: 480-182853-B-6
Misc. Info.: 480-0097664-026
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Apr-2021 20:01:32 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: lapointec Date: 07-Apr-2021 20:01:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	150870	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	87	266795	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	307061	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.593	-0.010	98	127637	26.5	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	652136	26.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	89	193194	26.8	
10 Dichlorodifluoromethane	85		1.070				ND	
12 Chloromethane	50		1.235				ND	
13 Vinyl chloride	62	1.318	1.329	-0.011	98	9275	0.8915	
14 Bromomethane	94		1.609				ND	
15 Chloroethane	64		1.691				ND	
17 Trichlorofluoromethane	101		1.909				ND	
21 112TCTFE	101		2.386				ND	
22 1,1-Dichloroethene	96		2.396				ND	
23 Acetone	43		2.510				ND	U
26 Carbon disulfide	76		2.583				ND	
27 Methyl acetate	43		2.790				ND	
30 Methylene Chloride	84		2.883				ND	7
32 Methyl tert-butyl ether	73		3.080				ND	
34 trans-1,2-Dichloroethene	96	3.090	3.090	0.000	93	7684	0.9201	
39 1,1-Dichloroethane	63		3.464				ND	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	80	625730	73.3	
43 2-Butanone (MEK)	43		3.971				ND	
50 Chloroform	83	4.210	4.220	0.000	95	6752	0.4752	
52 Cyclohexane	56		4.303				ND	
51 1,1,1-Trichloroethane	97		4.303				ND	
55 Carbon tetrachloride	117		4.417				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.645				ND	
62 Trichloroethene	95	5.080	5.080	0.000	96	25156	3.25	
64 Methylcyclohexane	83		5.173				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.267				ND	
68 Dichlorobromomethane	83		5.495				ND	
72 cis-1,3-Dichloropropene	75		5.816				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.920				ND	
74 Toluene	92		6.044				ND	
77 trans-1,3-Dichloropropene	75		6.251				ND	
79 1,1,2-Trichloroethane	83		6.396				ND	U
81 Tetrachloroethene	166	6.448	6.448	0.000	96	503862	72.4	
80 2-Hexanone	43		6.562				ND	
83 Chlorodibromomethane	129		6.707				ND	
84 Ethylene Dibromide	107		6.790				ND	
87 Chlorobenzene	112		7.142				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.287				ND	
91 o-Xylene	106		7.609				ND	
92 Styrene	104		7.629				ND	
95 Bromoform	173		7.826				ND	
94 Isopropylbenzene	105		7.889				ND	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
111 1,3-Dichlorobenzene	146		8.925				ND	
113 1,4-Dichlorobenzene	146		9.008				ND	
116 1,2-Dichlorobenzene	146		9.319				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.982				ND	
119 1,2,4-Trichlorobenzene	180		10.635				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent

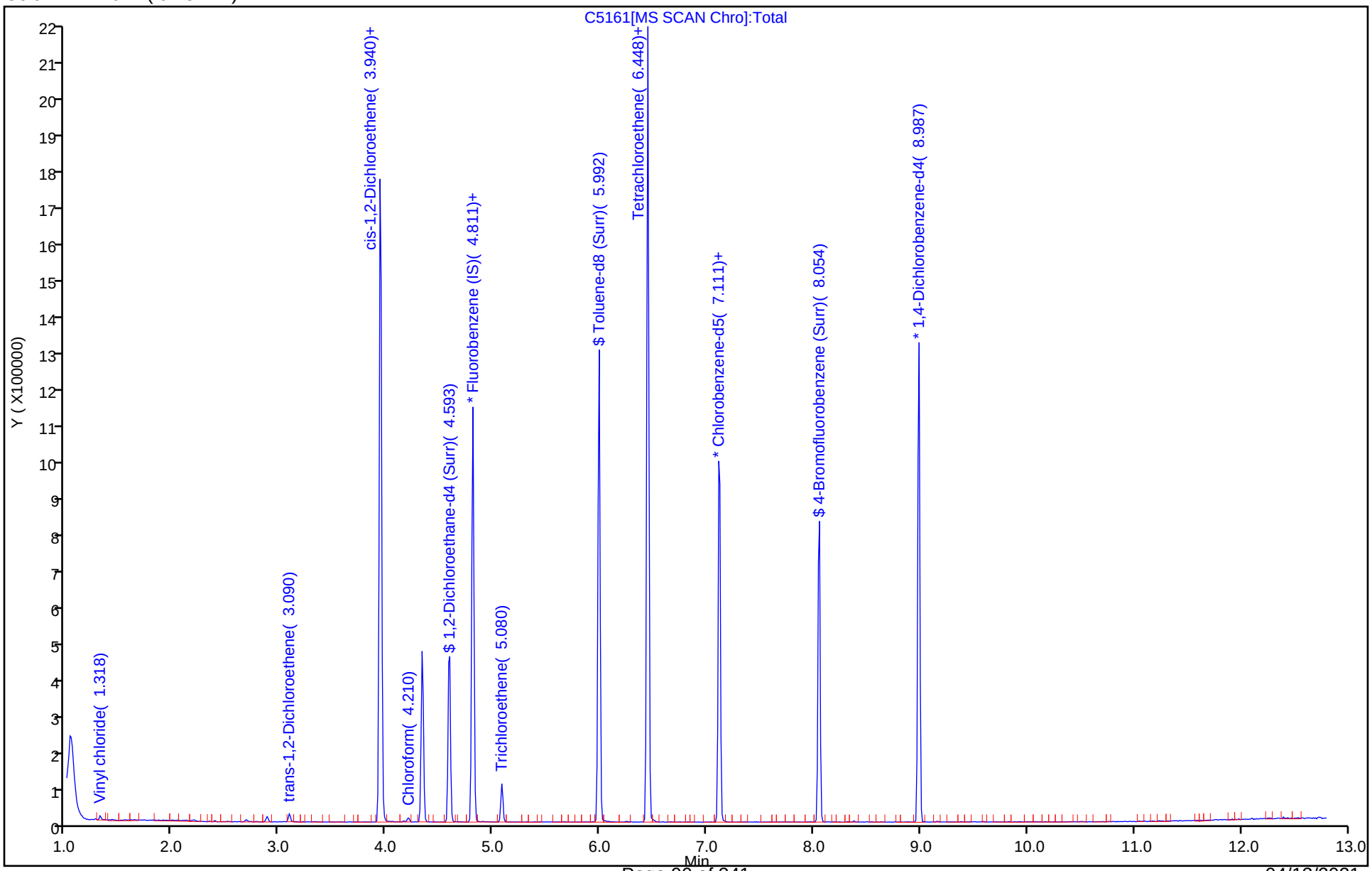
Report Date: 07-Apr-2021 20:01:33 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5161.D

Injection Date:	07-Apr-2021 18:40:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-182853-B-6	Lab Sample ID:	480-182853-6	Worklist Smp#:	26
Client ID:	DUP				
Purge Vol:	5.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	26
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

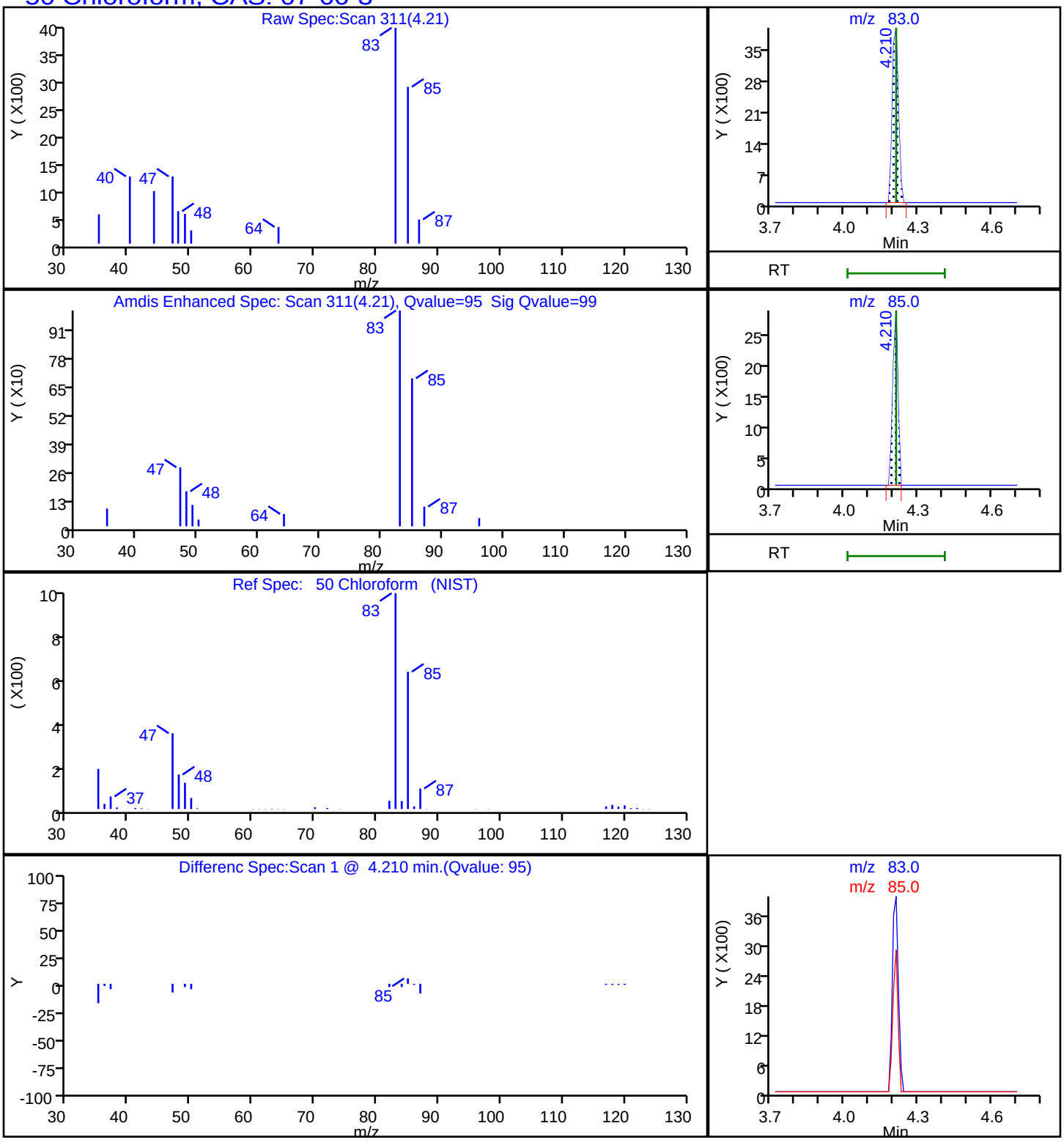


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5161.D

Injection Date:	07-Apr-2021 18:40:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-6	Lab Sample ID:	480-182853-6		
Client ID:	DUP				
Operator ID:	OI	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3



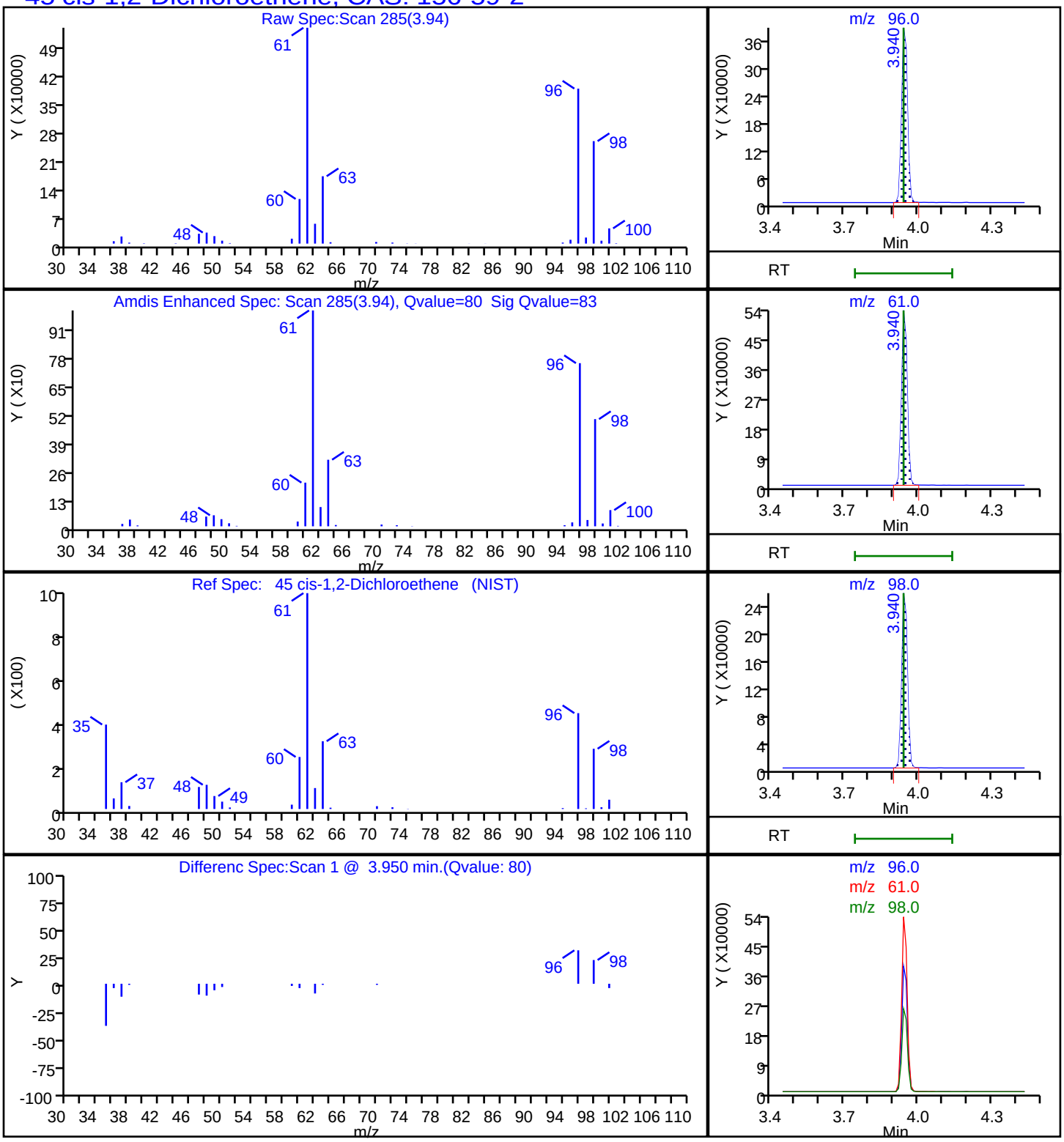
Report Date: 07-Apr-2021 20:01:33 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5161.D

Injection Date:	07-Apr-2021 18:40:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-6	Lab Sample ID:	480-182853-6		
Client ID:	DUP				
Operator ID:	OI	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

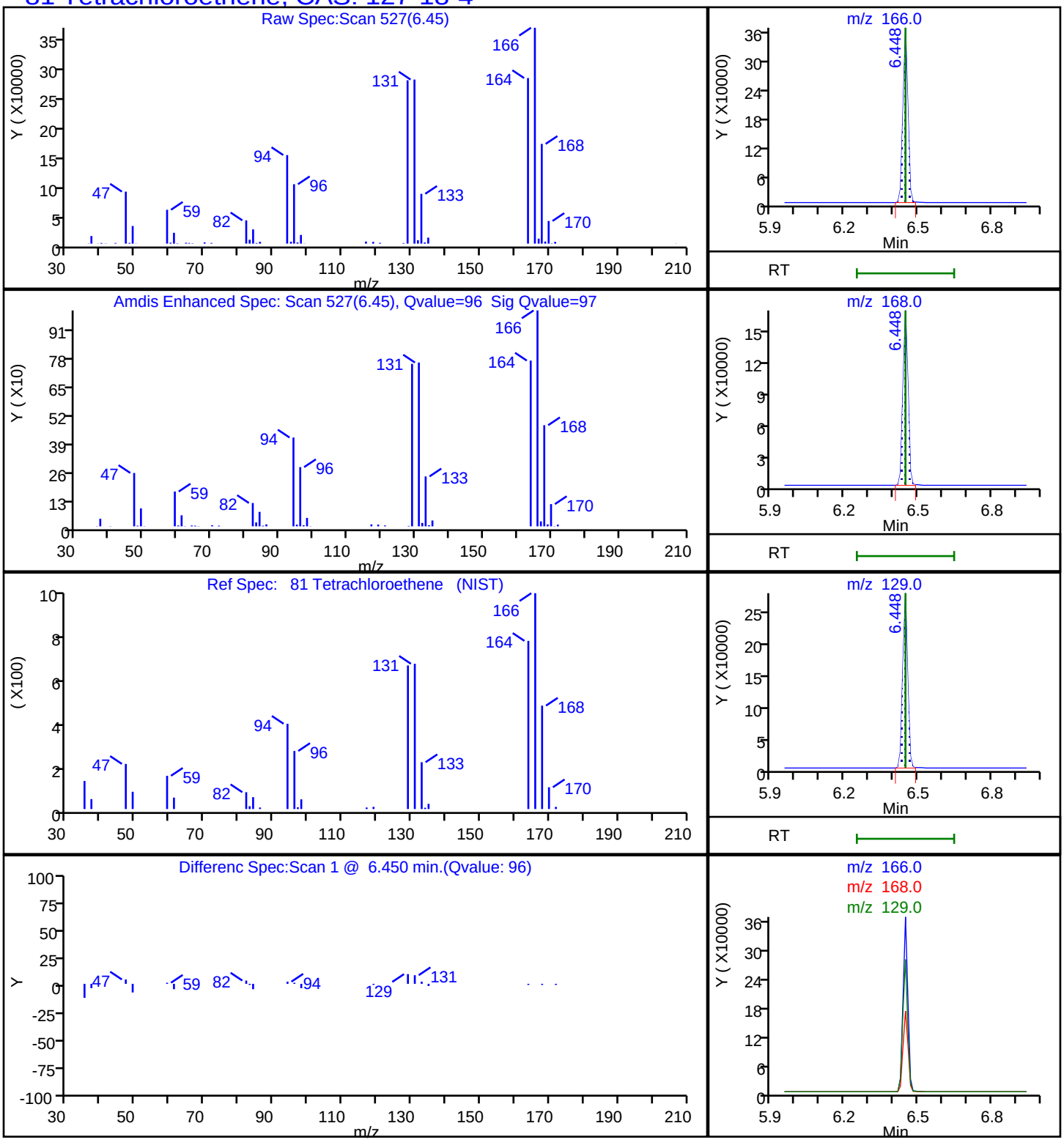
45 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5161.D		
Injection Date:	07-Apr-2021 18:40:30	Instrument ID:	HP5973C
Lims ID:	480-182853-B-6	Lab Sample ID:	480-182853-6
Client ID:	DUP		
Operator ID:	OI	ALS Bottle#:	26 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

81 Tetrachloroethene, CAS: 127-18-4



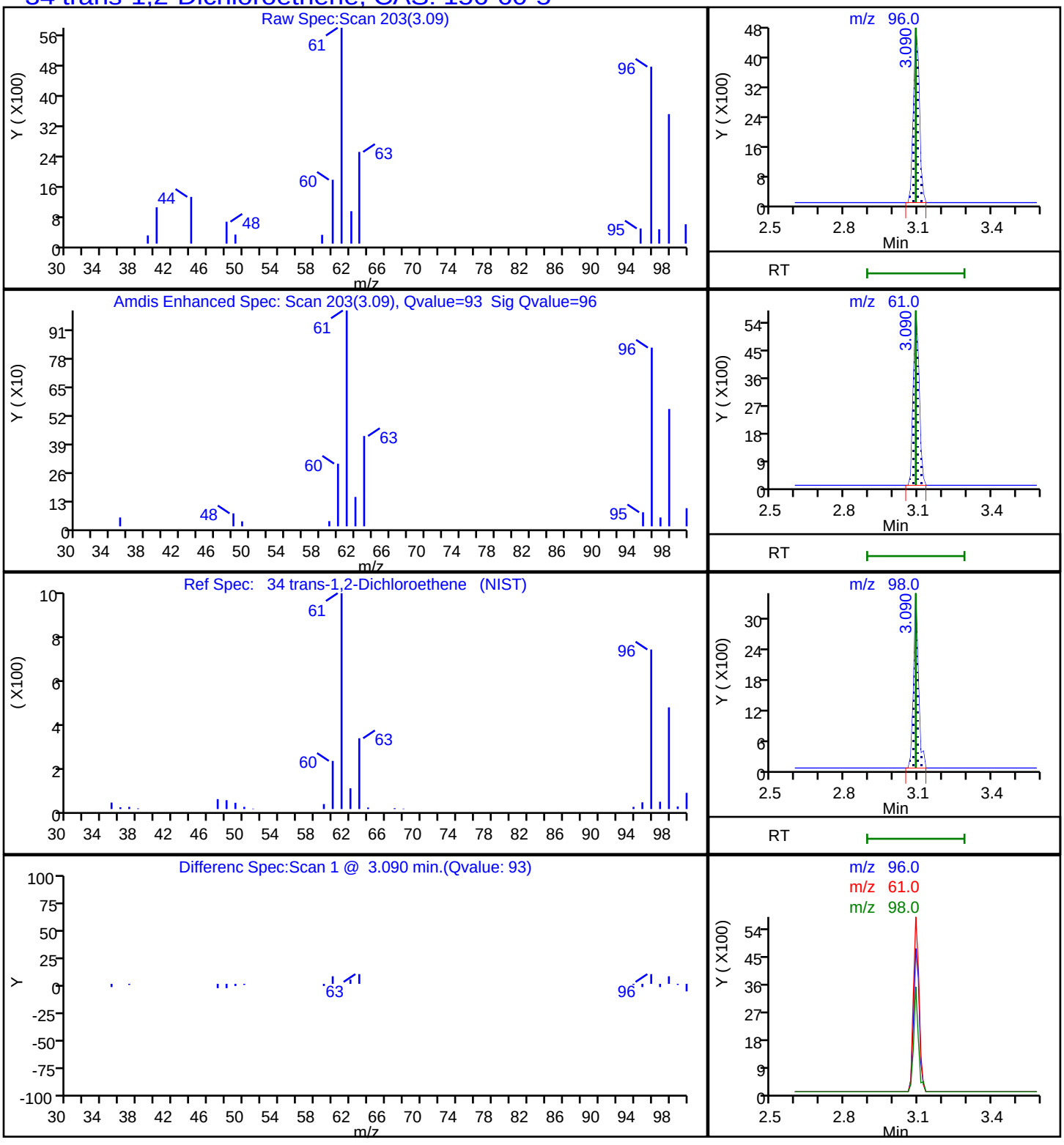
Report Date: 07-Apr-2021 20:01:33 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5161.D

Injection Date:	07-Apr-2021 18:40:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-6	Lab Sample ID:	480-182853-6		
Client ID:	DUP				
Operator ID:	OI	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

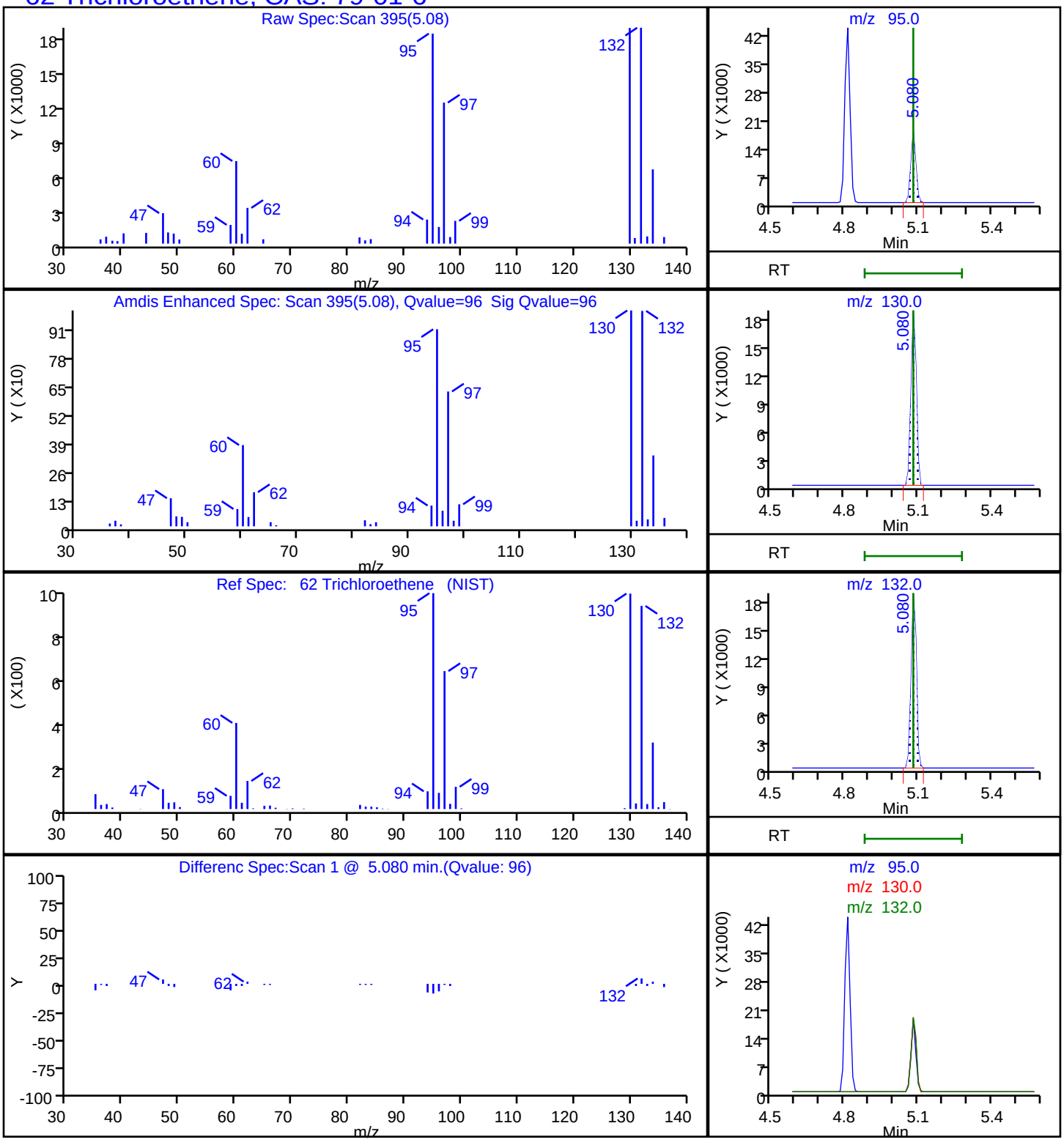
34 trans-1,2-Dichloroethene, CAS: 156-60-5



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5161.D				
Injection Date:	07-Apr-2021 18:40:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-6	Lab Sample ID:	480-182853-6		
Client ID:	DUP				
Operator ID:	OI	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



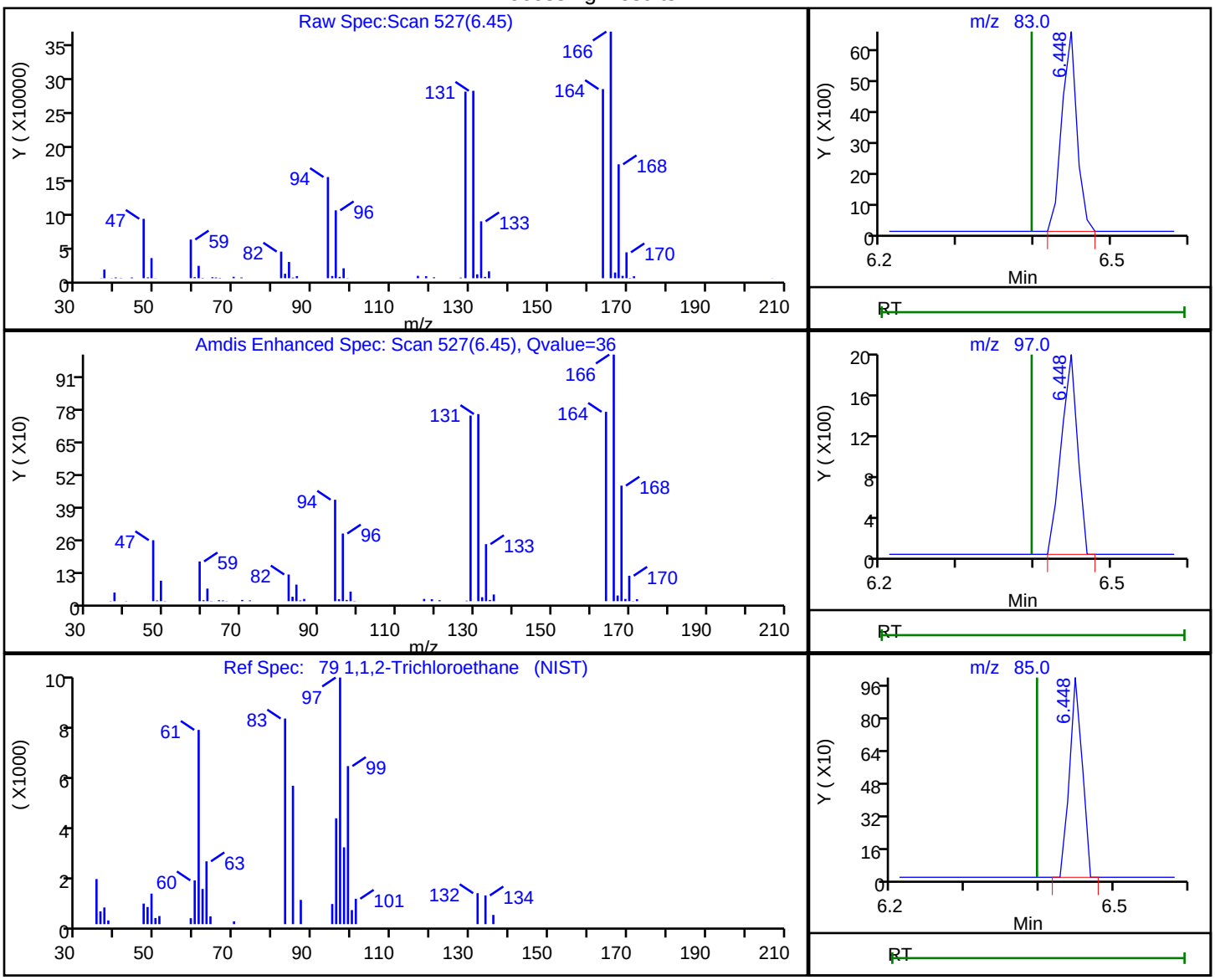
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5161.D				
Injection Date:	07-Apr-2021 18:40:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-6	Lab Sample ID:	480-182853-6		
Client ID:	DUP				
Operator ID:	OI	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

79 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.45	83.00	8988	1.726464
6.45	97.00	2894	
6.45	85.00	1181	

Reviewer: lapointec, 07-Apr-2021 20:01:21

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-182853-7

Matrix: Water Lab File ID: C5162.D

Analysis Method: 8260C Date Collected: 04/05/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 19:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-182853-7

Matrix: Water Lab File ID: C5162.D

Analysis Method: 8260C Date Collected: 04/05/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 19:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
2037-26-5	Toluene-d8 (Surr)	105		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5162.D
Lims ID: 480-182853-B-7
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 07-Apr-2021 19:04:30 ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-182853-B-7
Misc. Info.: 480-0097664-027
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Apr-2021 20:02:18 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: lapointec Date: 07-Apr-2021 20:02:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	165114	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	304385	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	311365	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	98	142806	27.1	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	750495	26.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	91	211050	25.6	
10 Dichlorodifluoromethane	85		1.070				ND	
12 Chloromethane	50		1.235				ND	
13 Vinyl chloride	62		1.329				ND	
14 Bromomethane	94		1.609				ND	
15 Chloroethane	64		1.691				ND	
17 Trichlorofluoromethane	101		1.909				ND	
21 112TCTFE	101		2.386				ND	
22 1,1-Dichloroethene	96		2.396				ND	
23 Acetone	43	2.510	2.510	0.000	99	11822	2.35	a
26 Carbon disulfide	76		2.583				ND	
27 Methyl acetate	43		2.790				ND	
30 Methylene Chloride	84		2.883				ND	7
32 Methyl tert-butyl ether	73		3.080				ND	
34 trans-1,2-Dichloroethene	96		3.090				ND	
39 1,1-Dichloroethane	63		3.464				ND	
45 cis-1,2-Dichloroethene	96		3.940				ND	
43 2-Butanone (MEK)	43		3.971				ND	
50 Chloroform	83		4.210				ND	
52 Cyclohexane	56		4.303				ND	
51 1,1,1-Trichloroethane	97		4.303				ND	
55 Carbon tetrachloride	117		4.417				ND	
57 Benzene	78		4.593				ND	
58 1,2-Dichloroethane	62		4.645				ND	
62 Trichloroethene	95		5.080				ND	
64 Methylcyclohexane	83		5.173				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.267				ND	
68 Dichlorobromomethane	83		5.495				ND	
72 cis-1,3-Dichloropropene	75		5.816				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.920				ND	U
74 Toluene	92		6.044				ND	
77 trans-1,3-Dichloropropene	75		6.251				ND	
79 1,1,2-Trichloroethane	83		6.396				ND	
81 Tetrachloroethene	166		6.448				ND	
80 2-Hexanone	43		6.562				ND	
83 Chlorodibromomethane	129		6.707				ND	
84 Ethylene Dibromide	107		6.790				ND	
87 Chlorobenzene	112		7.142				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.287				ND	
91 o-Xylene	106		7.609				ND	
92 Styrene	104		7.629				ND	
95 Bromoform	173		7.826				ND	
94 Isopropylbenzene	105		7.889				ND	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
111 1,3-Dichlorobenzene	146		8.925				ND	
113 1,4-Dichlorobenzene	146		9.008				ND	
116 1,2-Dichlorobenzene	146		9.319				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.982				ND	
119 1,2,4-Trichlorobenzene	180		10.635				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
- 7 - Failed Limit of Detection

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

Reagents:

C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent

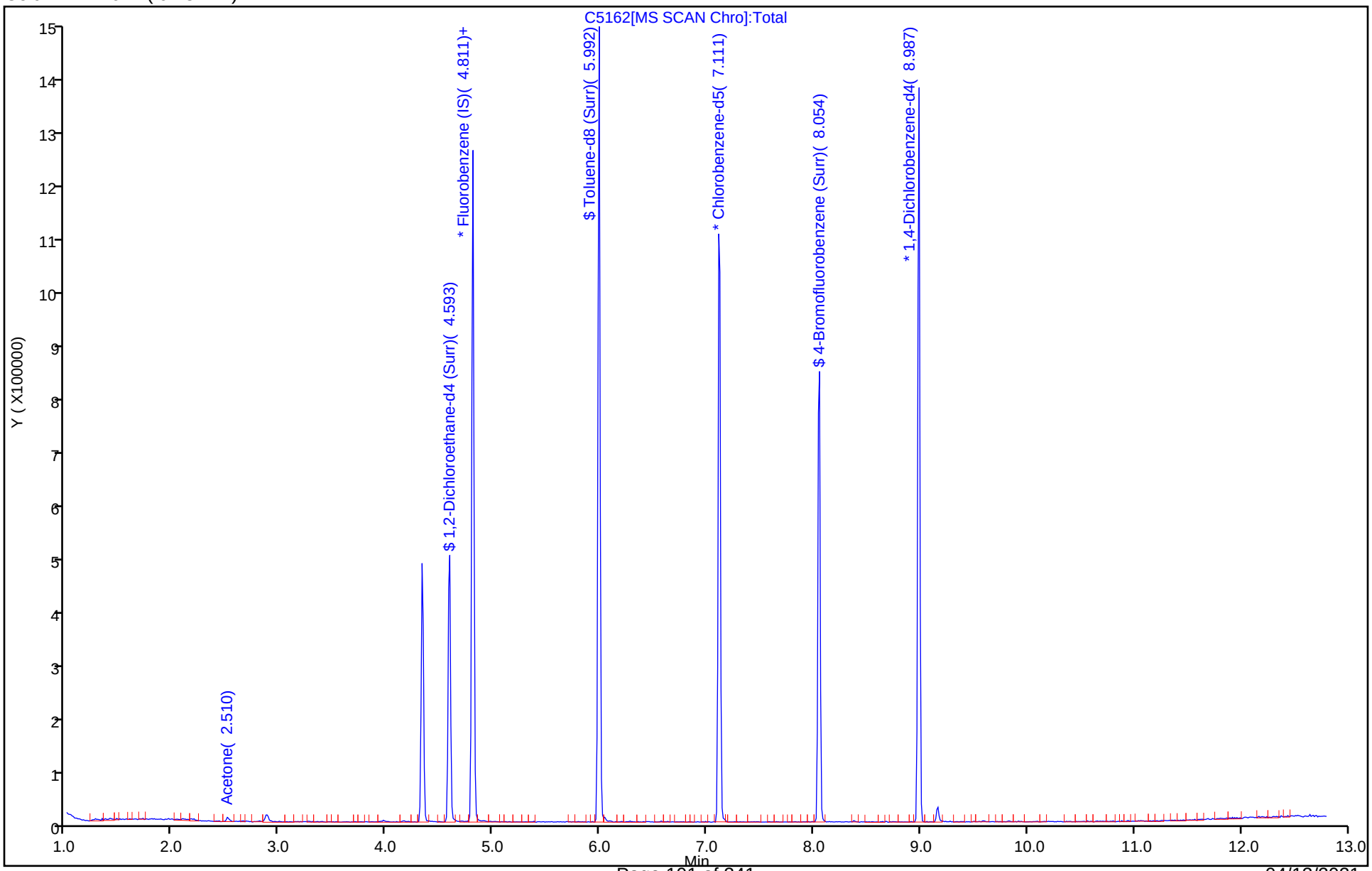
Report Date: 07-Apr-2021 20:02:18 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5162.D

Injection Date:	07-Apr-2021 19:04:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-182853-B-7	Lab Sample ID:	480-182853-7	Worklist Smp#:	27
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



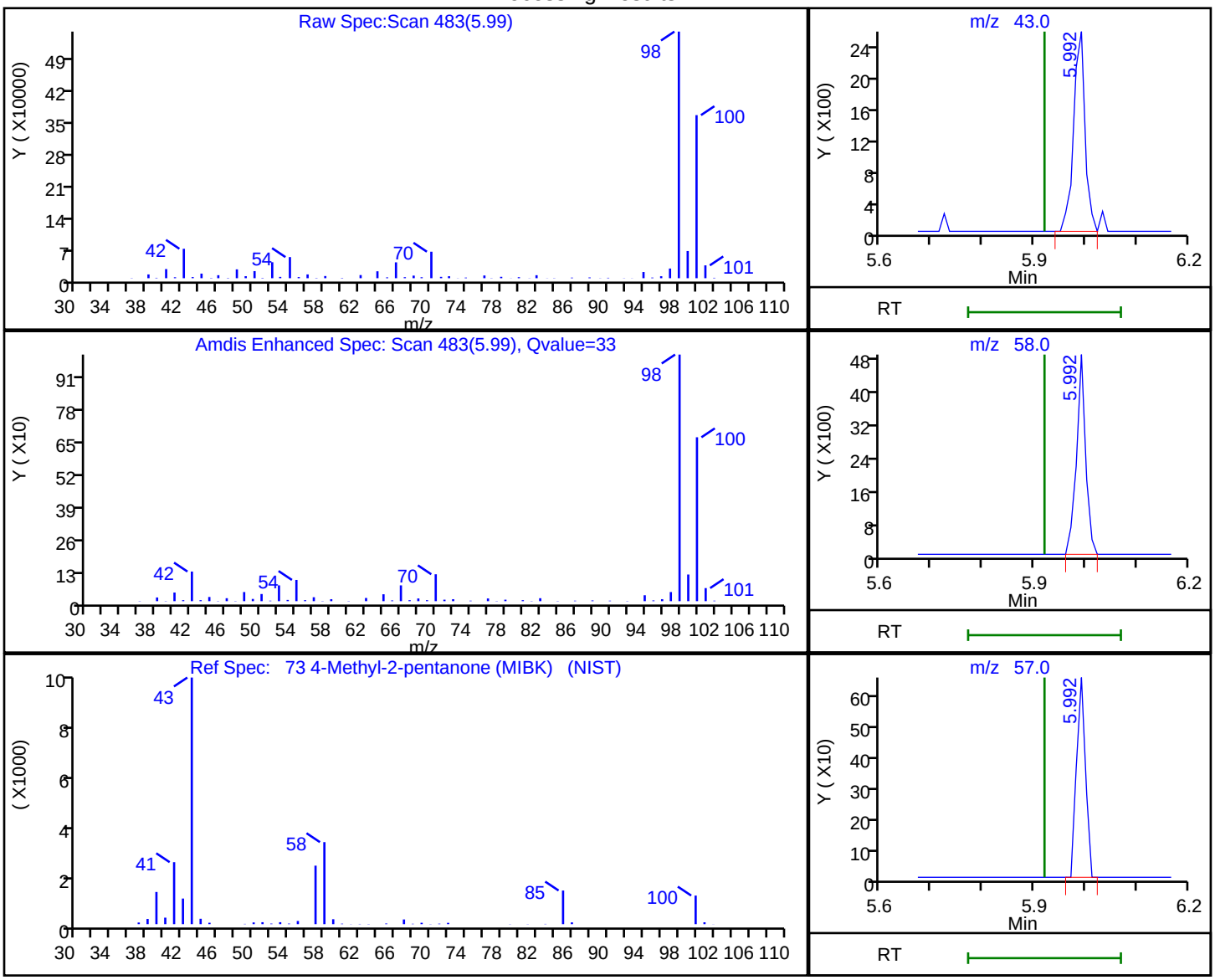
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5162.D				
Injection Date:	07-Apr-2021 19:04:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-7	Lab Sample ID:	480-182853-7		
Client ID:	TRIP BLANK				
Operator ID:	OI	ALS Bottle#:	27	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
5.99	43.00	3922	0.265644
5.99	58.00	6085	
5.99	57.00	798	

Reviewer: lapointec, 07-Apr-2021 20:02:06

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

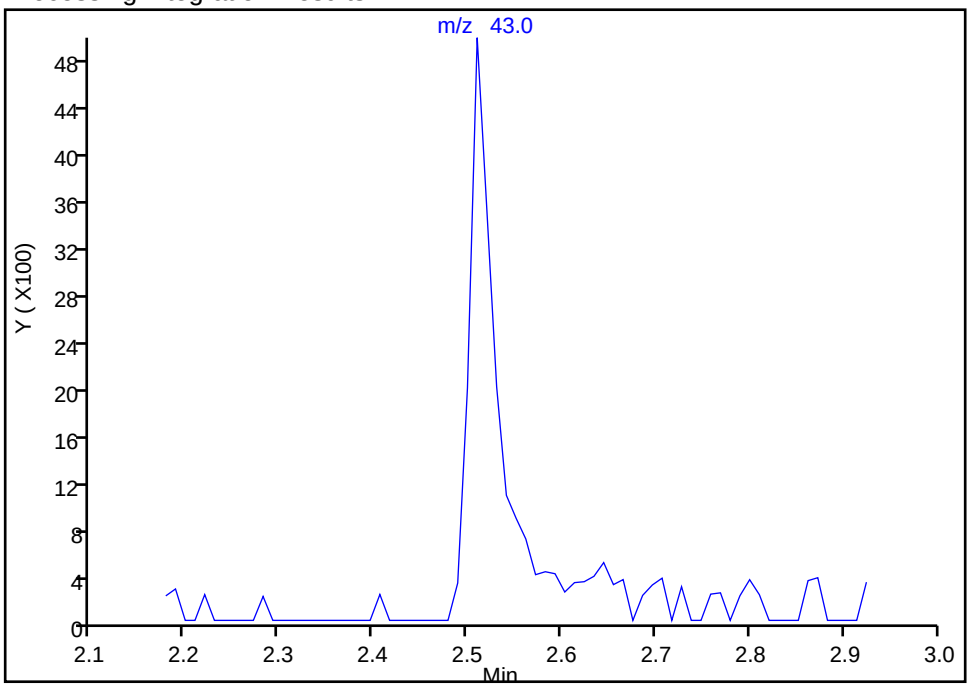
Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5162.D				
Injection Date:	07-Apr-2021 19:04:30	Instrument ID:	HP5973C		
Lims ID:	480-182853-B-7	Lab Sample ID:	480-182853-7		
Client ID:	TRIP BLANK				
Operator ID:	OI	ALS Bottle#:	27	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

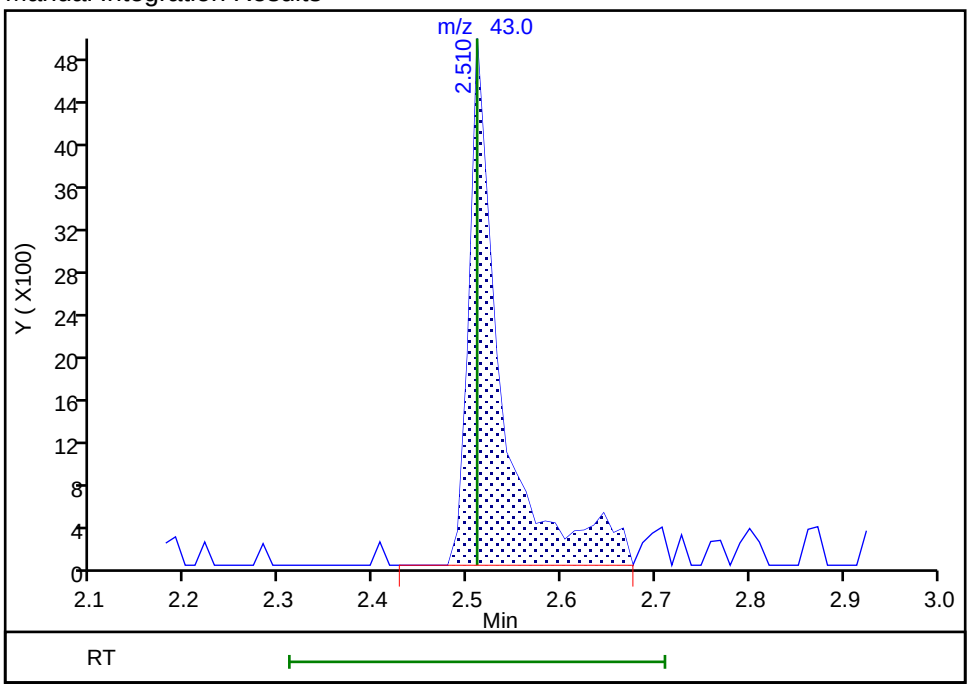
Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results

RT: 2.51
Area: 11822
Amount: 2.345775
Amount Units: ug/L



Reviewer: lapointec, 07-Apr-2021 20:01:50
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-574503/5	C4914.D
Level 2	IC 480-574503/6	C4915.D
Level 3	IC 480-574503/7	C4916.D
Level 4	IC 480-574503/8	C4917.D
Level 5	IC 480-574503/9	C4918.D
Level 6	ICIS 480-574503/10	C4919.D
Level 7	IC 480-574503/11	C4920.D
Level 8	IC 480-574503/12	C4921.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.3700 1.8390	1.7327 1.6542	1.6090 1.8619	1.6995	1.6241	Ave		1.6738			0.1000	9.2		20.0			
Chloromethane	1.7386 2.0533	1.9920 1.9001	1.9741 2.0501	1.9633	1.9281	Ave		1.9499			0.1000	5.2		20.0			
Vinyl chloride	1.7350 1.8133	1.6003 1.6796	1.7786 1.8124	1.7674	1.6048	Ave		1.7239			0.1000	5.0		20.0			
Butadiene	1.9987 1.8834	1.7506 1.7528	1.9158 1.8968	1.8426	1.7147	Ave		1.8444				5.3		20.0			
Bromomethane	+++++ 1.0049	1.0510 0.9197	0.9502 0.9045	0.9030	0.9600	Ave		0.9562			0.1000	5.8		20.0			
Chloroethane	+++++ 1.0343	1.0416 0.9315	0.9479 0.9199	0.8526	0.9590	Ave		0.9552			0.1000	6.9		20.0			
Dichlorofluoromethane	2.8608 2.3681	2.3876 2.0704	2.2560 2.2761	2.3273	2.1212	Ave		2.3334				10.3		20.0			
Trichlorofluoromethane	1.7804 2.1244	1.7665 1.8813	1.8959 2.1440	1.9010	1.9045	Ave		1.9247			0.1000	7.3		20.0			
Ethyl ether	1.4523 1.3341	1.1716 1.2414	1.2513 1.3011	1.3075	1.1916	Ave		1.2814				7.0		20.0			
Acrolein	+++++ 0.0281	0.0433 0.0490	0.0497 0.0510	0.0548	0.0466	Ave		0.0461				18.8		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.9047 1.2254	0.8063 1.1868	1.0224 1.2341	1.2027	1.1860	Ave		1.0961			0.1000	15.0		20.0			
1,1-Dichloroethene	0.9401 1.1985	1.0907 1.1798	1.0754 1.2182	1.1582	1.1348	Ave		1.1245			0.1000	8.0		20.0			
Acetone	+++++ 0.8283	0.7750 0.8263	0.7436 0.8470	0.8521	0.4691	Ave		0.7631			0.1000	17.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	1.9478 2.2319	1.9398 2.0707	1.9809 2.1520	2.1655	2.0753	Ave		2.0705				5.2		20.0			
Carbon disulfide	3.4263 4.2941	3.4873 3.9728	3.6375 4.1869	3.8612	3.9814	Ave		3.8560			0.1000	8.2		20.0			
Allyl chloride	2.0233 2.3957	1.9448 2.2988	2.1094 2.3837	2.1656	2.2064	Ave		2.1910				7.5		20.0			
Methyl acetate	2.0086 1.8868	1.7567 1.9206	1.6104 1.9683	1.9200	1.4620	Ave		1.8167			0.1000	10.6		20.0			
Methylene Chloride	3.6693 1.5027	2.0407 1.3366	1.6223 1.3726	1.5429	1.3811	Lin1	0.8175	1.3619			0.1000	10.7			0.9980		0.9900
2-Methyl-2-propanol	+++++ 0.4236	0.3339 0.3967	0.3111 0.4192	0.4112	0.3318	Ave		0.3754				12.7		20.0			
Methyl tert-butyl ether	3.9691 4.5042	3.8202 4.1635	3.8628 4.3261	4.1914	3.9773	Ave		4.1018			0.1000	5.8		20.0			
trans-1,2-Dichloroethene	1.3982 1.4322	1.3614 1.3493	1.3430 1.4017	1.4050	1.3795	Ave		1.3838			0.1000	2.2		20.0			
Acrylonitrile	0.9043 0.9898	0.9407 0.9861	1.0105 1.0005	1.0263	1.0185	Ave		0.9846				4.2		20.0			
Hexane	1.7135 1.9227	1.5899 2.0291	1.7848 2.0940	1.9879	2.1007	Ave		1.9028				9.9		20.0			
1,1-Dichloroethane	2.0981 2.4966	2.2219 2.4200	2.1576 2.4640	2.5105	2.3845	Ave		2.3441			0.2000	6.9		20.0			
Vinyl acetate	3.1449 3.5744	3.2222 3.9451	3.3689 4.1642	3.7890	3.3865	Ave		3.5744				10.1		20.0			
2,2-Dichloropropane	1.4165 1.6880	1.3452 1.4191	1.4398 1.4893	1.4694	1.4863	Ave		1.4692				6.8		20.0			
cis-1,2-Dichloroethene	1.0717 1.5870	1.2947 1.4771	1.4246 1.5426	1.5042	1.4131	Ave		1.4144			0.1000	11.7		20.0			
2-Butanone (MEK)	1.0440 1.1613	1.1917 1.2722	1.2288 1.3220	1.2750	1.0700	Ave		1.1956			0.1000	8.3		20.0			
Chlorobromomethane	0.7051 0.8269	0.8080 0.7886	0.7126 0.8057	0.7806	0.7560	Ave		0.7729				5.8		20.0			
Tetrahydrofuran	+++++ 0.8475	0.9836 0.8707	0.8941 0.8899	0.9837	0.6991	Ave		0.8812				10.9		20.0			
Chloroform	2.2329 2.3971	2.5506 2.2653	2.4097 2.3705	2.4003	2.2102	Ave		2.3546			0.2000	4.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	1.7127 2.0092	1.5045 1.9323	1.6551 2.0015	1.8712	1.8585	Ave		1.8181			0.1000	9.8		20.0			
Cyclohexane	2.2003 2.5666	1.8335 2.5235	2.1026 2.5988	2.5794	2.5309	Ave		2.3669			0.1000	12.1		20.0			
Carbon tetrachloride	1.2777 1.5587	1.2065 1.5782	1.1871 1.6876	1.4466	1.4543	Ave		1.4246			0.1000	12.9		20.0			
1,1-Dichloropropene	1.4889 1.7127	1.4429 1.7786	1.4986 1.8493	1.6946	1.7666	Ave		1.6540				9.3		20.0			
Benzene	4.2041 4.9864	4.8267 5.1621	4.8057 5.2715	5.1618	5.0147	Ave		4.9291			0.5000	6.8		20.0			
Isobutyl alcohol	0.1293 0.1622	0.1283 0.1520	0.1183 0.1656	0.1549	0.1154	Ave		0.1407				14.3		20.0			
1,2-Dichloroethane	2.0504 1.9034	1.9145 1.8656	1.8020 1.9190	1.9837	1.8790	Ave		1.9147			0.1000	3.9		20.0			
n-Heptane	+++++ 1.9403	2.6898 2.2019	2.4699 2.0933	2.1848	2.7691	Ave		2.3356				13.4		20.0			
Trichloroethene	0.9902 1.3434	1.1981 1.3839	1.3070 1.4036	1.3173	1.3198	Ave		1.2829			0.2000	10.4		20.0			
Methylcyclohexane	1.8861 2.4037	1.7743 2.3310	1.7747 2.4070	2.3140	2.3080	Ave		2.1499			0.1000	13.2		20.0			
1,2-Dichloropropane	1.1675 1.2045	1.1314 1.2942	1.2261 1.3586	1.2878	1.2571	Ave		1.2409			0.1000	5.9		20.0			
1,4-Dioxane	+++++ 0.0141	0.0114 0.0125	0.0129 0.0132	0.0156	0.0115	Ave		0.0130				11.3		20.0			
Dibromomethane	0.7544 0.8724	0.9022 0.8921	0.8257 0.9276	0.9048	0.8733	Ave		0.8690			0.1000	6.4		20.0			
Bromodichloromethane	1.2467 1.4655	1.3361 1.5977	1.5184 1.6987	1.5036	1.4369	Ave		1.4754			0.2000	9.6		20.0			
2-Chloroethyl vinyl ether	+++++ 0.7448	0.7084 0.9961	0.7899 1.0406	0.9021	0.8772	Ave		0.8656				14.5		20.0			
cis-1,3-Dichloropropene	1.3123 1.7251	1.6878 2.0358	1.7118 2.1916	1.7699	1.8262	Ave		1.7826			0.2000	14.6		20.0			
4-Methyl-2-pentanone (MIBK)	1.0293 1.3252	1.0882 1.2196	1.2760 1.2611	1.2079	1.2937	Ave		1.2126			0.1000	8.5		20.0			
Toluene	1.2787 1.5603	1.4197 1.5481	1.4897 1.6232	1.5314	1.5943	Ave		1.5057			0.4000	7.4		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	+++++ 0.8296	0.7954 0.9261	0.7766 1.0130	0.7946	0.8962	Ave		0.8616			0.1000	10.1		20.0			
Ethyl methacrylate	0.6738 0.9099	0.8473 0.9411	0.8622 0.9895	0.9044	0.9209	Ave		0.8811				10.7		20.0			
1,1,2-Trichloroethane	+++++ 0.4784	0.4393 0.4831	0.5030 0.5220	0.4952	0.4938	Ave		0.4878			0.1000	5.3		20.0			
Tetrachloroethene	+++++ 0.6517	0.6667 0.6566	0.6215 0.6828	0.6276	0.6562	Ave		0.6519			0.2000	3.3		20.0			
1,3-Dichloropropane	0.8701 0.9025	0.9293 0.9733	0.9622 1.0496	0.9812	0.9854	Ave		0.9567				5.8		20.0			
2-Hexanone	0.7162 0.7899	0.7419 0.7944	0.7819 0.8240	0.8427	0.8254	Ave		0.7896			0.1000	5.5		20.0			
Dibromochloromethane	0.3670 0.5479	0.4530 0.5899	0.5022 0.6682	0.5258	0.5448	Ave		0.5248			0.1000	17.1		20.0			
1,2-Dibromoethane	0.5331 0.6251	0.6007 0.6480	0.6027 0.6920	0.6495	0.6619	Ave		0.6266				7.7		20.0			
Chlorobenzene	1.2780 1.6892	1.4801 1.6966	1.7346 1.8419	1.6457	1.7735	Ave		1.6425			0.5000	11.0		20.0			
1,1,1,2-Tetrachloroethane	0.5553 0.6658	0.4908 0.6174	0.5480 0.6710	0.5518	0.6404	Ave		0.5926				11.0		20.0			
Ethylbenzene	2.2646 3.0242	2.4425 2.9241	2.7393 3.0902	2.8544	3.0316	Ave		2.7964			0.1000	10.7		20.0			
m,p-Xylene	0.8905 1.1876	1.0413 1.1430	1.1285 1.1941	1.1264	1.2074	Ave		1.1148			0.1000	9.4		20.0			
o-Xylene	1.1099 1.2818	1.0980 1.1560	1.1140 1.2272	1.1499	1.2379	Ave		1.1718			0.3000	5.8		20.0			
Styrene	1.5892 1.9164	1.6660 1.9071	1.7529 2.0038	1.8178	1.9244	Ave		1.8222			0.3000	7.8		20.0			
Bromoform	+++++ 0.3561	0.2519 0.3786	0.2783 0.4398	0.3024	0.3342	Ave		0.3345			0.1000	19.1		20.0			
Isopropylbenzene	2.1878 3.2184	2.7014 3.2953	2.7694 3.4783	2.8666	3.4616	Ave		2.9974			0.1000	14.9		20.0			
Bromobenzene	+++++ 0.6842	0.5962 0.7443	0.6894 0.8063	0.6788	0.7733	Ave		0.7104				9.9		20.0			
1,1,2,2-Tetrachloroethane	0.7722 0.9519	0.9077 1.0013	0.9137 1.0713	0.8809	1.0534	Ave		0.9441			0.3000	10.4		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	+++++ 3.5763	3.1980 3.7161	3.1831 3.9907	3.2853	3.8925	Ave		3.5489				9.4		20.0			
1,2,3-Trichloropropane	+++++ 0.3354	0.3402 0.3360	0.3227 0.3470	0.2993	0.3603	Ave		0.3344				5.8		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2919	0.2950 0.3343	0.2729 0.3658	0.3031	0.3526	Ave		0.3165				10.9		20.0			
2-Chlorotoluene	0.6661 0.7216	0.7200 0.7528	0.7201 0.8028	0.6630	0.8029	Ave		0.7312				7.3		20.0			
1,3,5-Trimethylbenzene	+++++ 2.7519	2.3772 2.7730	2.4582 3.0049	2.3642	2.9014	Ave		2.6616				9.8		20.0			
4-Chlorotoluene	+++++ 0.6794	0.6352 0.7391	0.7027 0.8077	0.6823	0.7878	Ave		0.7192				8.6		20.0			
tert-Butylbenzene	+++++ 0.5886	0.4599 0.6116	0.4725 0.6574	0.5049	0.6242	Ave		0.5599				14.2		20.0			
1,2,4-Trimethylbenzene	+++++ 2.8494	2.4528 2.8223	2.4584 3.0394	2.4909	3.0185	Ave		2.7331				9.6		20.0			
sec-Butylbenzene	+++++ 3.4842	2.7787 3.5855	2.8319 3.8675	3.1263	3.6658	Ave		3.3343				12.7		20.0			
4-Isopropyltoluene	+++++ 3.0642	2.4264 3.0987	2.5455 3.3182	2.7019	3.2495	Ave		2.9149				12.1		20.0			
1,3-Dichlorobenzene	1.4028 1.4389	1.3108 1.4705	1.4660 1.5999	1.3957	1.5483	Ave		1.4541			0.6000	6.2		20.0			
1,4-Dichlorobenzene	1.2712 1.4639	1.4584 1.5148	1.4618 1.6337	1.3980	1.6239	Ave		1.4782			0.5000	8.0		20.0			
n-Butylbenzene	+++++ 2.7896	2.2195 2.7647	2.3002 3.0309	2.4819	2.8633	Ave		2.6357				11.6		20.0			
1,2-Dichlorobenzene	1.2810 1.5202	1.4212 1.4841	1.4631 1.6212	1.4461	1.5424	Ave		1.4724			0.4000	6.8		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.2602	0.2628 0.2526	0.2007 0.2886	0.2124	0.2543	Ave		0.2474			0.0500	12.3		20.0			
1,2,4-Trichlorobenzene	1.0740 1.2260	1.0684 1.1520	0.9992 1.2905	1.0932	1.2177	Ave		1.1401			0.2000	8.6		20.0			
Hexachlorobutadiene	0.3821 0.5255	0.4316 0.5151	0.4048 0.5732	0.4644	0.5109	Ave		0.4760				13.9		20.0			
Naphthalene	3.7081 4.5273	3.9174 4.2764	3.8572 4.6226	3.9663	4.3082	Ave		4.1479				8.0		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	1.0538 1.2492	1.0755 1.1169	1.0477 1.2555	1.0942	1.1317	Ave		1.1281				7.3		20.0			
Dibromofluoromethane (Surr)	1.3958 1.3562	1.3021 1.2540	1.3384 1.3147	1.2965	1.2694	Ave		1.3159				3.5		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8353 0.7934	0.7980 0.7712	0.8136 0.7876	0.8042	0.7702	Ave		0.7967				2.7		20.0			
Toluene-d8 (Surr)	2.4029 2.3804	2.4196 2.2132	2.3936 2.3568	2.2255	2.3995	Ave		2.3489				3.5		20.0			
4-Bromofluorobenzene (Surr)	0.7102 0.6724	0.6956 0.6494	0.6796 0.6909	0.6387	0.6751	Ave		0.6765				3.5		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-574503/5	C4914.D
Level 2	IC 480-574503/6	C4915.D
Level 3	IC 480-574503/7	C4916.D
Level 4	IC 480-574503/8	C4917.D
Level 5	IC 480-574503/9	C4918.D
Level 6	ICIS 480-574503/10	C4919.D
Level 7	IC 480-574503/11	C4920.D
Level 8	IC 480-574503/12	C4921.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3445 296755	12299 598785	22199 1292180	59661	117646	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	4372 331335	14139 687798	27235 1422823	68920	139667	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4363 292600	11359 607967	24538 1257836	62046	116248	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	5026 303911	12426 634463	26431 1316465	64685	124213	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 162149	7460 332904	13109 627729	31699	69541	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 166897	7393 337165	13078 638445	29931	69468	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	7194 382129	16947 749429	31124 1579663	81700	153661	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	4477 342807	12539 680980	26156 1487989	66733	137959	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	3652 215277	8316 449361	17264 902980	45900	86318	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 22710	1535 88605	3431 176991	9622	16868	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2275 197743	5723 429602	14105 856521	42222	85914	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	2364 193395	7742 427071	14836 845477	40658	82201	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++	27505	51296	149573	169906	+++++	5.00	10.0	25.0	50.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			668309	1495441	2939146			125	250	500		
Iodomethane	FB	Ave	4898 360147	13769 749526	27329 1493554	76020	150330	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	8616 692919	24753 1438031	50185 2905847	135549	288412	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Allyl chloride	FB	Ave	5088 386581	13804 832110	29102 1654371	76023	159830	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	10102 608916	24938 1390393	44435 2732109	134804	211809	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	9227 242480	14485 483818	22382 952652	54164	100047	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 683554	23697 1436098	42919 2909141	144351	240360	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	9981 726822	27116 1507056	53293 3002466	147138	288110	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3516 231111	9663 488410	18528 972791	49324	99928	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	22741 1597155	66771 3569253	139414 6943968	360280	737807	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	4309 310248	11285 734479	24624 1453283	69786	152174	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5276 402861	15771 875955	29767 1710116	88130	172728	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	15817 1153567	45743 2856061	92958 5780197	266024	490633	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3562 272390	9548 513687	19864 1033609	51585	107665	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	2695 256080	9190 534656	19654 1070611	52805	102365	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	13127 936973	42292 2302552	84768 4587594	223797	387566	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1773 133427	5735 285437	9832 559201	27403	54766	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 273525	13963 630345	24671 1235245	69068	101291	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	5615	18104	33245	84262	160107	0.400	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			386809	819978	1645200			25.0	50.0	100		
1,1,1-Trichloroethane	FB	Ave	4307 324208	10679 699455	22834 1389126	65688	134631	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	5533 414160	13014 913429	29008 1803673	90550	183335	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	3213 251524	8564 571281	16378 1171255	50783	105346	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	3744 276376	10242 643792	20675 1283452	59489	127968	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	10572 804633	34260 1868548	66301 3658547	181205	363263	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	8129 654166	22766 1375460	40819 2873075	135925	209022	10.0 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	5156 307138	13589 675310	24861 1331870	69638	136116	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 313098	19092 797037	34076 1452780	76696	200591	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	2490 216771	8504 500931	18032 974127	46245	95604	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	4743 387873	12594 843756	24485 1670554	81234	167189	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	2936 194363	8031 468471	16916 942940	45207	91066	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 80348	2875 178945	6422 359041	21347	29636	+++++ 500	20.0 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	1897 140777	6404 322904	11391 643765	31762	63262	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	3135 236472	9484 578326	20949 1178945	52783	104087	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 120180	5028 360576	10898 722228	31669	63544	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	3300 278377	11980 736907	23617 1521038	62133	132288	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	22280	68373	158255	412588	836095	2.00	5.00	10.0	25.0	50.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1890136	4362558	8556382			125	250	500		
Toluene	CBNZ d5	Ave	5536 445106	17840 1107513	36951 2202666	104618	206071	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 236648	9995 662557	19264 1374621	54281	115838	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	2917 259554	10647 673228	21388 1342765	61782	119027	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 136460	5521 345576	12478 708397	33827	63826	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 185920	8378 469730	15416 926491	42878	84821	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	3767 257453	11678 696320	23867 1424331	67030	127372	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	15503 1126644	46615 2841502	96981 5590424	287864	533435	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	1589 156309	5692 422017	12456 906738	35921	70415	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	2308 178312	7549 463596	14949 939041	44371	85551	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZ d5	Ave	5533 481866	18600 1213726	43026 2499432	112430	229234	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	2404 189931	6167 441721	13593 910478	37700	82777	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	9804	30694	67949	195002	391851	0.400	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			862690	2091921	4193320			25.0	50.0	100		
m,p-Xylene	CBNZ d5	Ave	3855	13085	27993	76951	156062	0.400	1.00	2.00	5.00	10.0
			338791	817683	1620351			25.0	50.0	100		
o-Xylene	CBNZ d5	Ave	4805	13798	27633	78556	160009	0.400	1.00	2.00	5.00	10.0
			365659	827011	1665278			25.0	50.0	100		
Styrene	CBNZ d5	Ave	6880	20936	43480	124183	248741	0.400	1.00	2.00	5.00	10.0
			546671	1364362	2719127			25.0	50.0	100		
Bromoform	CBNZ d5	Ave	+++++	3166	6902	20656	43199	+++++	1.00	2.00	5.00	10.0
			101582	270859	596838			25.0	50.0	100		
Isopropylbenzene	DCBd 4	Ave	10760	33578	69272	210962	422081	0.400	1.00	2.00	5.00	10.0
			984968	2267338	4493372			25.0	50.0	100		
Bromobenzene	DCBd 4	Ave	+++++	7410	17245	49957	94293	+++++	1.00	2.00	5.00	10.0
			209378	512091	1041640			25.0	50.0	100		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	3798	11283	22855	64831	128448	0.400	1.00	2.00	5.00	10.0
			291310	688944	1383920			25.0	50.0	100		
N-Propylbenzene	DCBd 4	Ave	+++++	39750	79619	241781	474617	+++++	1.00	2.00	5.00	10.0
			1094500	2556873	5155293			25.0	50.0	100		
1,2,3-Trichloropropane	DCBd 4	Ave	+++++	4229	8073	22025	43938	+++++	1.00	2.00	5.00	10.0
			102641	231209	448272			25.0	50.0	100		
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++	3667	6825	22310	42992	+++++	1.00	2.00	5.00	10.0
			89342	230007	472531			25.0	50.0	100		
2-Chlorotoluene	DCBd 4	Ave	3276	8949	18011	48792	97898	0.400	1.00	2.00	5.00	10.0
			220849	517972	1037052			25.0	50.0	100		
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++	29548	61488	173989	353768	+++++	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			842200	1907995	3881857			25.0	50.0	100		
4-Chlorotoluene	DCBd 4	Ave	+++++	7895	17577	50211	96057	+++++	1.00	2.00	5.00	10.0
			207930	508552	1043417			25.0	50.0	100		
tert-Butylbenzene	DCBd 4	Ave	+++++	5716	11820	37161	76105	+++++	1.00	2.00	5.00	10.0
			180131	420824	849248			25.0	50.0	100		
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++	30488	61492	183316	368049	+++++	1.00	2.00	5.00	10.0
			872027	1941865	3926407			25.0	50.0	100		
sec-Butylbenzene	DCBd 4	Ave	+++++	34538	70835	230075	446978	+++++	1.00	2.00	5.00	10.0
			1066314	2466984	4996144			25.0	50.0	100		
4-Isopropyltoluene	DCBd 4	Ave	+++++	30160	63672	198847	396220	+++++	1.00	2.00	5.00	10.0
			937771	2132056	4286531			25.0	50.0	100		
1,3-Dichlorobenzene	DCBd 4	Ave	6899	16293	36670	102718	188790	0.400	1.00	2.00	5.00	10.0
			440376	1011765	2066802			25.0	50.0	100		
1,4-Dichlorobenzene	DCBd 4	Ave	6252	18127	36564	102888	198009	0.400	1.00	2.00	5.00	10.0
			448015	1042287	2110451			25.0	50.0	100		
n-Butylbenzene	DCBd 4	Ave	+++++	27588	57536	182655	349128	+++++	1.00	2.00	5.00	10.0
			853732	1902244	3915349			25.0	50.0	100		
1,2-Dichlorobenzene	DCBd 4	Ave	6300	17665	36598	106421	188071	0.400	1.00	2.00	5.00	10.0
			465230	1021153	2094354			25.0	50.0	100		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++	3266	5021	15628	31006	+++++	1.00	2.00	5.00	10.0
			79633	173810	372810			25.0	50.0	100		
1,2,4-Trichlorobenzene	DCBd 4	Ave	5282	13280	24993	80452	148471	0.400	1.00	2.00	5.00	10.0
			375193	792602	1667049			25.0	50.0	100		
Hexachlorobutadiene	DCBd 4	Ave	1879	5365	10126	34179	62293	0.400	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			160832	354417	740444			25.0	50.0	100		
Naphthalene	DCBd 4	Ave	18237	48692	96482	291898	525305	0.400	1.00	2.00	5.00	10.0
			1385533	2942358	5971607			25.0	50.0	100		
1,2,3-Trichlorobenzene	DCBd 4	Ave	5183	13368	26207	80525	137987	0.400	1.00	2.00	5.00	10.0
			382311	768478	1621921			25.0	50.0	100		
Dibromofluoromethane (Surr)	FB	Ave	219367	231061	230810	227560	229891	25.0	25.0	25.0	25.0	25.0
			218840	226963	228103			25.0	25.0	25.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	131288	141599	140312	141161	139488	25.0	25.0	25.0	25.0	25.0
			128029	139577	136648			25.0	25.0	25.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	650185	760143	742160	760193	775368	25.0	25.0	25.0	25.0	25.0
			679041	791662	799510			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	192156	218519	210713	218177	218142	25.0	25.0	25.0	25.0	25.0
			191807	232294	234390			25.0	25.0	25.0		

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-574503/5	C4914.D
Level 2	IC 480-574503/6	C4915.D
Level 3	IC 480-574503/7	C4916.D
Level 4	IC 480-574503/8	C4917.D
Level 5	IC 480-574503/9	C4918.D
Level 6	ICIS 480-574503/10	C4919.D
Level 7	IC 480-574503/11	C4920.D
Level 8	IC 480-574503/12	C4921.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-18.2						30					
Chloromethane	-10.8						30					
Vinyl chloride	0.6						30					
Butadiene	8.4						30					
Bromomethane	+++++	9.9						30				
Chloroethane	+++++	9.0						30				
Dichlorofluoromethane	22.6						30					
Trichlorofluoromethane	-7.5						30					
Ethyl ether	13.3						30					
Acrolein	+++++	-6.1						30				
1,1,2-Trichloro-1,2,2-trifluoroethane	-17.5						30					
1,1-Dichloroethene	-16.4						30					
Acetone	+++++	1.6						30				
Iodomethane	-5.9						30					
Carbon disulfide	-11.1						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	-7.7						30					
Methyl acetate	10.6						30					
Methylene Chloride	19.3						30					
2-Methyl-2-propanol	+++++	-11.1						30				
Methyl tert-butyl ether	-3.2						30					
trans-1,2-Dichloroethene	1.0						30					
Acrylonitrile	-8.2						30					
Hexane	-9.9						30					
1,1-Dichloroethane	-10.5						30					
Vinyl acetate	-12.0						30					
2,2-Dichloropropane	-3.6						30					
cis-1,2-Dichloroethene	-24.2						30					
2-Butanone (MEK)	-12.7						30					
Chlorobromomethane	-8.8						30					
Tetrahydrofuran	+++++	11.6						30				
Chloroform	-5.2						30					
1,1,1-Trichloroethane	-5.8						30					
Cyclohexane	-7.0						30					
Carbon tetrachloride	-10.3						30					
1,1-Dichloropropene	-10.0						30					
Benzene	-14.7						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	-8.1						30					
1,2-Dichloroethane	7.1						30					
n-Heptane	+++++	15.2						30				
Trichloroethene	-22.8						30					
Methylcyclohexane	-12.3						30					
1,2-Dichloropropane	-5.9						30					
1,4-Dioxane	+++++	-12.3						30				
Dibromomethane	-13.2						30					
Bromodichloromethane	-15.5						30					
2-Chloroethyl vinyl ether	+++++	-18.2						30				
cis-1,3-Dichloropropene	-26.4						30					
4-Methyl-2-pentanone (MIBK)	-15.1						30					
Toluene	-15.1						30					
trans-1,3-Dichloropropene	+++++	-7.7						30				
Ethyl methacrylate	-23.5						30					
1,1,2-Trichloroethane	+++++	-9.9						30				
Tetrachloroethene	+++++	2.3						30				
1,3-Dichloropropane	-9.1						30					
2-Hexanone	-9.3						30					
Dibromochloromethane	-30.1 *						30					
1,2-Dibromoethane	-14.9						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
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Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

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Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

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ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	-22.2						30					
1,1,1,2-Tetrachloroethane	-6.3						30					
Ethylbenzene	-19.0						30					
m,p-Xylene	-20.1						30					
o-Xylene	-5.3						30					
Styrene	-12.8						30					
Bromoform	+++++	-24.7						30				
Isopropylbenzene	-27.0						30					
Bromobenzene	+++++	-16.1						30				
1,1,2,2-Tetrachloroethane	-18.2						30					
N-Propylbenzene	+++++	-9.9						30				
1,2,3-Trichloropropane	+++++	1.7						30				
trans-1,4-Dichloro-2-butene	+++++	-6.8						30				
2-Chlorotoluene	-8.9						30					
1,3,5-Trimethylbenzene	+++++	-10.7						30				
4-Chlorotoluene	+++++	-11.7						30				
tert-Butylbenzene	+++++	-17.9						30				
1,2,4-Trimethylbenzene	+++++	-10.3						30				
sec-Butylbenzene	+++++	-16.7						30				
4-Isopropyltoluene	+++++	-16.8						30				
1,3-Dichlorobenzene	-3.5						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1 Analy Batch No.: 574503

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2021 11:52 Calibration End Date: 03/31/2021 14:40 Calibration ID: 41440

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	-14.0						30					
n-Butylbenzene	+++++	-15.8						30				
1,2-Dichlorobenzene	-13.0						30					
1,2-Dibromo-3-Chloropropane	+++++	6.2						30				
1,2,4-Trichlorobenzene	-5.8						30					
Hexachlorobutadiene	-19.7						30					
Naphthalene	-10.6						30					
1,2,3-Trichlorobenzene	-6.6						30					
Dibromofluoromethane (Surr)	6.1						30					
1,2-Dichloroethane-d4 (Surr)	4.9						30					
Toluene-d8 (Surr)	2.3						30					
4-Bromofluorobenzene (Surr)	5.0						30					

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4914.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 31-Mar-2021 11:52:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0097516-005
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Apr-2021 17:03:23 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: farrellr Date: 01-Apr-2021 08:45:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	157167	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	89	270579	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	96	307387	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	219367	25.0	26.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.593	-0.010	98	131288	25.0	26.2	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	650185	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.055	0.000	90	192156	25.0	26.2	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	98	3445	0.4000	0.3274	
12 Chloromethane	50	1.225	1.236	-0.011	96	4372	0.4000	0.3566	
13 Vinyl chloride	62	1.319	1.319	0.000	40	4363	0.4000	0.4026	
151 Butadiene	54	1.339	1.339	0.000	97	5026	0.4000	0.4334	
14 Bromomethane	94	1.588	1.598	-0.010	78	5504	0.4000	0.9156	
15 Chloroethane	64	1.692	1.681	0.011	93	3311	0.4000	0.5513	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	94	7194	0.4000	0.4904	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	72	4477	0.4000	0.3700	
18 Ethyl ether	59	2.189	2.189	0.000	85	3652	0.4000	0.4534	
20 Acrolein	56	2.365	2.365	0.000	23	720	2.00	2.49	M
21 112TCTFE	101	2.386	2.386	0.000	12	2275	0.4000	0.3302	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	96	2364	0.4000	0.3344	
23 Acetone	43	2.510	2.510	0.000	99	14333	2.00	2.99	Ma
25 Iodomethane	142	2.541	2.541	0.000	98	4898	0.4000	0.3763	
26 Carbon disulfide	76	2.572	2.573	0.000	99	8616	0.4000	0.3554	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	86	5088	0.4000	0.3694	
27 Methyl acetate	43	2.790	2.790	0.000	98	10102	0.8000	0.8845	
30 Methylene Chloride	84	2.883	2.883	0.000	96	9227	0.4000	0.4774	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	93	9775	4.00	4.14	Ma
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	98	9981	0.4000	0.3871	
34 trans-1,2-Dichloroethene	96	3.091	3.091	0.000	93	3516	0.4000	0.4042	a
33 Acrylonitrile	53	3.142	3.142	0.000	95	22741	4.00	3.67	Ma
35 Hexane	57	3.256	3.267	-0.011	90	4309	0.4000	0.3602	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.464	0.000	94	5276	0.4000	0.3580	a
37 Vinyl acetate	43	3.516	3.516	0.000	98	15817	0.8000	0.7039	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	88	3562	0.4000	0.3856	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	81	2695	0.4000	0.3031	
43 2-Butanone (MEK)	43	3.971	3.972	-0.001	99	13127	2.00	1.75	Ma
48 Chlorobromomethane	128	4.137	4.148	-0.011	95	1773	0.4000	0.3649	
49 Tetrahydrofuran	42	4.158	4.158	0.000	87	7567	0.8000	1.37	
50 Chloroform	83	4.210	4.210	0.000	95	5615	0.4000	0.3793	
51 1,1,1-Trichloroethane	97	4.293	4.303	-0.010	89	4307	0.4000	0.3768	
52 Cyclohexane	56	4.303	4.303	0.000	86	5533	0.4000	0.3718	
55 Carbon tetrachloride	117	4.407	4.417	-0.010	73	3213	0.4000	0.3588	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	91	3744	0.4000	0.3601	a
57 Benzene	78	4.593	4.593	0.000	42	10572	0.4000	0.3412	
53 Isobutyl alcohol	43	4.604	4.604	0.000	29	8129	10.0	9.19	a
58 1,2-Dichloroethane	62	4.645	4.645	0.000	93	5156	0.4000	0.4283	a
59 n-Heptane	43	4.728	4.728	0.000	94	7666	0.4000	0.5221	a
62 Trichloroethene	95	5.080	5.080	0.000	88	2490	0.4000	0.3087	Ma
64 Methylcyclohexane	83	5.174	5.174	0.000	87	4743	0.4000	0.3509	
65 1,2-Dichloropropane	63	5.277	5.267	0.010	91	2936	0.4000	0.3763	a
66 1,4-Dioxane	88		5.381				ND	ND	
67 Dibromomethane	93	5.381	5.381	0.000	91	1897	0.4000	0.3472	Ma
68 Dichlorobromomethane	83	5.495	5.495	0.000	95	3135	0.4000	0.3380	
69 2-Chloroethyl vinyl ether	63	5.712	5.702	0.010	86	1309	0.4000	0.2405	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	94	3300	0.4000	0.2945	
73 4-Methyl-2-pentanone (MIBK)	43	5.930	5.920	0.010	98	22280	2.00	1.70	
74 Toluene	92	6.044	6.044	0.000	98	5536	0.4000	0.3397	a
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	87	2280	0.4000	0.2445	
75 Ethyl methacrylate	69	6.272	6.272	0.000	92	2917	0.4000	0.3059	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	84	1329	0.4000	0.2517	a
81 Tetrachloroethene	166	6.448	6.448	0.000	84	1699	0.4000	0.2408	a
82 1,3-Dichloropropane	76	6.521	6.521	0.000	86	3767	0.4000	0.3638	a
80 2-Hexanone	43	6.562	6.562	0.000	99	15503	2.00	1.81	
83 Chlorodibromomethane	129	6.697	6.707	-0.010	0	1589	0.4000	0.2797	M
84 Ethylene Dibromide	107	6.780	6.790	-0.010	96	2308	0.4000	0.3403	
87 Chlorobenzene	112	7.143	7.143	0.000	85	5533	0.4000	0.3113	
88 Ethylbenzene	91	7.205	7.205	0.000	97	9804	0.4000	0.3239	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	45	2404	0.4000	0.3748	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	93	3855	0.4000	0.3195	a
91 o-Xylene	106	7.609	7.609	0.000	96	4805	0.4000	0.3789	
92 Styrene	104	7.630	7.630	0.000	95	6880	0.4000	0.3488	
95 Bromoform	173	7.827	7.827	0.000	9	918	0.4000	0.2536	a
94 Isopropylbenzene	105	7.889	7.889	0.000	94	10760	0.4000	0.2920	
101 Bromobenzene	156	8.169	8.179	-0.010	94	2231	0.4000	0.2554	
97 1,1,2,2-Tetrachloroethane	83	8.210	8.200	0.010	46	3798	0.4000	0.3272	
99 N-Propylbenzene	91	8.220	8.220	0.000	97	12751	0.4000	0.2922	
100 1,2,3-Trichloropropane	110	8.241	8.231	0.010	56	1327	0.4000	0.3227	Ma
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	44	887	0.4000	0.2279	
103 2-Chlorotoluene	126	8.314	8.314	0.000	96	3276	0.4000	0.3644	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	91	9980	0.4000	0.3050	
105 4-Chlorotoluene	126	8.407	8.407	0.000	93	2914	0.4000	0.3295	
106 tert-Butylbenzene	134	8.624	8.625	0.000	92	1682	0.4000	0.2443	Ma
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	96	10751	0.4000	0.3199	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.801	0.000	93	11144	0.4000	0.2718	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	93	6899	0.4000	0.3859	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	96	10356	0.4000	0.2889	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	88	6252	0.4000	0.3440	
115 n-Butylbenzene	91	9.257	9.257	0.000	98	9307	0.4000	0.2872	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	90	6300	0.4000	0.3480	a
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	6	568	0.4000	0.1868	Ma
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	90	5282	0.4000	0.3768	
120 Hexachlorobutadiene	225	10.749	10.739	0.010	86	1879	0.4000	0.3211	Ma
121 Naphthalene	128	10.853	10.842	0.011	97	18237	0.4000	0.3576	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	91	5183	0.4000	0.3737	a
S 123 Total BTEX	1				0			1.70	
S 124 Xylenes, Total	1				0			0.6983	
S 125 1,2-Dichloroethene, Total	1				0			0.7073	
S 126 1,3-Dichloropropene, Total	1				0			0.5390	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00205	Amount Added:	0.40	Units: uL	
GAS CORP mix_00448	Amount Added:	0.40	Units: uL	
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent

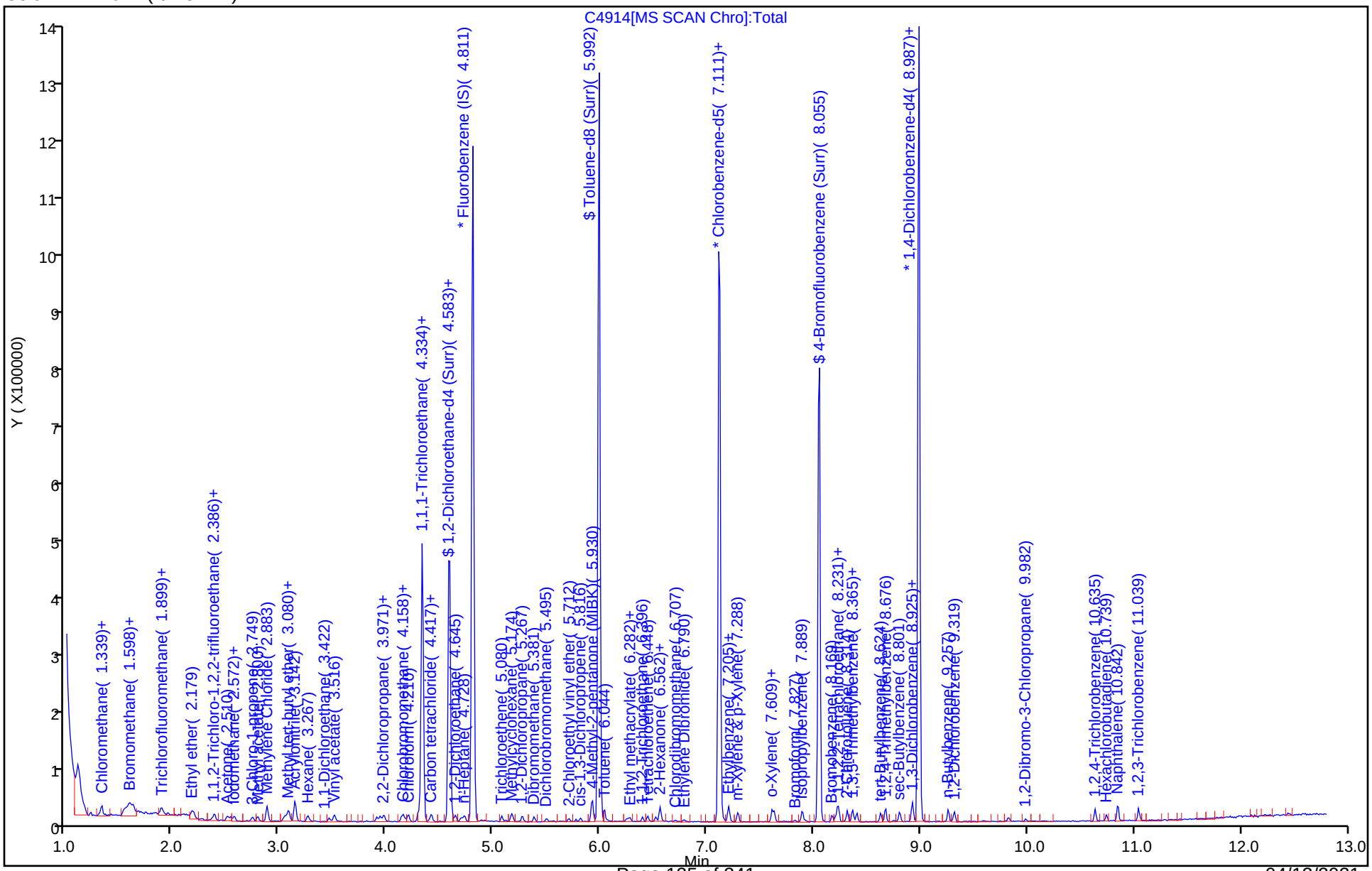
Report Date: 01-Apr-2021 17:03:26 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4914.D

Injection Date:	31-Mar-2021 11:52:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC 0.4			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

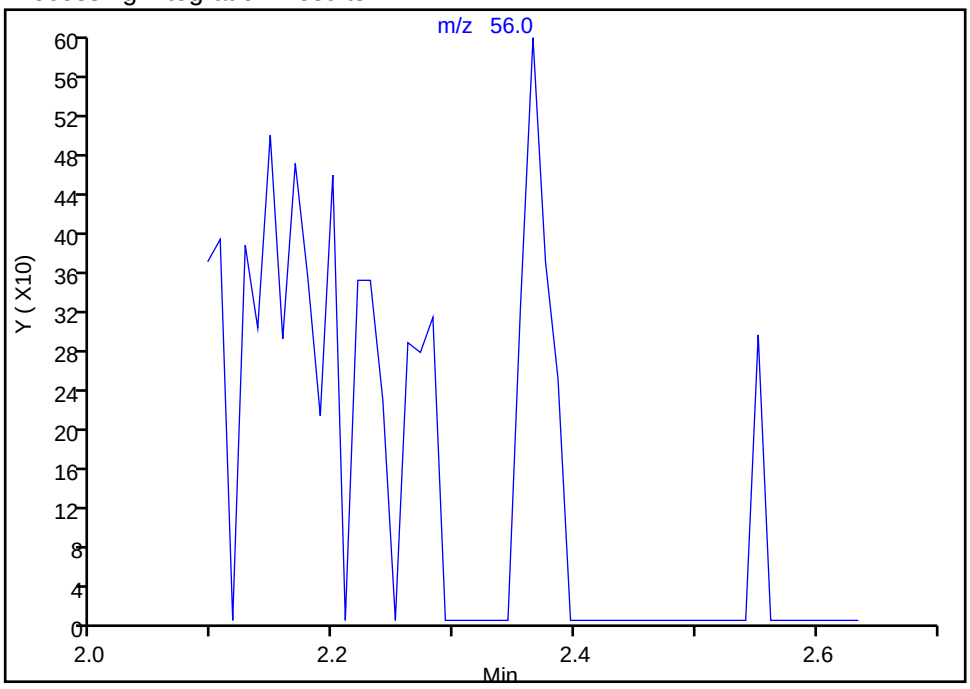
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

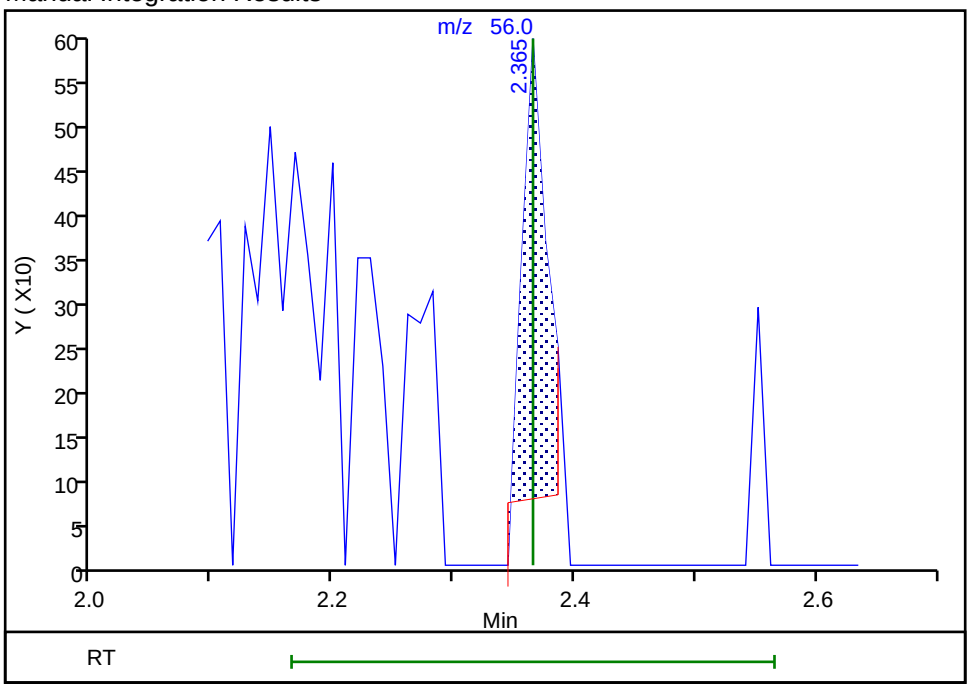
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 720
Amount: 2.485975
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 16:36:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

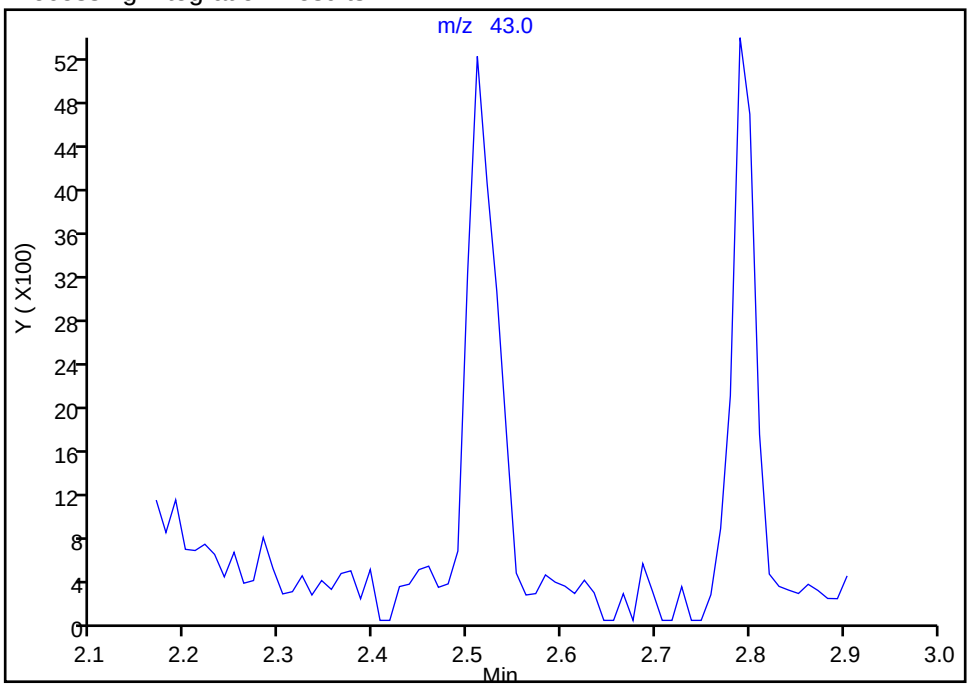
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

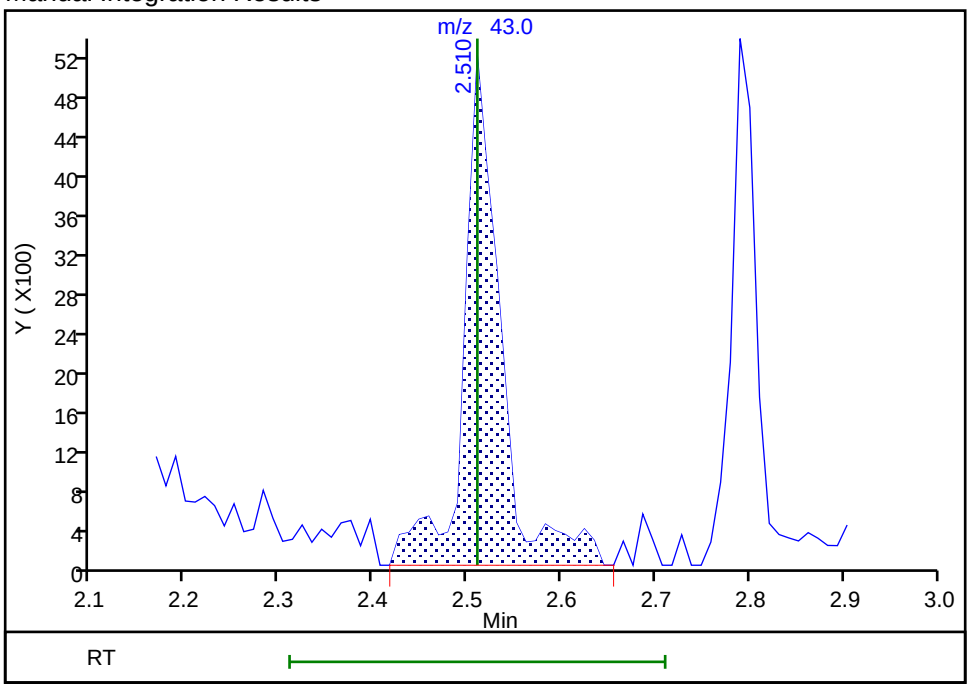
Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results

RT: 2.51
Area: 14333
Amount: 2.987825
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:44:23
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

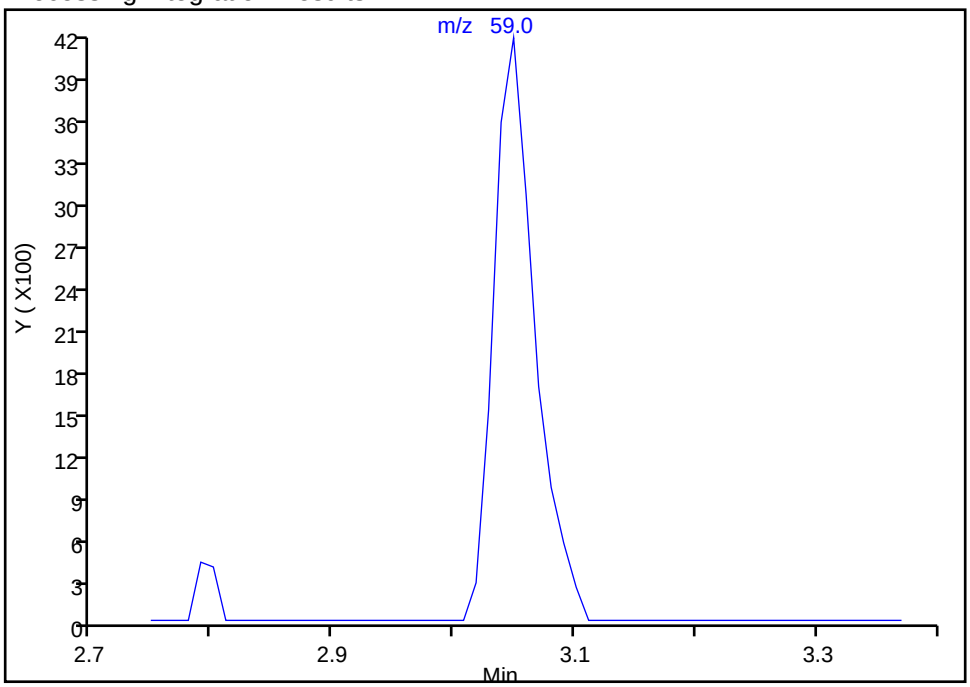
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

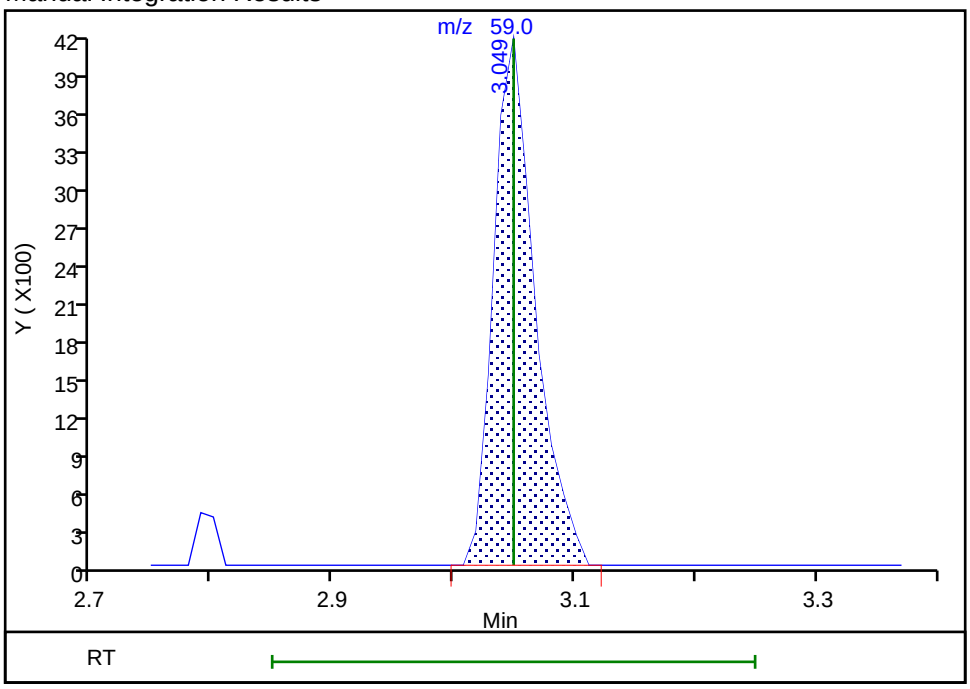
Not Detected
Expected RT: 3.05

Processing Integration Results



Manual Integration Results

RT: 3.05
Area: 9775
Amount: 4.142437
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:44:36
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

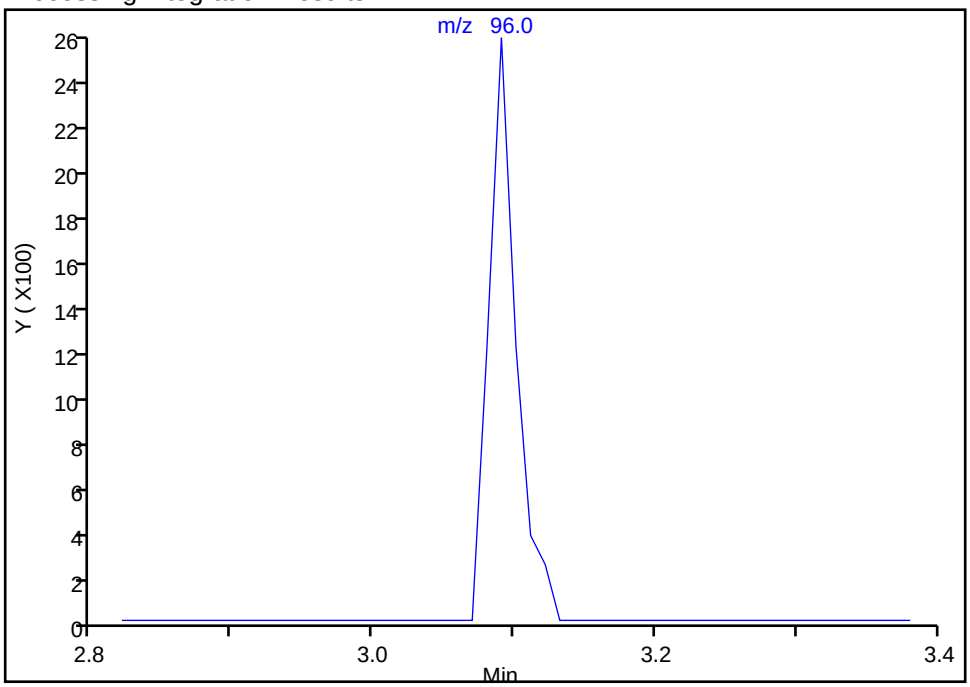
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

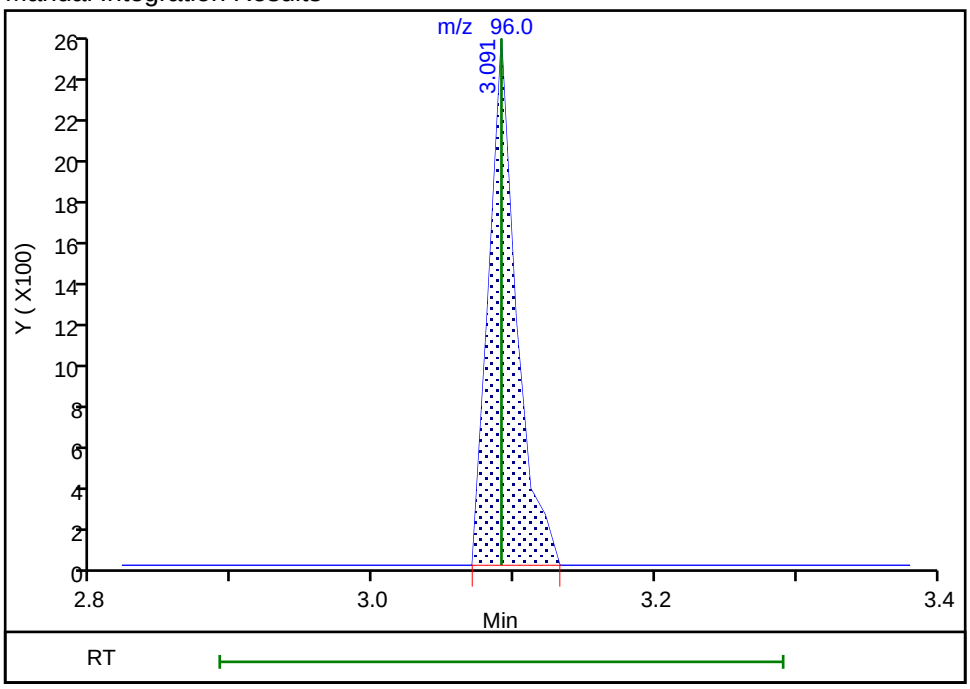
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 3516
Amount: 0.404167
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:44:41
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

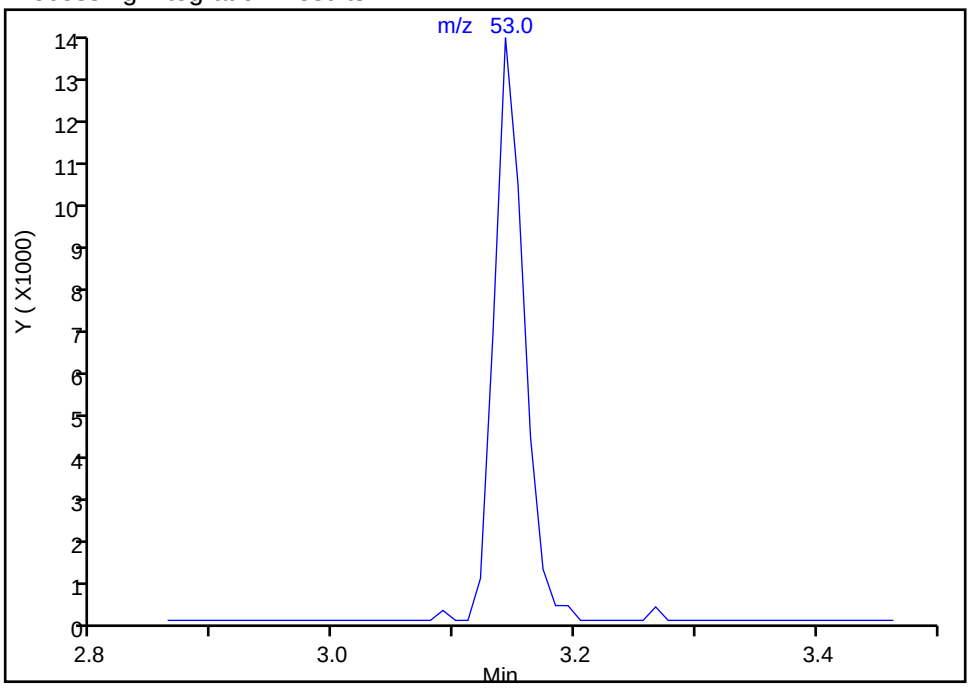
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

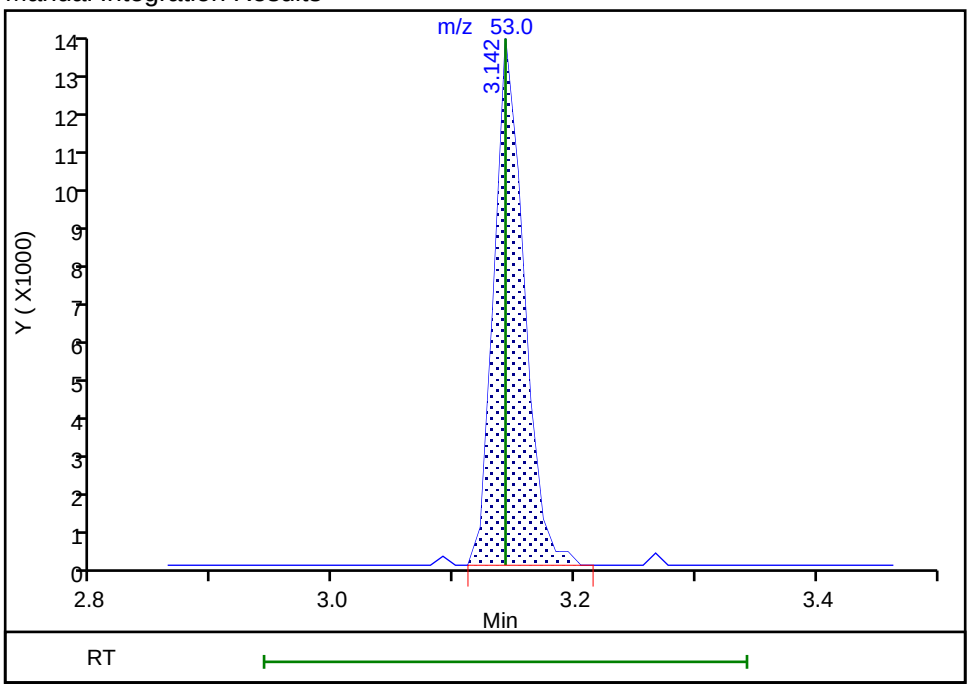
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 22741
Amount: 3.673944
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:44:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

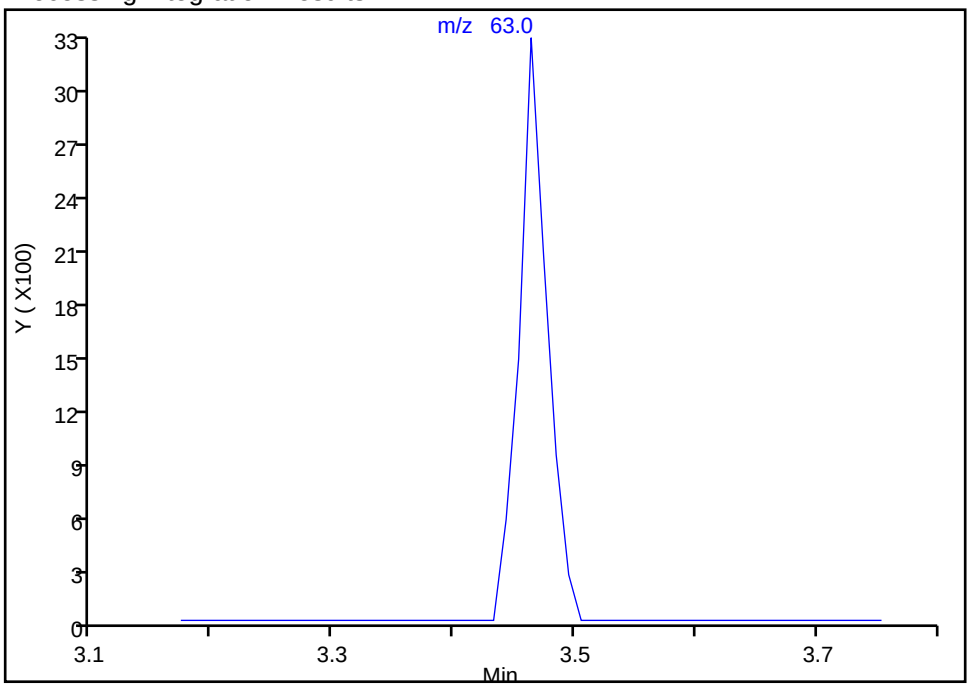
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

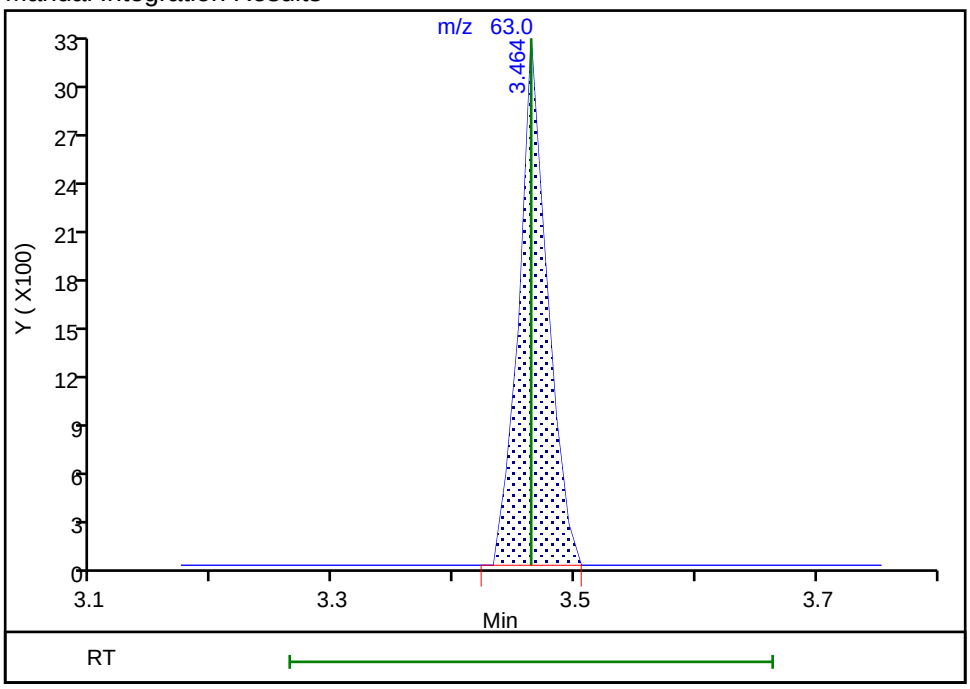
Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 5276
Amount: 0.358015
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:44:55
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

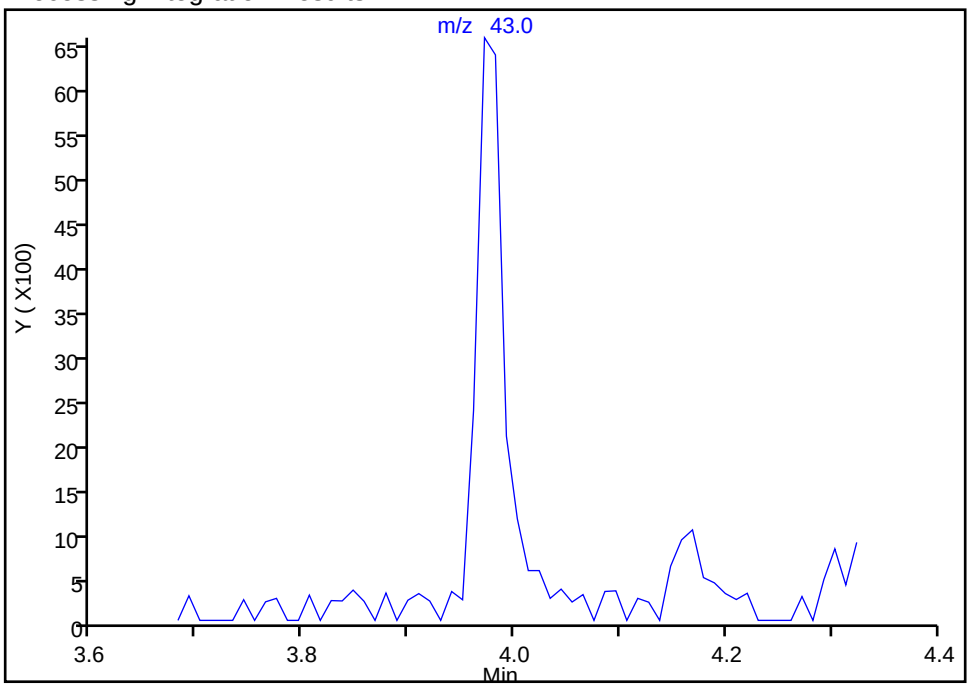
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Injection Date:	31-Mar-2021 11:52:30	Instrument ID:	HP5973C		
Lims ID:	IC 0.4				
Client ID:					
Operator ID:	RF	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

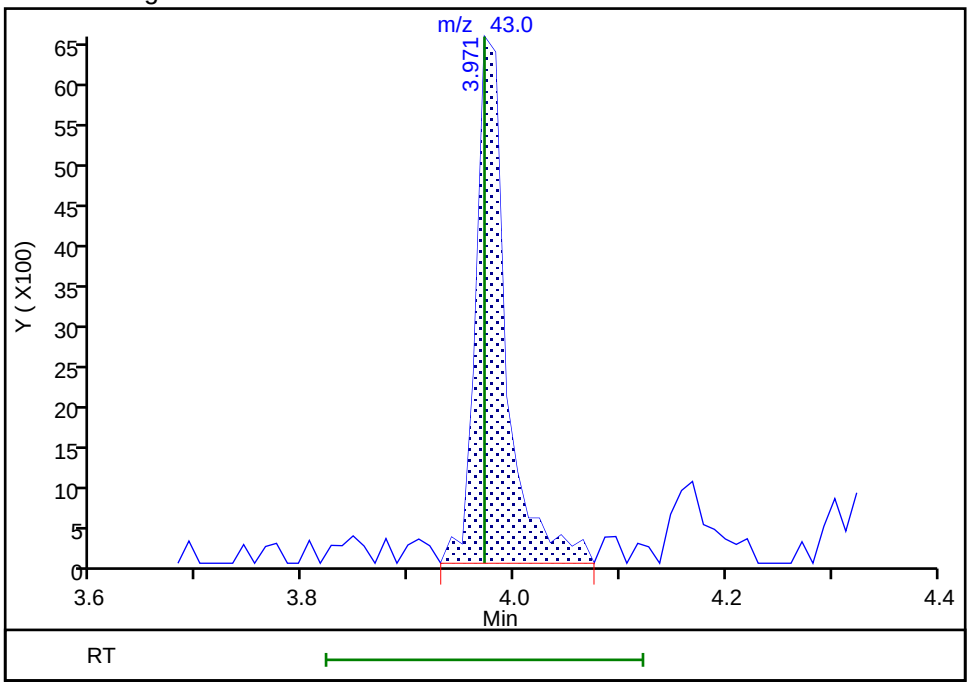
Not Detected
Expected RT: 3.97

Processing Integration Results



Manual Integration Results

RT: 3.97
Area: 13127
Amount: 1.746394
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:45:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

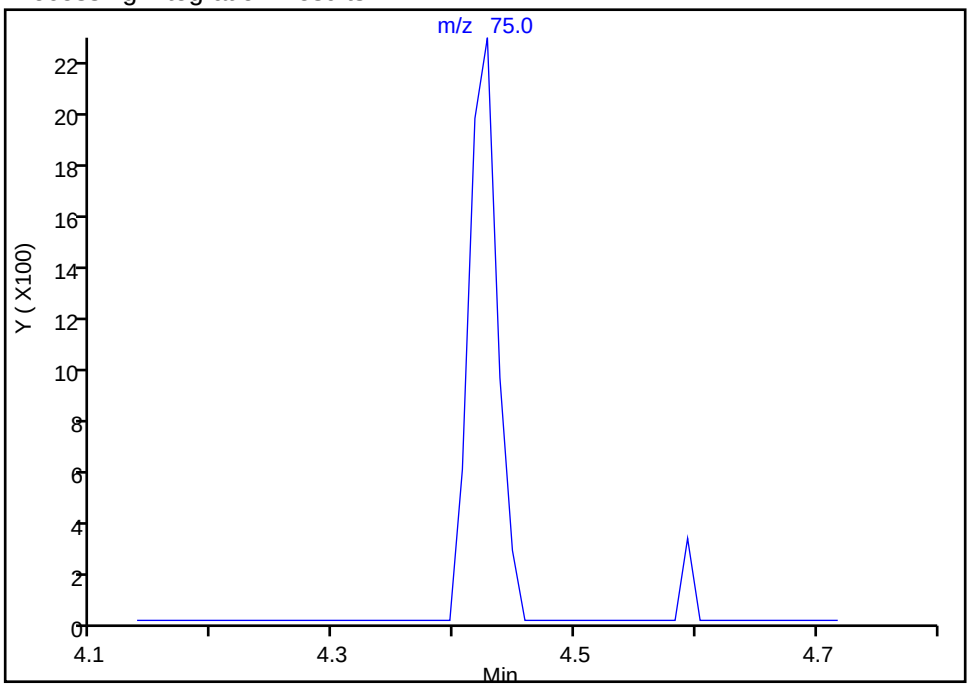
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4914.D
Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

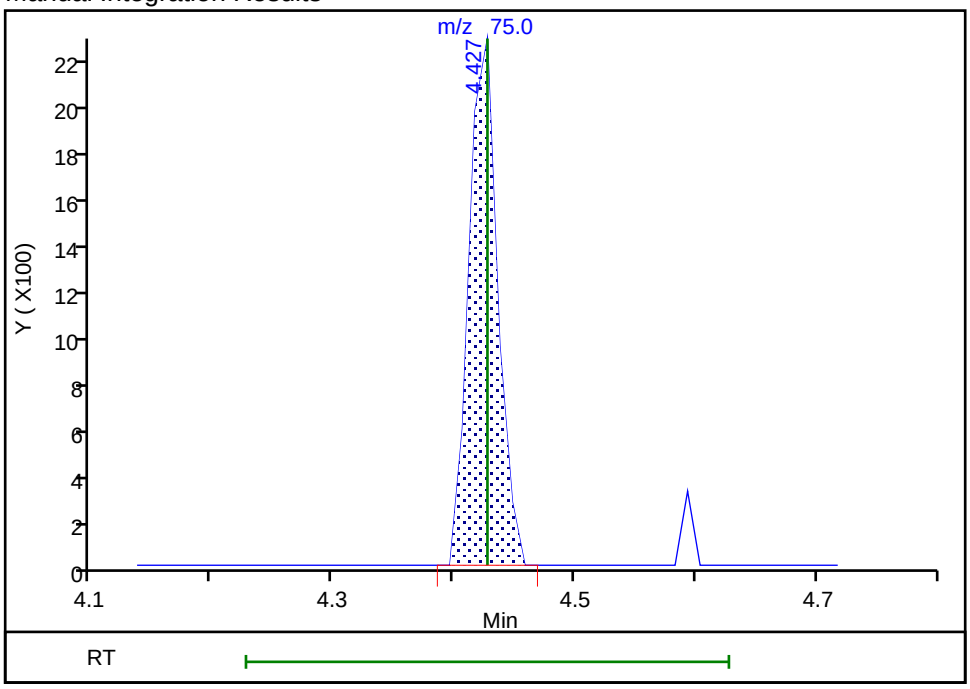
Not Detected
Expected RT: 4.43

Processing Integration Results



Manual Integration Results

RT: 4.43
Area: 3744
Amount: 0.360060
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:45:17
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

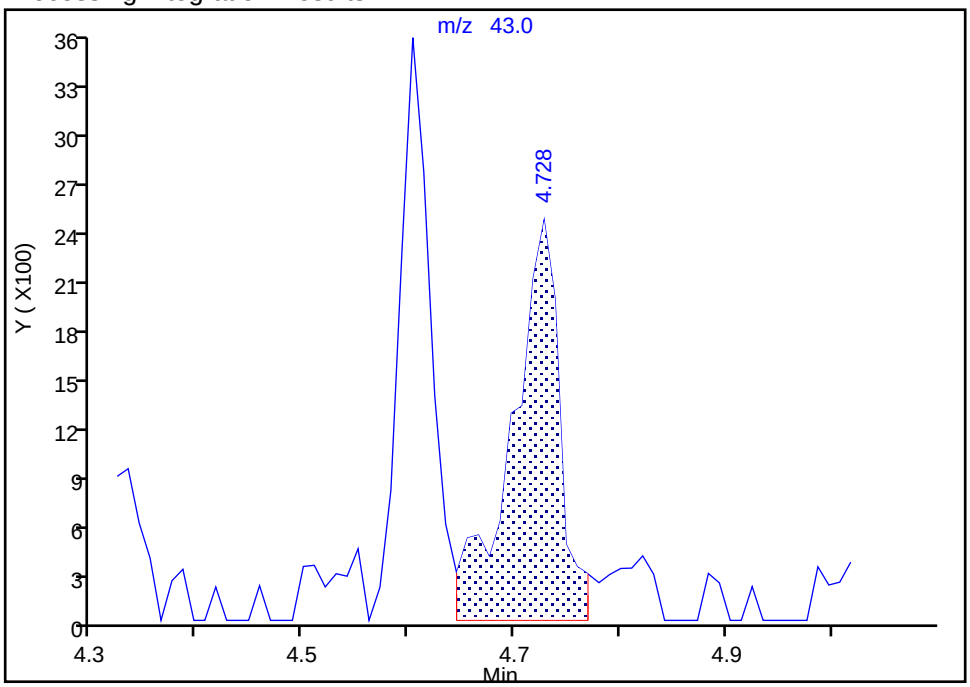
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

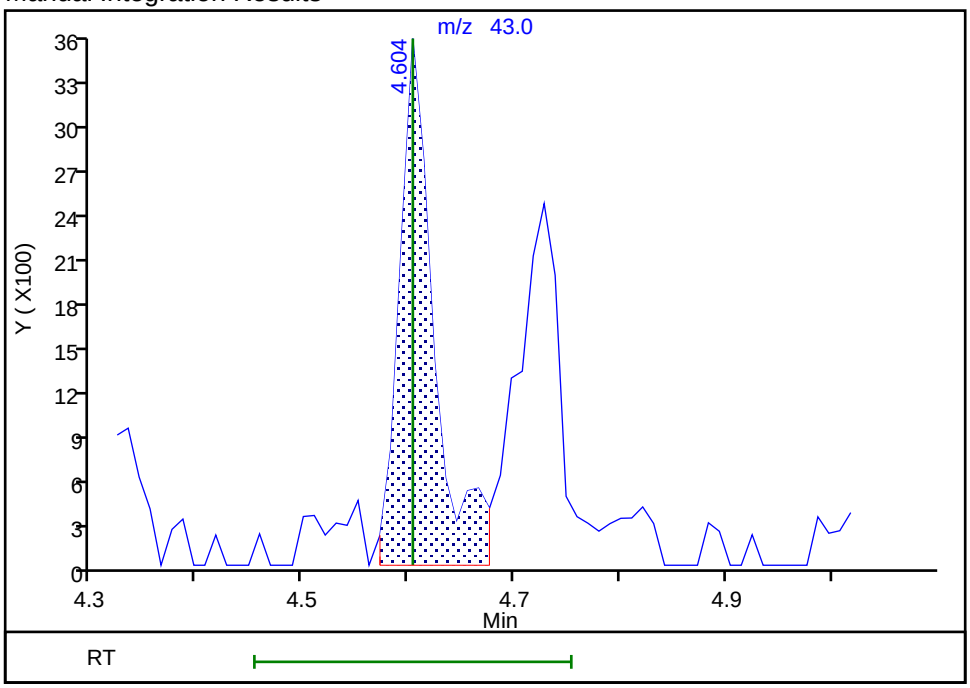
Processing Integration Results

RT: 4.73
Area: 7666
Amount: 9.203228
Amount Units: ug/L



Manual Integration Results

RT: 4.60
Area: 8129
Amount: 9.186965
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:45:24
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

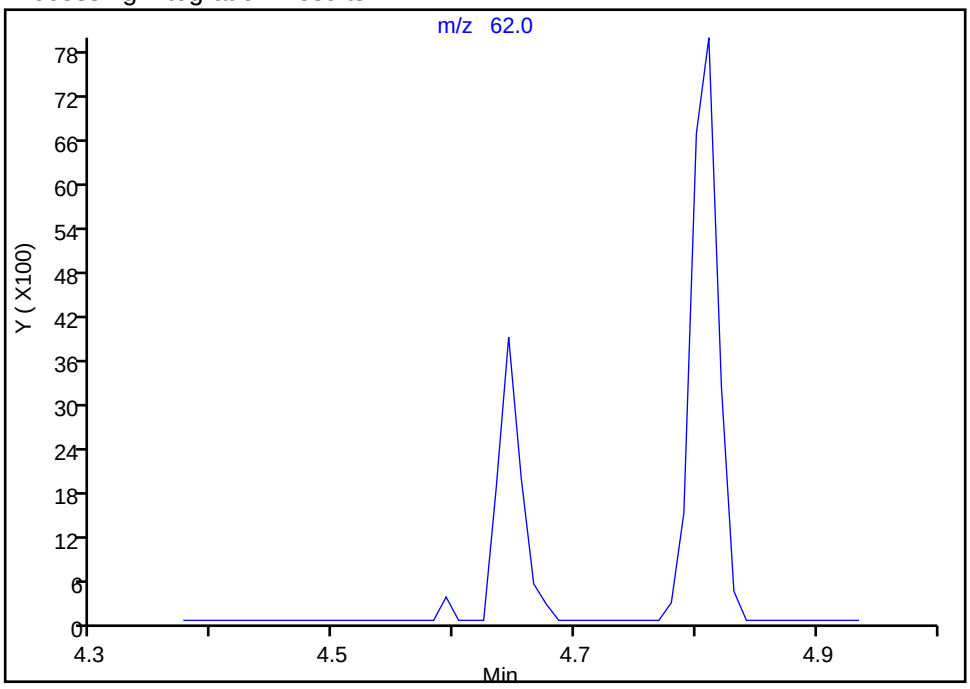
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

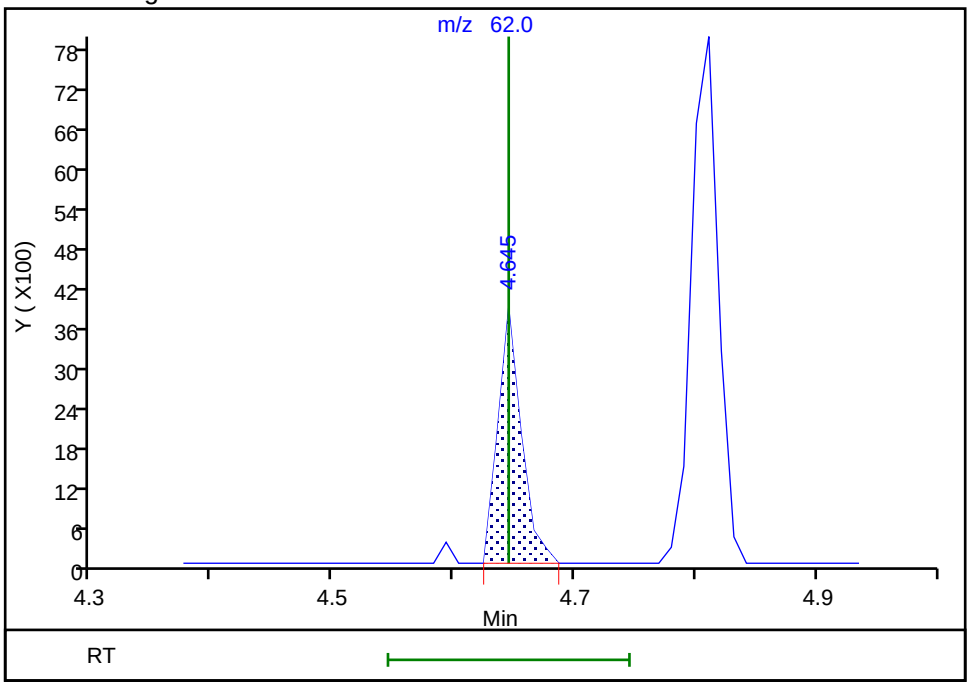
Not Detected
Expected RT: 4.65

Processing Integration Results



Manual Integration Results

RT: 4.65
Area: 5156
Amount: 0.428341
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:49:09
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

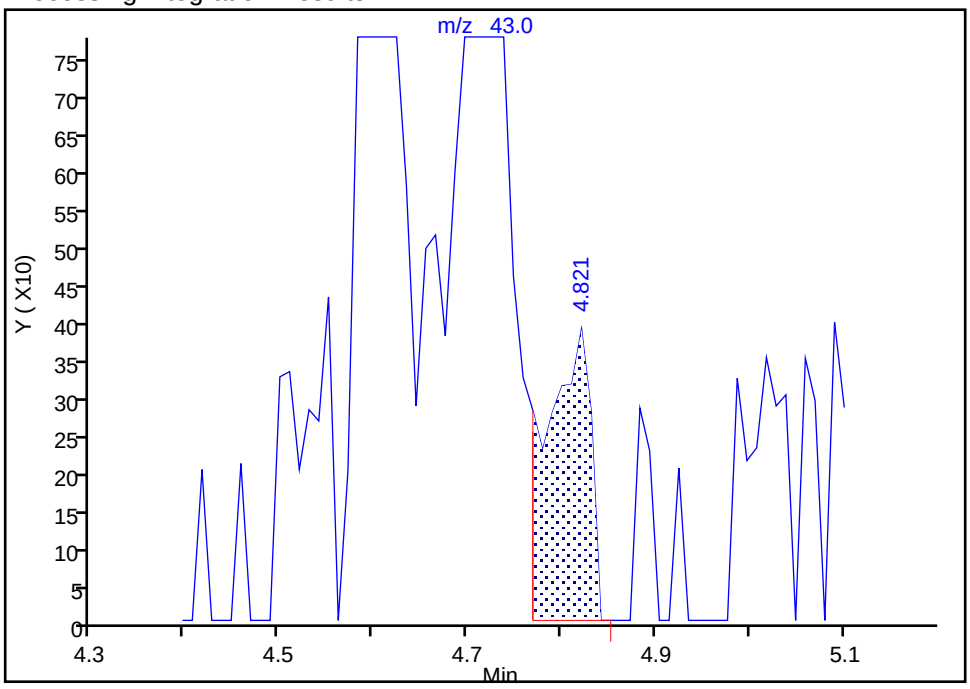
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

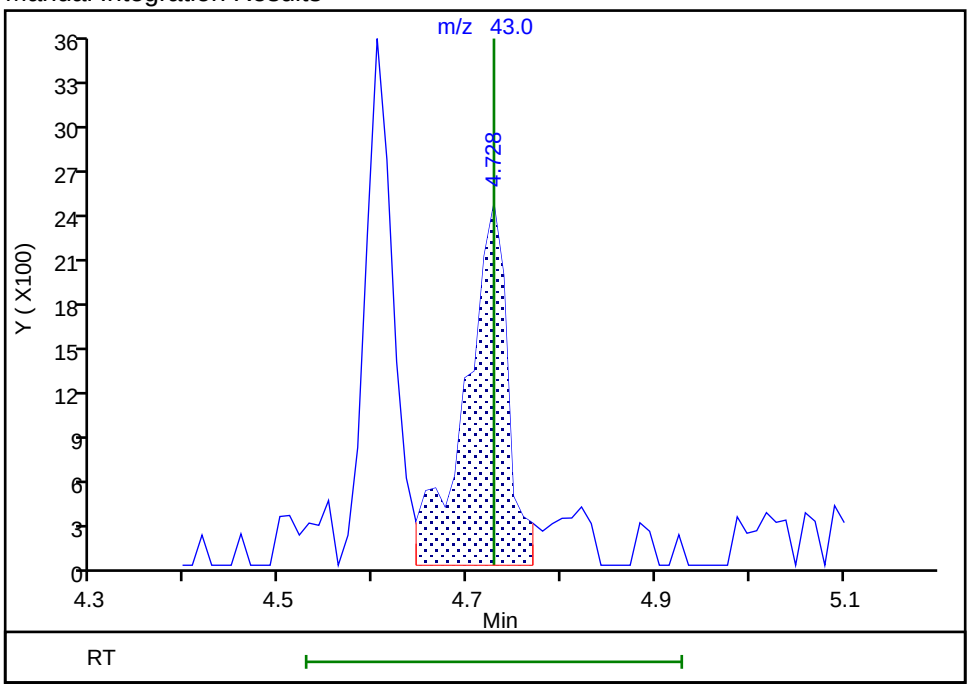
Processing Integration Results

RT: 4.82
Area: 1297
Amount: 0.097865
Amount Units: ug/L



Manual Integration Results

RT: 4.73
Area: 7666
Amount: 0.522099
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:49:15
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

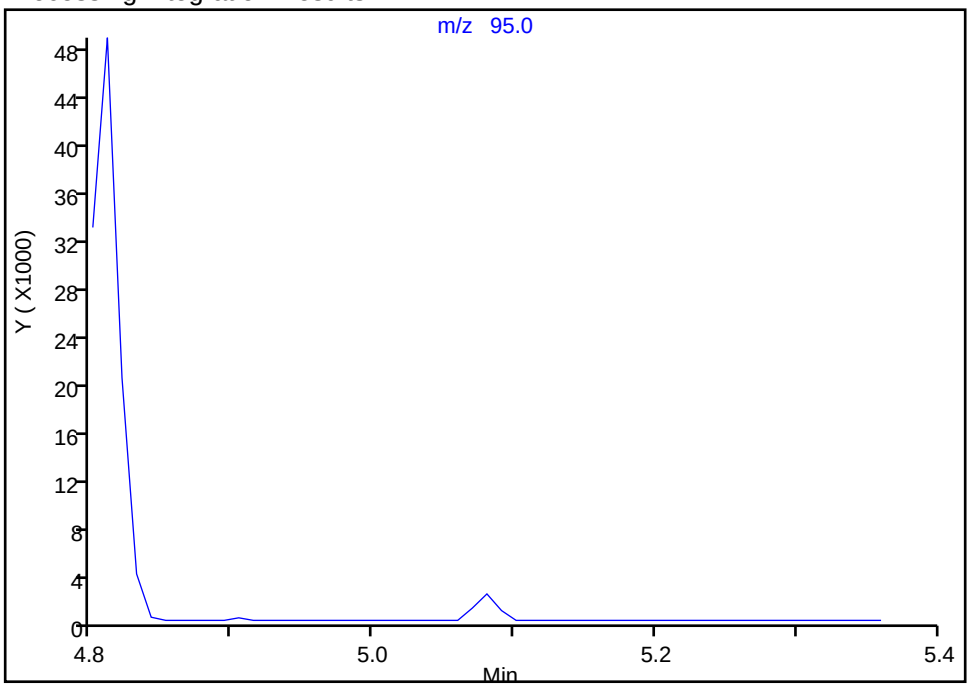
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

62 Trichloroethene, CAS: 79-01-6

Signal: 1

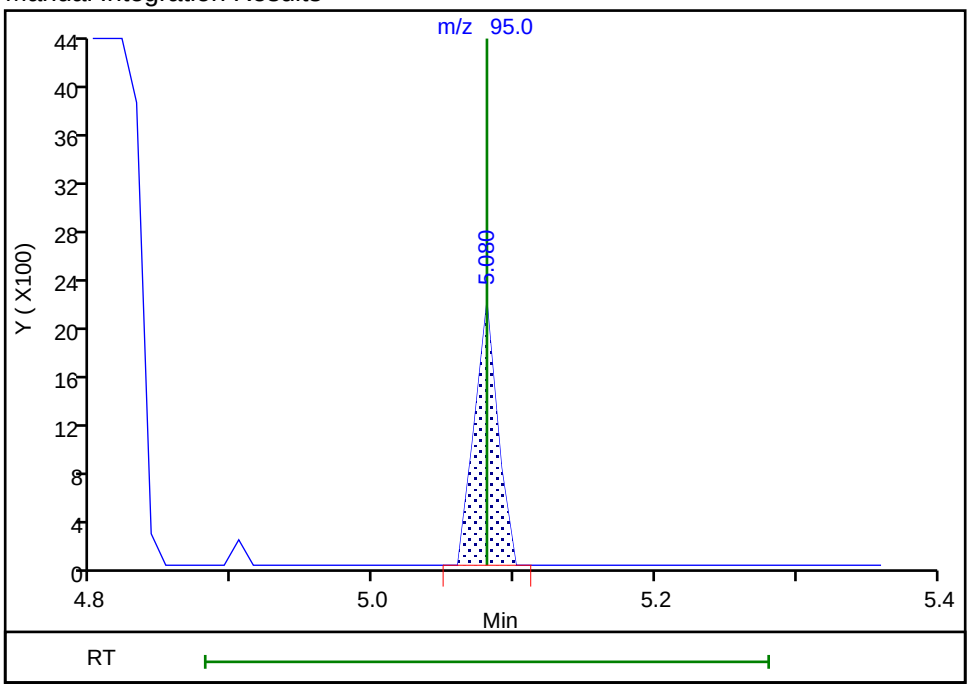
Not Detected
Expected RT: 5.08

Processing Integration Results



Manual Integration Results

RT: 5.08
Area: 2490
Amount: 0.308733
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:49:28
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

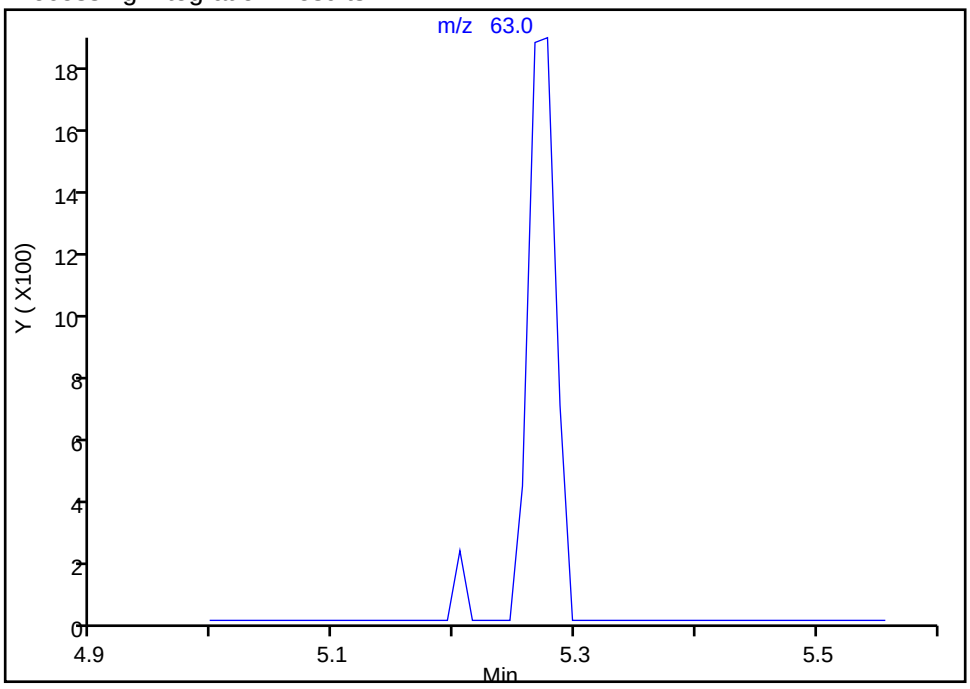
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

65 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

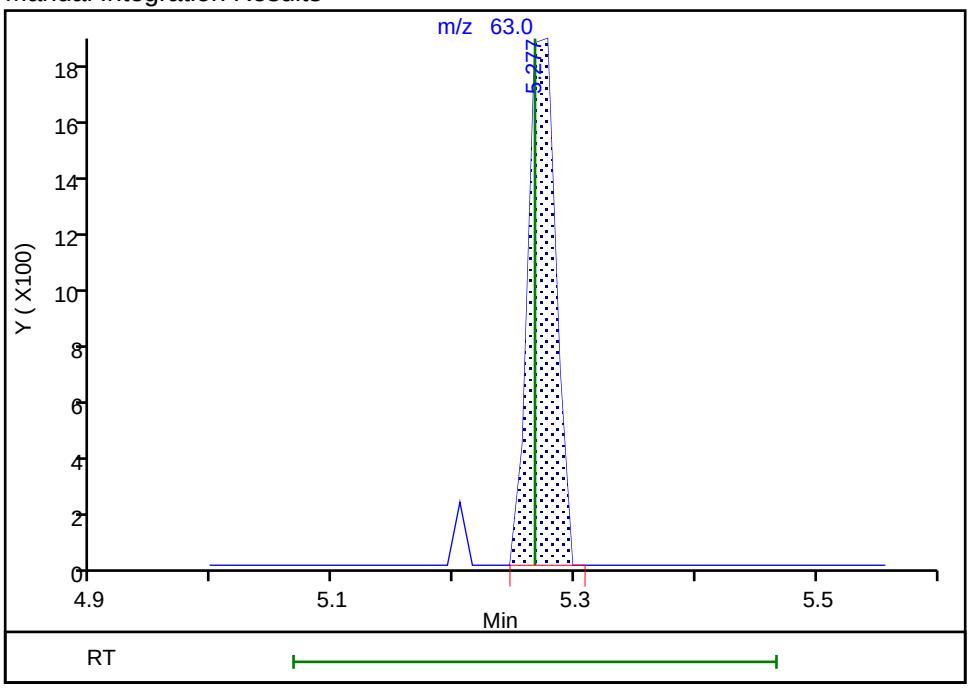
Not Detected
Expected RT: 5.27

Processing Integration Results



Manual Integration Results

RT: 5.28
Area: 2936
Amount: 0.376349
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:49:34
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

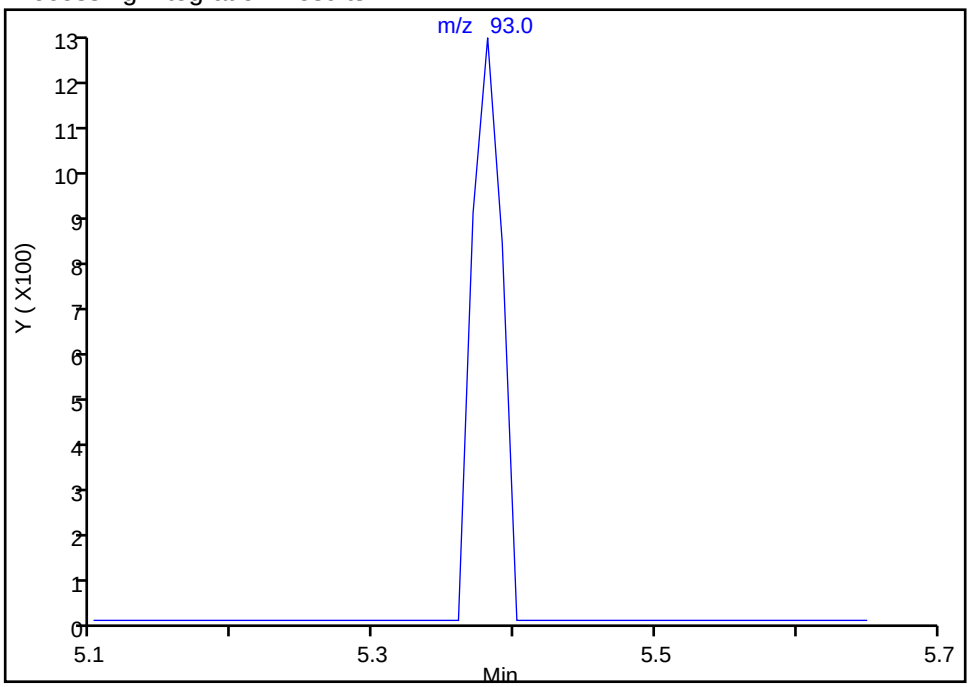
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

67 Dibromomethane, CAS: 74-95-3

Signal: 1

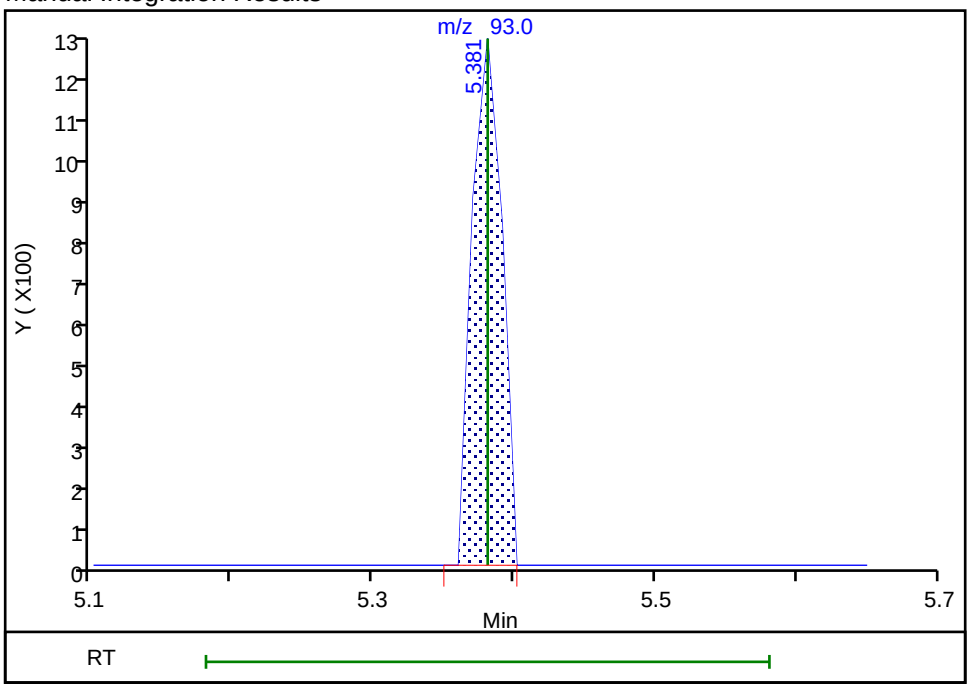
Not Detected
Expected RT: 5.38

Processing Integration Results



Manual Integration Results

RT: 5.38
Area: 1897
Amount: 0.347218
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:49:42
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

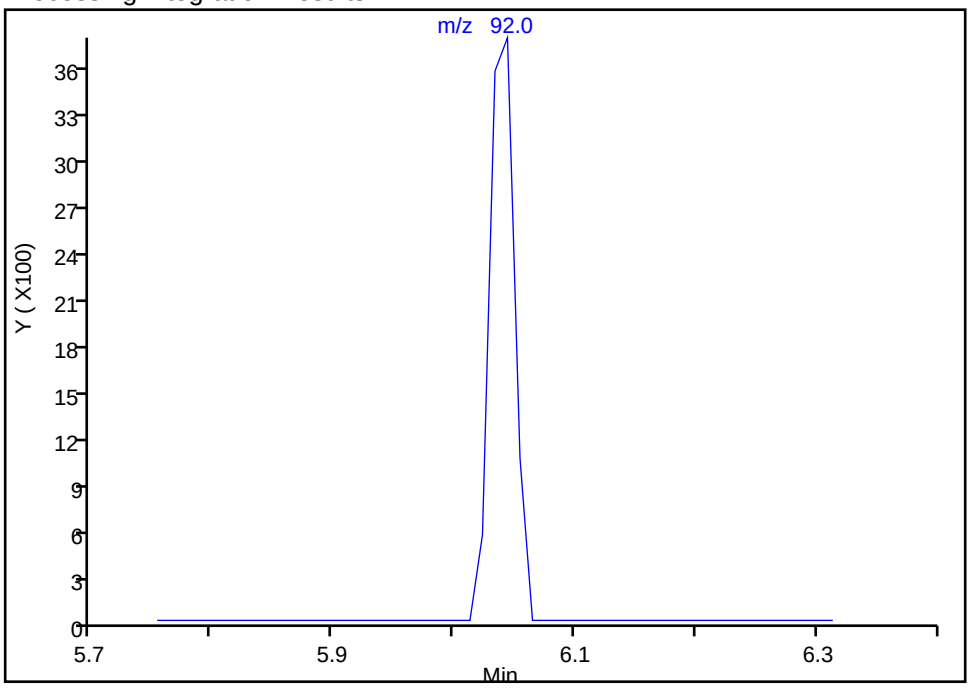
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

74 Toluene, CAS: 108-88-3

Signal: 1

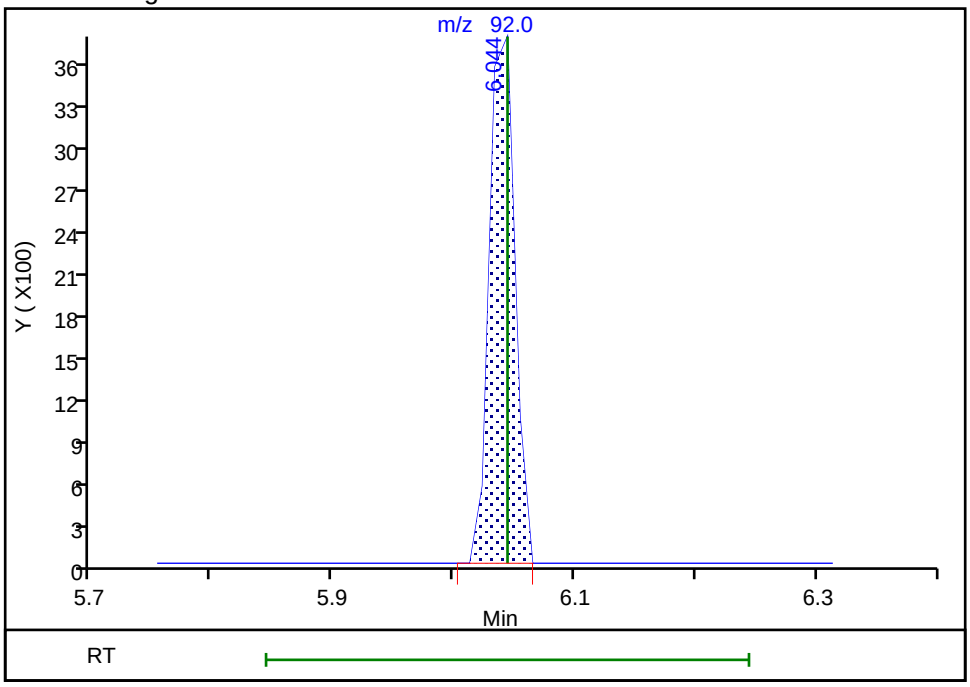
Not Detected
Expected RT: 6.04

Processing Integration Results



Manual Integration Results

RT: 6.04
Area: 5536
Amount: 0.339712
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:49:50
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

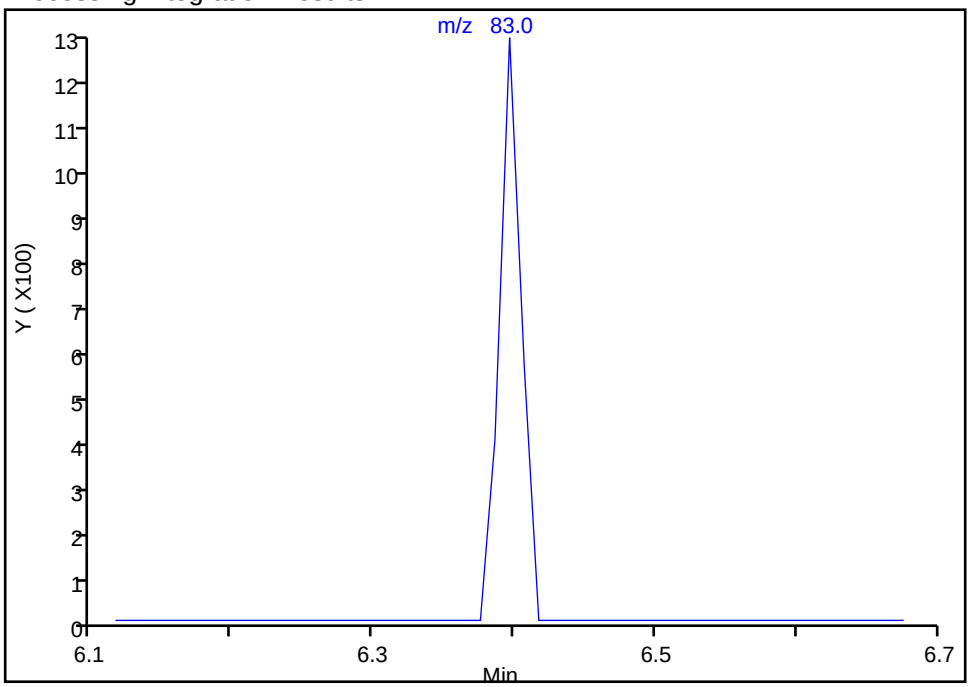
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

79 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

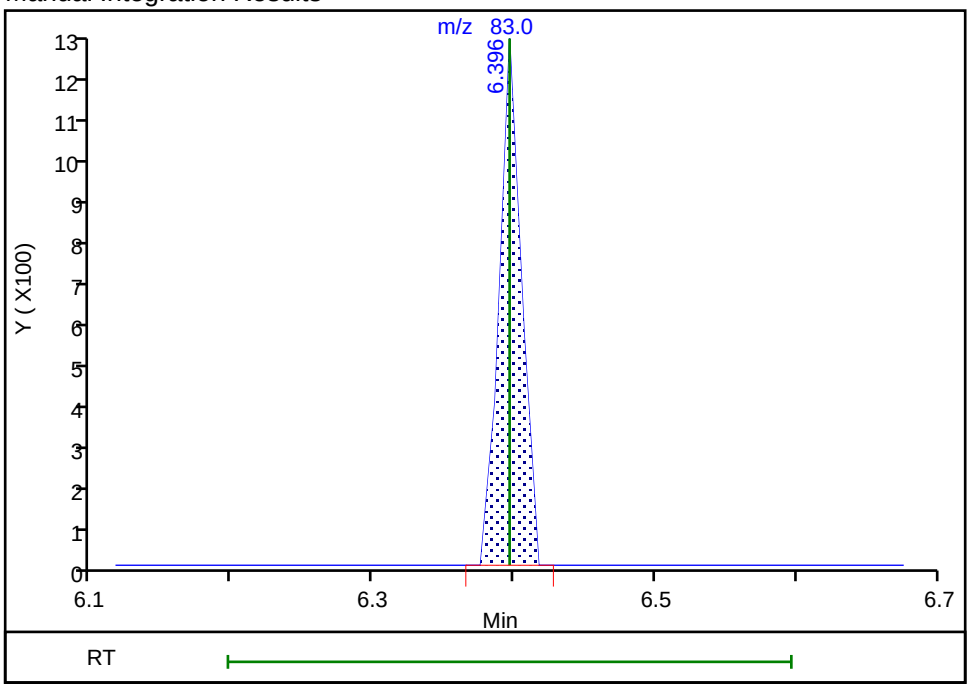
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 1329
Amount: 0.251711
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:49:56
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

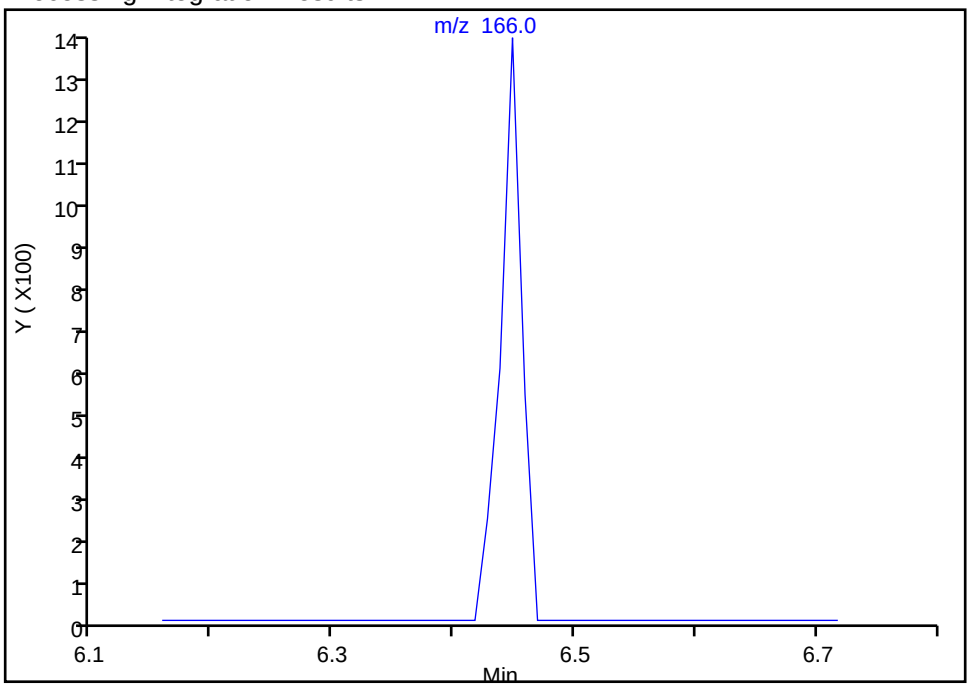
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

81 Tetrachloroethene, CAS: 127-18-4

Signal: 1

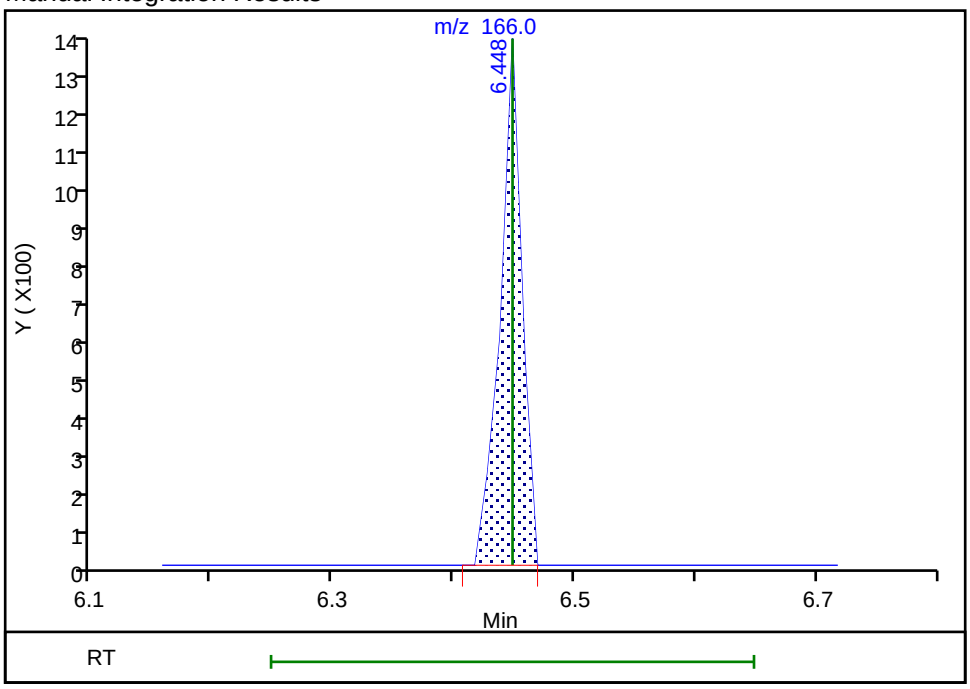
Not Detected
Expected RT: 6.45

Processing Integration Results



Manual Integration Results

RT: 6.45
Area: 1699
Amount: 0.240808
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:50:01
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

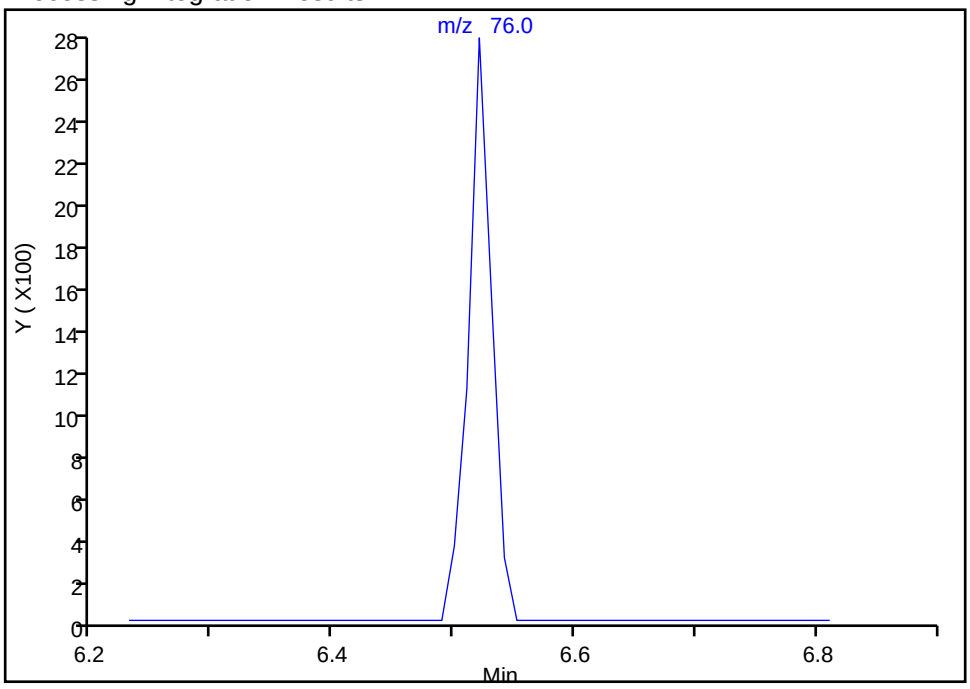
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

82 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

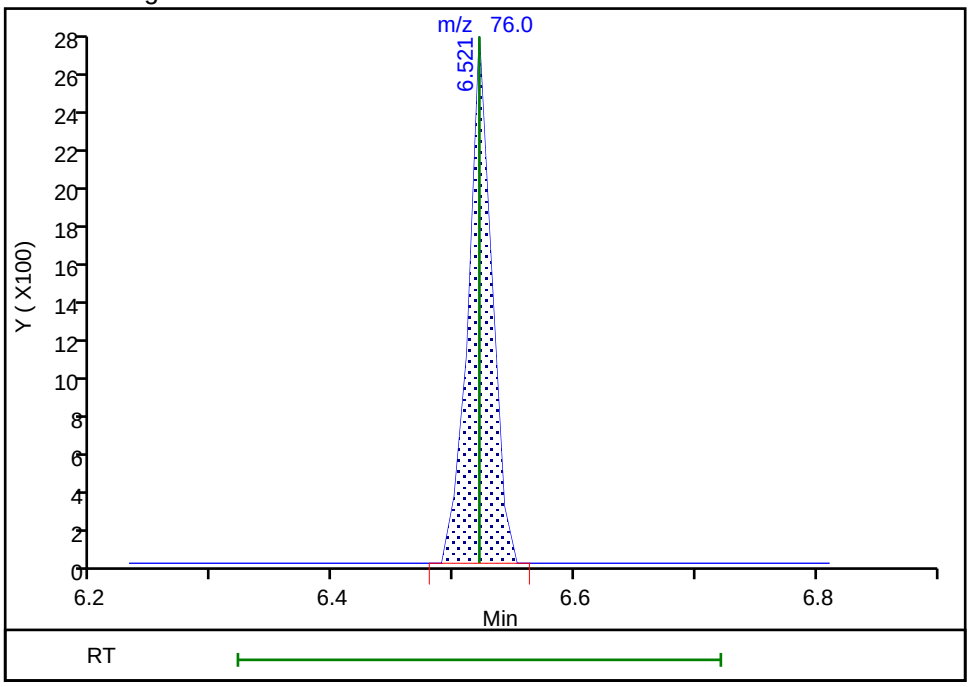
Not Detected
Expected RT: 6.52

Processing Integration Results



RT: 6.52
Area: 3767
Amount: 0.363798
Amount Units: ug/L

Manual Integration Results



Reviewer: farrellr, 01-Apr-2021 08:50:05
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

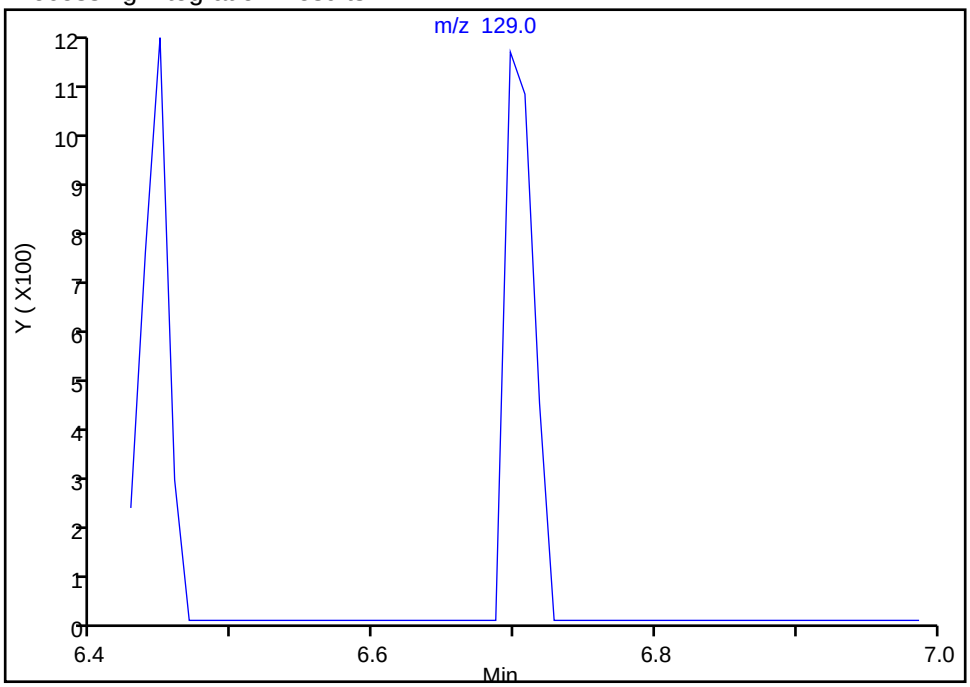
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

83 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

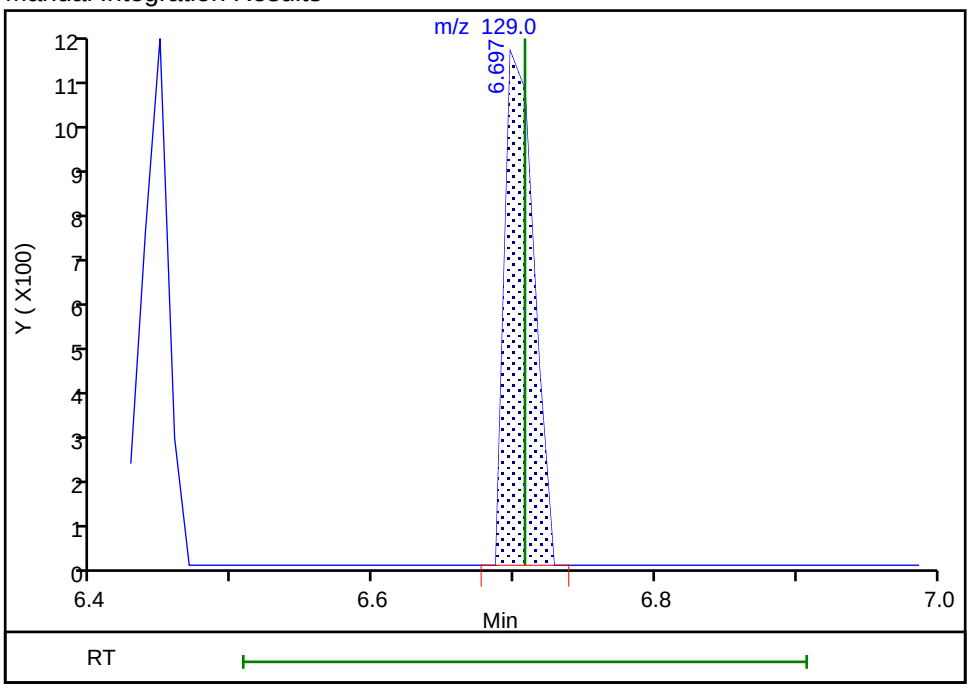
Not Detected
Expected RT: 6.71

Processing Integration Results



Manual Integration Results

RT: 6.70
Area: 1589
Amount: 0.279728
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 11:42:58
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

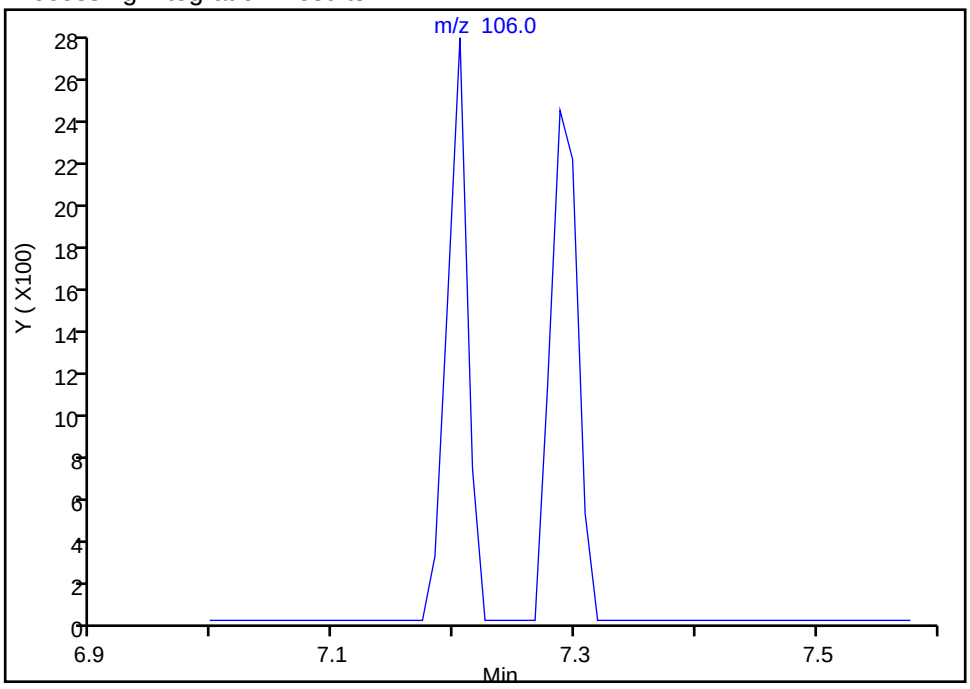
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Injection Date:	31-Mar-2021 11:52:30	Instrument ID:	HP5973C		
Lims ID:	IC 0.4				
Client ID:					
Operator ID:	RF	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

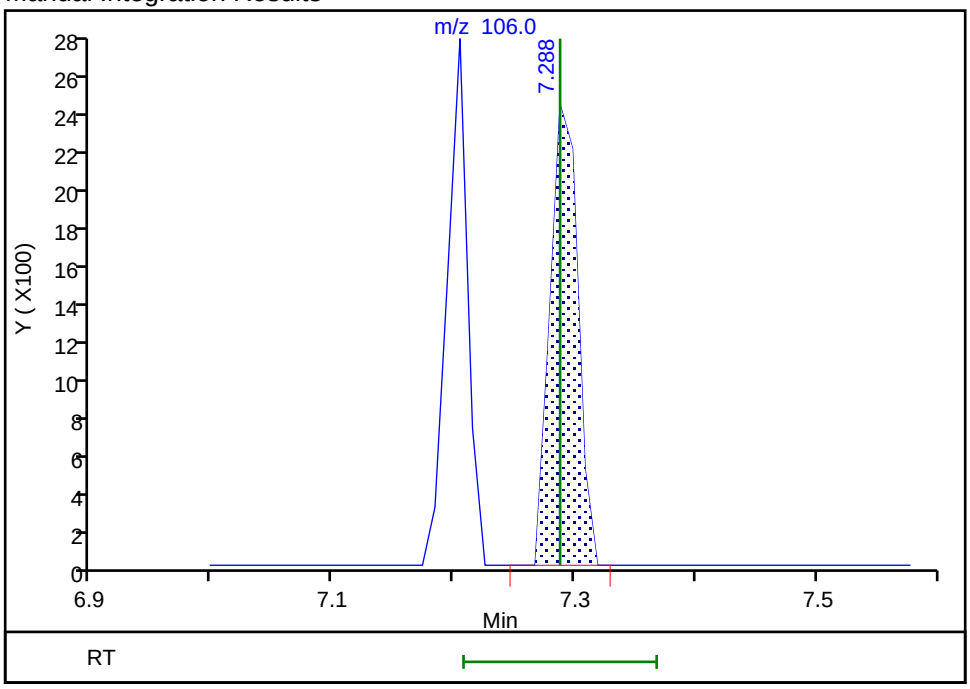
Not Detected
Expected RT: 7.29

Processing Integration Results



Manual Integration Results

RT: 7.29
Area: 3855
Amount: 0.319489
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:50:18
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

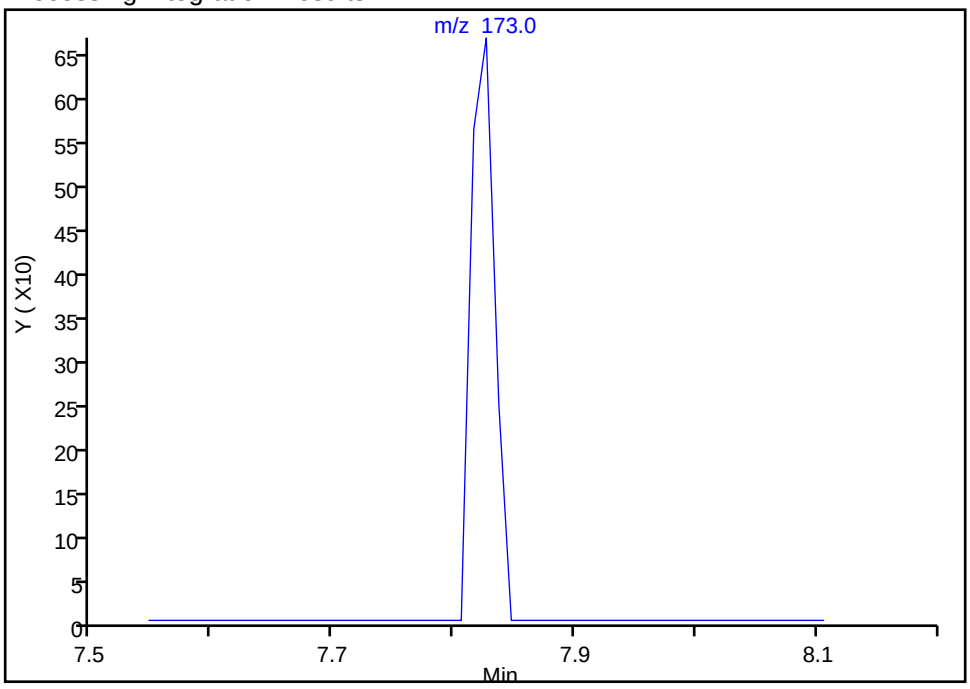
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

95 Bromoform, CAS: 75-25-2

Signal: 1

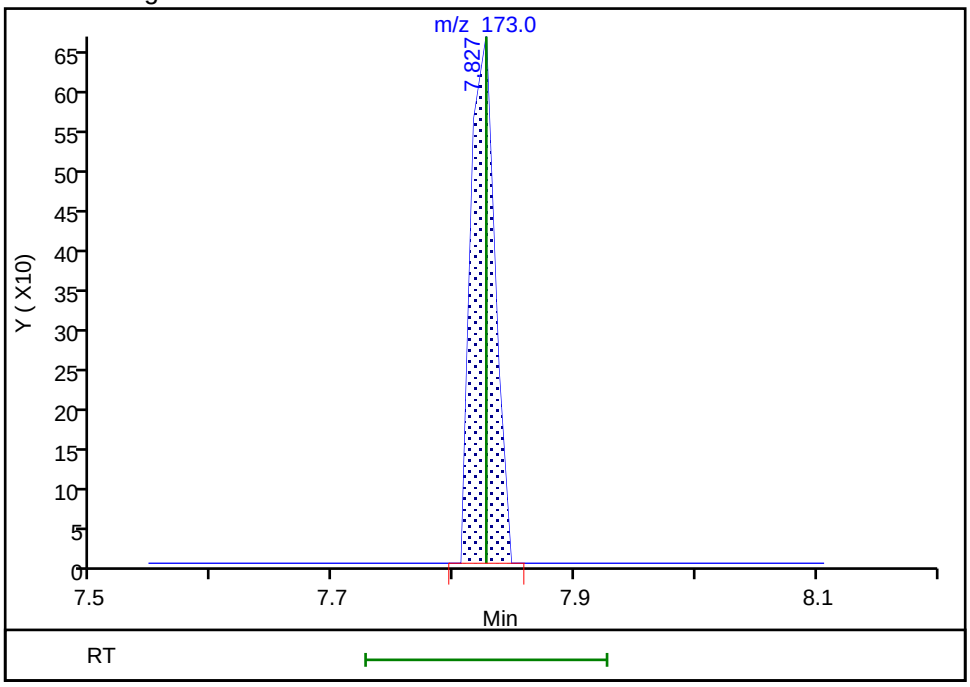
Not Detected
Expected RT: 7.83

Processing Integration Results



Manual Integration Results

RT: 7.83
Area: 918
Amount: 0.253587
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:50:24
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

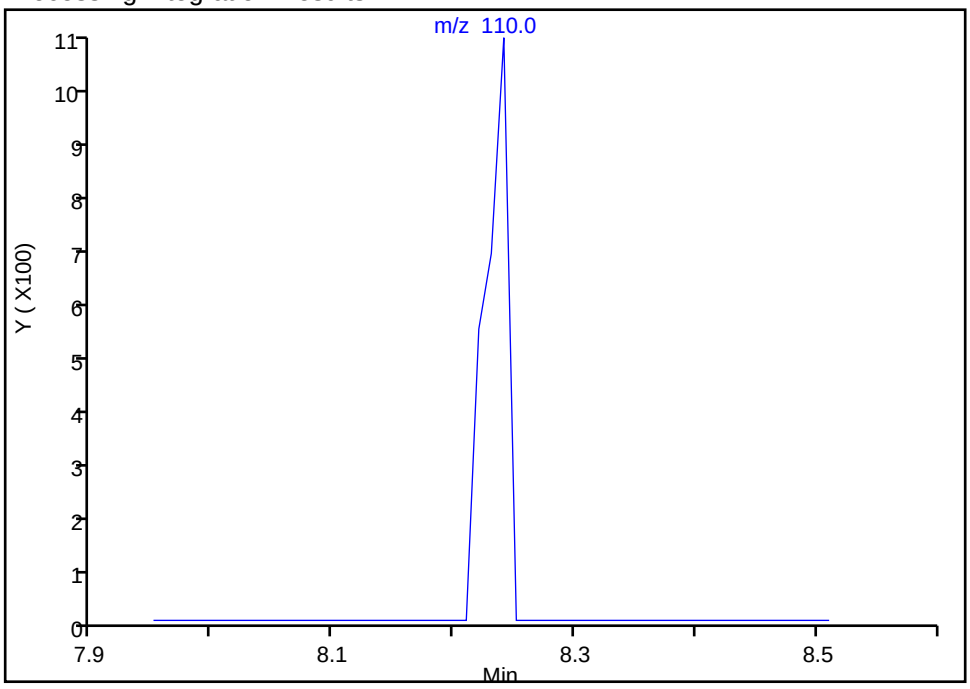
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

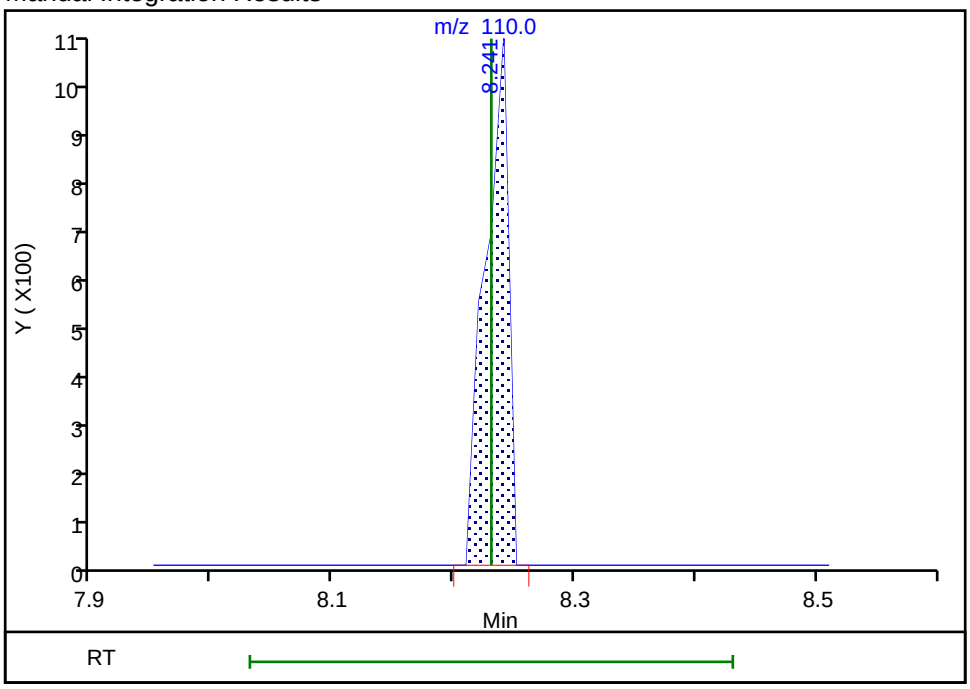
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.24
Area: 1327
Amount: 0.322713
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:50:38
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

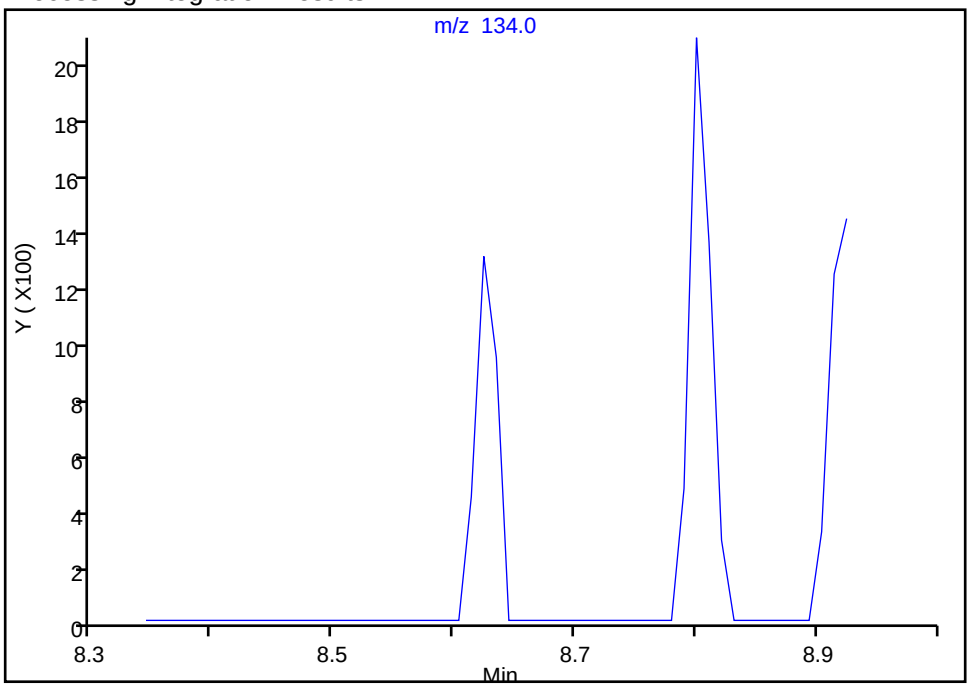
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

106 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

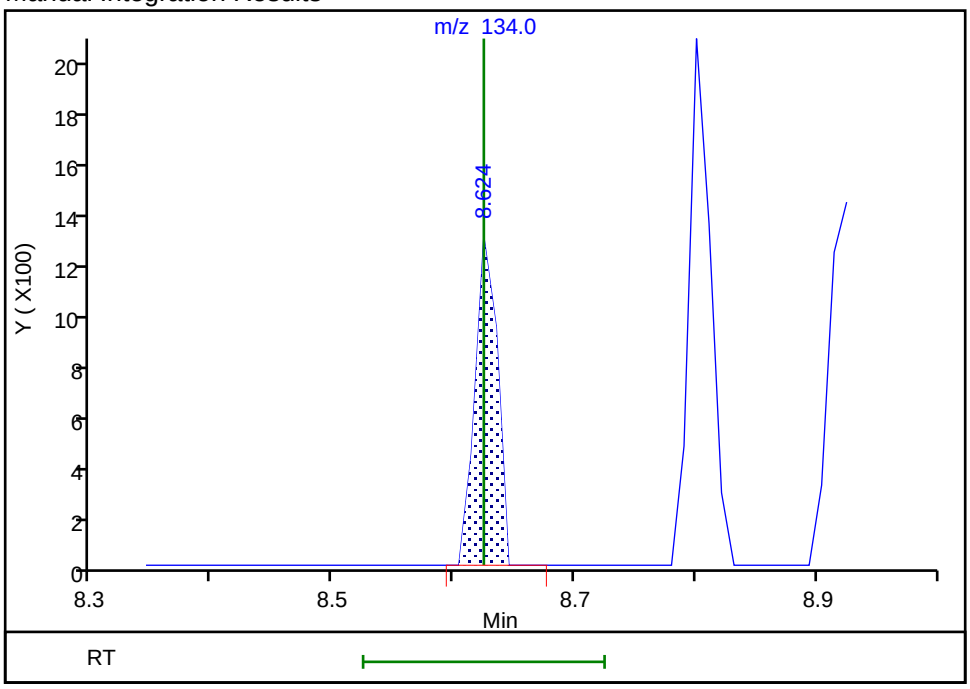
Not Detected
Expected RT: 8.62

Processing Integration Results



Manual Integration Results

RT: 8.62
Area: 1682
Amount: 0.244337
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:50:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

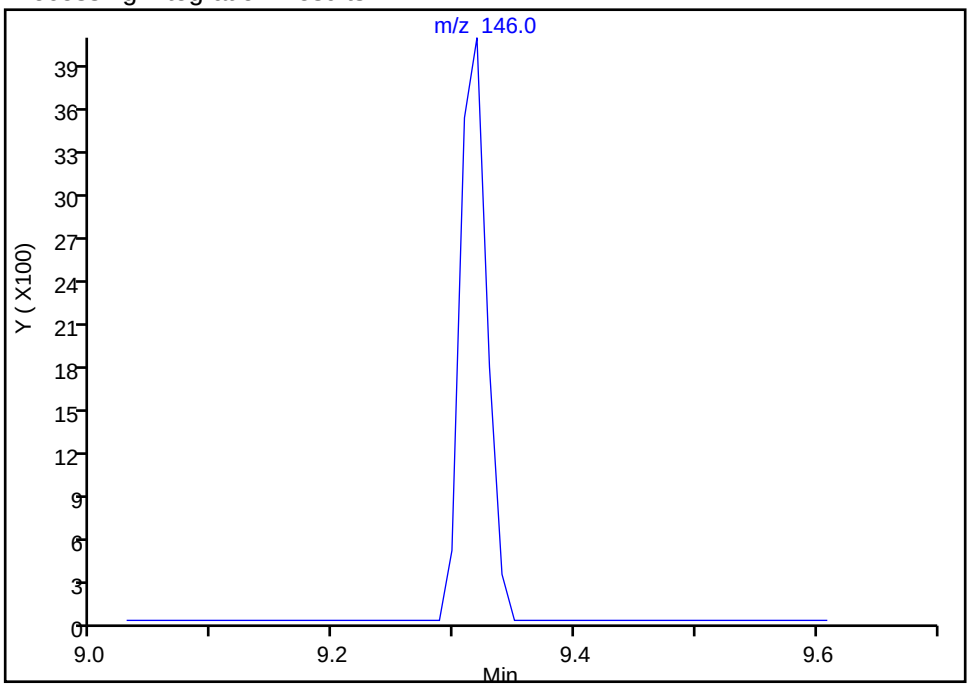
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Injection Date:	31-Mar-2021 11:52:30	Instrument ID:	HP5973C		
Lims ID:	IC 0.4				
Client ID:					
Operator ID:	RF	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

116 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

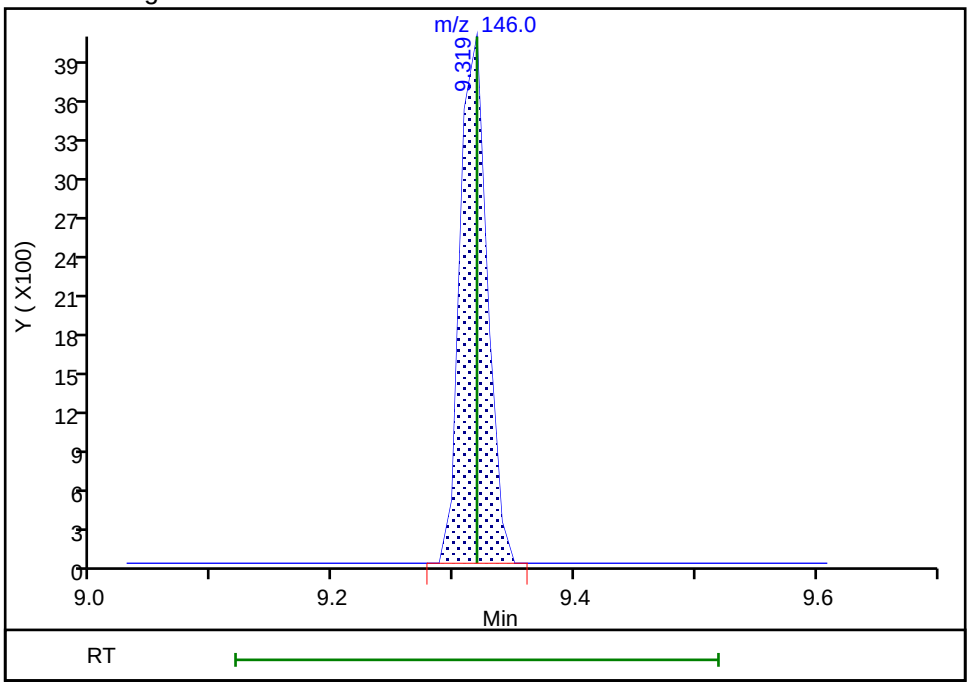
Not Detected
Expected RT: 9.32

Processing Integration Results



Manual Integration Results

RT: 9.32
Area: 6300
Amount: 0.347989
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:50:58
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

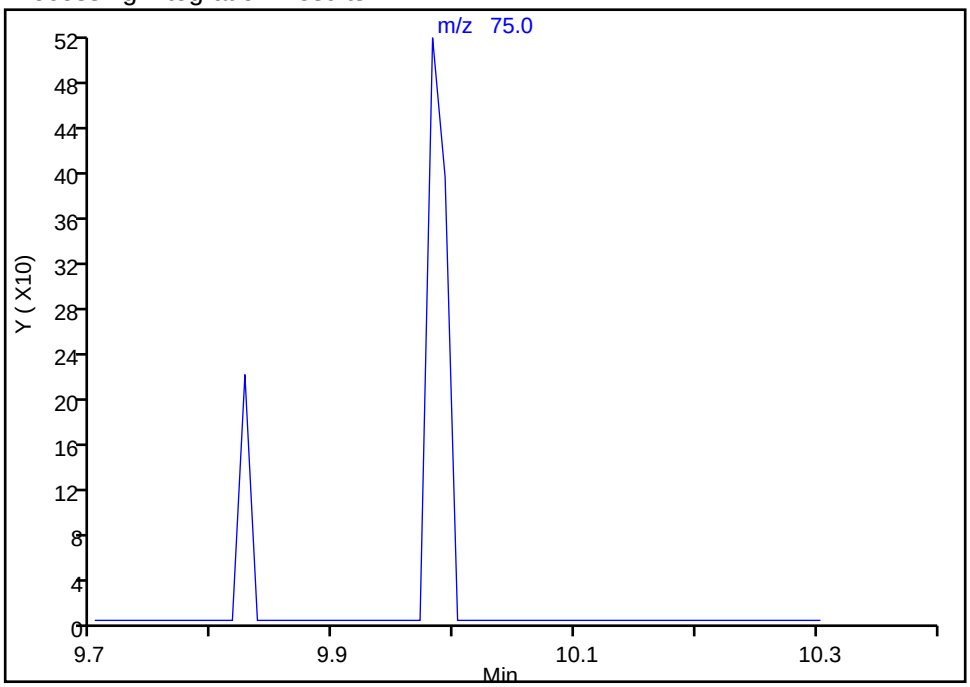
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

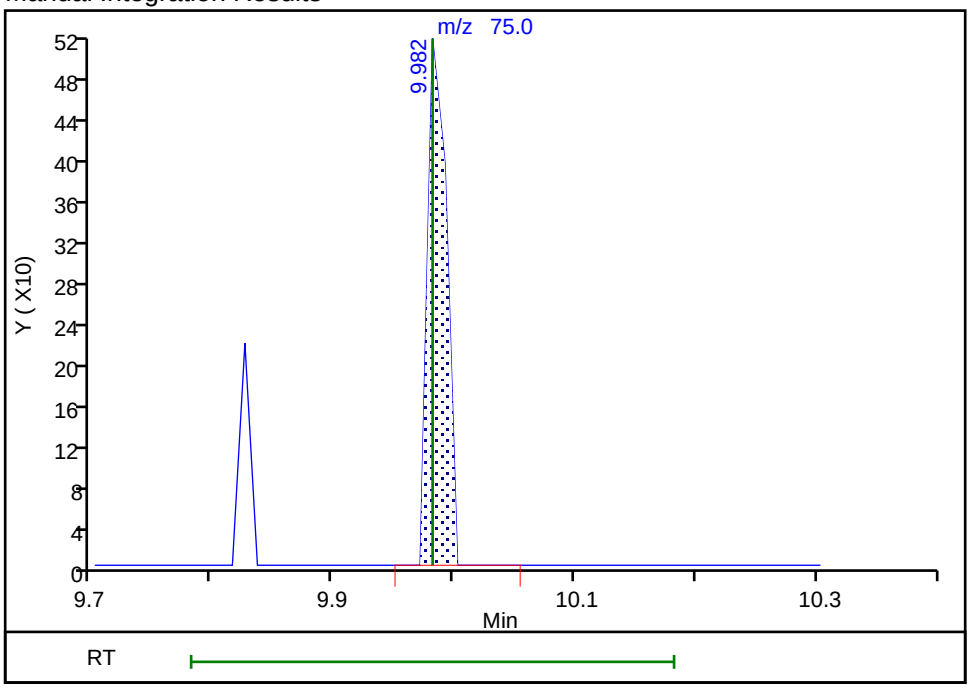
Not Detected
Expected RT: 9.98

Processing Integration Results



Manual Integration Results

RT: 9.98
Area: 568
Amount: 0.186753
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:51:06
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

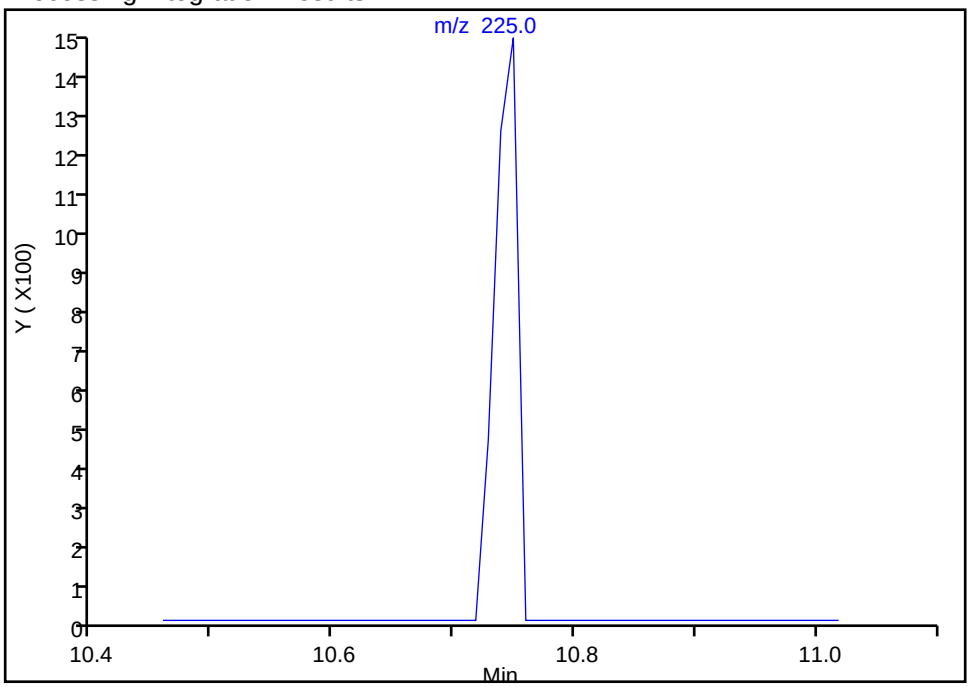
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

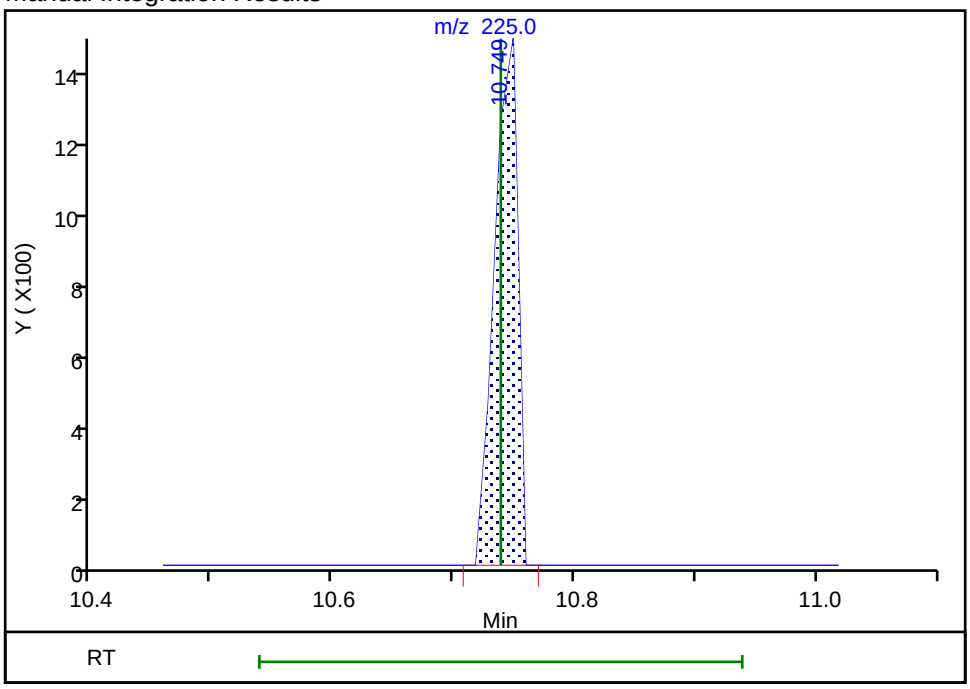
Not Detected
Expected RT: 10.74

Processing Integration Results



Manual Integration Results

RT: 10.75
Area: 1879
Amount: 0.321084
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:51:15
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

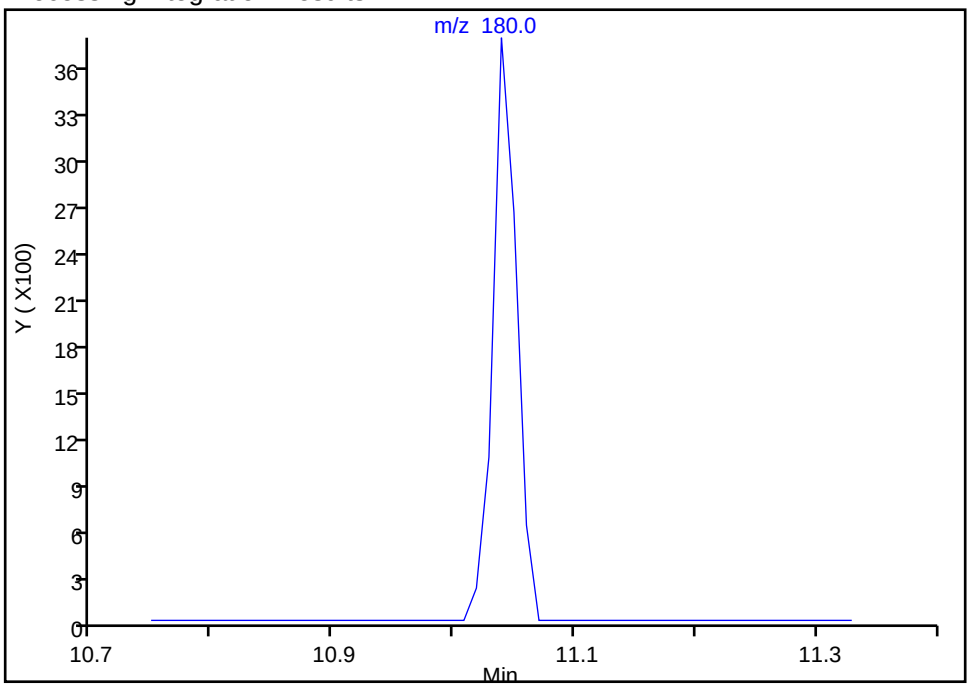
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Injection Date: 31-Mar-2021 11:52:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

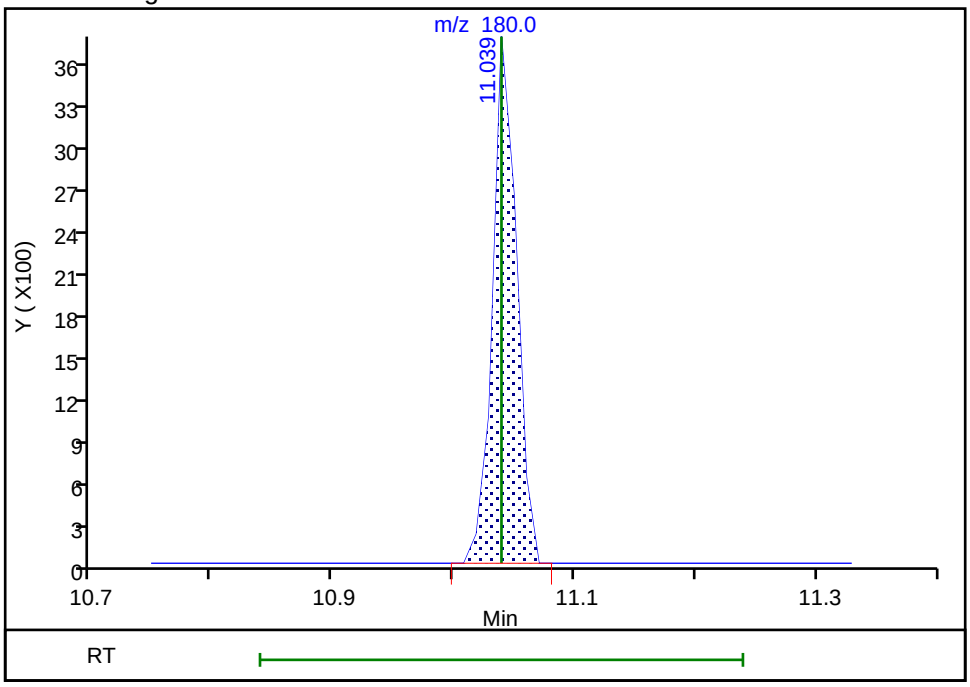
Not Detected
Expected RT: 11.04

Processing Integration Results



Manual Integration Results

RT: 11.04
Area: 5183
Amount: 0.373681
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:51:19
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4915.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 31-Mar-2021 12:16:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0097516-006
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Apr-2021 17:03:32 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: farrellr Date: 01-Apr-2021 09:01:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	177451	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	88	314161	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	96	310743	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	231061	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.593	-0.010	97	141599	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	760143	25.0	25.8	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.055	-0.001	90	218519	25.0	25.7	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	98	12299	1.00	1.04	
12 Chloromethane	50	1.236	1.236	0.000	98	14139	1.00	1.02	
13 Vinyl chloride	62	1.319	1.319	0.000	88	11359	1.00	0.9283	
151 Butadiene	54	1.339	1.339	0.000	97	12426	1.00	0.9491	
14 Bromomethane	94	1.609	1.598	0.011	88	7460	1.00	1.10	M
15 Chloroethane	64	1.692	1.681	0.011	98	7393	1.00	1.09	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	95	16947	1.00	1.02	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	72	12539	1.00	0.9178	
18 Ethyl ether	59	2.189	2.189	0.000	93	8316	1.00	0.9143	
20 Acrolein	56	2.355	2.365	-0.010	23	1535	5.00	4.69	Ma
21 112TCTFE	101	2.386	2.386	0.000	64	5723	1.00	0.7356	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	96	7742	1.00	0.9700	
23 Acetone	43	2.510	2.510	0.000	99	27505	5.00	5.08	
25 Iodomethane	142	2.541	2.541	0.000	91	13769	1.00	0.9369	
26 Carbon disulfide	76	2.572	2.573	0.000	98	24753	1.00	0.9044	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	92	13804	1.00	0.8876	
27 Methyl acetate	43	2.800	2.790	0.010	99	24938	2.00	1.93	
30 Methylene Chloride	84	2.883	2.883	0.000	96	14485	1.00	0.8981	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	98	23697	10.0	8.89	M
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	98	27116	1.00	0.9313	
34 trans-1,2-Dichloroethene	96	3.091	3.091	0.000	93	9663	1.00	0.9838	
33 Acrylonitrile	53	3.142	3.142	0.000	99	66771	10.0	9.55	
35 Hexane	57	3.267	3.267	0.000	91	11285	1.00	0.8355	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.464	0.000	97	15771	1.00	0.9478	
37 Vinyl acetate	43	3.515	3.516	-0.001	97	45743	2.00	1.80	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	89	9548	1.00	0.9156	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	81	9190	1.00	0.9154	
43 2-Butanone (MEK)	43	3.971	3.972	-0.001	100	42292	5.00	4.98	
48 Chlorobromomethane	128	4.148	4.148	0.000	95	5735	1.00	1.05	
49 Tetrahydrofuran	42	4.158	4.158	0.000	91	13963	2.00	2.23	
50 Chloroform	83	4.210	4.210	0.000	94	18104	1.00	1.08	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	85	10679	1.00	0.8275	
52 Cyclohexane	56	4.303	4.303	0.000	91	13014	1.00	0.7746	
55 Carbon tetrachloride	117	4.417	4.417	0.000	93	8564	1.00	0.8469	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	92	10242	1.00	0.8724	
57 Benzene	78	4.593	4.593	0.000	71	34260	1.00	0.9792	
53 Isobutyl alcohol	43	4.604	4.604	0.000	91	22766	25.0	22.8	M
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	13589	1.00	1.00	
59 n-Heptane	43	4.728	4.728	0.000	91	19092	1.00	1.15	
62 Trichloroethene	95	5.080	5.080	0.000	94	8504	1.00	0.9339	
64 Methylcyclohexane	83	5.174	5.174	0.000	94	12594	1.00	0.8253	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	93	8031	1.00	0.9118	
66 1,4-Dioxane	88	5.381	5.381	0.000	0	2875	20.0	17.5	M
67 Dibromomethane	93	5.381	5.381	0.000	90	6404	1.00	1.04	
68 Dichlorobromomethane	83	5.495	5.495	0.000	95	9484	1.00	0.9056	
69 2-Chloroethyl vinyl ether	63	5.712	5.702	0.010	92	5028	1.00	0.8184	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	90	11980	1.00	0.9468	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	97	68373	5.00	4.49	
74 Toluene	92	6.044	6.044	0.000	99	17840	1.00	0.9429	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	88	9995	1.00	0.9231	
75 Ethyl methacrylate	69	6.272	6.272	0.000	92	10647	1.00	0.9616	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	87	5521	1.00	0.9006	
81 Tetrachloroethene	166	6.448	6.448	0.000	94	8378	1.00	1.02	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	93	11678	1.00	0.9713	a
80 2-Hexanone	43	6.562	6.562	0.000	98	46615	5.00	4.70	
83 Chlorodibromomethane	129	6.707	6.707	0.000	87	5692	1.00	0.8630	
84 Ethylene Dibromide	107	6.780	6.790	-0.010	99	7549	1.00	0.9587	
87 Chlorobenzene	112	7.143	7.143	0.000	96	18600	1.00	0.9012	
88 Ethylbenzene	91	7.205	7.205	0.000	98	30694	1.00	0.8735	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	86	6167	1.00	0.8282	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	96	13085	1.00	0.9340	
91 o-Xylene	106	7.609	7.609	0.000	96	13798	1.00	0.9370	
92 Styrene	104	7.630	7.630	0.000	93	20936	1.00	0.9143	
95 Bromoform	173	7.827	7.827	-0.001	90	3166	1.00	0.7532	
94 Isopropylbenzene	105	7.889	7.889	0.000	96	33578	1.00	0.9013	
101 Bromobenzene	156	8.179	8.179	0.000	96	7410	1.00	0.8392	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.200	0.000	94	11283	1.00	0.9615	
99 N-Propylbenzene	91	8.220	8.220	0.000	98	39750	1.00	0.9011	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	88	4229	1.00	1.02	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	73	3667	1.00	0.9321	
103 2-Chlorotoluene	126	8.314	8.314	0.000	97	8949	1.00	0.9847	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	95	29548	1.00	0.8932	
105 4-Chlorotoluene	126	8.407	8.407	0.000	98	7895	1.00	0.8832	
106 tert-Butylbenzene	134	8.624	8.625	0.000	93	5716	1.00	0.8214	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	30488	1.00	0.8975	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.801	0.000	95	34538	1.00	0.8334	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	96	16293	1.00	0.9014	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	30160	1.00	0.8324	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	89	18127	1.00	0.9866	
115 n-Butylbenzene	91	9.257	9.257	0.000	98	27588	1.00	0.8421	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	17665	1.00	0.9652	
117 1,2-Dibromo-3-Chloropropane	75	9.992	9.982	0.010	77	3266	1.00	1.06	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	13280	1.00	0.9371	
120 Hexachlorobutadiene	225	10.739	10.739	0.000	84	5365	1.00	0.9069	
121 Naphthalene	128	10.842	10.842	0.000	94	48692	1.00	0.9444	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	93	13368	1.00	0.9534	
S 123 Total BTEX	1				0			4.67	
S 124 Xylenes, Total	1				0			1.87	
S 125 1,2-Dichloroethene, Total	1				0			1.90	
S 126 1,3-Dichloropropene, Total	1				0			1.87	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00205	Amount Added:	1.00	Units: uL	
GAS CORP mix_00448	Amount Added:	1.00	Units: uL	
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent

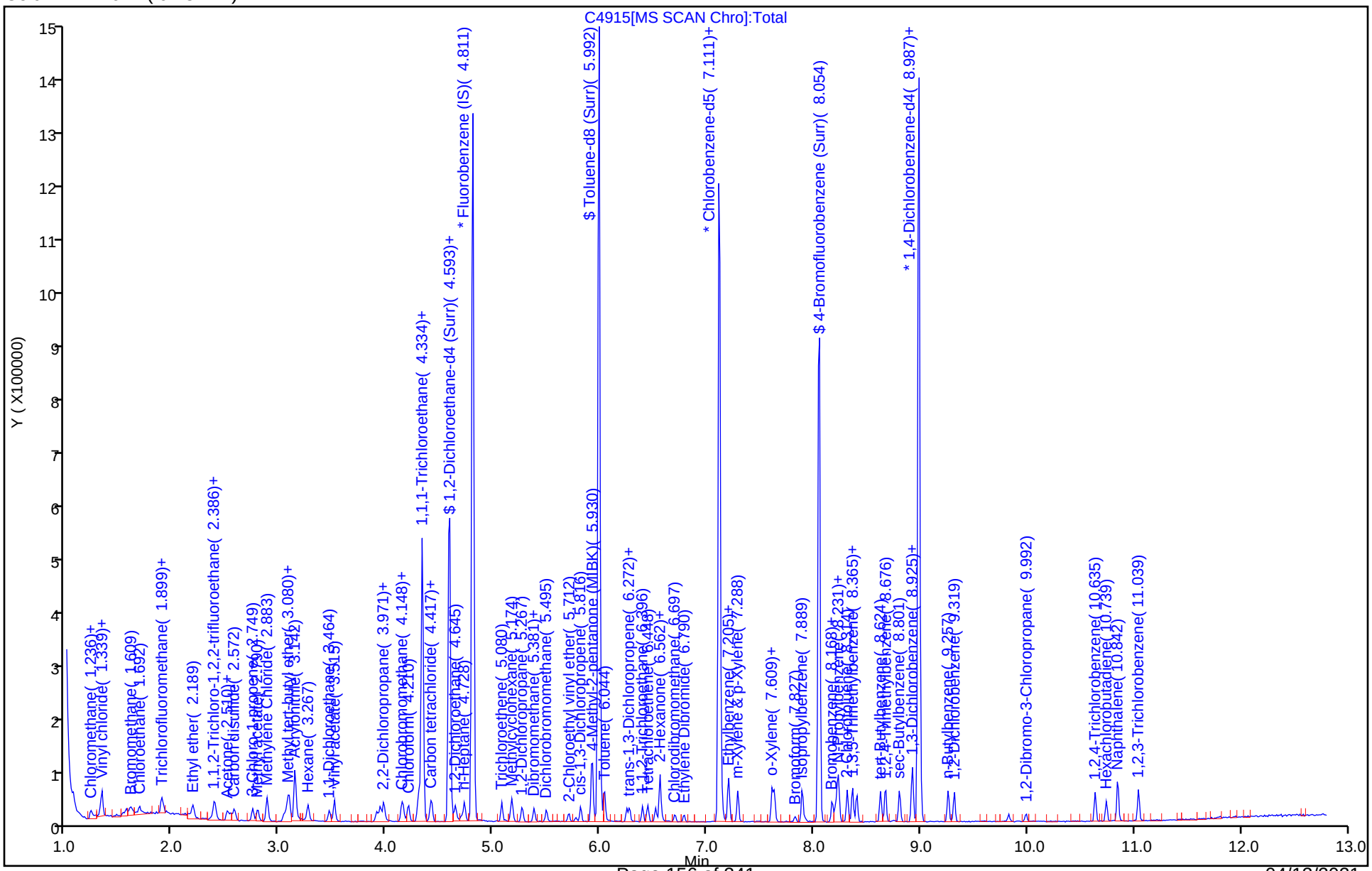
Report Date: 01-Apr-2021 17:03:35 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4915.D

Injection Date:	31-Mar-2021 12:16:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

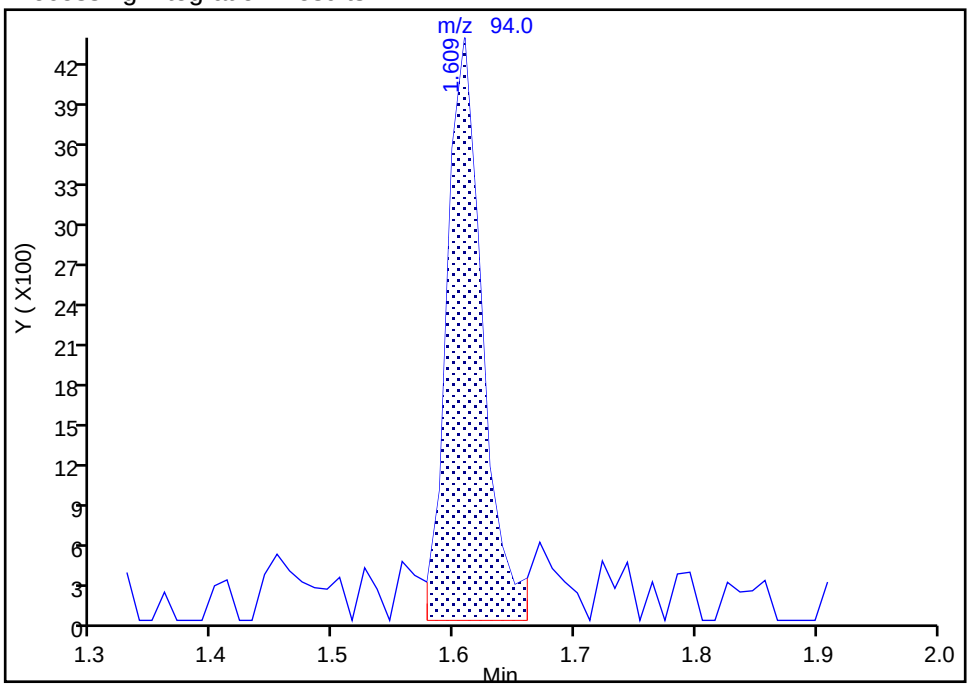
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Injection Date: 31-Mar-2021 12:16:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

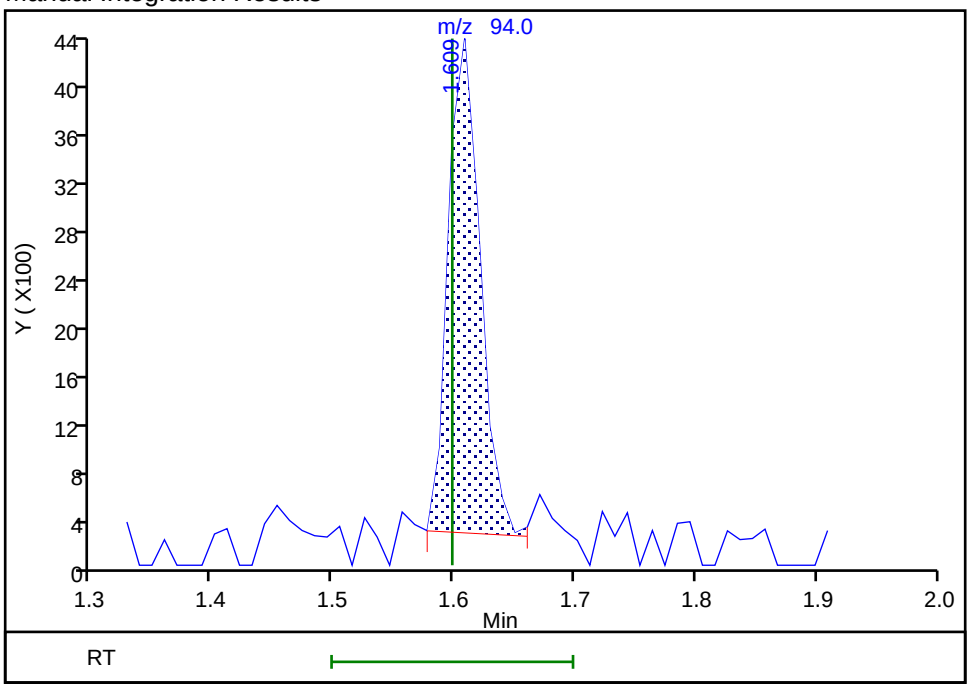
Processing Integration Results

RT: 1.61
Area: 8918
Amount: 1.254854
Amount Units: ug/L



Manual Integration Results

RT: 1.61
Area: 7460
Amount: 1.099174
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 11:34:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

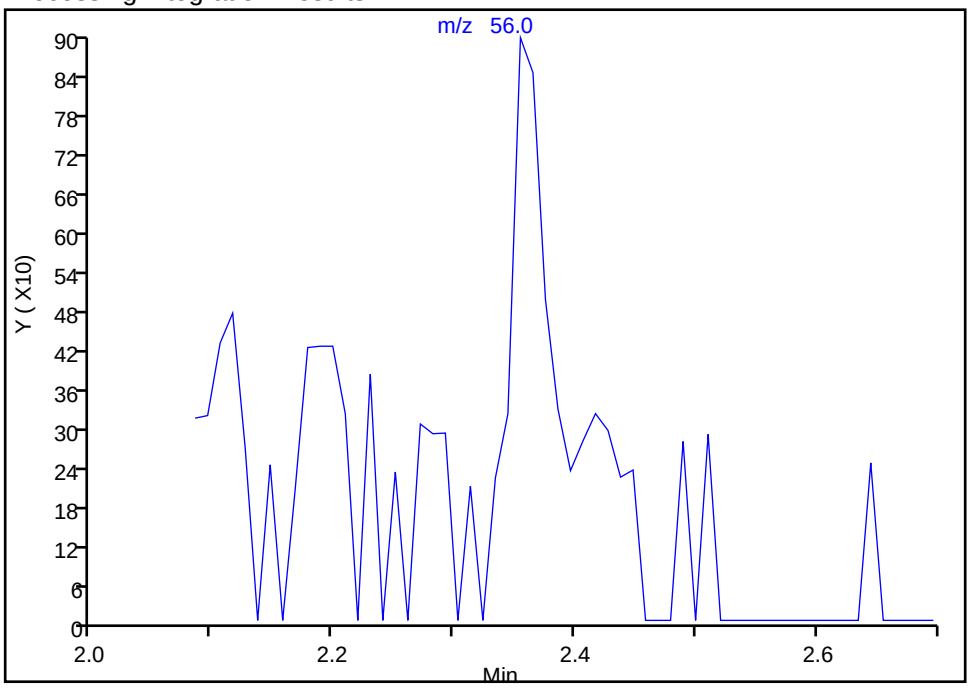
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4915.D
Injection Date: 31-Mar-2021 12:16:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

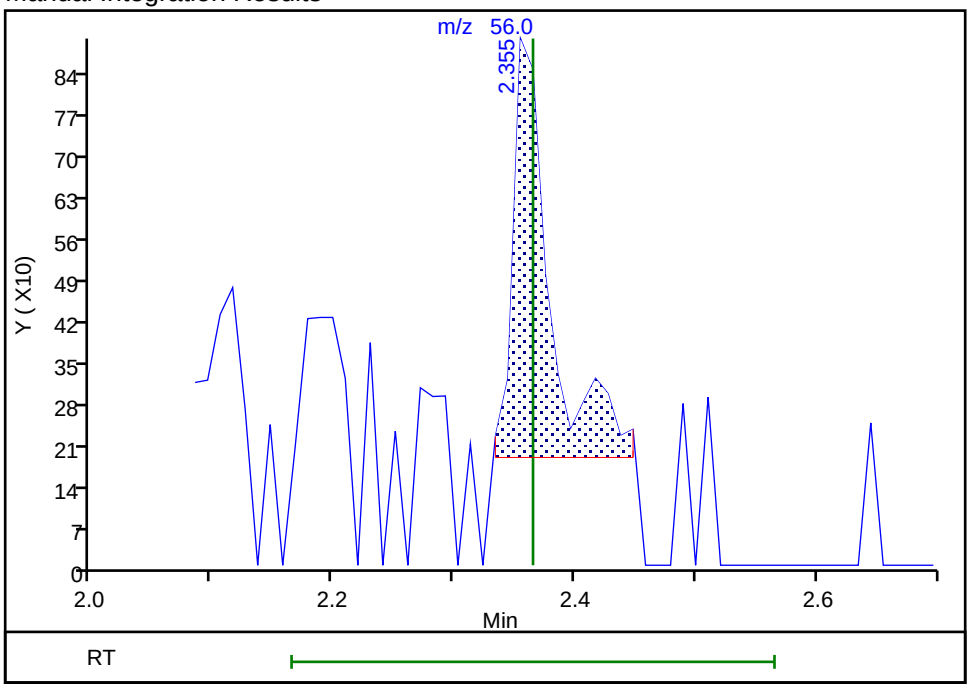
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.35
Area: 1535
Amount: 4.694134
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 16:37:14
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

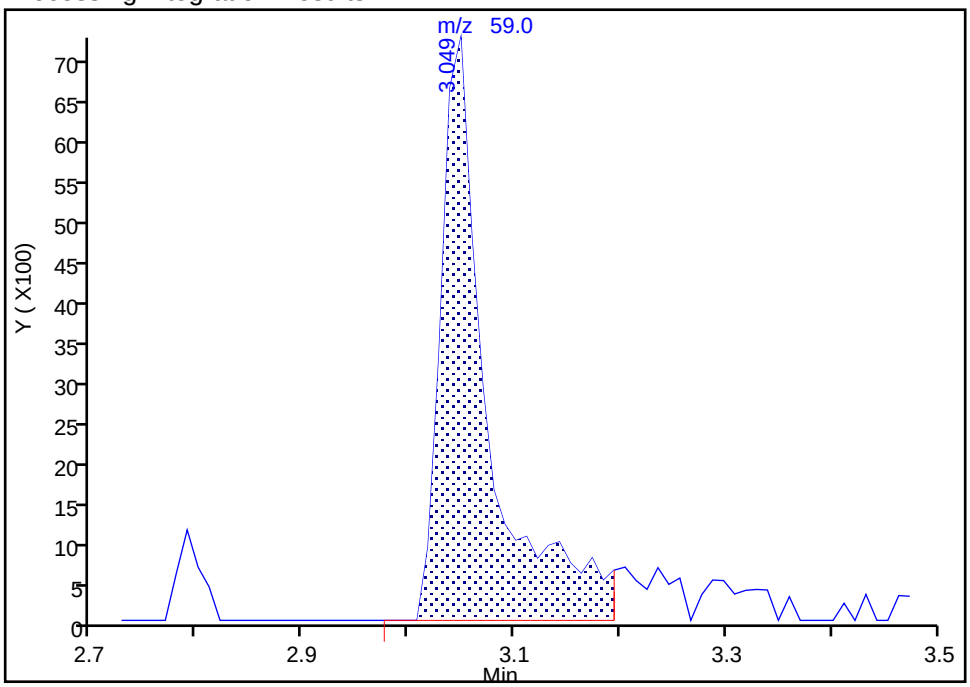
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Injection Date: 31-Mar-2021 12:16:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

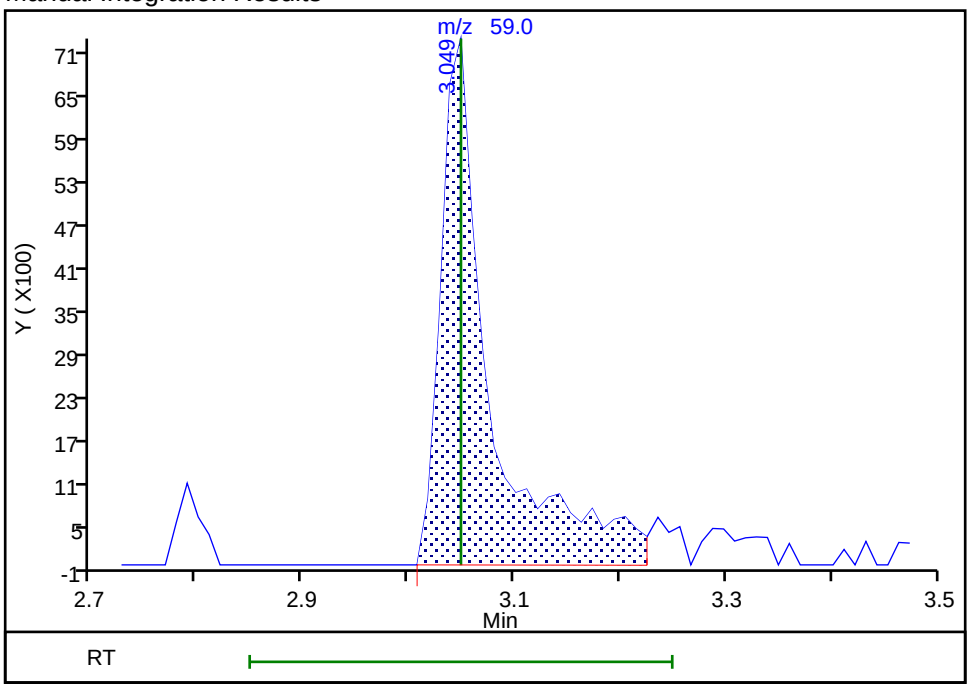
Processing Integration Results

RT: 3.05
Area: 22702
Amount: 13.178174
Amount Units: ug/L



Manual Integration Results

RT: 3.05
Area: 23697
Amount: 8.894374
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 16:26:09
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

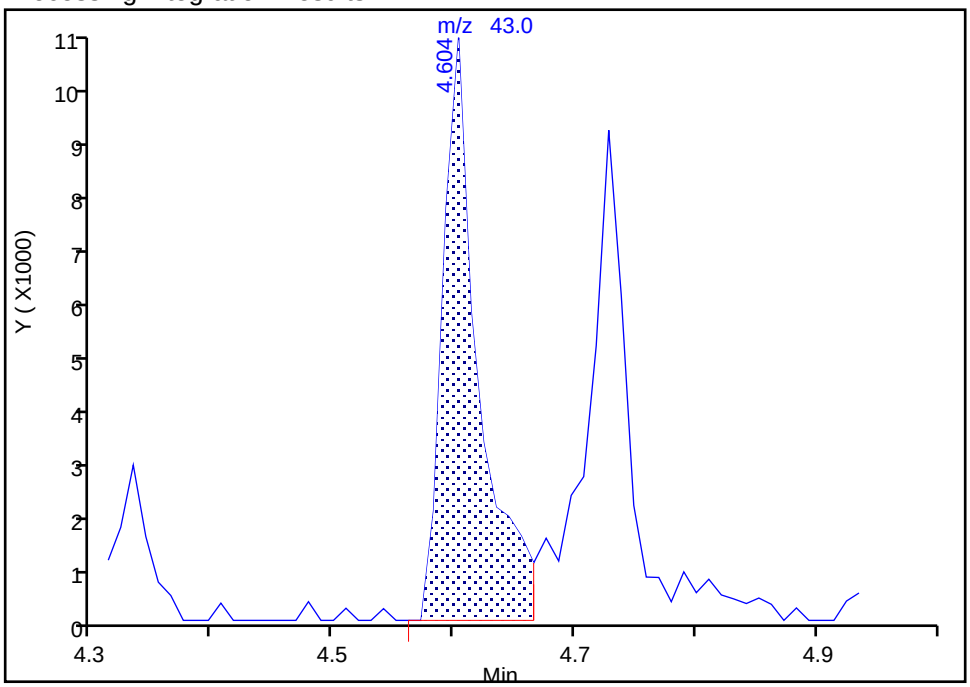
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Injection Date: 31-Mar-2021 12:16:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

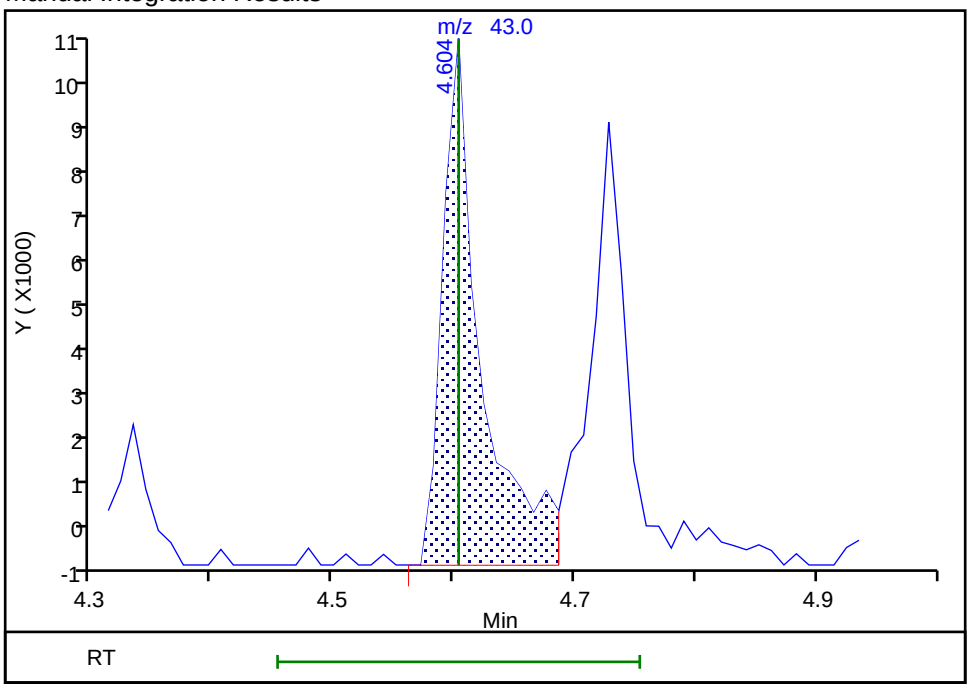
Processing Integration Results

RT: 4.60
Area: 21188
Amount: 22.373668
Amount Units: ug/L



Manual Integration Results

RT: 4.60
Area: 22766
Amount: 22.787915
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 16:29:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

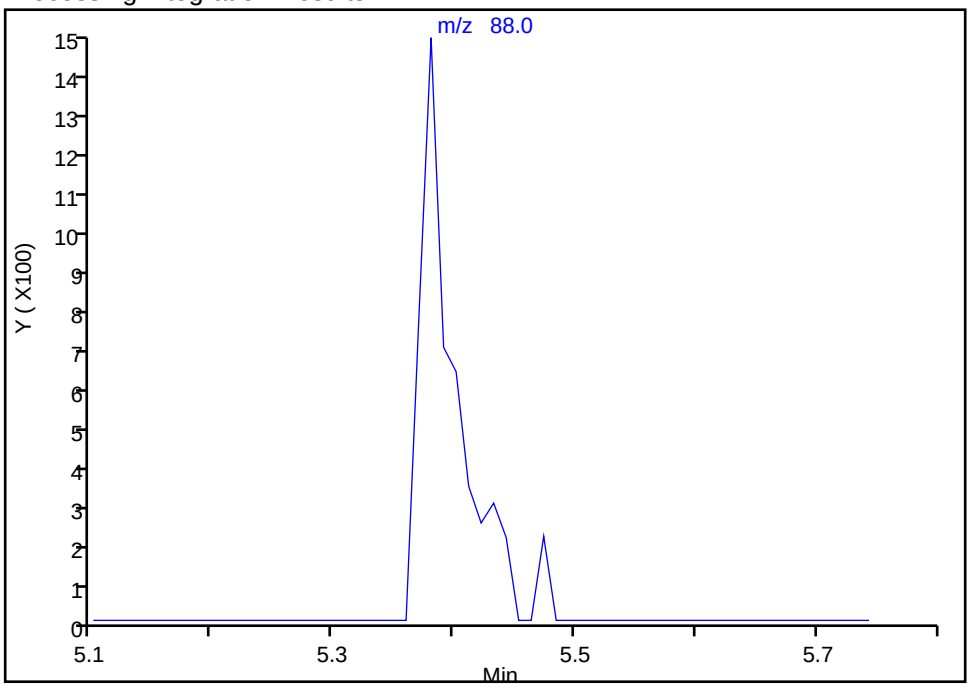
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Injection Date: 31-Mar-2021 12:16:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

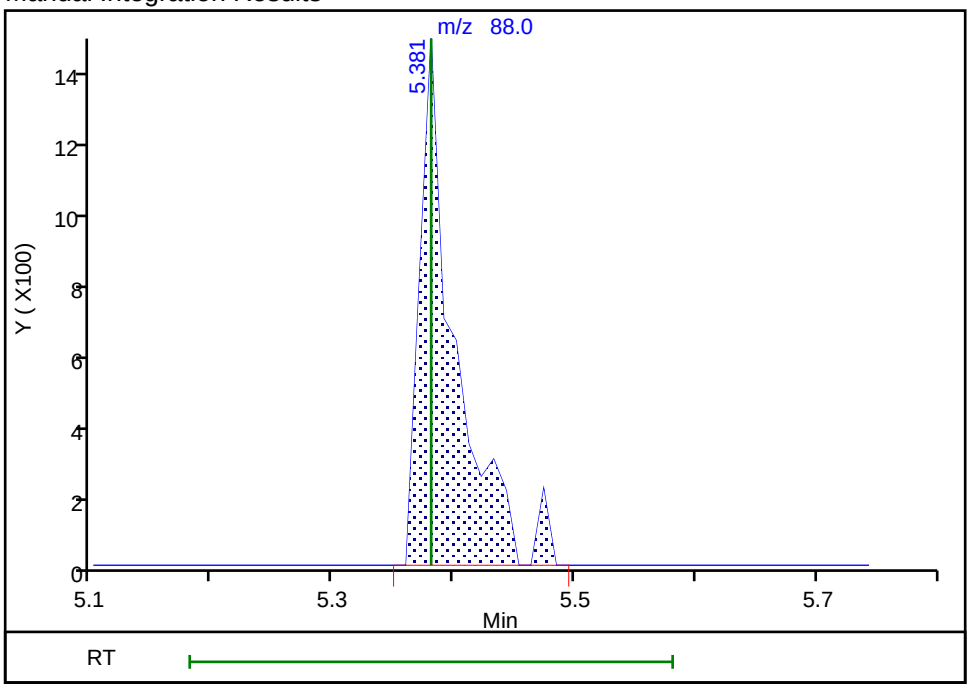
Not Detected
Expected RT: 5.38

Processing Integration Results



Manual Integration Results

RT: 5.38
Area: 2875
Amount: 17.542600
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:57:59
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

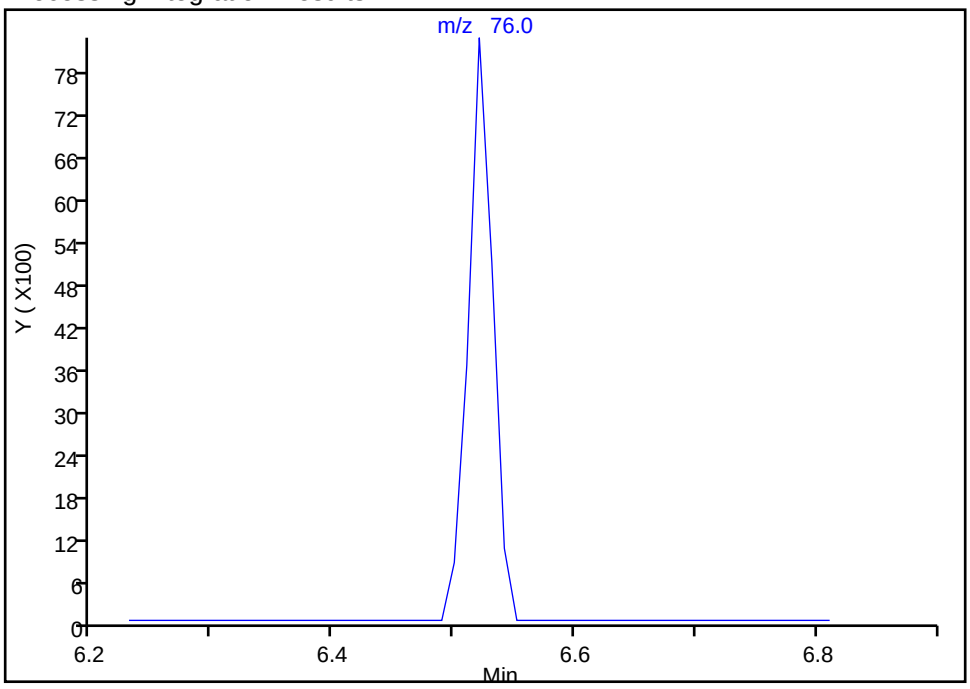
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Injection Date: 31-Mar-2021 12:16:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

82 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

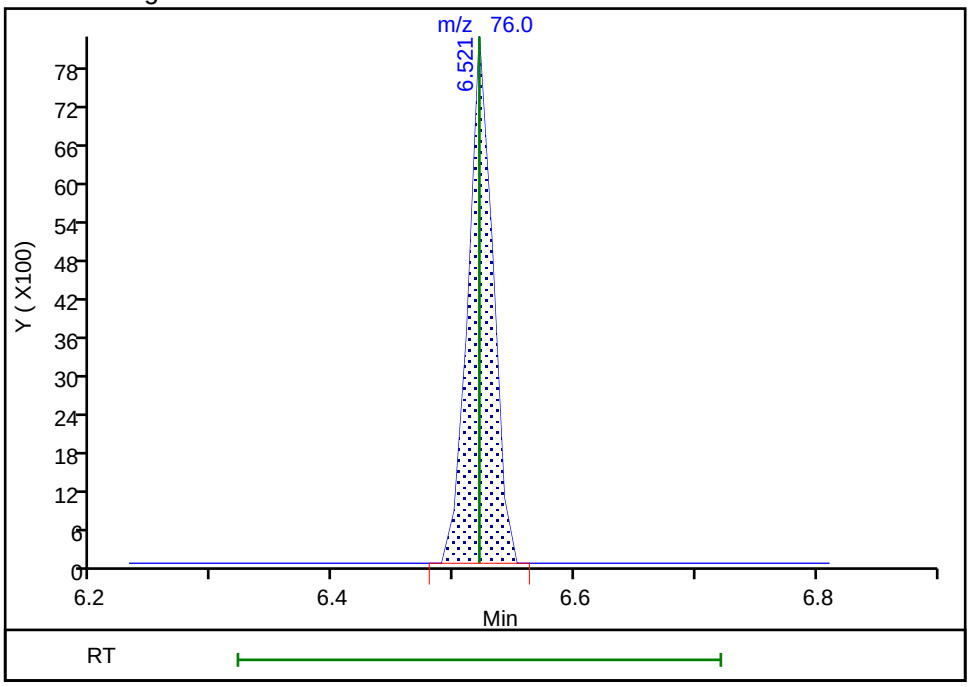
Not Detected
Expected RT: 6.52

Processing Integration Results



Manual Integration Results

RT: 6.52
Area: 11678
Amount: 0.971347
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 08:58:06
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4916.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 31-Mar-2021 12:40:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0097516-007
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Apr-2021 17:03:41 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: farrellr Date: 01-Apr-2021 09:09:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	172455	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	310062	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	312666	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	230810	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.593	-0.010	97	140312	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	742160	25.0	25.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.055	-0.001	90	210713	25.0	25.1	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	22199	2.00	1.92	
12 Chloromethane	50	1.236	1.236	0.000	99	27235	2.00	2.02	
13 Vinyl chloride	62	1.318	1.319	-0.001	97	24538	2.00	2.06	
151 Butadiene	54	1.339	1.339	0.000	93	26431	2.00	2.08	
14 Bromomethane	94	1.609	1.598	0.011	89	13109	2.00	1.99	M
15 Chloroethane	64	1.692	1.681	0.011	97	13078	2.00	1.98	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	95	31124	2.00	1.93	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	75	26156	2.00	1.97	
18 Ethyl ether	59	2.189	2.189	0.000	96	17264	2.00	1.95	
20 Acrolein	56	2.355	2.365	-0.010	98	3431	10.0	10.8	M
21 112TCTFE	101	2.386	2.386	0.000	93	14105	2.00	1.87	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	98	14836	2.00	1.91	
23 Acetone	43	2.510	2.510	0.000	97	51296	10.0	9.75	
25 Iodomethane	142	2.541	2.541	0.000	98	27329	2.00	1.91	
26 Carbon disulfide	76	2.583	2.573	0.011	99	50185	2.00	1.89	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	93	29102	2.00	1.93	
27 Methyl acetate	43	2.790	2.790	0.000	98	44435	4.00	3.55	
30 Methylene Chloride	84	2.883	2.883	0.000	97	22382	2.00	1.78	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	97	42919	20.0	16.6	M
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	99	53293	2.00	1.88	
34 trans-1,2-Dichloroethene	96	3.091	3.091	0.000	98	18528	2.00	1.94	
33 Acrylonitrile	53	3.142	3.142	0.000	99	139414	20.0	20.5	
35 Hexane	57	3.267	3.267	0.000	93	24624	2.00	1.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.464	0.000	96	29767	2.00	1.84	
37 Vinyl acetate	43	3.515	3.516	-0.001	97	92958	4.00	3.77	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	90	19864	2.00	1.96	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	84	19654	2.00	2.01	
43 2-Butanone (MEK)	43	3.971	3.972	-0.001	100	84768	10.0	10.3	
48 Chlorobromomethane	128	4.137	4.148	-0.011	98	9832	2.00	1.84	
49 Tetrahydrofuran	42	4.158	4.158	0.000	93	24671	4.00	4.06	
50 Chloroform	83	4.210	4.210	0.000	94	33245	2.00	2.05	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	95	22834	2.00	1.82	
52 Cyclohexane	56	4.303	4.303	0.000	91	29008	2.00	1.78	
55 Carbon tetrachloride	117	4.417	4.417	0.000	95	16378	2.00	1.67	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	90	20675	2.00	1.81	
57 Benzene	78	4.593	4.593	0.000	67	66301	2.00	1.95	
53 Isobutyl alcohol	43	4.604	4.604	0.000	90	40819	50.0	42.0	M
58 1,2-Dichloroethane	62	4.645	4.645	0.000	95	24861	2.00	1.88	
59 n-Heptane	43	4.728	4.728	0.000	94	34076	2.00	2.12	
62 Trichloroethene	95	5.080	5.080	0.000	95	18032	2.00	2.04	
64 Methylcyclohexane	83	5.174	5.174	0.000	94	24485	2.00	1.65	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	93	16916	2.00	1.98	
66 1,4-Dioxane	88	5.381	5.381	0.000	42	6422	40.0	39.7	
67 Dibromomethane	93	5.381	5.381	0.000	94	11391	2.00	1.90	
68 Dichlorobromomethane	83	5.495	5.495	0.000	98	20949	2.00	2.06	
69 2-Chloroethyl vinyl ether	63	5.712	5.702	0.010	93	10898	2.00	1.83	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	93	23617	2.00	1.92	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	158255	10.0	10.5	
74 Toluene	92	6.044	6.044	0.000	98	36951	2.00	1.98	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	92	19264	2.00	1.80	
75 Ethyl methacrylate	69	6.272	6.272	0.000	89	21388	2.00	1.96	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	91	12478	2.00	2.06	
81 Tetrachloroethene	166	6.448	6.448	0.000	94	15416	2.00	1.91	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	92	23867	2.00	2.01	
80 2-Hexanone	43	6.562	6.562	0.000	98	96981	10.0	9.90	
83 Chlorodibromomethane	129	6.707	6.707	0.000	87	12456	2.00	1.91	
84 Ethylene Dibromide	107	6.790	6.790	0.000	100	14949	2.00	1.92	
87 Chlorobenzene	112	7.142	7.143	-0.001	96	43026	2.00	2.11	
88 Ethylbenzene	91	7.205	7.205	0.000	98	67949	2.00	1.96	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	90	13593	2.00	1.85	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	98	27993	2.00	2.02	
91 o-Xylene	106	7.609	7.609	0.000	97	27633	2.00	1.90	
92 Styrene	104	7.630	7.630	0.000	95	43480	2.00	1.92	
95 Bromoform	173	7.826	7.827	-0.001	93	6902	2.00	1.66	
94 Isopropylbenzene	105	7.889	7.889	0.000	95	69272	2.00	1.85	
101 Bromobenzene	156	8.168	8.179	-0.011	93	17245	2.00	1.94	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.200	0.000	94	22855	2.00	1.94	
99 N-Propylbenzene	91	8.220	8.220	0.000	98	79619	2.00	1.79	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	89	8073	2.00	1.93	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	73	6825	2.00	1.72	
103 2-Chlorotoluene	126	8.314	8.314	0.000	97	18011	2.00	1.97	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	93	61488	2.00	1.85	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	17577	2.00	1.95	
106 tert-Butylbenzene	134	8.624	8.625	0.000	93	11820	2.00	1.69	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	61492	2.00	1.80	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.801	0.000	94	70835	2.00	1.70	
111 1,3-Dichlorobenzene	146	8.935	8.925	0.010	97	36670	2.00	2.02	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	63672	2.00	1.75	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	93	36564	2.00	1.98	
115 n-Butylbenzene	91	9.257	9.257	0.000	97	57536	2.00	1.75	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	36598	2.00	1.99	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	83	5021	2.00	1.62	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	24993	2.00	1.75	
120 Hexachlorobutadiene	225	10.738	10.739	-0.001	92	10126	2.00	1.70	
121 Naphthalene	128	10.842	10.842	0.000	97	96482	2.00	1.86	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	26207	2.00	1.86	a
S 123 Total BTEX	1				0			9.81	
S 124 Xylenes, Total	1				0			3.93	
S 125 1,2-Dichloroethene, Total	1				0			3.96	
S 126 1,3-Dichloropropene, Total	1				0			3.72	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00205	Amount Added:	2.00	Units: uL	
GAS CORP mix_00448	Amount Added:	2.00	Units: uL	
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent

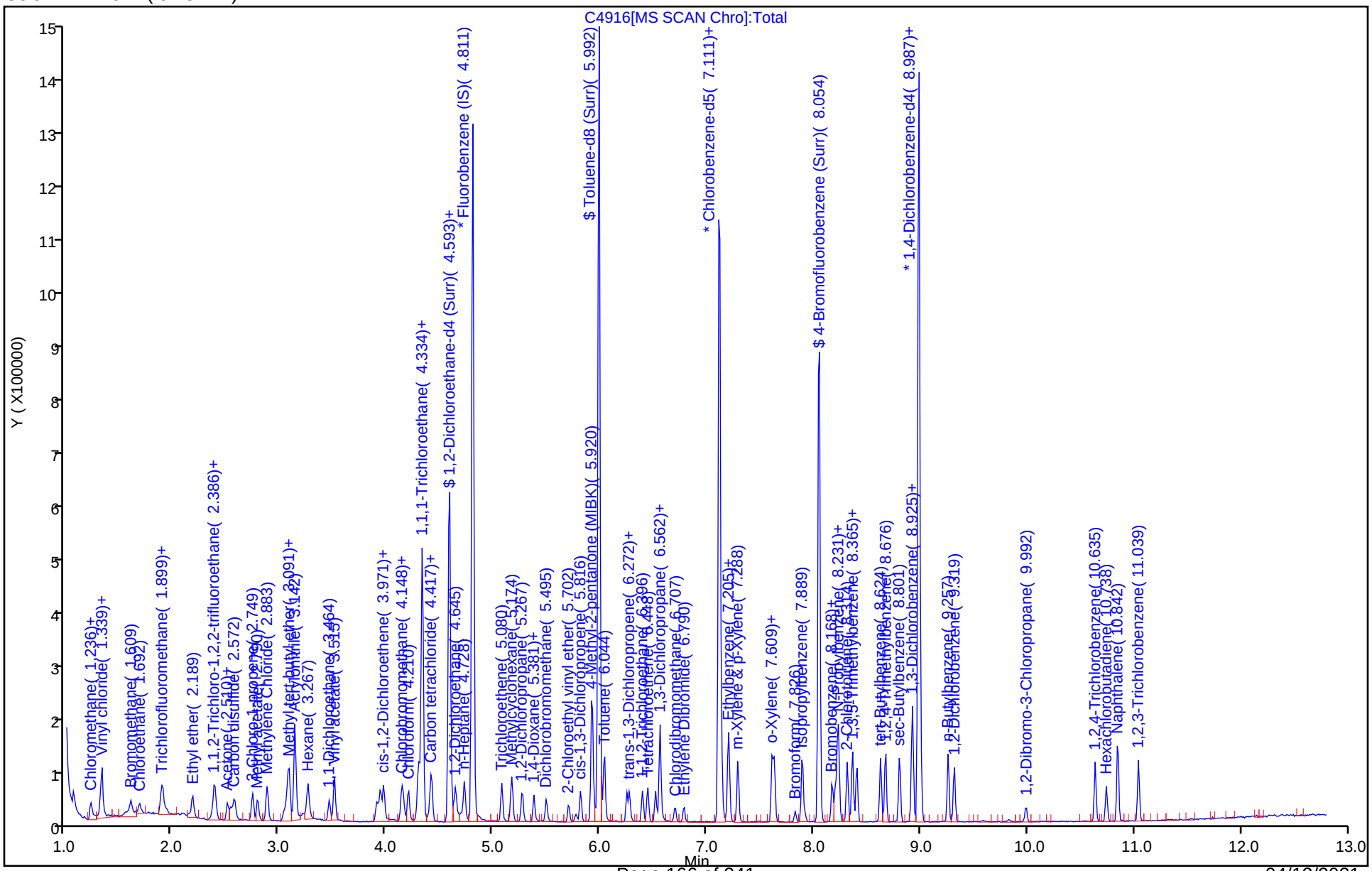
Report Date: 01-Apr-2021 17:03:43 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4916.D

Injection Date:	31-Mar-2021 12:40:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

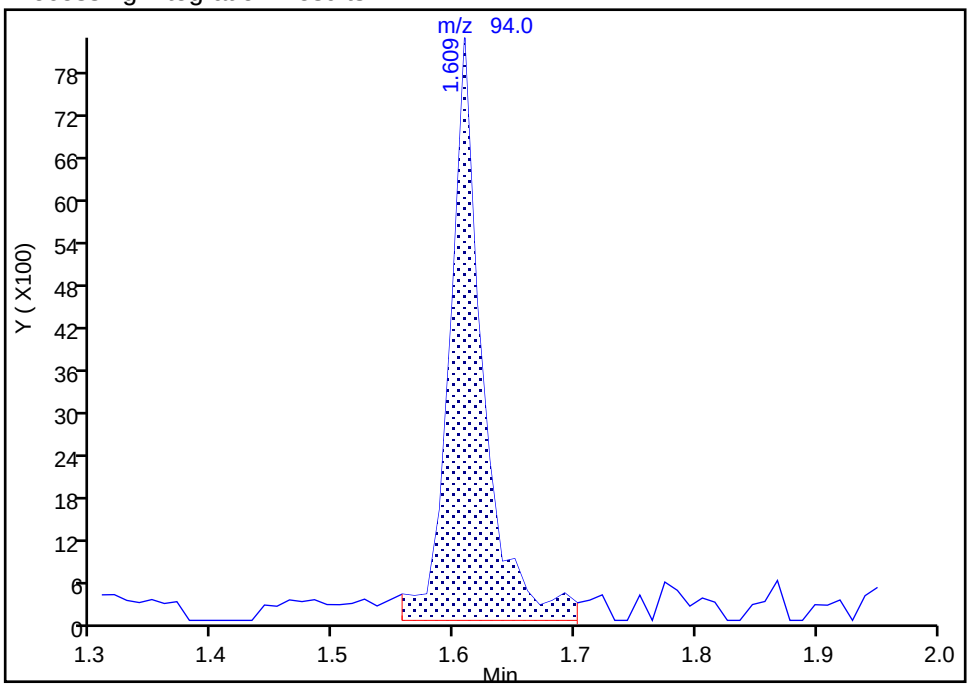
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Injection Date: 31-Mar-2021 12:40:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

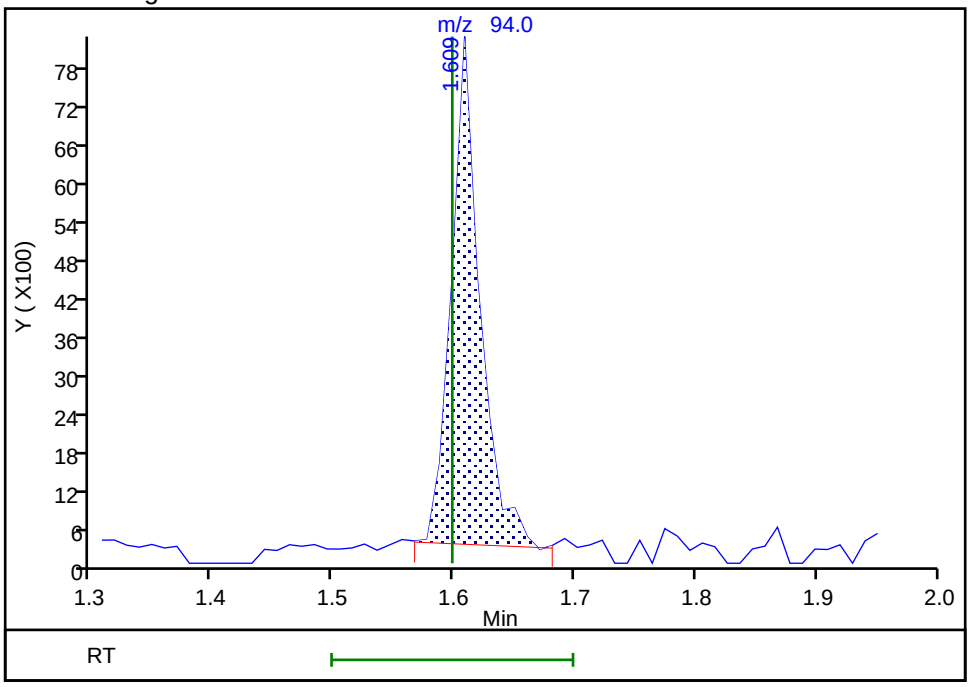
Processing Integration Results

RT: 1.61
Area: 15867
Amount: 2.366692
Amount Units: ug/L



Manual Integration Results

RT: 1.61
Area: 13109
Amount: 1.987467
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 11:35:19
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

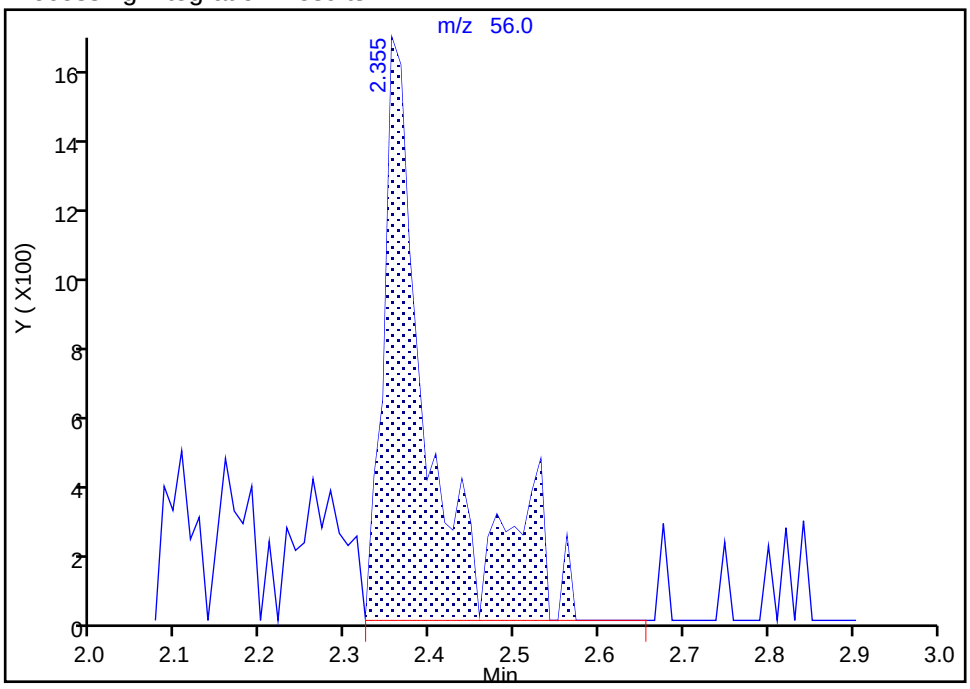
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Injection Date: 31-Mar-2021 12:40:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

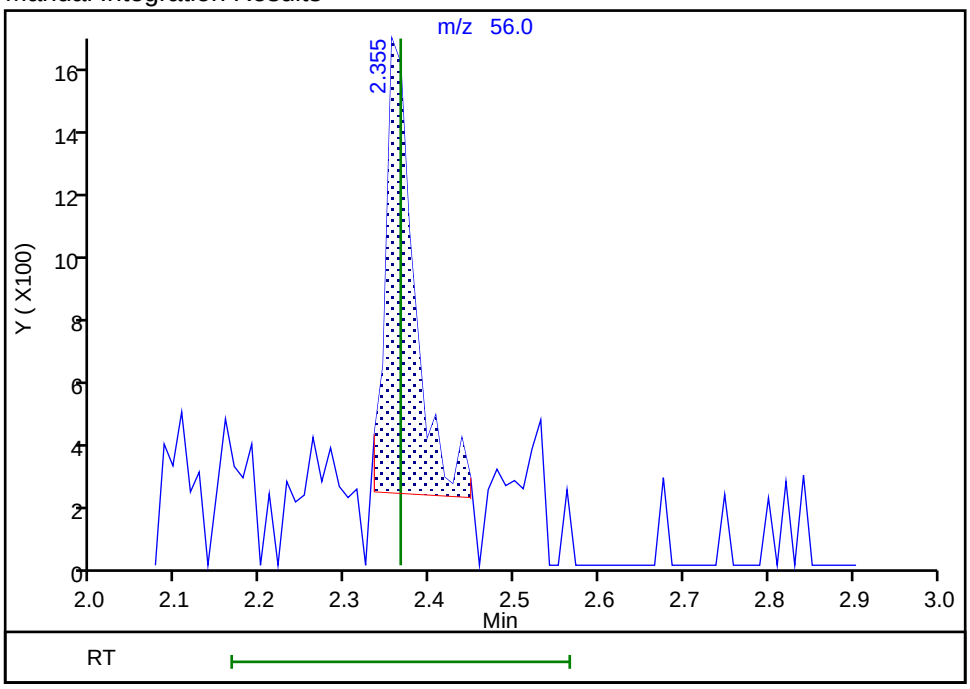
Processing Integration Results

RT: 2.35
Area: 6582
Amount: 15.984414
Amount Units: ug/L



Manual Integration Results

RT: 2.35
Area: 3431
Amount: 10.796189
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 16:37:37
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

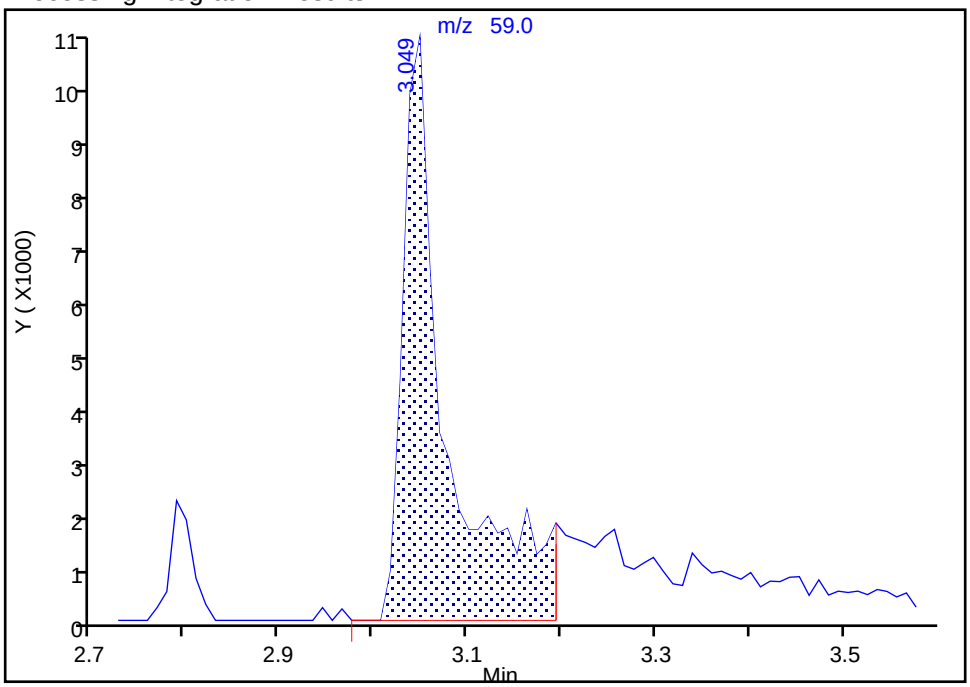
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Injection Date: 31-Mar-2021 12:40:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

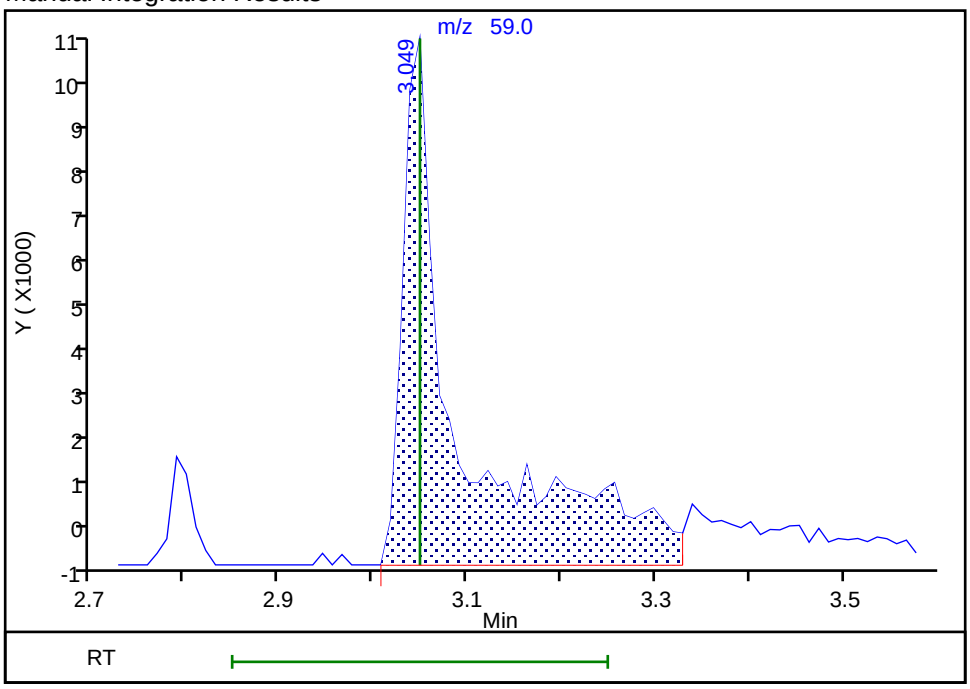
Processing Integration Results

RT: 3.05
Area: 33645
Amount: 13.802872
Amount Units: ug/L



Manual Integration Results

RT: 3.05
Area: 42919
Amount: 16.575792
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 16:26:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

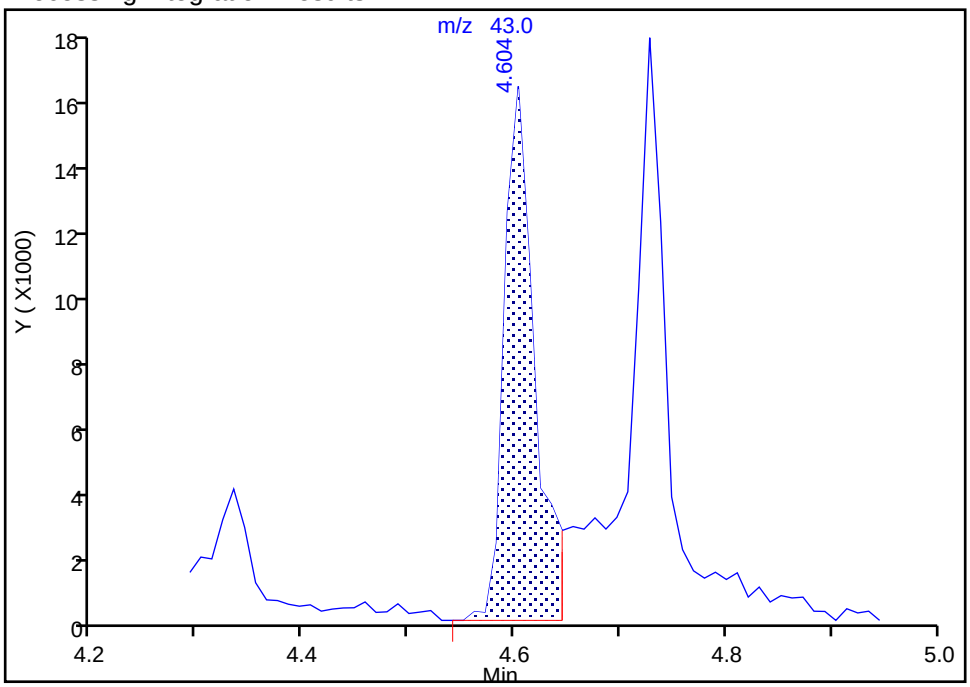
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Injection Date: 31-Mar-2021 12:40:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

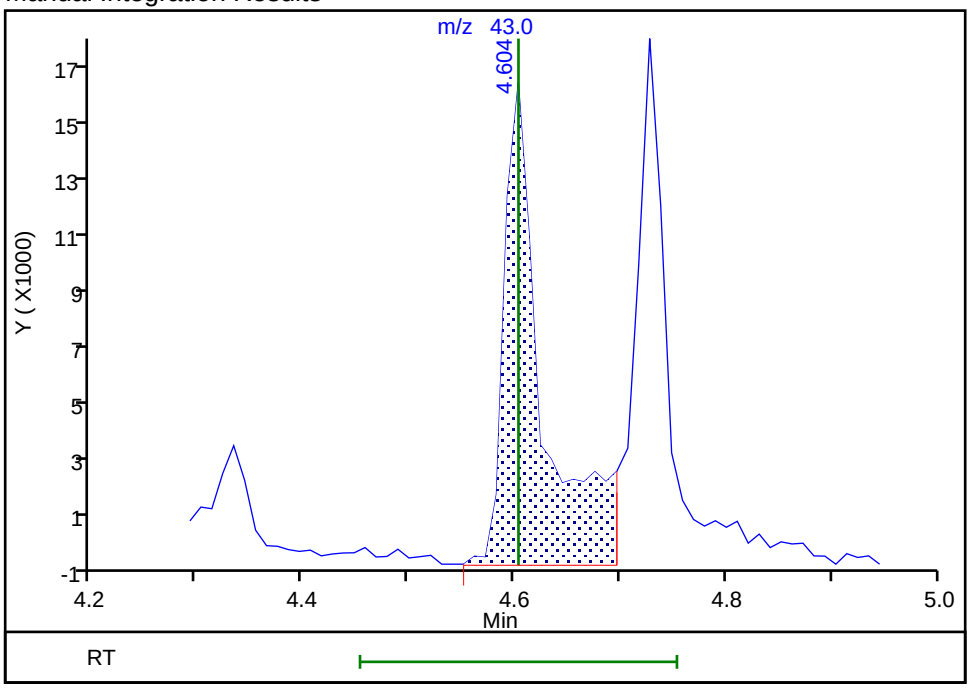
Processing Integration Results

RT: 4.60
Area: 31697
Amount: 34.155818
Amount Units: ug/L



Manual Integration Results

RT: 4.60
Area: 40819
Amount: 42.041952
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 16:30:01
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

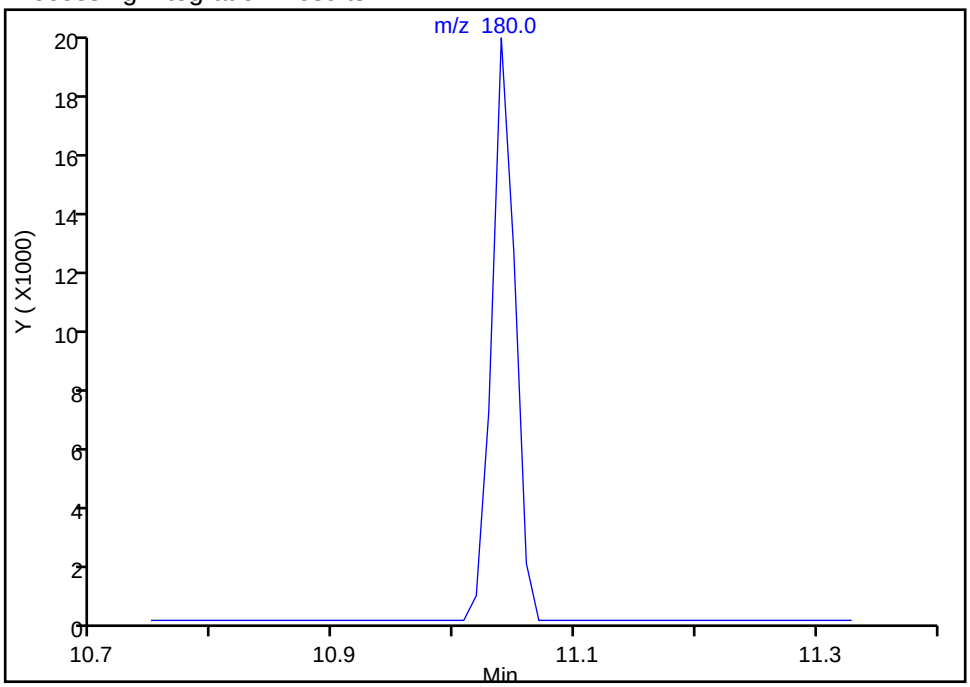
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Injection Date: 31-Mar-2021 12:40:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

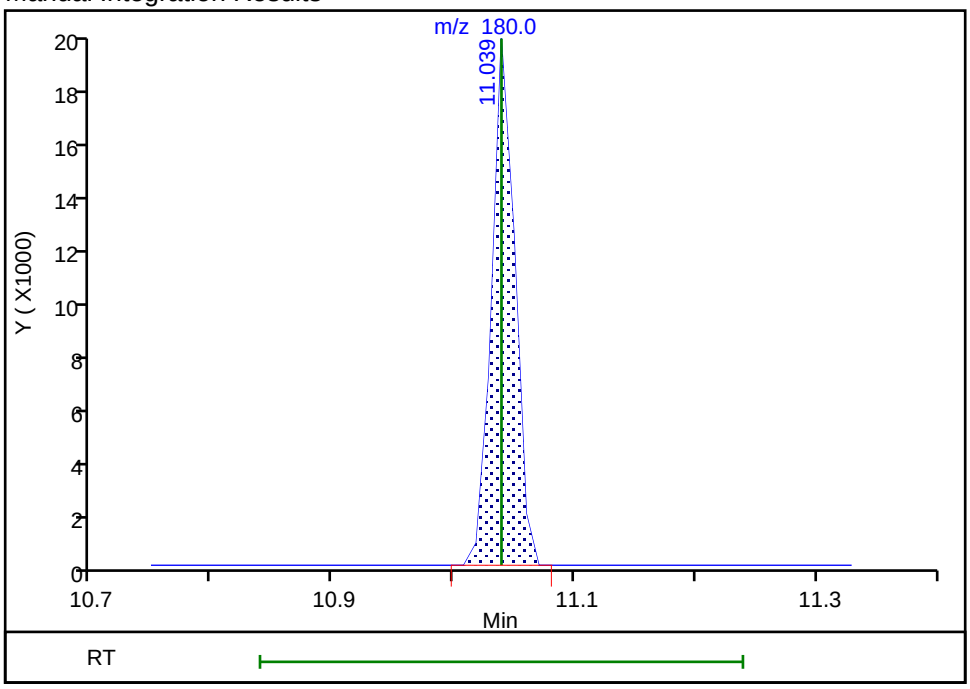
Not Detected
Expected RT: 11.04

Processing Integration Results



Manual Integration Results

RT: 11.04
Area: 26207
Amount: 1.857555
Amount Units: ug/L



Reviewer: farrellr, 01-Apr-2021 09:08:22
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4917.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 31-Mar-2021 13:05:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0097516-008
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Apr-2021 17:03:50 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: farrellr Date: 01-Apr-2021 09:10:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	175525	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	87	341580	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	96	367971	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	227560	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	96	141161	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	760193	25.0	23.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.055	0.000	90	218177	25.0	23.6	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	59661	5.00	5.08	
12 Chloromethane	50	1.236	1.236	0.000	98	68920	5.00	5.03	
13 Vinyl chloride	62	1.319	1.319	0.000	98	62046	5.00	5.13	
151 Butadiene	54	1.339	1.339	0.000	95	64685	5.00	5.00	
14 Bromomethane	94	1.598	1.598	0.000	91	31699	5.00	4.72	M
15 Chloroethane	64	1.681	1.681	0.000	98	29931	5.00	4.46	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	96	81700	5.00	4.99	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	69	66733	5.00	4.94	
18 Ethyl ether	59	2.189	2.189	0.000	97	45900	5.00	5.10	
20 Acrolein	56	2.365	2.365	0.000	94	9622	25.0	29.7	M
21 112TCTFE	101	2.386	2.386	0.000	93	42222	5.00	5.49	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	97	40658	5.00	5.15	
23 Acetone	43	2.510	2.510	0.000	99	149573	25.0	27.9	
25 Iodomethane	142	2.541	2.541	0.000	99	76020	5.00	5.23	
26 Carbon disulfide	76	2.572	2.572	0.000	99	135549	5.00	5.01	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	88	76023	5.00	4.94	
27 Methyl acetate	43	2.790	2.790	0.000	98	134804	10.0	10.6	
30 Methylene Chloride	84	2.883	2.883	0.000	98	54164	5.00	5.06	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	99	144351	50.0	54.8	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	99	147138	5.00	5.11	
34 trans-1,2-Dichloroethene	96	3.091	3.091	0.000	97	49324	5.00	5.08	
33 Acrylonitrile	53	3.142	3.142	0.000	99	360280	50.0	52.1	
35 Hexane	57	3.267	3.267	0.000	93	69786	5.00	5.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.464	0.000	96	88130	5.00	5.35	
37 Vinyl acetate	43	3.516	3.516	0.000	97	266024	10.0	10.6	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	93	51585	5.00	5.00	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	81	52805	5.00	5.32	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	100	223797	25.0	26.7	
48 Chlorobromomethane	128	4.137	4.137	0.000	96	27403	5.00	5.05	
49 Tetrahydrofuran	42	4.158	4.158	0.000	92	69068	10.0	11.2	
50 Chloroform	83	4.210	4.210	0.000	94	84262	5.00	5.10	
51 1,1,1-Trichloroethane	97	4.293	4.293	0.000	98	65688	5.00	5.15	
52 Cyclohexane	56	4.303	4.303	0.000	93	90550	5.00	5.45	
55 Carbon tetrachloride	117	4.407	4.407	0.000	95	50783	5.00	5.08	
54 1,1-Dichloropropene	75	4.417	4.417	0.000	92	59489	5.00	5.12	
57 Benzene	78	4.593	4.593	0.000	97	181205	5.00	5.24	
53 Isobutyl alcohol	43	4.604	4.604	0.000	93	135925	125.0	137.5	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	69638	5.00	5.18	
59 n-Heptane	43	4.728	4.728	0.000	96	76696	5.00	4.68	
62 Trichloroethene	95	5.080	5.080	0.000	94	46245	5.00	5.13	
64 Methylcyclohexane	83	5.174	5.174	0.000	92	81234	5.00	5.38	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	94	45207	5.00	5.19	
66 1,4-Dioxane	88	5.381	5.381	0.000	52	21347	100.0	119.8	
67 Dibromomethane	93	5.381	5.381	0.000	94	31762	5.00	5.21	
68 Dichlorobromomethane	83	5.495	5.495	0.000	98	52783	5.00	5.10	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	93	31669	5.00	5.21	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	92	62133	5.00	4.96	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	412588	25.0	24.9	
74 Toluene	92	6.044	6.044	0.000	97	104618	5.00	5.09	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	95	54281	5.00	4.61	
75 Ethyl methacrylate	69	6.272	6.272	0.000	92	61782	5.00	5.13	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	92	33827	5.00	5.08	
81 Tetrachloroethene	166	6.448	6.448	0.000	93	42878	5.00	4.81	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	94	67030	5.00	5.13	
80 2-Hexanone	43	6.562	6.562	0.000	98	287864	25.0	26.7	
83 Chlorodibromomethane	129	6.697	6.697	0.000	89	35921	5.00	5.01	
84 Ethylene Dibromide	107	6.780	6.780	0.000	96	44371	5.00	5.18	
87 Chlorobenzene	112	7.143	7.143	0.000	94	112430	5.00	5.01	
88 Ethylbenzene	91	7.205	7.205	0.000	98	195002	5.00	5.10	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	92	37700	5.00	4.66	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	96	76951	5.00	5.05	
91 o-Xylene	106	7.609	7.609	0.000	96	78556	5.00	4.91	
92 Styrene	104	7.630	7.630	0.000	95	124183	5.00	4.99	
95 Bromoform	173	7.827	7.827	0.000	95	20656	5.00	4.52	
94 Isopropylbenzene	105	7.889	7.889	0.000	96	210962	5.00	4.78	
101 Bromobenzene	156	8.169	8.169	0.000	97	49957	5.00	4.78	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.200	0.000	95	64831	5.00	4.67	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	241781	5.00	4.63	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	89	22025	5.00	4.47	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	78	22310	5.00	4.79	
103 2-Chlorotoluene	126	8.314	8.314	0.000	96	48792	5.00	4.53	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	95	173989	5.00	4.44	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	50211	5.00	4.74	
106 tert-Butylbenzene	134	8.624	8.624	0.000	93	37161	5.00	4.51	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	183316	5.00	4.56	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.801	0.000	94	230075	5.00	4.69	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	102718	5.00	4.80	
110 4-Isopropyltoluene	119	8.915	8.915	0.000	98	198847	5.00	4.63	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	93	102888	5.00	4.73	
115 n-Butylbenzene	91	9.257	9.257	0.000	98	182655	5.00	4.71	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	106421	5.00	4.91	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	81	15628	5.00	4.29	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	80452	5.00	4.79	
120 Hexachlorobutadiene	225	10.739	10.739	0.000	96	34179	5.00	4.88	
121 Naphthalene	128	10.842	10.842	0.000	97	291898	5.00	4.78	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	80525	5.00	4.85	
S 123 Total BTEX	1				0			25.4	
S 124 Xylenes, Total	1				0			9.96	
S 125 1,2-Dichloroethene, Total	1				0			10.4	
S 126 1,3-Dichloropropene, Total	1				0			9.58	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00205	Amount Added:	5.00	Units: uL	
GAS CORP mix_00448	Amount Added:	5.00	Units: uL	
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent

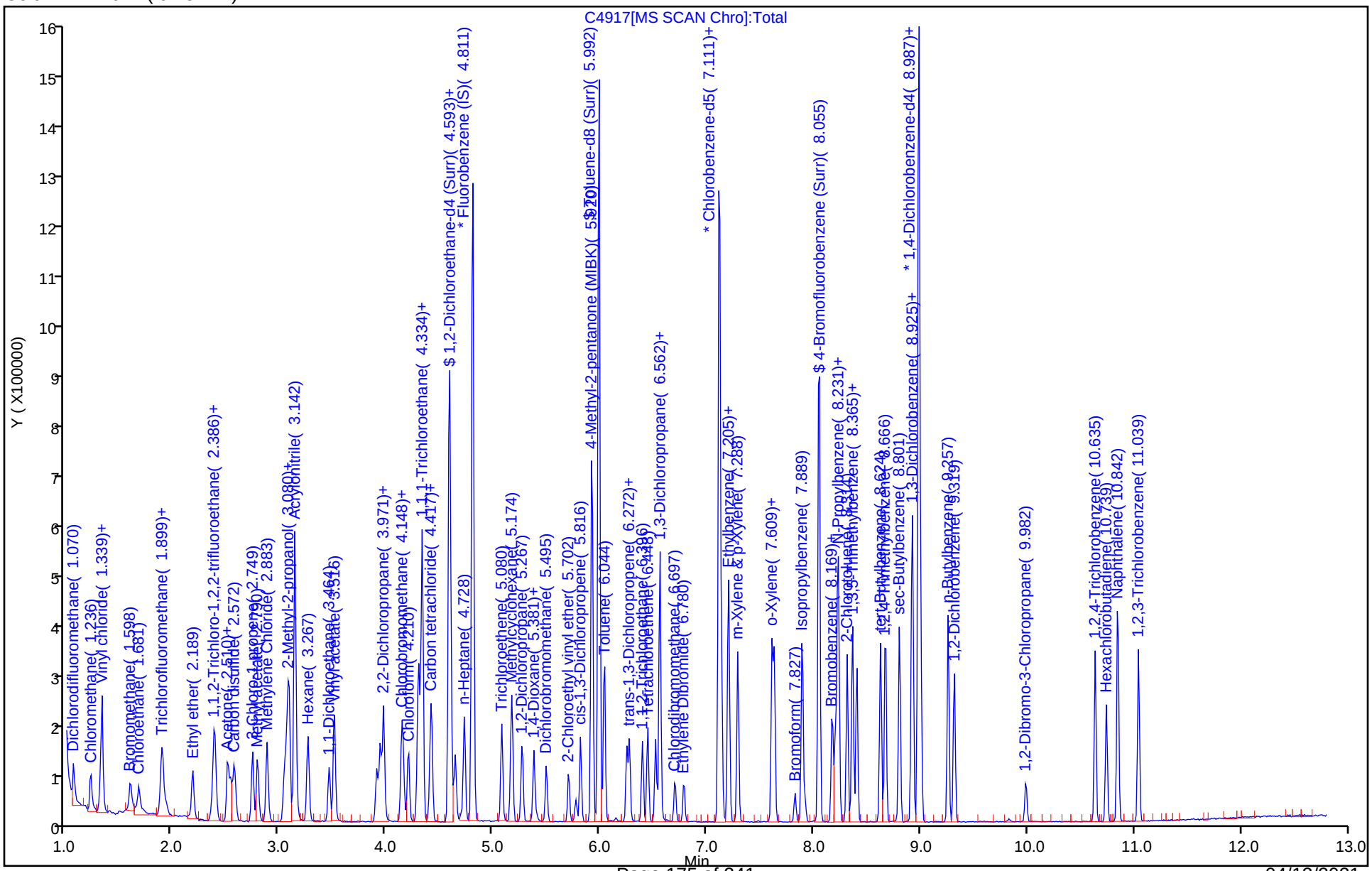
Report Date: 01-Apr-2021 17:03:53 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4917.D

Injection Date:	31-Mar-2021 13:05:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

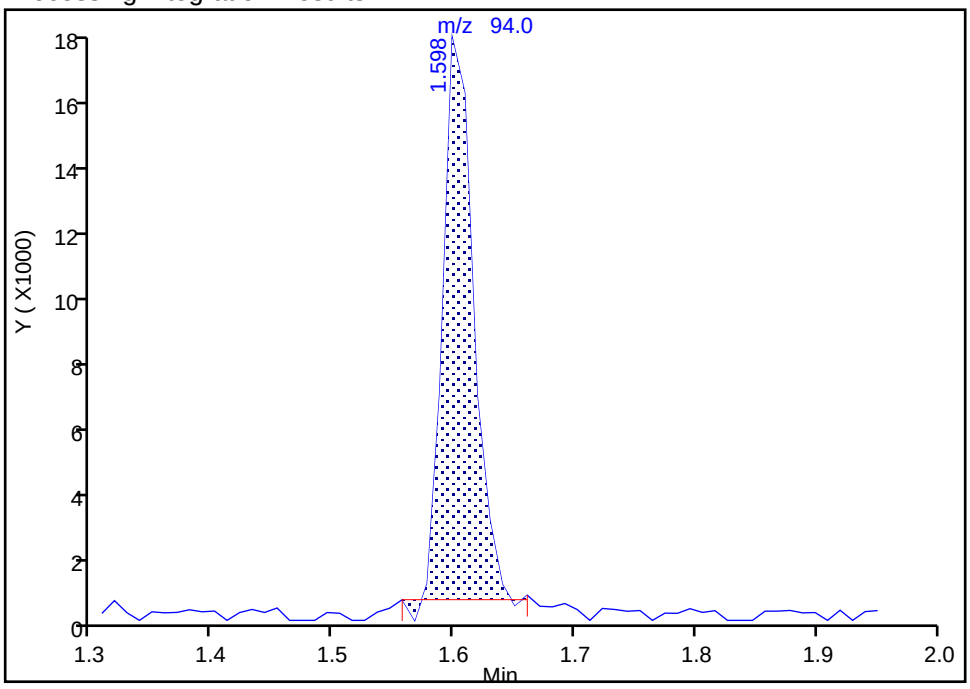
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Injection Date: 31-Mar-2021 13:05:30 Instrument ID: HP5973C
Lims ID: IC 3
Client ID:
Operator ID: RF ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

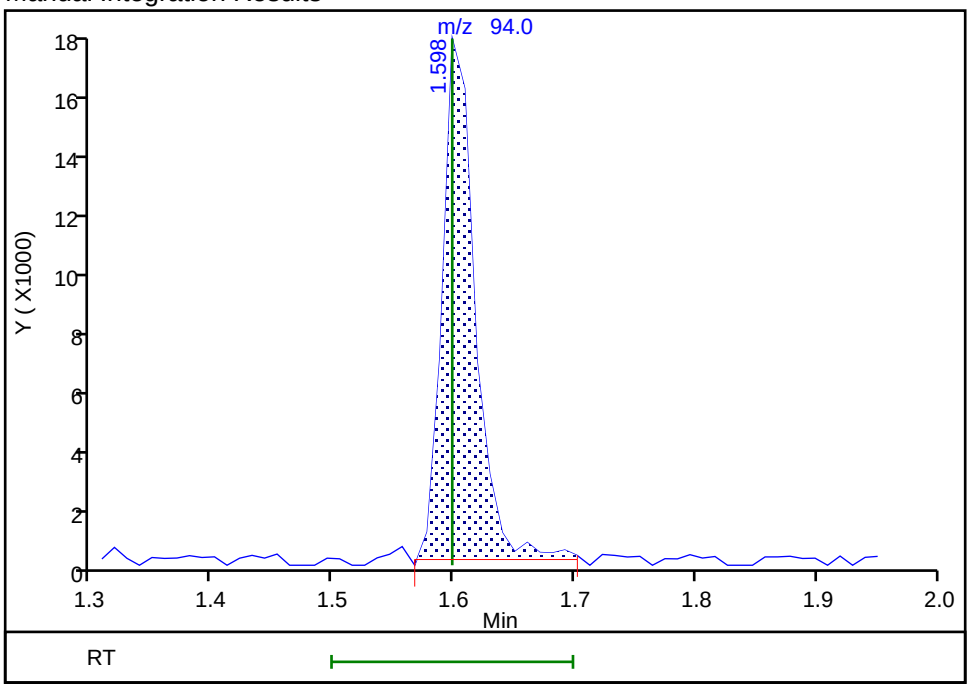
Processing Integration Results

RT: 1.60
Area: 28545
Amount: 4.309892
Amount Units: ug/L



Manual Integration Results

RT: 1.60
Area: 31699
Amount: 4.721856
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 11:35:54
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

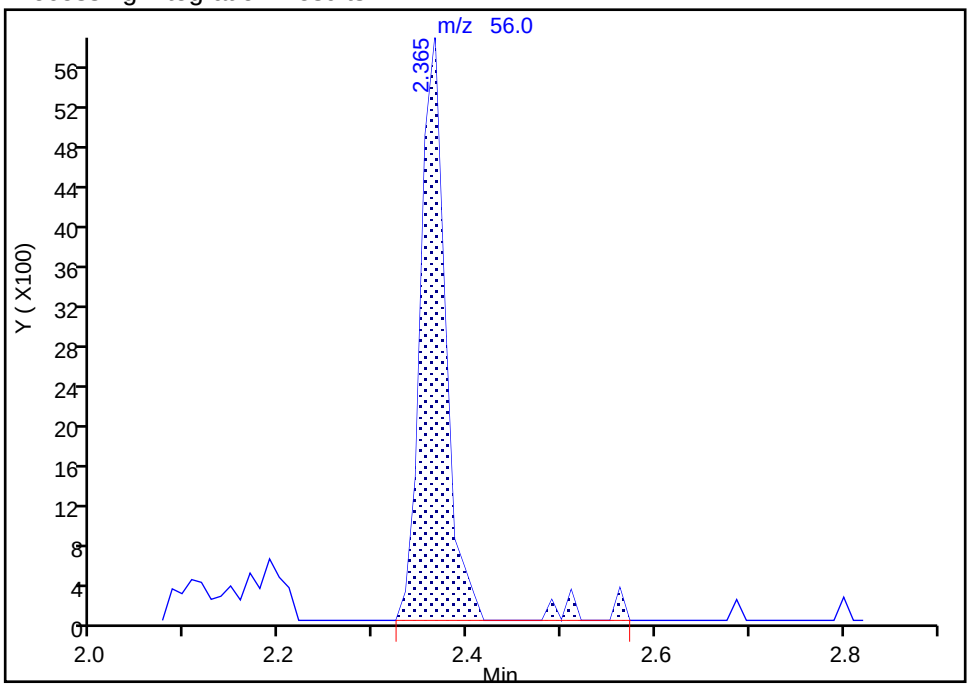
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4917.D
Injection Date: 31-Mar-2021 13:05:30 Instrument ID: HP5973C
Lims ID: IC 3
Client ID:
Operator ID: RF ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

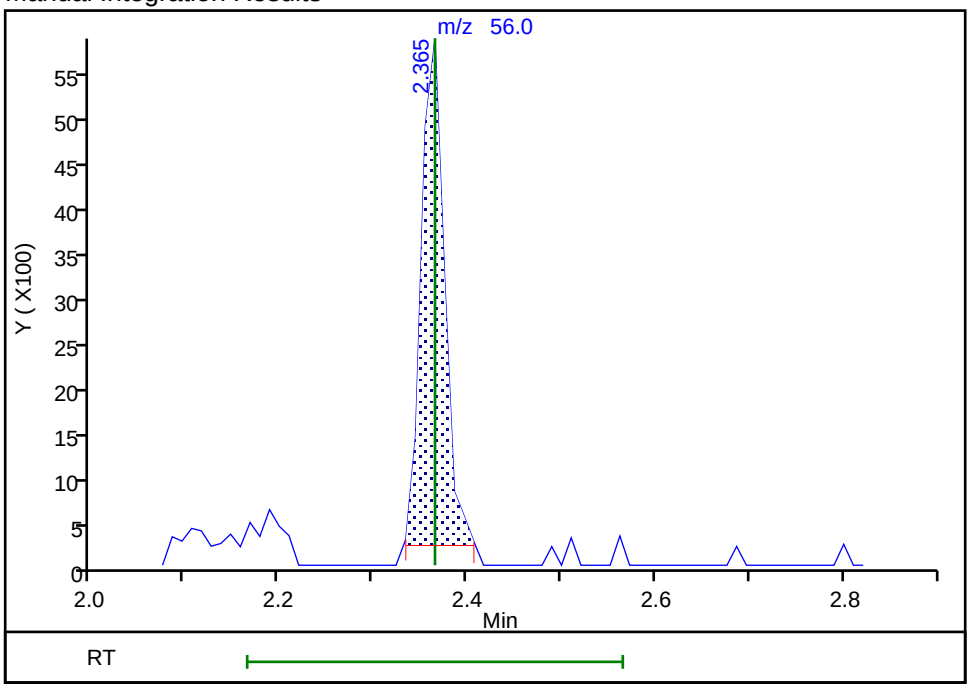
Processing Integration Results

RT: 2.37
Area: 11232
Amount: 29.020783
Amount Units: ug/L



Manual Integration Results

RT: 2.37
Area: 9622
Amount: 29.747598
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 16:38:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4918.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 31-Mar-2021 13:28:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0097516-009
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Apr-2021 17:03:57 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: farrellr Date: 01-Apr-2021 09:11:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	181098	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	87	323135	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	96	304830	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	229891	25.0	24.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	95	139488	25.0	24.2	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	775368	25.0	25.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.055	-0.001	89	218142	25.0	24.9	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	117646	10.0	9.70	
12 Chloromethane	50	1.236	1.236	0.000	99	139667	10.0	9.89	
13 Vinyl chloride	62	1.318	1.319	-0.001	98	116248	10.0	9.31	
151 Butadiene	54	1.339	1.339	0.000	92	124213	10.0	9.30	
14 Bromomethane	94	1.609	1.598	0.011	90	69541	10.0	10.0	
15 Chloroethane	64	1.692	1.681	0.011	99	69468	10.0	10.0	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	96	153661	10.0	9.09	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	73	137959	10.0	9.89	
18 Ethyl ether	59	2.189	2.189	0.000	94	86318	10.0	9.30	
20 Acrolein	56	2.365	2.365	0.000	98	16868	50.0	50.5	M
21 112TCTFE	101	2.386	2.386	0.000	93	85914	10.0	10.8	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	96	82201	10.0	10.1	
23 Acetone	43	2.510	2.510	0.000	99	169906	50.0	30.7	
25 Iodomethane	142	2.541	2.541	0.000	99	150330	10.0	10.0	
26 Carbon disulfide	76	2.572	2.572	0.000	100	288412	10.0	10.3	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	90	159830	10.0	10.1	
27 Methyl acetate	43	2.790	2.790	0.000	98	211809	20.0	16.1	
30 Methylene Chloride	84	2.883	2.883	0.000	97	100047	10.0	9.54	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	99	240360	100.0	88.4	M
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	95	288110	10.0	9.70	
34 trans-1,2-Dichloroethene	96	3.091	3.091	-0.001	97	99928	10.0	9.97	
33 Acrylonitrile	53	3.142	3.142	0.000	97	737807	100.0	103.4	
35 Hexane	57	3.267	3.267	0.000	94	152174	10.0	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.464	0.000	96	172728	10.0	10.2	
37 Vinyl acetate	43	3.515	3.516	-0.001	97	490633	20.0	18.9	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	93	107665	10.0	10.1	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	80	102365	10.0	10.0	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	99	387566	50.0	44.7	
48 Chlorobromomethane	128	4.148	4.137	0.011	97	54766	10.0	9.78	
49 Tetrahydrofuran	42	4.158	4.158	0.000	90	101291	20.0	15.9	
50 Chloroform	83	4.210	4.210	0.000	94	160107	10.0	9.39	
51 1,1,1-Trichloroethane	97	4.303	4.293	0.010	97	134631	10.0	10.2	
52 Cyclohexane	56	4.303	4.303	0.000	93	183335	10.0	10.7	
55 Carbon tetrachloride	117	4.417	4.407	0.010	96	105346	10.0	10.2	
54 1,1-Dichloropropene	75	4.427	4.417	0.010	93	127968	10.0	10.7	
57 Benzene	78	4.593	4.593	0.000	95	363263	10.0	10.2	
53 Isobutyl alcohol	43	4.604	4.604	0.000	93	209022	250.0	205.0	M
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	136116	10.0	9.81	
59 n-Heptane	43	4.728	4.728	0.000	95	200591	10.0	11.9	
62 Trichloroethene	95	5.080	5.080	0.000	96	95604	10.0	10.3	
64 Methylcyclohexane	83	5.173	5.174	-0.001	94	167189	10.0	10.7	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	94	91066	10.0	10.1	
66 1,4-Dioxane	88	5.381	5.381	0.000	42	29636	200.0	175.8	
67 Dibromomethane	93	5.381	5.381	0.000	96	63262	10.0	10.0	
68 Dichlorobromomethane	83	5.495	5.495	0.000	99	104087	10.0	9.74	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	93	63544	10.0	10.1	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	94	132288	10.0	10.2	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	836095	50.0	53.3	
74 Toluene	92	6.044	6.044	0.000	98	206071	10.0	10.6	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	93	115838	10.0	10.4	
75 Ethyl methacrylate	69	6.272	6.272	0.000	92	119027	10.0	10.5	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	89	63826	10.0	10.1	
81 Tetrachloroethene	166	6.448	6.448	0.000	94	84821	10.0	10.1	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	95	127372	10.0	10.3	
80 2-Hexanone	43	6.562	6.562	0.000	99	533435	50.0	52.3	
83 Chlorodibromomethane	129	6.697	6.697	0.000	90	70415	10.0	10.4	
84 Ethylene Dibromide	107	6.790	6.780	0.010	98	85551	10.0	10.6	
87 Chlorobenzene	112	7.142	7.143	-0.001	96	229234	10.0	10.8	
88 Ethylbenzene	91	7.205	7.205	0.000	99	391851	10.0	10.8	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	91	82777	10.0	10.8	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	97	156062	10.0	10.8	
91 o-Xylene	106	7.609	7.609	0.000	97	160009	10.0	10.6	
92 Styrene	104	7.630	7.630	0.000	96	248741	10.0	10.6	
95 Bromoform	173	7.826	7.827	-0.001	96	43199	10.0	10.0	
94 Isopropylbenzene	105	7.889	7.889	0.000	95	422081	10.0	11.5	
101 Bromobenzene	156	8.168	8.169	0.000	97	94293	10.0	10.9	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.200	-0.001	95	128448	10.0	11.2	
99 N-Propylbenzene	91	8.220	8.220	0.000	98	474617	10.0	11.0	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	88	43938	10.0	10.8	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	74	42992	10.0	11.1	
103 2-Chlorotoluene	126	8.313	8.314	-0.001	96	97898	10.0	11.0	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	94	353768	10.0	10.9	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	96057	10.0	11.0	
106 tert-Butylbenzene	134	8.624	8.624	0.000	93	76105	10.0	11.1	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	368049	10.0	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.801	0.000	94	446978	10.0	11.0	
110 4-Isopropyltoluene	119	8.925	8.915	0.010	97	396220	10.0	11.1	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	188790	10.0	10.6	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	198009	10.0	11.0	
115 n-Butylbenzene	91	9.257	9.257	0.000	98	349128	10.0	10.9	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	96	188071	10.0	10.5	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	82	31006	10.0	10.3	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	94	148471	10.0	10.7	
120 Hexachlorobutadiene	225	10.738	10.739	-0.001	98	62293	10.0	10.7	
121 Naphthalene	128	10.842	10.842	0.000	97	525305	10.0	10.4	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	137987	10.0	10.0	
S 123 Total BTEX	1				0			53.0	
S 124 Xylenes, Total	1				0			21.4	
S 125 1,2-Dichloroethene, Total	1				0			20.0	
S 126 1,3-Dichloropropene, Total	1				0			20.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00205	Amount Added:	5.00	Units: uL	
GAS CORP mix_00448	Amount Added:	5.00	Units: uL	
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent

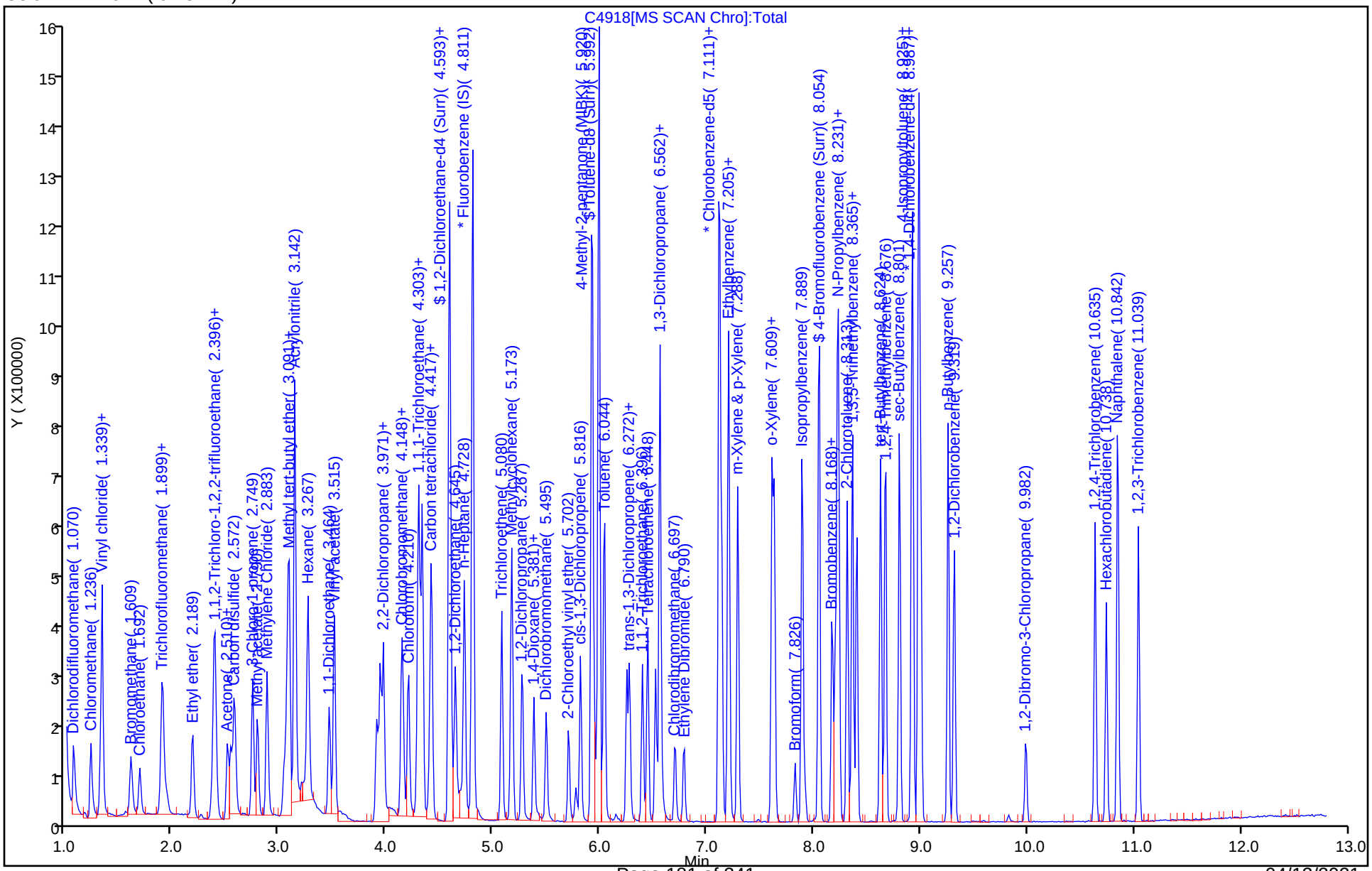
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Eurofins TestAmerica, Buffalo

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Injection Date:	31-Mar-2021 13:28:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC 4			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

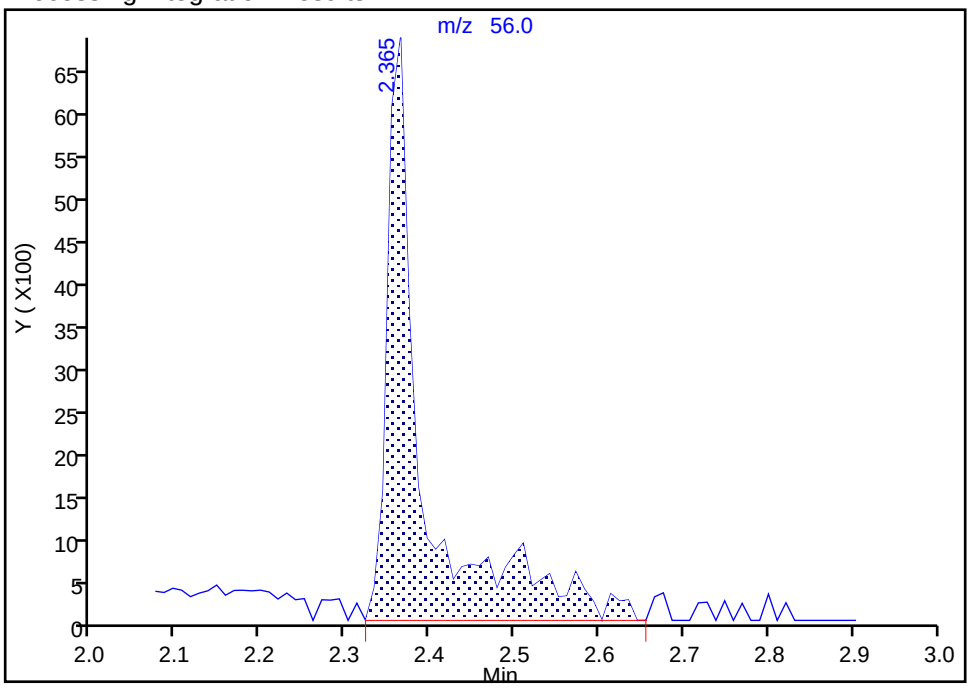
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Injection Date: 31-Mar-2021 13:28:30 Instrument ID: HP5973C
Lims ID: IC 4
Client ID:
Operator ID: RF ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

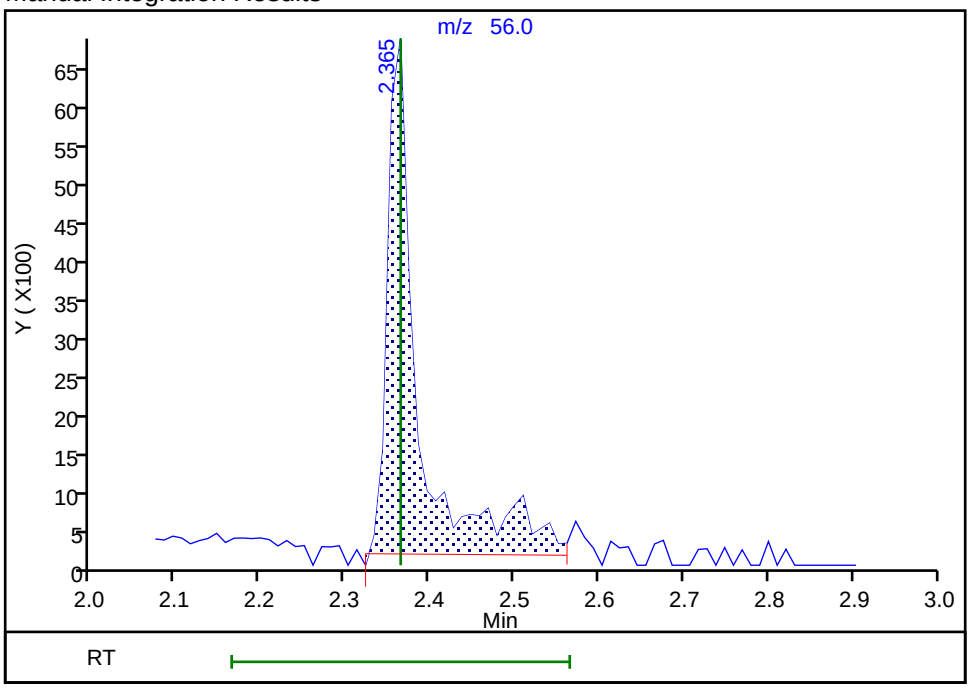
Processing Integration Results

RT: 2.37
Area: 20162
Amount: 58.758052
Amount Units: ug/L



Manual Integration Results

RT: 2.37
Area: 16868
Amount: 50.544683
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 16:38:29
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

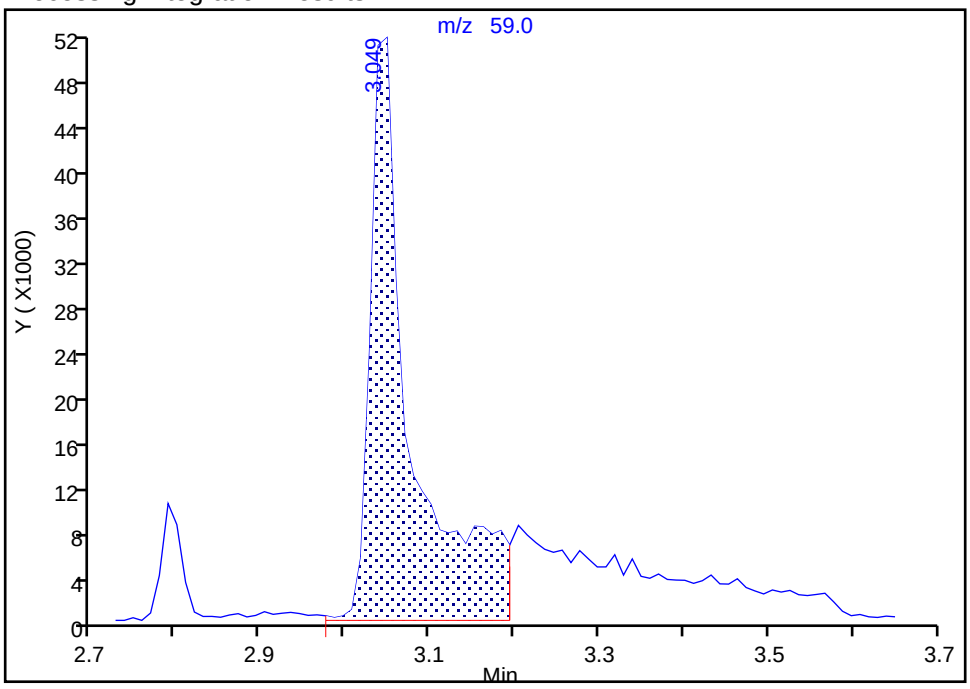
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Injection Date: 31-Mar-2021 13:28:30 Instrument ID: HP5973C
Lims ID: IC 4
Client ID:
Operator ID: RF ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

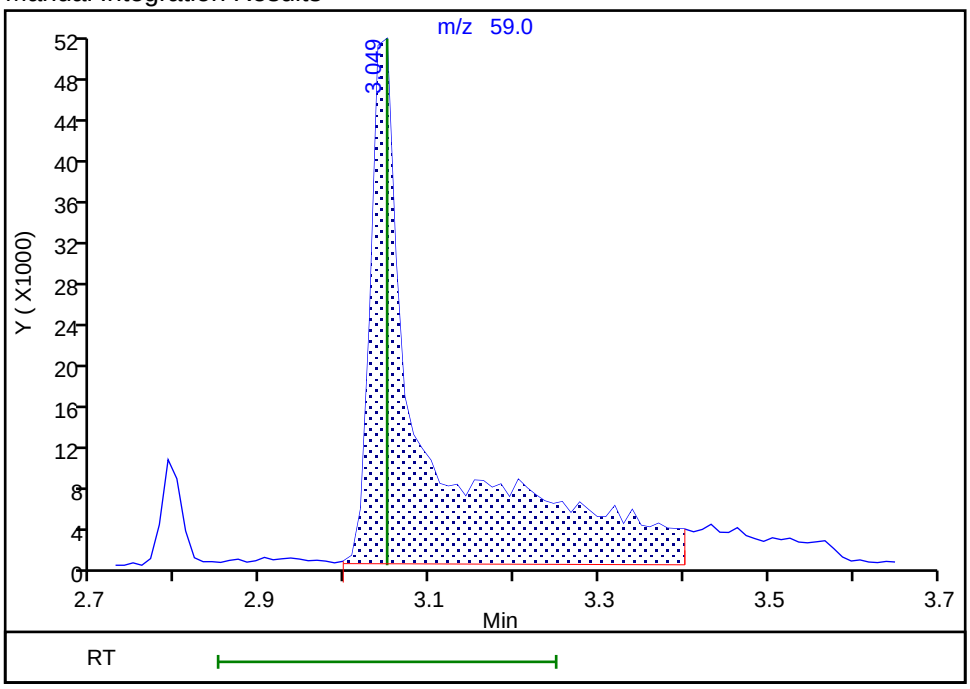
Processing Integration Results

RT: 3.05
Area: 177526
Amount: 67.519329
Amount Units: ug/L



Manual Integration Results

RT: 3.05
Area: 240360
Amount: 88.399342
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 16:27:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

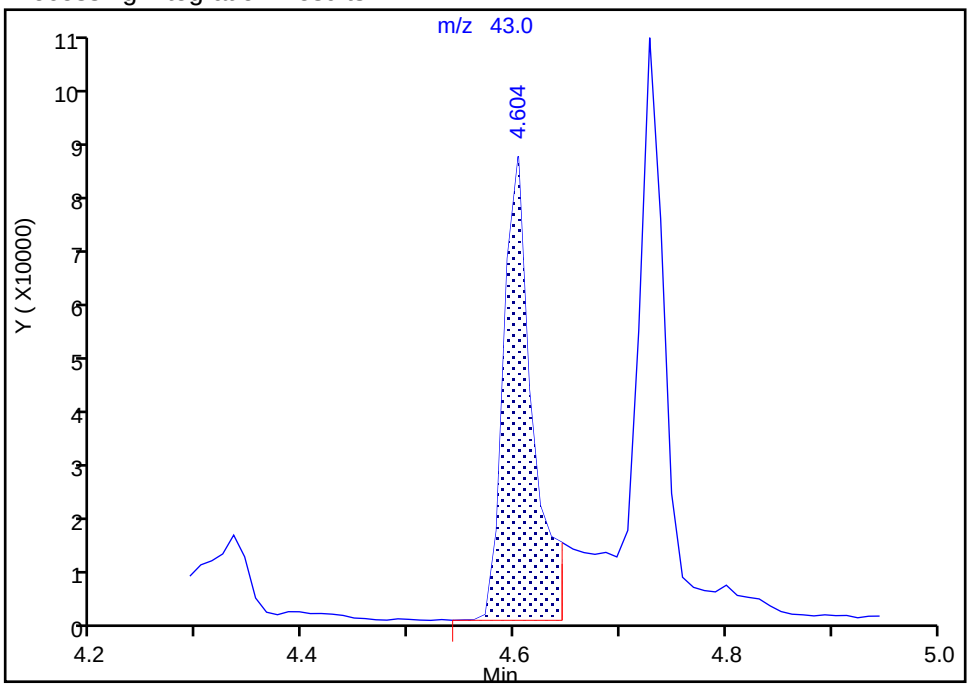
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Injection Date: 31-Mar-2021 13:28:30 Instrument ID: HP5973C
Lims ID: IC 4
Client ID:
Operator ID: RF ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

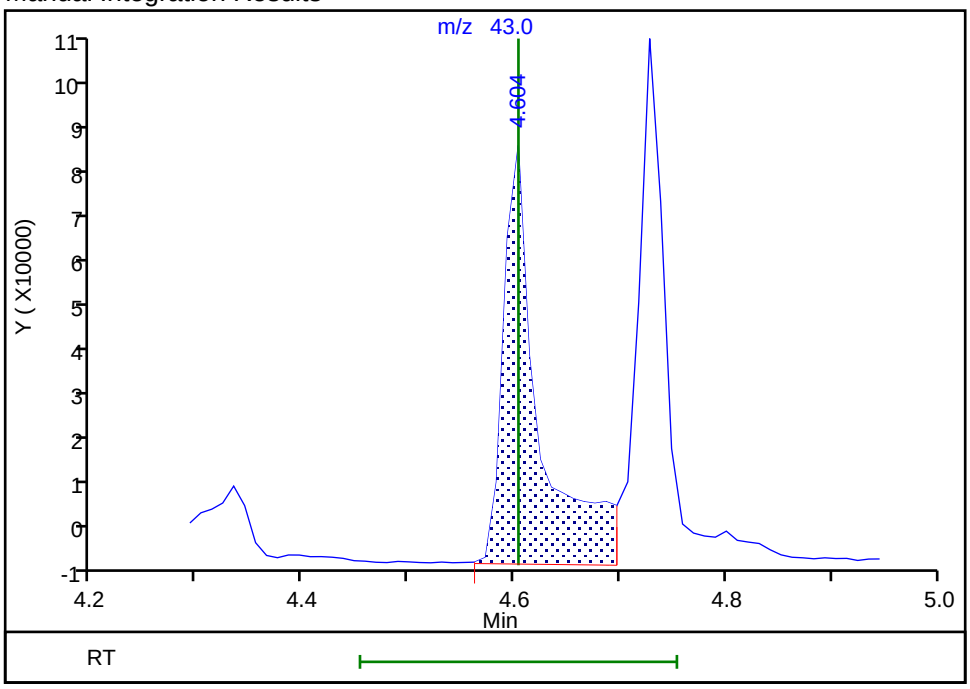
Processing Integration Results

RT: 4.60
Area: 166819
Amount: 167.0748
Amount Units: ug/L



Manual Integration Results

RT: 4.60
Area: 209022
Amount: 205.0098
Amount Units: ug/L



Reviewer: HillL, 01-Apr-2021 16:30:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4919.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 31-Mar-2021 13:52:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0097516-010
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Apr-2021 17:04:05 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: farrellr Date: 01-Apr-2021 08:42:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	161364	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.112	7.112	0.000	86	285266	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	306040	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	218840	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	60	128029	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	679041	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.055	0.000	90	191807	25.0	24.8	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	296755	25.0	27.5	
12 Chloromethane	50	1.236	1.236	0.000	99	331335	25.0	26.3	
13 Vinyl chloride	62	1.319	1.319	0.000	98	292600	25.0	26.3	
151 Butadiene	54	1.339	1.339	0.000	92	303911	25.0	25.5	
14 Bromomethane	94	1.598	1.598	0.000	90	162149	25.0	26.3	
15 Chloroethane	64	1.681	1.681	0.000	99	166897	25.0	27.1	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	95	382129	25.0	25.4	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	77	342807	25.0	27.6	
18 Ethyl ether	59	2.189	2.189	0.000	94	215277	25.0	26.0	
20 Acrolein	56	2.365	2.365	0.000	95	22710	125.0	76.4	
21 112TCTFE	101	2.386	2.386	0.000	93	197743	25.0	28.0	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	96	193395	25.0	26.6	
23 Acetone	43	2.510	2.510	0.000	99	668309	125.0	135.7	
25 Iodomethane	142	2.541	2.541	0.000	99	360147	25.0	26.9	
26 Carbon disulfide	76	2.573	2.573	0.000	99	692919	25.0	27.8	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	90	386581	25.0	27.3	
27 Methyl acetate	43	2.790	2.790	0.000	99	608916	50.0	51.9	
30 Methylene Chloride	84	2.883	2.883	0.000	97	242480	25.0	27.0	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	100	683554	250.0	282.1	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	98	726822	25.0	27.5	
34 trans-1,2-Dichloroethene	96	3.091	3.091	0.000	97	231111	25.0	25.9	
33 Acrylonitrile	53	3.142	3.142	0.000	99	1597155	250.0	251.3	
35 Hexane	57	3.267	3.267	0.000	93	310248	25.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.464	0.000	97	402861	25.0	26.6	
37 Vinyl acetate	43	3.516	3.516	0.000	97	1153567	50.0	50.0	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	92	272390	25.0	28.7	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	80	256080	25.0	28.1	
43 2-Butanone (MEK)	43	3.972	3.972	0.000	99	936973	125.0	121.4	
48 Chlorobromomethane	128	4.148	4.148	0.000	97	133427	25.0	26.7	
49 Tetrahydrofuran	42	4.158	4.158	0.000	90	273525	50.0	48.1	
50 Chloroform	83	4.210	4.210	0.000	94	386809	25.0	25.5	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	98	324208	25.0	27.6	
52 Cyclohexane	56	4.303	4.303	0.000	94	414160	25.0	27.1	
55 Carbon tetrachloride	117	4.417	4.417	0.000	97	251524	25.0	27.4	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	94	276376	25.0	25.9	
57 Benzene	78	4.593	4.593	0.000	95	804633	25.0	25.3	
53 Isobutyl alcohol	43	4.604	4.604	0.000	94	654166	625.0	720.1	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	307138	25.0	24.9	
59 n-Heptane	43	4.728	4.728	0.000	95	313098	25.0	20.8	
62 Trichloroethene	95	5.080	5.080	0.000	97	216771	25.0	26.2	
64 Methylcyclohexane	83	5.174	5.174	0.000	92	387873	25.0	28.0	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	93	194363	25.0	24.3	
66 1,4-Dioxane	88	5.381	5.381	0.000	47	80348	500.0	539.9	
67 Dibromomethane	93	5.381	5.381	0.000	96	140777	25.0	25.1	
68 Dichlorobromomethane	83	5.495	5.495	0.000	98	236472	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	93	120180	25.0	21.5	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	94	278377	25.0	24.2	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	1890136	125.0	136.6	
74 Toluene	92	6.044	6.044	0.000	98	445106	25.0	25.9	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	95	236648	25.0	24.1	
75 Ethyl methacrylate	69	6.272	6.272	0.000	91	259554	25.0	25.8	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	90	136460	25.0	24.5	
81 Tetrachloroethene	166	6.448	6.448	0.000	96	185920	25.0	25.0	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	94	257453	25.0	23.6	
80 2-Hexanone	43	6.562	6.562	0.000	99	1126644	125.0	125.1	
83 Chlorodibromomethane	129	6.707	6.707	0.000	90	156309	25.0	26.1	
84 Ethylene Dibromide	107	6.790	6.790	0.000	98	178312	25.0	24.9	
87 Chlorobenzene	112	7.143	7.143	0.000	94	481866	25.0	25.7	
88 Ethylbenzene	91	7.205	7.205	0.000	98	862690	25.0	27.0	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	94	189931	25.0	28.1	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	96	338791	25.0	26.6	
91 o-Xylene	106	7.609	7.609	0.000	97	365659	25.0	27.3	
92 Styrene	104	7.630	7.630	0.000	95	546671	25.0	26.3	
95 Bromoform	173	7.827	7.827	0.000	96	101582	25.0	26.6	
94 Isopropylbenzene	105	7.889	7.889	0.000	96	984968	25.0	26.8	
101 Bromobenzene	156	8.179	8.179	0.000	94	209378	25.0	24.1	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.200	0.000	94	291310	25.0	25.2	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	1094500	25.0	25.2	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	87	102641	25.0	25.1	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	74	89342	25.0	23.1	
103 2-Chlorotoluene	126	8.314	8.314	0.000	96	220849	25.0	24.7	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	93	842200	25.0	25.8	
105 4-Chlorotoluene	126	8.407	8.407	0.000	98	207930	25.0	23.6	
106 tert-Butylbenzene	134	8.625	8.625	0.000	93	180131	25.0	26.3	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	872027	25.0	26.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.801	0.000	94	1066314	25.0	26.1	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	937771	25.0	26.3	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	440376	25.0	24.7	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	448015	25.0	24.8	
115 n-Butylbenzene	91	9.257	9.257	0.000	98	853732	25.0	26.5	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	465230	25.0	25.8	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	83	79633	25.0	26.3	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	375193	25.0	26.9	
120 Hexachlorobutadiene	225	10.739	10.739	0.000	98	160832	25.0	27.6	
121 Naphthalene	128	10.842	10.842	0.000	97	1385533	25.0	27.3	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	97	382311	25.0	27.7	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00205	Amount Added: 12.50	Units: uL	
GAS CORP mix_00448	Amount Added: 12.50	Units: uL	
C_8260_IS_00153	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_Surr_00170	Amount Added: 2.00	Units: uL	Run Reagent

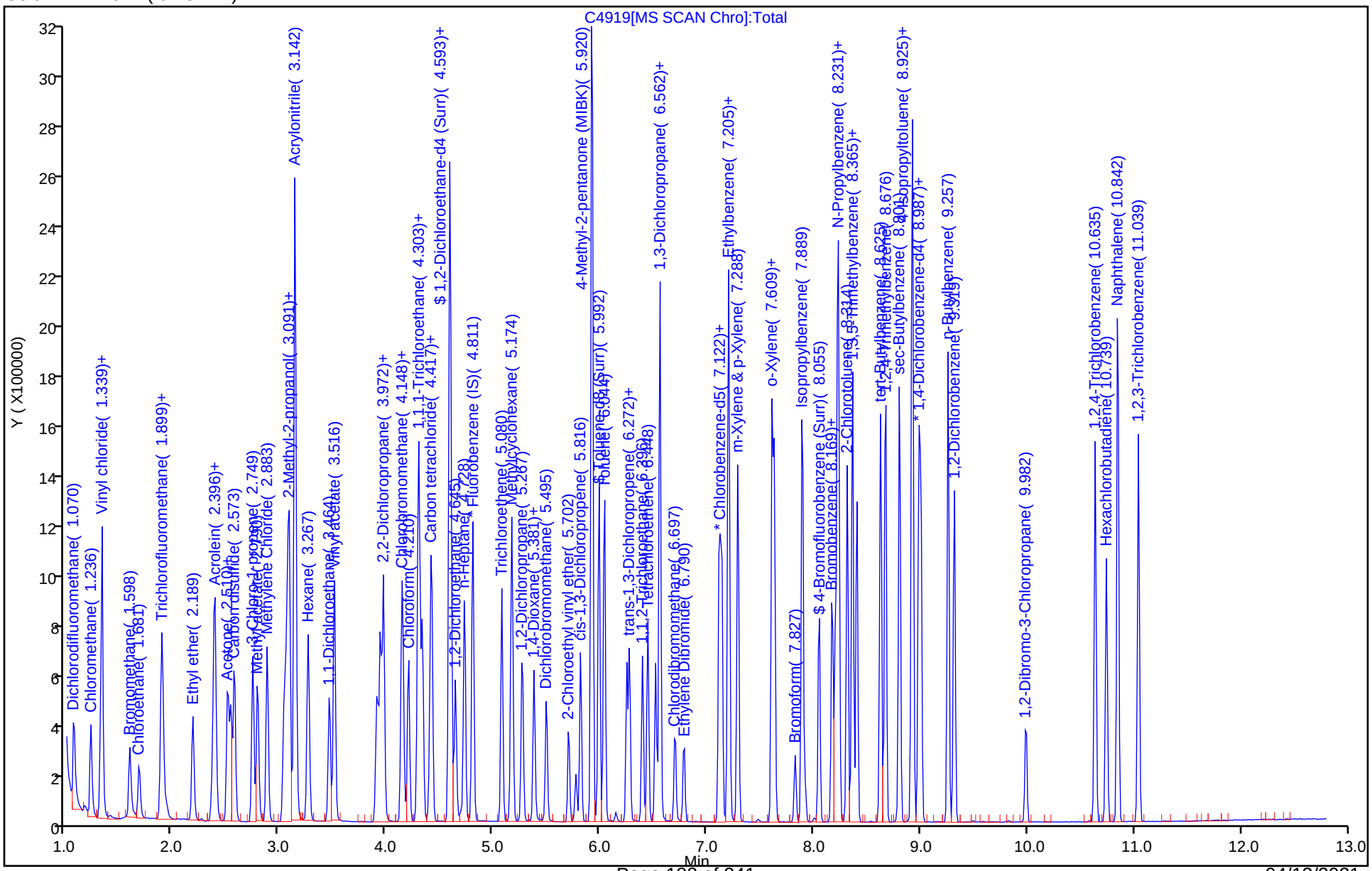
Report Date: 01-Apr-2021 17:04:08 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4919.D

Injection Date:	31-Mar-2021 13:52:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	ICIS 5			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4920.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 31-Mar-2021 14:16:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0097516-011
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Apr-2021 17:04:13 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: farrellr Date: 01-Apr-2021 09:13:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	180986	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.112	7.112	0.000	87	357699	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	344026	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	91	226963	25.0	23.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	53	139577	25.0	24.2	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	791662	25.0	23.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.055	0.000	92	232294	25.0	24.0	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	598785	50.0	49.4	
12 Chloromethane	50	1.236	1.236	0.000	99	687798	50.0	48.7	
13 Vinyl chloride	62	1.319	1.319	0.000	97	607967	50.0	48.7	
151 Butadiene	54	1.339	1.339	0.000	92	634463	50.0	47.5	
14 Bromomethane	94	1.609	1.598	0.011	90	332904	50.0	48.1	
15 Chloroethane	64	1.692	1.681	0.011	100	337165	50.0	48.8	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	96	749429	50.0	44.4	
17 Trichlorofluoromethane	101	1.909	1.899	0.010	73	680980	50.0	48.9	
18 Ethyl ether	59	2.189	2.189	0.000	94	449361	50.0	48.4	
20 Acrolein	56	2.365	2.365	0.000	100	88605	250.0	265.7	
21 112TCTFE	101	2.386	2.386	0.000	93	429602	50.0	54.1	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	97	427071	50.0	52.5	
23 Acetone	43	2.510	2.510	0.000	99	1495441	250.0	270.7	
25 Iodomethane	142	2.541	2.541	0.000	100	749526	50.0	50.0	
26 Carbon disulfide	76	2.583	2.573	0.011	99	1438031	50.0	51.5	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	91	832110	50.0	52.5	
27 Methyl acetate	43	2.790	2.790	0.000	99	1390393	100.0	105.7	
30 Methylene Chloride	84	2.883	2.883	0.000	97	483818	50.0	48.5	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	100	1436098	500.0	528.5	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	98	1507056	50.0	50.8	
34 trans-1,2-Dichloroethene	96	3.091	3.091	0.000	97	488410	50.0	48.8	
33 Acrylonitrile	53	3.142	3.142	0.000	99	3569253	500.0	500.7	
35 Hexane	57	3.267	3.267	0.000	94	734479	50.0	53.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.464	0.000	96	875955	50.0	51.6	
37 Vinyl acetate	43	3.516	3.516	0.000	97	2856061	100.0	110.4	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	92	513687	50.0	48.3	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	84	534656	50.0	52.2	
43 2-Butanone (MEK)	43	3.972	3.972	0.000	99	2302552	250.0	266.0	
48 Chlorobromomethane	128	4.148	4.148	0.000	97	285437	50.0	51.0	
49 Tetrahydrofuran	42	4.158	4.158	0.000	90	630345	100.0	98.8	
50 Chloroform	83	4.210	4.210	0.000	95	819978	50.0	48.1	
52 Cyclohexane	56	4.303	4.303	0.000	93	913429	50.0	53.3	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	99	699455	50.0	53.1	
55 Carbon tetrachloride	117	4.417	4.417	0.000	97	571281	50.0	55.4	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	94	643792	50.0	53.8	
57 Benzene	78	4.593	4.593	0.000	97	1868548	50.0	52.4	
53 Isobutyl alcohol	43	4.604	4.604	0.000	95	1375460	1250.0	1349.9	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	675310	50.0	48.7	
59 n-Heptane	43	4.728	4.728	0.000	95	797037	50.0	47.1	
62 Trichloroethene	95	5.080	5.080	0.000	97	500931	50.0	53.9	
64 Methylcyclohexane	83	5.174	5.174	0.000	93	843756	50.0	54.2	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	95	468471	50.0	52.1	
66 1,4-Dioxane	88	5.381	5.381	0.000	43	178945	1000.0	959.0	
67 Dibromomethane	93	5.381	5.381	0.000	96	322904	50.0	51.3	
68 Dichlorobromomethane	83	5.495	5.495	0.000	99	578326	50.0	54.1	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	93	360576	50.0	57.5	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	94	736907	50.0	57.1	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	4362558	250.0	251.4	
74 Toluene	92	6.044	6.044	0.000	98	1107513	50.0	51.4	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	98	662557	50.0	53.7	
75 Ethyl methacrylate	69	6.272	6.272	0.000	91	673228	50.0	53.4	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	90	345576	50.0	49.5	
81 Tetrachloroethene	166	6.448	6.448	0.000	96	469730	50.0	50.4	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	94	696320	50.0	50.9	
80 2-Hexanone	43	6.562	6.562	0.000	98	2841502	250.0	251.5	
83 Chlorodibromomethane	129	6.707	6.707	0.000	90	422017	50.0	56.2	
84 Ethylene Dibromide	107	6.790	6.790	0.000	98	463596	50.0	51.7	
87 Chlorobenzene	112	7.143	7.143	0.000	94	1213726	50.0	51.6	
88 Ethylbenzene	91	7.205	7.205	0.000	98	2091921	50.0	52.3	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	94	441721	50.0	52.1	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	96	817683	50.0	51.3	
91 o-Xylene	106	7.609	7.609	0.000	98	827011	50.0	49.3	
92 Styrene	104	7.630	7.630	0.000	96	1364362	50.0	52.3	
95 Bromoform	173	7.827	7.827	0.000	96	270859	50.0	56.6	
94 Isopropylbenzene	105	7.889	7.889	0.000	95	2267338	50.0	55.0	
101 Bromobenzene	156	8.169	8.179	-0.010	97	512091	50.0	52.4	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.200	0.000	96	688944	50.0	53.0	
99 N-Propylbenzene	91	8.220	8.220	0.000	98	2556873	50.0	52.4	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	86	231209	50.0	50.2	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	77	230007	50.0	52.8	
103 2-Chlorotoluene	126	8.314	8.314	0.000	97	517972	50.0	51.5	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	93	1907995	50.0	52.1	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	508552	50.0	51.4	
106 tert-Butylbenzene	134	8.625	8.625	0.001	93	420824	50.0	54.6	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	1941865	50.0	51.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.801	0.000	94	2466984	50.0	53.8	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	1011765	50.0	50.6	
110 4-Isopropyltoluene	119	8.915	8.925	-0.010	97	2132056	50.0	53.2	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	1042287	50.0	51.2	
115 n-Butylbenzene	91	9.257	9.257	0.000	98	1902244	50.0	52.4	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	1021153	50.0	50.4	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	86	173810	50.0	51.1	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	792602	50.0	50.5	
120 Hexachlorobutadiene	225	10.739	10.739	0.000	98	354417	50.0	54.1	
121 Naphthalene	128	10.842	10.842	0.000	97	2942358	50.0	51.5	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	768478	50.0	49.5	
S 123 Total BTEX	1				0			256.6	
S 124 Xylenes, Total	1				0			100.6	
S 125 1,2-Dichloroethene, Total	1				0			101.0	
S 126 1,3-Dichloropropene, Total	1				0			110.8	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00205	Amount Added: 25.00	Units: uL	
GAS CORP mix_00448	Amount Added: 25.00	Units: uL	
C_8260_IS_00153	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_Surr_00170	Amount Added: 2.00	Units: uL	Run Reagent

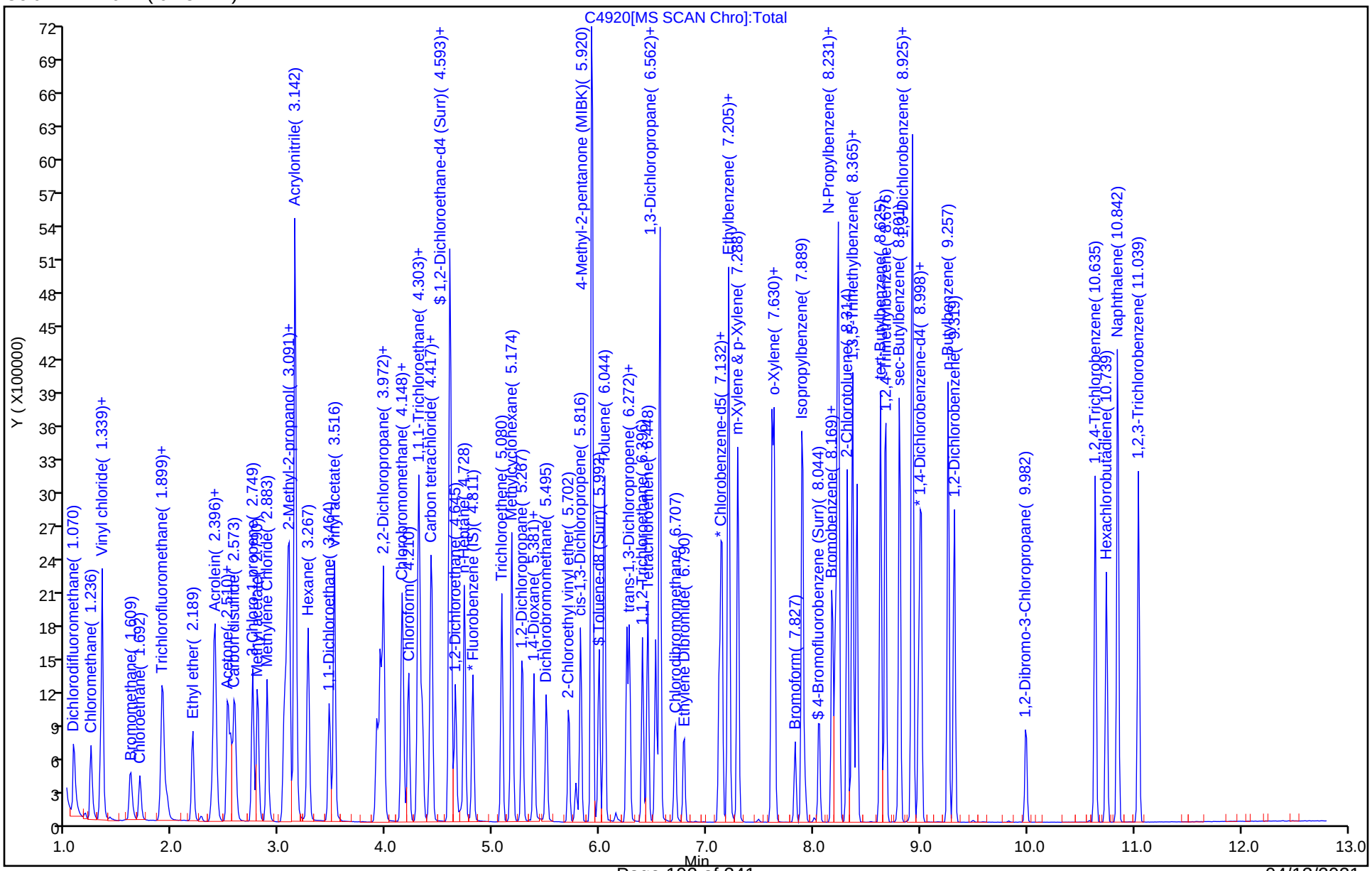
Report Date: 01-Apr-2021 17:04:17 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4920.D

Injection Date:	31-Mar-2021 14:16:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC 6			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4921.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 31-Mar-2021 14:40:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0097516-012
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Apr-2021 17:04:21 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: farrellr Date: 01-Apr-2021 09:14:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	173507	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.112	7.112	0.000	86	339242	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	322956	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	63	228103	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.593	-0.010	42	136648	25.0	24.7	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	799510	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.055	0.000	88	234390	25.0	25.5	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	1292180	100.0	111.2	
12 Chloromethane	50	1.236	1.236	0.000	99	1422823	100.0	105.1	
13 Vinyl chloride	62	1.319	1.319	0.000	98	1257836	100.0	105.1	
151 Butadiene	54	1.339	1.339	0.000	92	1316465	100.0	102.8	
14 Bromomethane	94	1.598	1.598	0.000	90	627729	100.0	94.6	
15 Chloroethane	64	1.681	1.681	0.000	100	638445	100.0	96.3	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	96	1579663	100.0	97.5	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	98	1487989	100.0	111.4	
18 Ethyl ether	59	2.189	2.189	0.000	94	902980	100.0	101.5	
20 Acrolein	56	2.365	2.365	0.000	100	176991	500.0	553.6	
21 112TCTFE	101	2.386	2.386	0.000	93	856521	100.0	112.6	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	96	845477	100.0	108.3	
23 Acetone	43	2.510	2.510	0.000	99	2939146	500.0	555.0	
25 Iodomethane	142	2.541	2.541	0.000	100	1493554	100.0	103.9	
26 Carbon disulfide	76	2.573	2.573	0.001	99	2905847	100.0	108.6	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	91	1654371	100.0	108.8	
27 Methyl acetate	43	2.790	2.790	0.000	99	2732109	200.0	216.7	
30 Methylene Chloride	84	2.883	2.883	0.000	97	952652	100.0	100.2	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	100	2909141	1000.0	1116.7	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	99	3002466	100.0	105.5	
34 trans-1,2-Dichloroethene	96	3.091	3.091	0.000	97	972791	100.0	101.3	
33 Acrylonitrile	53	3.142	3.142	0.000	98	6943968	1000.0	1016.2	
35 Hexane	57	3.267	3.267	0.000	94	1453283	100.0	110.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.464	0.000	96	1710116	100.0	105.1	
37 Vinyl acetate	43	3.516	3.516	0.000	97	5780197	200.0	233.0	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	92	1033609	100.0	101.4	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	83	1070611	100.0	109.1	
43 2-Butanone (MEK)	43	3.972	3.972	0.000	99	4587594	500.0	552.8	
48 Chlorobromomethane	128	4.137	4.148	-0.011	97	559201	100.0	104.2	
49 Tetrahydrofuran	42	4.158	4.158	0.000	89	1235245	200.0	202.0	
50 Chloroform	83	4.210	4.210	0.000	95	1645200	100.0	100.7	
52 Cyclohexane	56	4.303	4.303	0.000	92	1803673	100.0	109.8	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	99	1389126	100.0	110.1	
55 Carbon tetrachloride	117	4.407	4.417	-0.010	97	1171255	100.0	118.5	
54 1,1-Dichloropropene	75	4.428	4.427	0.001	95	1283452	100.0	111.8	
57 Benzene	78	4.593	4.593	0.000	98	3658547	100.0	106.9	
53 Isobutyl alcohol	43	4.604	4.604	0.000	95	2873075	2500.0	2941.2	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	1331870	100.0	100.2	
59 n-Heptane	43	4.728	4.728	0.000	95	1452780	100.0	89.6	
62 Trichloroethene	95	5.080	5.080	0.000	96	974127	100.0	109.4	
64 Methylcyclohexane	83	5.174	5.174	0.000	93	1670554	100.0	112.0	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	95	942940	100.0	109.5	
66 1,4-Dioxane	88	5.381	5.381	0.000	47	359041	2000.0	2028.8	
67 Dibromomethane	93	5.381	5.381	0.000	95	643765	100.0	106.7	
68 Dichlorobromomethane	83	5.495	5.495	0.000	98	1178945	100.0	115.1	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	92	722228	100.0	120.2	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	94	1521038	100.0	122.9	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	8556382	500.0	520.0	
74 Toluene	92	6.044	6.044	0.000	98	2202666	100.0	107.8	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	98	1374621	100.0	117.6	
75 Ethyl methacrylate	69	6.272	6.272	0.000	91	1342765	100.0	112.3	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	90	708397	100.0	107.0	
81 Tetrachloroethene	166	6.448	6.448	0.000	95	926491	100.0	104.7	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	93	1424331	100.0	109.7	
80 2-Hexanone	43	6.562	6.562	0.000	97	5590424	500.0	521.8	
83 Chlorodibromomethane	129	6.707	6.707	0.000	90	906738	100.0	127.3	
84 Ethylene Dibromide	107	6.790	6.790	0.000	99	939041	100.0	110.4	
87 Chlorobenzene	112	7.143	7.143	0.000	96	2499432	100.0	112.1	
88 Ethylbenzene	91	7.205	7.205	0.000	98	4193320	100.0	110.5	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	95	910478	100.0	113.2	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	96	1620351	100.0	107.1	
91 o-Xylene	106	7.609	7.609	0.000	98	1665278	100.0	104.7	
92 Styrene	104	7.630	7.630	0.000	95	2719127	100.0	110.0	
95 Bromoform	173	7.827	7.827	0.000	96	596838	100.0	131.5	
94 Isopropylbenzene	105	7.889	7.889	0.000	95	4493372	100.0	116.0	
101 Bromobenzene	156	8.169	8.179	-0.010	96	1041640	100.0	113.5	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.200	0.000	94	1383920	100.0	113.5	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	5155293	100.0	112.5	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	86	448272	100.0	103.8	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	82	472531	100.0	115.6	
103 2-Chlorotoluene	126	8.314	8.314	0.000	97	1037052	100.0	109.8	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	93	3881857	100.0	112.9	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	1043417	100.0	112.3	
106 tert-Butylbenzene	134	8.625	8.625	0.001	93	849248	100.0	117.4	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	3926407	100.0	111.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.801	0.000	94	4996144	100.0	116.0	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	2066802	100.0	110.0	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	4286531	100.0	113.8	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	2110451	100.0	110.5	
115 n-Butylbenzene	91	9.257	9.257	0.000	98	3915349	100.0	115.0	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	2094354	100.0	110.1	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	87	372810	100.0	116.7	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	1667049	100.0	113.2	
120 Hexachlorobutadiene	225	10.739	10.739	0.000	98	740444	100.0	120.4	
121 Naphthalene	128	10.842	10.842	0.000	97	5971607	100.0	111.4	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	97	1621921	100.0	111.3	
S 123 Total BTEX	1				0			537.1	
S 124 Xylenes, Total	1				0			211.8	
S 125 1,2-Dichloroethene, Total	1				0			210.4	
S 126 1,3-Dichloropropene, Total	1				0			240.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00205	Amount Added: 50.00	Units: uL	
GAS CORP mix_00448	Amount Added: 50.00	Units: uL	
C_8260_IS_00153	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_Surr_00170	Amount Added: 2.00	Units: uL	Run Reagent

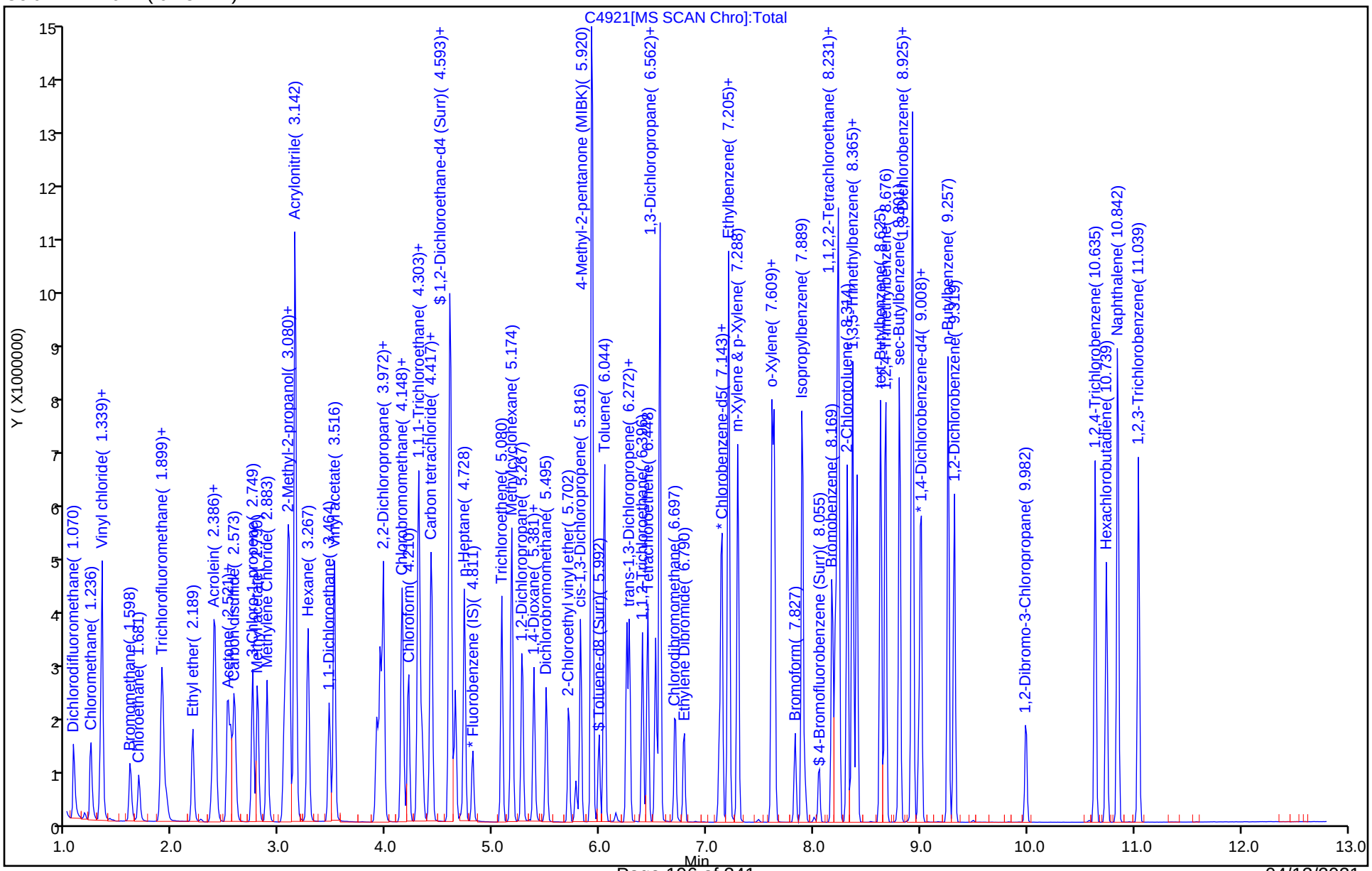
Report Date: 01-Apr-2021 17:04:24 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4921.D

Injection Date:	31-Mar-2021 14:40:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC 7			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

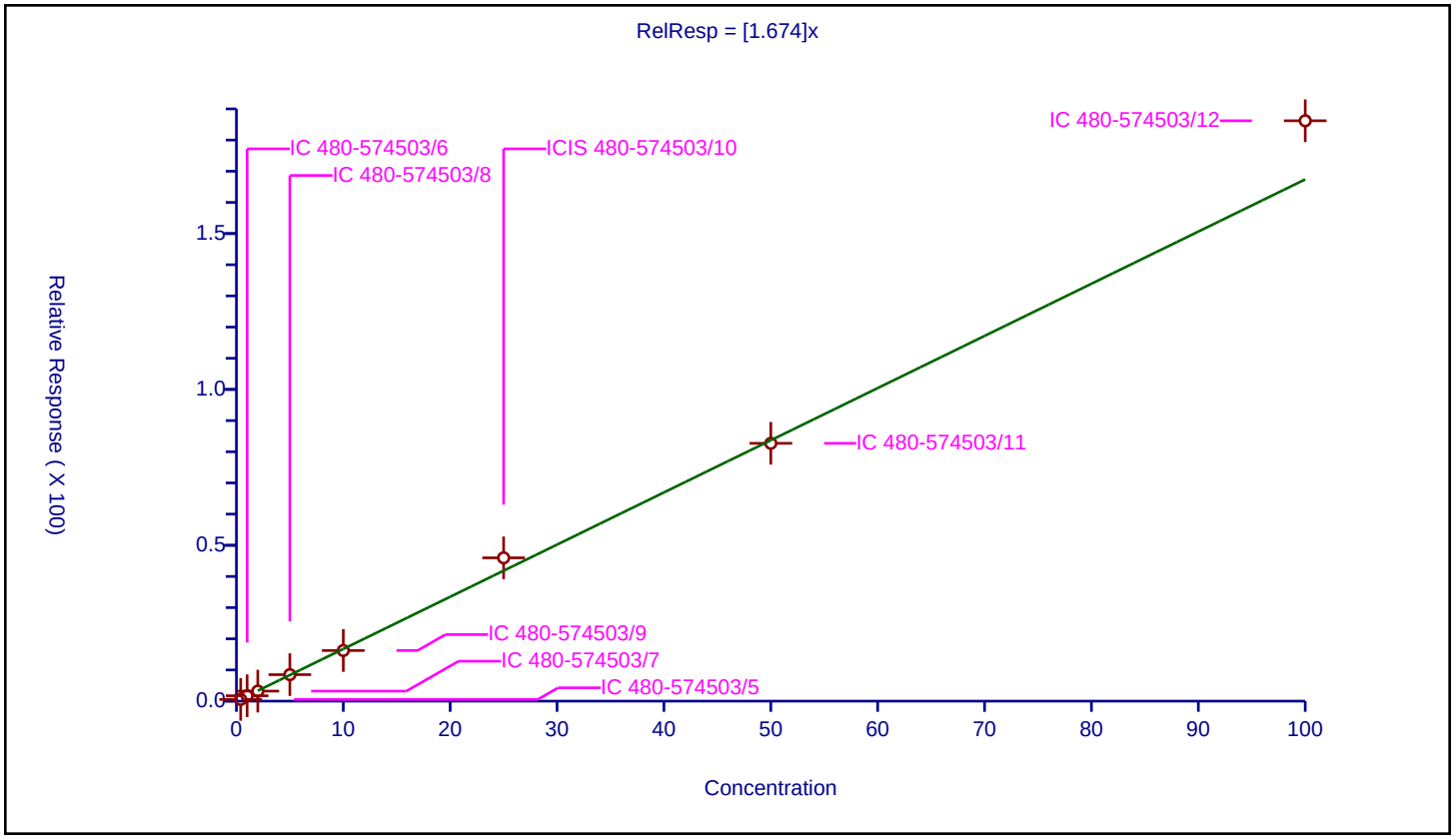
Curve Coefficients

Intercept:	0
Slope:	1.674

Error Coefficients

Standard Error:	552000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.547984	25.0	157167.0	1.36996	Y
2	IC 480-574503/6	1.0	1.732732	25.0	177451.0	1.732732	Y
3	IC 480-574503/7	2.0	3.218086	25.0	172455.0	1.609043	Y
4	IC 480-574503/8	5.0	8.497507	25.0	175525.0	1.699501	Y
5	IC 480-574503/9	10.0	16.240654	25.0	181098.0	1.624065	Y
6	ICIS 480-574503/10	25.0	45.976023	25.0	161364.0	1.839041	Y
7	IC 480-574503/11	50.0	82.711508	25.0	180986.0	1.65423	Y
8	IC 480-574503/12	100.0	186.185572	25.0	173507.0	1.861856	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

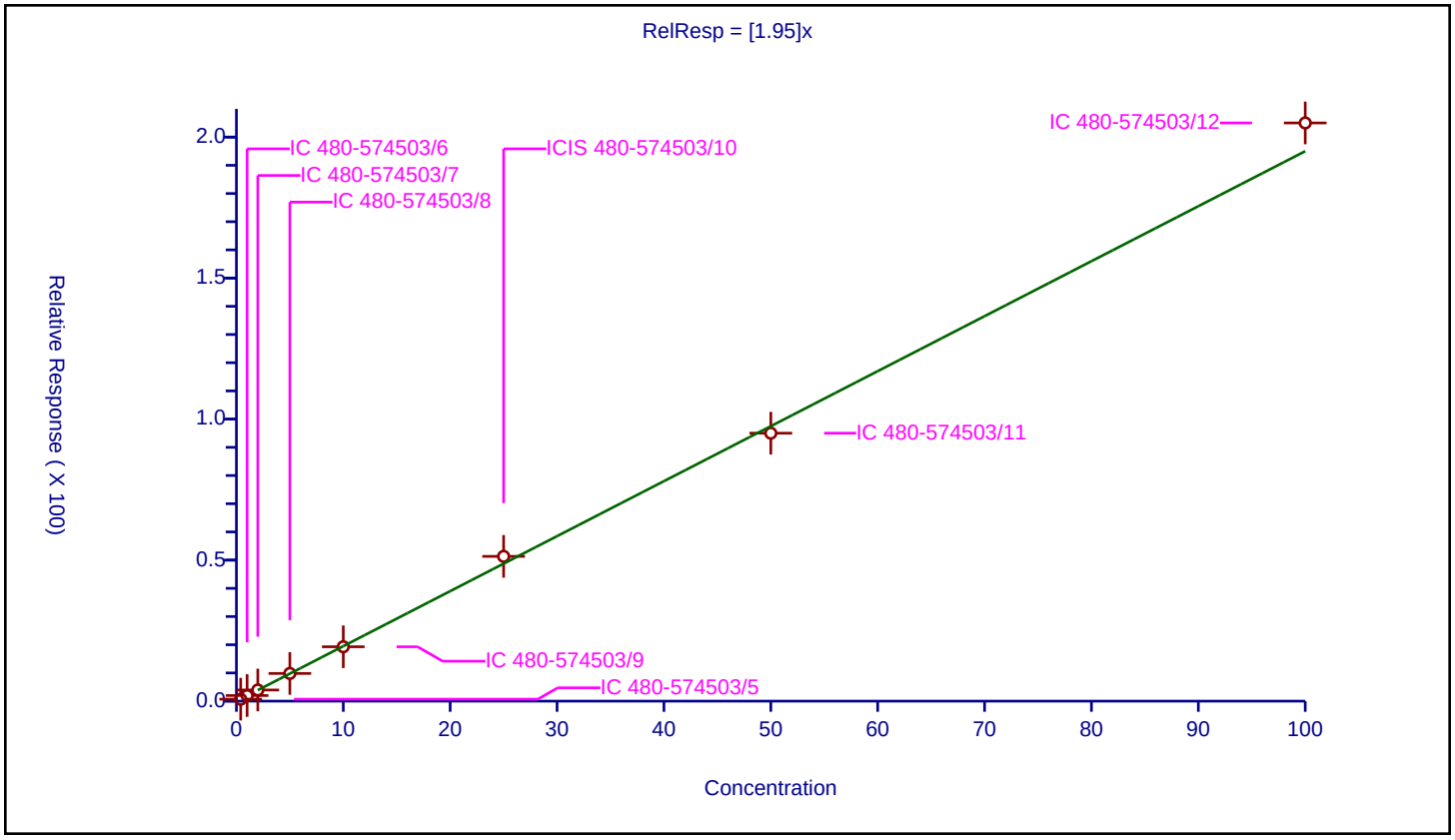
Curve Coefficients

Intercept:	0
Slope:	1.95

Error Coefficients

Standard Error:	613000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.695439	25.0	157167.0	1.738597	Y
2	IC 480-574503/6	1.0	1.991958	25.0	177451.0	1.991958	Y
3	IC 480-574503/7	2.0	3.948131	25.0	172455.0	1.974066	Y
4	IC 480-574503/8	5.0	9.816265	25.0	175525.0	1.963253	Y
5	IC 480-574503/9	10.0	19.280583	25.0	181098.0	1.928058	Y
6	ICIS 480-574503/10	25.0	51.333476	25.0	161364.0	2.053339	Y
7	IC 480-574503/11	50.0	95.007072	25.0	180986.0	1.900141	Y
8	IC 480-574503/12	100.0	205.009452	25.0	173507.0	2.050095	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

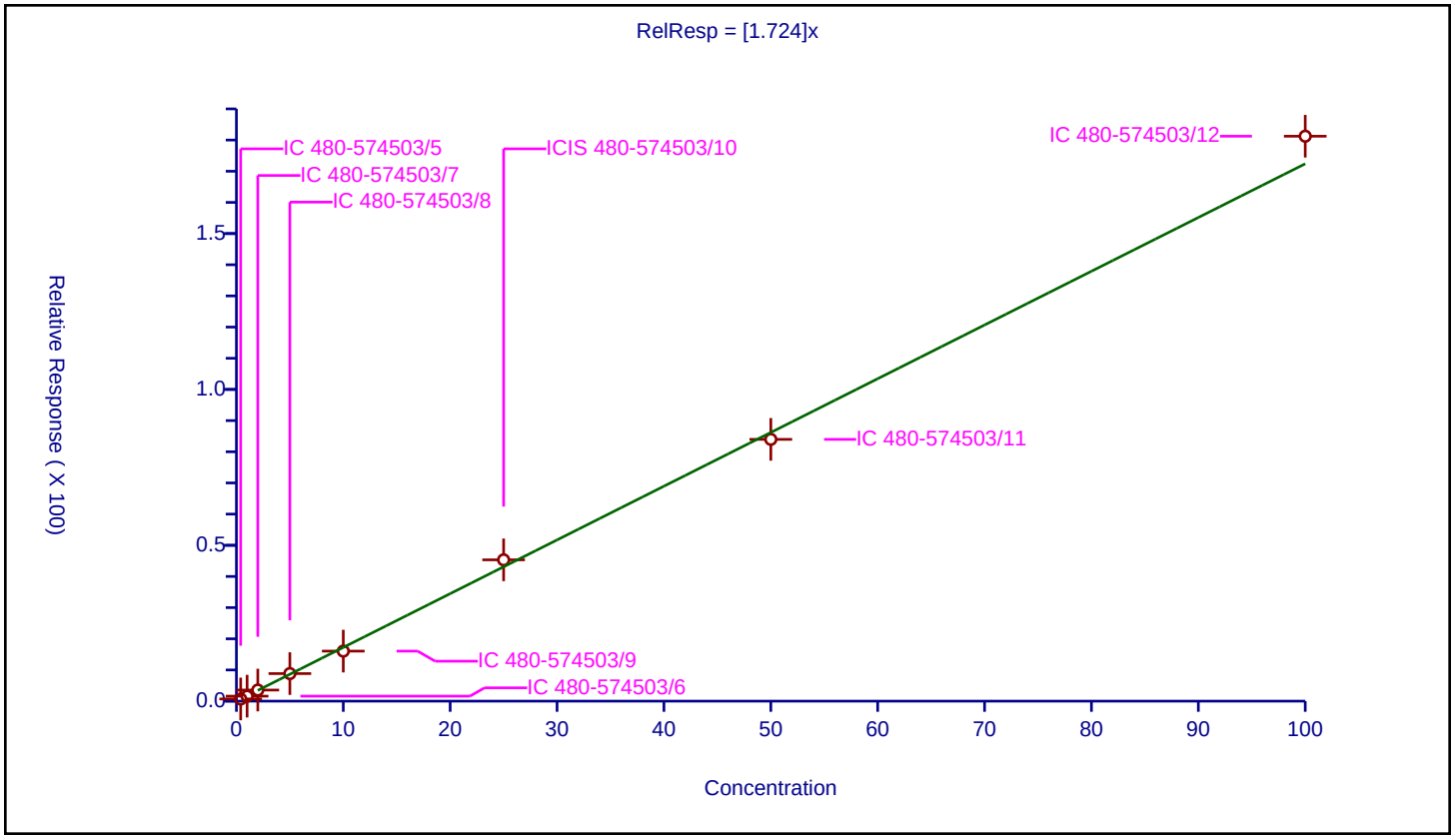
Curve Coefficients

Intercept:	0
Slope:	1.724

Error Coefficients

Standard Error:	542000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.694007	25.0	157167.0	1.735018	Y
2	IC 480-574503/6	1.0	1.600301	25.0	177451.0	1.600301	Y
3	IC 480-574503/7	2.0	3.55716	25.0	172455.0	1.77858	Y
4	IC 480-574503/8	5.0	8.837203	25.0	175525.0	1.767441	Y
5	IC 480-574503/9	10.0	16.047665	25.0	181098.0	1.604766	Y
6	ICIS 480-574503/10	25.0	45.332292	25.0	161364.0	1.813292	Y
7	IC 480-574503/11	50.0	83.979838	25.0	180986.0	1.679597	Y
8	IC 480-574503/12	100.0	181.237068	25.0	173507.0	1.812371	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

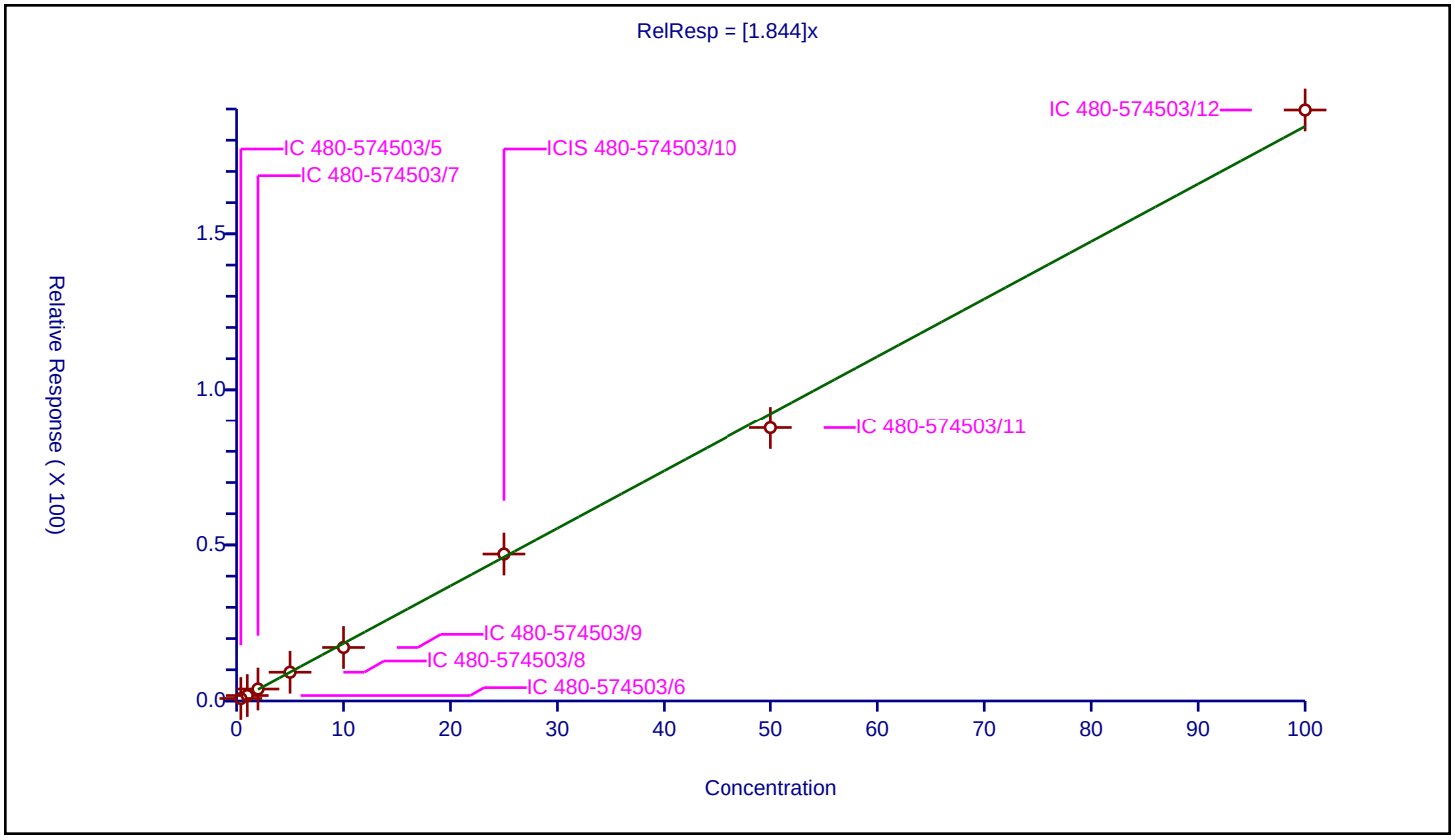
Curve Coefficients

Intercept:	0
Slope:	1.844

Error Coefficients

Standard Error:	567000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.799468	25.0	157167.0	1.99867	Y
2	IC 480-574503/6	1.0	1.750624	25.0	177451.0	1.750624	Y
3	IC 480-574503/7	2.0	3.831579	25.0	172455.0	1.91579	Y
4	IC 480-574503/8	5.0	9.213075	25.0	175525.0	1.842615	Y
5	IC 480-574503/9	10.0	17.147208	25.0	181098.0	1.714721	Y
6	ICIS 480-574503/10	25.0	47.084697	25.0	161364.0	1.883388	Y
7	IC 480-574503/11	50.0	87.63979	25.0	180986.0	1.752796	Y
8	IC 480-574503/12	100.0	189.68471	25.0	173507.0	1.896847	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

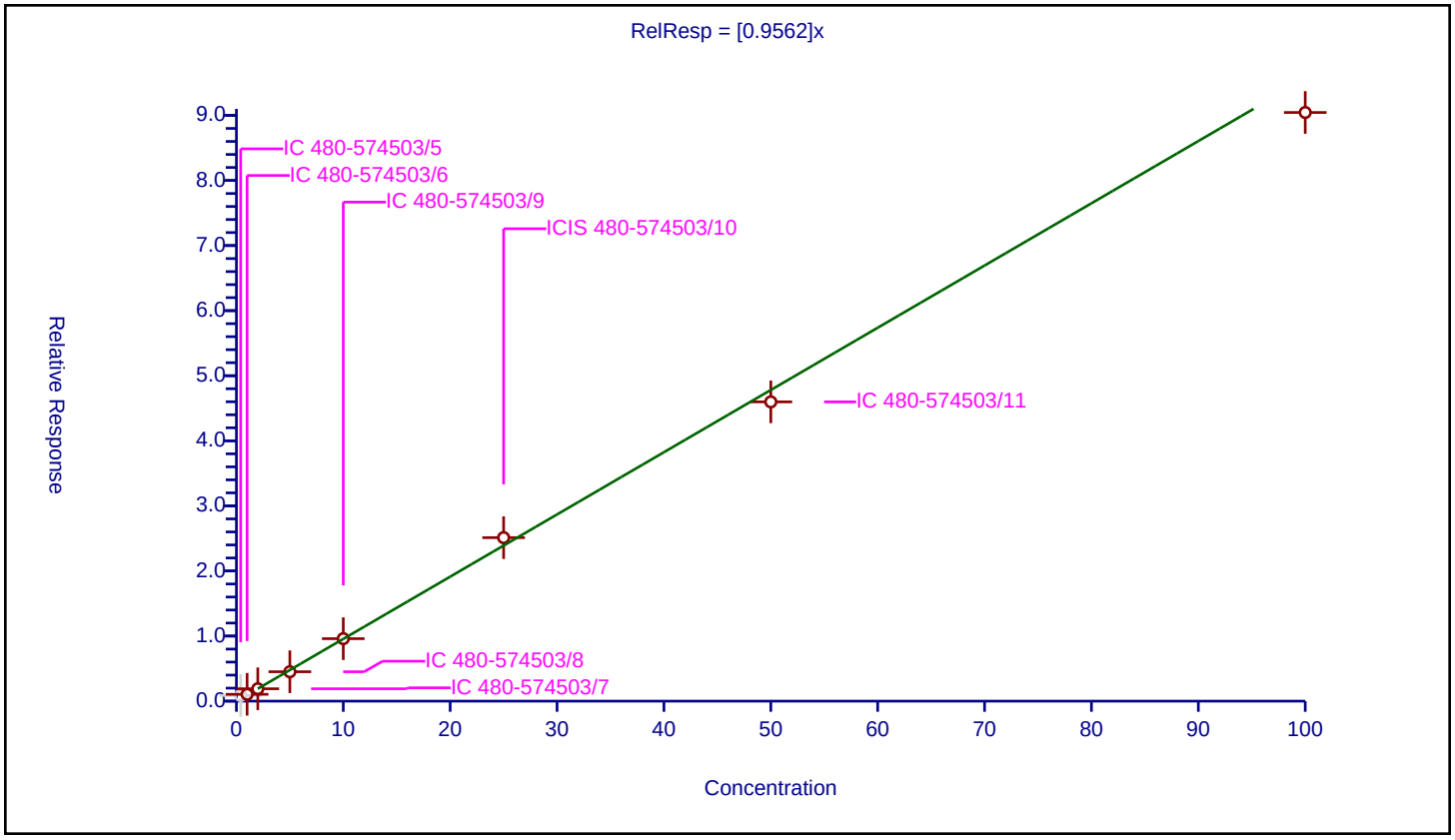
Curve Coefficients

Intercept:	0
Slope:	0.9562

Error Coefficients

Standard Error:	299000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.875502	25.0	157167.0	2.188755	N
2	IC 480-574503/6	1.0	1.050994	25.0	177451.0	1.050994	Y
3	IC 480-574503/7	2.0	1.900351	25.0	172455.0	0.950175	Y
4	IC 480-574503/8	5.0	4.514884	25.0	175525.0	0.902977	Y
5	IC 480-574503/9	10.0	9.599913	25.0	181098.0	0.959991	Y
6	ICIS 480-574503/10	25.0	25.121619	25.0	161364.0	1.004865	Y
7	IC 480-574503/11	50.0	45.984772	25.0	180986.0	0.919695	Y
8	IC 480-574503/12	100.0	90.447215	25.0	173507.0	0.904472	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

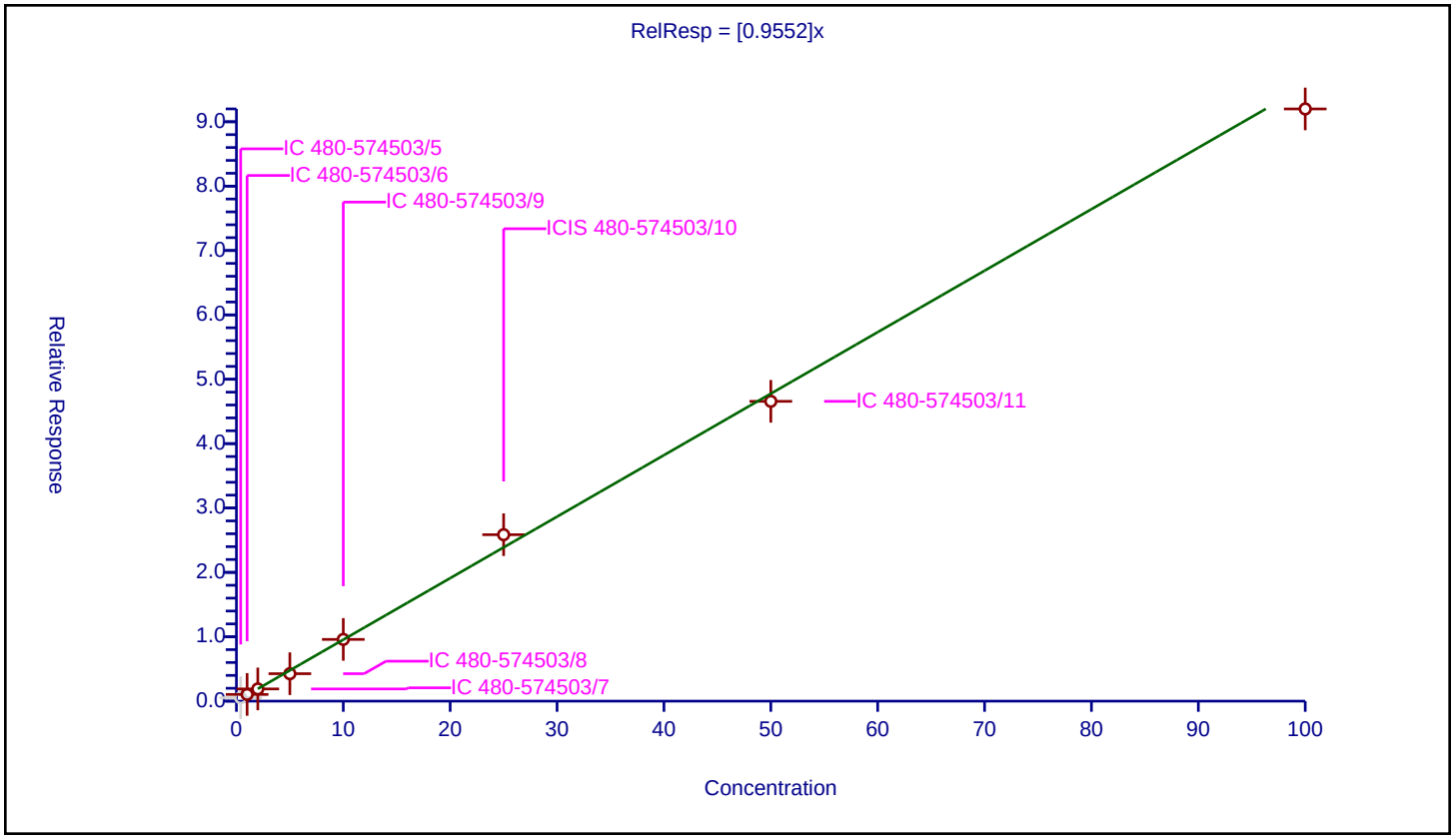
Curve Coefficients

Intercept:	0
Slope:	0.9552

Error Coefficients

Standard Error:	304000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.526669	25.0	157167.0	1.316673	N
2	IC 480-574503/6	1.0	1.041555	25.0	177451.0	1.041555	Y
3	IC 480-574503/7	2.0	1.895857	25.0	172455.0	0.947928	Y
4	IC 480-574503/8	5.0	4.263068	25.0	175525.0	0.852614	Y
5	IC 480-574503/9	10.0	9.589835	25.0	181098.0	0.958984	Y
6	ICIS 480-574503/10	25.0	25.857223	25.0	161364.0	1.034289	Y
7	IC 480-574503/11	50.0	46.573354	25.0	180986.0	0.931467	Y
8	IC 480-574503/12	100.0	91.991245	25.0	173507.0	0.919912	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

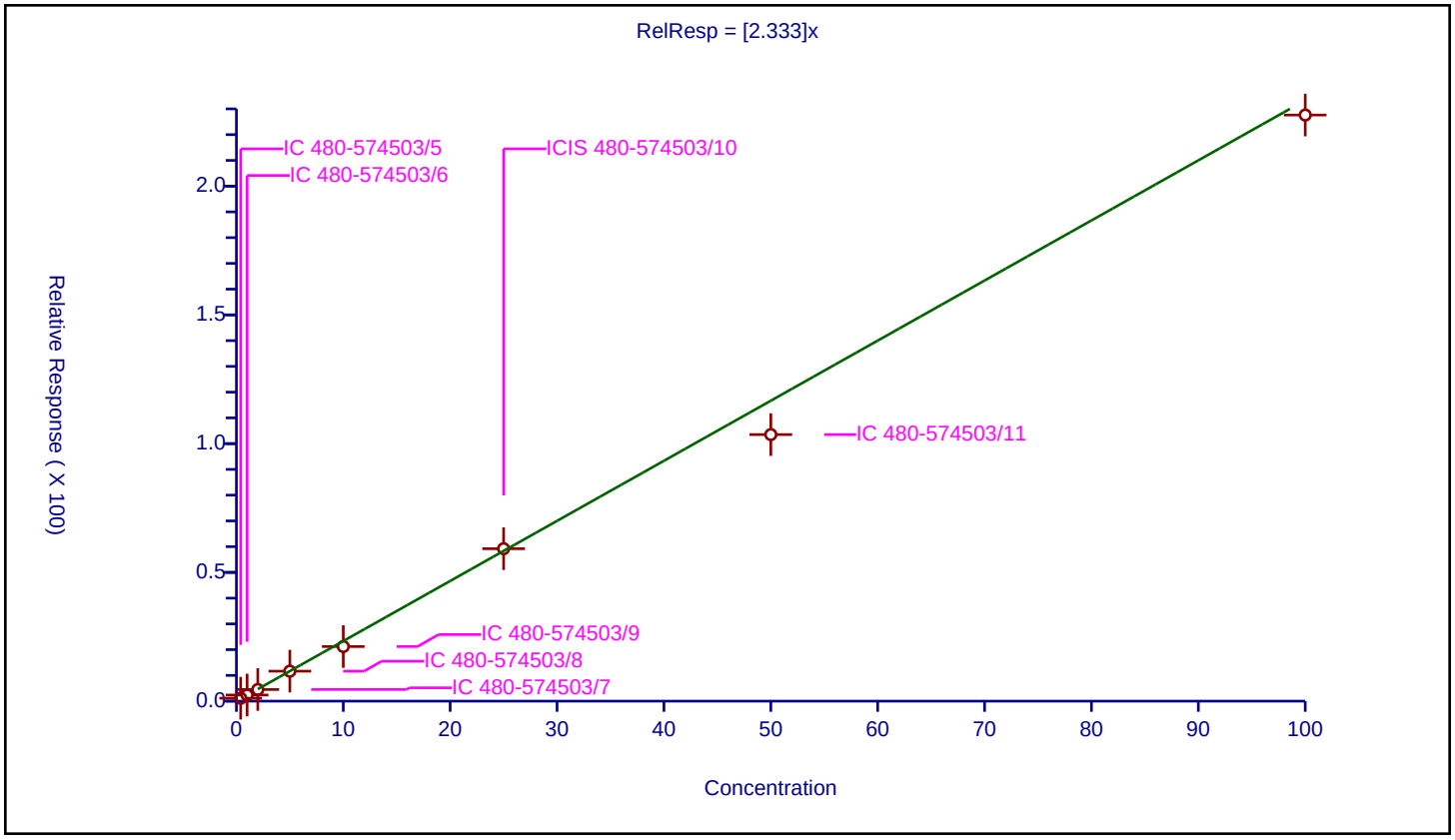
Curve Coefficients

Intercept:	0
Slope:	2.333

Error Coefficients

Standard Error:	680000
Relative Standard Error:	10.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	1.144324	25.0	157167.0	2.86081	Y
2	IC 480-574503/6	1.0	2.387561	25.0	177451.0	2.387561	Y
3	IC 480-574503/7	2.0	4.511902	25.0	172455.0	2.255951	Y
4	IC 480-574503/8	5.0	11.636519	25.0	175525.0	2.327304	Y
5	IC 480-574503/9	10.0	21.21241	25.0	181098.0	2.121241	Y
6	ICIS 480-574503/10	25.0	59.202951	25.0	161364.0	2.368118	Y
7	IC 480-574503/11	50.0	103.5203	25.0	180986.0	2.070406	Y
8	IC 480-574503/12	100.0	227.607964	25.0	173507.0	2.27608	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

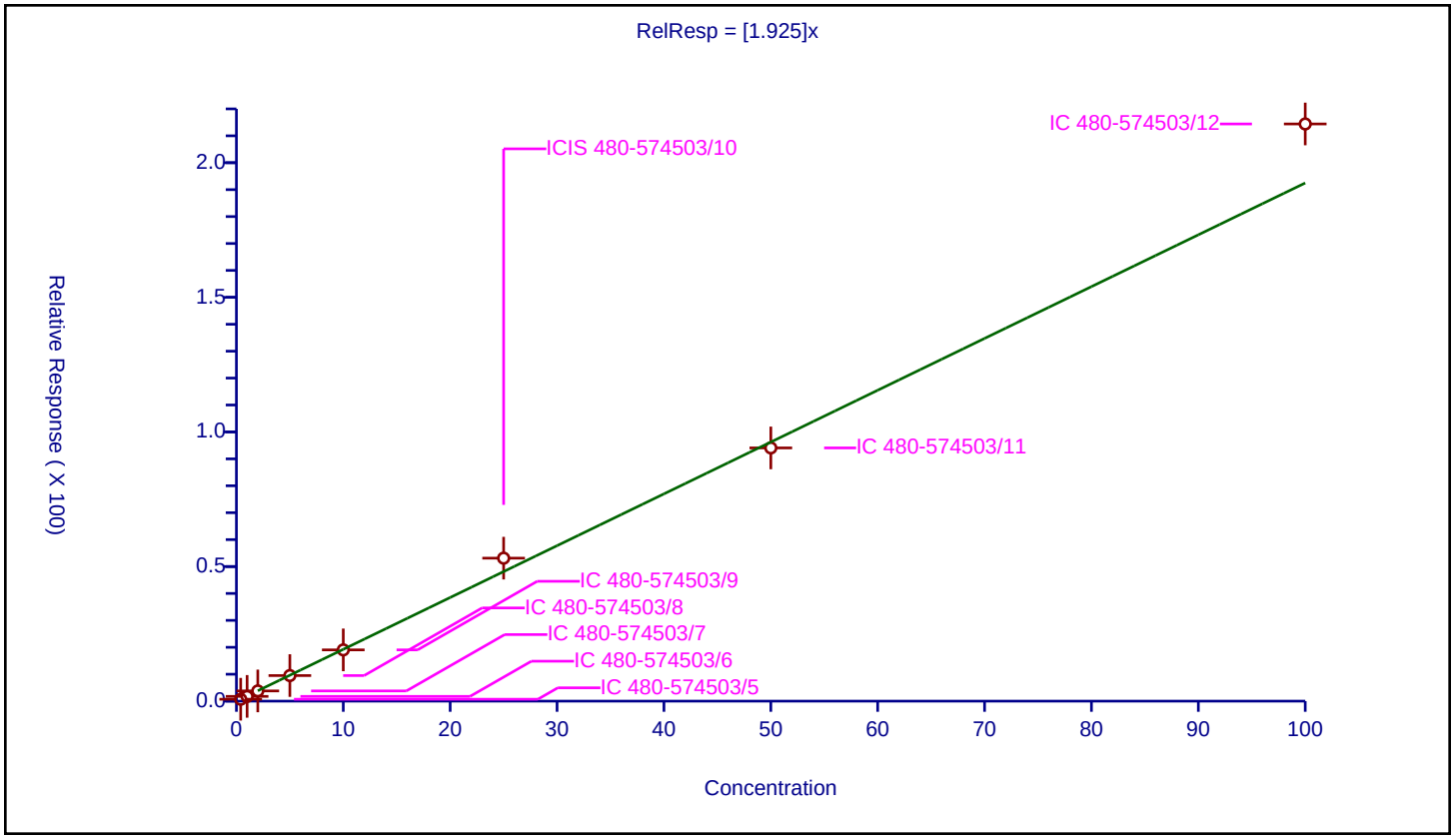
Curve Coefficients

Intercept:	0
Slope:	1.925

Error Coefficients

Standard Error:	635000
Relative Standard Error:	7.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.712141	25.0	157167.0	1.780351	Y
2	IC 480-574503/6	1.0	1.766544	25.0	177451.0	1.766544	Y
3	IC 480-574503/7	2.0	3.791714	25.0	172455.0	1.895857	Y
4	IC 480-574503/8	5.0	9.504771	25.0	175525.0	1.900954	Y
5	IC 480-574503/9	10.0	19.044799	25.0	181098.0	1.90448	Y
6	ICIS 480-574503/10	25.0	53.110824	25.0	161364.0	2.124433	Y
7	IC 480-574503/11	50.0	94.065287	25.0	180986.0	1.881306	Y
8	IC 480-574503/12	100.0	214.398987	25.0	173507.0	2.14399	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

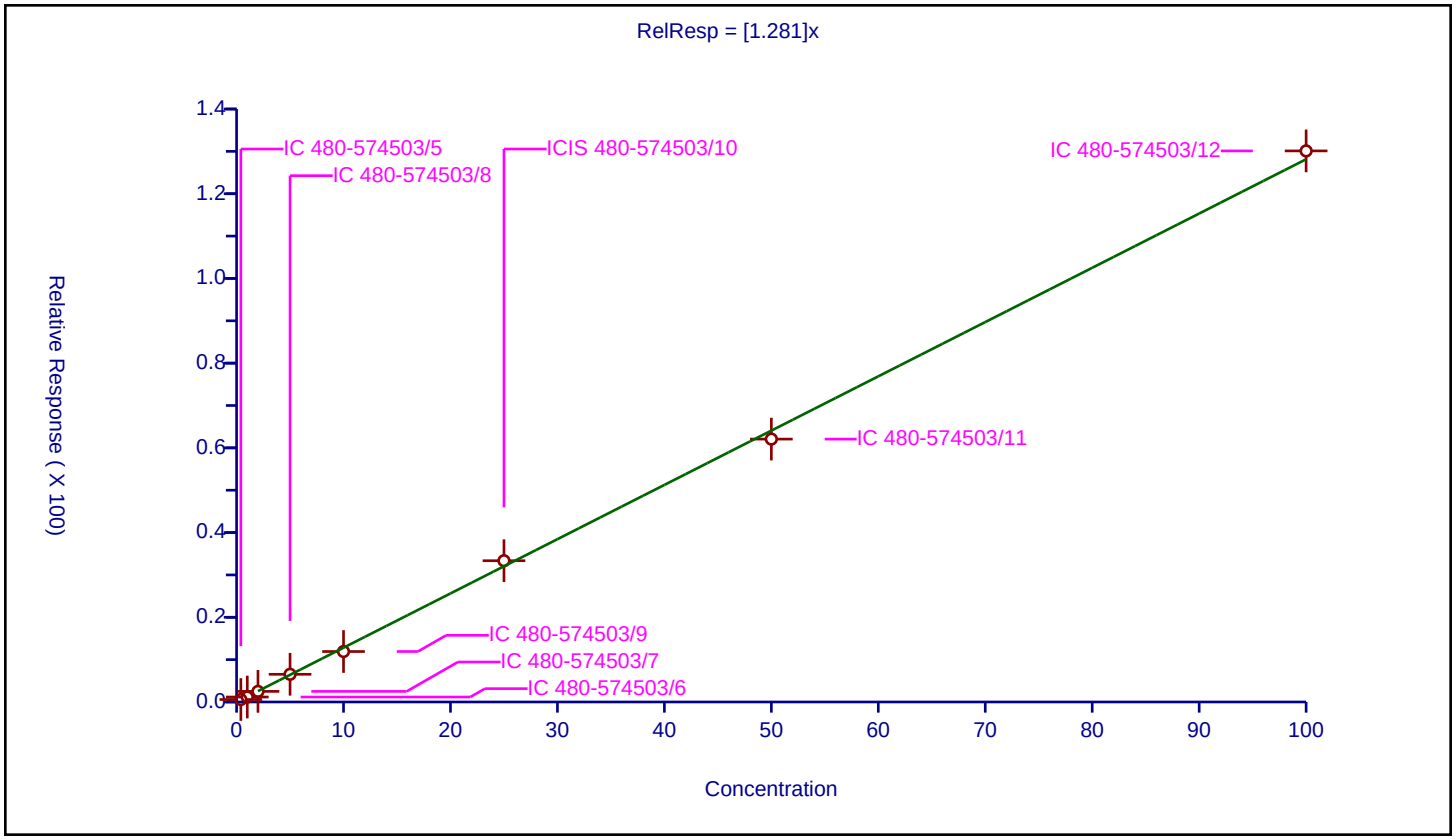
Curve Coefficients

Intercept:	0
Slope:	1.281

Error Coefficients

Standard Error:	392000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.580911	25.0	157167.0	1.452277	Y
2	IC 480-574503/6	1.0	1.171591	25.0	177451.0	1.171591	Y
3	IC 480-574503/7	2.0	2.502682	25.0	172455.0	1.251341	Y
4	IC 480-574503/8	5.0	6.53753	25.0	175525.0	1.307506	Y
5	IC 480-574503/9	10.0	11.915924	25.0	181098.0	1.191592	Y
6	ICIS 480-574503/10	25.0	33.352699	25.0	161364.0	1.334108	Y
7	IC 480-574503/11	50.0	62.071238	25.0	180986.0	1.241425	Y
8	IC 480-574503/12	100.0	130.107143	25.0	173507.0	1.301071	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

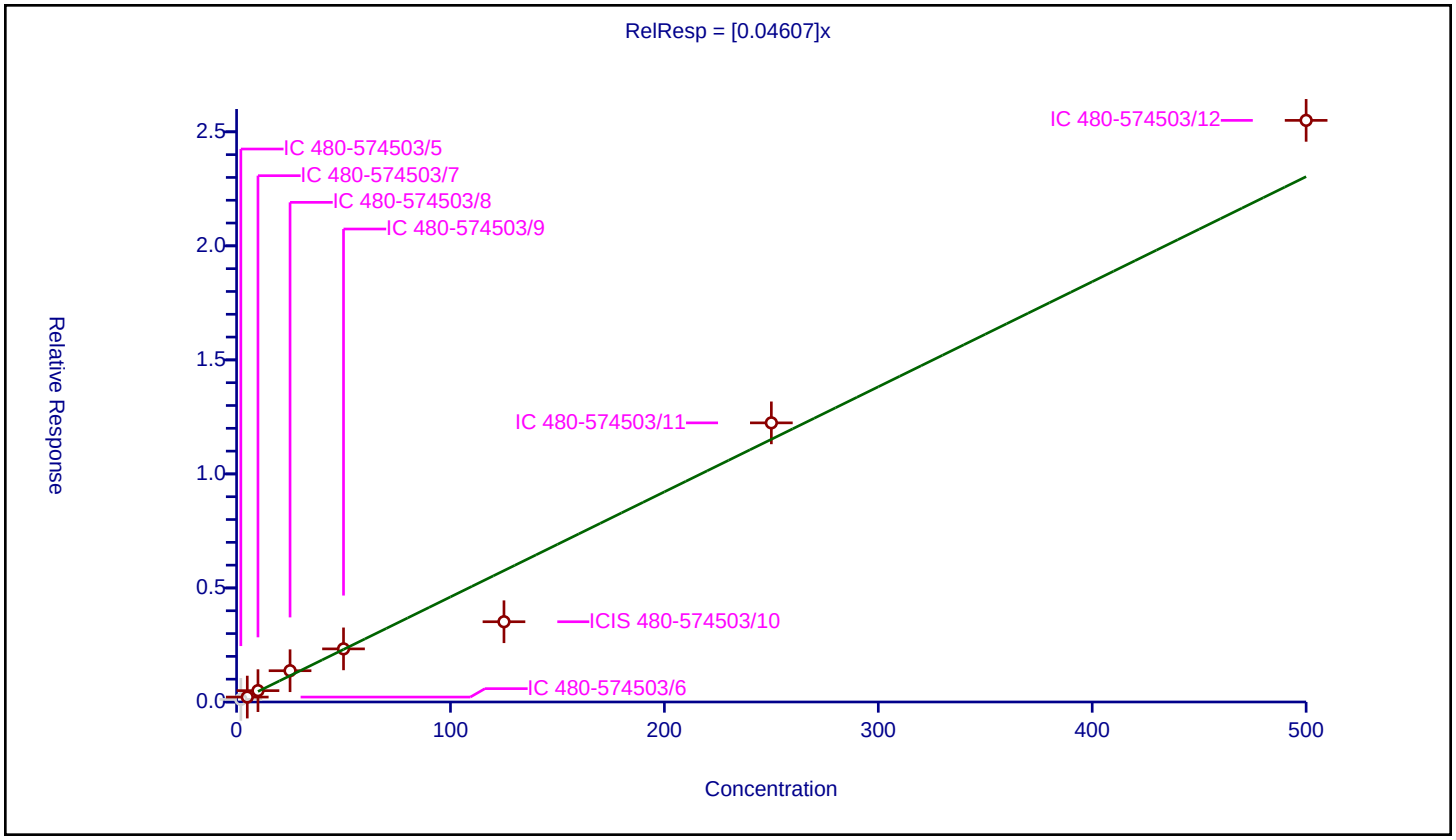
Curve Coefficients

Intercept:	0
Slope:	0.04607

Error Coefficients

Standard Error:	81700
Relative Standard Error:	18.8
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.953

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	2.0	0.114528	25.0	157167.0	0.057264	N
2	IC 480-574503/6	5.0	0.216257	25.0	177451.0	0.043251	Y
3	IC 480-574503/7	10.0	0.497376	25.0	172455.0	0.049738	Y
4	IC 480-574503/8	25.0	1.37046	25.0	175525.0	0.054818	Y
5	IC 480-574503/9	50.0	2.328573	25.0	181098.0	0.046571	Y
6	ICIS 480-574503/10	125.0	3.518443	25.0	161364.0	0.028148	Y
7	IC 480-574503/11	250.0	12.239206	25.0	180986.0	0.048957	Y
8	IC 480-574503/12	500.0	25.501997	25.0	173507.0	0.051004	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

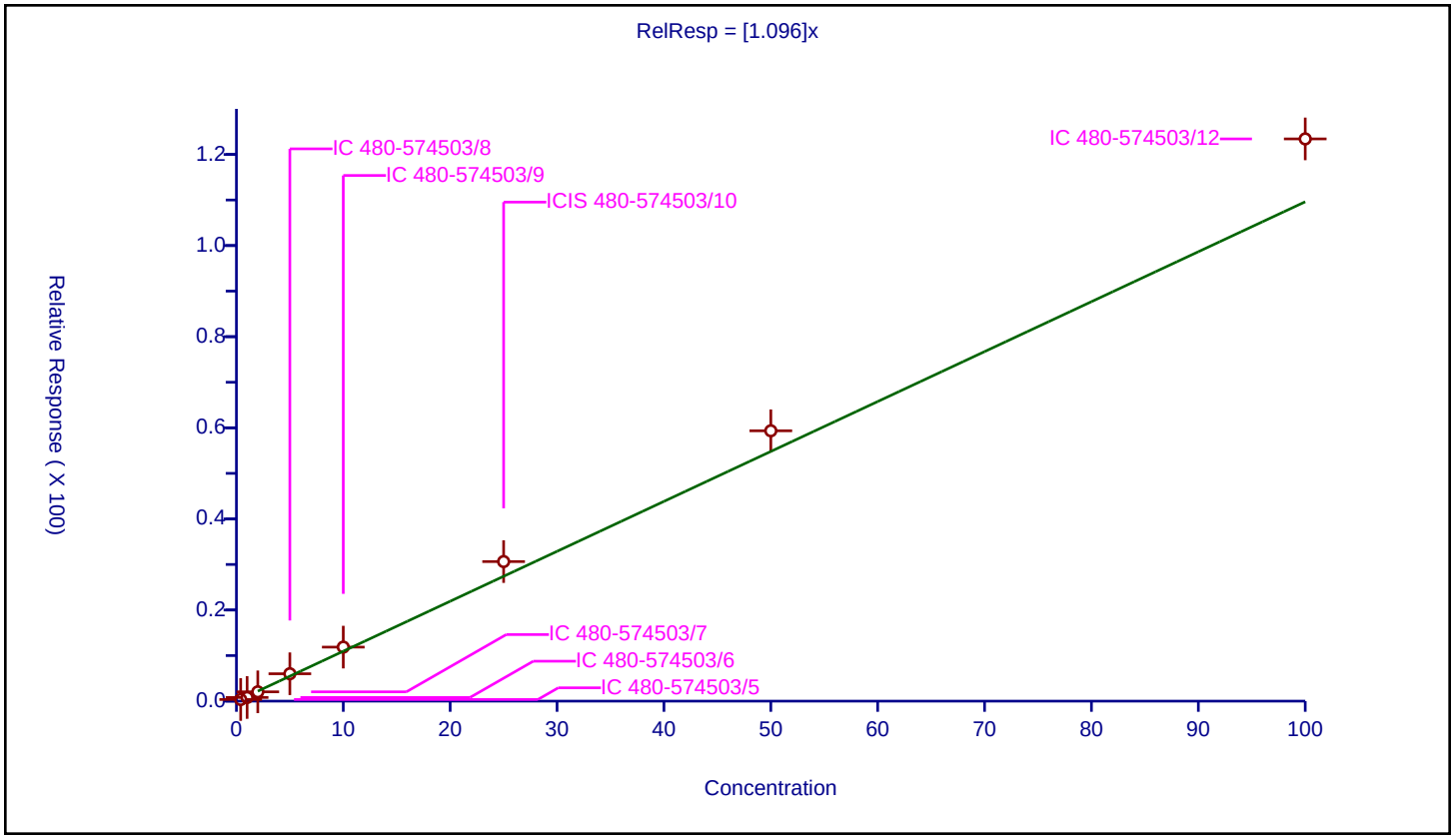
Curve Coefficients

Intercept:	0
Slope:	1.096

Error Coefficients

Standard Error:	372000
Relative Standard Error:	15.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.361876	25.0	157167.0	0.904691	Y
2	IC 480-574503/6	1.0	0.806279	25.0	177451.0	0.806279	Y
3	IC 480-574503/7	2.0	2.044736	25.0	172455.0	1.022368	Y
4	IC 480-574503/8	5.0	6.013673	25.0	175525.0	1.202735	Y
5	IC 480-574503/9	10.0	11.860153	25.0	181098.0	1.186015	Y
6	ICIS 480-574503/10	25.0	30.63617	25.0	161364.0	1.225447	Y
7	IC 480-574503/11	50.0	59.341883	25.0	180986.0	1.186838	Y
8	IC 480-574503/12	100.0	123.413032	25.0	173507.0	1.23413	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

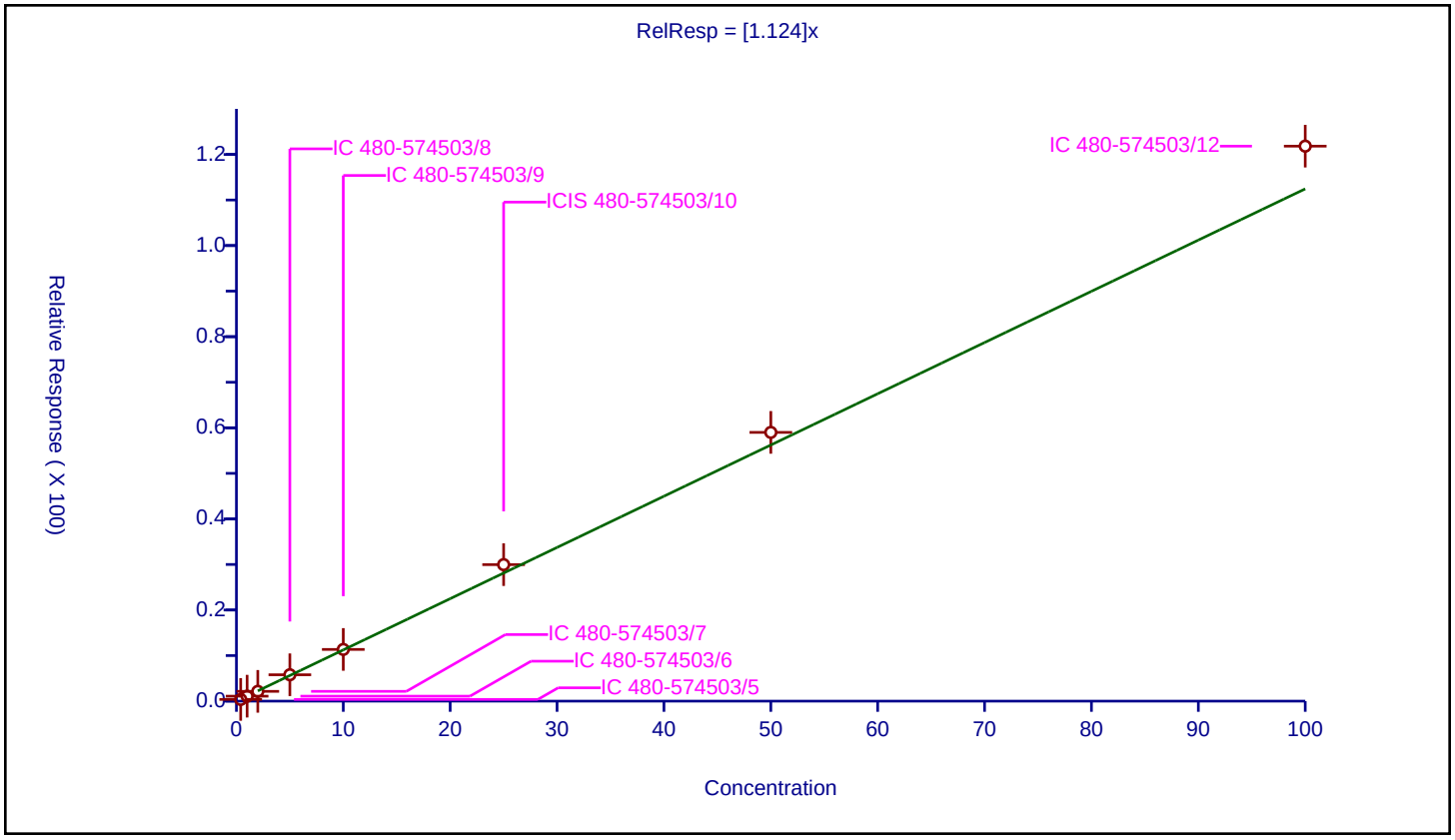
Curve Coefficients

Intercept:	0
Slope:	1.124

Error Coefficients

Standard Error:	367000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.376033	25.0	157167.0	0.940083	Y
2	IC 480-574503/6	1.0	1.090724	25.0	177451.0	1.090724	Y
3	IC 480-574503/7	2.0	2.150706	25.0	172455.0	1.075353	Y
4	IC 480-574503/8	5.0	5.790913	25.0	175525.0	1.158183	Y
5	IC 480-574503/9	10.0	11.347585	25.0	181098.0	1.134759	Y
6	ICIS 480-574503/10	25.0	29.962538	25.0	161364.0	1.198502	Y
7	IC 480-574503/11	50.0	58.99227	25.0	180986.0	1.179845	Y
8	IC 480-574503/12	100.0	121.821742	25.0	173507.0	1.218217	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

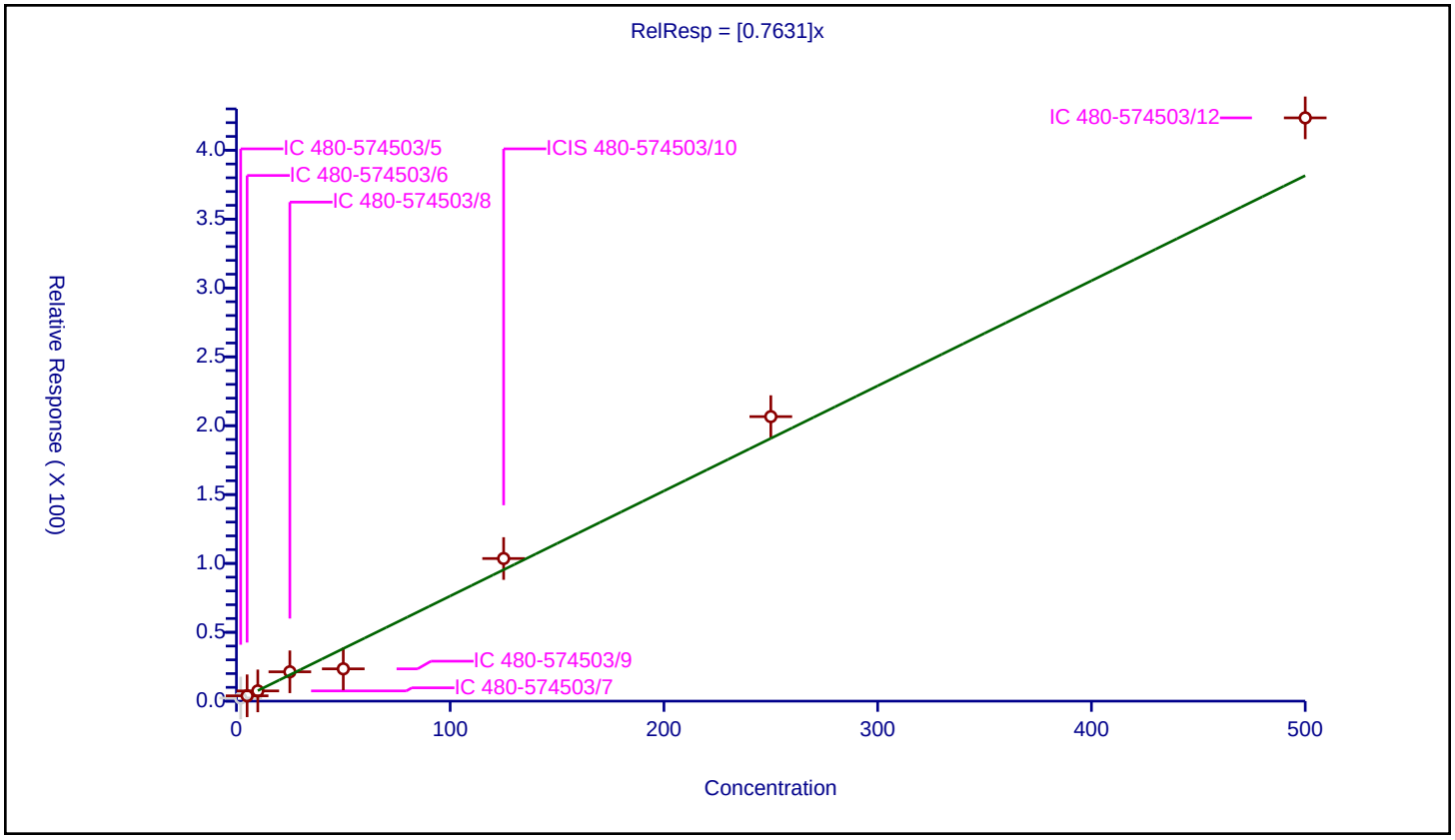
Curve Coefficients

Intercept:	0
Slope:	0.7631

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	17.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	2.0	2.2799	25.0	157167.0	1.13995	N
2	IC 480-574503/6	5.0	3.875013	25.0	177451.0	0.775003	Y
3	IC 480-574503/7	10.0	7.436143	25.0	172455.0	0.743614	Y
4	IC 480-574503/8	25.0	21.30366	25.0	175525.0	0.852146	Y
5	IC 480-574503/9	50.0	23.45498	25.0	181098.0	0.4691	Y
6	ICIS 480-574503/10	125.0	103.540598	25.0	161364.0	0.828325	Y
7	IC 480-574503/11	250.0	206.568602	25.0	180986.0	0.826274	Y
8	IC 480-574503/12	500.0	423.490983	25.0	173507.0	0.846982	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

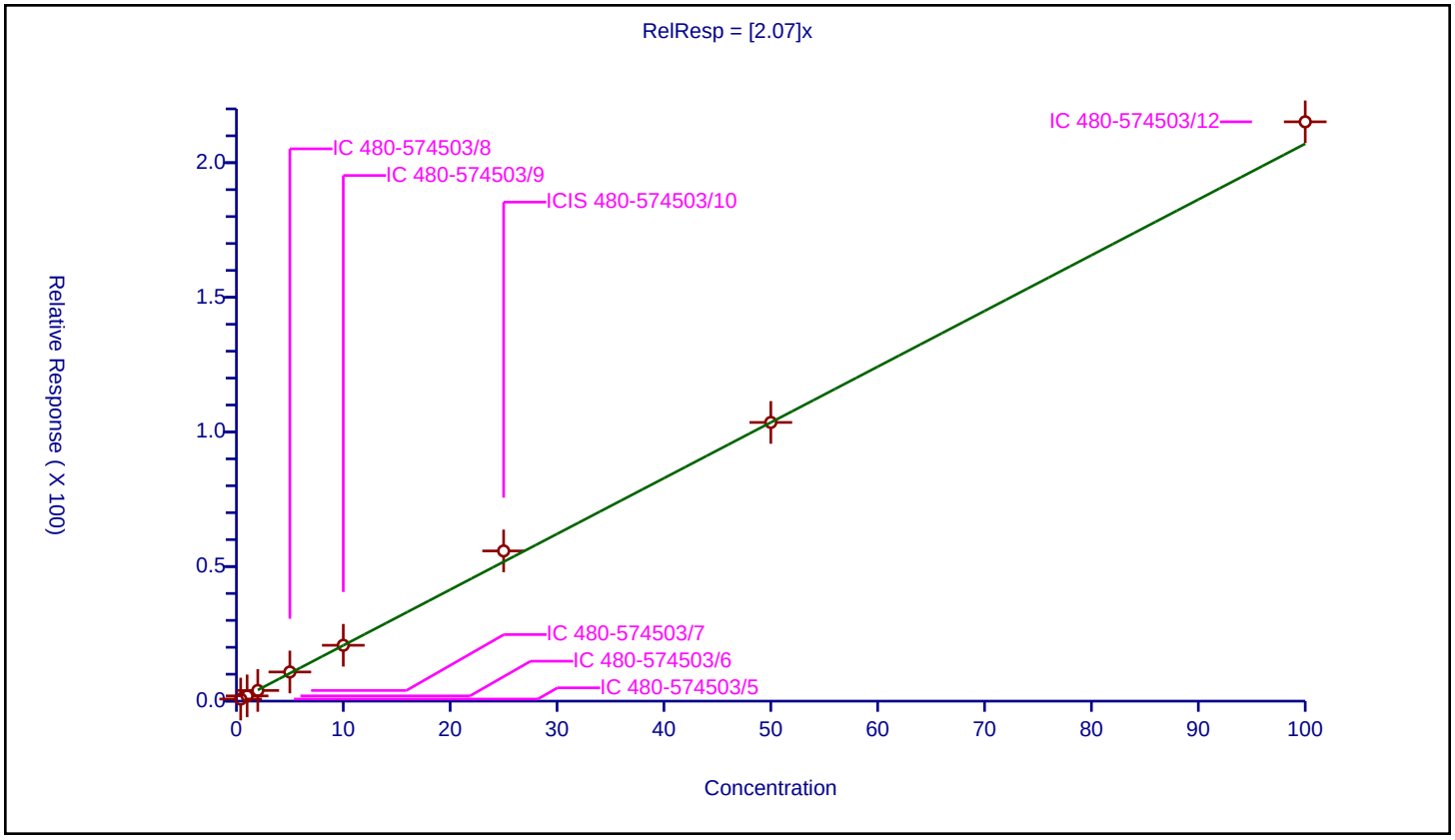
Curve Coefficients

Intercept:	0
Slope:	2.07

Error Coefficients

Standard Error:	649000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.779108	25.0	157167.0	1.947769	Y
2	IC 480-574503/6	1.0	1.939831	25.0	177451.0	1.939831	Y
3	IC 480-574503/7	2.0	3.961758	25.0	172455.0	1.980879	Y
4	IC 480-574503/8	5.0	10.827517	25.0	175525.0	2.165503	Y
5	IC 480-574503/9	10.0	20.752576	25.0	181098.0	2.075258	Y
6	ICIS 480-574503/10	25.0	55.797297	25.0	161364.0	2.231892	Y
7	IC 480-574503/11	50.0	103.533699	25.0	180986.0	2.070674	Y
8	IC 480-574503/12	100.0	215.200828	25.0	173507.0	2.152008	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

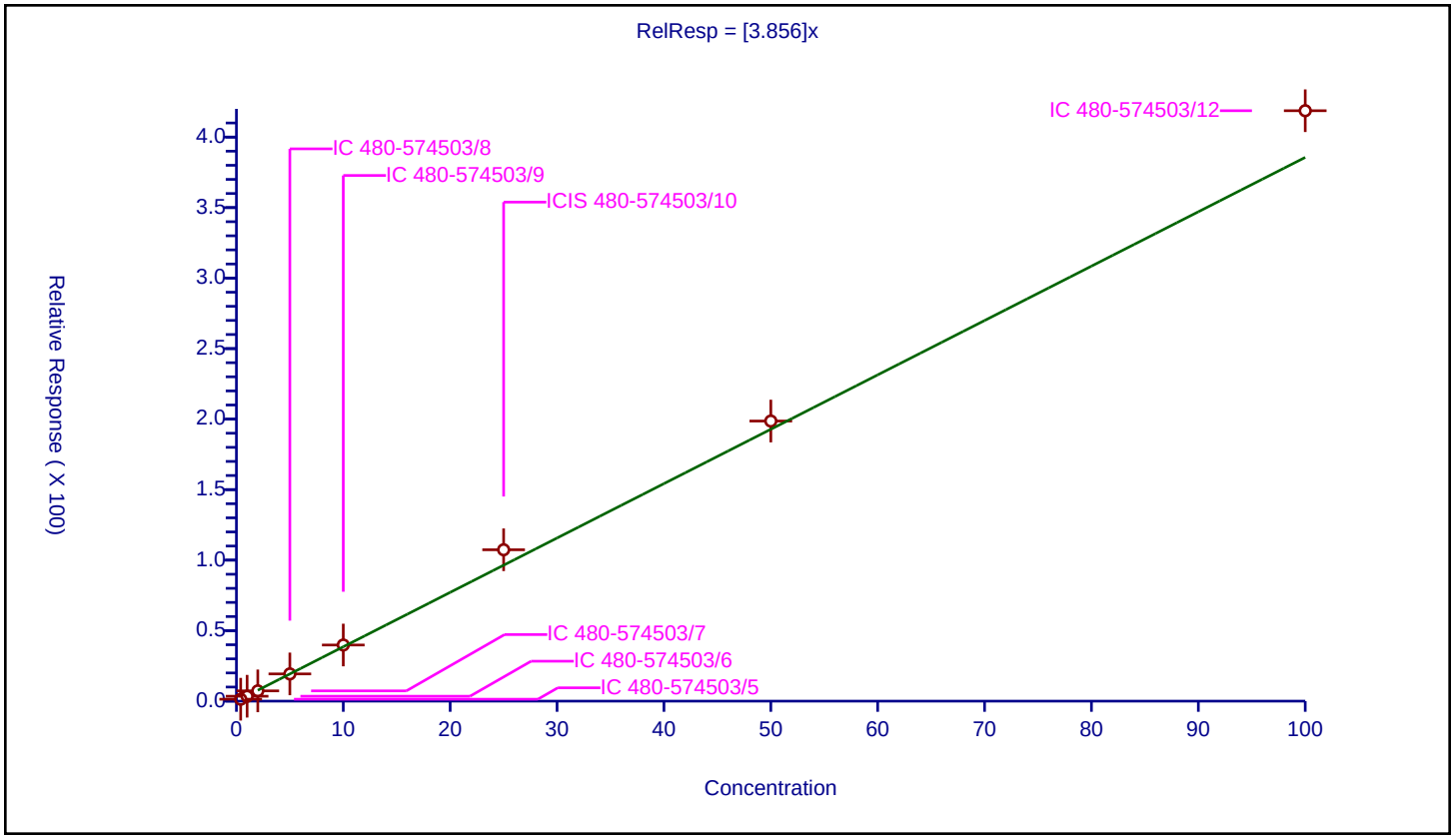
Curve Coefficients

Intercept:	0
Slope:	3.856

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	1.370517	25.0	157167.0	3.426292	Y
2	IC 480-574503/6	1.0	3.487301	25.0	177451.0	3.487301	Y
3	IC 480-574503/7	2.0	7.275086	25.0	172455.0	3.637543	Y
4	IC 480-574503/8	5.0	19.306224	25.0	175525.0	3.861245	Y
5	IC 480-574503/9	10.0	39.814355	25.0	181098.0	3.981435	Y
6	ICIS 480-574503/10	25.0	107.353406	25.0	161364.0	4.294136	Y
7	IC 480-574503/11	50.0	198.638431	25.0	180986.0	3.972769	Y
8	IC 480-574503/12	100.0	418.69305	25.0	173507.0	4.18693	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

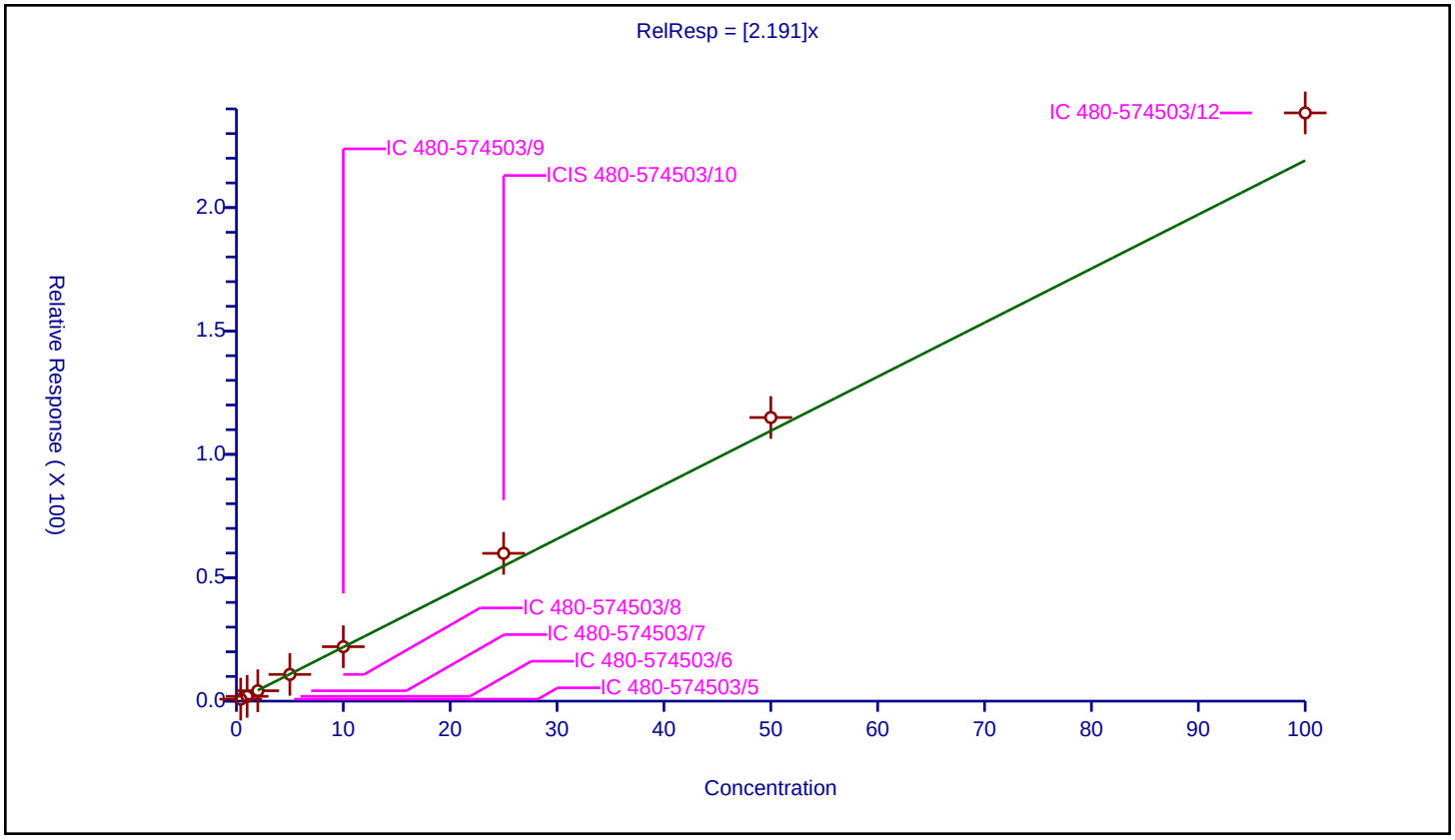
Curve Coefficients

Intercept:	0
Slope:	2.191

Error Coefficients

Standard Error:	718000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.80933	25.0	157167.0	2.023326	Y
2	IC 480-574503/6	1.0	1.944762	25.0	177451.0	1.944762	Y
3	IC 480-574503/7	2.0	4.218782	25.0	172455.0	2.109391	Y
4	IC 480-574503/8	5.0	10.827945	25.0	175525.0	2.165589	Y
5	IC 480-574503/9	10.0	22.064021	25.0	181098.0	2.206402	Y
6	ICIS 480-574503/10	25.0	59.892696	25.0	161364.0	2.395708	Y
7	IC 480-574503/11	50.0	114.941211	25.0	180986.0	2.298824	Y
8	IC 480-574503/12	100.0	238.372371	25.0	173507.0	2.383724	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

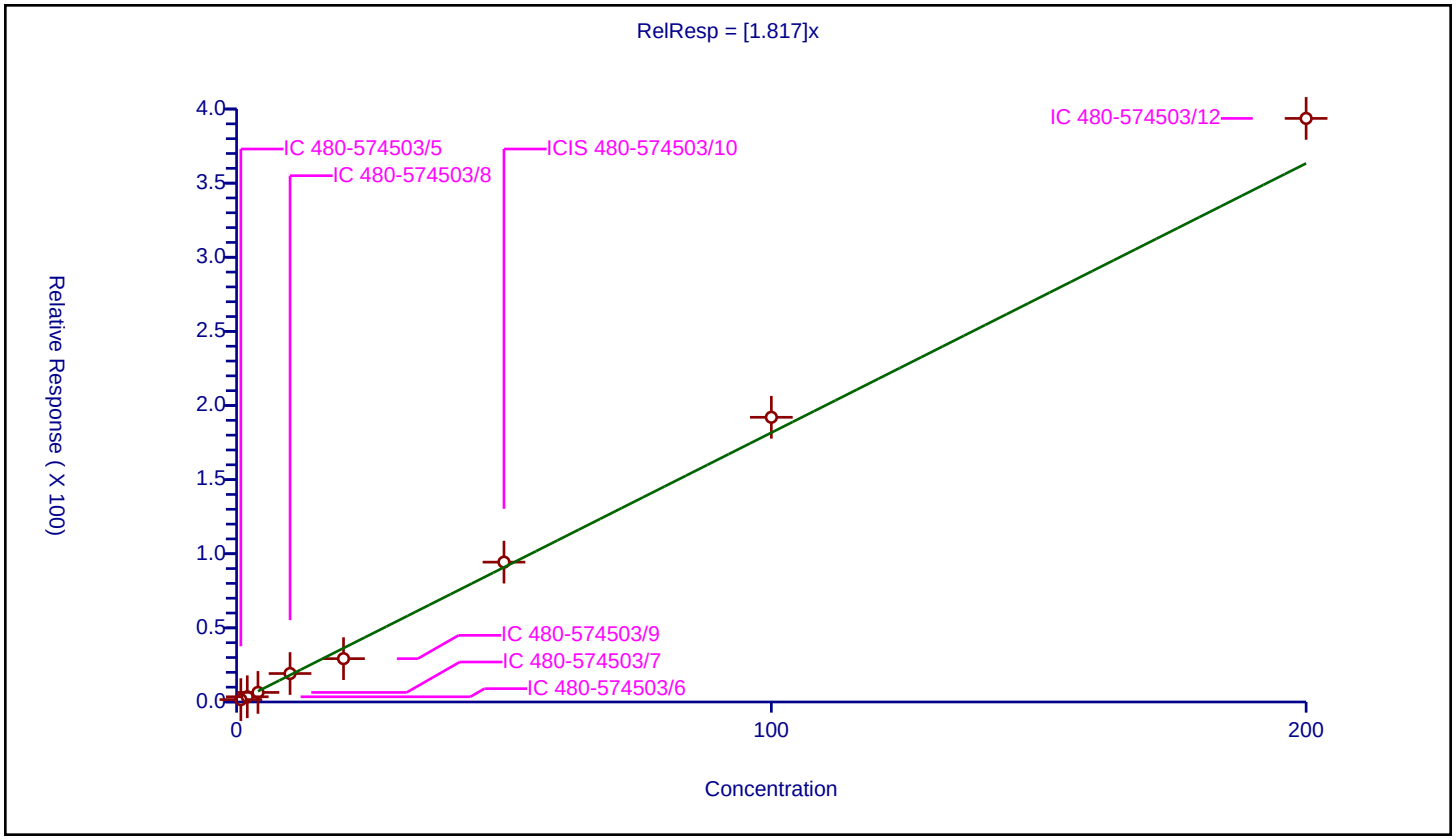
Curve Coefficients

Intercept:	0
Slope:	1.817

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	10.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.8	1.606889	25.0	157167.0	2.008612	Y
2	IC 480-574503/6	2.0	3.513364	25.0	177451.0	1.756682	Y
3	IC 480-574503/7	4.0	6.441535	25.0	172455.0	1.610384	Y
4	IC 480-574503/8	10.0	19.200114	25.0	175525.0	1.920011	Y
5	IC 480-574503/9	20.0	29.239555	25.0	181098.0	1.461978	Y
6	ICIS 480-574503/10	50.0	94.338886	25.0	161364.0	1.886778	Y
7	IC 480-574503/11	100.0	192.058087	25.0	180986.0	1.920581	Y
8	IC 480-574503/12	200.0	393.659766	25.0	173507.0	1.968299	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

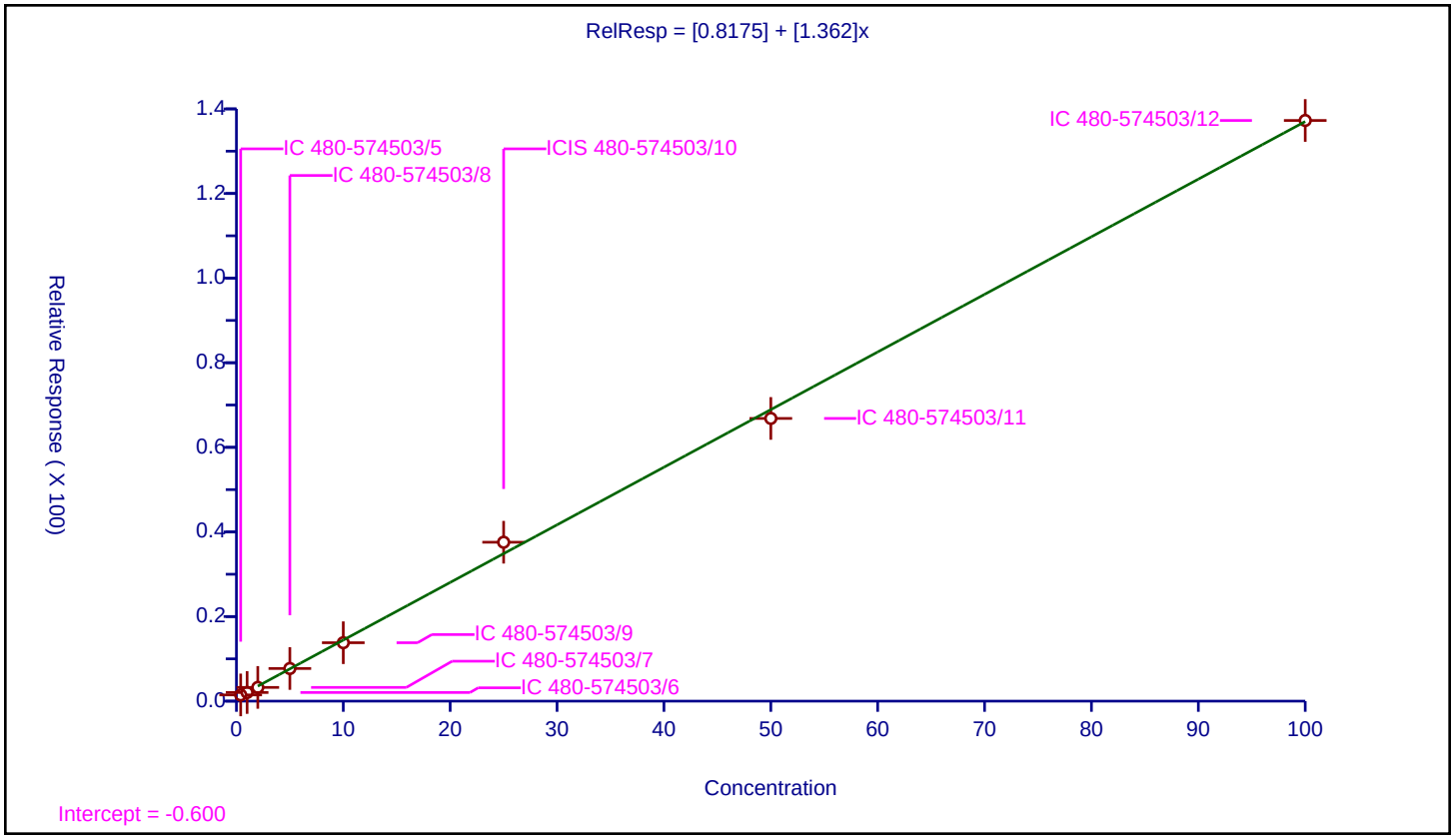
Curve Coefficients

Intercept:	0.8175
Slope:	1.362

Error Coefficients

Standard Error:	450000
Relative Standard Error:	10.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	1.467706	25.0	157167.0	3.669266	Y
2	IC 480-574503/6	1.0	2.040704	25.0	177451.0	2.040704	Y
3	IC 480-574503/7	2.0	3.244615	25.0	172455.0	1.622307	Y
4	IC 480-574503/8	5.0	7.714571	25.0	175525.0	1.542914	Y
5	IC 480-574503/9	10.0	13.811169	25.0	181098.0	1.381117	Y
6	ICIS 480-574503/10	25.0	37.567239	25.0	161364.0	1.50269	Y
7	IC 480-574503/11	50.0	66.83086	25.0	180986.0	1.336617	Y
8	IC 480-574503/12	100.0	137.264203	25.0	173507.0	1.372642	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

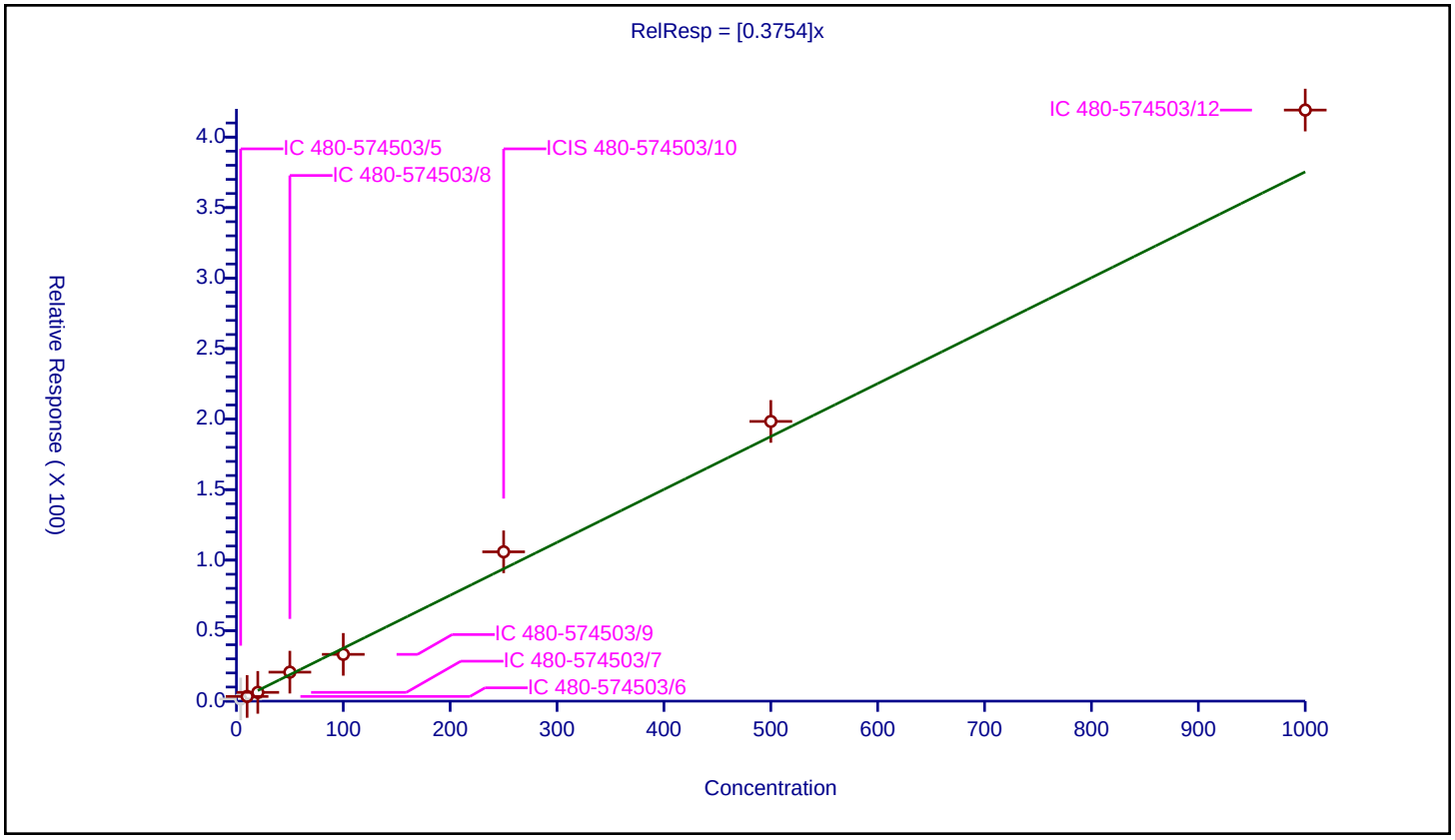
Curve Coefficients

Intercept:	0
Slope:	0.3754

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	12.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	4.0	1.554875	25.0	157167.0	0.388719	N
2	IC 480-574503/6	10.0	3.338527	25.0	177451.0	0.333853	Y
3	IC 480-574503/7	20.0	6.221768	25.0	172455.0	0.311088	Y
4	IC 480-574503/8	50.0	20.559892	25.0	175525.0	0.411198	Y
5	IC 480-574503/9	100.0	33.18093	25.0	181098.0	0.331809	Y
6	ICIS 480-574503/10	250.0	105.902494	25.0	161364.0	0.42361	Y
7	IC 480-574503/11	500.0	198.371421	25.0	180986.0	0.396743	Y
8	IC 480-574503/12	1000.0	419.16767	25.0	173507.0	0.419168	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

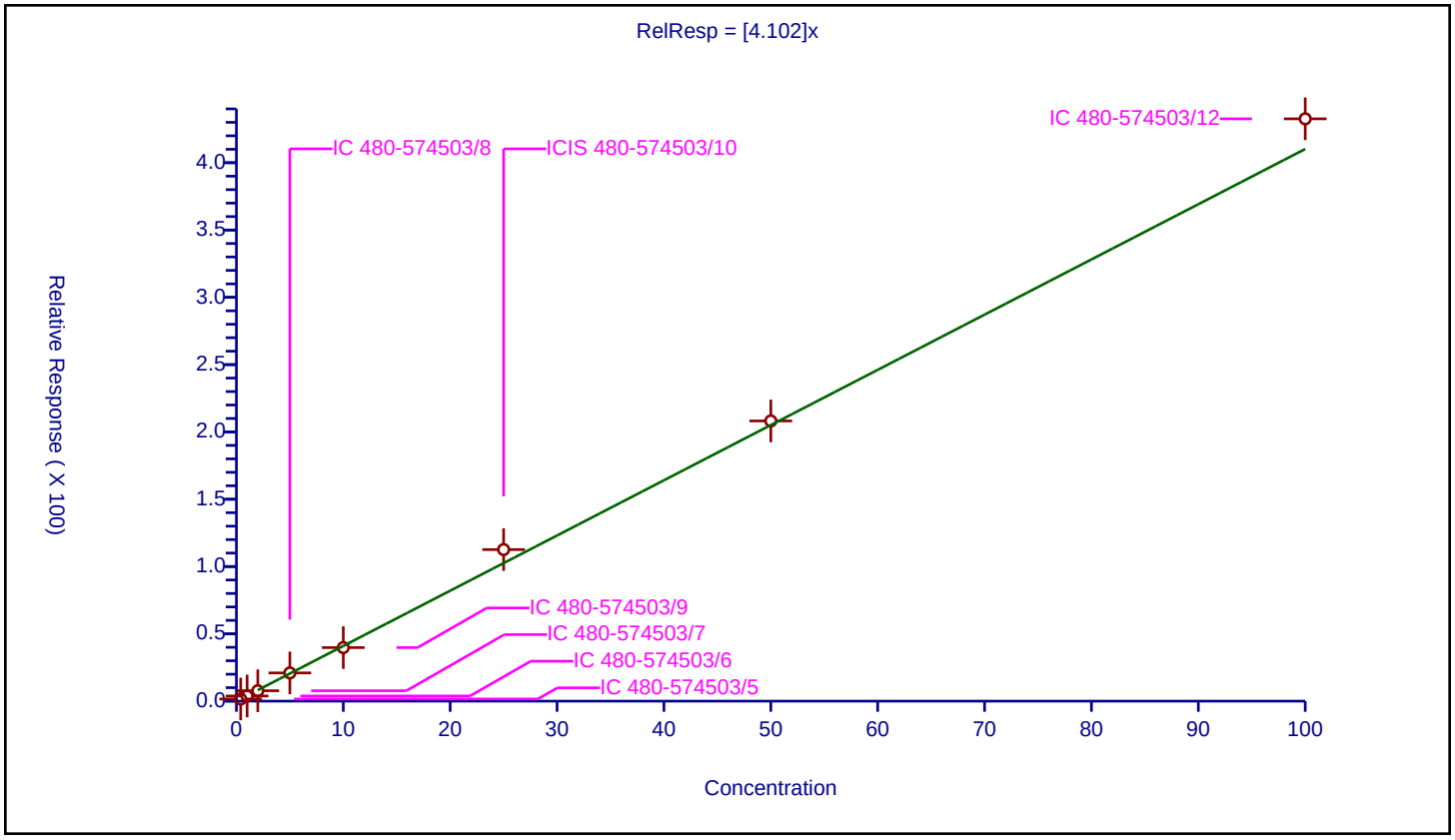
Curve Coefficients

Intercept:	0
Slope:	4.102

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	1.587642	25.0	157167.0	3.969106	Y
2	IC 480-574503/6	1.0	3.82021	25.0	177451.0	3.82021	Y
3	IC 480-574503/7	2.0	7.725639	25.0	172455.0	3.862819	Y
4	IC 480-574503/8	5.0	20.956844	25.0	175525.0	4.191369	Y
5	IC 480-574503/9	10.0	39.772665	25.0	181098.0	3.977266	Y
6	ICIS 480-574503/10	25.0	112.605972	25.0	161364.0	4.504239	Y
7	IC 480-574503/11	50.0	208.173008	25.0	180986.0	4.16346	Y
8	IC 480-574503/12	100.0	432.614534	25.0	173507.0	4.326145	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

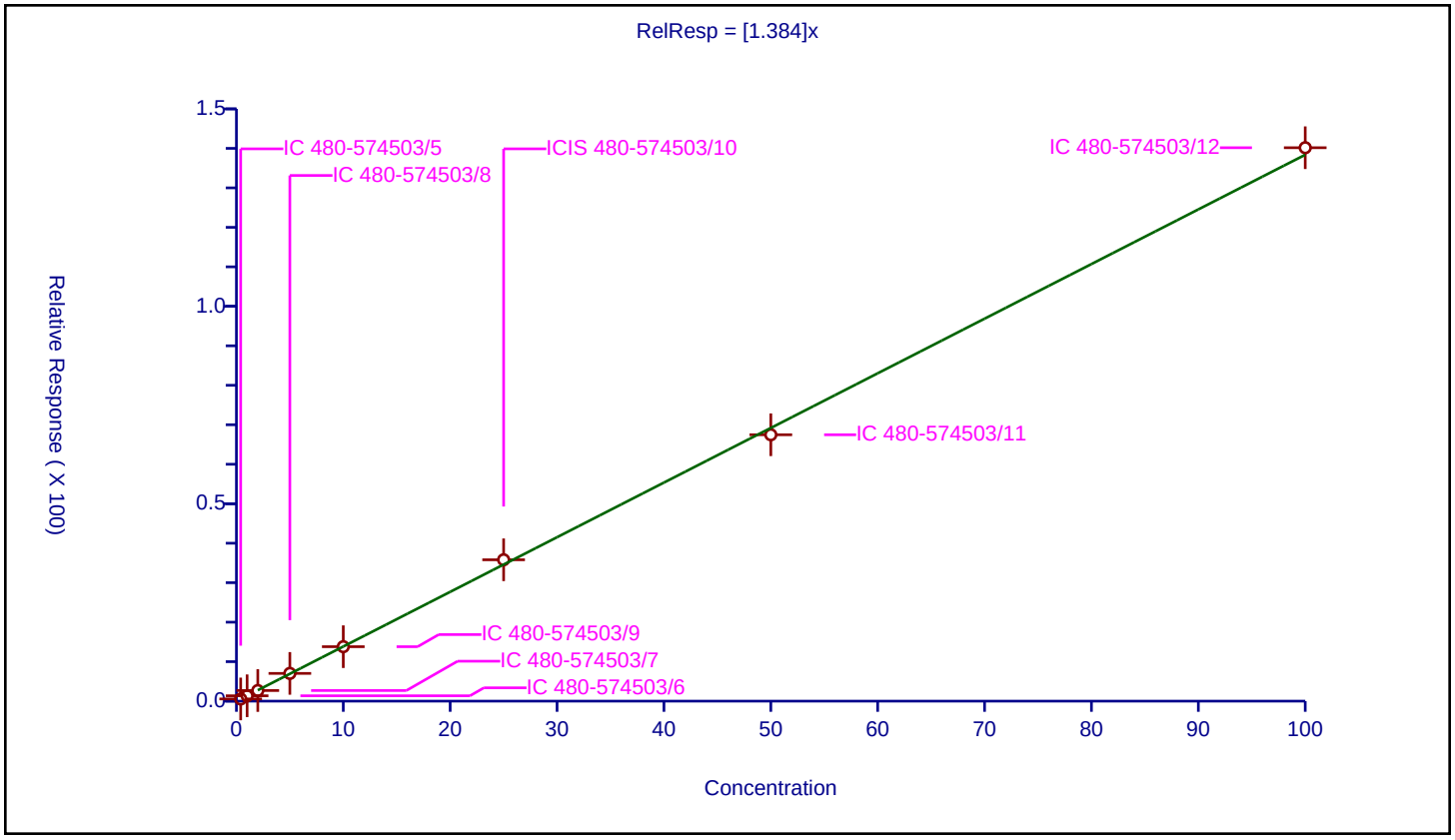
Curve Coefficients

Intercept:	0
Slope:	1.384

Error Coefficients

Standard Error:	423000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.559278	25.0	157167.0	1.398194	Y
2	IC 480-574503/6	1.0	1.361362	25.0	177451.0	1.361362	Y
3	IC 480-574503/7	2.0	2.685918	25.0	172455.0	1.342959	Y
4	IC 480-574503/8	5.0	7.02521	25.0	175525.0	1.405042	Y
5	IC 480-574503/9	10.0	13.794741	25.0	181098.0	1.379474	Y
6	ICIS 480-574503/10	25.0	35.805849	25.0	161364.0	1.432234	Y
7	IC 480-574503/11	50.0	67.465163	25.0	180986.0	1.349303	Y
8	IC 480-574503/12	100.0	140.165959	25.0	173507.0	1.40166	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

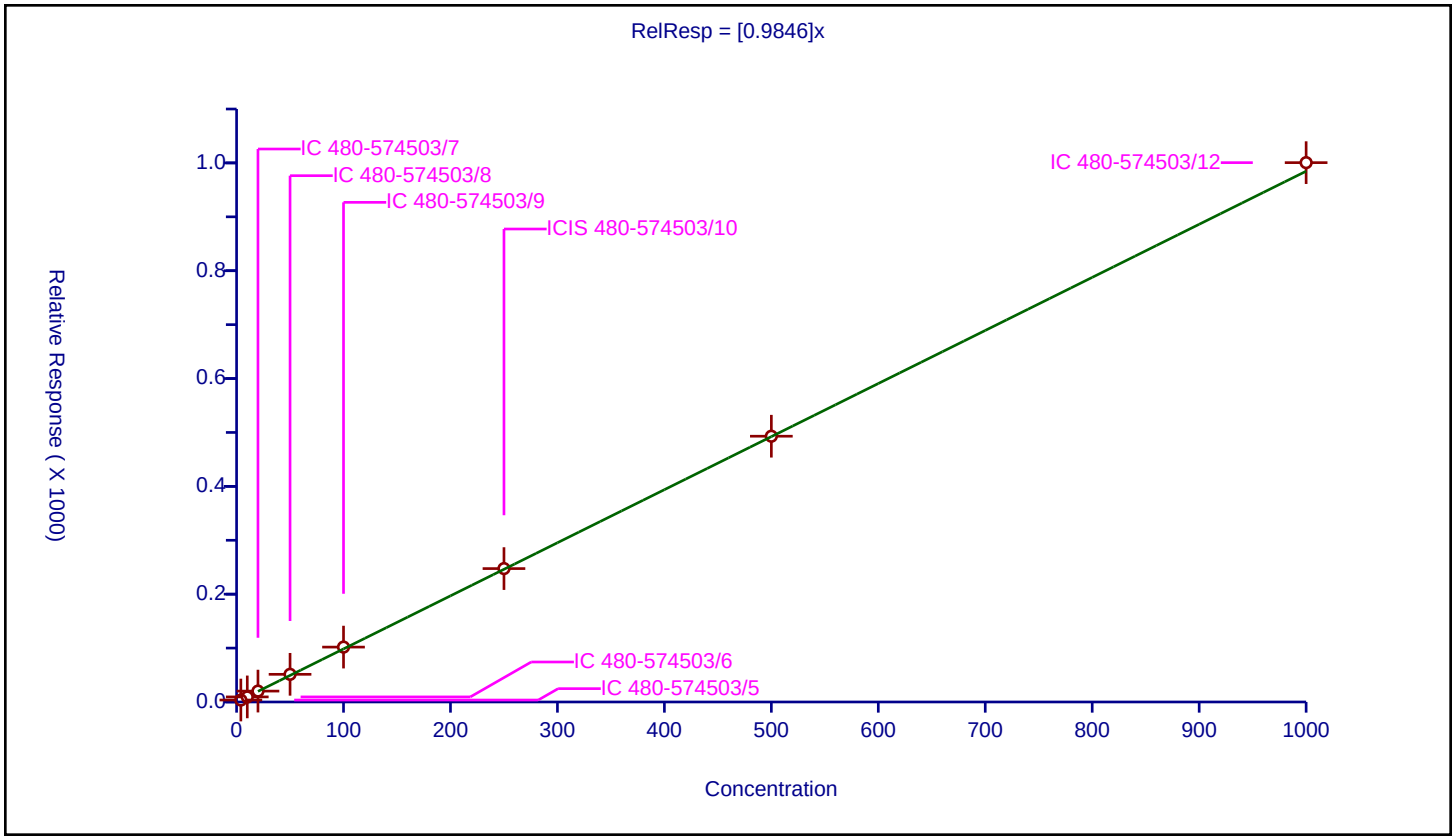
Curve Coefficients

Intercept:	0
Slope:	0.9846

Error Coefficients

Standard Error:	3030000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	4.0	3.617331	25.0	157167.0	0.904333	Y
2	IC 480-574503/6	10.0	9.406963	25.0	177451.0	0.940696	Y
3	IC 480-574503/7	20.0	20.2102	25.0	172455.0	1.01051	Y
4	IC 480-574503/8	50.0	51.314628	25.0	175525.0	1.026293	Y
5	IC 480-574503/9	100.0	101.851898	25.0	181098.0	1.018519	Y
6	ICIS 480-574503/10	250.0	247.445992	25.0	161364.0	0.989784	Y
7	IC 480-574503/11	500.0	493.028881	25.0	180986.0	0.986058	Y
8	IC 480-574503/12	1000.0	1000.531391	25.0	173507.0	1.000531	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

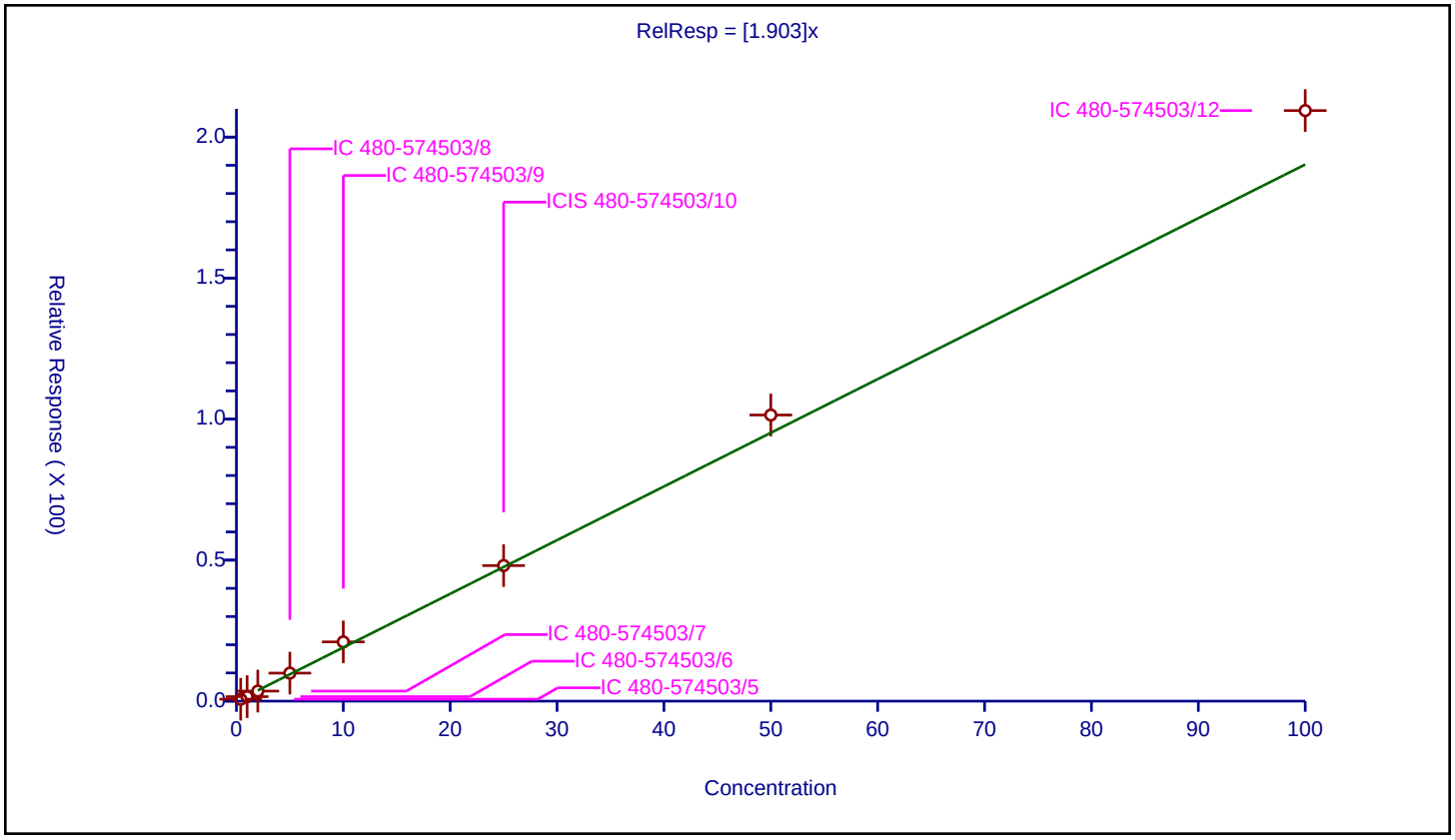
Curve Coefficients

Intercept:	0
Slope:	1.903

Error Coefficients

Standard Error:	630000
Relative Standard Error:	9.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.685417	25.0	157167.0	1.713544	Y
2	IC 480-574503/6	1.0	1.589876	25.0	177451.0	1.589876	Y
3	IC 480-574503/7	2.0	3.569627	25.0	172455.0	1.784813	Y
4	IC 480-574503/8	5.0	9.93961	25.0	175525.0	1.987922	Y
5	IC 480-574503/9	10.0	21.007134	25.0	181098.0	2.100713	Y
6	ICIS 480-574503/10	25.0	48.066483	25.0	161364.0	1.922659	Y
7	IC 480-574503/11	50.0	101.455223	25.0	180986.0	2.029104	Y
8	IC 480-574503/12	100.0	209.398324	25.0	173507.0	2.093983	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

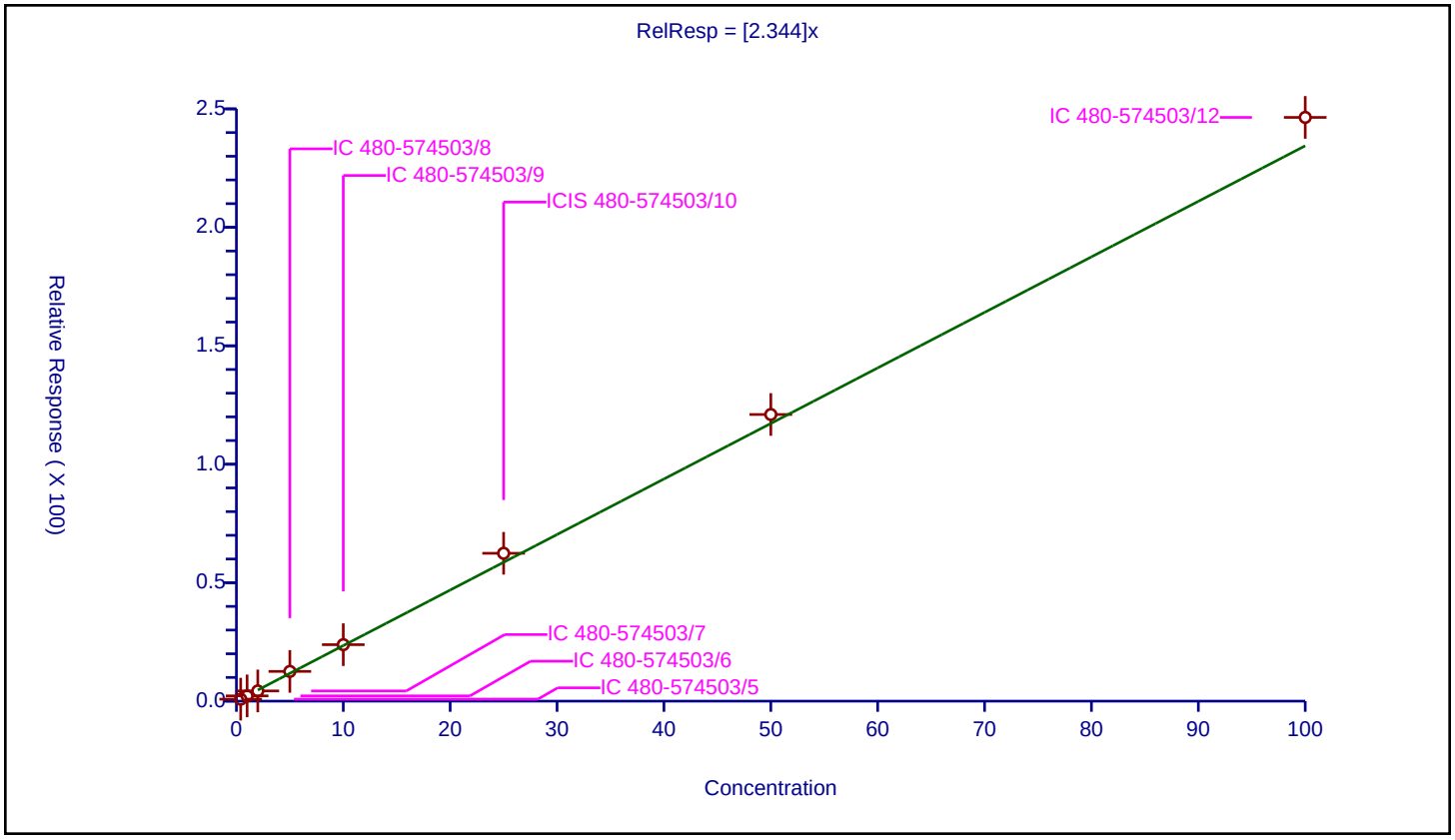
Curve Coefficients

Intercept:	0
Slope:	2.344

Error Coefficients

Standard Error:	746000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.839235	25.0	157167.0	2.098087	Y
2	IC 480-574503/6	1.0	2.221881	25.0	177451.0	2.221881	Y
3	IC 480-574503/7	2.0	4.315184	25.0	172455.0	2.157592	Y
4	IC 480-574503/8	5.0	12.552343	25.0	175525.0	2.510469	Y
5	IC 480-574503/9	10.0	23.844548	25.0	181098.0	2.384455	Y
6	ICIS 480-574503/10	25.0	62.414944	25.0	161364.0	2.496598	Y
7	IC 480-574503/11	50.0	120.997619	25.0	180986.0	2.419952	Y
8	IC 480-574503/12	100.0	246.404468	25.0	173507.0	2.464045	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

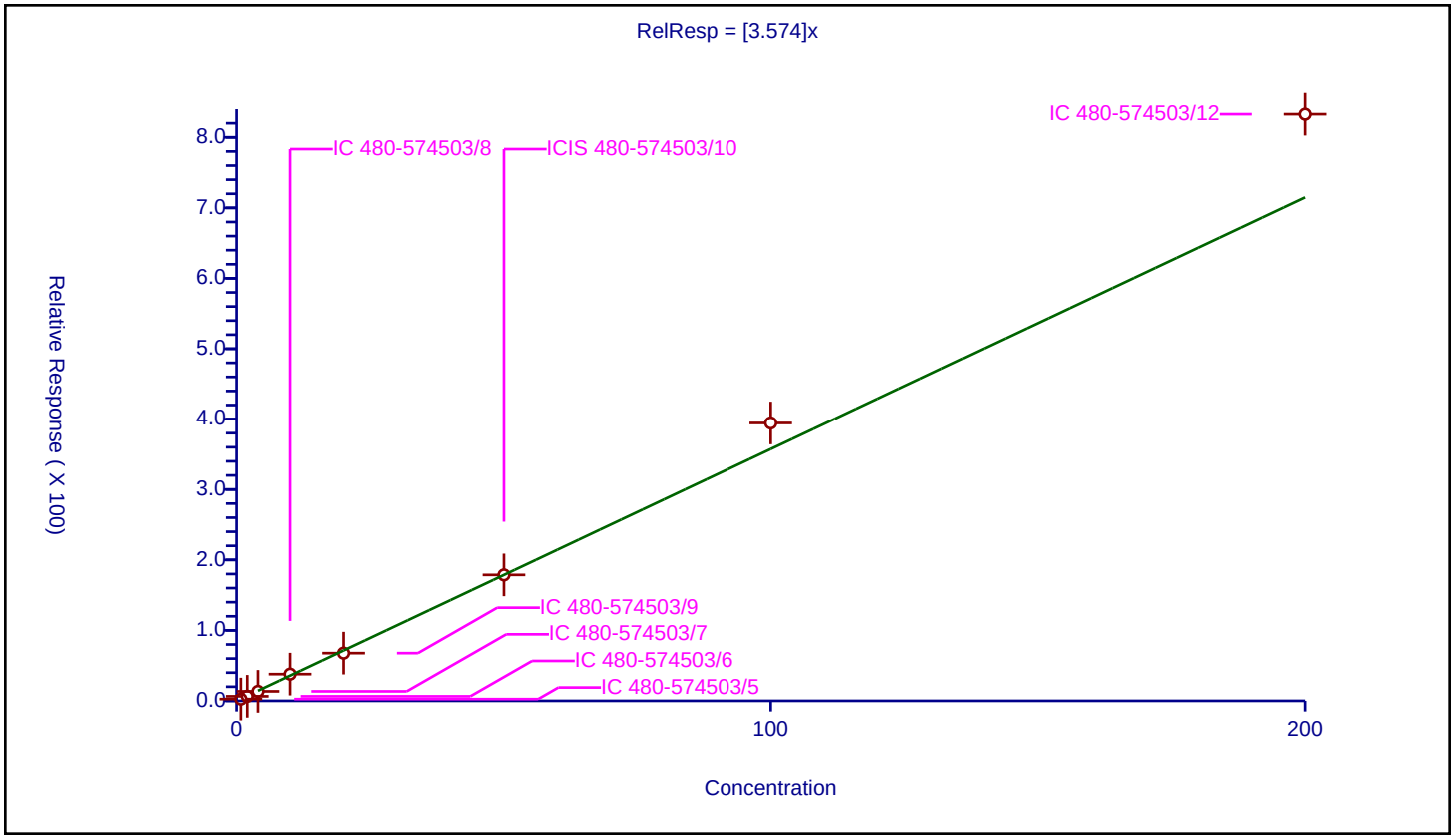
Curve Coefficients

Intercept:	0
Slope:	3.574

Error Coefficients

Standard Error:	2480000
Relative Standard Error:	10.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.8	2.515954	25.0	157167.0	3.144943	Y
2	IC 480-574503/6	2.0	6.444455	25.0	177451.0	3.222228	Y
3	IC 480-574503/7	4.0	13.475689	25.0	172455.0	3.368922	Y
4	IC 480-574503/8	10.0	37.889759	25.0	175525.0	3.788976	Y
5	IC 480-574503/9	20.0	67.730317	25.0	181098.0	3.386516	Y
6	ICIS 480-574503/10	50.0	178.721245	25.0	161364.0	3.574425	Y
7	IC 480-574503/11	100.0	394.514078	25.0	180986.0	3.945141	Y
8	IC 480-574503/12	200.0	832.84781	25.0	173507.0	4.164239	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

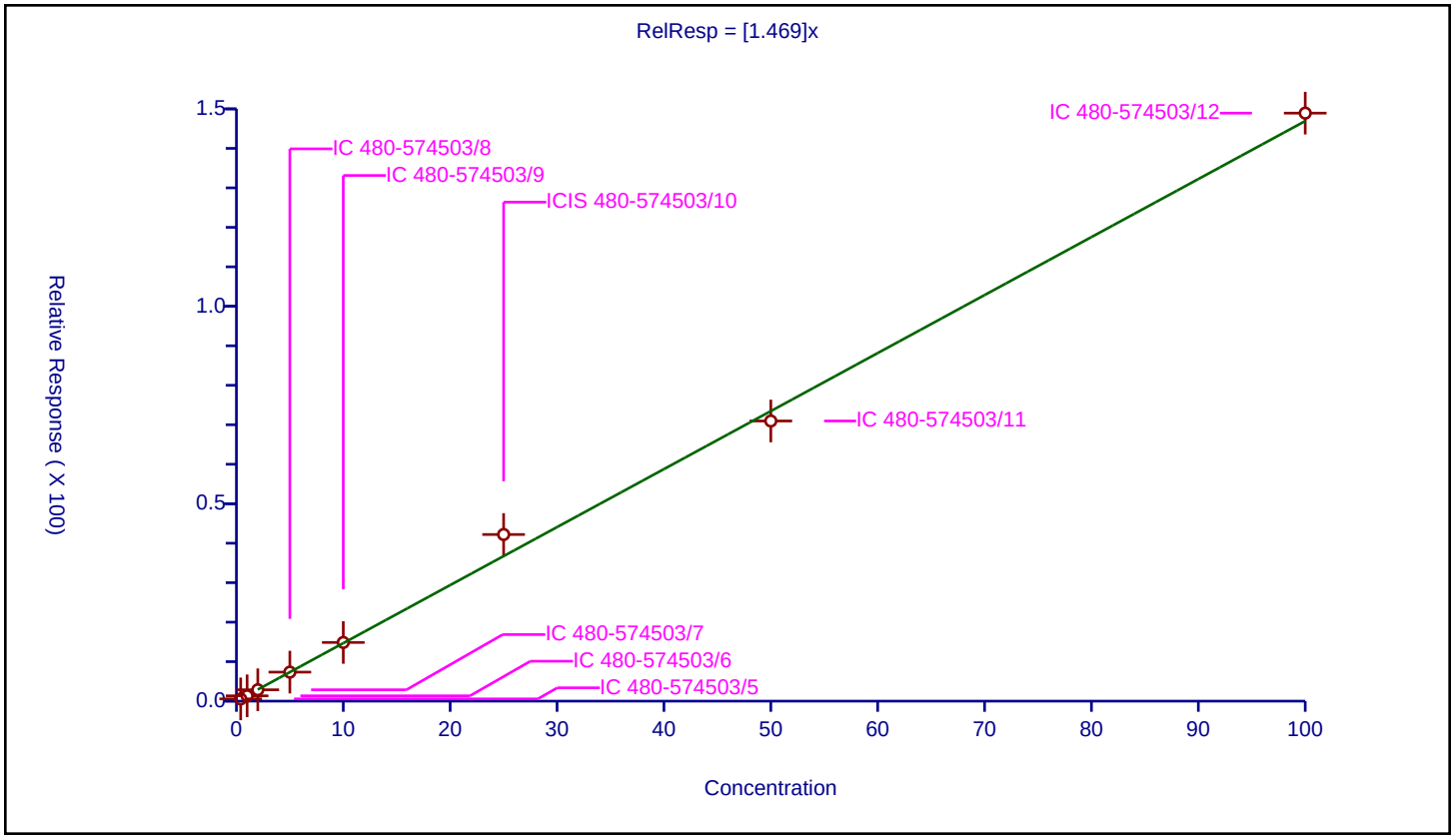
Curve Coefficients

Intercept:	0
Slope:	1.469

Error Coefficients

Standard Error:	451000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.566595	25.0	157167.0	1.416487	Y
2	IC 480-574503/6	1.0	1.34516	25.0	177451.0	1.34516	Y
3	IC 480-574503/7	2.0	2.879592	25.0	172455.0	1.439796	Y
4	IC 480-574503/8	5.0	7.347244	25.0	175525.0	1.469449	Y
5	IC 480-574503/9	10.0	14.862809	25.0	181098.0	1.486281	Y
6	ICIS 480-574503/10	25.0	42.201173	25.0	161364.0	1.688047	Y
7	IC 480-574503/11	50.0	70.956731	25.0	180986.0	1.419135	Y
8	IC 480-574503/12	100.0	148.929006	25.0	173507.0	1.48929	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

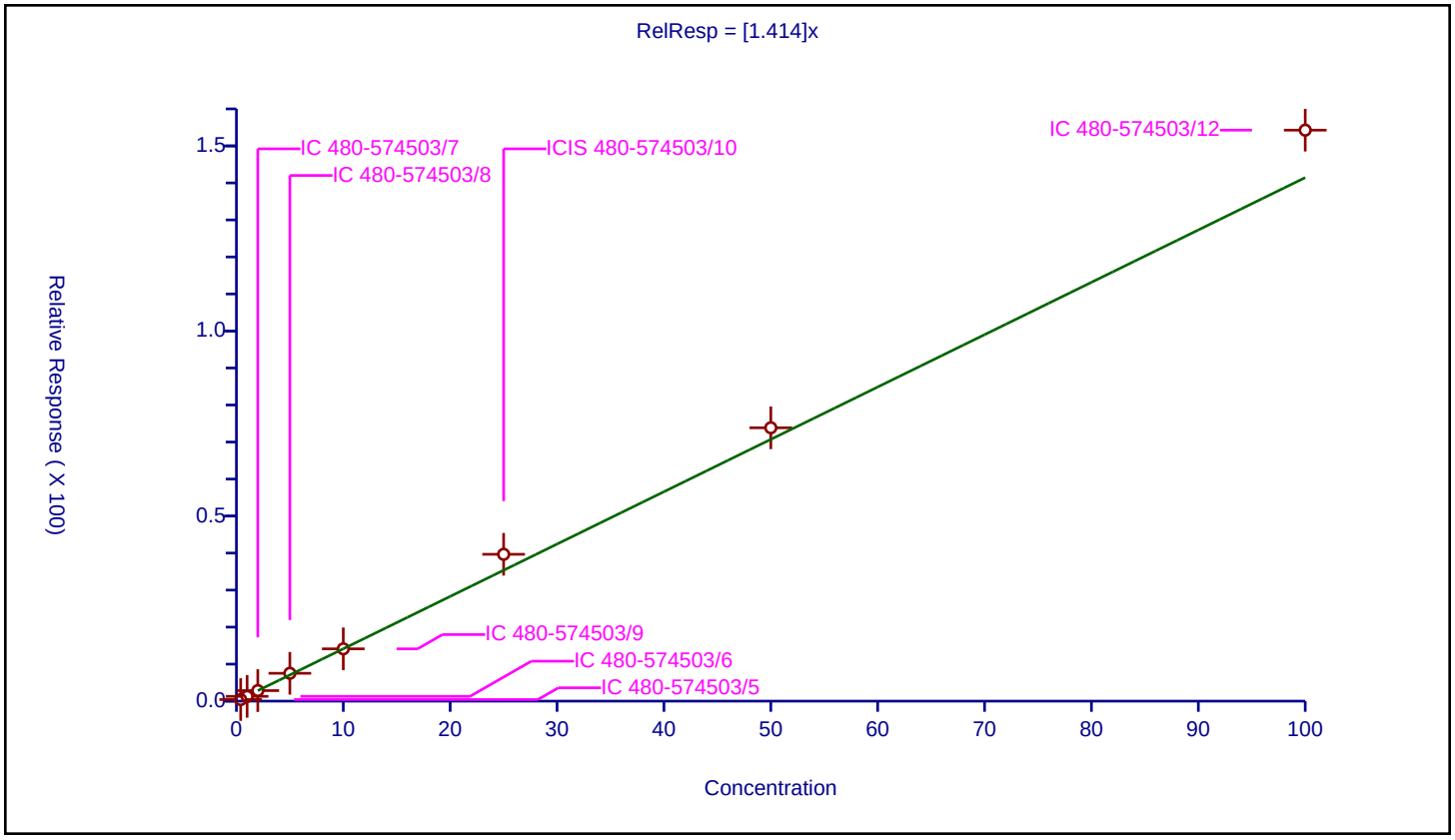
Curve Coefficients

Intercept:	0
Slope:	1.414

Error Coefficients

Standard Error:	465000
Relative Standard Error:	11.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.428684	25.0	157167.0	1.07171	Y
2	IC 480-574503/6	1.0	1.294724	25.0	177451.0	1.294724	Y
3	IC 480-574503/7	2.0	2.849149	25.0	172455.0	1.424575	Y
4	IC 480-574503/8	5.0	7.521008	25.0	175525.0	1.504202	Y
5	IC 480-574503/9	10.0	14.131161	25.0	181098.0	1.413116	Y
6	ICIS 480-574503/10	25.0	39.674277	25.0	161364.0	1.586971	Y
7	IC 480-574503/11	50.0	73.853226	25.0	180986.0	1.477065	Y
8	IC 480-574503/12	100.0	154.260491	25.0	173507.0	1.542605	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

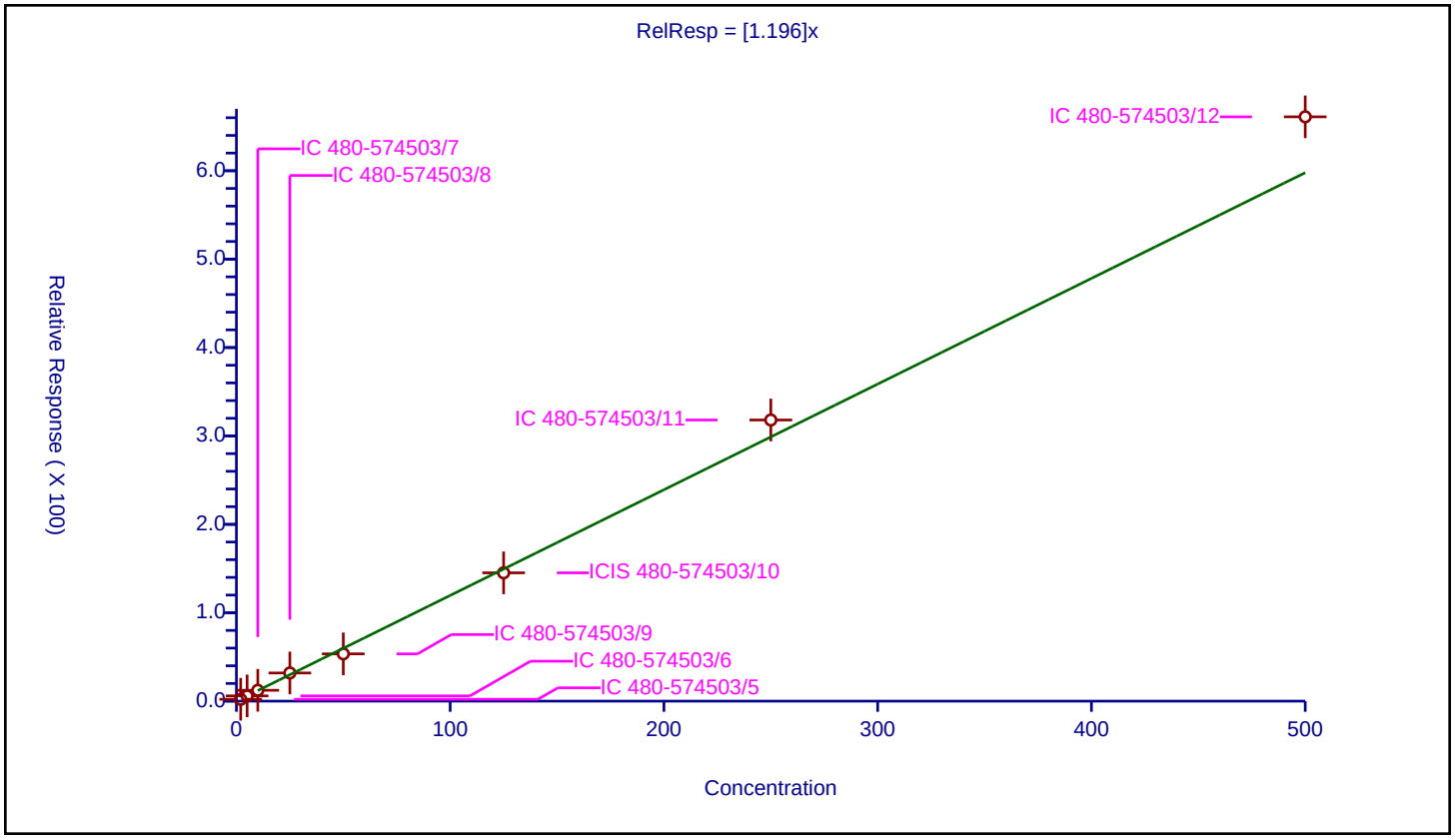
Curve Coefficients

Intercept:	0
Slope:	1.196

Error Coefficients

Standard Error:	1980000
Relative Standard Error:	8.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	2.0	2.088066	25.0	157167.0	1.044033	Y
2	IC 480-574503/6	5.0	5.958265	25.0	177451.0	1.191653	Y
3	IC 480-574503/7	10.0	12.288423	25.0	172455.0	1.228842	Y
4	IC 480-574503/8	25.0	31.875374	25.0	175525.0	1.275015	Y
5	IC 480-574503/9	50.0	53.502247	25.0	181098.0	1.070045	Y
6	ICIS 480-574503/10	125.0	145.164504	25.0	161364.0	1.161316	Y
7	IC 480-574503/11	250.0	318.056645	25.0	180986.0	1.272227	Y
8	IC 480-574503/12	500.0	661.00993	25.0	173507.0	1.32202	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

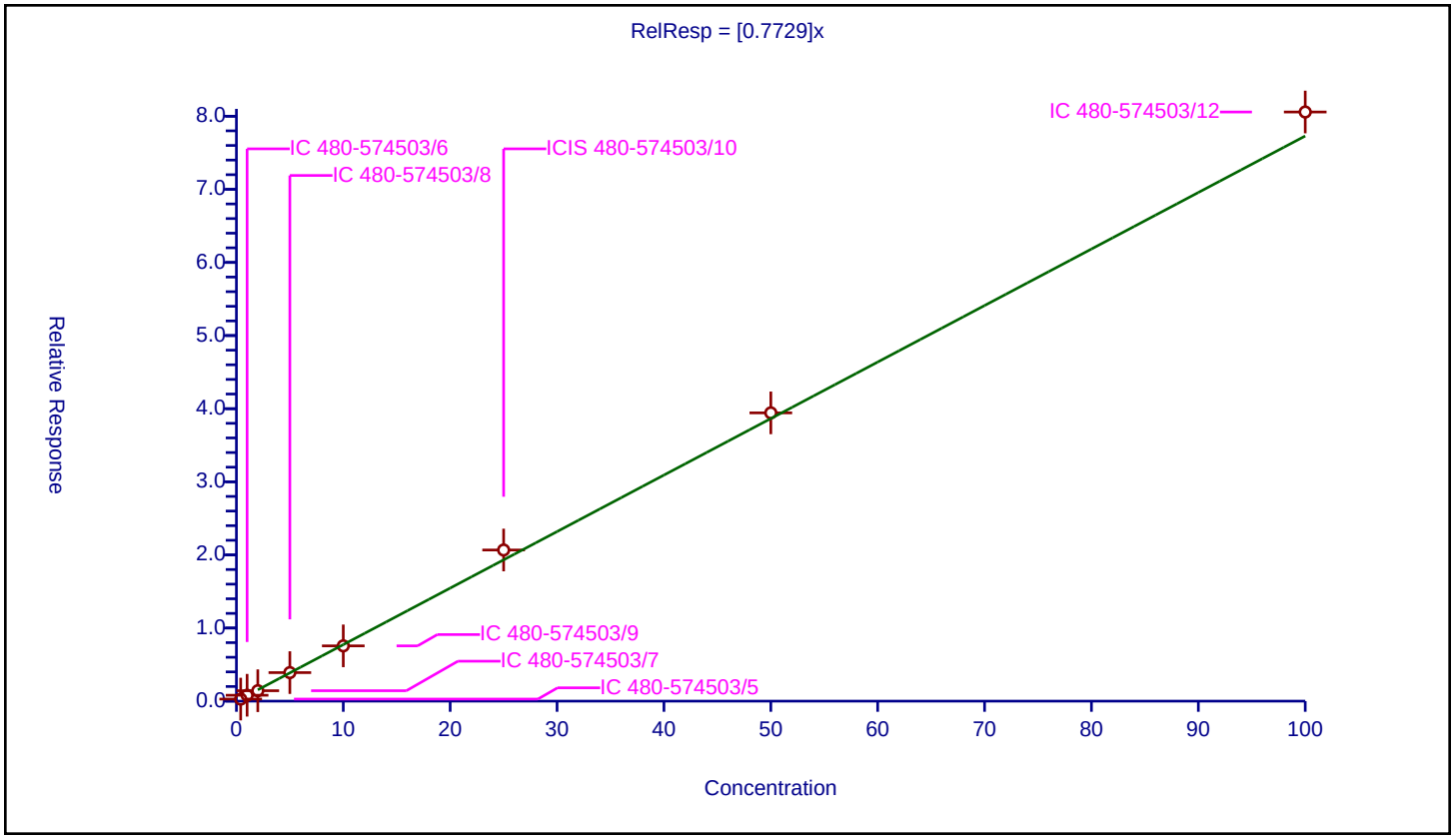
Curve Coefficients

Intercept:	0
Slope:	0.7729

Error Coefficients

Standard Error:	244000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.282025	25.0	157167.0	0.705062	Y
2	IC 480-574503/6	1.0	0.80797	25.0	177451.0	0.80797	Y
3	IC 480-574503/7	2.0	1.425299	25.0	172455.0	0.71265	Y
4	IC 480-574503/8	5.0	3.903005	25.0	175525.0	0.780601	Y
5	IC 480-574503/9	10.0	7.560271	25.0	181098.0	0.756027	Y
6	ICIS 480-574503/10	25.0	20.671742	25.0	161364.0	0.82687	Y
7	IC 480-574503/11	50.0	39.42805	25.0	180986.0	0.788561	Y
8	IC 480-574503/12	100.0	80.573262	25.0	173507.0	0.805733	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

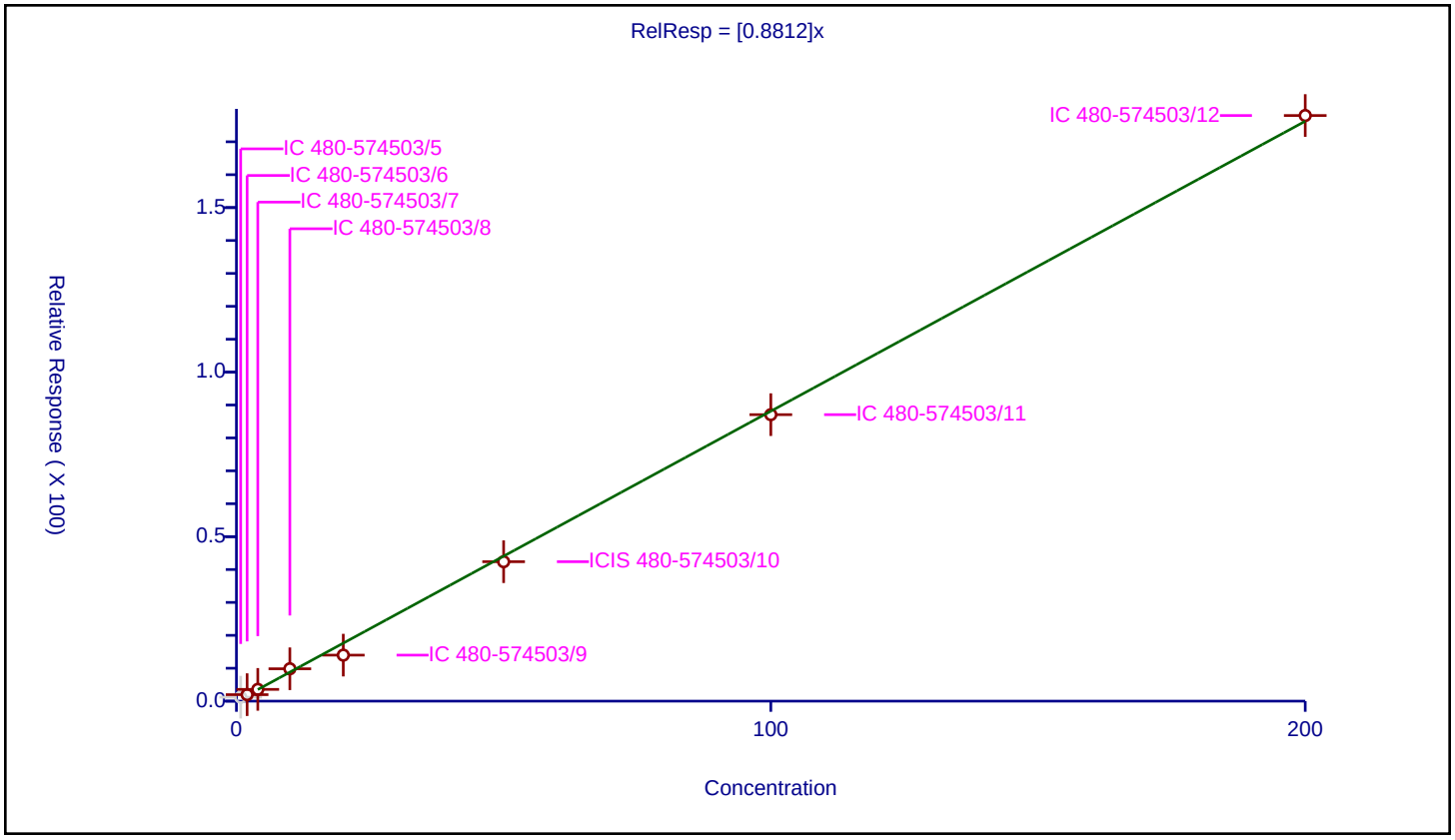
Curve Coefficients

Intercept:	0
Slope:	0.8812

Error Coefficients

Standard Error:	579000
Relative Standard Error:	10.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.8	1.203656	25.0	157167.0	1.50457	N
2	IC 480-574503/6	2.0	1.967163	25.0	177451.0	0.983581	Y
3	IC 480-574503/7	4.0	3.57644	25.0	172455.0	0.89411	Y
4	IC 480-574503/8	10.0	9.837345	25.0	175525.0	0.983735	Y
5	IC 480-574503/9	20.0	13.982899	25.0	181098.0	0.699145	Y
6	ICIS 480-574503/10	50.0	42.377017	25.0	161364.0	0.84754	Y
7	IC 480-574503/11	100.0	87.070961	25.0	180986.0	0.87071	Y
8	IC 480-574503/12	200.0	177.982012	25.0	173507.0	0.88991	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

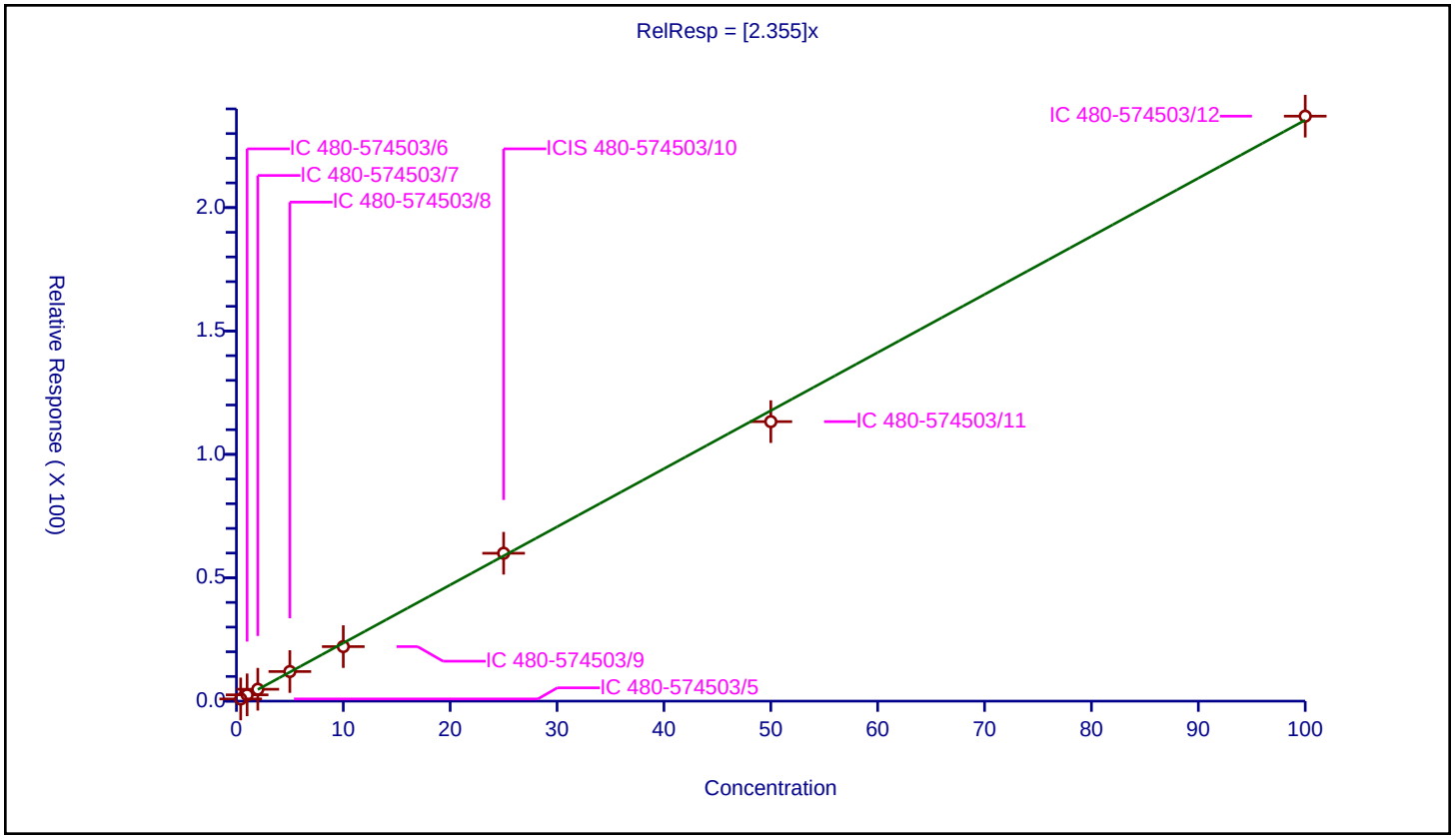
Curve Coefficients

Intercept:	0
Slope:	2.355

Error Coefficients

Standard Error:	713000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.893158	25.0	157167.0	2.232896	Y
2	IC 480-574503/6	1.0	2.550563	25.0	177451.0	2.550563	Y
3	IC 480-574503/7	2.0	4.819373	25.0	172455.0	2.409687	Y
4	IC 480-574503/8	5.0	12.001424	25.0	175525.0	2.400285	Y
5	IC 480-574503/9	10.0	22.10226	25.0	181098.0	2.210226	Y
6	ICIS 480-574503/10	25.0	59.92802	25.0	161364.0	2.397121	Y
7	IC 480-574503/11	50.0	113.265391	25.0	180986.0	2.265308	Y
8	IC 480-574503/12	100.0	237.050955	25.0	173507.0	2.37051	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

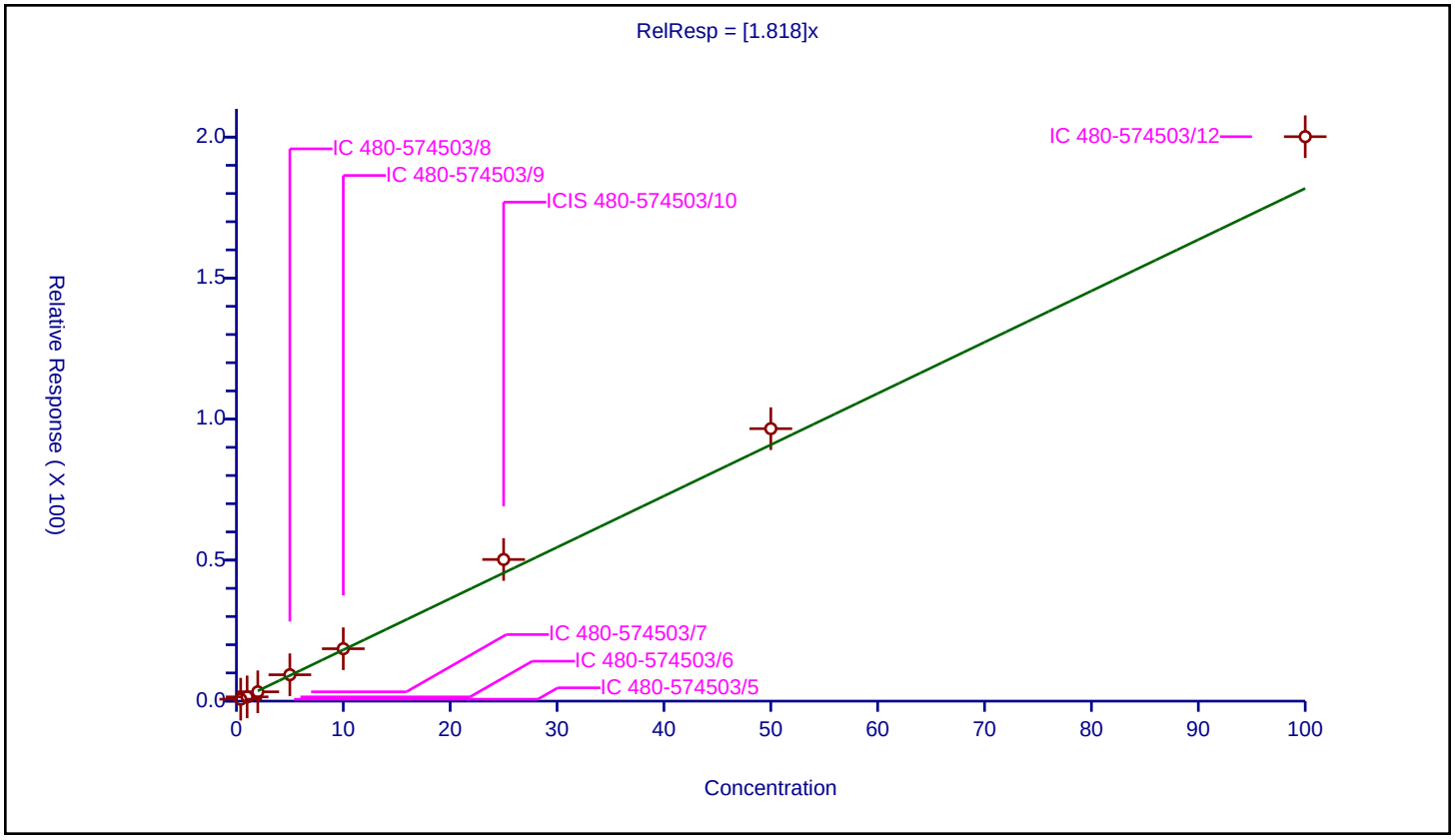
Curve Coefficients

Intercept:	0
Slope:	1.818

Error Coefficients

Standard Error:	603000
Relative Standard Error:	9.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.685099	25.0	157167.0	1.712748	Y
2	IC 480-574503/6	1.0	1.5045	25.0	177451.0	1.5045	Y
3	IC 480-574503/7	2.0	3.310139	25.0	172455.0	1.655069	Y
4	IC 480-574503/8	5.0	9.355932	25.0	175525.0	1.871186	Y
5	IC 480-574503/9	10.0	18.585379	25.0	181098.0	1.858538	Y
6	ICIS 480-574503/10	25.0	50.229295	25.0	161364.0	2.009172	Y
7	IC 480-574503/11	50.0	96.61728	25.0	180986.0	1.932346	Y
8	IC 480-574503/12	100.0	200.154172	25.0	173507.0	2.001542	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

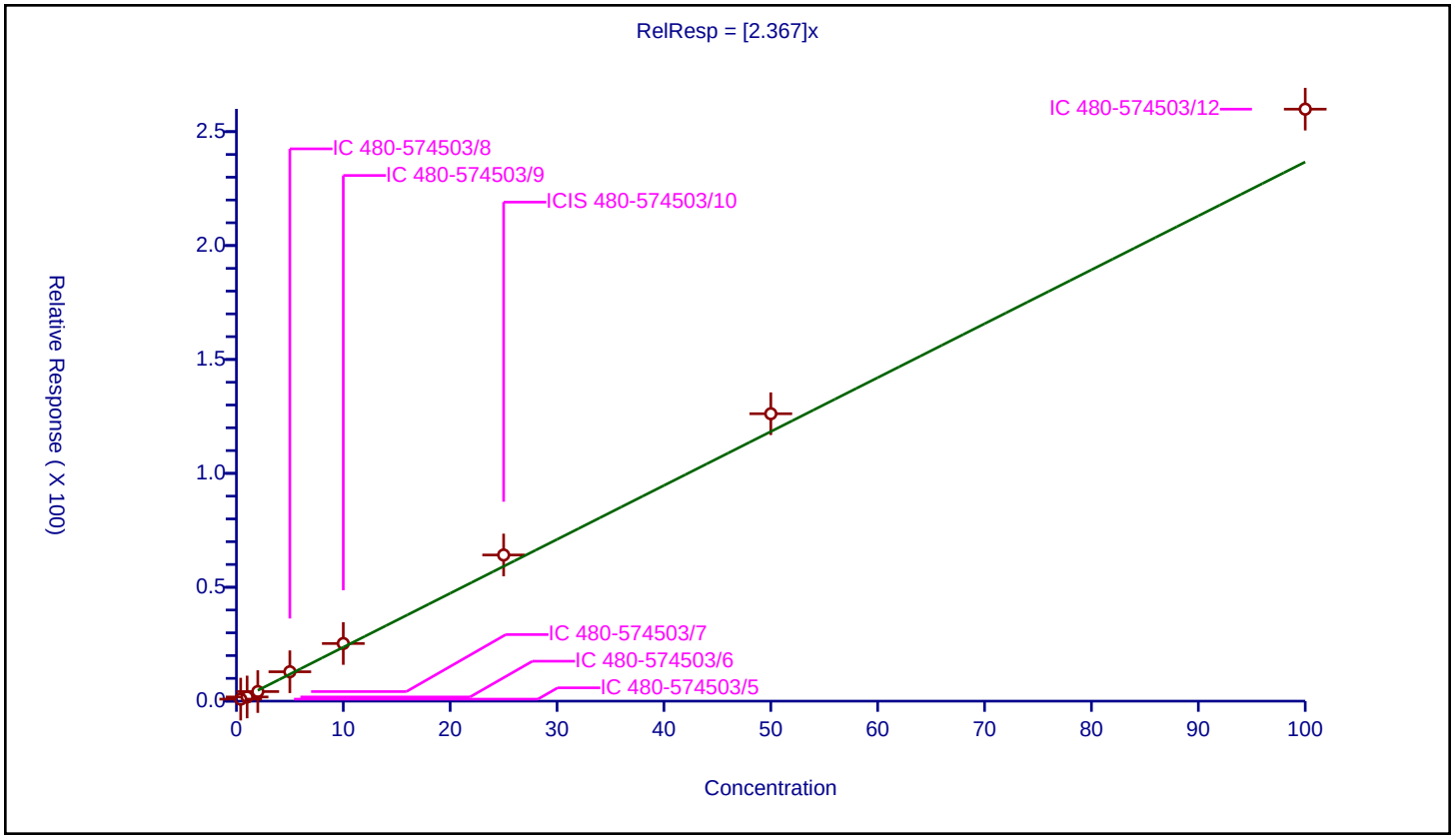
Curve Coefficients

Intercept:	0
Slope:	2.367

Error Coefficients

Standard Error:	784000
Relative Standard Error:	12.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.880115	25.0	157167.0	2.200287	Y
2	IC 480-574503/6	1.0	1.833464	25.0	177451.0	1.833464	Y
3	IC 480-574503/7	2.0	4.205155	25.0	172455.0	2.102577	Y
4	IC 480-574503/8	5.0	12.897023	25.0	175525.0	2.579405	Y
5	IC 480-574503/9	10.0	25.308811	25.0	181098.0	2.530881	Y
6	ICIS 480-574503/10	25.0	64.165489	25.0	161364.0	2.56662	Y
7	IC 480-574503/11	50.0	126.173986	25.0	180986.0	2.52348	Y
8	IC 480-574503/12	100.0	259.88476	25.0	173507.0	2.598848	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

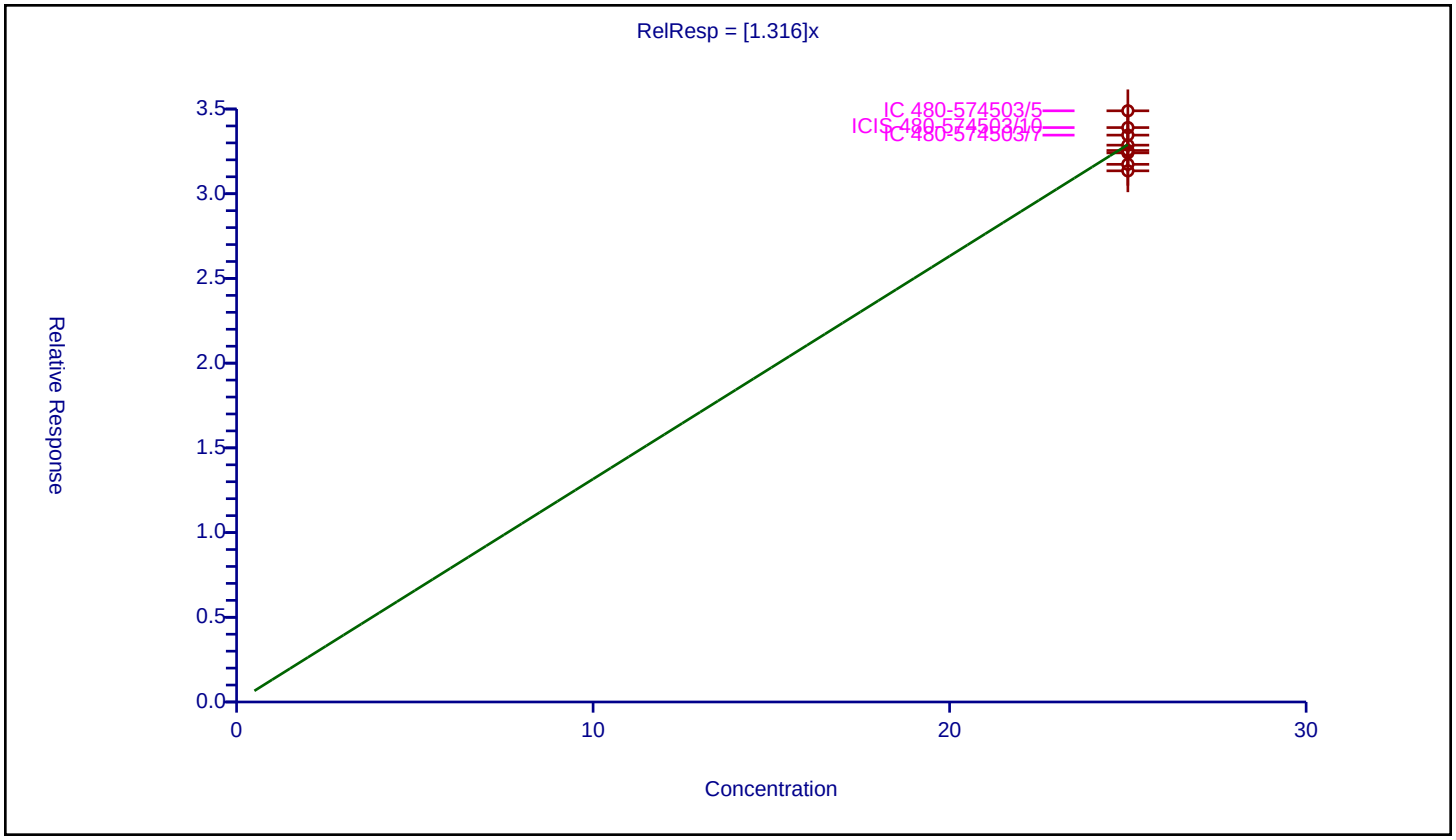
Curve Coefficients

Intercept:	0
Slope:	1.316

Error Coefficients

Standard Error:	242000
Relative Standard Error:	3.5
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	25.0	34.893934	25.0	157167.0	1.395757	Y
2	IC 480-574503/6	25.0	32.552789	25.0	177451.0	1.302112	Y
3	IC 480-574503/7	25.0	33.459453	25.0	172455.0	1.338378	Y
4	IC 480-574503/8	25.0	32.411337	25.0	175525.0	1.296453	Y
5	IC 480-574503/9	25.0	31.735718	25.0	181098.0	1.269429	Y
6	ICIS 480-574503/10	25.0	33.904712	25.0	161364.0	1.356188	Y
7	IC 480-574503/11	25.0	31.350906	25.0	180986.0	1.254036	Y
8	IC 480-574503/12	25.0	32.866541	25.0	173507.0	1.314662	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

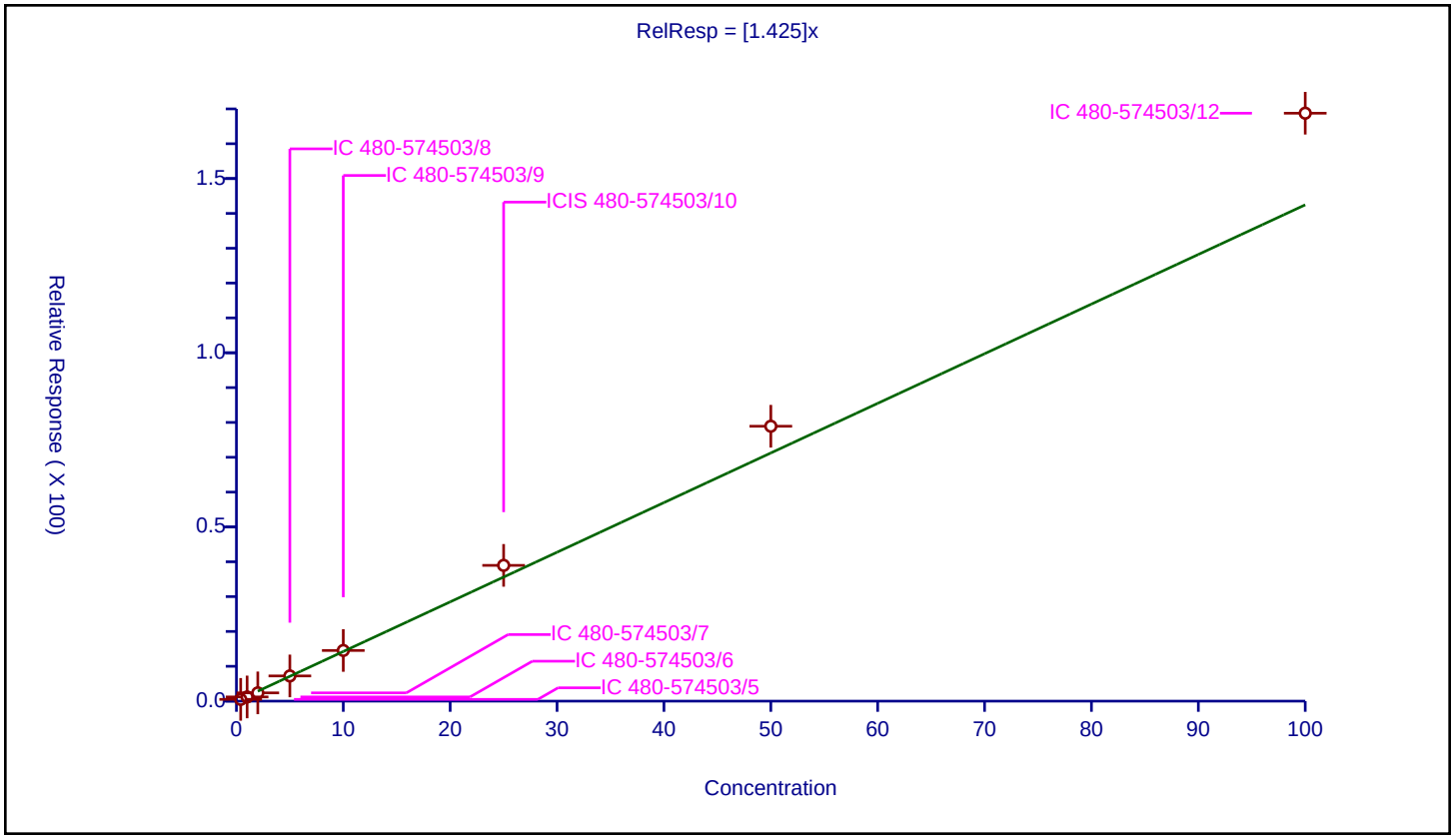
Curve Coefficients

Intercept:	0
Slope:	1.425

Error Coefficients

Standard Error:	504000
Relative Standard Error:	12.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.511081	25.0	157167.0	1.277701	Y
2	IC 480-574503/6	1.0	1.20653	25.0	177451.0	1.20653	Y
3	IC 480-574503/7	2.0	2.374243	25.0	172455.0	1.187121	Y
4	IC 480-574503/8	5.0	7.233015	25.0	175525.0	1.446603	Y
5	IC 480-574503/9	10.0	14.542679	25.0	181098.0	1.454268	Y
6	ICIS 480-574503/10	25.0	38.968419	25.0	161364.0	1.558737	Y
7	IC 480-574503/11	50.0	78.912319	25.0	180986.0	1.578246	Y
8	IC 480-574503/12	100.0	168.761923	25.0	173507.0	1.687619	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

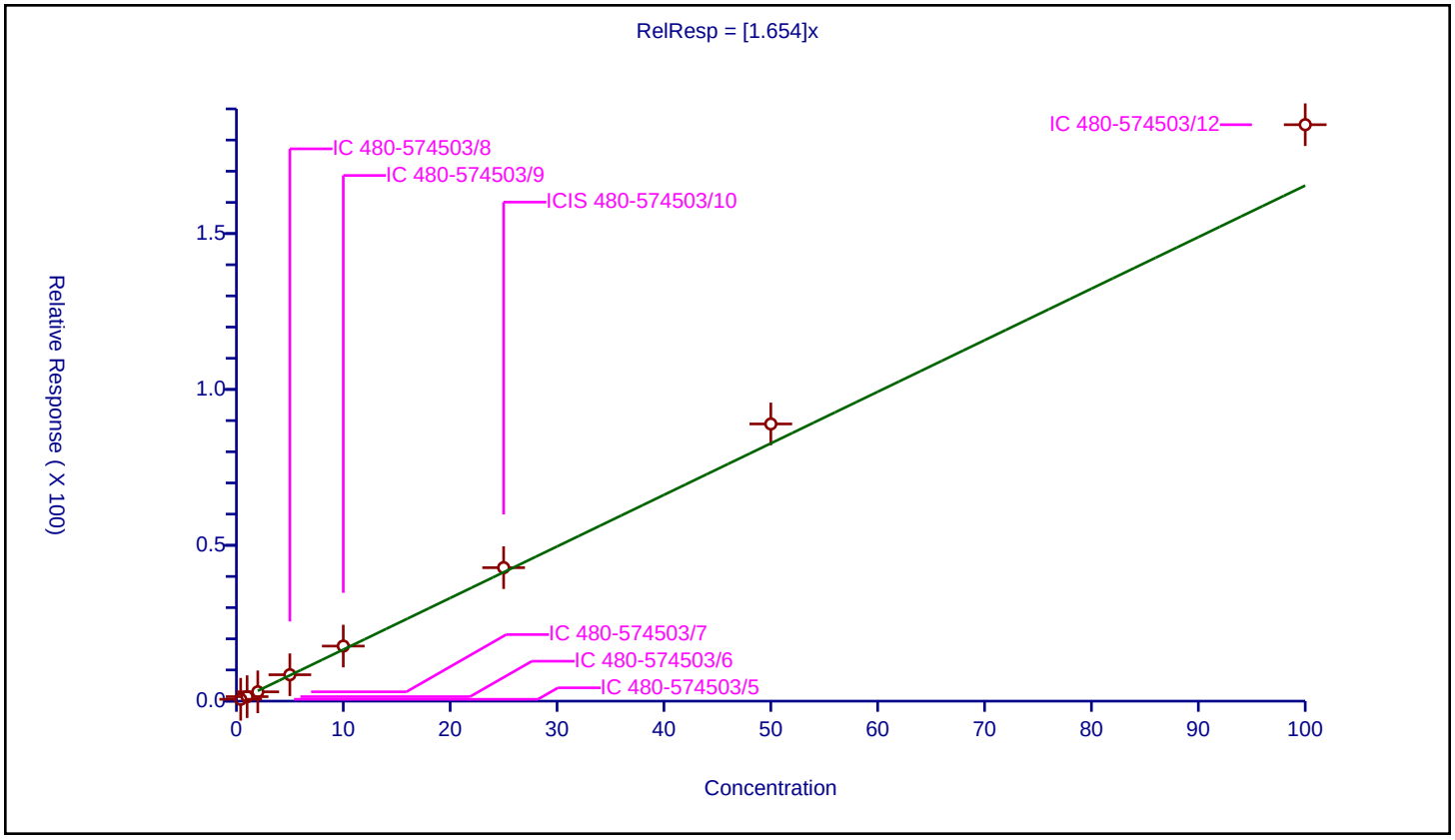
Curve Coefficients

Intercept:	0
Slope:	1.654

Error Coefficients

Standard Error:	555000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.595545	25.0	157167.0	1.488862	Y
2	IC 480-574503/6	1.0	1.442934	25.0	177451.0	1.442934	Y
3	IC 480-574503/7	2.0	2.997159	25.0	172455.0	1.498579	Y
4	IC 480-574503/8	5.0	8.47301	25.0	175525.0	1.694602	Y
5	IC 480-574503/9	10.0	17.665573	25.0	181098.0	1.766557	Y
6	ICIS 480-574503/10	25.0	42.81872	25.0	161364.0	1.712749	Y
7	IC 480-574503/11	50.0	88.928425	25.0	180986.0	1.778569	Y
8	IC 480-574503/12	100.0	184.927986	25.0	173507.0	1.84928	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

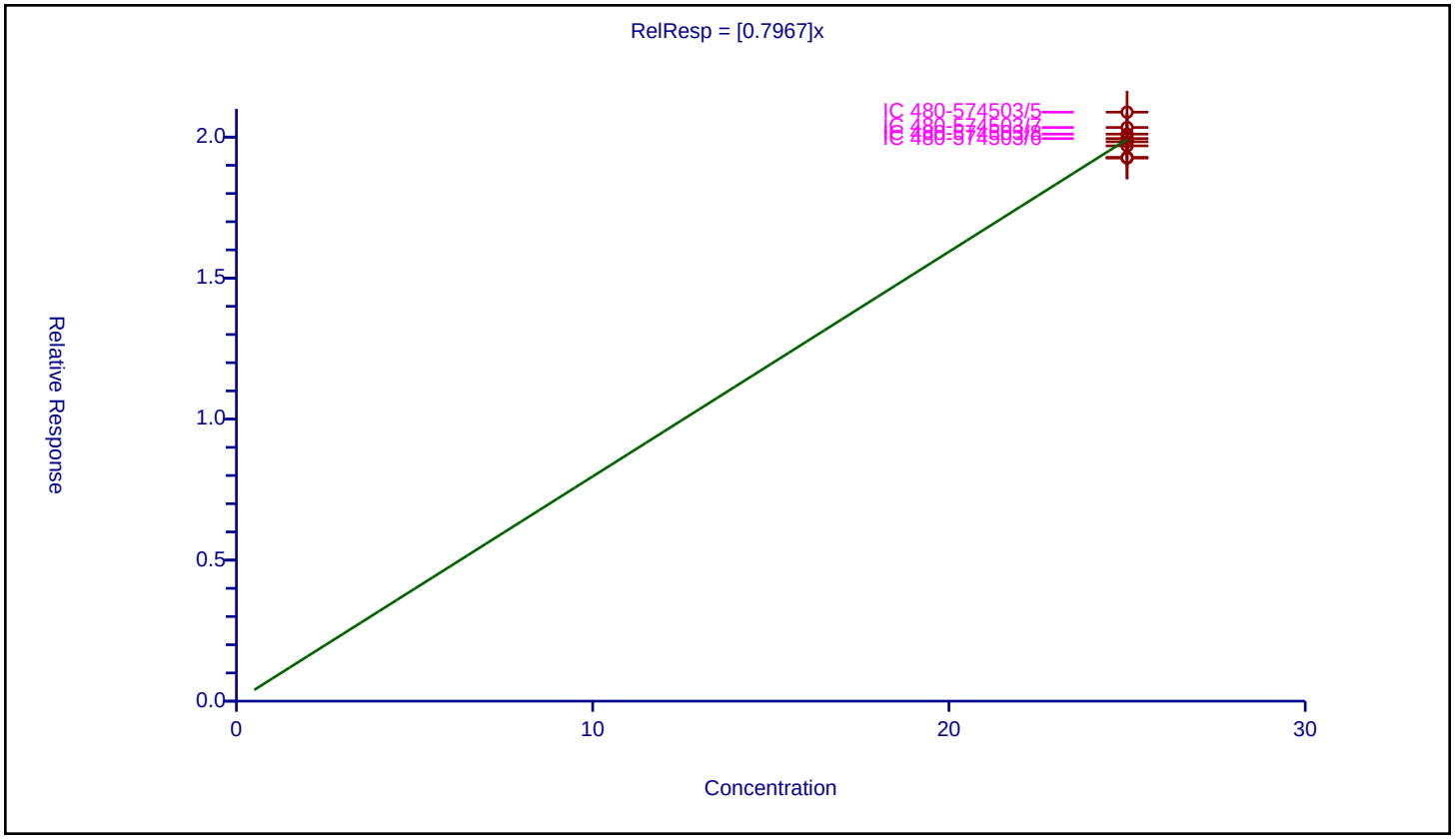
Curve Coefficients

Intercept:	0
Slope:	0.7967

Error Coefficients

Standard Error:	147000
Relative Standard Error:	2.7
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	25.0	20.883519	25.0	157167.0	0.835341	Y
2	IC 480-574503/6	25.0	19.949028	25.0	177451.0	0.797961	Y
3	IC 480-574503/7	25.0	20.340379	25.0	172455.0	0.813615	Y
4	IC 480-574503/8	25.0	20.105541	25.0	175525.0	0.804222	Y
5	IC 480-574503/9	25.0	19.255873	25.0	181098.0	0.770235	Y
6	ICIS 480-574503/10	25.0	19.835434	25.0	161364.0	0.793417	Y
7	IC 480-574503/11	25.0	19.280082	25.0	180986.0	0.771203	Y
8	IC 480-574503/12	25.0	19.689119	25.0	173507.0	0.787565	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

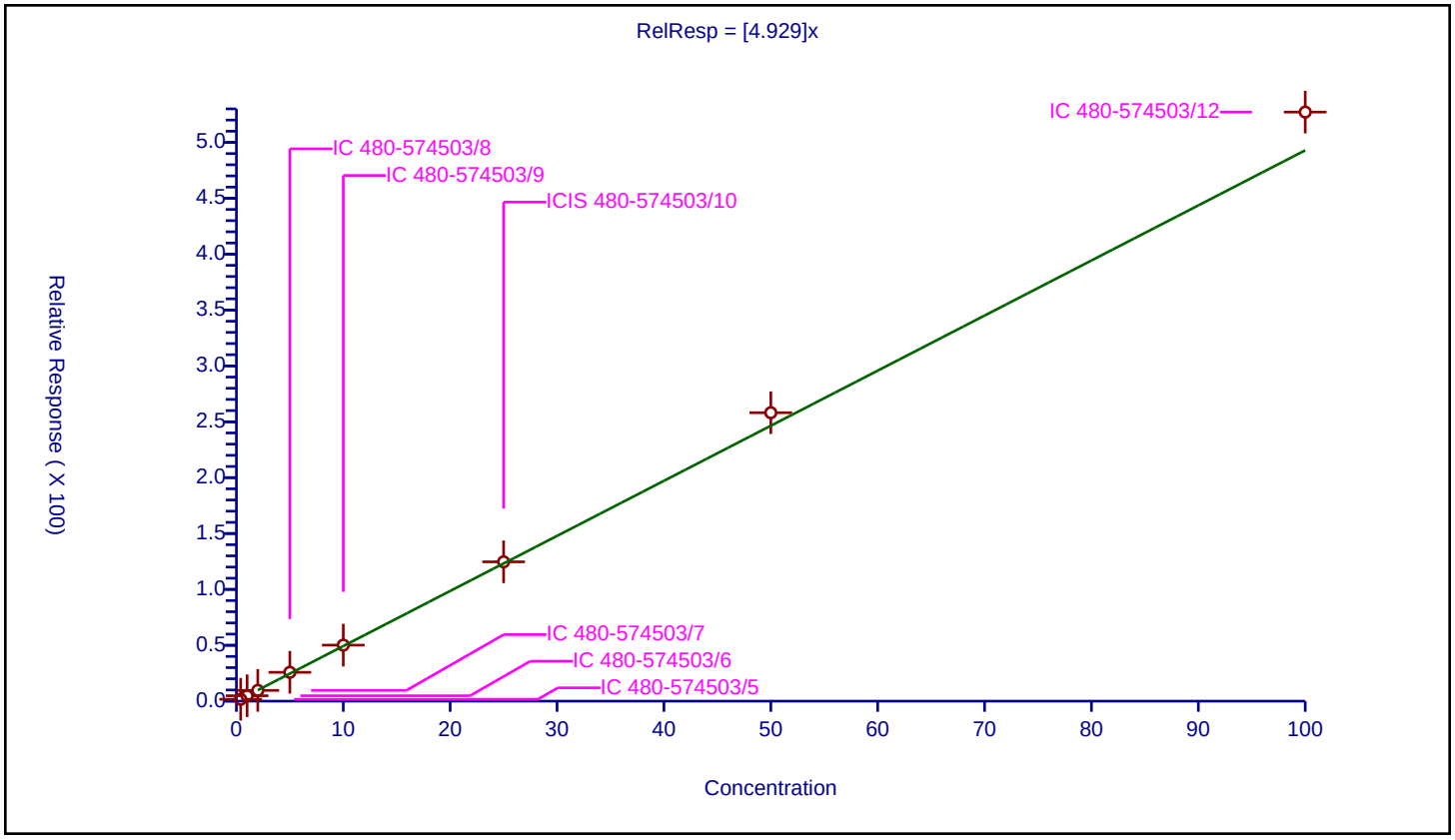
Curve Coefficients

Intercept:	0
Slope:	4.929

Error Coefficients

Standard Error:	1590000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	1.681651	25.0	157167.0	4.204127	Y
2	IC 480-574503/6	1.0	4.826685	25.0	177451.0	4.826685	Y
3	IC 480-574503/7	2.0	9.611348	25.0	172455.0	4.805674	Y
4	IC 480-574503/8	5.0	25.809002	25.0	175525.0	5.1618	Y
5	IC 480-574503/9	10.0	50.147296	25.0	181098.0	5.01473	Y
6	ICIS 480-574503/10	25.0	124.66117	25.0	161364.0	4.986447	Y
7	IC 480-574503/11	50.0	258.106704	25.0	180986.0	5.162134	Y
8	IC 480-574503/12	100.0	527.146887	25.0	173507.0	5.271469	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

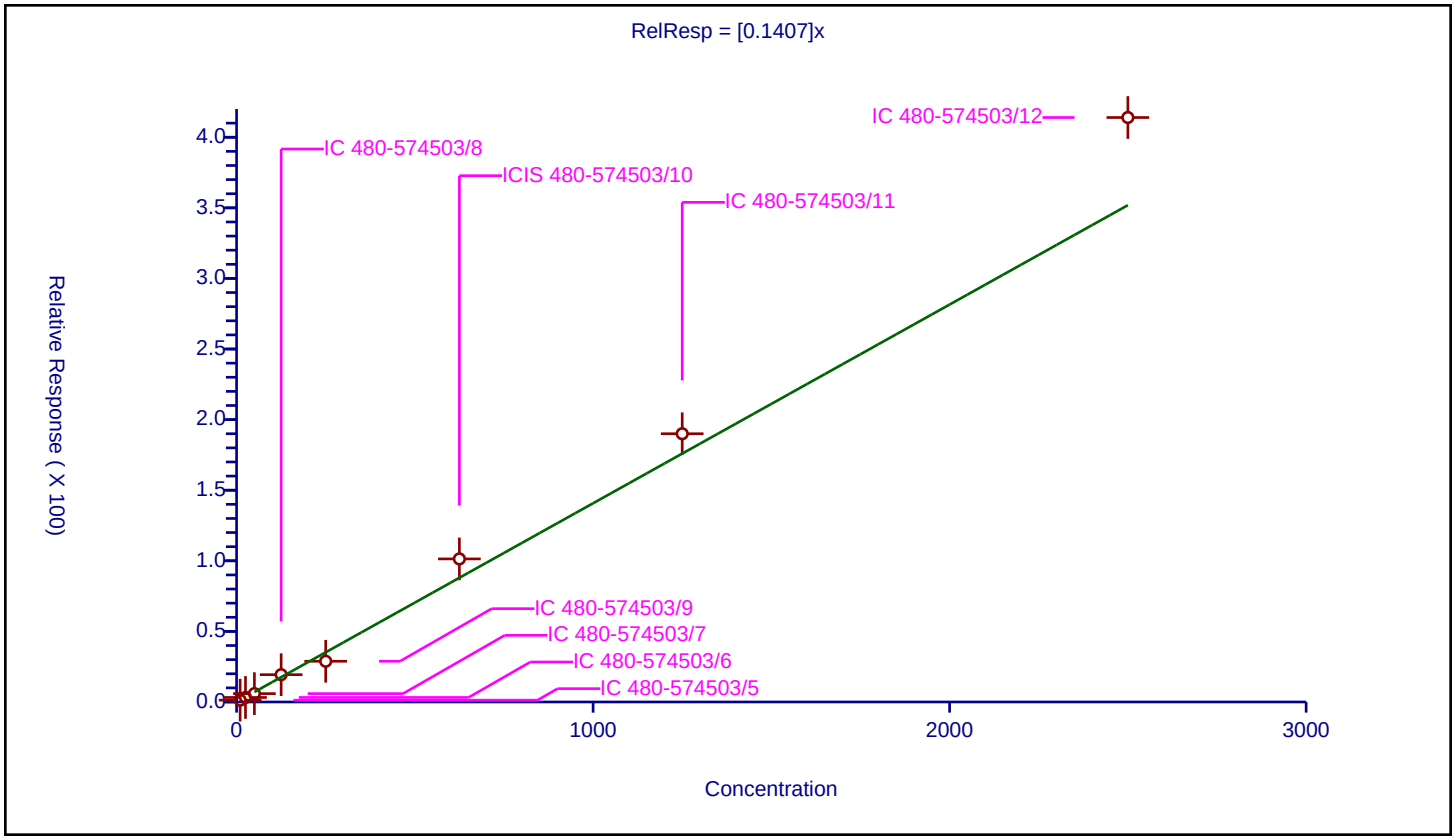
Curve Coefficients

Intercept:	0
Slope:	0.1407

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	14.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	10.0	1.293051	25.0	157167.0	0.129305	Y
2	IC 480-574503/6	25.0	3.207364	25.0	177451.0	0.128295	Y
3	IC 480-574503/7	50.0	5.917341	25.0	172455.0	0.118347	Y
4	IC 480-574503/8	125.0	19.359778	25.0	175525.0	0.154878	Y
5	IC 480-574503/9	250.0	28.854819	25.0	181098.0	0.115419	Y
6	ICIS 480-574503/10	625.0	101.349434	25.0	161364.0	0.162159	Y
7	IC 480-574503/11	1250.0	189.995359	25.0	180986.0	0.151996	Y
8	IC 480-574503/12	2500.0	413.97105	25.0	173507.0	0.165588	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

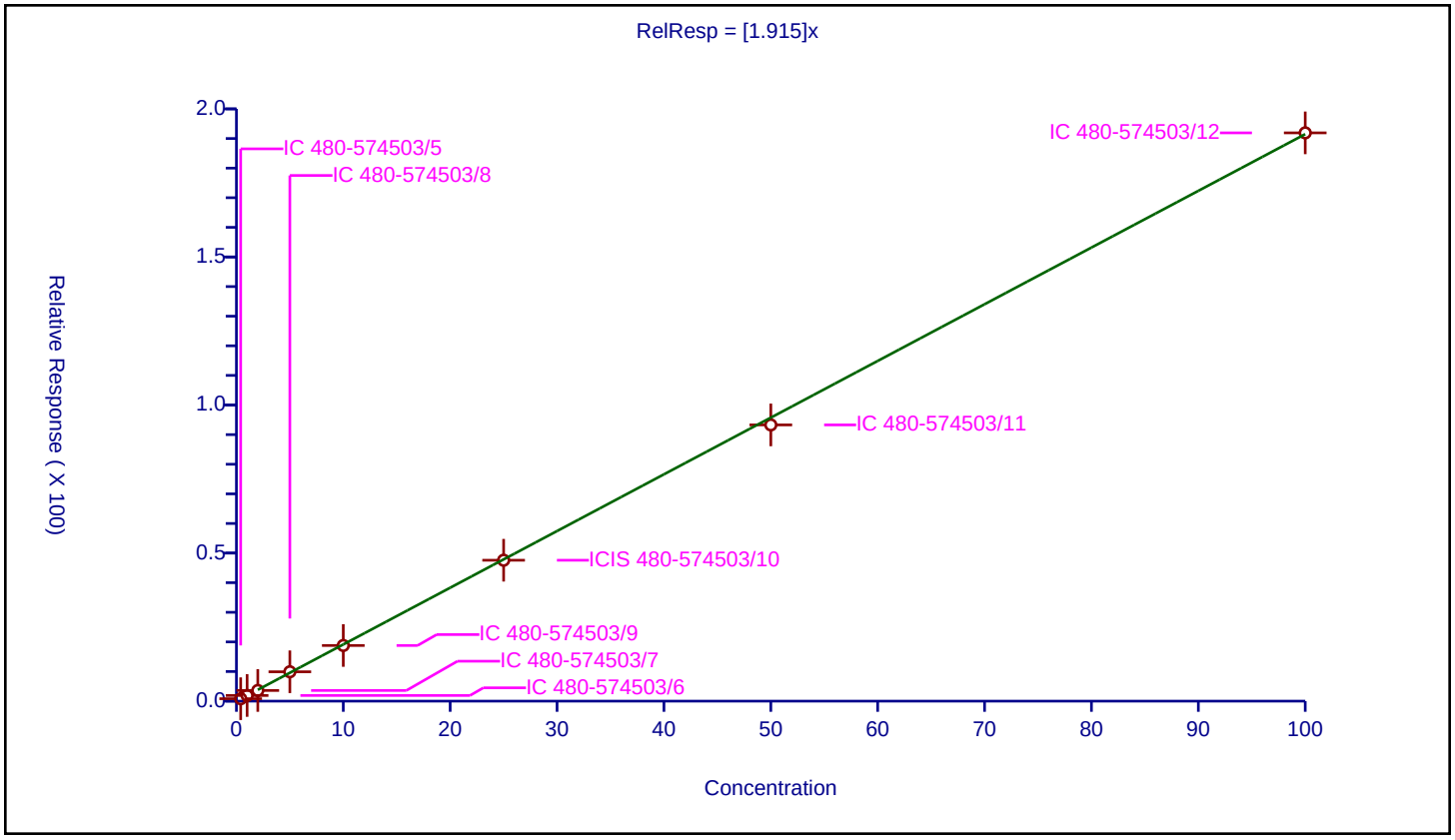
Curve Coefficients

Intercept:	0
Slope:	1.915

Error Coefficients

Standard Error:	579000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.820147	25.0	157167.0	2.050367	Y
2	IC 480-574503/6	1.0	1.914472	25.0	177451.0	1.914472	Y
3	IC 480-574503/7	2.0	3.603984	25.0	172455.0	1.801992	Y
4	IC 480-574503/8	5.0	9.91853	25.0	175525.0	1.983706	Y
5	IC 480-574503/9	10.0	18.790379	25.0	181098.0	1.879038	Y
6	ICIS 480-574503/10	25.0	47.584653	25.0	161364.0	1.903386	Y
7	IC 480-574503/11	50.0	93.282077	25.0	180986.0	1.865642	Y
8	IC 480-574503/12	100.0	191.904361	25.0	173507.0	1.919044	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

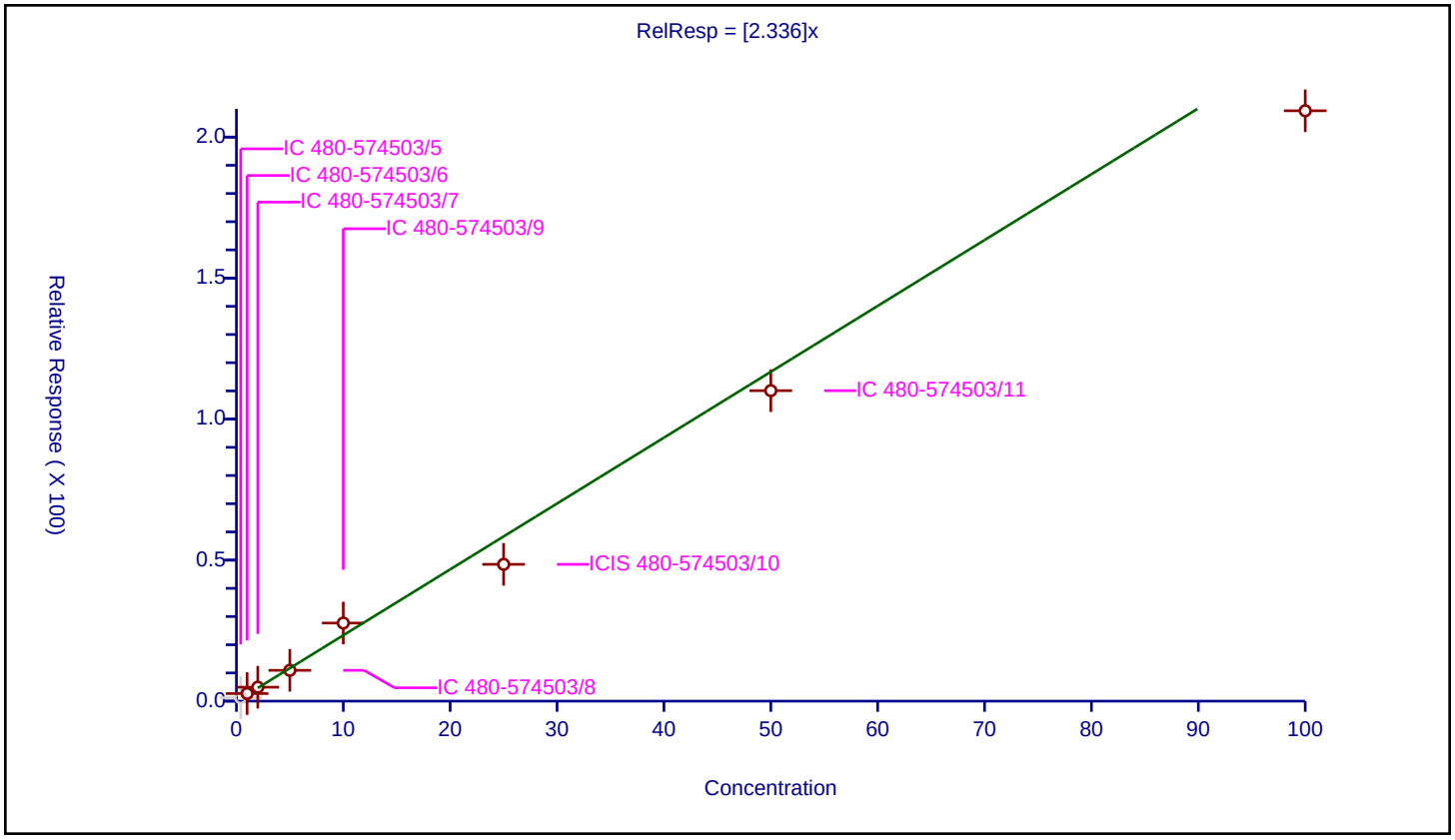
Curve Coefficients

Intercept:	0
Slope:	2.336

Error Coefficients

Standard Error:	694000
Relative Standard Error:	13.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	1.219404	25.0	157167.0	3.048509	N
2	IC 480-574503/6	1.0	2.689757	25.0	177451.0	2.689757	Y
3	IC 480-574503/7	2.0	4.939839	25.0	172455.0	2.46992	Y
4	IC 480-574503/8	5.0	10.9238	25.0	175525.0	2.18476	Y
5	IC 480-574503/9	10.0	27.690946	25.0	181098.0	2.769095	Y
6	ICIS 480-574503/10	25.0	48.508032	25.0	161364.0	1.940321	Y
7	IC 480-574503/11	50.0	110.096499	25.0	180986.0	2.20193	Y
8	IC 480-574503/12	100.0	209.325849	25.0	173507.0	2.093258	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

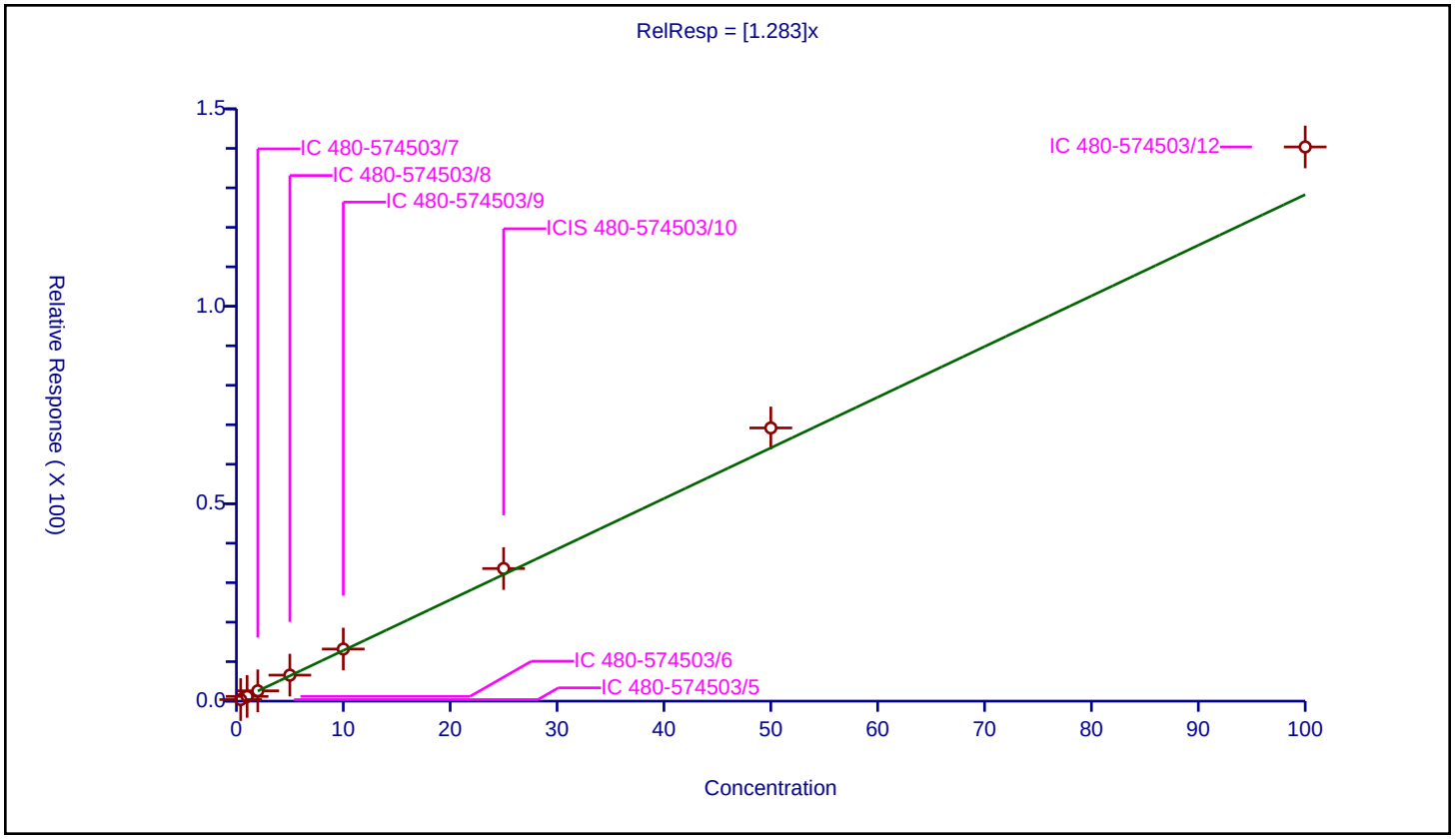
Curve Coefficients

Intercept:	0
Slope:	1.283

Error Coefficients

Standard Error:	424000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.396076	25.0	157167.0	0.990189	Y
2	IC 480-574503/6	1.0	1.198077	25.0	177451.0	1.198077	Y
3	IC 480-574503/7	2.0	2.614015	25.0	172455.0	1.307008	Y
4	IC 480-574503/8	5.0	6.586669	25.0	175525.0	1.317334	Y
5	IC 480-574503/9	10.0	13.197827	25.0	181098.0	1.319783	Y
6	ICIS 480-574503/10	25.0	33.584164	25.0	161364.0	1.343367	Y
7	IC 480-574503/11	50.0	69.194717	25.0	180986.0	1.383894	Y
8	IC 480-574503/12	100.0	140.358458	25.0	173507.0	1.403585	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

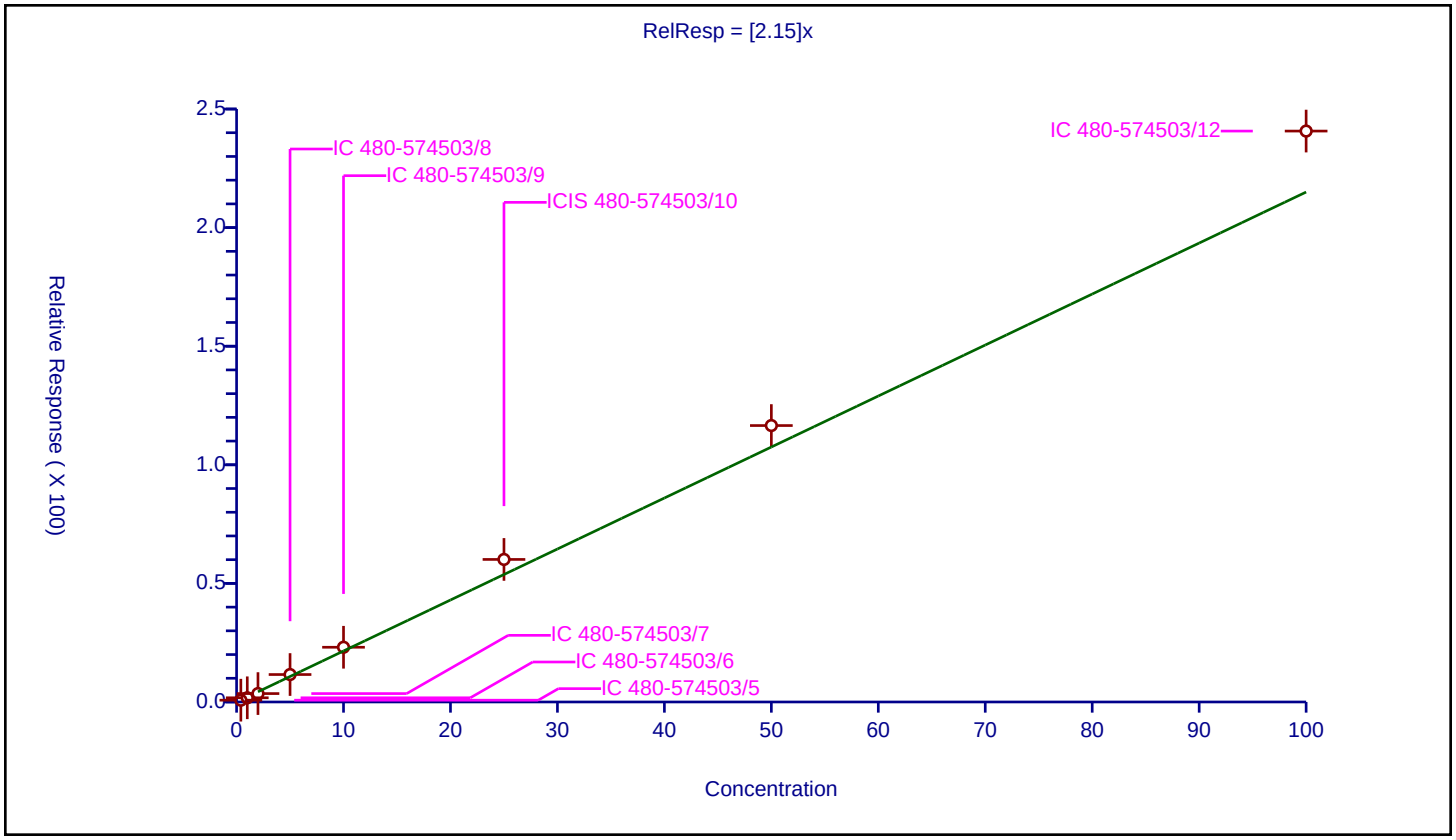
Curve Coefficients

Intercept:	0
Slope:	2.15

Error Coefficients

Standard Error:	726000
Relative Standard Error:	13.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.754452	25.0	157167.0	1.886131	Y
2	IC 480-574503/6	1.0	1.774293	25.0	177451.0	1.774293	Y
3	IC 480-574503/7	2.0	3.549477	25.0	172455.0	1.774738	Y
4	IC 480-574503/8	5.0	11.570147	25.0	175525.0	2.314029	Y
5	IC 480-574503/9	10.0	23.079907	25.0	181098.0	2.307991	Y
6	ICIS 480-574503/10	25.0	60.092865	25.0	161364.0	2.403715	Y
7	IC 480-574503/11	50.0	116.549899	25.0	180986.0	2.330998	Y
8	IC 480-574503/12	100.0	240.704121	25.0	173507.0	2.407041	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

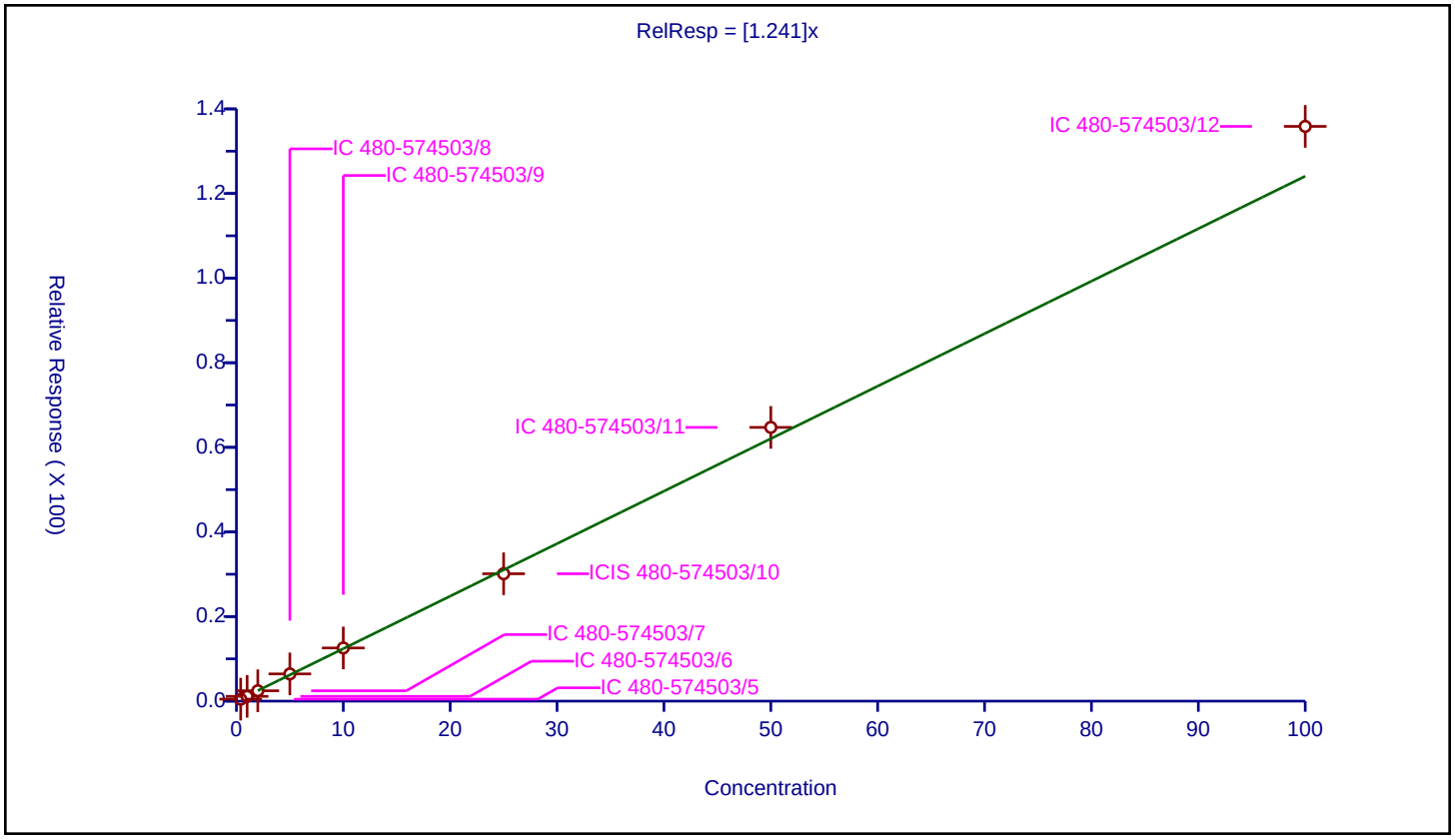
Curve Coefficients

Intercept:	0
Slope:	1.241

Error Coefficients

Standard Error:	407000
Relative Standard Error:	5.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.467019	25.0	157167.0	1.167548	Y
2	IC 480-574503/6	1.0	1.131439	25.0	177451.0	1.131439	Y
3	IC 480-574503/7	2.0	2.452234	25.0	172455.0	1.226117	Y
4	IC 480-574503/8	5.0	6.438826	25.0	175525.0	1.287765	Y
5	IC 480-574503/9	10.0	12.57137	25.0	181098.0	1.257137	Y
6	ICIS 480-574503/10	25.0	30.11251	25.0	161364.0	1.2045	Y
7	IC 480-574503/11	50.0	64.710944	25.0	180986.0	1.294219	Y
8	IC 480-574503/12	100.0	135.864835	25.0	173507.0	1.358648	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

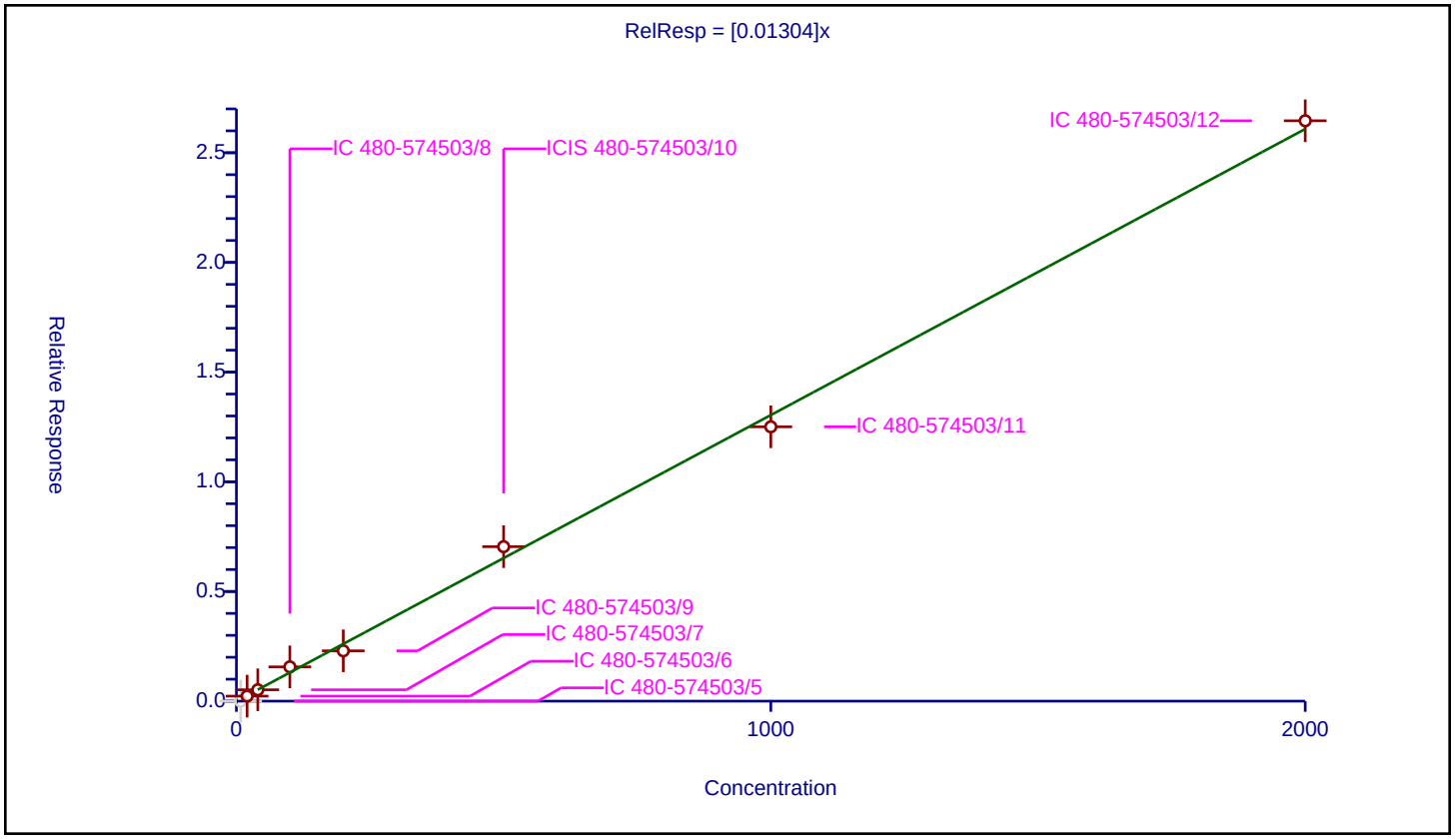
Curve Coefficients

Intercept:	0
Slope:	0.01304

Error Coefficients

Standard Error:	168000
Relative Standard Error:	11.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	8.0	0.0	25.0	270579.0	0.0	N
2	IC 480-574503/6	20.0	0.228784	25.0	314161.0	0.011439	Y
3	IC 480-574503/7	40.0	0.5178	25.0	310062.0	0.012945	Y
4	IC 480-574503/8	100.0	1.562372	25.0	341580.0	0.015624	Y
5	IC 480-574503/9	200.0	2.29285	25.0	323135.0	0.011464	Y
6	ICIS 480-574503/10	500.0	7.041498	25.0	285266.0	0.014083	Y
7	IC 480-574503/11	1000.0	12.506675	25.0	357699.0	0.012507	Y
8	IC 480-574503/12	2000.0	26.459062	25.0	339242.0	0.01323	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

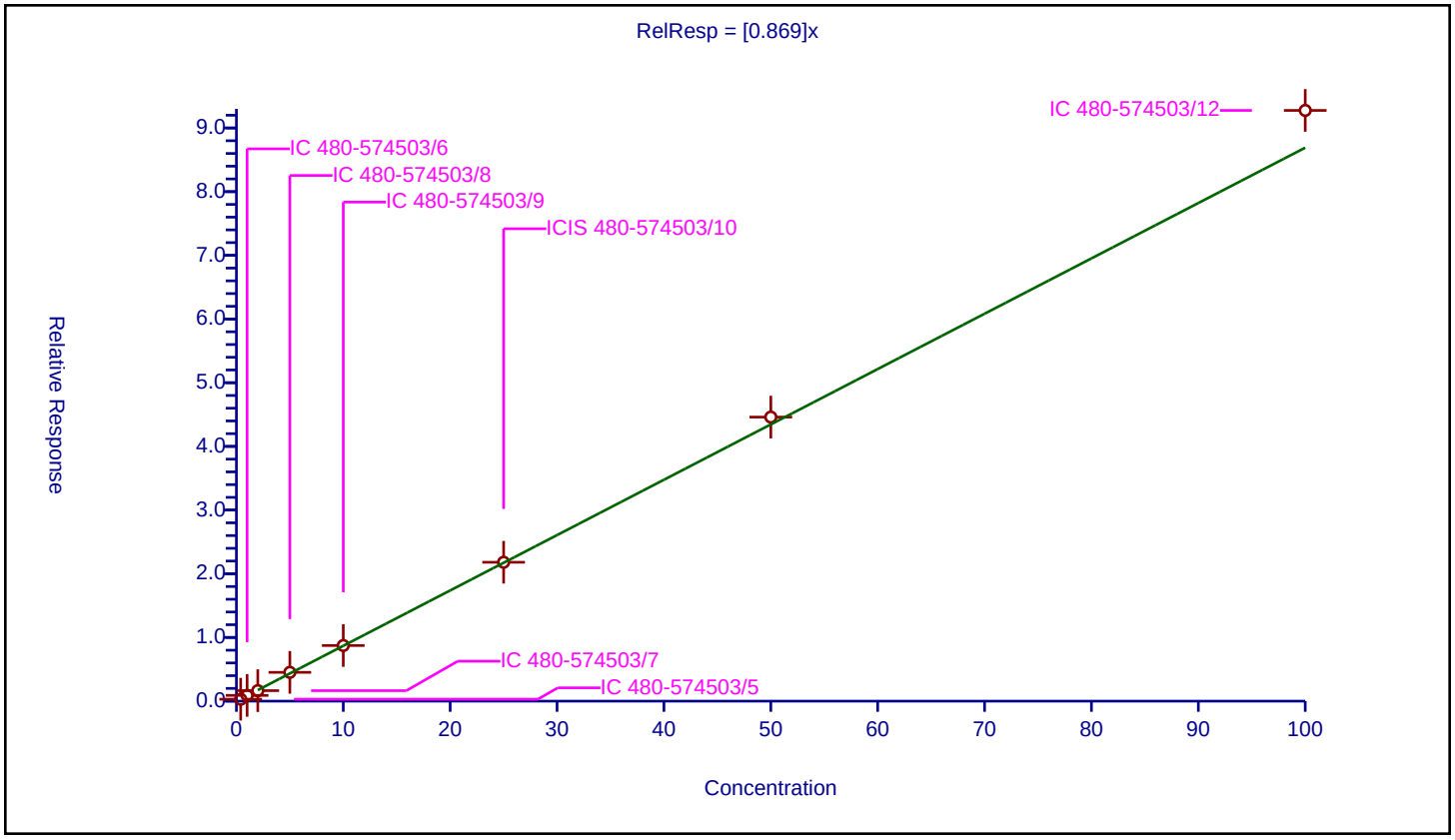
Curve Coefficients

Intercept:	0
Slope:	0.869

Error Coefficients

Standard Error:	279000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.301749	25.0	157167.0	0.754373	Y
2	IC 480-574503/6	1.0	0.902221	25.0	177451.0	0.902221	Y
3	IC 480-574503/7	2.0	1.6513	25.0	172455.0	0.82565	Y
4	IC 480-574503/8	5.0	4.523857	25.0	175525.0	0.904771	Y
5	IC 480-574503/9	10.0	8.733117	25.0	181098.0	0.873312	Y
6	ICIS 480-574503/10	25.0	21.810472	25.0	161364.0	0.872419	Y
7	IC 480-574503/11	50.0	44.60345	25.0	180986.0	0.892069	Y
8	IC 480-574503/12	100.0	92.757785	25.0	173507.0	0.927578	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

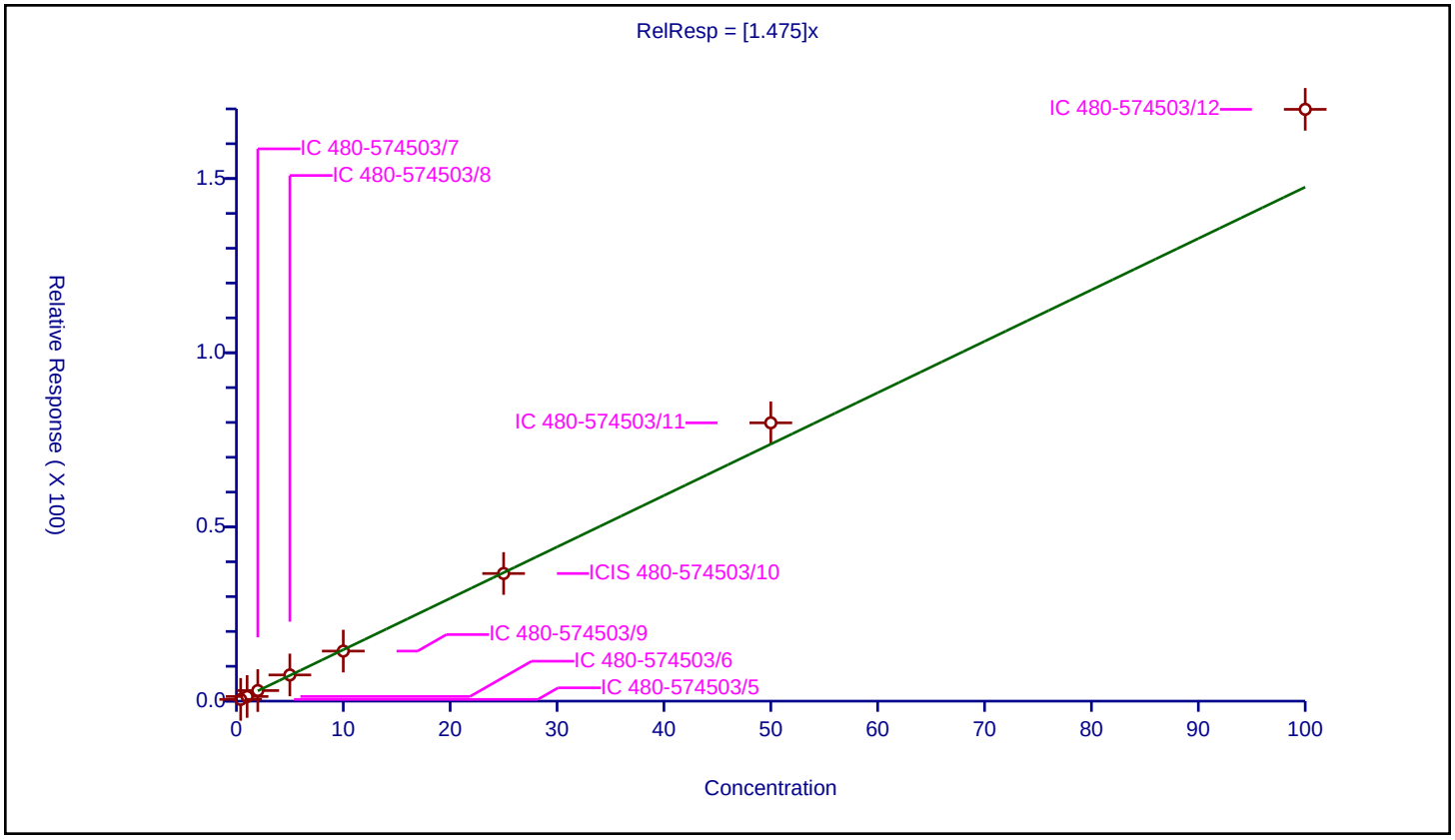
Curve Coefficients

Intercept:	0
Slope:	1.475

Error Coefficients

Standard Error:	506000
Relative Standard Error:	9.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.498673	25.0	157167.0	1.246683	Y
2	IC 480-574503/6	1.0	1.336143	25.0	177451.0	1.336143	Y
3	IC 480-574503/7	2.0	3.036879	25.0	172455.0	1.51844	Y
4	IC 480-574503/8	5.0	7.517875	25.0	175525.0	1.503575	Y
5	IC 480-574503/9	10.0	14.368878	25.0	181098.0	1.436888	Y
6	ICIS 480-574503/10	25.0	36.636424	25.0	161364.0	1.465457	Y
7	IC 480-574503/11	50.0	79.885461	25.0	180986.0	1.597709	Y
8	IC 480-574503/12	100.0	169.869948	25.0	173507.0	1.698699	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

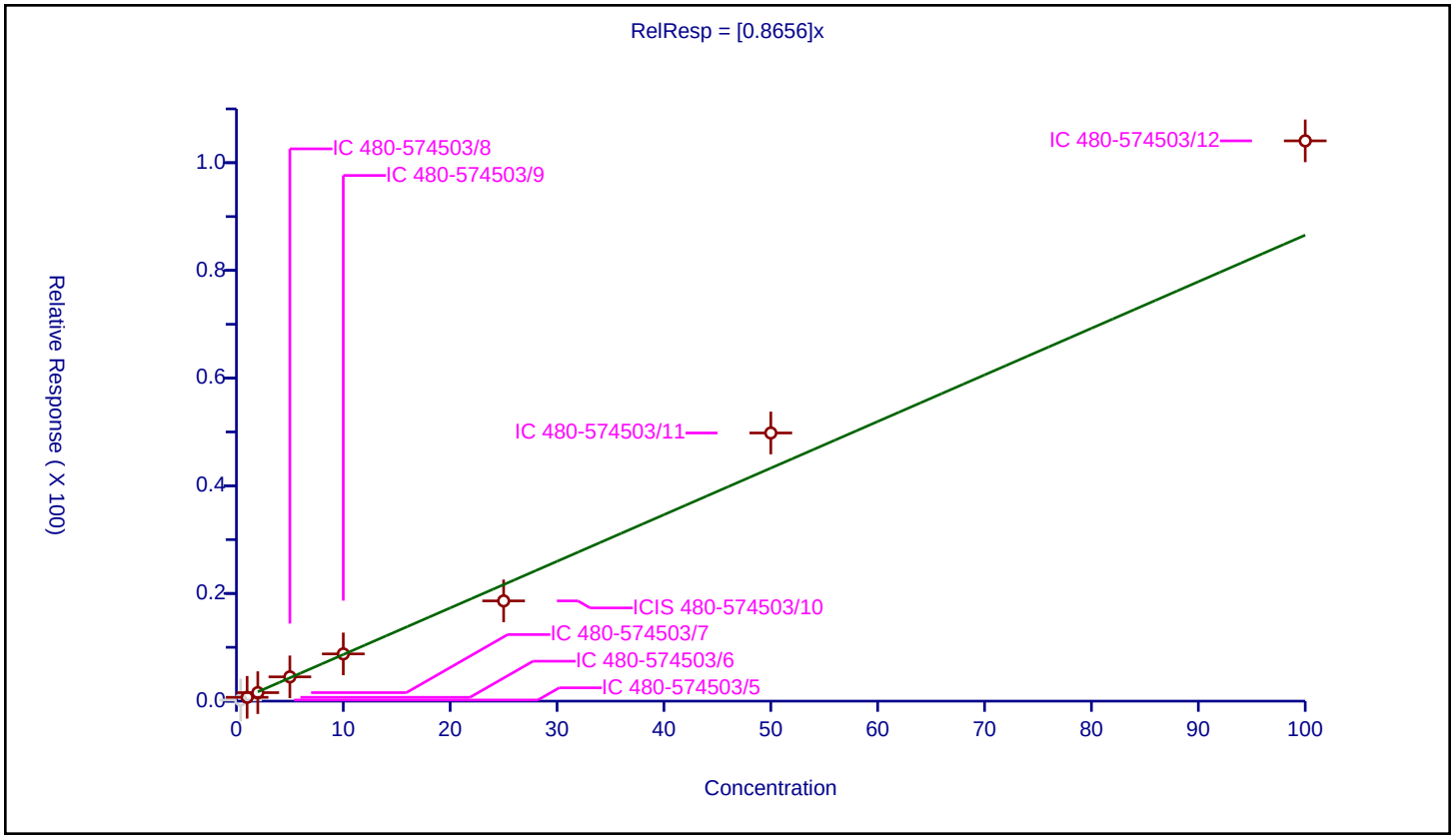
Curve Coefficients

Intercept:	0
Slope:	0.8656

Error Coefficients

Standard Error:	334000
Relative Standard Error:	14.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.208218	25.0	157167.0	0.520545	N
2	IC 480-574503/6	1.0	0.708365	25.0	177451.0	0.708365	Y
3	IC 480-574503/7	2.0	1.579832	25.0	172455.0	0.789916	Y
4	IC 480-574503/8	5.0	4.510611	25.0	175525.0	0.902122	Y
5	IC 480-574503/9	10.0	8.772046	25.0	181098.0	0.877205	Y
6	ICIS 480-574503/10	25.0	18.619395	25.0	161364.0	0.744776	Y
7	IC 480-574503/11	50.0	49.807167	25.0	180986.0	0.996143	Y
8	IC 480-574503/12	100.0	104.063237	25.0	173507.0	1.040632	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

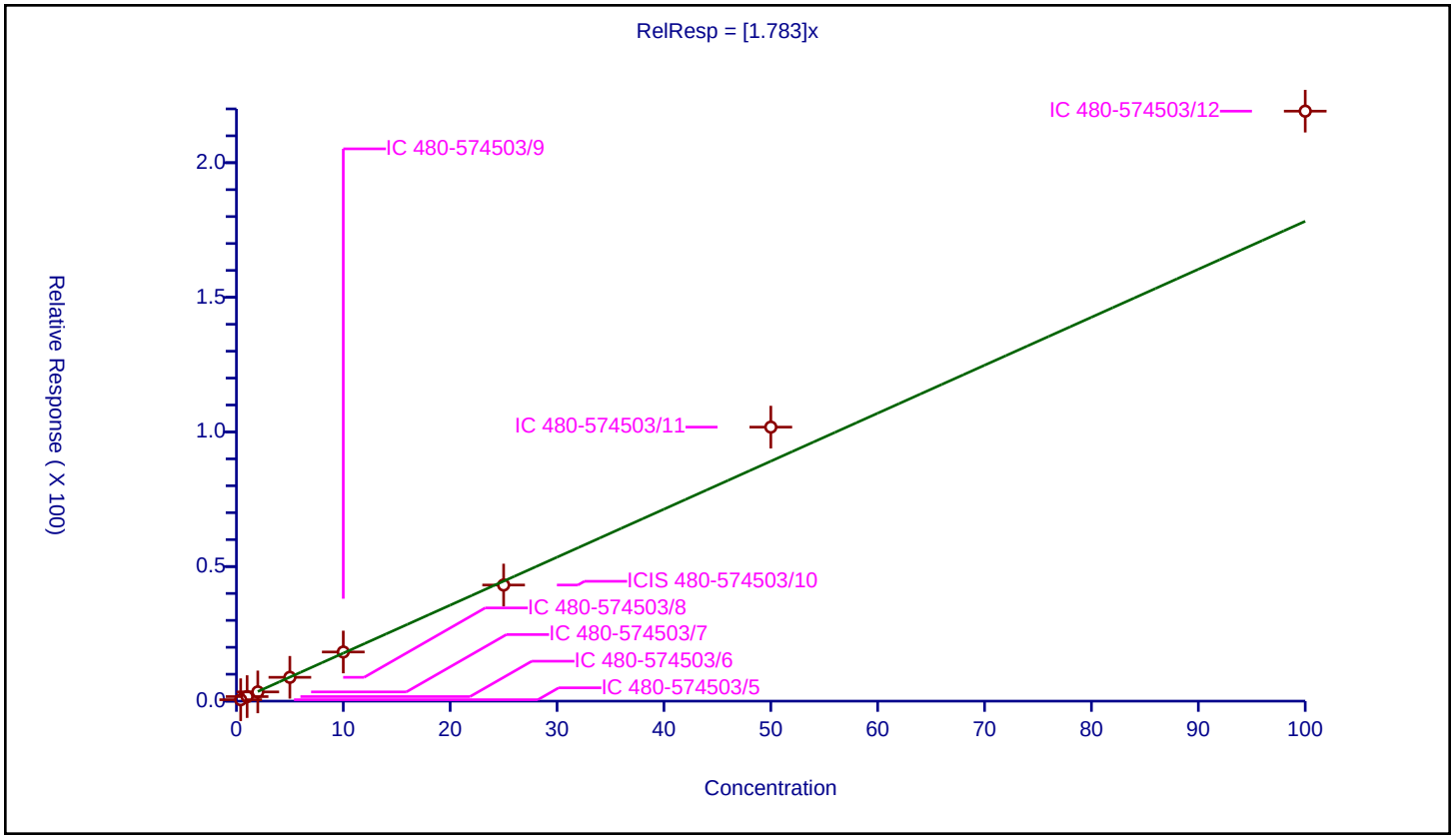
Curve Coefficients

Intercept:	0
Slope:	1.783

Error Coefficients

Standard Error:	650000
Relative Standard Error:	14.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.524919	25.0	157167.0	1.312298	Y
2	IC 480-574503/6	1.0	1.68779	25.0	177451.0	1.68779	Y
3	IC 480-574503/7	2.0	3.423647	25.0	172455.0	1.711823	Y
4	IC 480-574503/8	5.0	8.849594	25.0	175525.0	1.769919	Y
5	IC 480-574503/9	10.0	18.261936	25.0	181098.0	1.826194	Y
6	ICIS 480-574503/10	25.0	43.128734	25.0	161364.0	1.725149	Y
7	IC 480-574503/11	50.0	101.790608	25.0	180986.0	2.035812	Y
8	IC 480-574503/12	100.0	219.160898	25.0	173507.0	2.191609	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

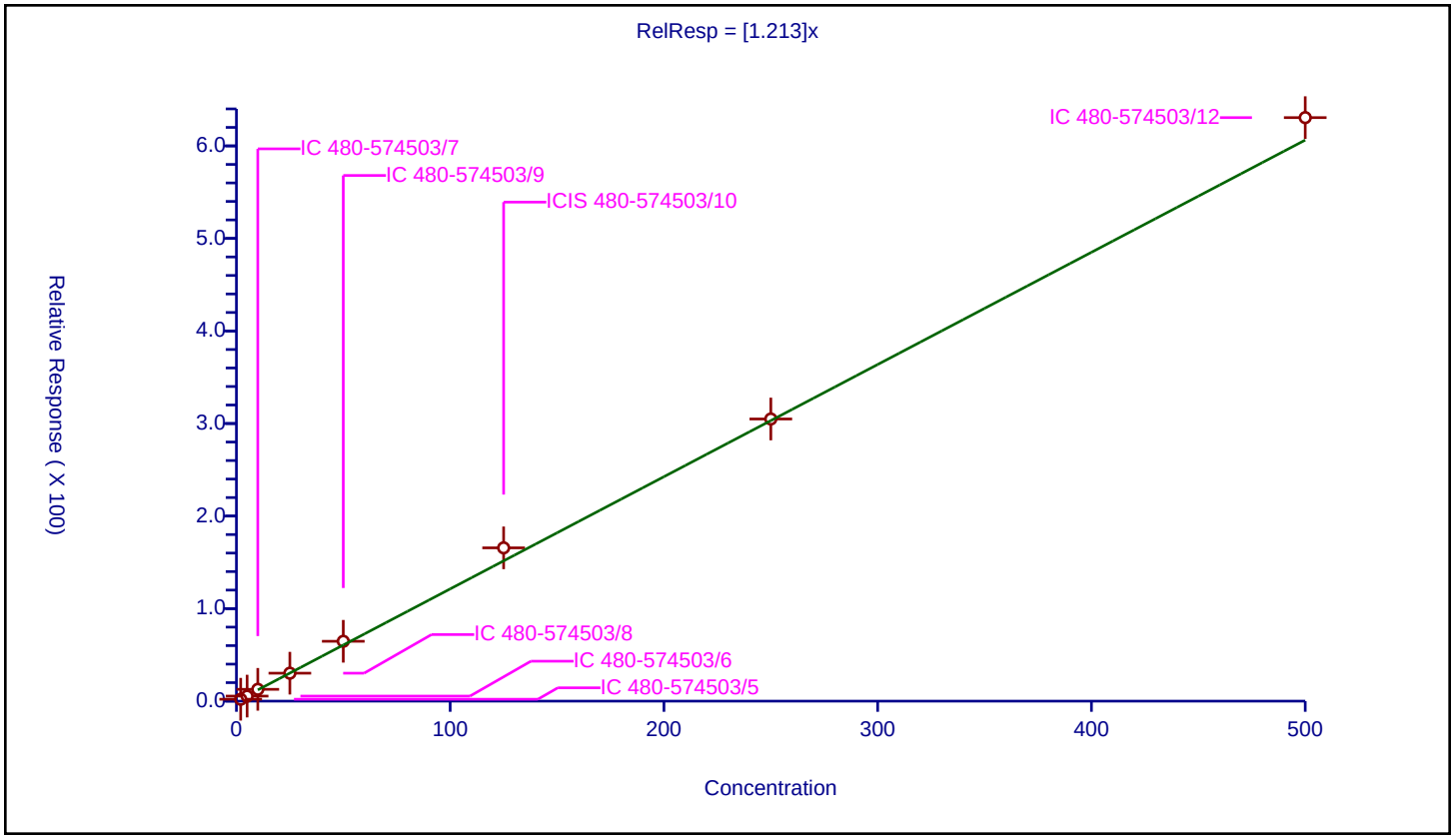
Curve Coefficients

Intercept:	0
Slope:	1.213

Error Coefficients

Standard Error:	3720000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	2.0	2.058549	25.0	270579.0	1.029274	Y
2	IC 480-574503/6	5.0	5.44092	25.0	314161.0	1.088184	Y
3	IC 480-574503/7	10.0	12.759948	25.0	310062.0	1.275995	Y
4	IC 480-574503/8	25.0	30.197026	25.0	341580.0	1.207881	Y
5	IC 480-574503/9	50.0	64.686199	25.0	323135.0	1.293724	Y
6	ICIS 480-574503/10	125.0	165.6468	25.0	285266.0	1.325174	Y
7	IC 480-574503/11	250.0	304.904263	25.0	357699.0	1.219617	Y
8	IC 480-574503/12	500.0	630.551494	25.0	339242.0	1.261103	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

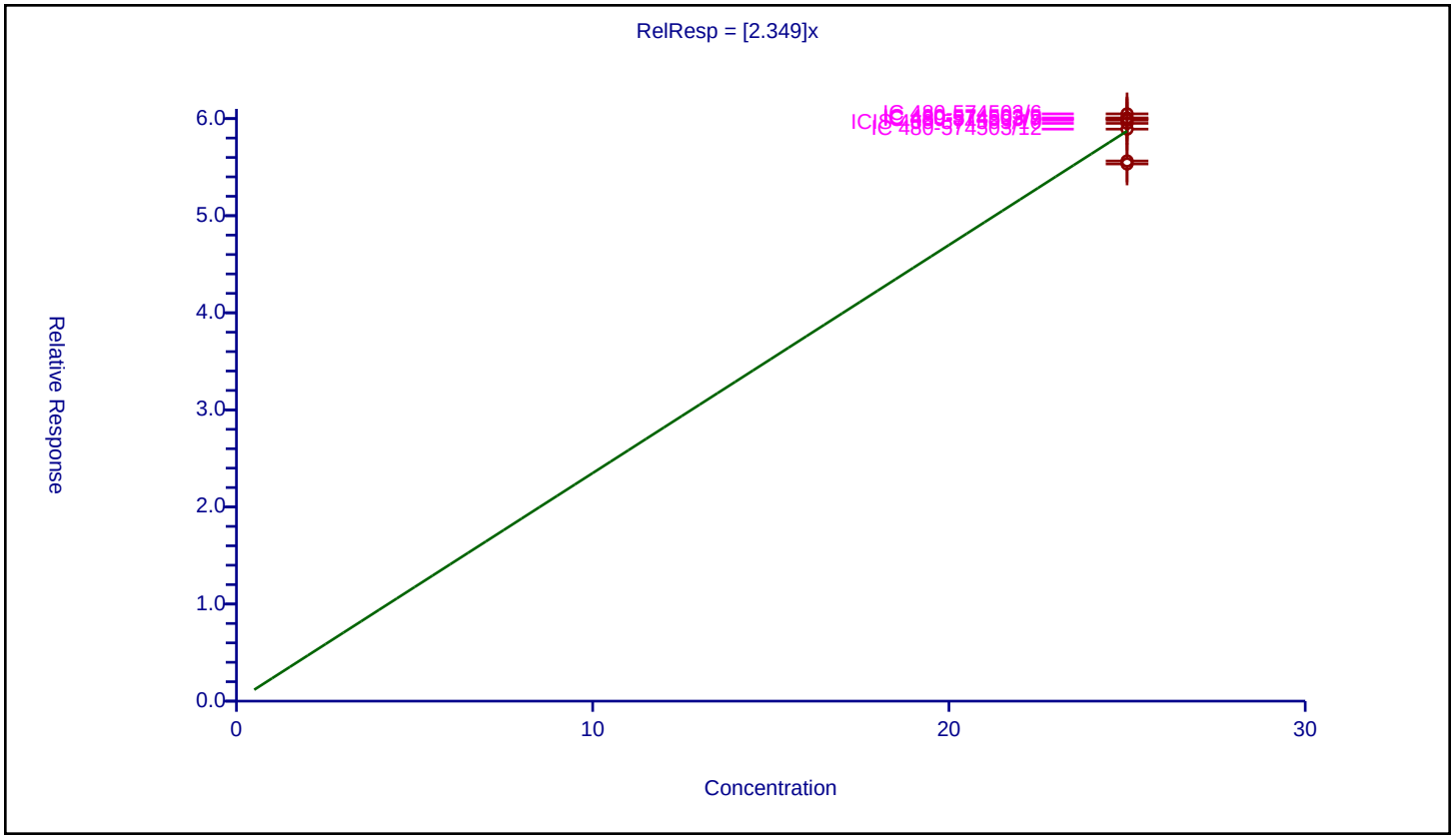
Curve Coefficients

Intercept:	0
Slope:	2.349

Error Coefficients

Standard Error:	798000
Relative Standard Error:	3.5
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	25.0	60.073491	25.0	270579.0	2.40294	Y
2	IC 480-574503/6	25.0	60.489924	25.0	314161.0	2.419597	Y
3	IC 480-574503/7	25.0	59.839645	25.0	310062.0	2.393586	Y
4	IC 480-574503/8	25.0	55.637991	25.0	341580.0	2.22552	Y
5	IC 480-574503/9	25.0	59.987931	25.0	323135.0	2.399517	Y
6	ICIS 480-574503/10	25.0	59.509458	25.0	285266.0	2.380378	Y
7	IC 480-574503/11	25.0	55.33018	25.0	357699.0	2.213207	Y
8	IC 480-574503/12	25.0	58.918854	25.0	339242.0	2.356754	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

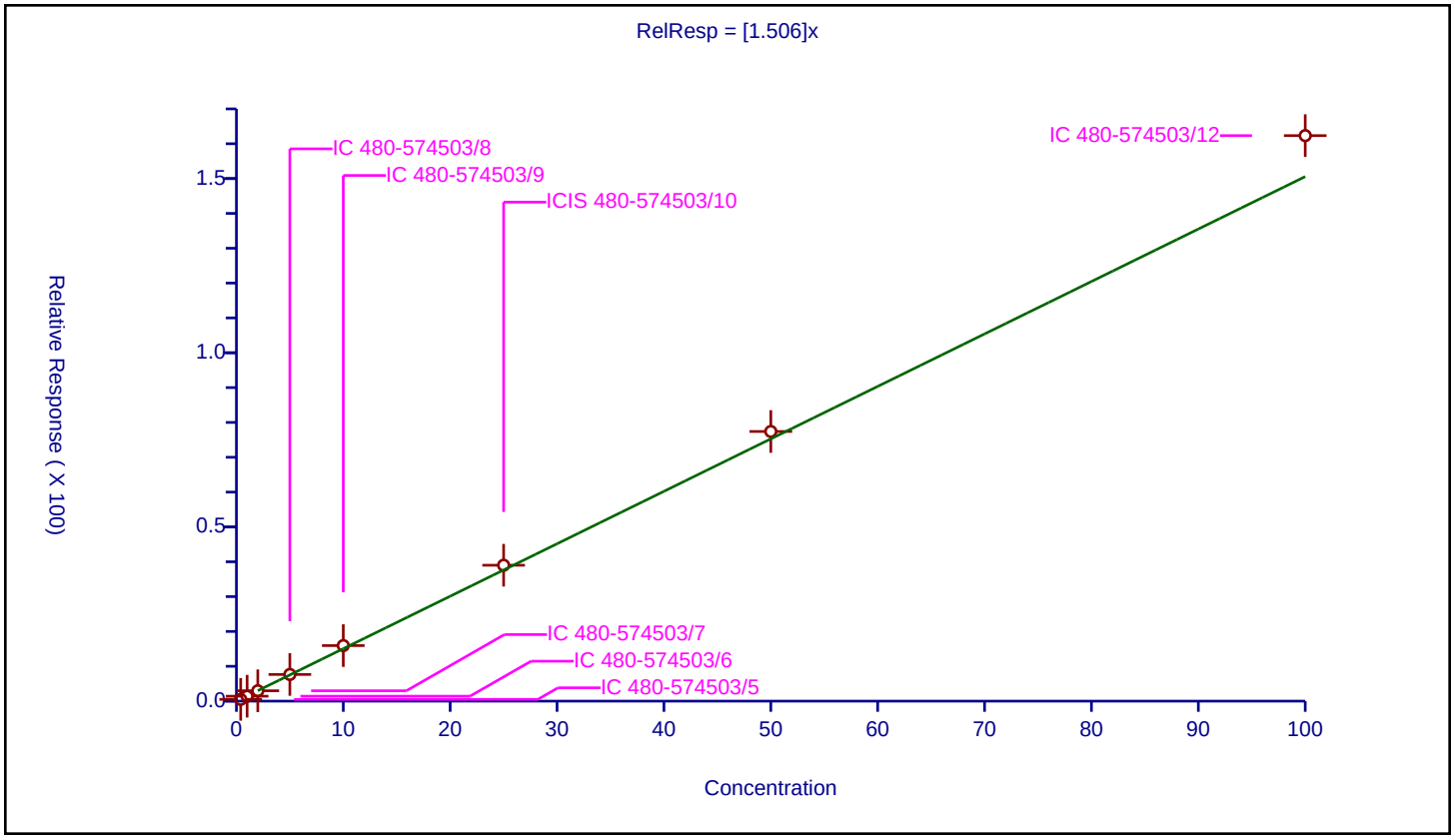
Curve Coefficients

Intercept:	0
Slope:	1.506

Error Coefficients

Standard Error:	951000
Relative Standard Error:	7.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.511496	25.0	270579.0	1.278739	Y
2	IC 480-574503/6	1.0	1.419654	25.0	314161.0	1.419654	Y
3	IC 480-574503/7	2.0	2.979323	25.0	310062.0	1.489662	Y
4	IC 480-574503/8	5.0	7.656918	25.0	341580.0	1.531384	Y
5	IC 480-574503/9	10.0	15.943104	25.0	323135.0	1.59431	Y
6	ICIS 480-574503/10	25.0	39.007979	25.0	285266.0	1.560319	Y
7	IC 480-574503/11	50.0	77.405374	25.0	357699.0	1.548107	Y
8	IC 480-574503/12	100.0	162.322619	25.0	339242.0	1.623226	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

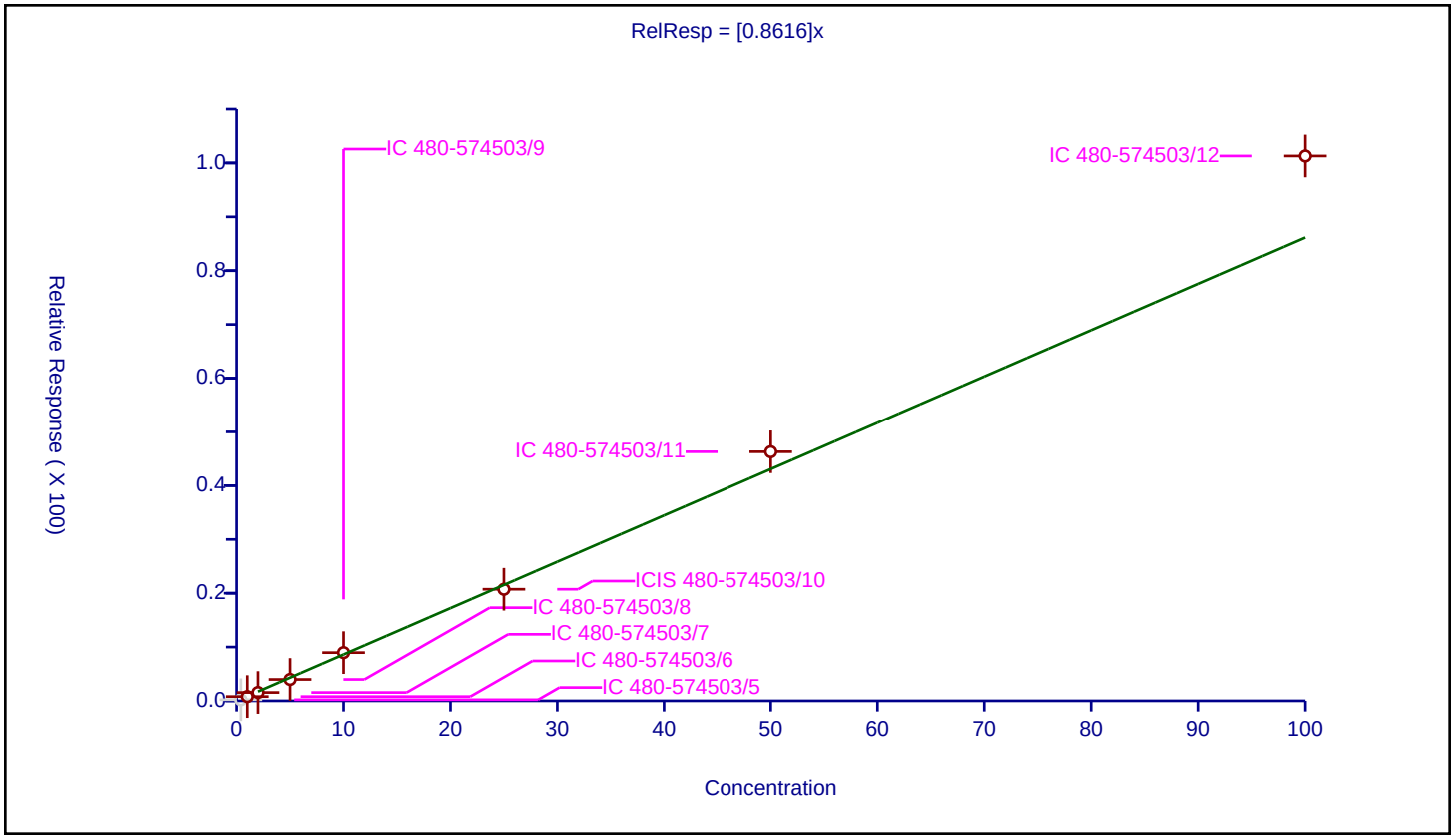
Curve Coefficients

Intercept:	0
Slope:	0.8616

Error Coefficients

Standard Error:	633000
Relative Standard Error:	10.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.210659	25.0	270579.0	0.526648	N
2	IC 480-574503/6	1.0	0.795372	25.0	314161.0	0.795372	Y
3	IC 480-574503/7	2.0	1.553238	25.0	310062.0	0.776619	Y
4	IC 480-574503/8	5.0	3.972788	25.0	341580.0	0.794558	Y
5	IC 480-574503/9	10.0	8.962044	25.0	323135.0	0.896204	Y
6	ICIS 480-574503/10	25.0	20.73924	25.0	285266.0	0.82957	Y
7	IC 480-574503/11	50.0	46.306881	25.0	357699.0	0.926138	Y
8	IC 480-574503/12	100.0	101.300915	25.0	339242.0	1.013009	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

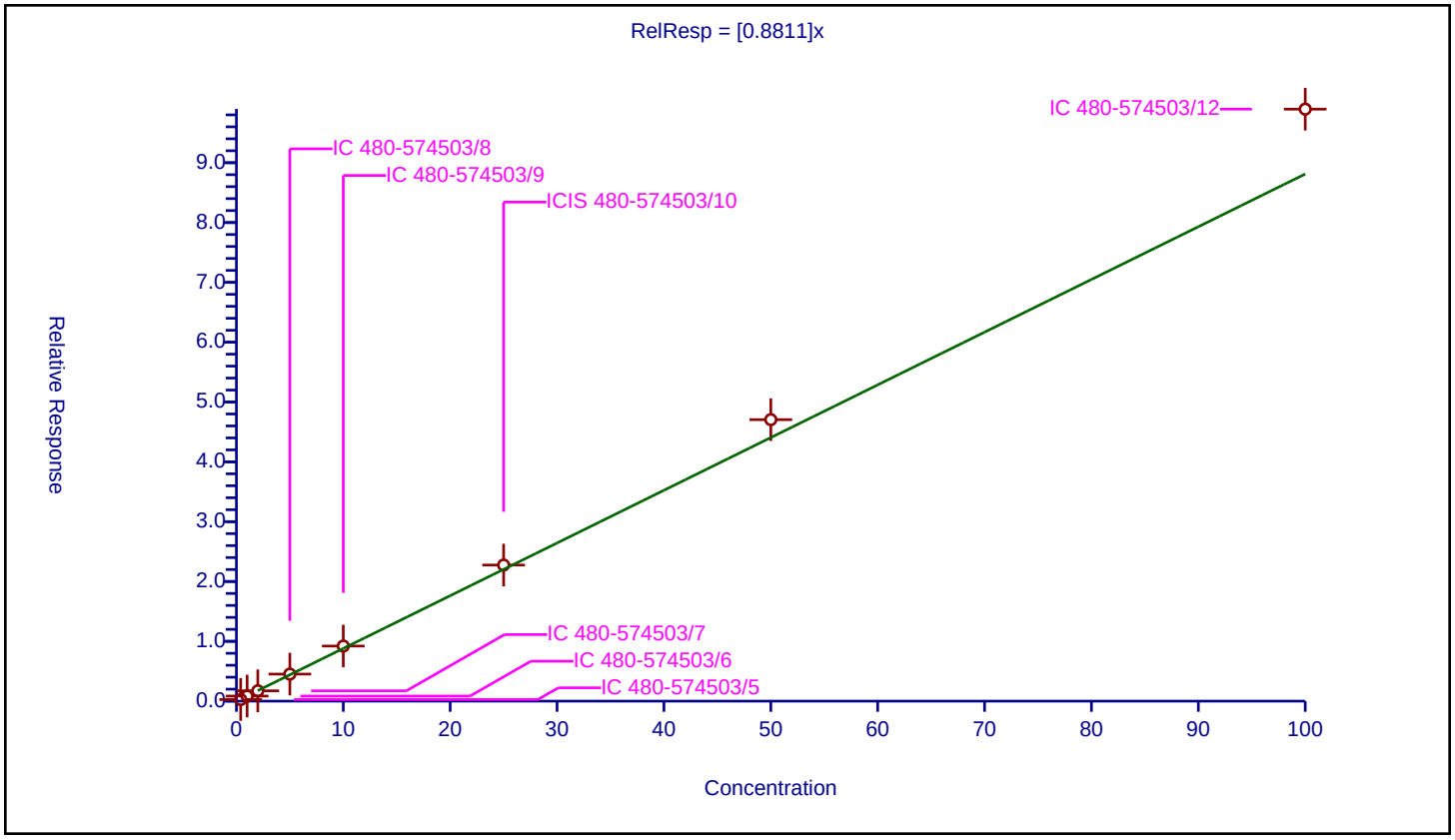
Curve Coefficients

Intercept:	0
Slope:	0.8811

Error Coefficients

Standard Error:	578000
Relative Standard Error:	10.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.269515	25.0	270579.0	0.673787	Y
2	IC 480-574503/6	1.0	0.847257	25.0	314161.0	0.847257	Y
3	IC 480-574503/7	2.0	1.724494	25.0	310062.0	0.862247	Y
4	IC 480-574503/8	5.0	4.521781	25.0	341580.0	0.904356	Y
5	IC 480-574503/9	10.0	9.208767	25.0	323135.0	0.920877	Y
6	ICIS 480-574503/10	25.0	22.746665	25.0	285266.0	0.909867	Y
7	IC 480-574503/11	50.0	47.05269	25.0	357699.0	0.941054	Y
8	IC 480-574503/12	100.0	98.953328	25.0	339242.0	0.989533	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

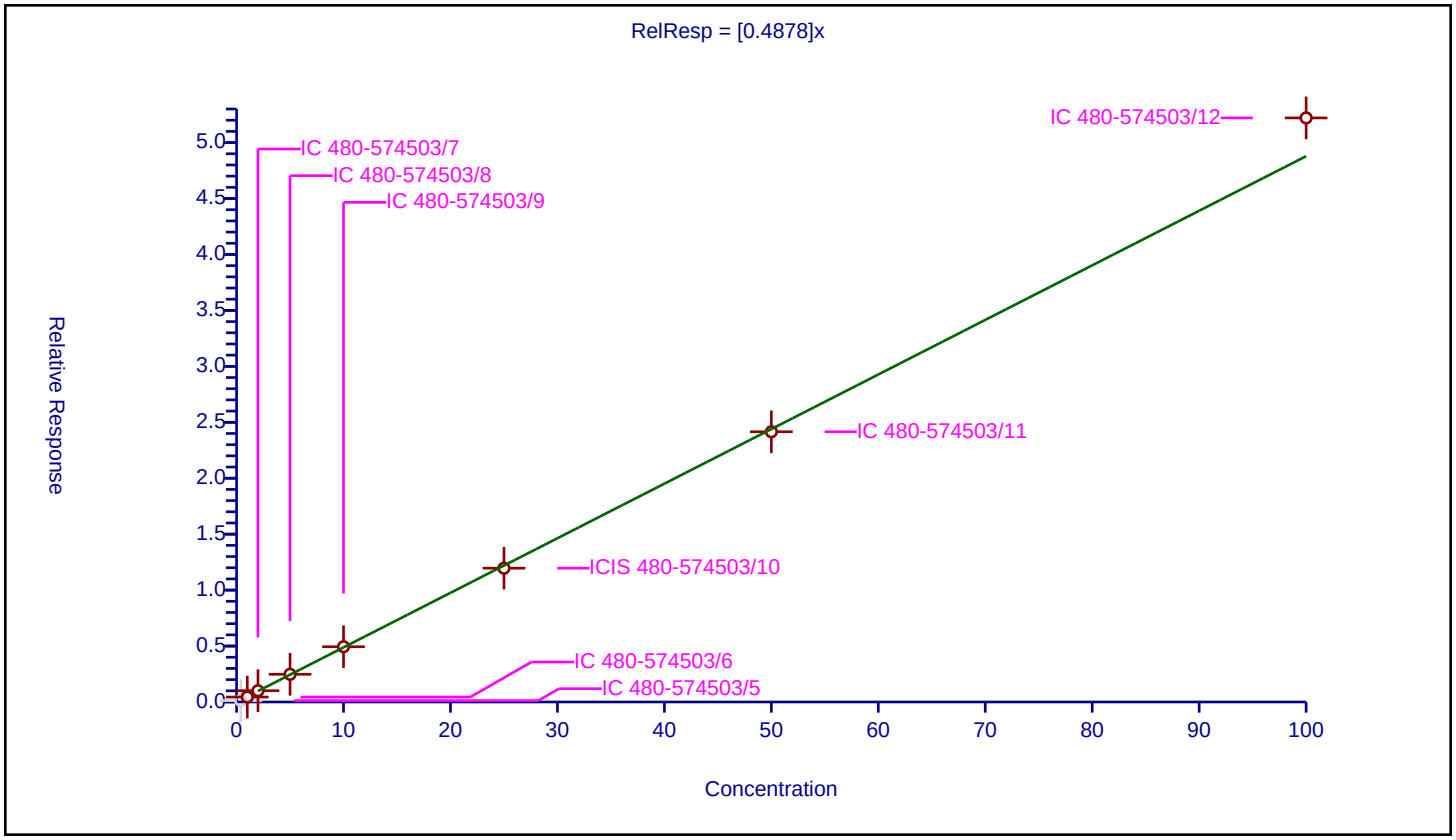
Curve Coefficients

Intercept:	0
Slope:	0.4878

Error Coefficients

Standard Error:	328000
Relative Standard Error:	5.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.122792	25.0	270579.0	0.306981	N
2	IC 480-574503/6	1.0	0.439345	25.0	314161.0	0.439345	Y
3	IC 480-574503/7	2.0	1.006089	25.0	310062.0	0.503045	Y
4	IC 480-574503/8	5.0	2.475774	25.0	341580.0	0.495155	Y
5	IC 480-574503/9	10.0	4.938029	25.0	323135.0	0.493803	Y
6	ICIS 480-574503/10	25.0	11.959014	25.0	285266.0	0.478361	Y
7	IC 480-574503/11	50.0	24.152709	25.0	357699.0	0.483054	Y
8	IC 480-574503/12	100.0	52.2044	25.0	339242.0	0.522044	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

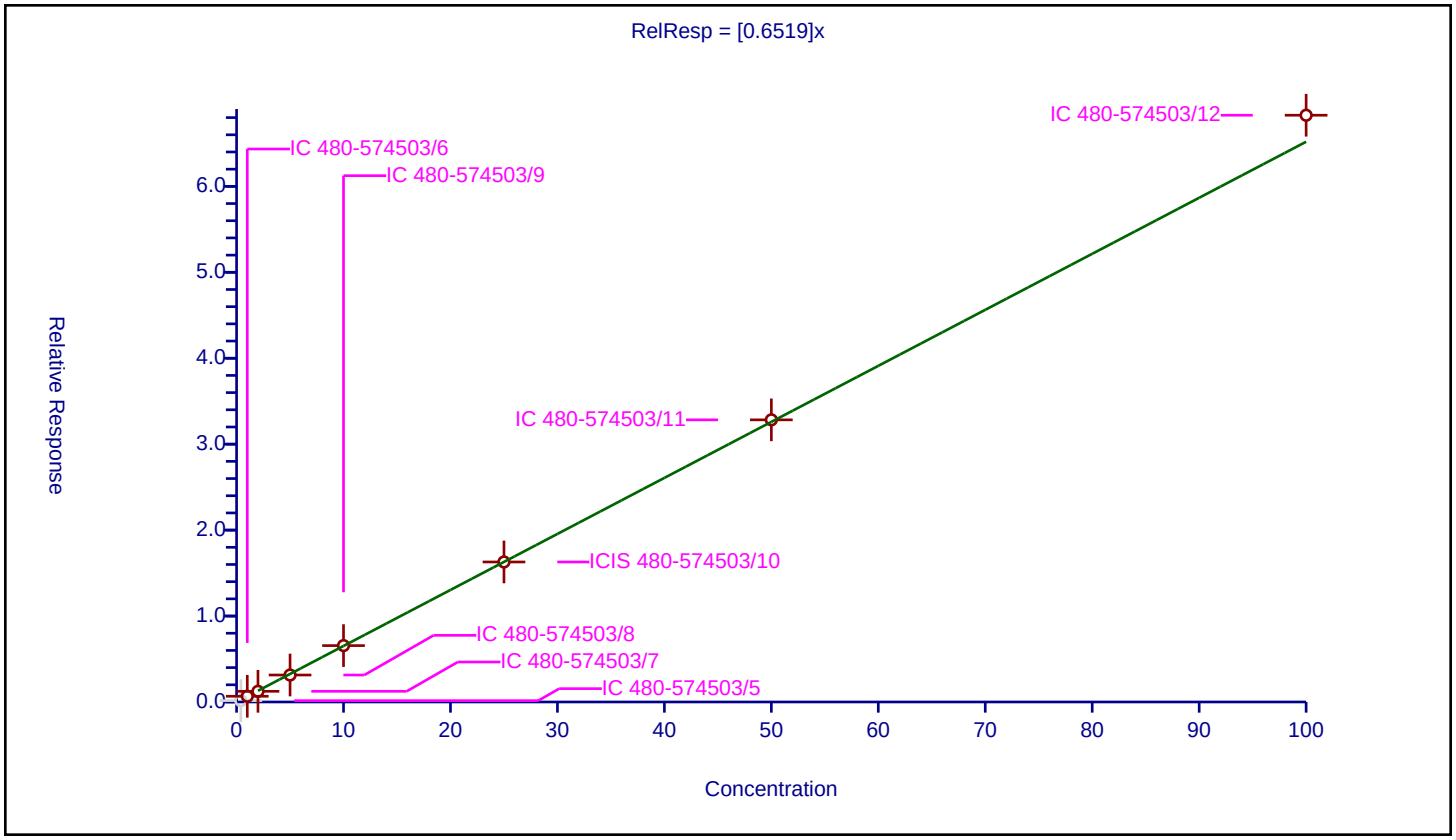
Curve Coefficients

Intercept:	0
Slope:	0.6519

Error Coefficients

Standard Error:	433000
Relative Standard Error:	3.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.156978	25.0	270579.0	0.392445	N
2	IC 480-574503/6	1.0	0.666696	25.0	314161.0	0.666696	Y
3	IC 480-574503/7	2.0	1.242977	25.0	310062.0	0.621489	Y
4	IC 480-574503/8	5.0	3.138211	25.0	341580.0	0.627642	Y
5	IC 480-574503/9	10.0	6.56235	25.0	323135.0	0.656235	Y
6	ICIS 480-574503/10	25.0	16.293565	25.0	285266.0	0.651743	Y
7	IC 480-574503/11	50.0	32.829977	25.0	357699.0	0.6566	Y
8	IC 480-574503/12	100.0	68.276555	25.0	339242.0	0.682766	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

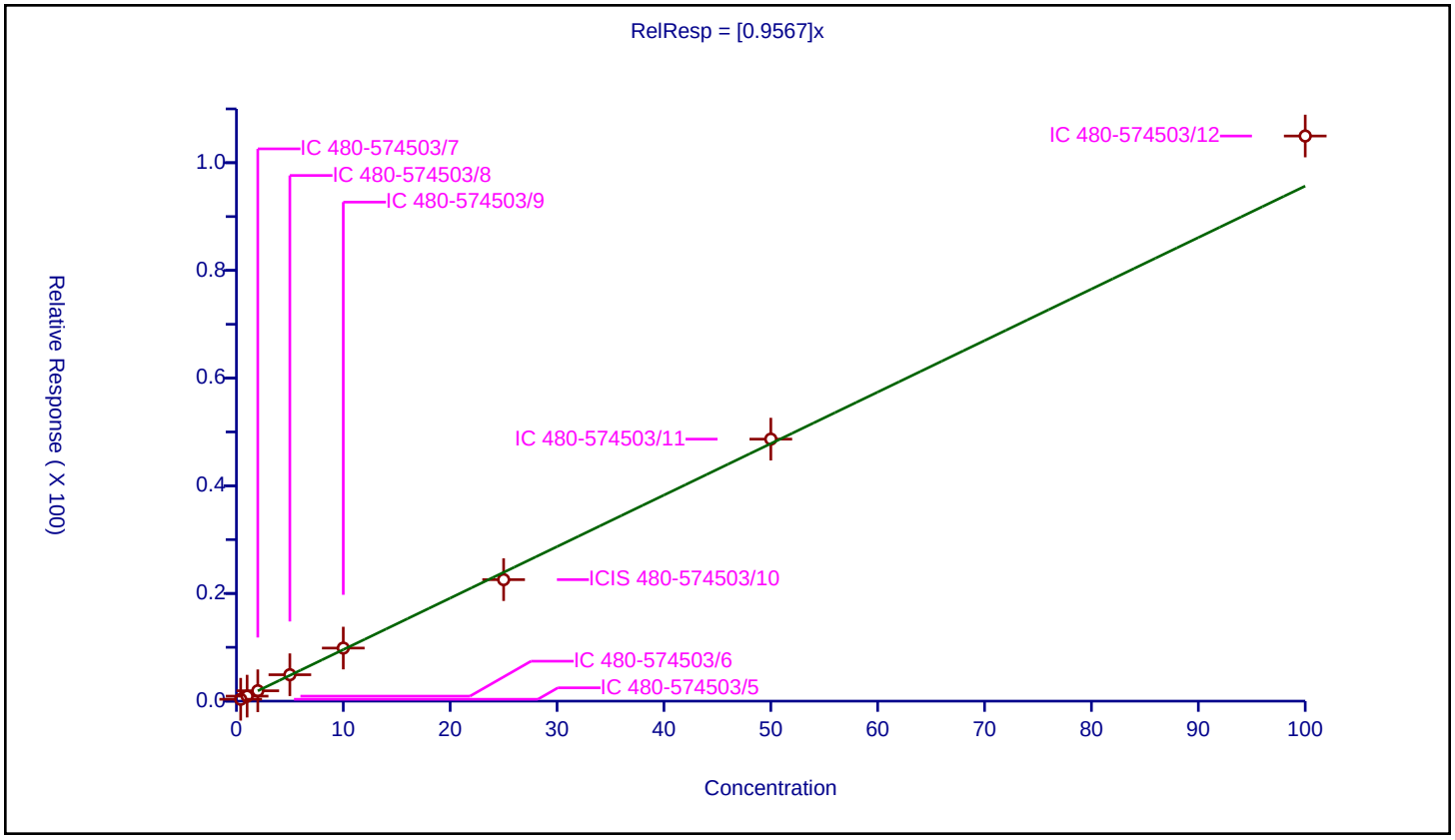
Curve Coefficients

Intercept:	0
Slope:	0.9567

Error Coefficients

Standard Error:	610000
Relative Standard Error:	5.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.34805	25.0	270579.0	0.870125	Y
2	IC 480-574503/6	1.0	0.929301	25.0	314161.0	0.929301	Y
3	IC 480-574503/7	2.0	1.924373	25.0	310062.0	0.962187	Y
4	IC 480-574503/8	5.0	4.905879	25.0	341580.0	0.981176	Y
5	IC 480-574503/9	10.0	9.854395	25.0	323135.0	0.98544	Y
6	ICIS 480-574503/10	25.0	22.562538	25.0	285266.0	0.902502	Y
7	IC 480-574503/11	50.0	48.666616	25.0	357699.0	0.973332	Y
8	IC 480-574503/12	100.0	104.964229	25.0	339242.0	1.049642	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

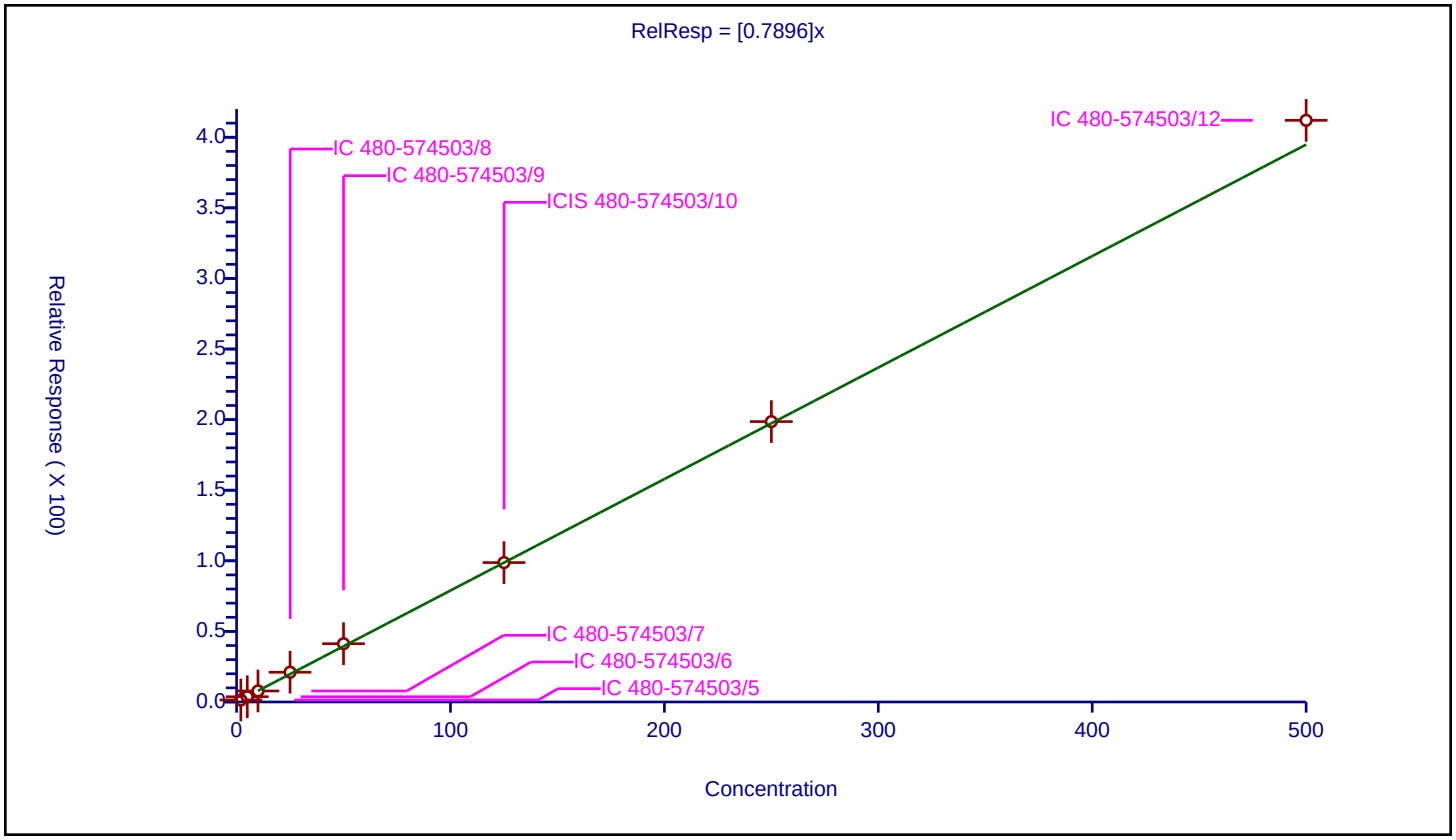
Curve Coefficients

Intercept:	0
Slope:	0.7896

Error Coefficients

Standard Error:	2420000
Relative Standard Error:	5.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	2.0	1.432391	25.0	270579.0	0.716196	Y
2	IC 480-574503/6	5.0	3.709483	25.0	314161.0	0.741897	Y
3	IC 480-574503/7	10.0	7.819484	25.0	310062.0	0.781948	Y
4	IC 480-574503/8	25.0	21.068564	25.0	341580.0	0.842743	Y
5	IC 480-574503/9	50.0	41.27029	25.0	323135.0	0.825406	Y
6	ICIS 480-574503/10	125.0	98.736267	25.0	285266.0	0.78989	Y
7	IC 480-574503/11	250.0	198.595886	25.0	357699.0	0.794384	Y
8	IC 480-574503/12	500.0	411.979059	25.0	339242.0	0.823958	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

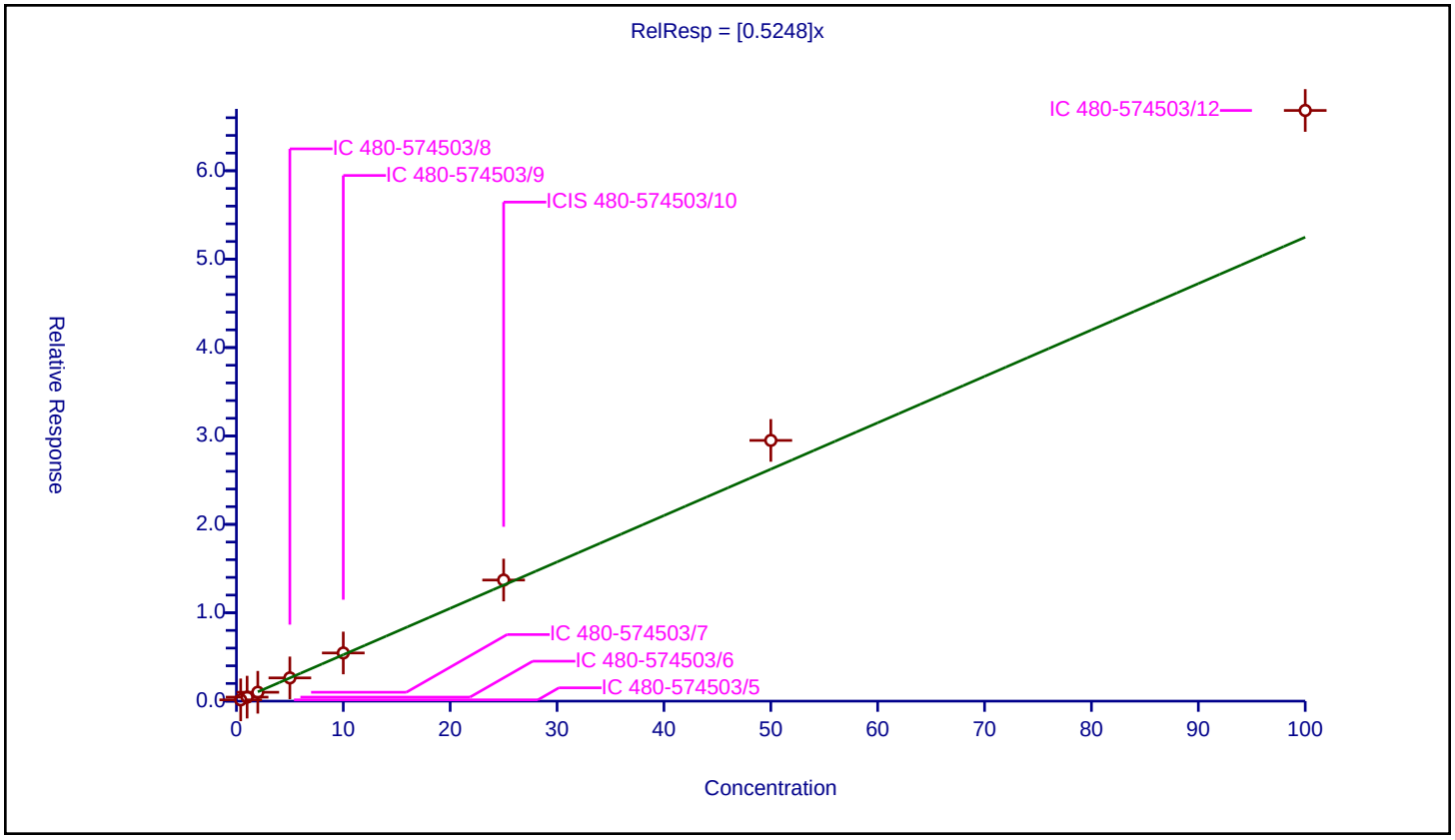
Curve Coefficients

Intercept:	0
Slope:	0.5248

Error Coefficients

Standard Error:	384000
Relative Standard Error:	17.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.146815	25.0	270579.0	0.367037	Y
2	IC 480-574503/6	1.0	0.452952	25.0	314161.0	0.452952	Y
3	IC 480-574503/7	2.0	1.004315	25.0	310062.0	0.502158	Y
4	IC 480-574503/8	5.0	2.629033	25.0	341580.0	0.525807	Y
5	IC 480-574503/9	10.0	5.4478	25.0	323135.0	0.54478	Y
6	ICIS 480-574503/10	25.0	13.69853	25.0	285266.0	0.547941	Y
7	IC 480-574503/11	50.0	29.49526	25.0	357699.0	0.589905	Y
8	IC 480-574503/12	100.0	66.820883	25.0	339242.0	0.668209	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

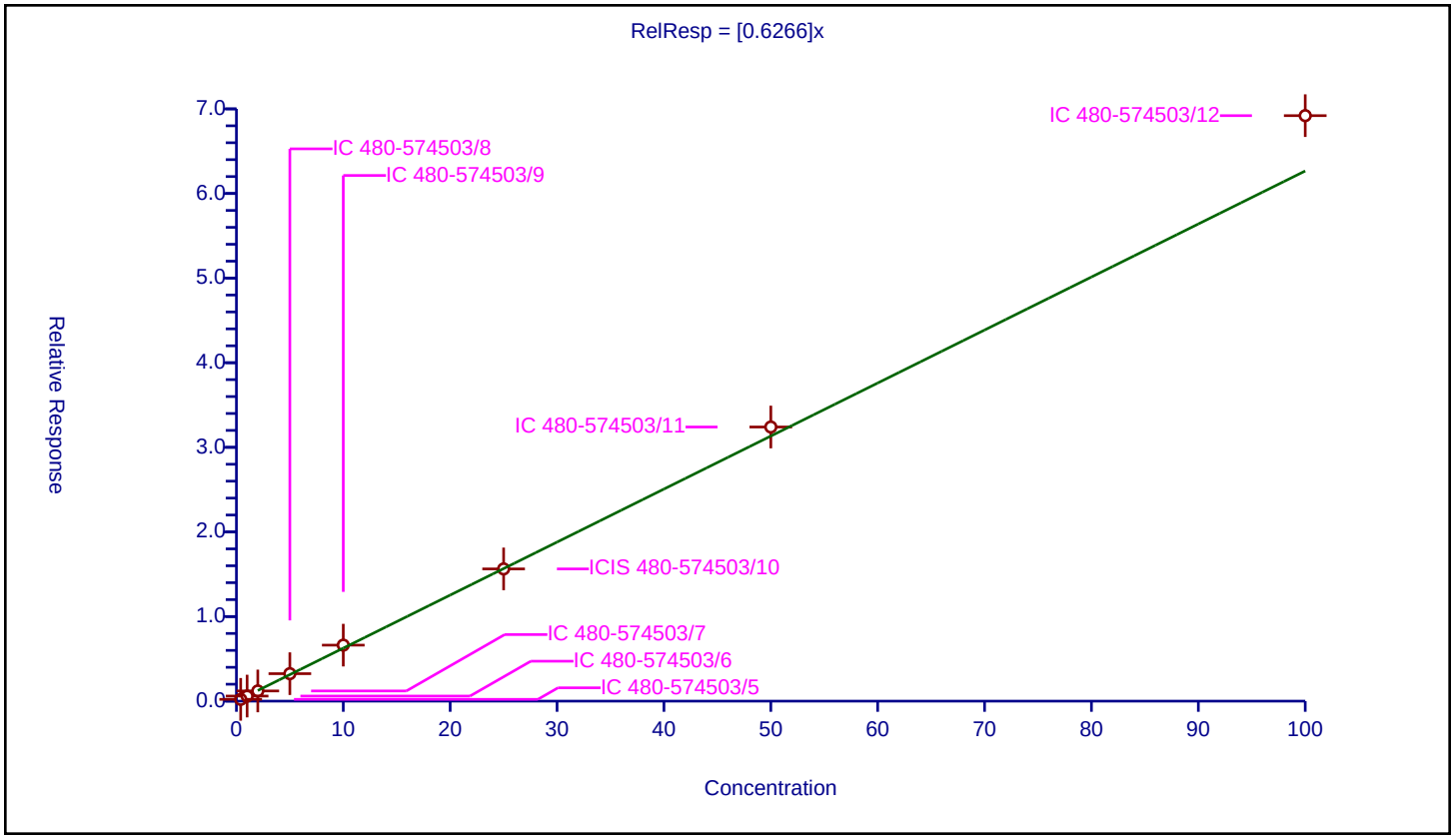
Curve Coefficients

Intercept:	0
Slope:	0.6266

Error Coefficients

Standard Error:	403000
Relative Standard Error:	7.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.213246	25.0	270579.0	0.533116	Y
2	IC 480-574503/6	1.0	0.600727	25.0	314161.0	0.600727	Y
3	IC 480-574503/7	2.0	1.205323	25.0	310062.0	0.602662	Y
4	IC 480-574503/8	5.0	3.247482	25.0	341580.0	0.649496	Y
5	IC 480-574503/9	10.0	6.618828	25.0	323135.0	0.661883	Y
6	ICIS 480-574503/10	25.0	15.626818	25.0	285266.0	0.625073	Y
7	IC 480-574503/11	50.0	32.401265	25.0	357699.0	0.648025	Y
8	IC 480-574503/12	100.0	69.201411	25.0	339242.0	0.692014	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

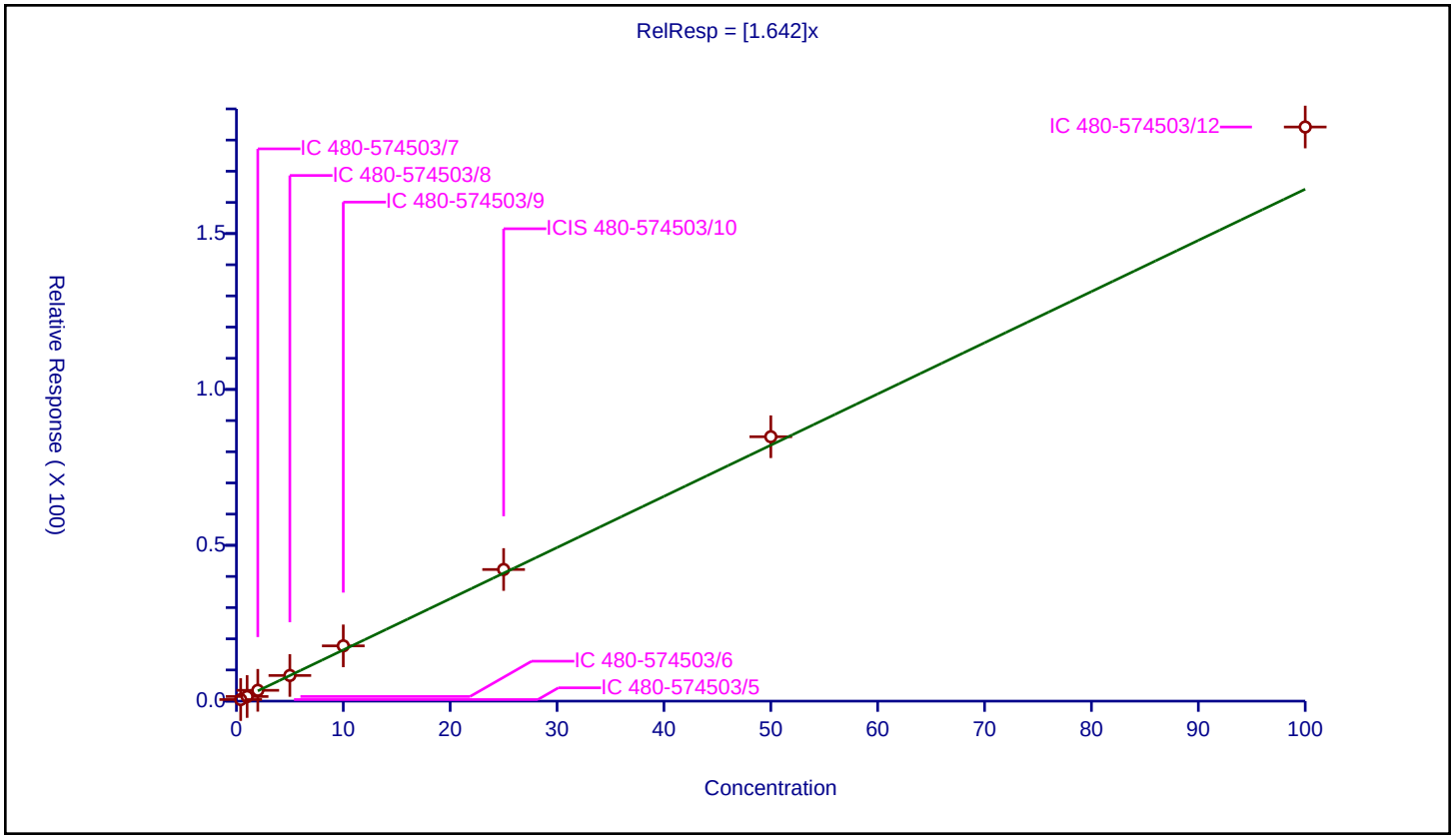
Curve Coefficients

Intercept:	0
Slope:	1.642

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	11.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.511219	25.0	270579.0	1.278046	Y
2	IC 480-574503/6	1.0	1.480133	25.0	314161.0	1.480133	Y
3	IC 480-574503/7	2.0	3.469145	25.0	310062.0	1.734572	Y
4	IC 480-574503/8	5.0	8.228673	25.0	341580.0	1.645735	Y
5	IC 480-574503/9	10.0	17.735157	25.0	323135.0	1.773516	Y
6	ICIS 480-574503/10	25.0	42.229533	25.0	285266.0	1.689181	Y
7	IC 480-574503/11	50.0	84.828725	25.0	357699.0	1.696574	Y
8	IC 480-574503/12	100.0	184.192405	25.0	339242.0	1.841924	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

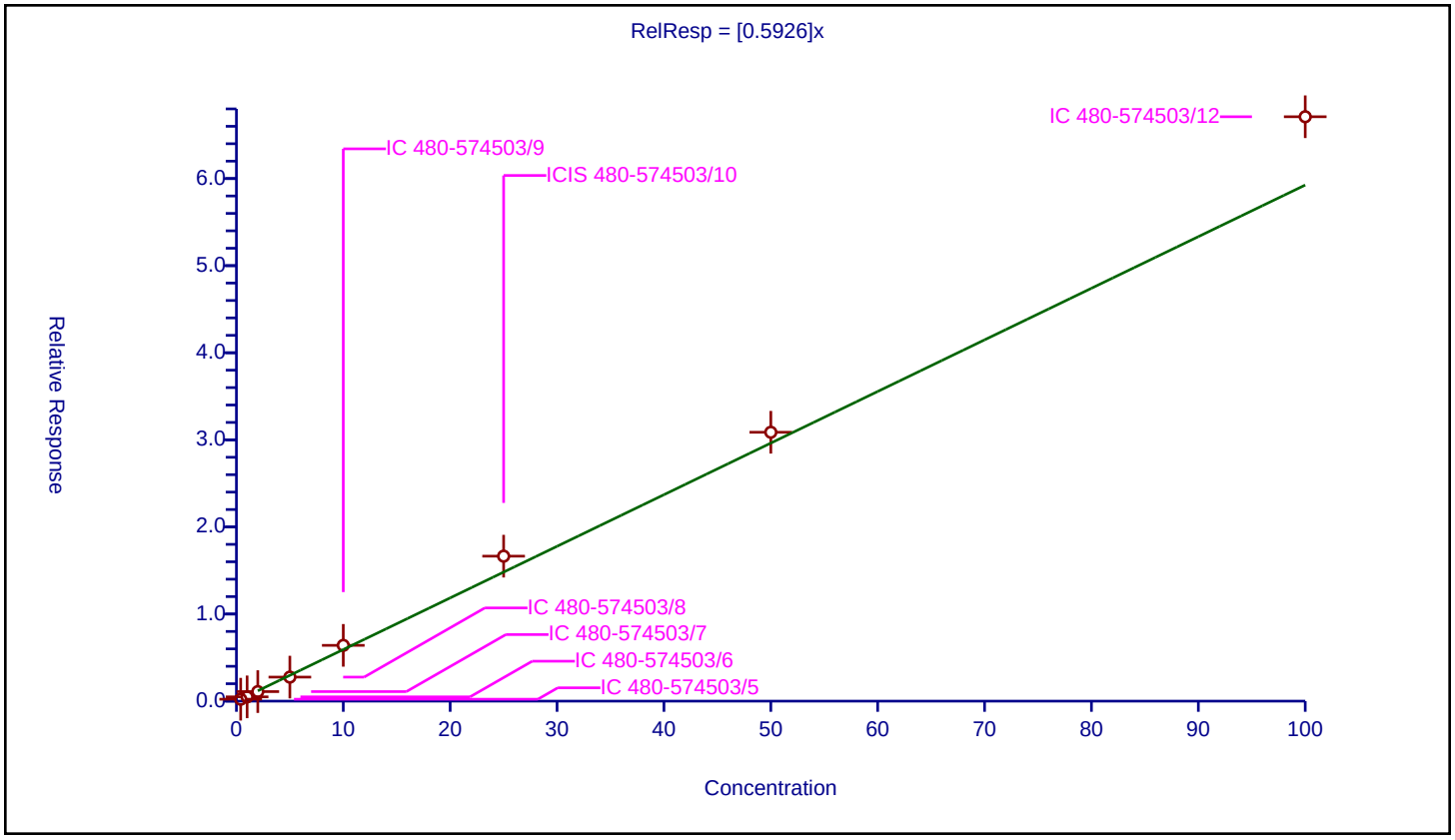
Curve Coefficients

Intercept:	0
Slope:	0.5926

Error Coefficients

Standard Error:	391000
Relative Standard Error:	11.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.222116	25.0	270579.0	0.555291	Y
2	IC 480-574503/6	1.0	0.490752	25.0	314161.0	0.490752	Y
3	IC 480-574503/7	2.0	1.09599	25.0	310062.0	0.547995	Y
4	IC 480-574503/8	5.0	2.759236	25.0	341580.0	0.551847	Y
5	IC 480-574503/9	10.0	6.404212	25.0	323135.0	0.640421	Y
6	ICIS 480-574503/10	25.0	16.645079	25.0	285266.0	0.665803	Y
7	IC 480-574503/11	50.0	30.872396	25.0	357699.0	0.617448	Y
8	IC 480-574503/12	100.0	67.096497	25.0	339242.0	0.670965	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

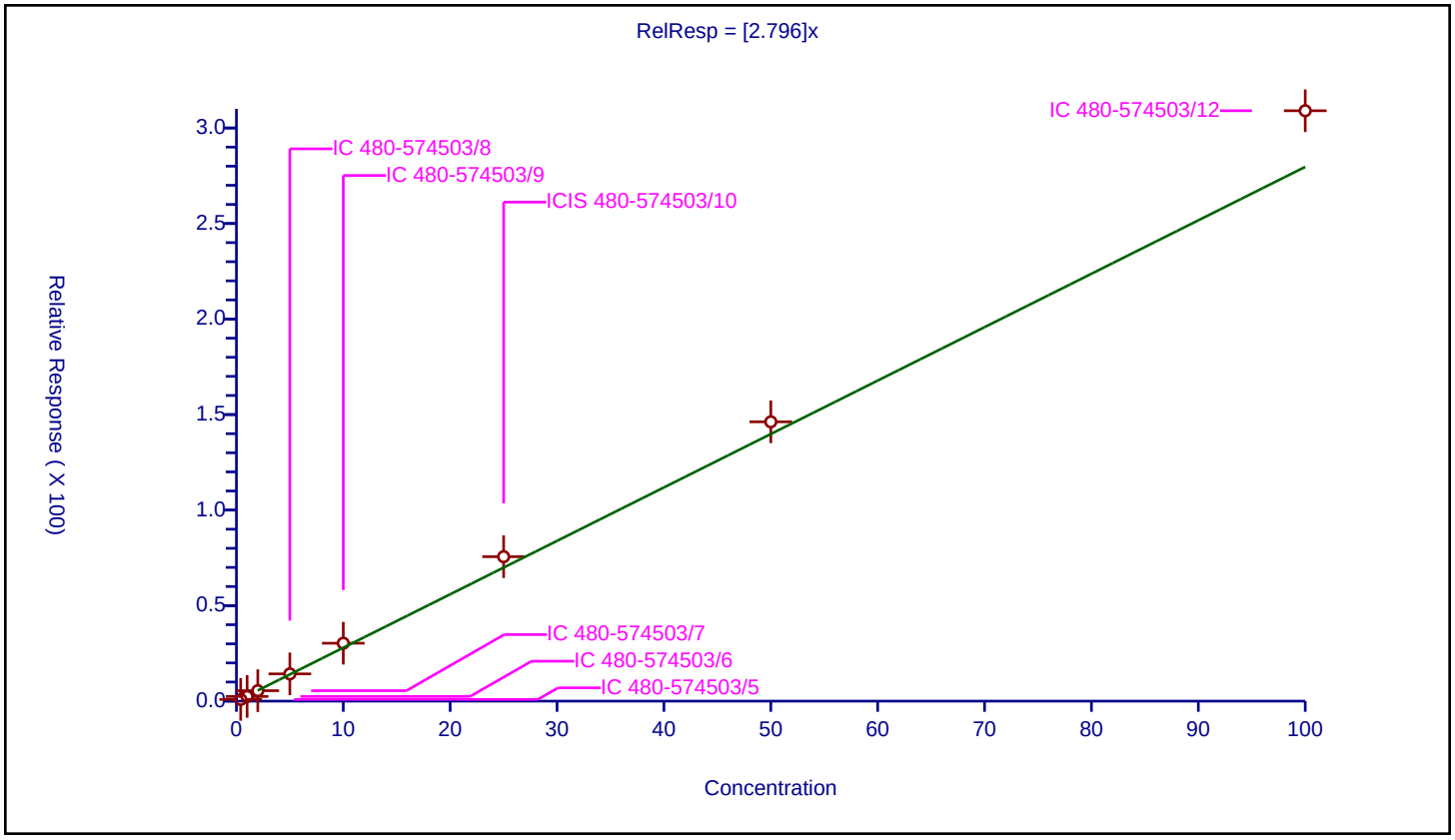
Curve Coefficients

Intercept:	0
Slope:	2.796

Error Coefficients

Standard Error:	1810000
Relative Standard Error:	10.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.905835	25.0	270579.0	2.264588	Y
2	IC 480-574503/6	1.0	2.442537	25.0	314161.0	2.442537	Y
3	IC 480-574503/7	2.0	5.478662	25.0	310062.0	2.739331	Y
4	IC 480-574503/8	5.0	14.272059	25.0	341580.0	2.854412	Y
5	IC 480-574503/9	10.0	30.316354	25.0	323135.0	3.031635	Y
6	ICIS 480-574503/10	25.0	75.603998	25.0	285266.0	3.02416	Y
7	IC 480-574503/11	50.0	146.206797	25.0	357699.0	2.924136	Y
8	IC 480-574503/12	100.0	309.021289	25.0	339242.0	3.090213	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

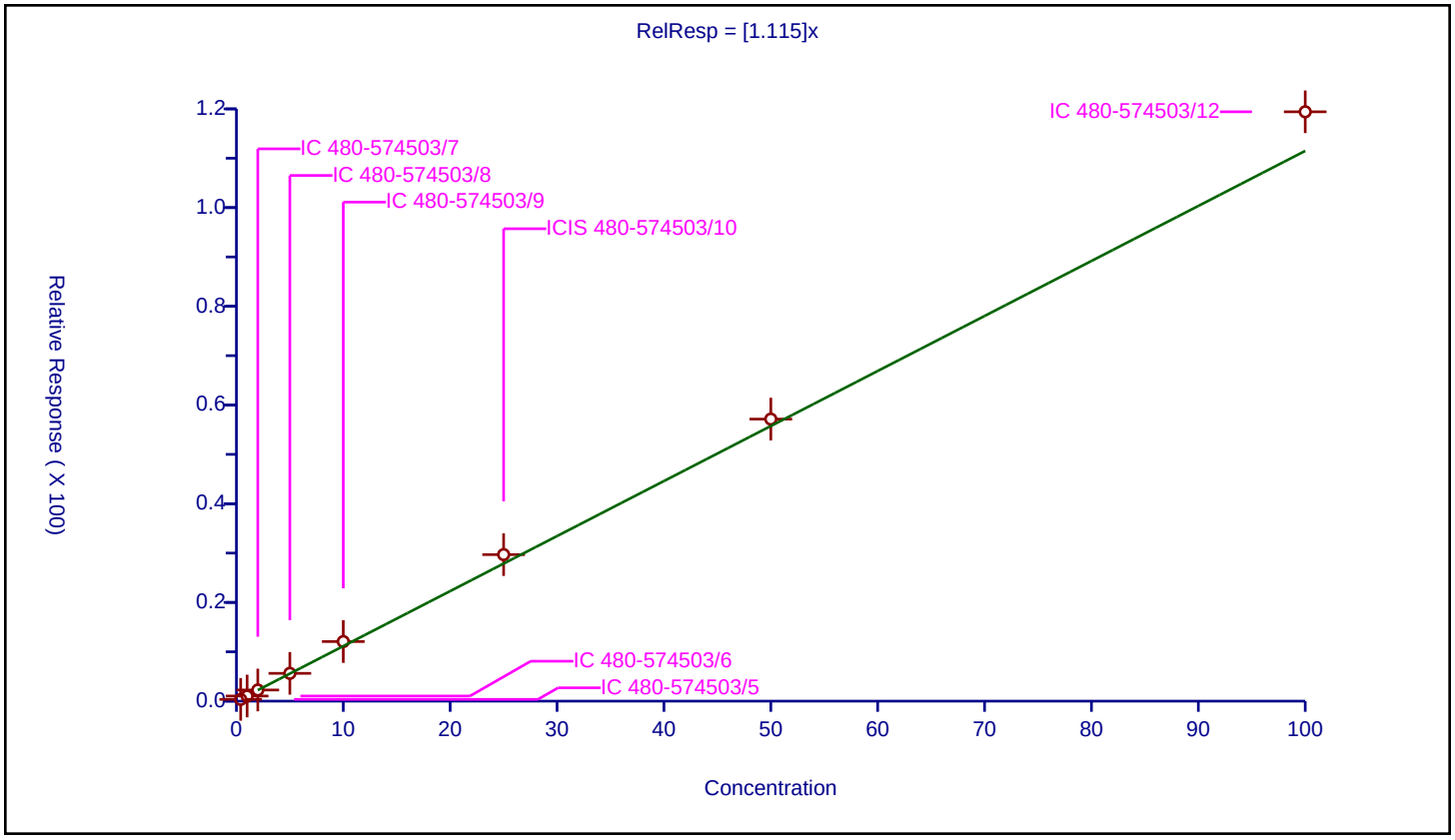
Curve Coefficients

Intercept:	0
Slope:	1.115

Error Coefficients

Standard Error:	701000
Relative Standard Error:	9.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.356181	25.0	270579.0	0.890452	Y
2	IC 480-574503/6	1.0	1.041265	25.0	314161.0	1.041265	Y
3	IC 480-574503/7	2.0	2.257049	25.0	310062.0	1.128524	Y
4	IC 480-574503/8	5.0	5.63199	25.0	341580.0	1.126398	Y
5	IC 480-574503/9	10.0	12.074056	25.0	323135.0	1.207406	Y
6	ICIS 480-574503/10	25.0	29.690797	25.0	285266.0	1.187632	Y
7	IC 480-574503/11	50.0	57.148818	25.0	357699.0	1.142976	Y
8	IC 480-574503/12	100.0	119.409669	25.0	339242.0	1.194097	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

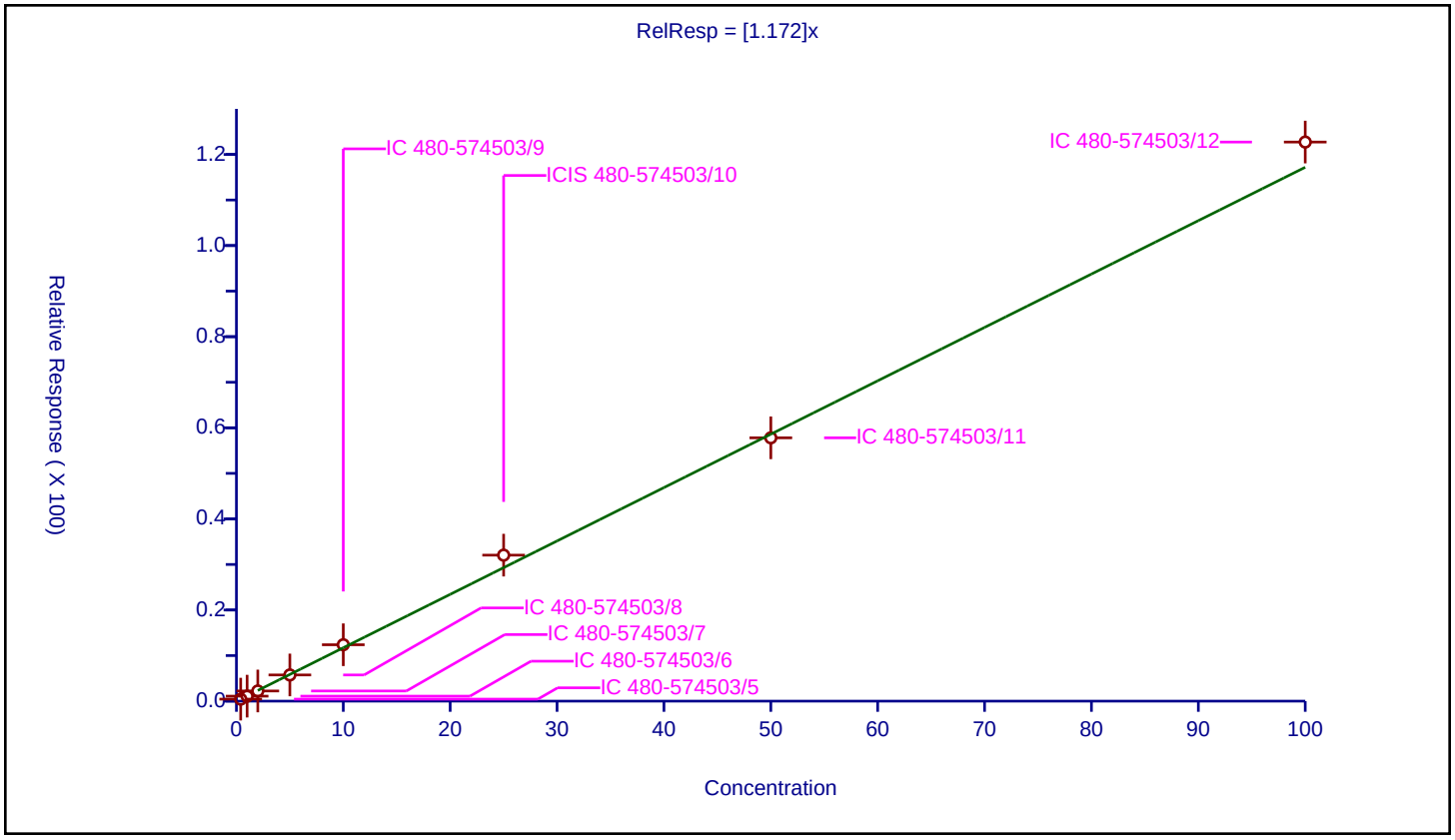
Curve Coefficients

Intercept:	0
Slope:	1.172

Error Coefficients

Standard Error:	719000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.443955	25.0	270579.0	1.109888	Y
2	IC 480-574503/6	1.0	1.098004	25.0	314161.0	1.098004	Y
3	IC 480-574503/7	2.0	2.228022	25.0	310062.0	1.114011	Y
4	IC 480-574503/8	5.0	5.749458	25.0	341580.0	1.149892	Y
5	IC 480-574503/9	10.0	12.379423	25.0	323135.0	1.237942	Y
6	ICIS 480-574503/10	25.0	32.045442	25.0	285266.0	1.281818	Y
7	IC 480-574503/11	50.0	57.800763	25.0	357699.0	1.156015	Y
8	IC 480-574503/12	100.0	122.720506	25.0	339242.0	1.227205	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

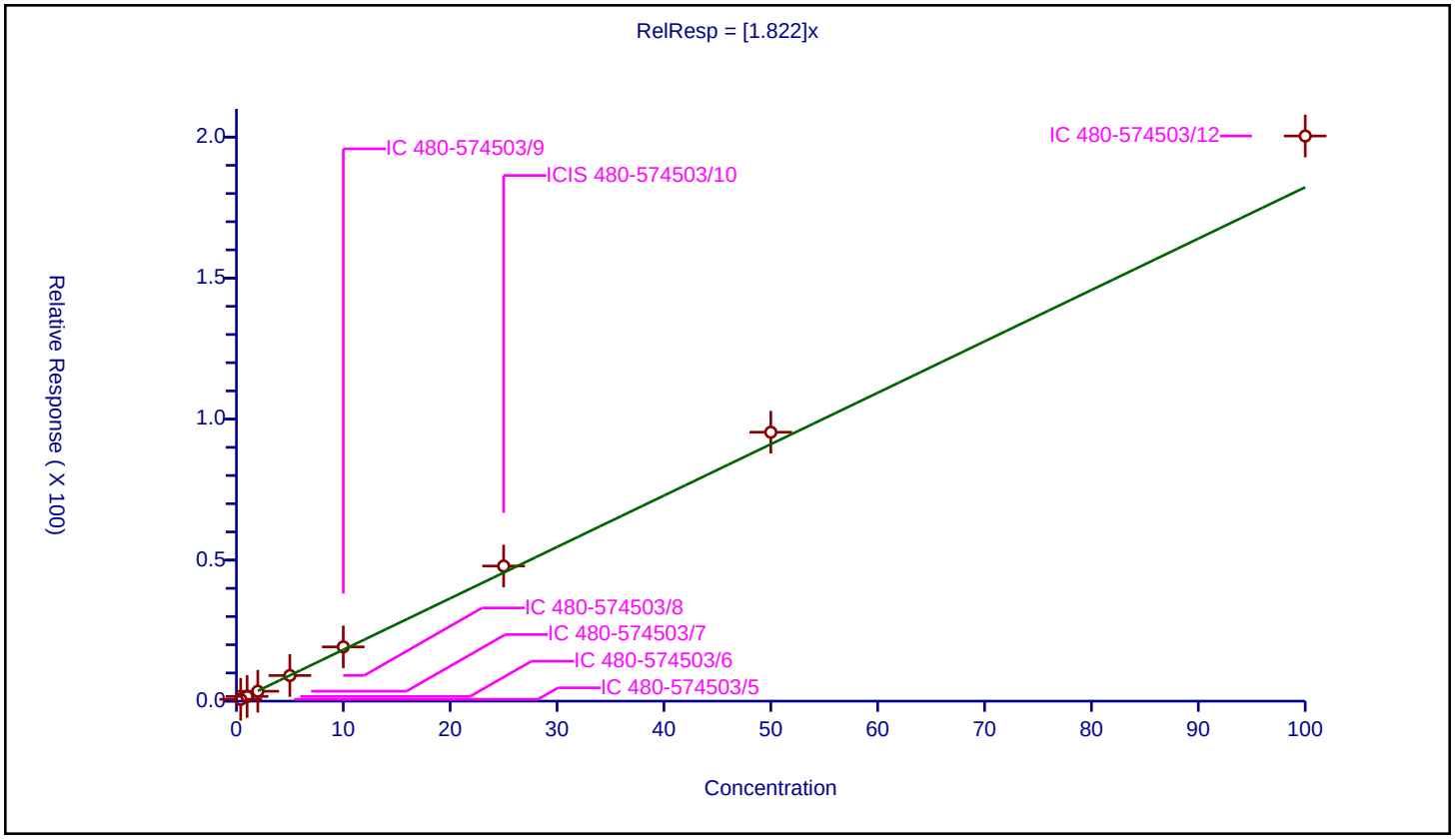
Curve Coefficients

Intercept:	0
Slope:	1.822

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	7.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.635674	25.0	270579.0	1.589185	Y
2	IC 480-574503/6	1.0	1.666025	25.0	314161.0	1.666025	Y
3	IC 480-574503/7	2.0	3.50575	25.0	310062.0	1.752875	Y
4	IC 480-574503/8	5.0	9.088866	25.0	341580.0	1.817773	Y
5	IC 480-574503/9	10.0	19.244356	25.0	323135.0	1.924436	Y
6	ICIS 480-574503/10	25.0	47.908882	25.0	285266.0	1.916355	Y
7	IC 480-574503/11	50.0	95.35685	25.0	357699.0	1.907137	Y
8	IC 480-574503/12	100.0	200.382544	25.0	339242.0	2.003825	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

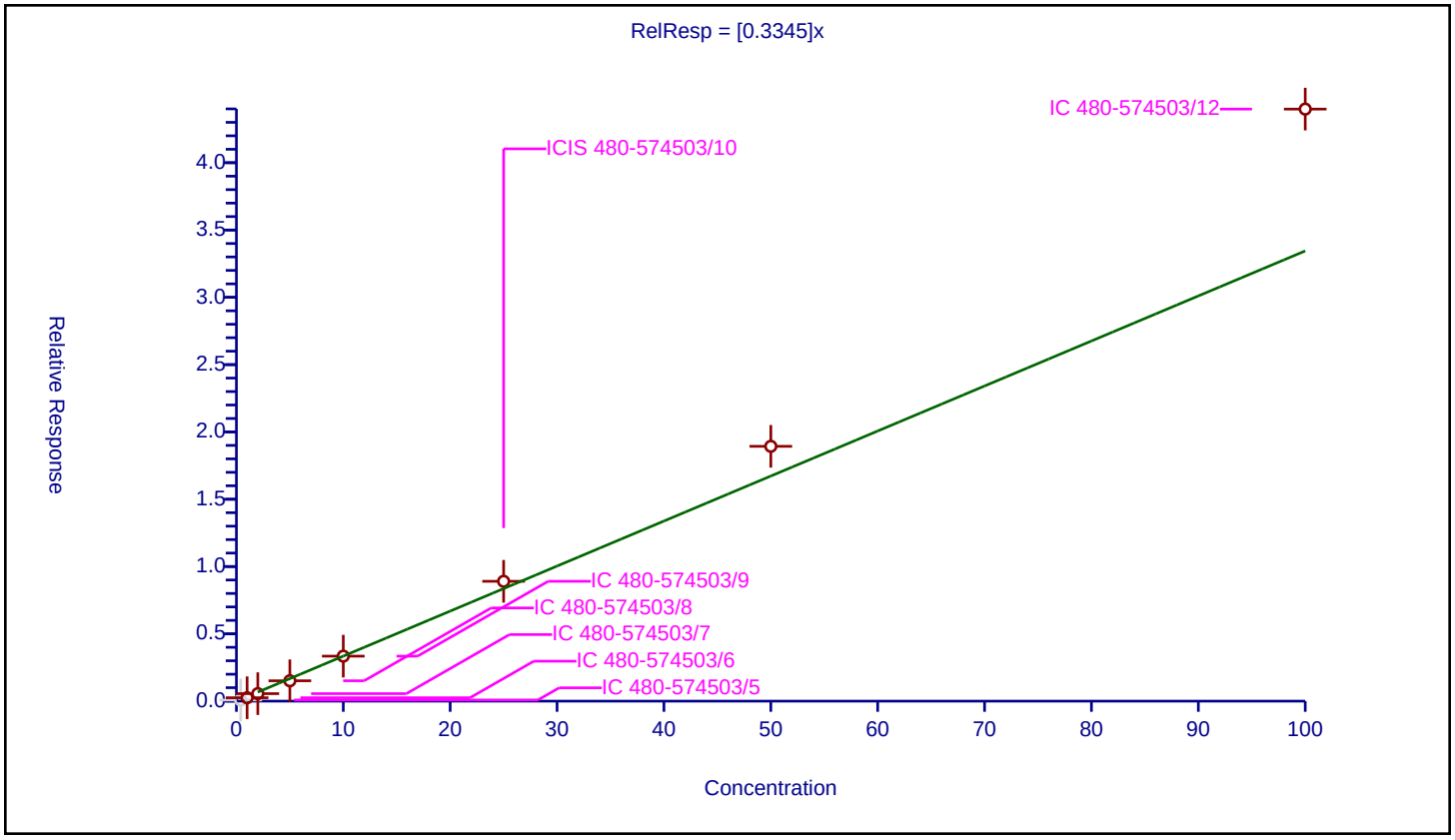
Curve Coefficients

Intercept:	0
Slope:	0.3345

Error Coefficients

Standard Error:	271000
Relative Standard Error:	19.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.084818	25.0	270579.0	0.212045	N
2	IC 480-574503/6	1.0	0.251941	25.0	314161.0	0.251941	Y
3	IC 480-574503/7	2.0	0.556502	25.0	310062.0	0.278251	Y
4	IC 480-574503/8	5.0	1.511798	25.0	341580.0	0.30236	Y
5	IC 480-574503/9	10.0	3.342179	25.0	323135.0	0.334218	Y
6	ICIS 480-574503/10	25.0	8.902393	25.0	285266.0	0.356096	Y
7	IC 480-574503/11	50.0	18.930651	25.0	357699.0	0.378613	Y
8	IC 480-574503/12	100.0	43.983204	25.0	339242.0	0.439832	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

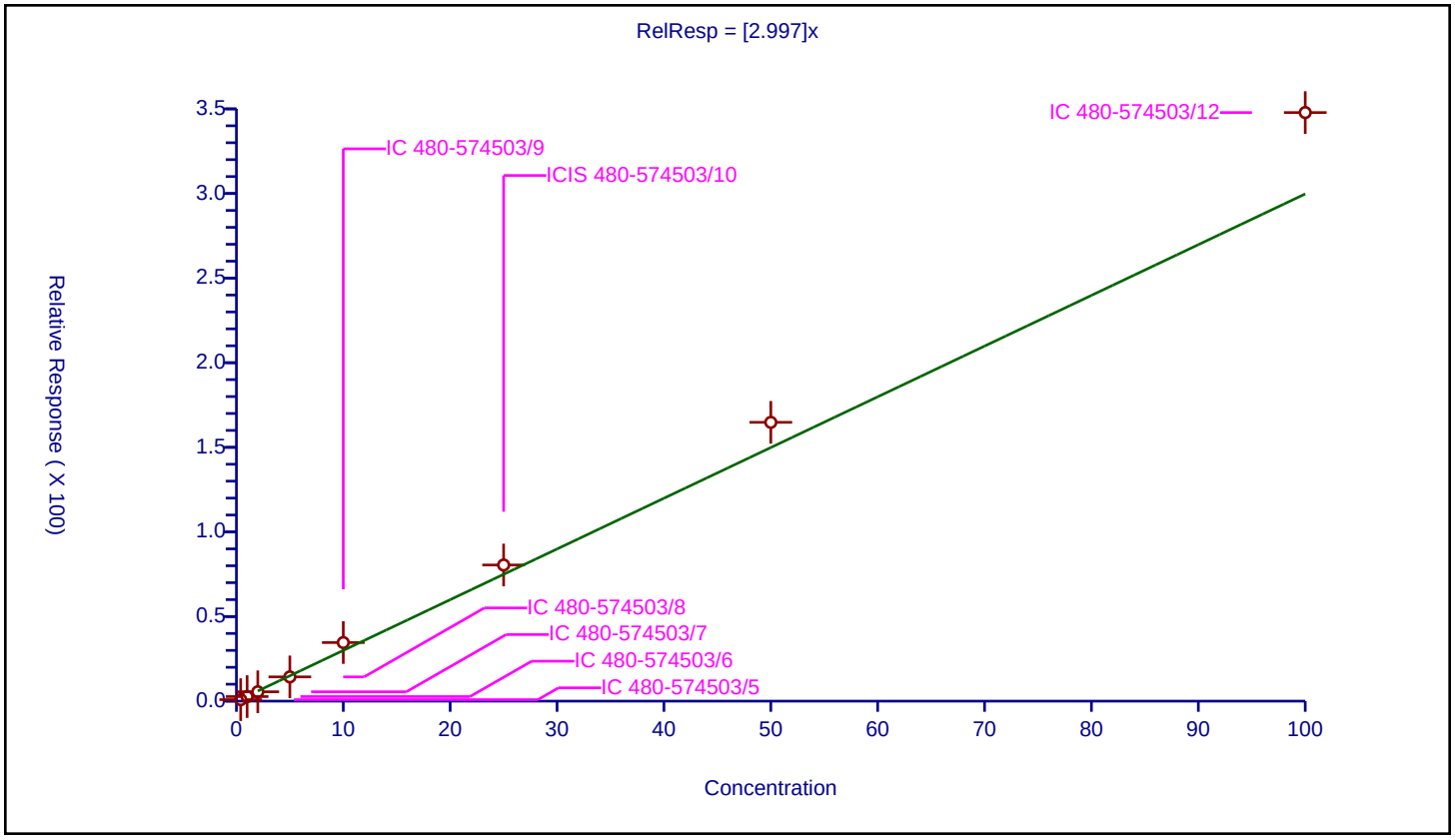
Curve Coefficients

Intercept:	0
Slope:	2.997

Error Coefficients

Standard Error:	1950000
Relative Standard Error:	14.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.875118	25.0	307387.0	2.187796	Y
2	IC 480-574503/6	1.0	2.701429	25.0	310743.0	2.701429	Y
3	IC 480-574503/7	2.0	5.538818	25.0	312666.0	2.769409	Y
4	IC 480-574503/8	5.0	14.332787	25.0	367971.0	2.866557	Y
5	IC 480-574503/9	10.0	34.616097	25.0	304830.0	3.46161	Y
6	ICIS 480-574503/10	25.0	80.460724	25.0	306040.0	3.218429	Y
7	IC 480-574503/11	50.0	164.765018	25.0	344026.0	3.2953	Y
8	IC 480-574503/12	100.0	347.831593	25.0	322956.0	3.478316	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

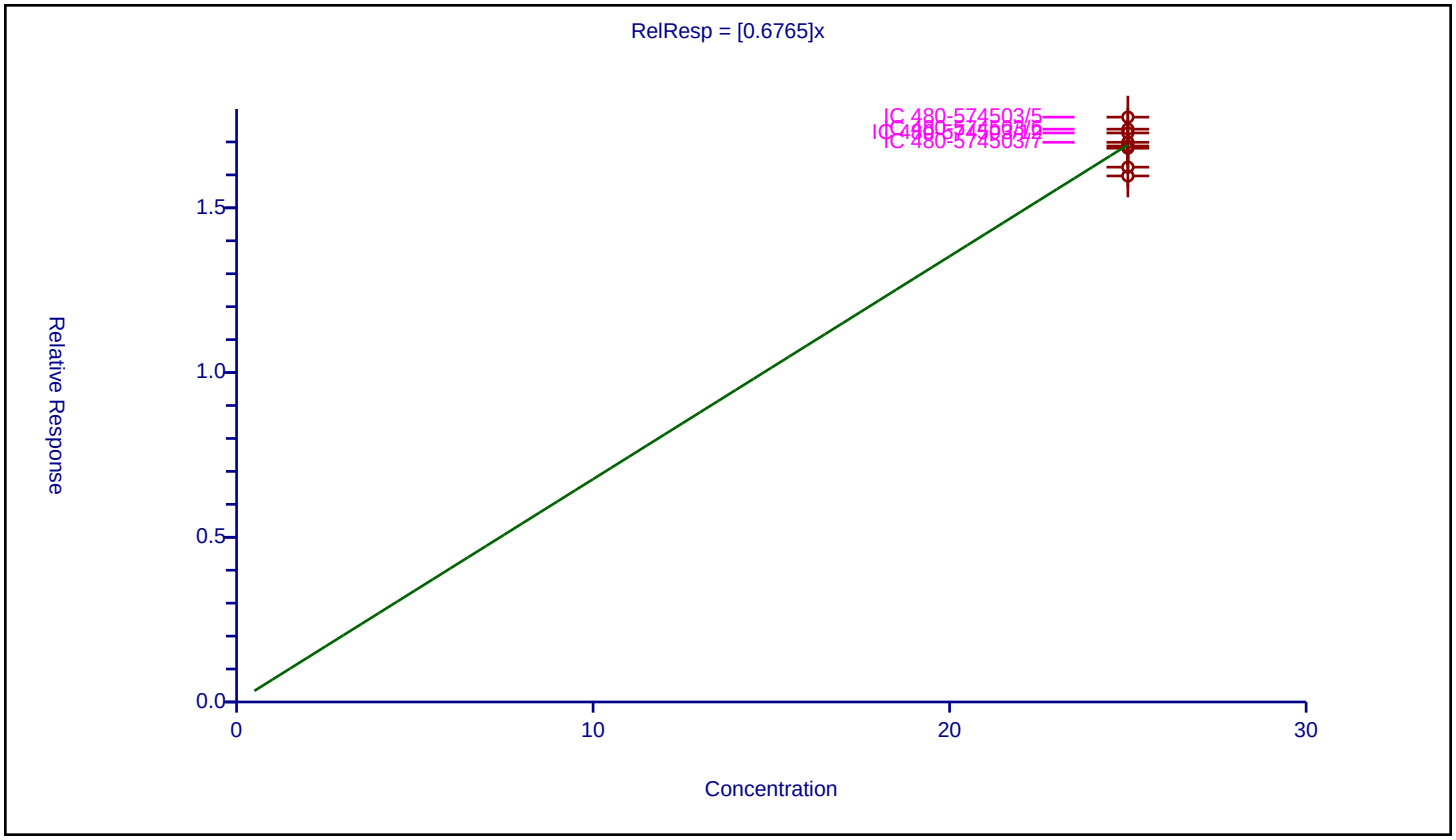
Curve Coefficients

Intercept:	0
Slope:	0.6765

Error Coefficients

Standard Error:	230000
Relative Standard Error:	3.5
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0.000000000000000111

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	25.0	17.754149	25.0	270579.0	0.710166	Y
2	IC 480-574503/6	25.0	17.389093	25.0	314161.0	0.695564	Y
3	IC 480-574503/7	25.0	16.989586	25.0	310062.0	0.679583	Y
4	IC 480-574503/8	25.0	15.968221	25.0	341580.0	0.638729	Y
5	IC 480-574503/9	25.0	16.877002	25.0	323135.0	0.67508	Y
6	ICIS 480-574503/10	25.0	16.809487	25.0	285266.0	0.672379	Y
7	IC 480-574503/11	25.0	16.235298	25.0	357699.0	0.649412	Y
8	IC 480-574503/12	25.0	17.273068	25.0	339242.0	0.690923	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

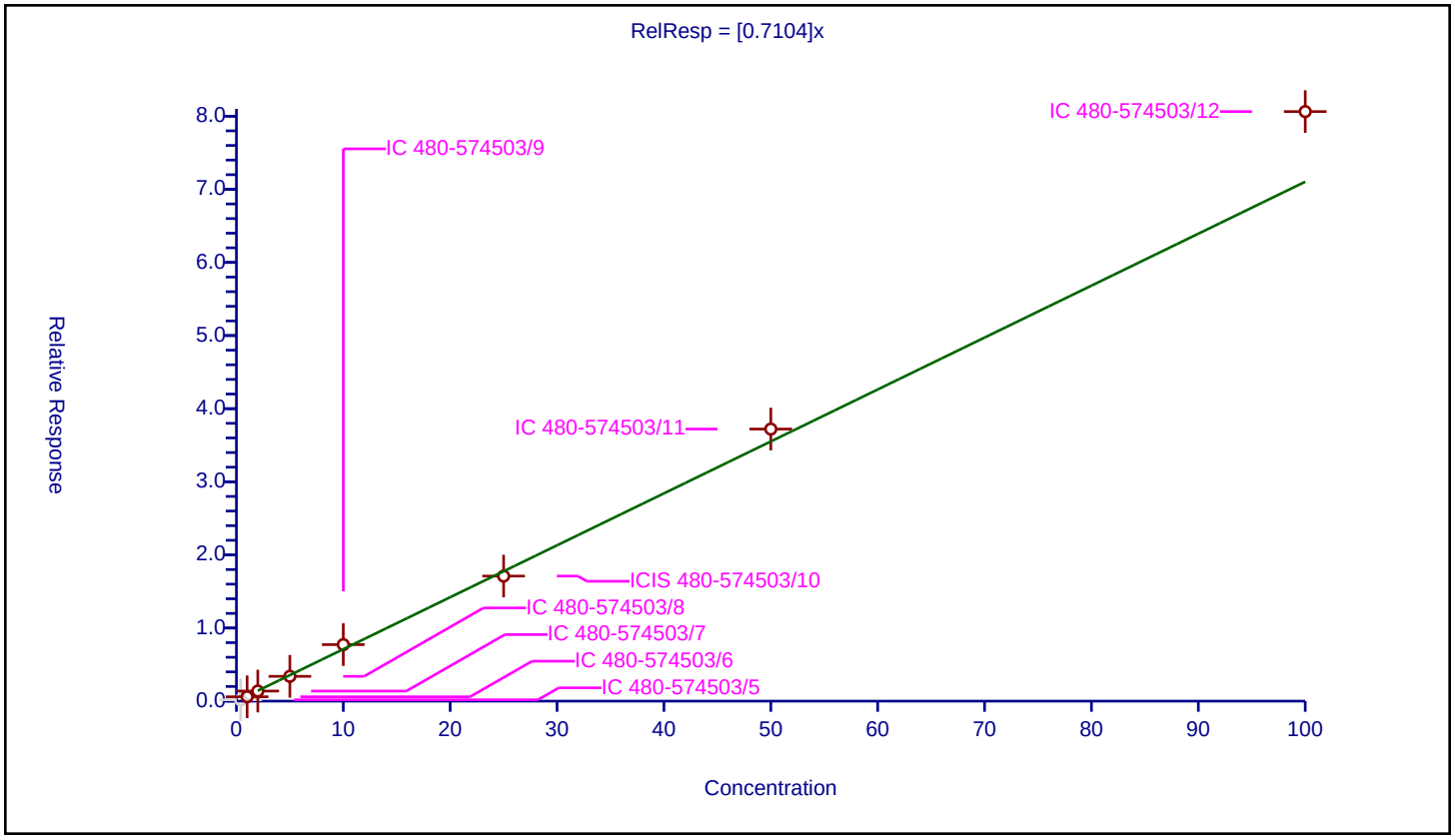
Curve Coefficients

Intercept:	0
Slope:	0.7104

Error Coefficients

Standard Error:	484000
Relative Standard Error:	9.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.181449	25.0	307387.0	0.453622	N
2	IC 480-574503/6	1.0	0.596152	25.0	310743.0	0.596152	Y
3	IC 480-574503/7	2.0	1.378868	25.0	312666.0	0.689434	Y
4	IC 480-574503/8	5.0	3.394085	25.0	367971.0	0.678817	Y
5	IC 480-574503/9	10.0	7.733245	25.0	304830.0	0.773324	Y
6	ICIS 480-574503/10	25.0	17.10381	25.0	306040.0	0.684152	Y
7	IC 480-574503/11	50.0	37.213103	25.0	344026.0	0.744262	Y
8	IC 480-574503/12	100.0	80.633275	25.0	322956.0	0.806333	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

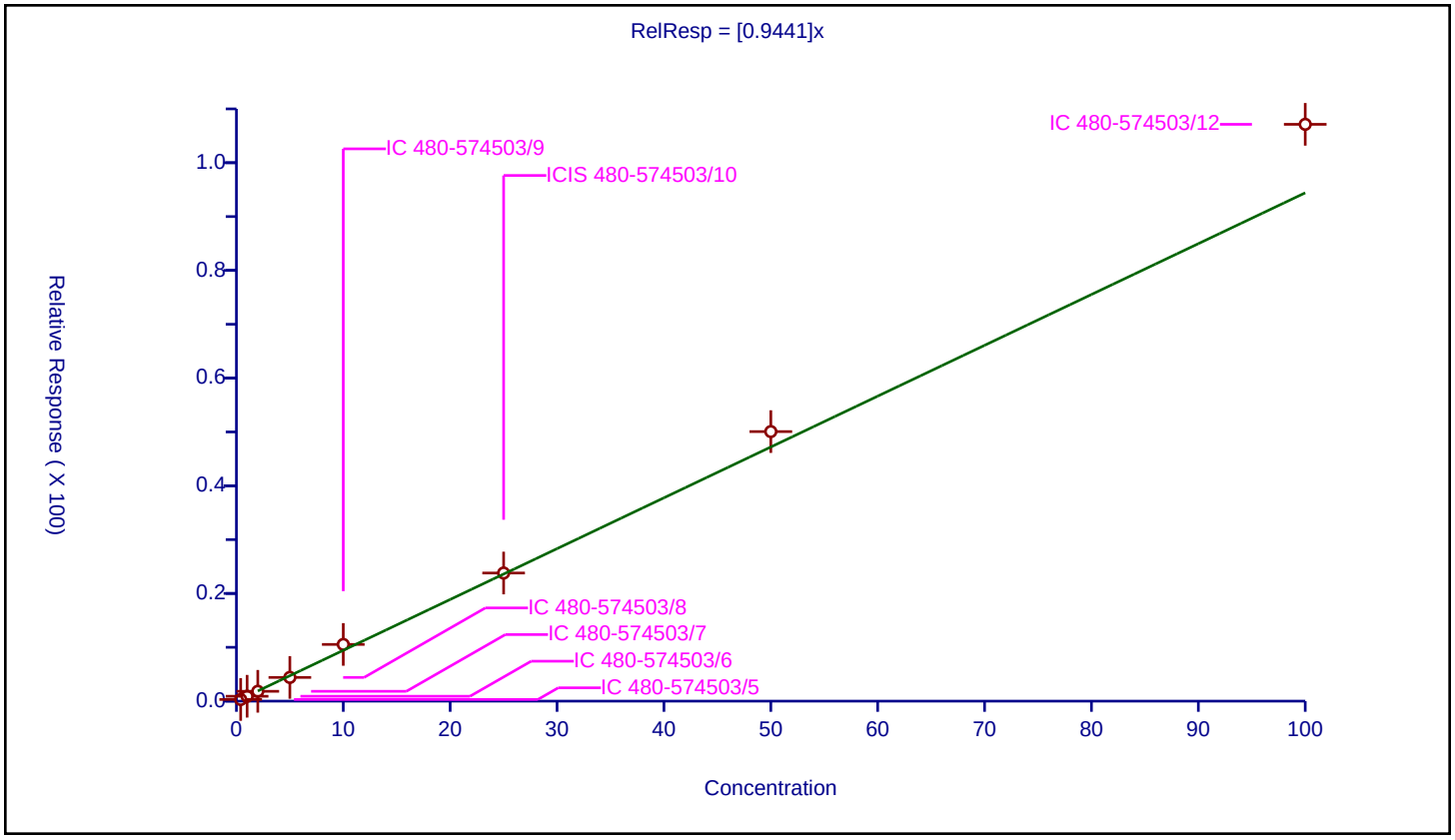
Curve Coefficients

Intercept:	0
Slope:	0.9441

Error Coefficients

Standard Error:	597000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.308894	25.0	307387.0	0.772235	Y
2	IC 480-574503/6	1.0	0.907744	25.0	310743.0	0.907744	Y
3	IC 480-574503/7	2.0	1.827429	25.0	312666.0	0.913715	Y
4	IC 480-574503/8	5.0	4.404627	25.0	367971.0	0.880925	Y
5	IC 480-574503/9	10.0	10.534396	25.0	304830.0	1.05344	Y
6	ICIS 480-574503/10	25.0	23.796726	25.0	306040.0	0.951869	Y
7	IC 480-574503/11	50.0	50.064821	25.0	344026.0	1.001296	Y
8	IC 480-574503/12	100.0	107.129145	25.0	322956.0	1.071291	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

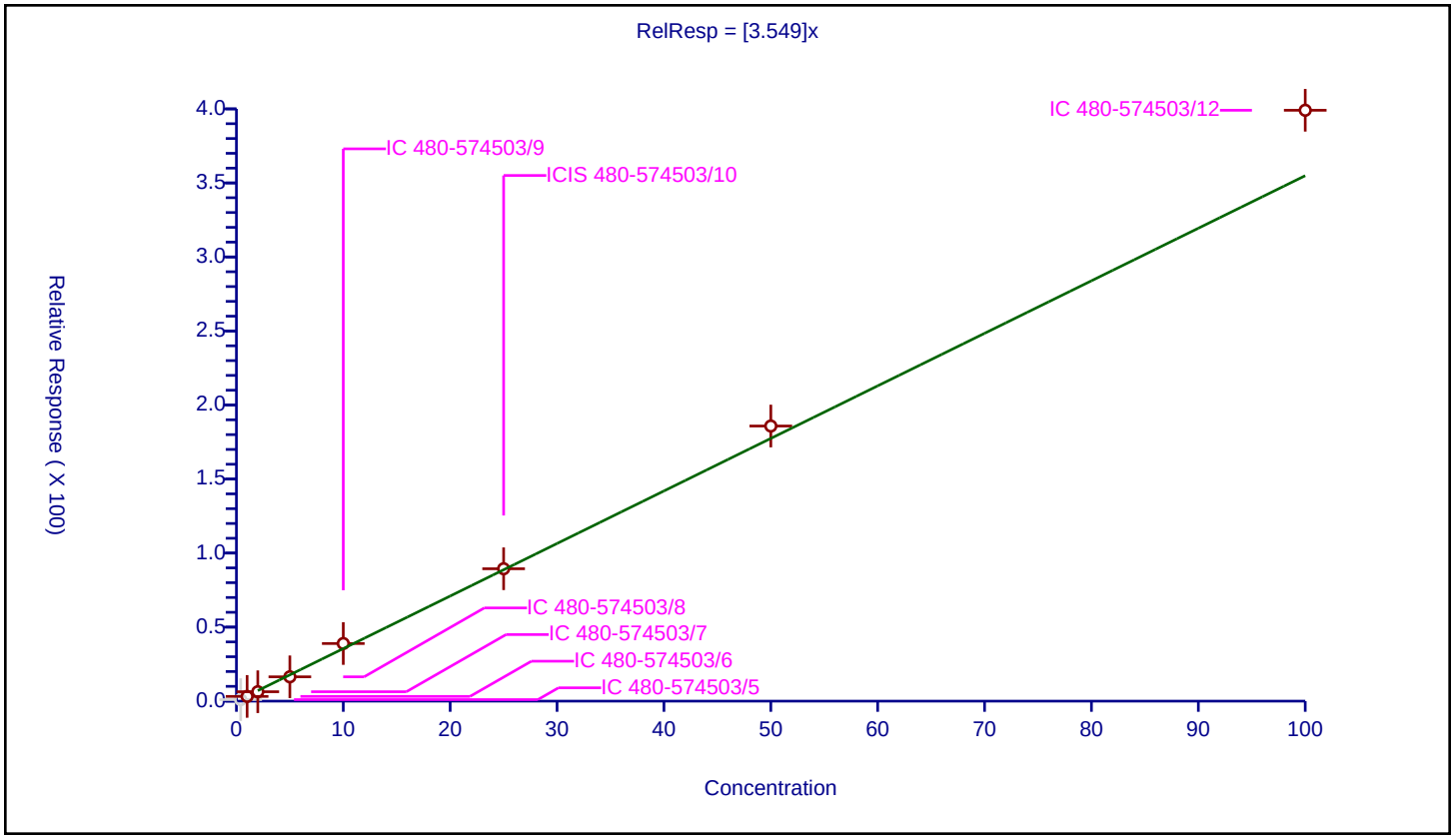
Curve Coefficients

Intercept:	0
Slope:	3.549

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	9.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	1.037048	25.0	307387.0	2.592619	N
2	IC 480-574503/6	1.0	3.19798	25.0	310743.0	3.19798	Y
3	IC 480-574503/7	2.0	6.366138	25.0	312666.0	3.183069	Y
4	IC 480-574503/8	5.0	16.426634	25.0	367971.0	3.285327	Y
5	IC 480-574503/9	10.0	38.924729	25.0	304830.0	3.892473	Y
6	ICIS 480-574503/10	25.0	89.408247	25.0	306040.0	3.57633	Y
7	IC 480-574503/11	50.0	185.805215	25.0	344026.0	3.716104	Y
8	IC 480-574503/12	100.0	399.070849	25.0	322956.0	3.990708	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

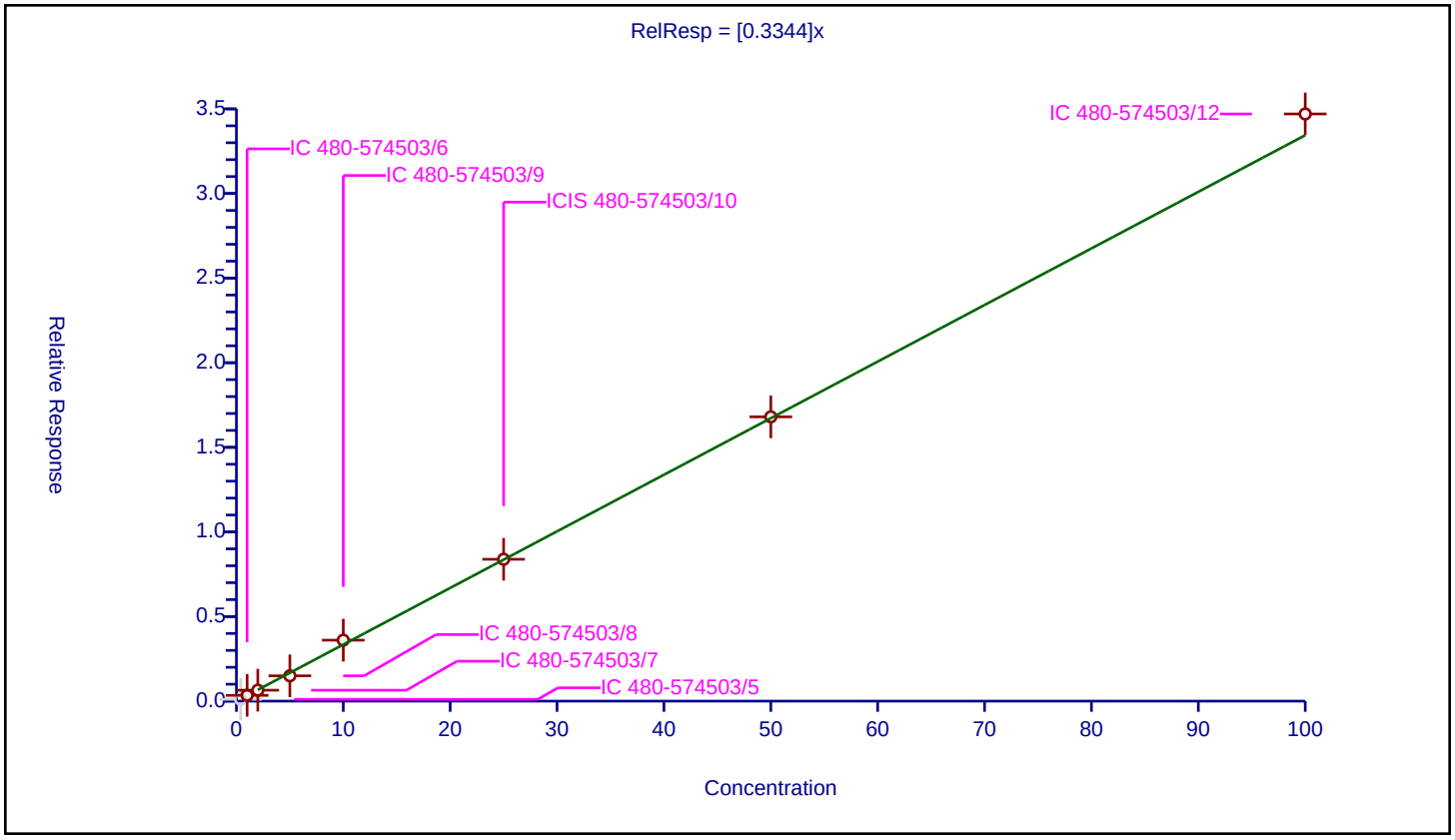
Curve Coefficients

Intercept:	0
Slope:	0.3344

Error Coefficients

Standard Error:	211000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.107926	25.0	307387.0	0.269815	N
2	IC 480-574503/6	1.0	0.340233	25.0	310743.0	0.340233	Y
3	IC 480-574503/7	2.0	0.645497	25.0	312666.0	0.322749	Y
4	IC 480-574503/8	5.0	1.496382	25.0	367971.0	0.299276	Y
5	IC 480-574503/9	10.0	3.603484	25.0	304830.0	0.360348	Y
6	ICIS 480-574503/10	25.0	8.384607	25.0	306040.0	0.335384	Y
7	IC 480-574503/11	50.0	16.80171	25.0	344026.0	0.336034	Y
8	IC 480-574503/12	100.0	34.700702	25.0	322956.0	0.347007	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

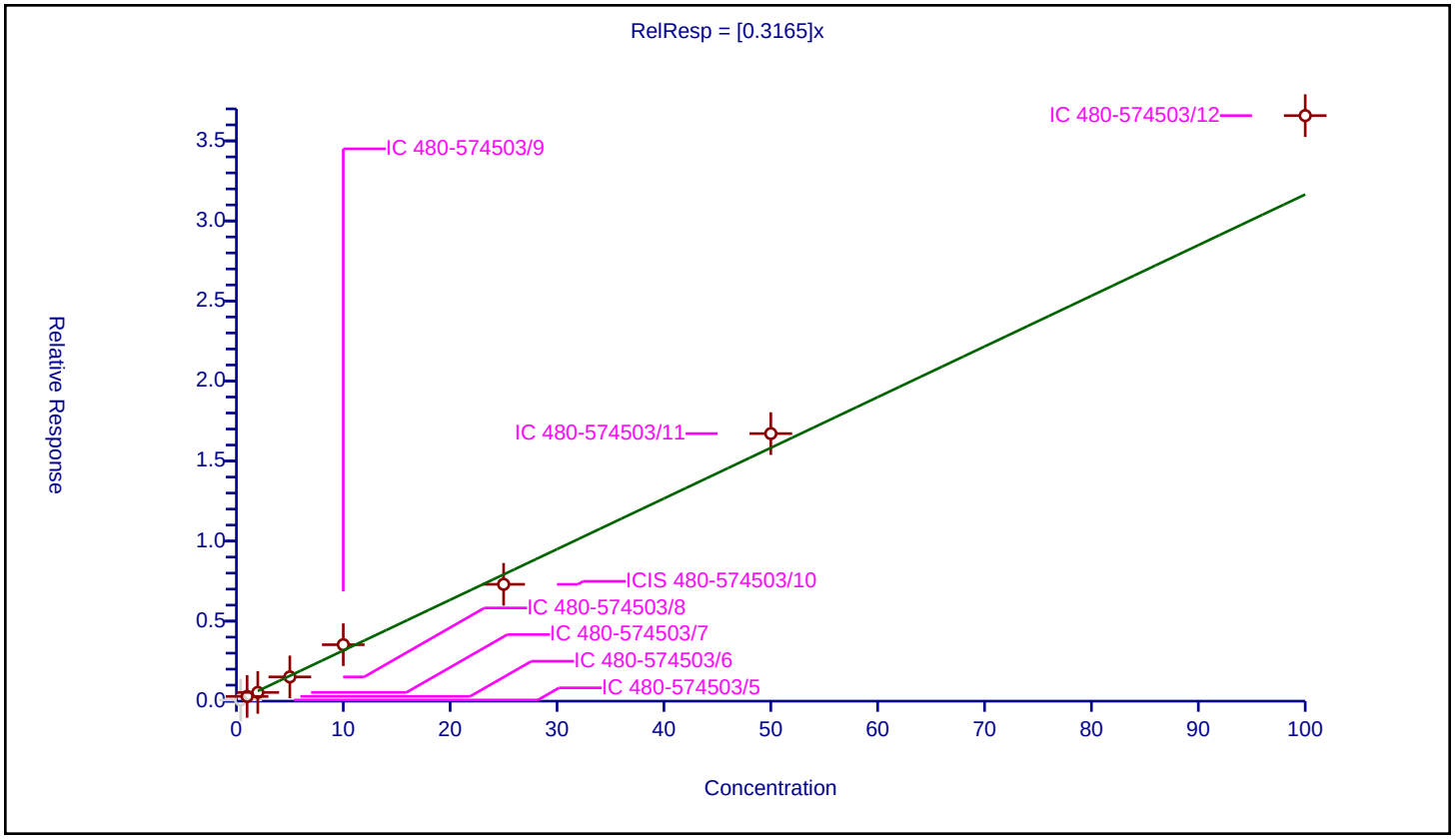
Curve Coefficients

Intercept:	0
Slope:	0.3165

Error Coefficients

Standard Error:	219000
Relative Standard Error:	10.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.07214	25.0	307387.0	0.180351	N
2	IC 480-574503/6	1.0	0.295019	25.0	310743.0	0.295019	Y
3	IC 480-574503/7	2.0	0.54571	25.0	312666.0	0.272855	Y
4	IC 480-574503/8	5.0	1.515744	25.0	367971.0	0.303149	Y
5	IC 480-574503/9	10.0	3.5259	25.0	304830.0	0.35259	Y
6	ICIS 480-574503/10	25.0	7.298229	25.0	306040.0	0.291929	Y
7	IC 480-574503/11	50.0	16.714362	25.0	344026.0	0.334287	Y
8	IC 480-574503/12	100.0	36.57859	25.0	322956.0	0.365786	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

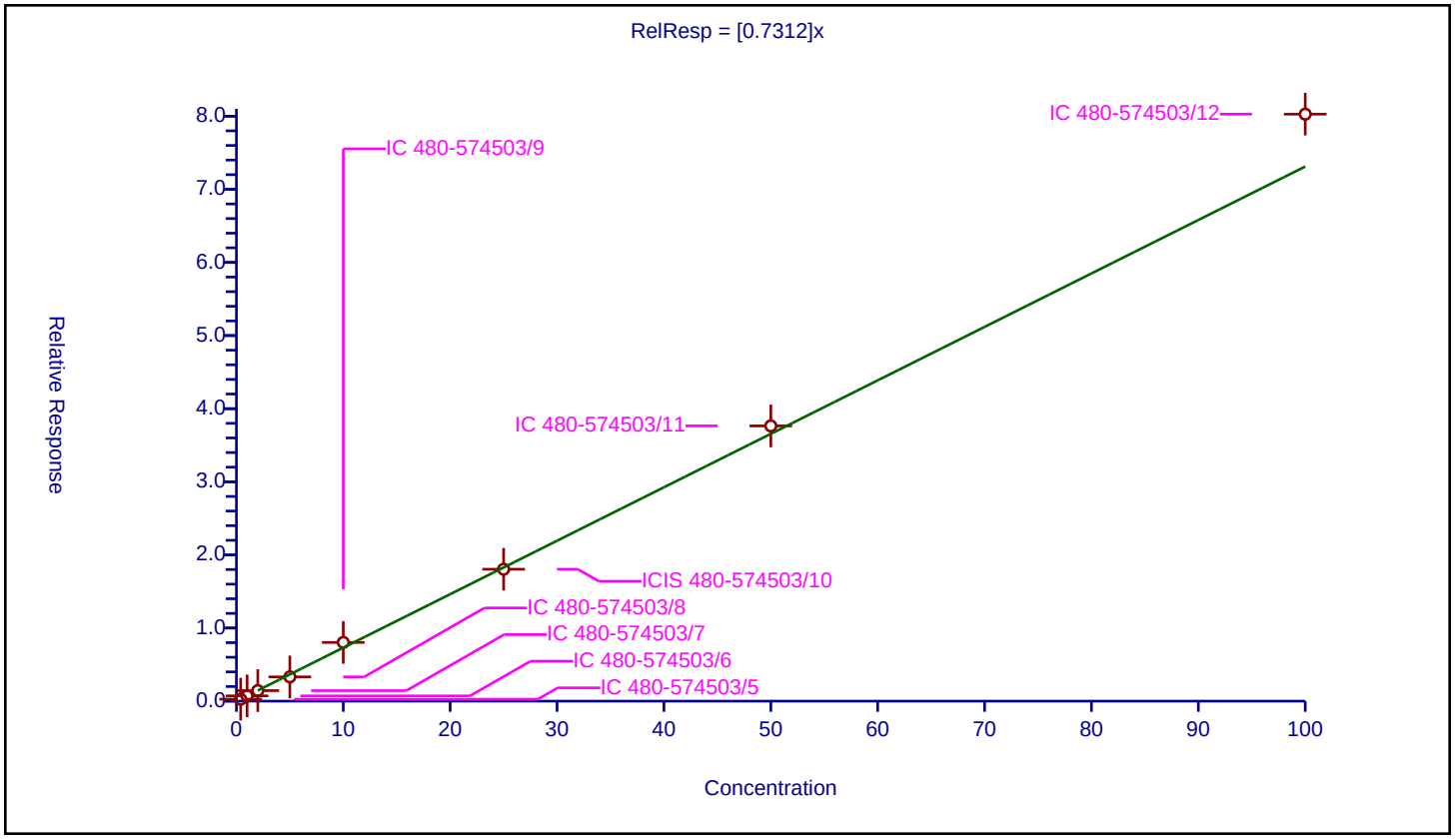
Curve Coefficients

Intercept:	0
Slope:	0.7312

Error Coefficients

Standard Error:	448000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.266439	25.0	307387.0	0.666098	Y
2	IC 480-574503/6	1.0	0.719968	25.0	310743.0	0.719968	Y
3	IC 480-574503/7	2.0	1.440115	25.0	312666.0	0.720058	Y
4	IC 480-574503/8	5.0	3.314935	25.0	367971.0	0.662987	Y
5	IC 480-574503/9	10.0	8.028901	25.0	304830.0	0.80289	Y
6	ICIS 480-574503/10	25.0	18.040861	25.0	306040.0	0.721634	Y
7	IC 480-574503/11	50.0	37.640469	25.0	344026.0	0.752809	Y
8	IC 480-574503/12	100.0	80.278118	25.0	322956.0	0.802781	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

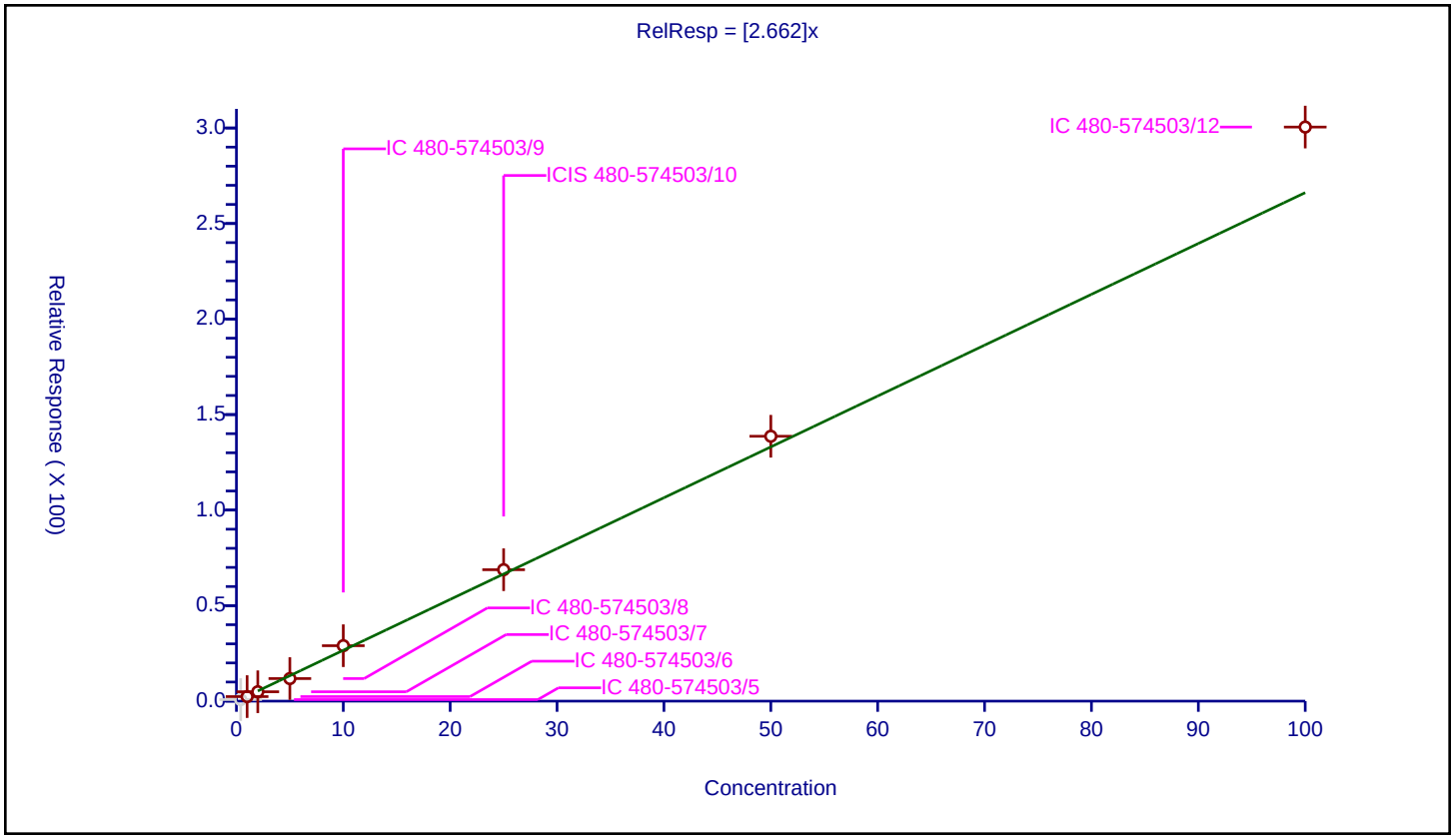
Curve Coefficients

Intercept:	0
Slope:	2.662

Error Coefficients

Standard Error:	1810000
Relative Standard Error:	9.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.81168	25.0	307387.0	2.029201	N
2	IC 480-574503/6	1.0	2.377206	25.0	310743.0	2.377206	Y
3	IC 480-574503/7	2.0	4.916428	25.0	312666.0	2.458214	Y
4	IC 480-574503/8	5.0	11.820836	25.0	367971.0	2.364167	Y
5	IC 480-574503/9	10.0	29.013549	25.0	304830.0	2.901355	Y
6	ICIS 480-574503/10	25.0	68.798196	25.0	306040.0	2.751928	Y
7	IC 480-574503/11	50.0	138.651948	25.0	344026.0	2.773039	Y
8	IC 480-574503/12	100.0	300.494262	25.0	322956.0	3.004943	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

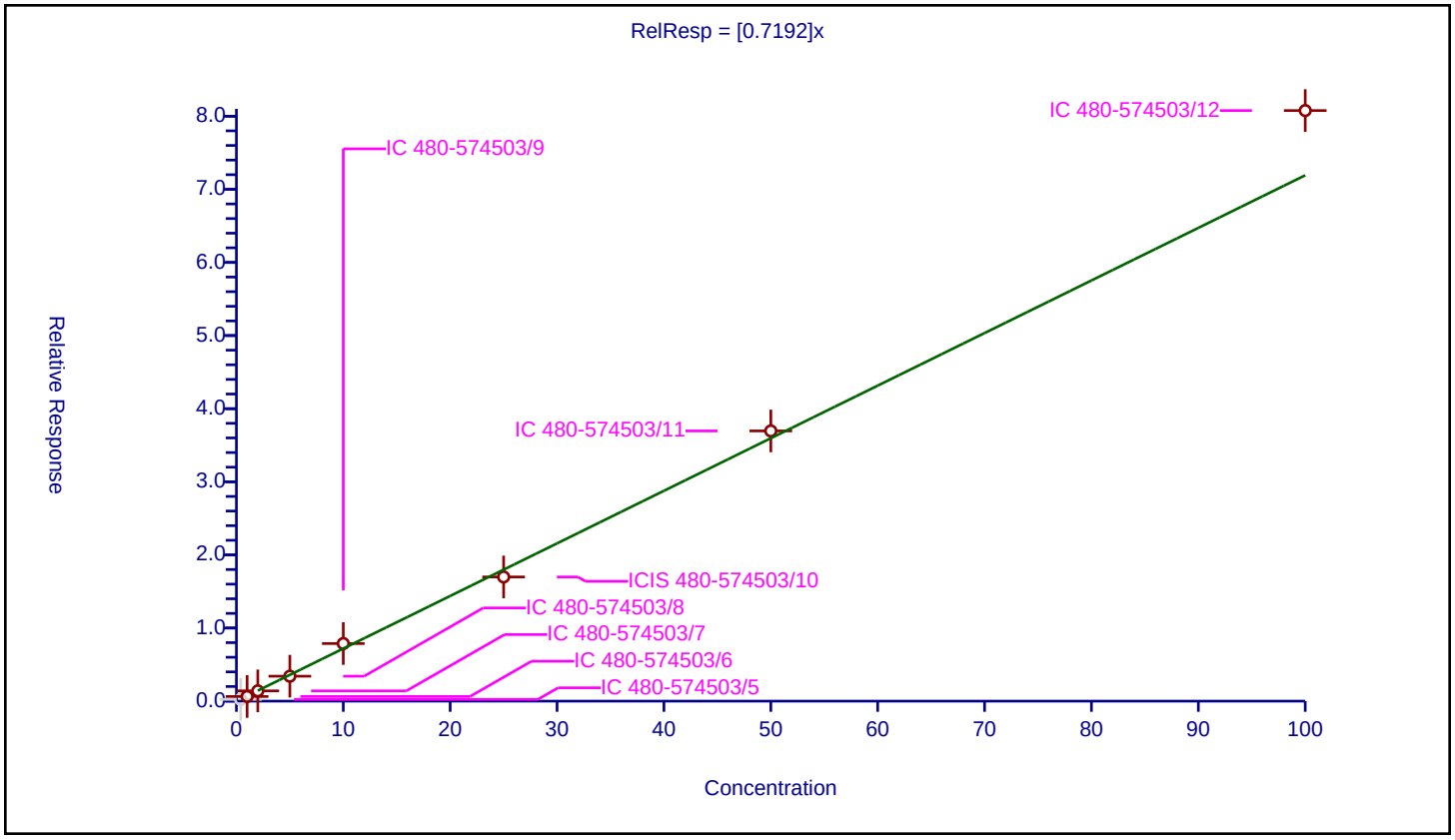
Curve Coefficients

Intercept:	0
Slope:	0.7192

Error Coefficients

Standard Error:	483000
Relative Standard Error:	8.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.236998	25.0	307387.0	0.592494	N
2	IC 480-574503/6	1.0	0.635171	25.0	310743.0	0.635171	Y
3	IC 480-574503/7	2.0	1.405413	25.0	312666.0	0.702707	Y
4	IC 480-574503/8	5.0	3.411342	25.0	367971.0	0.682268	Y
5	IC 480-574503/9	10.0	7.877916	25.0	304830.0	0.787792	Y
6	ICIS 480-574503/10	25.0	16.985525	25.0	306040.0	0.679421	Y
7	IC 480-574503/11	50.0	36.955928	25.0	344026.0	0.739119	Y
8	IC 480-574503/12	100.0	80.770833	25.0	322956.0	0.807708	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

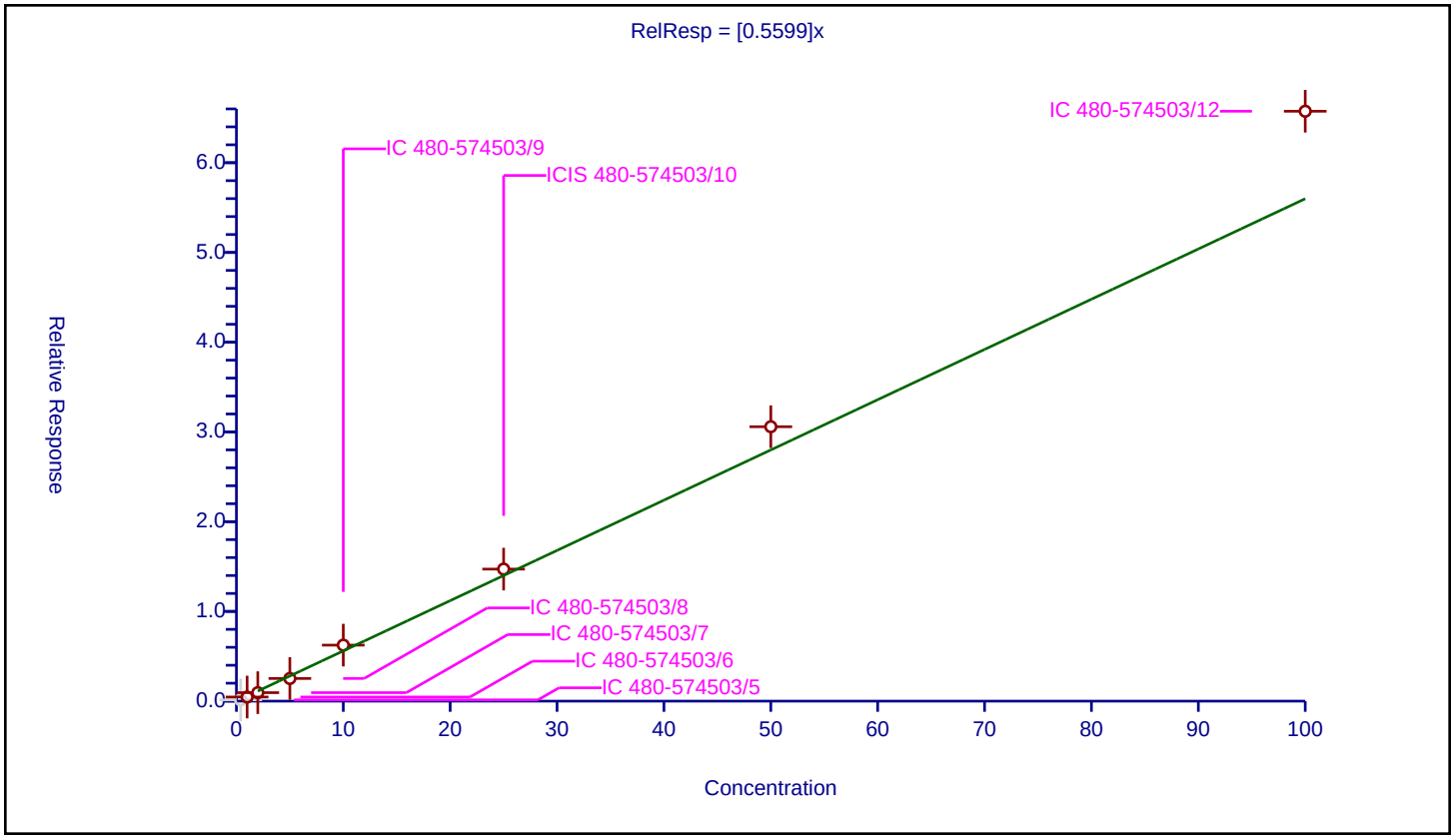
Curve Coefficients

Intercept:	0
Slope:	0.5599

Error Coefficients

Standard Error:	395000
Relative Standard Error:	14.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.136798	25.0	307387.0	0.341996	N
2	IC 480-574503/6	1.0	0.459866	25.0	310743.0	0.459866	Y
3	IC 480-574503/7	2.0	0.945098	25.0	312666.0	0.472549	Y
4	IC 480-574503/8	5.0	2.524723	25.0	367971.0	0.504945	Y
5	IC 480-574503/9	10.0	6.241594	25.0	304830.0	0.624159	Y
6	ICIS 480-574503/10	25.0	14.714661	25.0	306040.0	0.588586	Y
7	IC 480-574503/11	50.0	30.580828	25.0	344026.0	0.611617	Y
8	IC 480-574503/12	100.0	65.740225	25.0	322956.0	0.657402	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

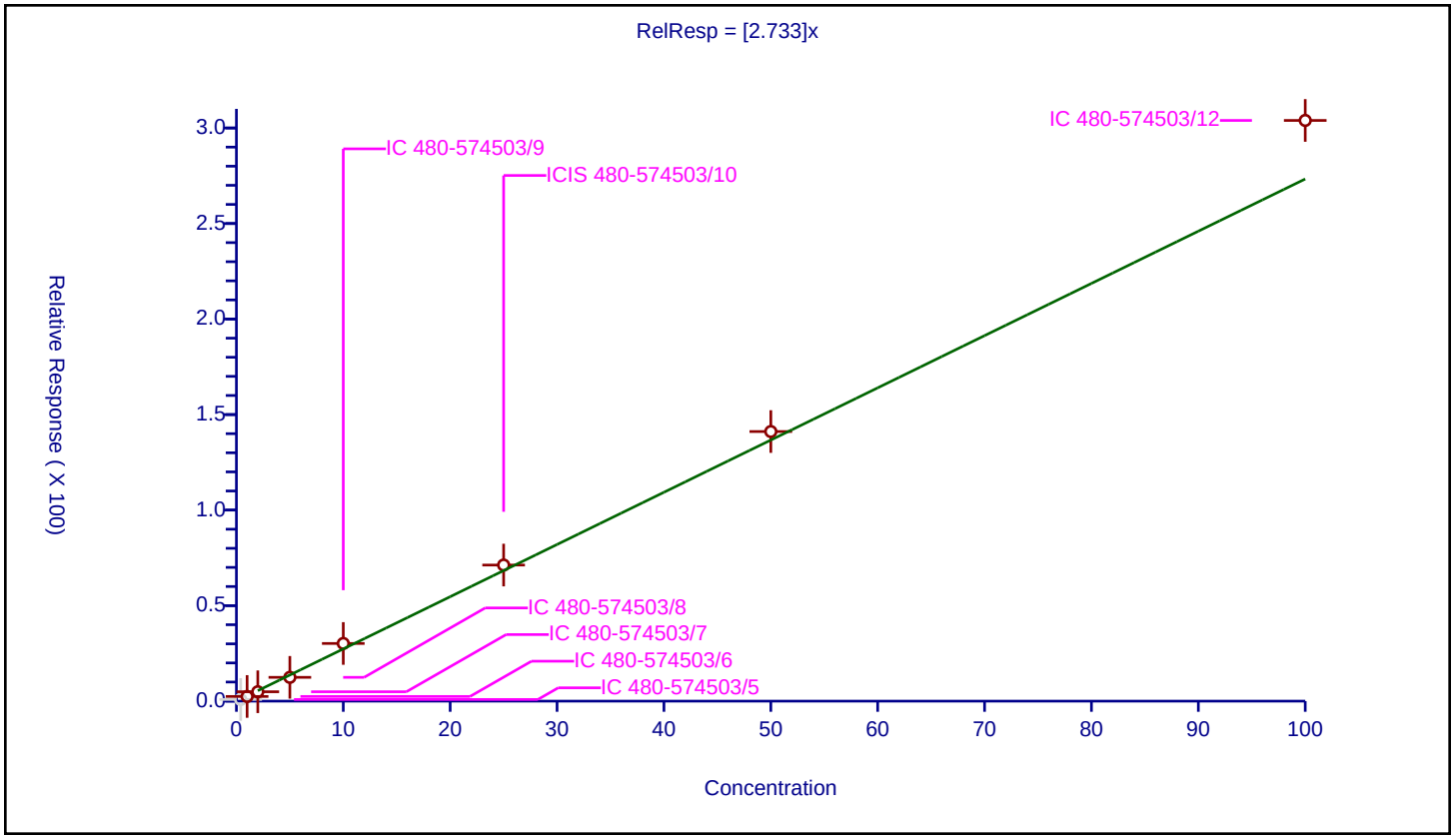
Curve Coefficients

Intercept:	0
Slope:	2.733

Error Coefficients

Standard Error:	1830000
Relative Standard Error:	9.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.874386	25.0	307387.0	2.185966	N
2	IC 480-574503/6	1.0	2.452831	25.0	310743.0	2.452831	Y
3	IC 480-574503/7	2.0	4.916748	25.0	312666.0	2.458374	Y
4	IC 480-574503/8	5.0	12.454514	25.0	367971.0	2.490903	Y
5	IC 480-574503/9	10.0	30.184775	25.0	304830.0	3.018478	Y
6	ICIS 480-574503/10	25.0	71.234724	25.0	306040.0	2.849389	Y
7	IC 480-574503/11	50.0	141.113244	25.0	344026.0	2.822265	Y
8	IC 480-574503/12	100.0	303.942875	25.0	322956.0	3.039429	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

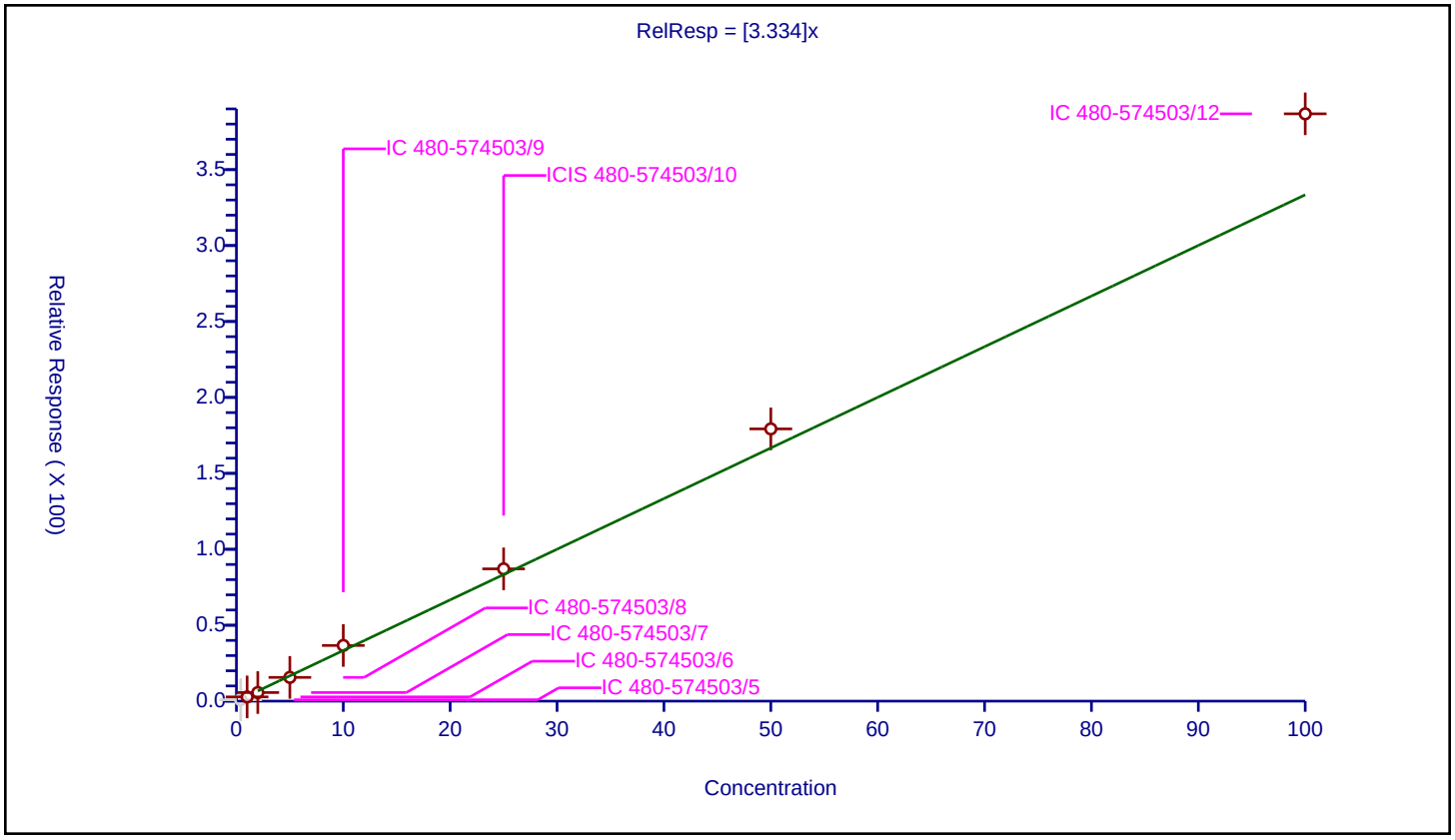
Curve Coefficients

Intercept:	0
Slope:	3.334

Error Coefficients

Standard Error:	2330000
Relative Standard Error:	12.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.906349	25.0	307387.0	2.265873	N
2	IC 480-574503/6	1.0	2.778663	25.0	310743.0	2.778663	Y
3	IC 480-574503/7	2.0	5.663791	25.0	312666.0	2.831896	Y
4	IC 480-574503/8	5.0	15.631327	25.0	367971.0	3.126265	Y
5	IC 480-574503/9	10.0	36.657973	25.0	304830.0	3.665797	Y
6	ICIS 480-574503/10	25.0	87.10577	25.0	306040.0	3.484231	Y
7	IC 480-574503/11	50.0	179.273078	25.0	344026.0	3.585462	Y
8	IC 480-574503/12	100.0	386.751136	25.0	322956.0	3.867511	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

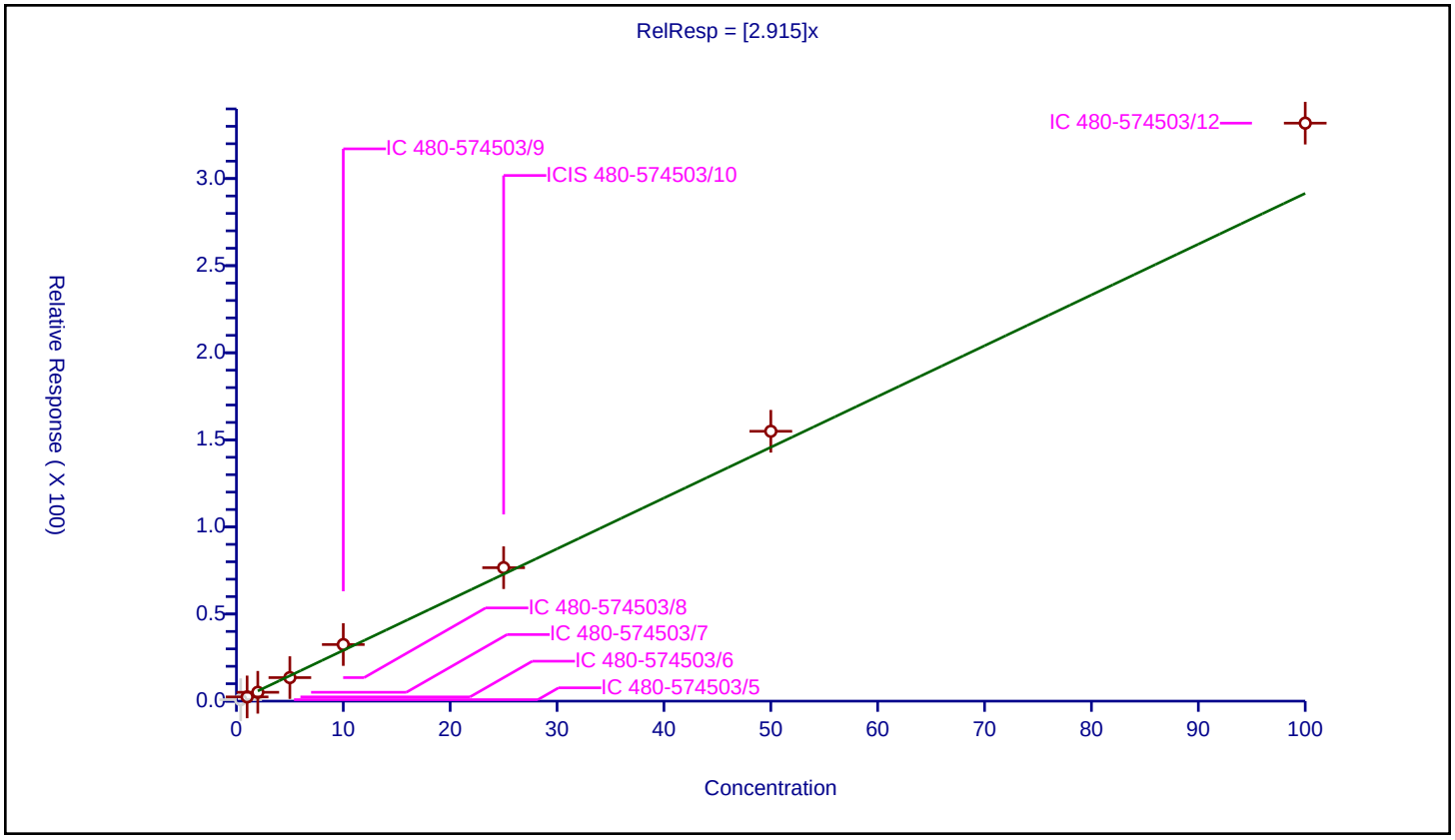
Curve Coefficients

Intercept:	0
Slope:	2.915

Error Coefficients

Standard Error:	2000000
Relative Standard Error:	12.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.842261	25.0	307387.0	2.105652	N
2	IC 480-574503/6	1.0	2.426442	25.0	310743.0	2.426442	Y
3	IC 480-574503/7	2.0	5.091056	25.0	312666.0	2.545528	Y
4	IC 480-574503/8	5.0	13.509692	25.0	367971.0	2.701938	Y
5	IC 480-574503/9	10.0	32.495161	25.0	304830.0	3.249516	Y
6	ICIS 480-574503/10	25.0	76.605264	25.0	306040.0	3.064211	Y
7	IC 480-574503/11	50.0	154.93422	25.0	344026.0	3.098684	Y
8	IC 480-574503/12	100.0	331.820047	25.0	322956.0	3.3182	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

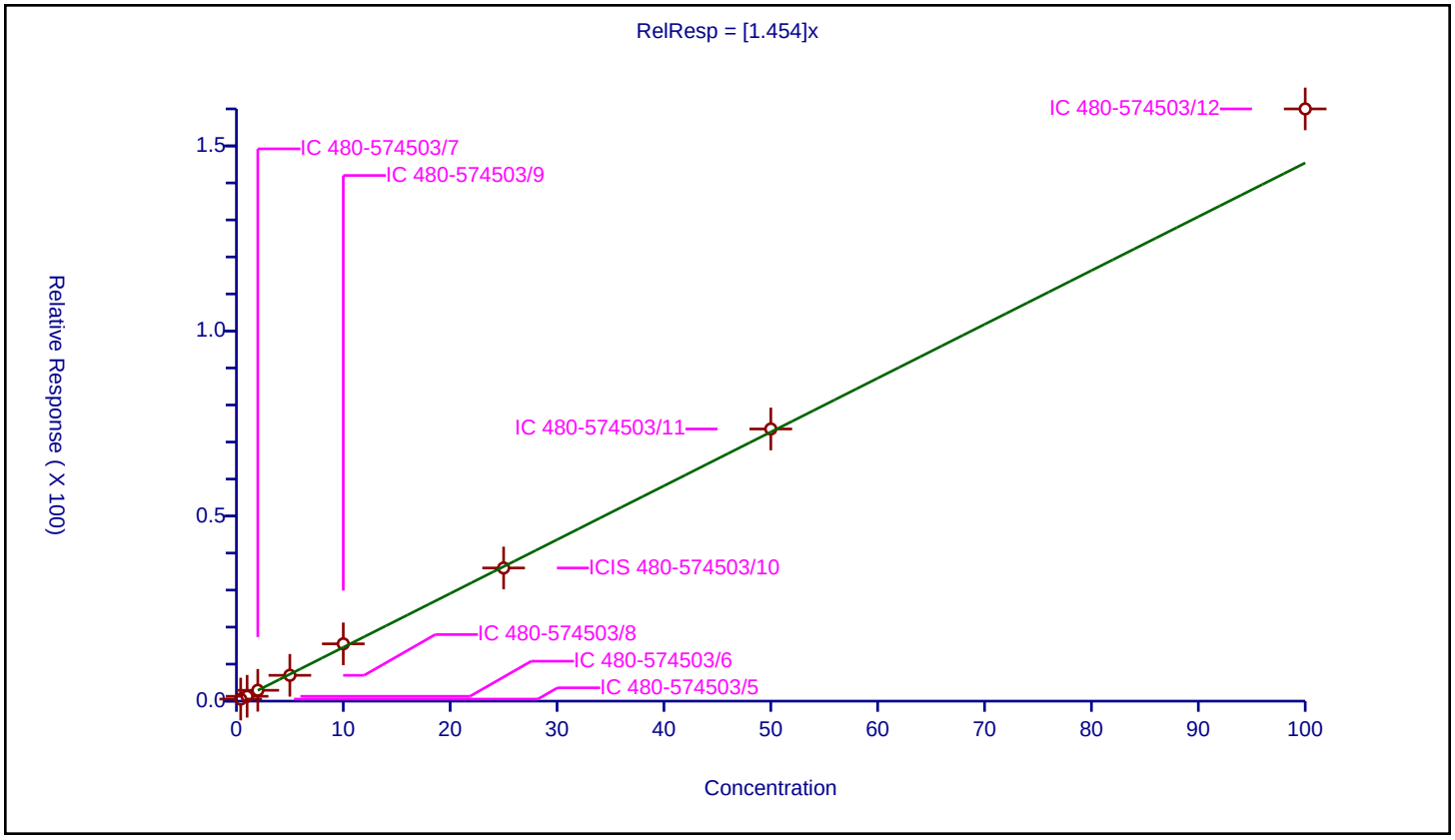
Curve Coefficients

Intercept:	0
Slope:	1.454

Error Coefficients

Standard Error:	889000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.561101	25.0	307387.0	1.402751	Y
2	IC 480-574503/6	1.0	1.31081	25.0	310743.0	1.31081	Y
3	IC 480-574503/7	2.0	2.932042	25.0	312666.0	1.466021	Y
4	IC 480-574503/8	5.0	6.978675	25.0	367971.0	1.395735	Y
5	IC 480-574503/9	10.0	15.48322	25.0	304830.0	1.548322	Y
6	ICIS 480-574503/10	25.0	35.973729	25.0	306040.0	1.438949	Y
7	IC 480-574503/11	50.0	73.523876	25.0	344026.0	1.470478	Y
8	IC 480-574503/12	100.0	159.990989	25.0	322956.0	1.59991	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

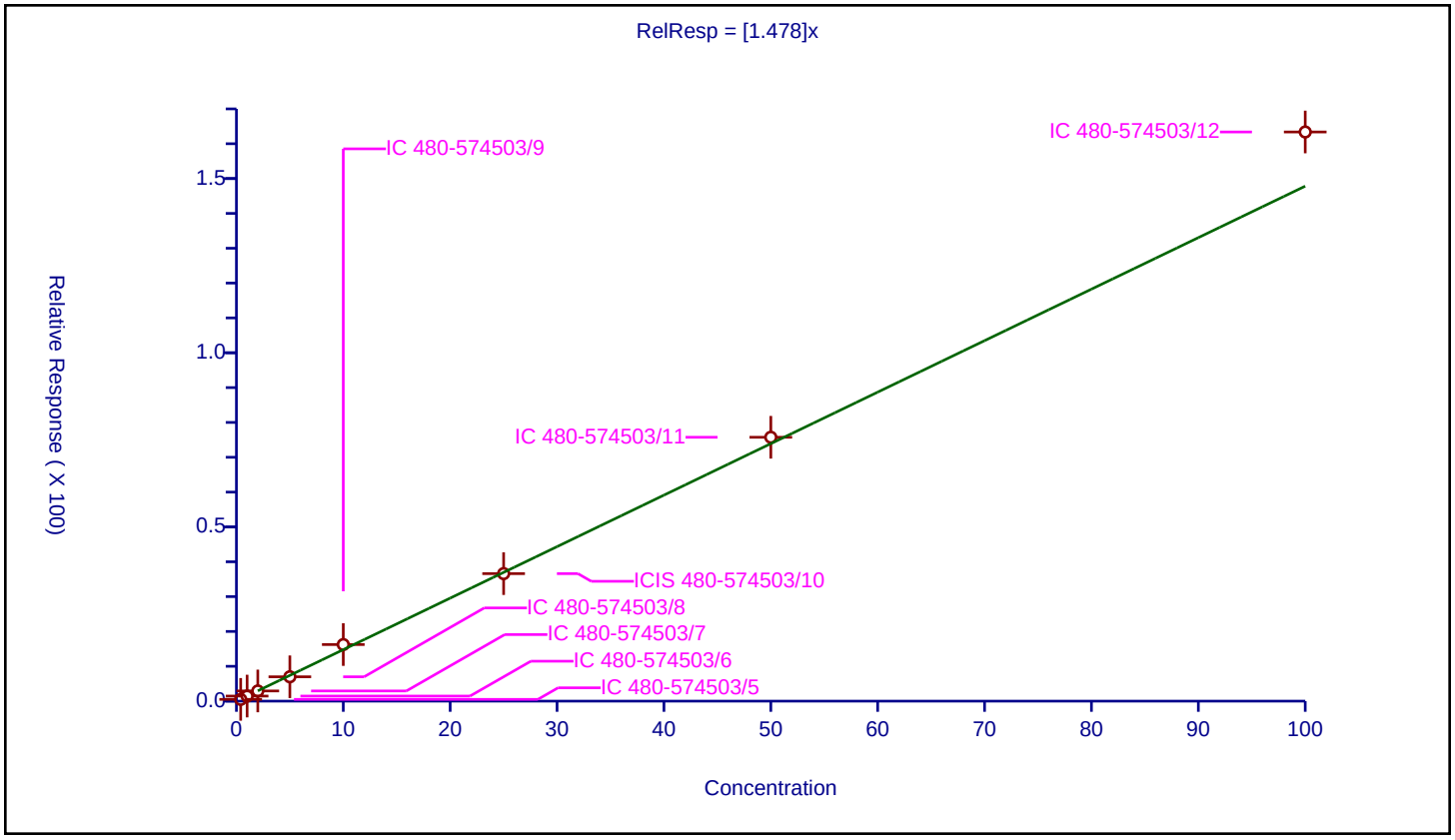
Curve Coefficients

Intercept:	0
Slope:	1.478

Error Coefficients

Standard Error:	910000
Relative Standard Error:	8.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.50848	25.0	307387.0	1.271199	Y
2	IC 480-574503/6	1.0	1.458359	25.0	310743.0	1.458359	Y
3	IC 480-574503/7	2.0	2.923567	25.0	312666.0	1.461784	Y
4	IC 480-574503/8	5.0	6.990225	25.0	367971.0	1.398045	Y
5	IC 480-574503/9	10.0	16.239297	25.0	304830.0	1.62393	Y
6	ICIS 480-574503/10	25.0	36.597749	25.0	306040.0	1.46391	Y
7	IC 480-574503/11	50.0	75.741877	25.0	344026.0	1.514838	Y
8	IC 480-574503/12	100.0	163.369855	25.0	322956.0	1.633699	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

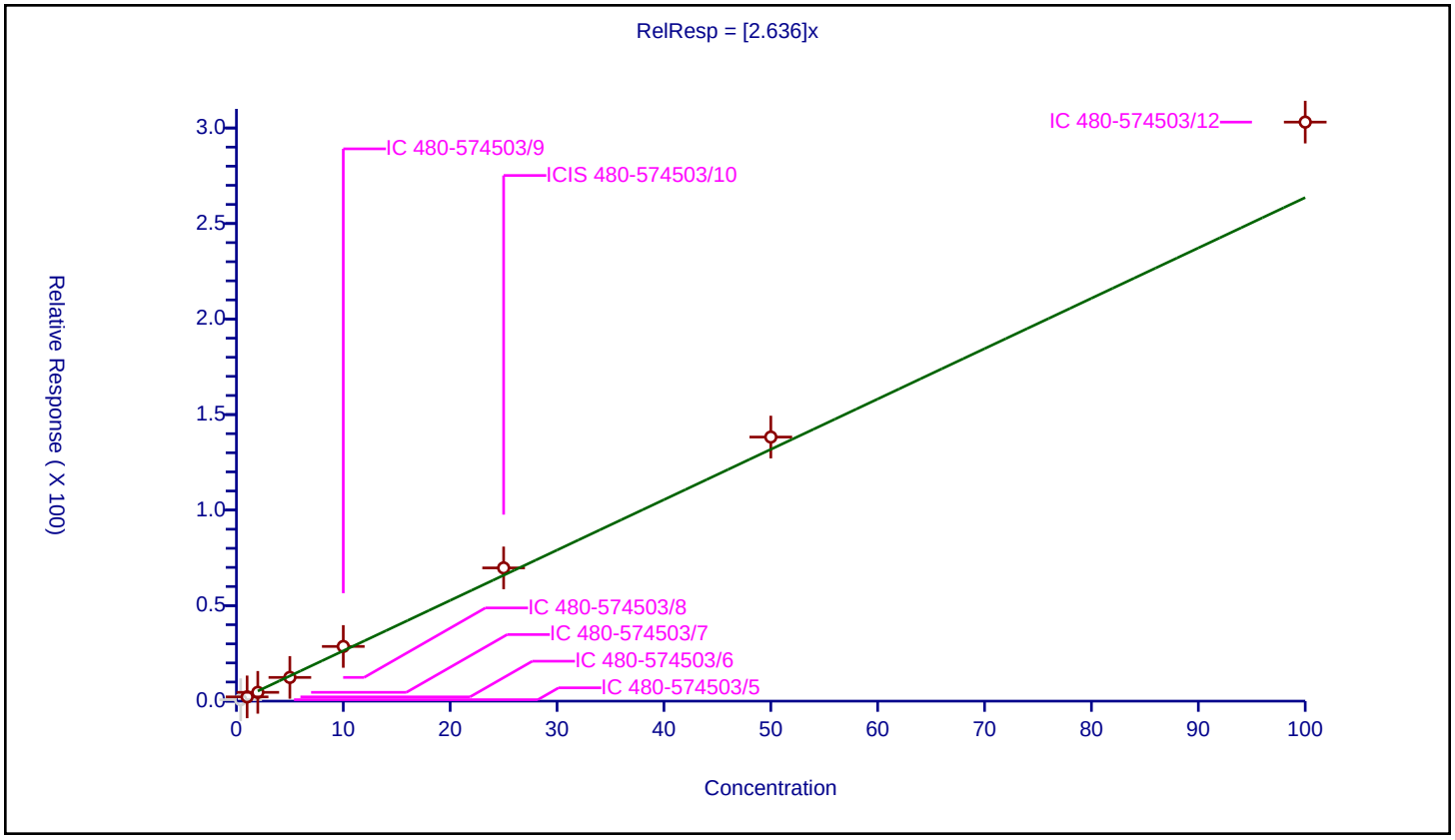
Curve Coefficients

Intercept:	0
Slope:	2.636

Error Coefficients

Standard Error:	1820000
Relative Standard Error:	11.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.756945	25.0	307387.0	1.892362	N
2	IC 480-574503/6	1.0	2.219519	25.0	310743.0	2.219519	Y
3	IC 480-574503/7	2.0	4.600436	25.0	312666.0	2.300218	Y
4	IC 480-574503/8	5.0	12.409606	25.0	367971.0	2.481921	Y
5	IC 480-574503/9	10.0	28.633009	25.0	304830.0	2.863301	Y
6	ICIS 480-574503/10	25.0	69.74023	25.0	306040.0	2.789609	Y
7	IC 480-574503/11	50.0	138.234029	25.0	344026.0	2.764681	Y
8	IC 480-574503/12	100.0	303.086876	25.0	322956.0	3.030869	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

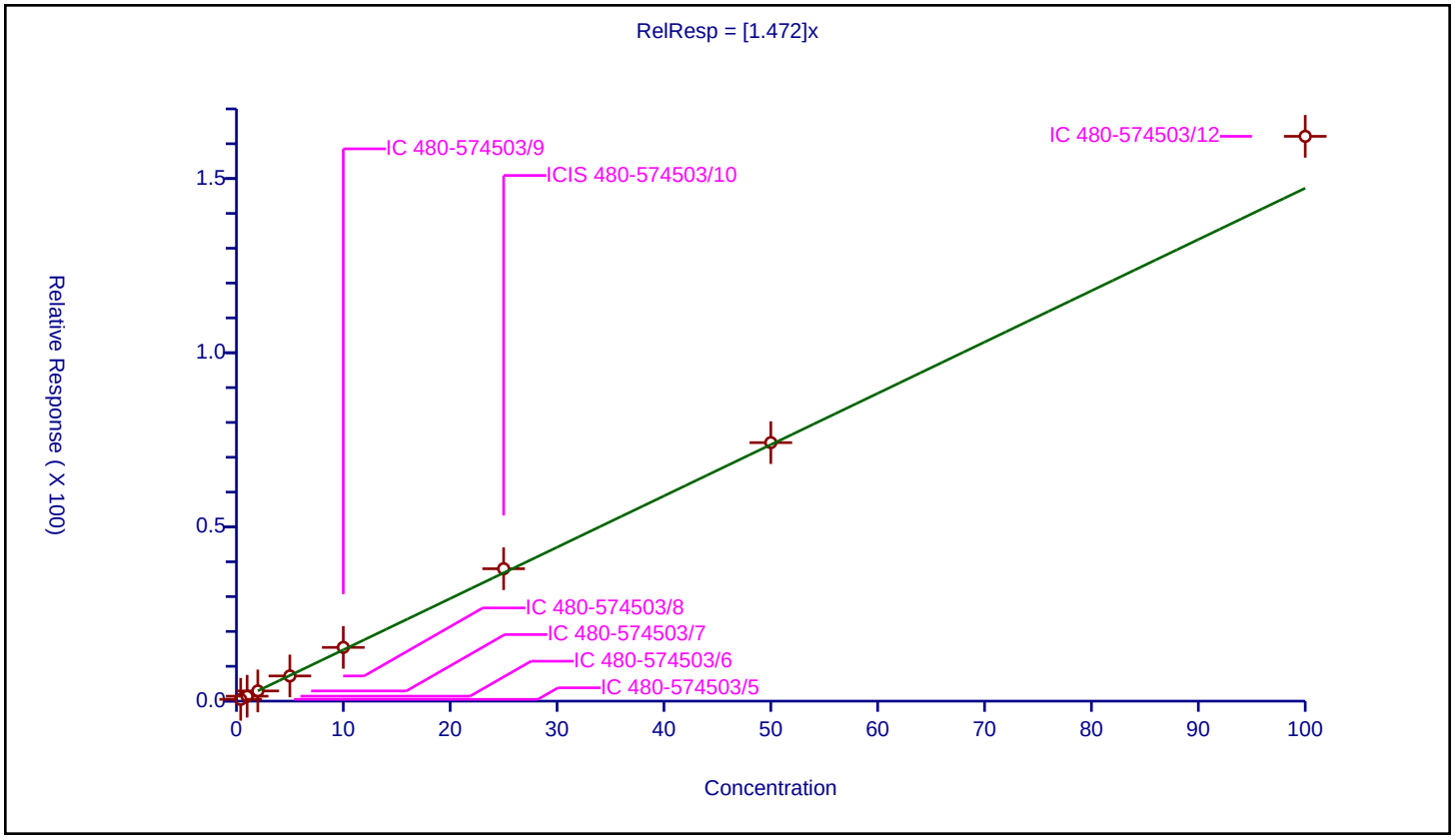
Curve Coefficients

Intercept:	0
Slope:	1.472

Error Coefficients

Standard Error:	902000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.512383	25.0	307387.0	1.280959	Y
2	IC 480-574503/6	1.0	1.421191	25.0	310743.0	1.421191	Y
3	IC 480-574503/7	2.0	2.926286	25.0	312666.0	1.463143	Y
4	IC 480-574503/8	5.0	7.230257	25.0	367971.0	1.446051	Y
5	IC 480-574503/9	10.0	15.424253	25.0	304830.0	1.542425	Y
6	ICIS 480-574503/10	25.0	38.004019	25.0	306040.0	1.520161	Y
7	IC 480-574503/11	50.0	74.206092	25.0	344026.0	1.484122	Y
8	IC 480-574503/12	100.0	162.123788	25.0	322956.0	1.621238	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

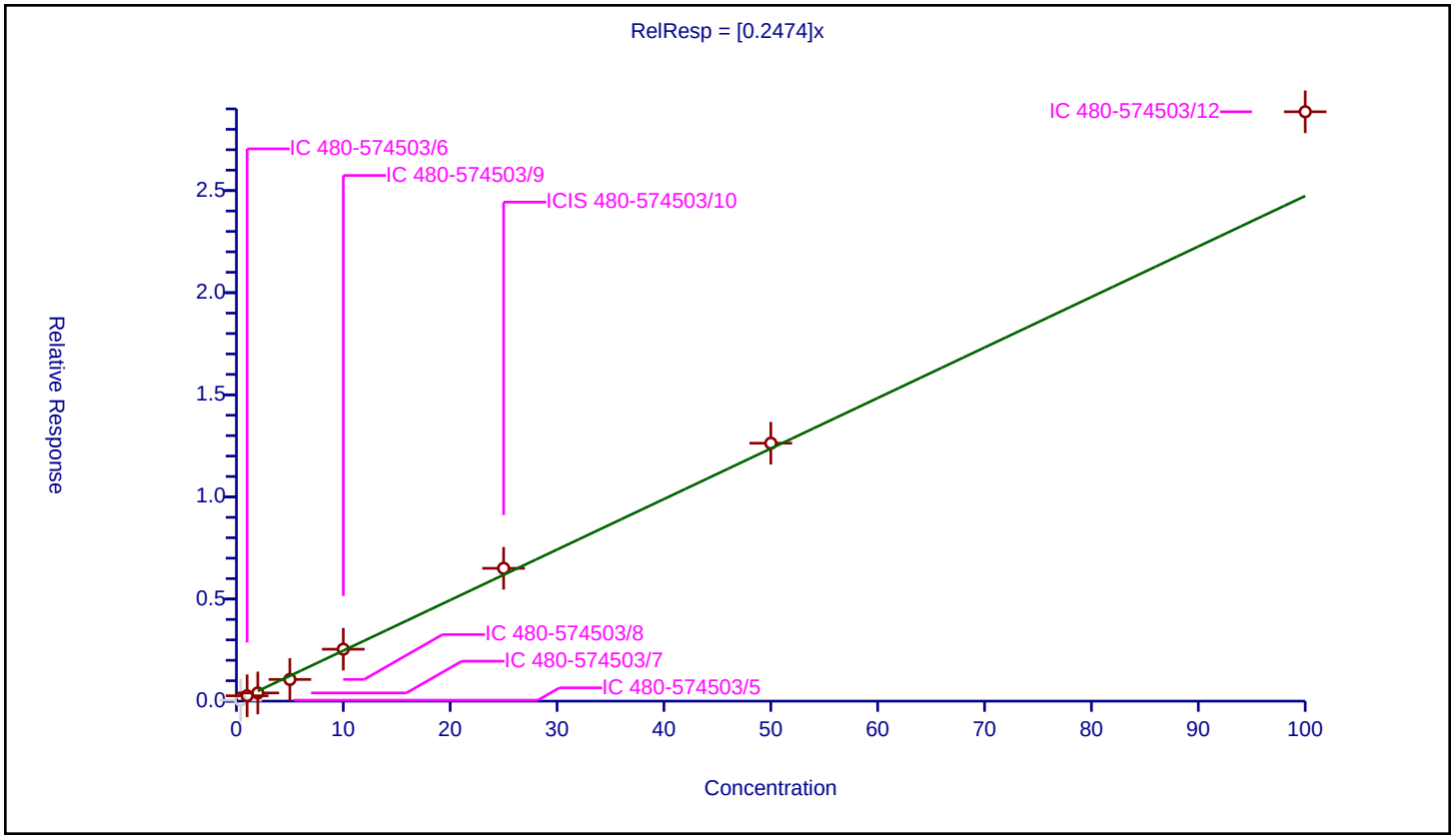
Curve Coefficients

Intercept:	0
Slope:	0.2474

Error Coefficients

Standard Error:	172000
Relative Standard Error:	12.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.046196	25.0	307387.0	0.11549	N
2	IC 480-574503/6	1.0	0.262757	25.0	310743.0	0.262757	Y
3	IC 480-574503/7	2.0	0.401467	25.0	312666.0	0.200733	Y
4	IC 480-574503/8	5.0	1.061768	25.0	367971.0	0.212354	Y
5	IC 480-574503/9	10.0	2.542893	25.0	304830.0	0.254289	Y
6	ICIS 480-574503/10	25.0	6.505114	25.0	306040.0	0.260205	Y
7	IC 480-574503/11	50.0	12.630586	25.0	344026.0	0.252612	Y
8	IC 480-574503/12	100.0	28.859194	25.0	322956.0	0.288592	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

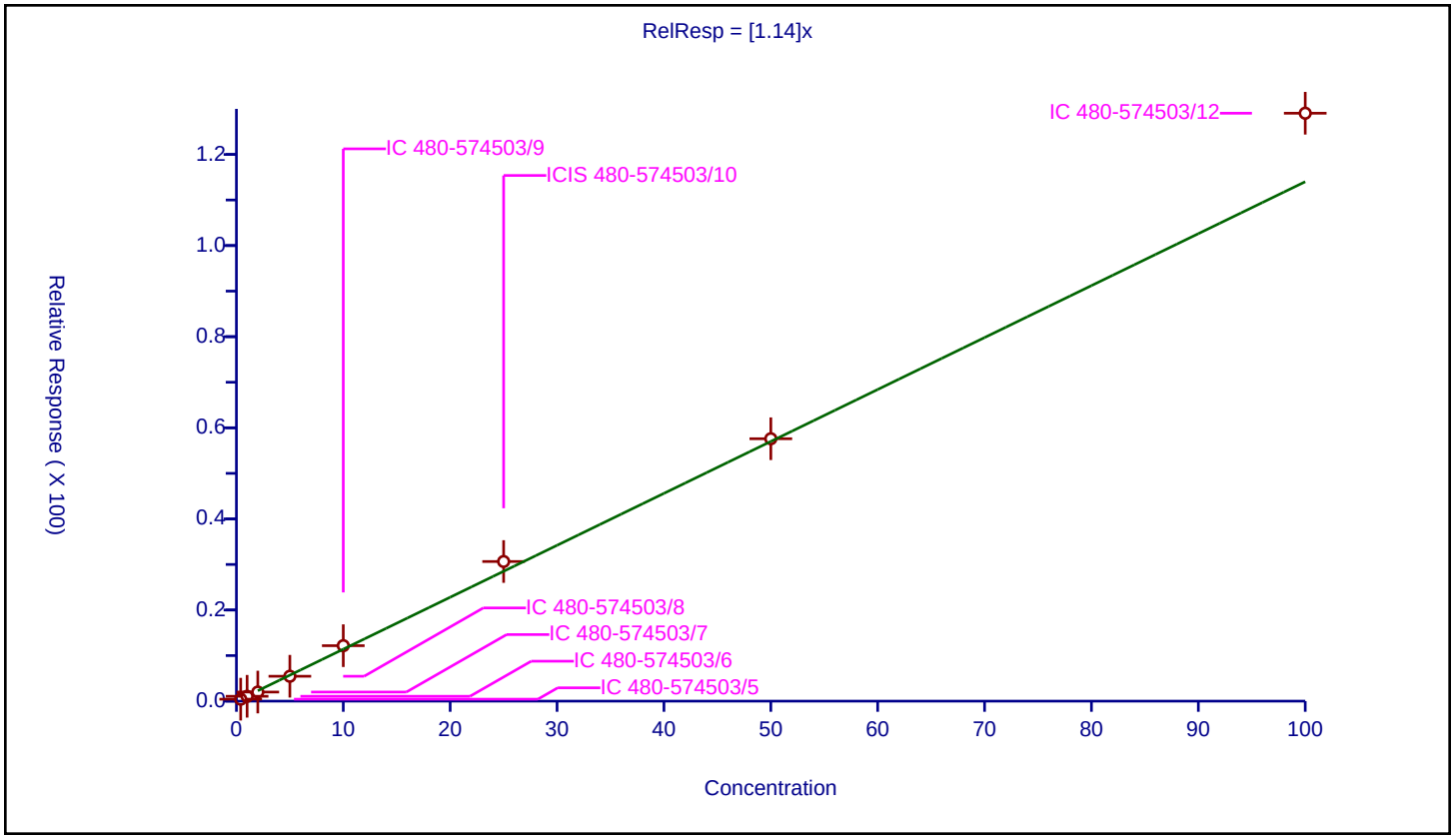
Curve Coefficients

Intercept:	0
Slope:	1.14

Error Coefficients

Standard Error:	715000
Relative Standard Error:	8.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.429589	25.0	307387.0	1.073972	Y
2	IC 480-574503/6	1.0	1.068407	25.0	310743.0	1.068407	Y
3	IC 480-574503/7	2.0	1.998378	25.0	312666.0	0.999189	Y
4	IC 480-574503/8	5.0	5.46592	25.0	367971.0	1.093184	Y
5	IC 480-574503/9	10.0	12.176541	25.0	304830.0	1.217654	Y
6	ICIS 480-574503/10	25.0	30.649016	25.0	306040.0	1.225961	Y
7	IC 480-574503/11	50.0	57.597536	25.0	344026.0	1.151951	Y
8	IC 480-574503/12	100.0	129.046139	25.0	322956.0	1.290461	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

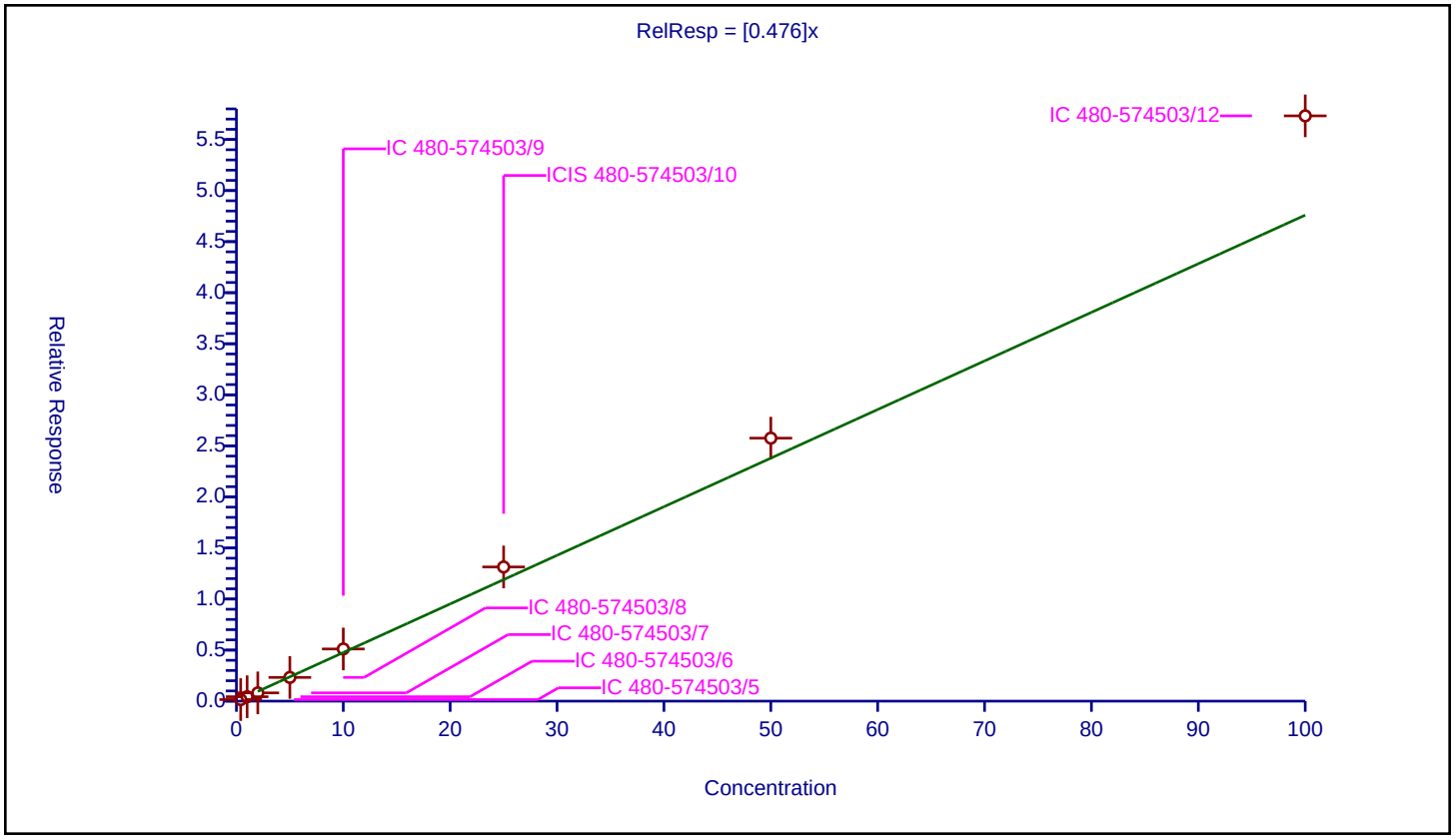
Curve Coefficients

Intercept:	0
Slope:	0.476

Error Coefficients

Standard Error:	317000
Relative Standard Error:	13.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.15282	25.0	307387.0	0.382051	Y
2	IC 480-574503/6	1.0	0.431627	25.0	310743.0	0.431627	Y
3	IC 480-574503/7	2.0	0.80965	25.0	312666.0	0.404825	Y
4	IC 480-574503/8	5.0	2.322126	25.0	367971.0	0.464425	Y
5	IC 480-574503/9	10.0	5.108831	25.0	304830.0	0.510883	Y
6	ICIS 480-574503/10	25.0	13.138152	25.0	306040.0	0.525526	Y
7	IC 480-574503/11	50.0	25.755103	25.0	344026.0	0.515102	Y
8	IC 480-574503/12	100.0	57.317715	25.0	322956.0	0.573177	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

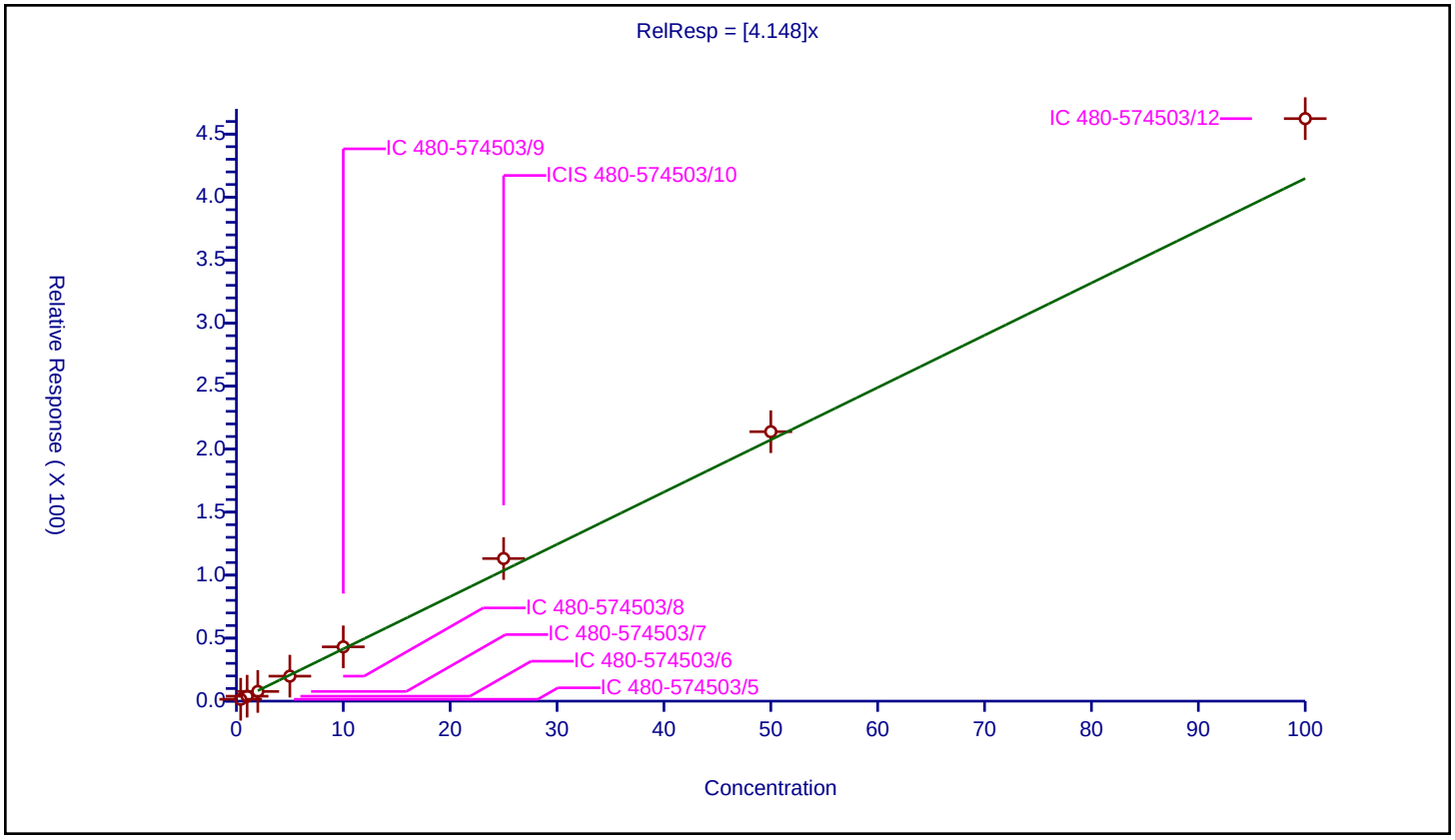
Curve Coefficients

Intercept:	0
Slope:	4.148

Error Coefficients

Standard Error:	2580000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	1.483228	25.0	307387.0	3.70807	Y
2	IC 480-574503/6	1.0	3.917385	25.0	310743.0	3.917385	Y
3	IC 480-574503/7	2.0	7.714462	25.0	312666.0	3.857231	Y
4	IC 480-574503/8	5.0	19.83159	25.0	367971.0	3.966318	Y
5	IC 480-574503/9	10.0	43.0818	25.0	304830.0	4.30818	Y
6	ICIS 480-574503/10	25.0	113.182345	25.0	306040.0	4.527294	Y
7	IC 480-574503/11	50.0	213.817996	25.0	344026.0	4.27636	Y
8	IC 480-574503/12	100.0	462.261655	25.0	322956.0	4.622617	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

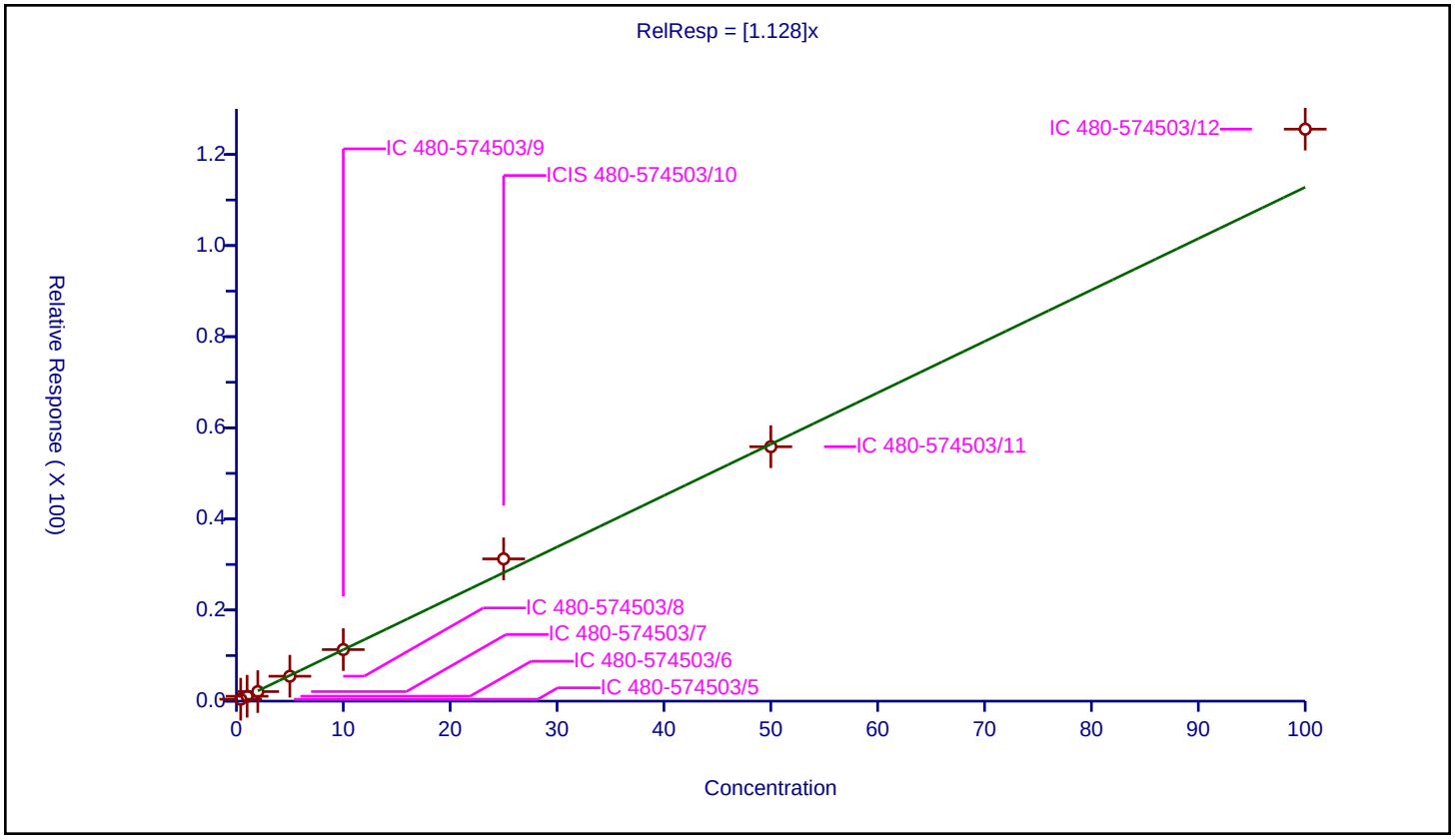
Curve Coefficients

Intercept:	0
Slope:	1.128

Error Coefficients

Standard Error:	696000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-574503/5	0.4	0.421537	25.0	307387.0	1.053843	Y
2	IC 480-574503/6	1.0	1.075487	25.0	310743.0	1.075487	Y
3	IC 480-574503/7	2.0	2.095447	25.0	312666.0	1.047723	Y
4	IC 480-574503/8	5.0	5.470879	25.0	367971.0	1.094176	Y
5	IC 480-574503/9	10.0	11.316718	25.0	304830.0	1.131672	Y
6	ICIS 480-574503/10	25.0	31.230476	25.0	306040.0	1.249219	Y
7	IC 480-574503/11	50.0	55.844471	25.0	344026.0	1.116889	Y
8	IC 480-574503/12	100.0	125.552784	25.0	322956.0	1.255528	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Lab Sample ID: ICV 480-574503/26 Calibration Date: 03/31/2021 20:15

Instrument ID: HP5973C Calib Start Date: 03/31/2021 11:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/31/2021 14:40

Lab File ID: C4935.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.674	1.883	0.1000	28.1	25.0	12.5	50.0
Chloromethane	Ave	1.950	2.317	0.1000	29.7	25.0	18.8	30.0
Vinyl chloride	Ave	1.724	1.793	0.1000	26.0	25.0	4.0	30.0
Butadiene	Ave	1.844	1.697		23.0	25.0	-8.0	30.0
Bromomethane	Ave	0.9562	1.087	0.1000	28.4	25.0	13.7	50.0
Chloroethane	Ave	0.9552	1.027	0.1000	26.9	25.0	7.5	50.0
Dichlorofluoromethane	Ave	2.333	2.180		23.4	25.0	-6.6	30.0
Trichlorofluoromethane	Ave	1.925	2.006	0.1000	26.1	25.0	4.2	30.0
Ethyl ether	Ave	1.281	1.331		26.0	25.0	3.9	30.0
Acrolein	Ave	0.0461	0.0801		217	125	74.0*	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.096	1.246	0.1000	28.4	25.0	13.7	30.0
1,1-Dichloroethene	Ave	1.124	1.238	0.1000	27.5	25.0	10.1	30.0
Acetone	Ave	0.7631	0.7468	0.1000	122	125	-2.1	50.0
Iodomethane	Ave	2.070	2.260		27.3	25.0	9.1	30.0
Carbon disulfide	Ave	3.856	4.187	0.1000	27.1	25.0	8.6	30.0
Allyl chloride	Ave	2.191	2.339		26.7	25.0	6.8	30.0
Methyl acetate	Ave	1.817	1.787	0.1000	49.2	50.0	-1.6	50.0
Methylene Chloride	Lin1		1.479	0.1000	26.5	25.0	6.2	30.0
2-Methyl-2-propanol	Ave	0.3754	0.4096		273	250	9.1	50.0
Methyl tert-butyl ether	Ave	4.102	4.192	0.1000	25.6	25.0	2.2	30.0
trans-1,2-Dichloroethene	Ave	1.384	1.429	0.1000	25.8	25.0	3.3	30.0
Acrylonitrile	Ave	0.9846	1.064		270	250	8.1	30.0
Hexane	Ave	1.903	1.934		25.4	25.0	1.6	30.0
1,1-Dichloroethane	Ave	2.344	2.443	0.2000	26.1	25.0	4.2	30.0
Vinyl acetate	Ave	3.574	3.264		45.7	50.0	-8.7	30.0
2,2-Dichloropropane	Ave	1.469	1.395		23.7	25.0	-5.0	30.0
cis-1,2-Dichloroethene	Ave	1.414	1.582	0.1000	28.0	25.0	11.8	30.0
2-Butanone (MEK)	Ave	1.196	1.187	0.1000	124	125	-0.7	30.0
Chlorobromomethane	Ave	0.7729	0.7752		25.1	25.0	0.3	30.0
Tetrahydrofuran	Ave	0.8812	0.8573		48.6	50.0	-2.7	30.0
Chloroform	Ave	2.355	2.317	0.2000	24.6	25.0	-1.6	30.0
1,1,1-Trichloroethane	Ave	1.818	1.928	0.1000	26.5	25.0	6.0	30.0
Cyclohexane	Ave	2.367	2.556	0.1000	27.0	25.0	8.0	30.0
Carbon tetrachloride	Ave	1.425	1.588	0.1000	27.9	25.0	11.5	30.0
1,1-Dichloropropene	Ave	1.654	1.737		26.3	25.0	5.0	30.0
Benzene	Ave	4.929	5.143	0.5000	26.1	25.0	4.3	30.0
Isobutyl alcohol	Ave	0.1407	0.1010		448	625	-28.3	50.0
1,2-Dichloroethane	Ave	1.915	1.862	0.1000	24.3	25.0	-2.7	30.0
n-Heptane	Ave	2.336	2.169		23.2	25.0	-7.1	30.0
Trichloroethene	Ave	1.283	1.347	0.2000	26.3	25.0	5.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Lab Sample ID: ICV 480-574503/26 Calibration Date: 03/31/2021 20:15

Instrument ID: HP5973C Calib Start Date: 03/31/2021 11:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/31/2021 14:40

Lab File ID: C4935.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.150	2.328	0.1000	27.1	25.0	8.3	30.0
1,2-Dichloropropane	Ave	1.241	1.318	0.1000	26.6	25.0	6.2	30.0
1,4-Dioxane	Ave	0.0130	0.0106		406	500	-18.8	50.0
Dibromomethane	Ave	0.8690	0.9022	0.1000	26.0	25.0	3.8	30.0
Bromodichloromethane	Ave	1.475	1.610	0.2000	27.3	25.0	9.1	30.0
2-Chloroethyl vinyl ether	Ave	0.8656	0.9081		26.2	25.0	4.9	30.0
cis-1,3-Dichloropropene	Ave	1.783	1.869	0.2000	26.2	25.0	4.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.213	1.259	0.1000	130	125	3.8	30.0
Toluene	Ave	1.506	1.593	0.4000	26.5	25.0	5.8	30.0
trans-1,3-Dichloropropene	Ave	0.8616	0.8670	0.1000	25.2	25.0	0.6	30.0
Ethyl methacrylate	Ave	0.8811	0.9135		25.9	25.0	3.7	30.0
1,1,2-Trichloroethane	Ave	0.4878	0.5167	0.1000	26.5	25.0	5.9	30.0
Tetrachloroethene	Ave	0.6519	0.6771	0.2000	26.0	25.0	3.9	30.0
1,3-Dichloropropane	Ave	0.9567	0.999		26.1	25.0	4.5	30.0
2-Hexanone	Ave	0.7896	0.8020	0.1000	127	125	1.6	30.0
Dibromochloromethane	Ave	0.5248	0.6071	0.1000	28.9	25.0	15.7	30.0
1,2-Dibromoethane	Ave	0.6266	0.6791		27.1	25.0	8.4	30.0
Chlorobenzene	Ave	1.642	1.777	0.5000	27.0	25.0	8.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.5926	0.6471		27.3	25.0	9.2	30.0
Ethylbenzene	Ave	2.796	2.952	0.1000	26.4	25.0	5.6	30.0
m,p-Xylene	Ave	1.115	1.149	0.1000	25.8	25.0	3.0	30.0
o-Xylene	Ave	1.172	1.224	0.3000	26.1	25.0	4.5	30.0
Styrene	Ave	1.822	1.847	0.3000	25.3	25.0	1.4	30.0
Bromoform	Ave	0.3345	0.3786	0.1000	28.3	25.0	13.2	50.0
Isopropylbenzene	Ave	2.997	3.390	0.1000	28.3	25.0	13.1	30.0
Bromobenzene	Ave	0.7104	0.7759		27.3	25.0	9.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9441	1.081	0.3000	28.6	25.0	14.5	30.0
N-Propylbenzene	Ave	3.549	3.711		26.1	25.0	4.6	30.0
1,2,3-Trichloropropane	Ave	0.3344	0.3556		26.6	25.0	6.3	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3165	0.3261		25.8	25.0	3.0	50.0
2-Chlorotoluene	Ave	0.7312	0.7722		26.4	25.0	5.6	30.0
1,3,5-Trimethylbenzene	Ave	2.662	2.833		26.6	25.0	6.4	30.0
4-Chlorotoluene	Ave	0.7192	0.7427		25.8	25.0	3.3	30.0
tert-Butylbenzene	Ave	0.5599	0.6056		27.0	25.0	8.2	30.0
1,2,4-Trimethylbenzene	Ave	2.733	2.909		26.6	25.0	6.4	30.0
sec-Butylbenzene	Ave	3.334	3.606		27.0	25.0	8.2	30.0
1,3-Dichlorobenzene	Ave	1.454	1.494	0.6000	25.7	25.0	2.7	30.0
4-Isopropyltoluene	Ave	2.915	3.064		26.3	25.0	5.1	30.0
1,4-Dichlorobenzene	Ave	1.478	1.560	0.5000	26.4	25.0	5.5	30.0
n-Butylbenzene	Ave	2.636	2.657		25.2	25.0	0.8	30.0
1,2-Dichlorobenzene	Ave	1.472	1.542	0.4000	26.2	25.0	4.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Lab Sample ID: ICV 480-574503/26 Calibration Date: 03/31/2021 20:15

Instrument ID: HP5973C Calib Start Date: 03/31/2021 11:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/31/2021 14:40

Lab File ID: C4935.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2474	0.2673	0.0500	27.0	25.0	8.1	50.0
1,2,4-Trichlorobenzene	Ave	1.140	1.162	0.2000	25.5	25.0	1.9	30.0
Hexachlorobutadiene	Ave	0.4760	0.4964		26.1	25.0	4.3	30.0
Naphthalene	Ave	4.148	4.314		26.0	25.0	4.0	30.0
1,2,3-Trichlorobenzene	Ave	1.128	1.143		25.3	25.0	1.3	30.0
Dibromofluoromethane (Surr)	Ave	1.316	1.365		25.9	25.0	3.8	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7967	0.8101		25.4	25.0	1.7	30.0
Toluene-d8 (Surr)	Ave	2.349	2.382		25.3	25.0	1.4	30.0
4-Bromofluorobenzene (Surr)	Ave	0.6765	0.6651		24.6	25.0	-1.7	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4935.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 31-Mar-2021 20:15:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0097516-026
Operator ID: RF Instrument ID: HP5973C
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Apr-2021 17:04:50 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1680

First Level Reviewer: HillL Date: 01-Apr-2021 16:58:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	172889	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	88	325011	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	313958	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	91	236041	25.0	25.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.593	-0.010	93	140049	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	774065	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.055	-0.001	91	216151	25.0	24.6	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	325620	25.0	28.1	
12 Chloromethane	50	1.235	1.236	-0.001	99	400615	25.0	29.7	
13 Vinyl chloride	62	1.318	1.319	-0.001	98	309906	25.0	26.0	
151 Butadiene	54	1.339	1.339	0.000	91	293475	25.0	23.0	
14 Bromomethane	94	1.609	1.598	0.010	91	187930	25.0	28.4	
15 Chloroethane	64	1.691	1.681	0.010	100	177515	25.0	26.9	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	95	376915	25.0	23.4	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	75	346798	25.0	26.1	
18 Ethyl ether	59	2.189	2.189	0.000	93	230182	25.0	26.0	
20 Acrolein	56	2.365	2.365	0.000	97	69275	125.0	217.4	
21 112TCTFE	101	2.386	2.386	0.000	94	215365	25.0	28.4	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	97	214116	25.0	27.5	
23 Acetone	43	2.510	2.510	0.000	99	645577	125.0	122.3	
25 Iodomethane	142	2.541	2.541	0.000	100	390711	25.0	27.3	
26 Carbon disulfide	76	2.583	2.573	0.011	100	723948	25.0	27.1	
28 3-Chloro-1-propene	41	2.748	2.749	-0.001	90	404465	25.0	26.7	
27 Methyl acetate	43	2.790	2.790	0.000	99	617950	50.0	49.2	
30 Methylene Chloride	84	2.883	2.883	0.000	97	255642	25.0	26.5	
31 2-Methyl-2-propanol	59	3.039	3.049	-0.010	99	708207	250.0	272.8	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	96	724821	25.0	25.6	
34 trans-1,2-Dichloroethene	96	3.090	3.091	-0.001	97	247060	25.0	25.8	
33 Acrylonitrile	53	3.142	3.142	0.000	98	1840116	250.0	270.2	
35 Hexane	57	3.267	3.267	0.000	94	334283	25.0	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.463	3.464	-0.001	96	422431	25.0	26.1	
37 Vinyl acetate	43	3.515	3.516	-0.001	97	1128482	50.0	45.7	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	93	241204	25.0	23.7	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	78	273446	25.0	28.0	
43 2-Butanone (MEK)	43	3.971	3.972	-0.001	99	1026248	125.0	124.1	
48 Chlorobromomethane	128	4.147	4.148	-0.001	97	134026	25.0	25.1	
49 Tetrahydrofuran	42	4.158	4.158	0.000	90	296429	50.0	48.6	
50 Chloroform	83	4.210	4.210	0.000	95	400629	25.0	24.6	
52 Cyclohexane	56	4.303	4.303	0.000	92	441919	25.0	27.0	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	98	333302	25.0	26.5	
55 Carbon tetrachloride	117	4.417	4.417	0.000	96	274555	25.0	27.9	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	94	300359	25.0	26.3	
57 Benzene	78	4.593	4.593	0.000	97	889206	25.0	26.1	
53 Isobutyl alcohol	43	4.603	4.604	-0.001	92	436346	625.0	448.3	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	96	321982	25.0	24.3	
59 n-Heptane	43	4.728	4.728	0.000	96	374950	25.0	23.2	
62 Trichloroethene	95	5.080	5.080	0.000	96	232909	25.0	26.3	
64 Methylcyclohexane	83	5.173	5.174	-0.001	93	402565	25.0	27.1	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	95	227861	25.0	26.6	
66 1,4-Dioxane	88	5.381	5.381	0.000	37	68854	500.0	406.1	
67 Dibromomethane	93	5.381	5.381	0.000	97	155985	25.0	26.0	
68 Dichlorobromomethane	83	5.495	5.495	0.000	98	278374	25.0	27.3	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	93	157005	25.0	26.2	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	94	323173	25.0	26.2	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	2045761	125.0	129.8	
74 Toluene	92	6.044	6.044	0.000	98	517795	25.0	26.5	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	94	281798	25.0	25.2	
75 Ethyl methacrylate	69	6.272	6.272	0.000	91	296893	25.0	25.9	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	90	167930	25.0	26.5	
81 Tetrachloroethene	166	6.448	6.448	0.000	96	220061	25.0	26.0	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	94	324785	25.0	26.1	
80 2-Hexanone	43	6.562	6.562	0.000	97	1303306	125.0	127.0	
83 Chlorodibromomethane	129	6.697	6.707	-0.010	90	197316	25.0	28.9	
84 Ethylene Dibromide	107	6.790	6.790	0.000	98	220727	25.0	27.1	
87 Chlorobenzene	112	7.142	7.143	-0.001	95	577391	25.0	27.0	
88 Ethylbenzene	91	7.205	7.205	0.000	98	959413	25.0	26.4	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	93	210310	25.0	27.3	
90 m-Xylene & p-Xylene	106	7.287	7.288	-0.001	96	373376	25.0	25.8	
91 o-Xylene	106	7.609	7.609	0.000	98	397893	25.0	26.1	
92 Styrene	104	7.629	7.630	-0.001	95	600260	25.0	25.3	
95 Bromoform	173	7.826	7.827	-0.001	95	123065	25.0	28.3	
94 Isopropylbenzene	105	7.889	7.889	-0.001	95	1064359	25.0	28.3	
101 Bromobenzene	156	8.179	8.179	0.000	93	243592	25.0	27.3	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.200	-0.001	96	339334	25.0	28.6	
99 N-Propylbenzene	91	8.220	8.220	0.000	98	1165180	25.0	26.1	
100 1,2,3-Trichloropropane	110	8.230	8.231	-0.001	87	111628	25.0	26.6	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	76	102391	25.0	25.8	
103 2-Chlorotoluene	126	8.313	8.314	-0.001	97	242454	25.0	26.4	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	93	889422	25.0	26.6	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	233180	25.0	25.8	
106 tert-Butylbenzene	134	8.624	8.625	0.000	93	190131	25.0	27.0	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	913371	25.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.800	8.801	-0.001	94	1132176	25.0	27.0	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	468931	25.0	25.7	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	962050	25.0	26.3	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	97	489669	25.0	26.4	
115 n-Butylbenzene	91	9.256	9.257	-0.001	98	834300	25.0	25.2	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	484151	25.0	26.2	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	85	83931	25.0	27.0	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	364847	25.0	25.5	
120 Hexachlorobutadiene	225	10.738	10.739	-0.001	98	155835	25.0	26.1	
121 Naphthalene	128	10.842	10.842	0.000	97	1354385	25.0	26.0	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	358772	25.0	25.3	

QC Flag Legend

Processing Flags

Reagents:

SS 8260 CORP_00091	Amount Added: 12.50	Units: uL	
SS GAS CORP_00397	Amount Added: 12.50	Units: uL	
C_8260_IS_00153	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_Surr_00170	Amount Added: 2.00	Units: uL	Run Reagent

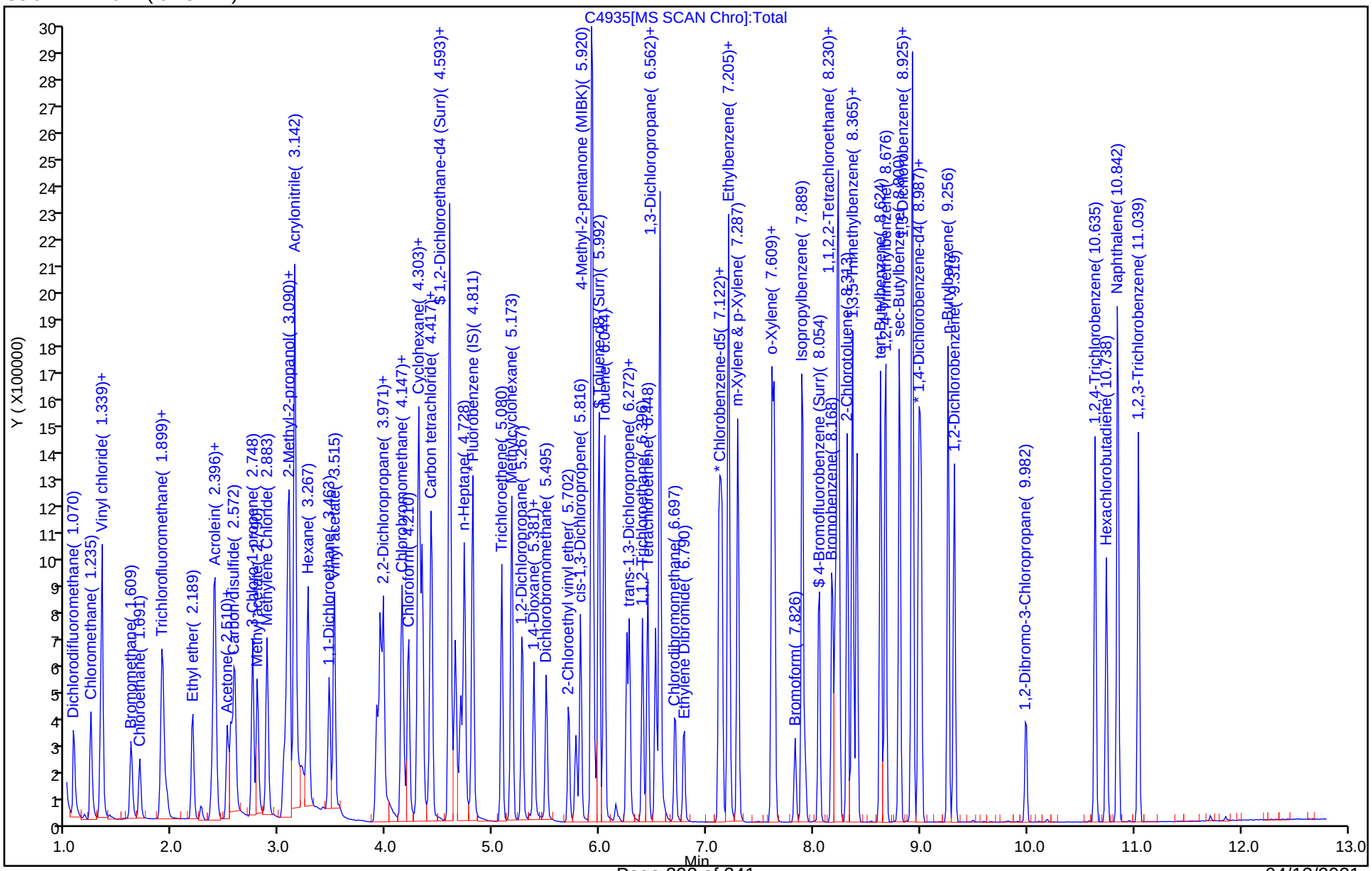
Report Date: 01-Apr-2021 17:06:30 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4935.D

Injection Date:	31-Mar-2021 20:15:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	ICV			Worklist Smp#:	26
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Lab Sample ID: CCVIS 480-575330/3 Calibration Date: 04/07/2021 09:25

Instrument ID: HP5973C Calib Start Date: 03/31/2021 11:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/31/2021 14:40

Lab File ID: C5138.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.674	1.470	0.1000	22.0	25.0	-12.2	50.0
Chloromethane	Ave	1.950	1.926	0.1000	24.7	25.0	-1.2	20.0
Vinyl chloride	Ave	1.724	1.582	0.1000	22.9	25.0	-8.2	20.0
Butadiene	Ave	1.844	1.601		21.7	25.0	-13.2	20.0
Bromomethane	Ave	0.9562	0.9304	0.1000	24.3	25.0	-2.7	50.0
Chloroethane	Ave	0.9552	0.8830	0.1000	23.1	25.0	-7.6	50.0
Dichlorofluoromethane	Ave	2.333	2.010		21.5	25.0	-13.9	20.0
Trichlorofluoromethane	Ave	1.925	1.774	0.1000	23.0	25.0	-7.8	20.0
Ethyl ether	Ave	1.281	1.137		22.2	25.0	-11.2	20.0
Acrolein	Ave	0.0461	0.0463		126	125	0.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.096	1.133	0.1000	25.8	25.0	3.4	20.0
1,1-Dichloroethene	Ave	1.124	1.151	0.1000	25.6	25.0	2.4	20.0
Acetone	Ave	0.7631	0.6651	0.1000	109	125	-12.8	50.0
Iodomethane	Ave	2.070	2.144		25.9	25.0	3.6	20.0
Carbon disulfide	Ave	3.856	3.992	0.1000	25.9	25.0	3.5	20.0
Allyl chloride	Ave	2.191	2.241		25.6	25.0	2.3	20.0
Methyl acetate	Ave	1.817	1.740	0.1000	47.9	50.0	-4.2	50.0
Methylene Chloride	Lin1		1.345	0.1000	24.1	25.0	-3.6	20.0
2-Methyl-2-propanol	Ave	0.3754	0.1981		132	250	-47.2	50.0
Methyl tert-butyl ether	Ave	4.102	3.942	0.1000	24.0	25.0	-3.9	20.0
trans-1,2-Dichloroethene	Ave	1.384	1.377	0.1000	24.9	25.0	-0.5	20.0
Acrylonitrile	Ave	0.9846	1.022		260	250	3.8	20.0
Hexane	Ave	1.903	2.018		26.5	25.0	6.0	20.0
1,1-Dichloroethane	Ave	2.344	2.411	0.2000	25.7	25.0	2.9	20.0
Vinyl acetate	Ave	3.574	3.584		50.1	50.0	0.3	20.0
2,2-Dichloropropane	Ave	1.469	1.505		25.6	25.0	2.4	20.0
cis-1,2-Dichloroethene	Ave	1.414	1.482	0.1000	26.2	25.0	4.8	20.0
2-Butanone (MEK)	Ave	1.196	1.087	0.1000	114	125	-9.1	20.0
Chlorobromomethane	Ave	0.7729	0.7735		25.0	25.0	0.0	20.0
Tetrahydrofuran	Ave	0.8812	0.7126		40.4	50.0	-19.1	20.0
Chloroform	Ave	2.355	2.252	0.2000	23.9	25.0	-4.3	20.0
1,1,1-Trichloroethane	Ave	1.818	1.877	0.1000	25.8	25.0	3.2	20.0
Cyclohexane	Ave	2.367	2.390	0.1000	25.2	25.0	1.0	20.0
Carbon tetrachloride	Ave	1.425	1.574	0.1000	27.6	25.0	10.5	20.0
1,1-Dichloropropene	Ave	1.654	1.771		26.8	25.0	7.1	20.0
Benzene	Ave	4.929	5.163	0.5000	26.2	25.0	4.7	20.0
Isobutyl alcohol	Ave	0.1407	0.0994		441	625	-29.4	50.0
1,2-Dichloroethane	Ave	1.915	1.844	0.1000	24.1	25.0	-3.7	20.0
n-Heptane	Ave	2.336	2.310		24.7	25.0	-1.1	20.0
Trichloroethene	Ave	1.283	1.376	0.2000	26.8	25.0	7.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Lab Sample ID: CCVIS 480-575330/3 Calibration Date: 04/07/2021 09:25

Instrument ID: HP5973C Calib Start Date: 03/31/2021 11:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/31/2021 14:40

Lab File ID: C5138.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.150	2.244	0.1000	26.1	25.0	4.4	20.0
1,2-Dichloropropane	Ave	1.241	1.311	0.1000	26.4	25.0	5.7	20.0
1,4-Dioxane	Ave	0.0130	0.0123		473	500	-5.4	50.0
Dibromomethane	Ave	0.8690	0.9062	0.1000	26.1	25.0	4.3	20.0
Bromodichloromethane	Ave	1.475	1.589	0.2000	26.9	25.0	7.7	20.0
2-Chloroethyl vinyl ether	Ave	0.8656	0.9444		27.3	25.0	9.1	20.0
cis-1,3-Dichloropropene	Ave	1.783	1.964	0.2000	27.6	25.0	10.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.213	1.272	0.1000	131	125	4.9	20.0
Toluene	Ave	1.506	1.629	0.4000	27.1	25.0	8.2	20.0
trans-1,3-Dichloropropene	Ave	0.8616	0.9396	0.1000	27.3	25.0	9.0	20.0
Ethyl methacrylate	Ave	0.8811	0.9223		26.2	25.0	4.7	20.0
1,1,2-Trichloroethane	Ave	0.4878	0.5304	0.1000	27.2	25.0	8.7	20.0
Tetrachloroethene	Ave	0.6519	0.6854	0.2000	26.3	25.0	5.1	20.0
1,3-Dichloropropane	Ave	0.9567	1.016		26.6	25.0	6.2	20.0
2-Hexanone	Ave	0.7896	0.8136	0.1000	129	125	3.0	20.0
Dibromochloromethane	Ave	0.5248	0.6220	0.1000	29.6	25.0	18.5	20.0
1,2-Dibromoethane	Ave	0.6266	0.6841		27.3	25.0	9.2	20.0
Chlorobenzene	Ave	1.642	1.787	0.5000	27.2	25.0	8.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5926	0.6645		28.0	25.0	12.1	20.0
Ethylbenzene	Ave	2.796	3.015	0.1000	27.0	25.0	7.8	20.0
m,p-Xylene	Ave	1.115	1.185	0.1000	26.6	25.0	6.3	20.0
o-Xylene	Ave	1.172	1.230	0.3000	26.3	25.0	5.0	20.0
Styrene	Ave	1.822	1.897	0.3000	26.0	25.0	4.1	20.0
Bromoform	Ave	0.3345	0.4003	0.1000	29.9	25.0	19.7	50.0
Isopropylbenzene	Ave	2.997	3.414	0.1000	28.5	25.0	13.9	20.0
Bromobenzene	Ave	0.7104	0.7809		27.5	25.0	9.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9441	1.060	0.3000	28.1	25.0	12.3	20.0
N-Propylbenzene	Ave	3.549	3.755		26.5	25.0	5.8	20.0
1,2,3-Trichloropropane	Ave	0.3344	0.3526		26.4	25.0	5.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3165	0.3089		24.4	25.0	-2.4	50.0
2-Chlorotoluene	Ave	0.7312	0.7837		26.8	25.0	7.2	20.0
1,3,5-Trimethylbenzene	Ave	2.662	2.848		26.7	25.0	7.0	20.0
4-Chlorotoluene	Ave	0.7192	0.7671		26.7	25.0	6.7	20.0
tert-Butylbenzene	Ave	0.5599	0.6205		27.7	25.0	10.8	20.0
1,2,4-Trimethylbenzene	Ave	2.733	2.839		26.0	25.0	3.9	20.0
sec-Butylbenzene	Ave	3.334	3.624		27.2	25.0	8.7	20.0
4-Isopropyltoluene	Ave	2.915	3.050		26.2	25.0	4.6	20.0
1,3-Dichlorobenzene	Ave	1.454	1.524	0.6000	26.2	25.0	4.8	20.0
1,4-Dichlorobenzene	Ave	1.478	1.535	0.5000	26.0	25.0	3.9	20.0
n-Butylbenzene	Ave	2.636	2.709		25.7	25.0	2.8	20.0
1,2-Dichlorobenzene	Ave	1.472	1.506	0.4000	25.6	25.0	2.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Lab Sample ID: CCVIS 480-575330/3 Calibration Date: 04/07/2021 09:25

Instrument ID: HP5973C Calib Start Date: 03/31/2021 11:52

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 03/31/2021 14:40

Lab File ID: C5138.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2474	0.2568	0.0500	26.0	25.0	3.8	50.0
1,2,4-Trichlorobenzene	Ave	1.140	1.137	0.2000	24.9	25.0	-0.2	20.0
Hexachlorobutadiene	Ave	0.4760	0.4954		26.0	25.0	4.1	20.0
Naphthalene	Ave	4.148	4.098		24.7	25.0	-1.2	20.0
1,2,3-Trichlorobenzene	Ave	1.128	1.060		23.5	25.0	-6.0	20.0
Dibromofluoromethane (Surr)	Ave	1.316	1.362		25.9	25.0	3.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7967	0.8059		25.3	25.0	1.2	20.0
Toluene-d8 (Surr)	Ave	2.349	2.515		26.8	25.0	7.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6765	0.6932		25.6	25.0	2.5	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5138.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Apr-2021 09:25:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0097664-003
Operator ID: OI Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Apr-2021 10:13:18 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: izquierdoo Date: 07-Apr-2021 10:13:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	166688	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	307039	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	293788	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	92	226998	25.0	25.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	94	134339	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	772064	25.0	26.8	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	91	212835	25.0	25.6	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	244991	25.0	22.0	
12 Chloromethane	50	1.235	1.235	0.000	99	321090	25.0	24.7	
13 Vinyl chloride	62	1.329	1.329	0.000	98	263712	25.0	22.9	
151 Butadiene	54	1.339	1.339	0.000	92	266788	25.0	21.7	
14 Bromomethane	94	1.609	1.609	0.000	91	155093	25.0	24.3	
15 Chloroethane	64	1.691	1.691	0.000	99	147181	25.0	23.1	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	95	335064	25.0	21.5	
17 Trichlorofluoromethane	101	1.909	1.909	0.000	74	295686	25.0	23.0	
18 Ethyl ether	59	2.189	2.189	0.000	94	189562	25.0	22.2	
20 Acrolein	56	2.365	2.365	0.000	97	38600	125.0	125.7	
21 112TCTFE	101	2.386	2.386	0.000	92	188893	25.0	25.8	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	97	191900	25.0	25.6	
23 Acetone	43	2.510	2.510	0.000	99	554305	125.0	108.9	
25 Iodomethane	142	2.541	2.541	0.000	99	357445	25.0	25.9	
26 Carbon disulfide	76	2.583	2.583	0.000	99	665339	25.0	25.9	
28 3-Chloro-1-propene	41	2.748	2.748	0.000	92	373533	25.0	25.6	
27 Methyl acetate	43	2.790	2.790	0.000	99	580096	50.0	47.9	
30 Methylene Chloride	84	2.883	2.883	0.000	98	224277	25.0	24.1	
31 2-Methyl-2-propanol	59	3.039	3.039	0.000	98	330221	250.0	131.9	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	96	657152	25.0	24.0	
34 trans-1,2-Dichloroethene	96	3.090	3.090	0.000	97	229564	25.0	24.9	
33 Acrylonitrile	53	3.142	3.142	0.000	99	1704325	250.0	259.6	
35 Hexane	57	3.267	3.267	0.000	93	336315	25.0	26.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.464	0.000	97	401887	25.0	25.7	
37 Vinyl acetate	43	3.515	3.515	0.000	97	1194952	50.0	50.1	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	93	250812	25.0	25.6	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	79	246965	25.0	26.2	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	100	906109	125.0	113.7	
48 Chlorobromomethane	128	4.137	4.137	0.000	97	128931	25.0	25.0	
49 Tetrahydrofuran	42	4.158	4.158	0.000	91	237573	50.0	40.4	
50 Chloroform	83	4.210	4.210	0.000	94	375439	25.0	23.9	
52 Cyclohexane	56	4.303	4.303	0.000	93	398366	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	98	312851	25.0	25.8	
55 Carbon tetrachloride	117	4.417	4.417	0.000	97	262311	25.0	27.6	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	95	295206	25.0	26.8	
57 Benzene	78	4.593	4.593	0.000	97	860597	25.0	26.2	
53 Isobutyl alcohol	43	4.603	4.603	0.000	94	414221	625.0	441.4	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	307379	25.0	24.1	
59 n-Heptane	43	4.728	4.728	0.000	94	384972	25.0	24.7	
62 Trichloroethene	95	5.080	5.080	0.000	96	229312	25.0	26.8	
64 Methylcyclohexane	83	5.173	5.173	0.000	93	374086	25.0	26.1	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	95	218563	25.0	26.4	
66 1,4-Dioxane	88	5.381	5.381	0.000	42	75800	500.0	473.2	
67 Dibromomethane	93	5.381	5.381	0.000	96	151050	25.0	26.1	
68 Dichlorobromomethane	83	5.495	5.495	0.000	99	264863	25.0	26.9	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	91	157423	25.0	27.3	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	95	327457	25.0	27.6	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	1952121	125.0	131.1	
74 Toluene	92	6.044	6.044	0.000	98	500265	25.0	27.1	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	98	288498	25.0	27.3	
75 Ethyl methacrylate	69	6.272	6.272	0.000	93	283171	25.0	26.2	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	90	162857	25.0	27.2	
81 Tetrachloroethene	166	6.448	6.448	0.000	95	210457	25.0	26.3	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	94	312000	25.0	26.6	
80 2-Hexanone	43	6.562	6.562	0.000	97	1249073	125.0	128.8	
83 Chlorodibromomethane	129	6.707	6.707	0.000	89	190982	25.0	29.6	
84 Ethylene Dibromide	107	6.790	6.790	0.000	98	210039	25.0	27.3	
87 Chlorobenzene	112	7.142	7.142	0.000	95	548643	25.0	27.2	
88 Ethylbenzene	91	7.205	7.205	0.000	98	925664	25.0	27.0	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	94	204037	25.0	28.0	
90 m-Xylene & p-Xylene	106	7.287	7.287	0.000	97	363977	25.0	26.6	
91 o-Xylene	106	7.609	7.609	0.000	98	377806	25.0	26.3	
92 Styrene	104	7.629	7.629	0.000	95	582344	25.0	26.0	
95 Bromoform	173	7.826	7.826	0.000	96	122902	25.0	29.9	
94 Isopropylbenzene	105	7.889	7.889	0.000	95	1003096	25.0	28.5	
101 Bromobenzene	156	8.179	8.179	0.000	92	229419	25.0	27.5	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.199	0.000	95	311537	25.0	28.1	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	1103196	25.0	26.5	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	86	103577	25.0	26.4	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	77	90742	25.0	24.4	
103 2-Chlorotoluene	126	8.313	8.313	0.000	97	230251	25.0	26.8	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	95	836589	25.0	26.7	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	225376	25.0	26.7	
106 tert-Butylbenzene	134	8.624	8.624	0.000	92	182297	25.0	27.7	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	834106	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.800	8.800	0.000	94	1064726	25.0	27.2	
110 4-Isopropyltoluene	119	8.914	8.914	0.000	97	896182	25.0	26.2	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	447710	25.0	26.2	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	451103	25.0	26.0	
115 n-Butylbenzene	91	9.256	9.256	0.000	98	795897	25.0	25.7	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	442587	25.0	25.6	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	87	75443	25.0	26.0	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	334132	25.0	24.9	
120 Hexachlorobutadiene	225	10.738	10.738	0.000	98	145550	25.0	26.0	
121 Naphthalene	128	10.842	10.842	0.000	97	1203889	25.0	24.7	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	95	311521	25.0	23.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00205	Amount Added: 12.50	Units: uL	
GAS CORP mix_00449	Amount Added: 12.50	Units: uL	
C_8260_Surr_00170	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_IS_00153	Amount Added: 2.00	Units: uL	Run Reagent

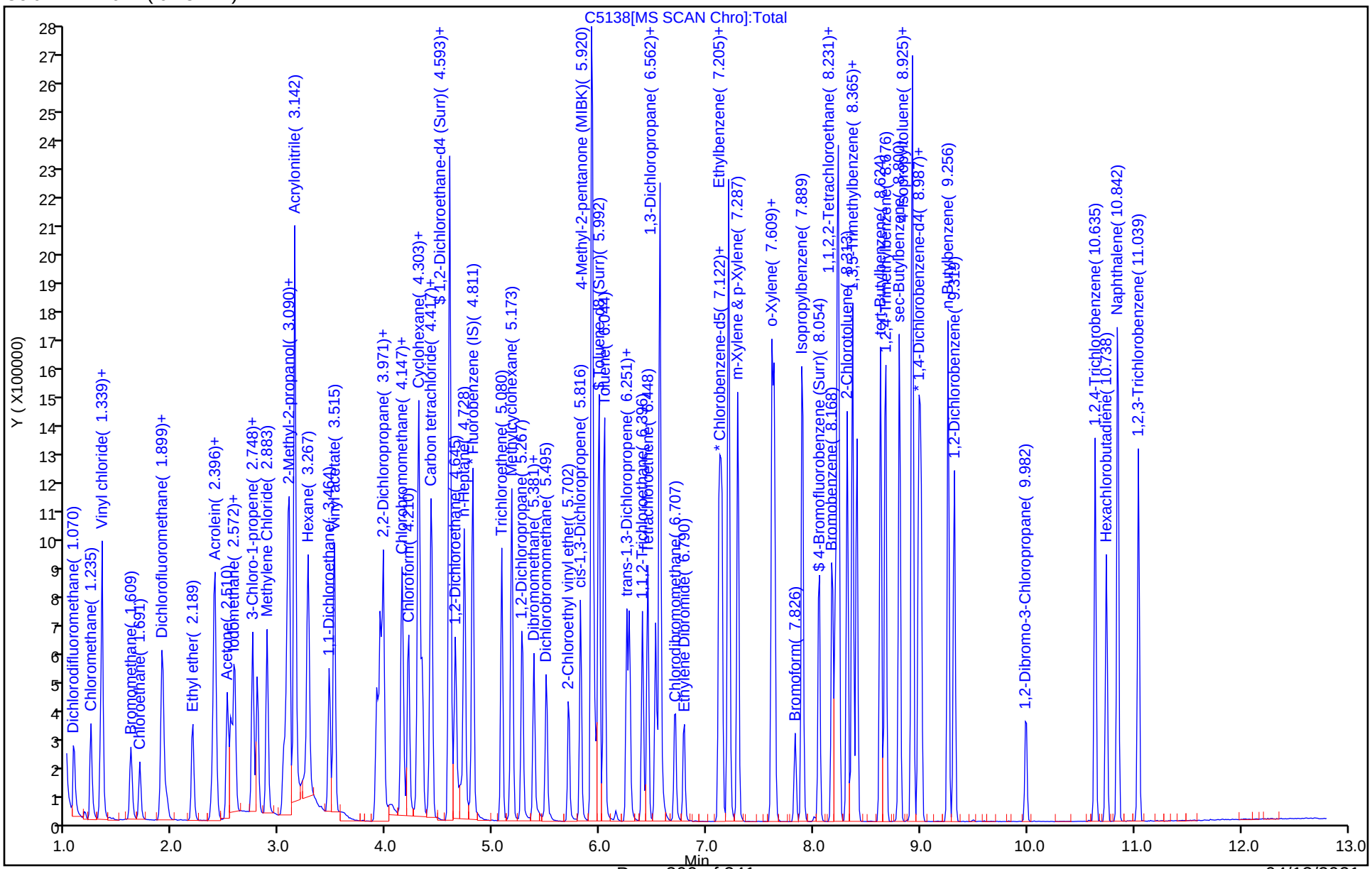
Report Date: 07-Apr-2021 10:13:20 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5138.D

Injection Date:	07-Apr-2021 09:25:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4912.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	31-Mar-2021 11:06:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0097516-003				
Operator ID:	RF	Instrument ID:	HP5973C		
Method:	\\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	01-Apr-2021 17:06:52	Calib Date:	31-Mar-2021 19:03:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1680				
First Level Reviewer: HillL		Date:	01-Apr-2021 16:59:11		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	5.498	5.498	0.000	0	224710	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

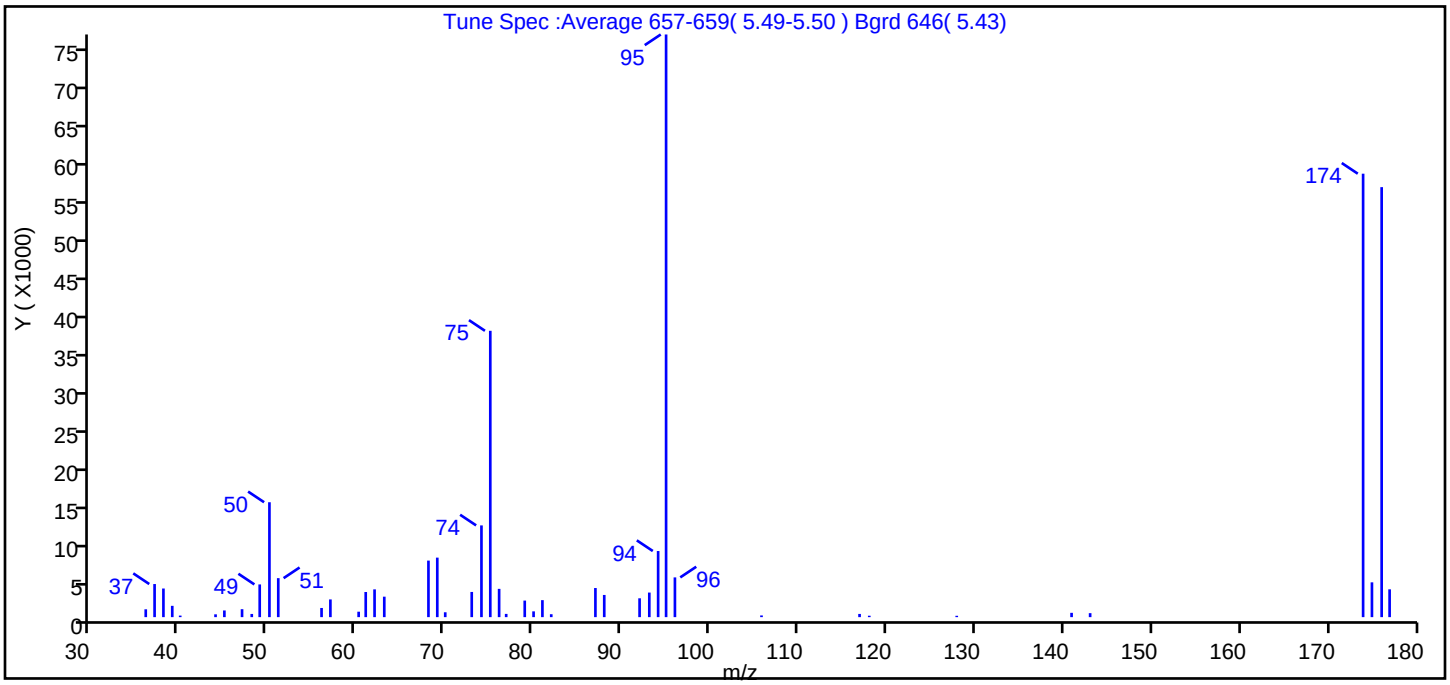
BFB_WRK_00118 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4912.D				
Injection Date:	31-Mar-2021 11:06:30	Instrument ID:	HP5973C		
Lims ID:	BFB				
Client ID:					
Operator ID:	RF	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Tune Method:	BFB Method 8260				

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.7
75	30 to 60% of m/z 95	49.1
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	76.1
175	5 to 9% of m/z 174	6.0 (7.8)
176	Greater than 95% but less than 101% of m/z 174	73.8 (97.0)
177	5 to 9% of m/z 176	4.8 (6.5)

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4912.D\C-8260.rslt\spectra.d
Injection Date: 31-Mar-2021 11:06:30
Spectrum: Tune Spec :Average 657-659(5.49-5.50) Bgrd 646(5.43)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1031	56.00	1205	76.00	3715	96.00	5222
37.00	4349	57.00	2328	77.00	426	106.00	224
38.00	3761	60.00	715	79.00	2176	117.00	422
39.00	1485	61.00	3303	80.00	761	118.00	187
40.00	204	62.00	3650	81.00	2233	128.00	178
44.00	371	63.00	2689	82.00	385	141.00	567
45.00	879	68.00	7428	87.00	3825	143.00	524
47.00	1045	69.00	7818	88.00	2915	174.00	58256
48.00	420	70.00	640	92.00	2476	175.00	4572
49.00	4298	73.00	3310	93.00	3229	176.00	56488
50.00	15095	74.00	12052	94.00	8686	177.00	3655
51.00	5122	75.00	37616	95.00	76544		

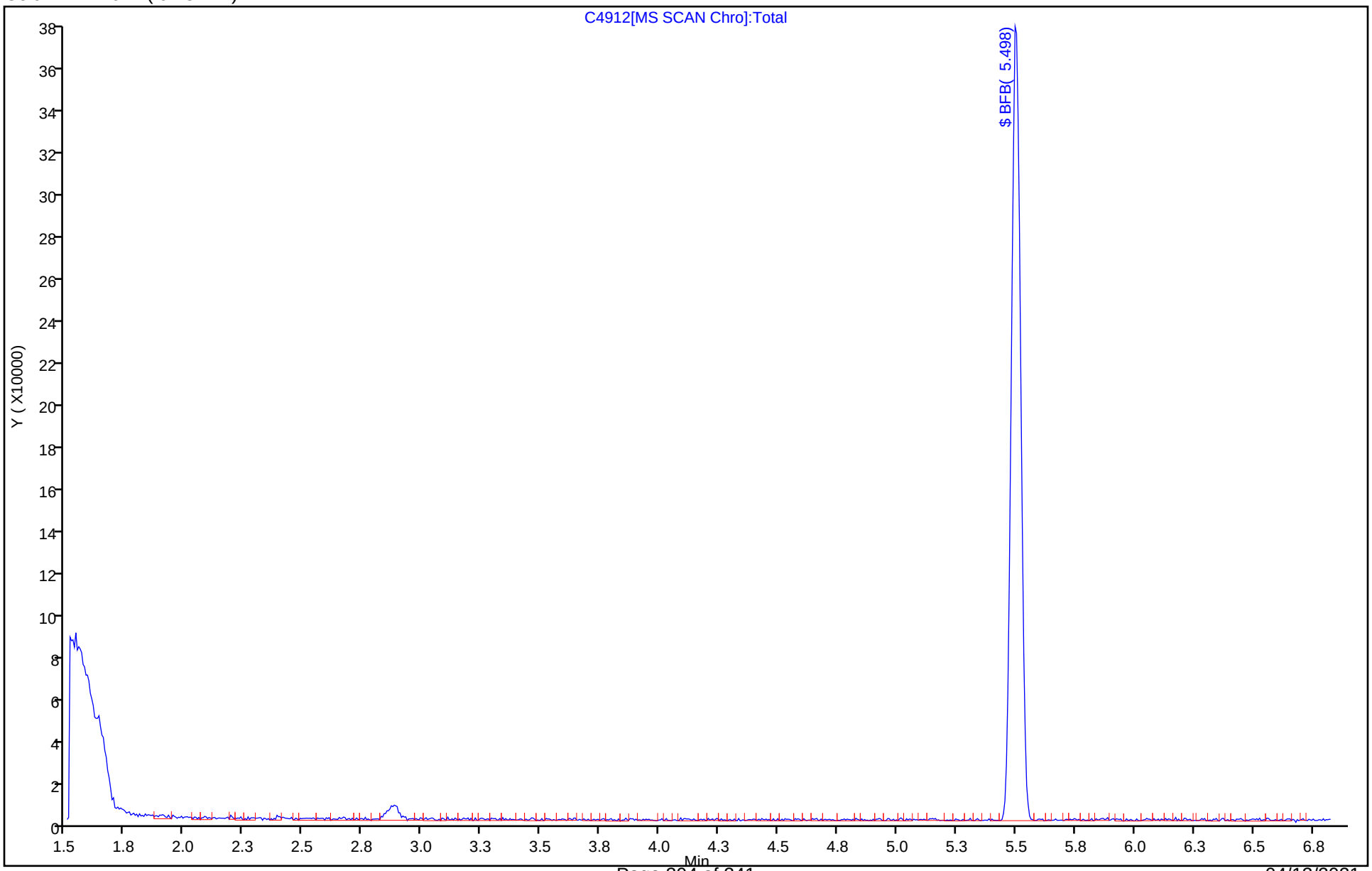
Report Date: 01-Apr-2021 17:06:53 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4912.D

Injection Date:	31-Mar-2021 11:06:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5137.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	07-Apr-2021 09:00:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0097664-002				
Operator ID:	OI	Instrument ID:	HP5973C		
Method:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	07-Apr-2021 09:10:38	Calib Date:	31-Mar-2021 19:03:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1647				
First Level Reviewer: izquierdoo		Date:	07-Apr-2021 09:10:38		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	5.498	5.498	0.000	0	176415	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

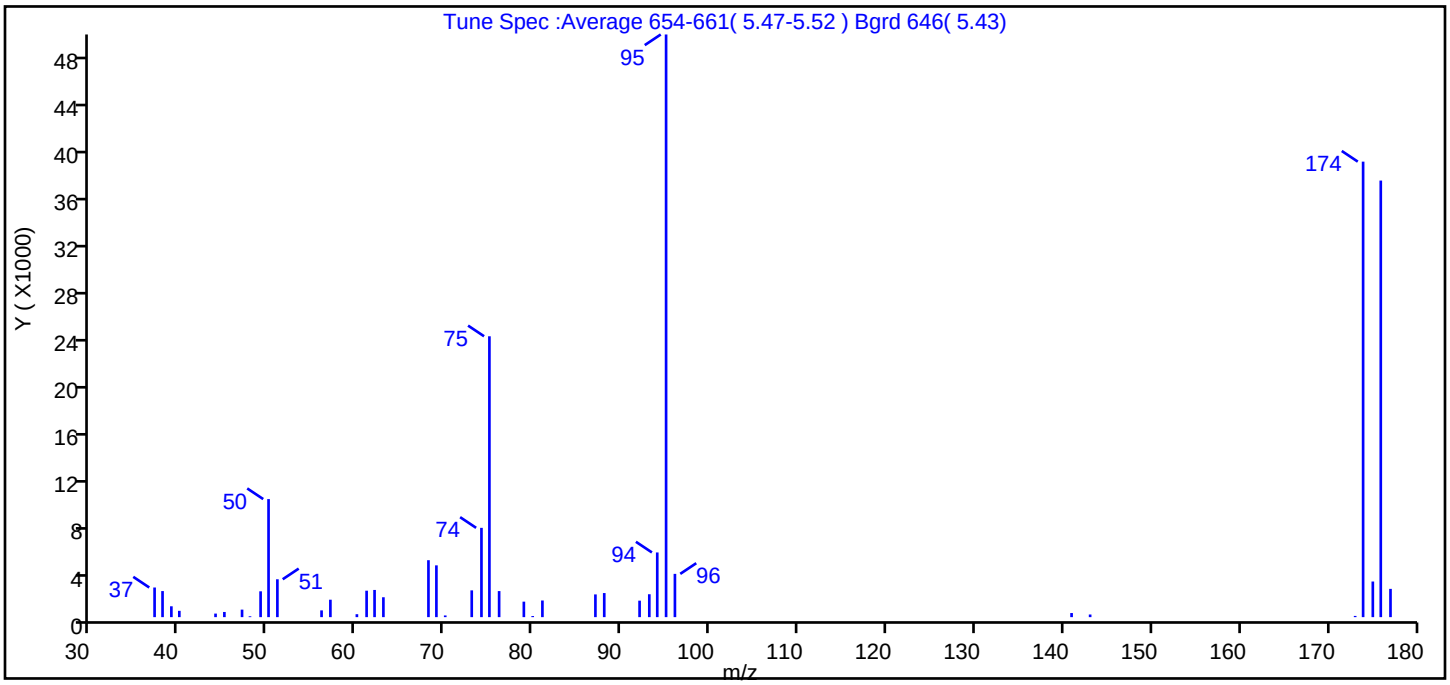
BFB_WRK_00119 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5137.D				
Injection Date:	07-Apr-2021 09:00:30	Instrument ID:	HP5973C		
Lims ID:	BFB				
Client ID:					
Operator ID:	OI	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Tune Method:	BFB Method 8260				

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.3
75	30 to 60% of m/z 95	48.2
96	5 to 9% of m/z 95	7.4
173	Less than 2% of m/z 174	0.2 (0.3)
174	50 to 120% of m/z 95	78.2
175	5 to 9% of m/z 174	6.1 (7.8)
176	Greater than 95% but less than 101% of m/z 174	74.9 (95.8)
177	5 to 9% of m/z 176	4.9 (6.5)

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5137.D\C-8260.rslt\spectra.d
Injection Date: 07-Apr-2021 09:00:30
Spectrum: Tune Spec :Average 654-661(5.47-5.52) Bgrd 646(5.43)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 41

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	2517	56.00	575	75.00	23856	96.00	3676
38.00	2214	57.00	1481	76.00	2213	141.00	349
39.00	922	60.00	250	79.00	1316	143.00	224
40.00	536	61.00	2246	80.00	92	173.00	104
44.00	302	62.00	2310	81.00	1414	174.00	38688
45.00	439	63.00	1690	87.00	1931	175.00	3026
47.00	639	68.00	4836	88.00	2046	176.00	37080
48.00	71	69.00	4399	92.00	1400	177.00	2401
49.00	2194	70.00	143	93.00	1945		
50.00	10027	73.00	2275	94.00	5495		
51.00	3217	74.00	7585	95.00	49488		

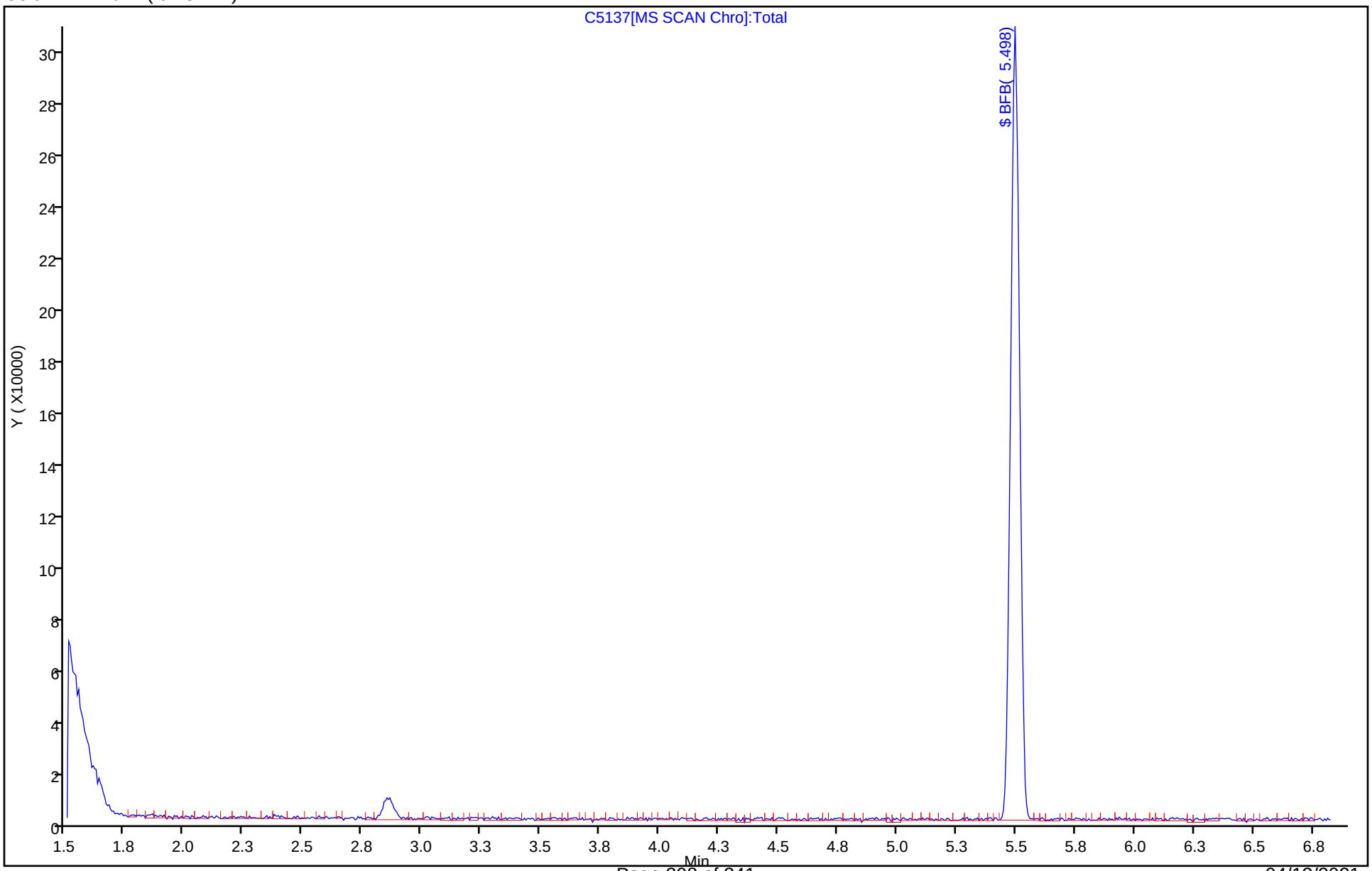
Report Date: 07-Apr-2021 09:10:38 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5137.D

Injection Date:	07-Apr-2021 09:00:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-575330/7

Matrix: Water Lab File ID: C5142.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 11:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-575330/7

Matrix: Water Lab File ID: C5142.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 11:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
2037-26-5	Toluene-d8 (Surr)	108		80-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5142.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 07-Apr-2021 11:00:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0097664-007
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Apr-2021 11:30:42 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: izquierdoo Date: 07-Apr-2021 11:30:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	162205	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	302312	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	309896	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	228964	25.0	26.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	98	139833	25.0	27.1	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	764054	25.0	26.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	90	221163	25.0	27.0	
10 Dichlorodifluoromethane	85		1.070					ND	
11 Chlorodifluoromethane	51		1.091					ND	
12 Chloromethane	50		1.235					ND	
13 Vinyl chloride	62		1.329					ND	
151 Butadiene	54		1.339					ND	
14 Bromomethane	94		1.609					ND	
15 Chloroethane	64		1.691					ND	
16 Dichlorofluoromethane	67		1.899					ND	
17 Trichlorofluoromethane	101		1.909					ND	
18 Ethyl ether	59		2.189					ND	
148 Ethanol	45		2.199					ND	
19 Propene oxide	58		2.272					ND	
20 Acrolein	56		2.365					ND	
21 112TCTFE	101		2.386					ND	
22 1,1-Dichloroethene	96		2.396					ND	
23 Acetone	43		2.510					ND	
25 Iodomethane	142		2.541					ND	
26 Carbon disulfide	76		2.583					ND	
24 Isopropyl alcohol	45		2.697					ND	
28 3-Chloro-1-propene	41		2.748					ND	
27 Methyl acetate	43		2.790					ND	
29 Acetonitrile	40		2.800					ND	U
30 Methylene Chloride	84		2.883					ND	U
31 2-Methyl-2-propanol	59		3.039					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.080					ND	
34 trans-1,2-Dichloroethene	96		3.090					ND	
33 Acrylonitrile	53		3.142					ND	MU
35 Hexane	57		3.267					ND	
39 1,1-Dichloroethane	63		3.464					ND	
36 Isopropyl ether	45		3.474					ND	
135 Halothane	117		3.505					ND	
37 Vinyl acetate	43		3.515					ND	
40 2-Chloro-1,3-butadiene	53		3.515					ND	
38 1,1-Dimethoxyethane	75		3.547					ND	
41 Tert-butyl ethyl ether	59		3.775					ND	
44 2,2-Dichloropropane	77		3.909					ND	
45 cis-1,2-Dichloroethene	96		3.940					ND	
43 2-Butanone (MEK)	43		3.971					ND	
42 Ethyl acetate	43		4.003					ND	
46 Propionitrile	54		4.065					ND	
48 Chlorobromomethane	128		4.137					ND	
49 Tetrahydrofuran	42		4.158					ND	U
47 Methacrylonitrile	41		4.158					ND	
50 Chloroform	83		4.210					ND	
52 Cyclohexane	56		4.303					ND	
51 1,1,1-Trichloroethane	97		4.303					ND	
55 Carbon tetrachloride	117		4.417					ND	
54 1,1-Dichloropropene	75		4.427					ND	
152 Isooctane	57		4.583					ND	
57 Benzene	78		4.593					ND	
53 Isobutyl alcohol	43		4.603					ND	
58 1,2-Dichloroethane	62		4.645					ND	
56 Tert-amyl methyl ether	73		4.645					ND	U
147 t-Amyl alcohol	59		4.645					ND	
59 n-Heptane	43		4.728					ND	
1 1,4-Difluorobenzene	114		4.894					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.987					ND	
62 Trichloroethene	95		5.080					ND	
60 n-Butanol	56		5.091					ND	
64 Methylcyclohexane	83		5.173					ND	
142 Ethyl acrylate	55		5.174					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.174					ND	
65 1,2-Dichloropropane	63		5.267					ND	
63 Methyl methacrylate	41		5.339					ND	
66 1,4-Dioxane	88		5.381					ND	
67 Dibromomethane	93		5.381					ND	
68 Dichlorobromomethane	83		5.495					ND	
70 2-Nitropropane	43		5.692					ND	
69 2-Chloroethyl vinyl ether	63		5.702					ND	
71 Epichlorohydrin	57		5.785					ND	
72 cis-1,3-Dichloropropene	75		5.816					ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.920					ND	7
74 Toluene	92		6.044					ND	
76 2-Methylthiophene	97		6.148					ND	
77 trans-1,3-Dichloropropene	75		6.251					ND	
75 Ethyl methacrylate	69		6.272					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		6.272					ND	
79 1,1,2-Trichloroethane	83		6.396					ND	
81 Tetrachloroethene	166		6.448					ND	
82 1,3-Dichloropropane	76		6.521					ND	
80 2-Hexanone	43		6.562					ND	
155 n-Butyl acetate	43		6.635					ND	
83 Chlorodibromomethane	129		6.707					ND	
84 Ethylene Dibromide	107		6.790					ND	
146 1-Chlorohexane	55		7.091					ND	U
85 3-Chlorobenzotrifluoride	180		7.101					ND	
87 Chlorobenzene	112		7.142					ND	
86 4-Chlorobenzotrifluoride	180		7.143					ND	
88 Ethylbenzene	91		7.205					ND	
89 1,1,1,2-Tetrachloroethane	131		7.205					ND	
90 m-Xylene & p-Xylene	106		7.287					ND	
91 o-Xylene	106		7.609					ND	
92 Styrene	104		7.629					ND	
95 Bromoform	173		7.826					ND	
93 2-Chlorobenzotrifluoride	180		7.837					ND	
94 Isopropylbenzene	105		7.889					ND	
96 Cyclohexanone	55		8.034					ND	
101 Bromobenzene	156		8.179					ND	
97 1,1,2,2-Tetrachloroethane	83		8.199					ND	
99 N-Propylbenzene	91		8.220					ND	
100 1,2,3-Trichloropropane	110		8.231					ND	
98 trans-1,4-Dichloro-2-butene	53		8.241					ND	
103 2-Chlorotoluene	126		8.313					ND	
102 1,3,5-Trimethylbenzene	105		8.365					ND	
104 3-Chlorotoluene	126		8.365					ND	
105 4-Chlorotoluene	126		8.407					ND	
106 tert-Butylbenzene	134		8.624					ND	
107 1,2,4-Trimethylbenzene	105		8.676					ND	
108 Pentachloroethane	167		8.687					ND	
109 sec-Butylbenzene	105		8.800					ND	
110 4-Isopropyltoluene	119		8.914					ND	
111 1,3-Dichlorobenzene	146		8.925					ND	
114 Dicyclopentadiene	66		8.987					ND	
113 1,4-Dichlorobenzene	146		9.008					ND	
112 1,2,3-Trimethylbenzene	105		9.029					ND	
150 Benzyl chloride	126		9.132					ND	
115 n-Butylbenzene	91		9.256					ND	
116 1,2-Dichlorobenzene	146		9.319					ND	
117 1,2-Dibromo-3-Chloropropane	75		9.982					ND	
118 1,3,5-Trichlorobenzene	180		10.106					ND	
119 1,2,4-Trichlorobenzene	180		10.635					ND	U
120 Hexachlorobutadiene	225		10.738					ND	
121 Naphthalene	128		10.842					ND	
122 1,2,3-Trichlorobenzene	180		11.039					ND	
149 2-Methylnaphthalene	142		11.713					ND	U
145 Ethylene oxide TIC	1		0.000					ND	
137 Nitrobenzene	77		0.000					ND	
136 Hexachloroethane	117		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
139 cis-1,4-Dichloro-2-butene	88		0.000					ND	
S 123 Total BTEX	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent

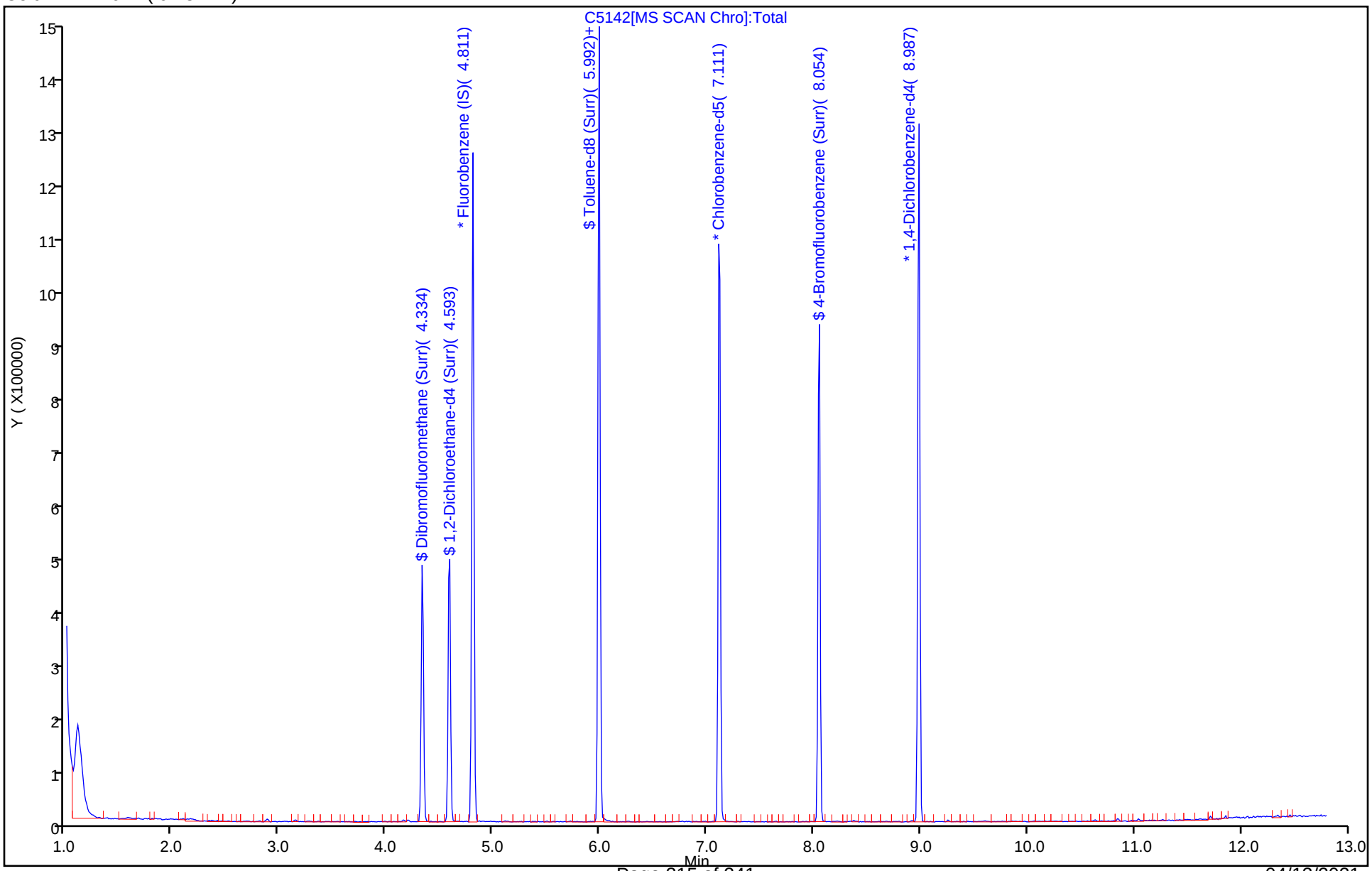
Report Date: 07-Apr-2021 11:30:43 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5142.D

Injection Date:	07-Apr-2021 11:00:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



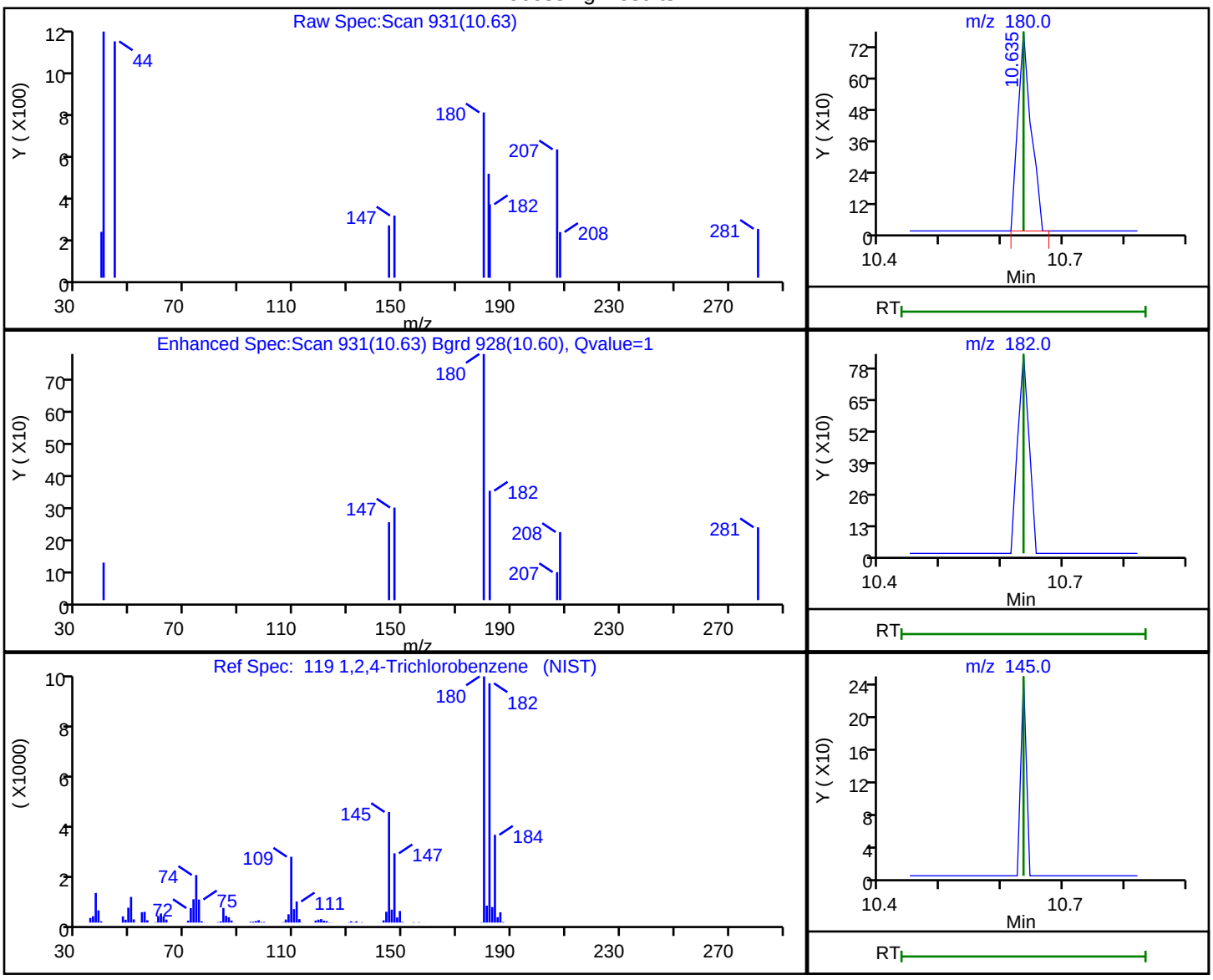
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5142.D
Injection Date: 07-Apr-2021 11:00:30 Instrument ID: HP5973C
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

119 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results



RT	Mass	Response	Amount
10.63	180.00	1152	0.081514
10.63	182.00	0	
10.63	145.00	0	

Reviewer: izquierdoo, 07-Apr-2021 11:29:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-575330/5

Matrix: Water Lab File ID: C5140.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 10:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.6		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	29.8		1.0	0.21
79-00-5	1,1,2-Trichloroethane	28.5		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	25.3		1.0	0.31
75-34-3	1,1-Dichloroethane	26.0		1.0	0.38
75-35-4	1,1-Dichloroethene	24.5		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	28.1		1.0	0.39
106-93-4	1,2-Dibromoethane	28.5		1.0	0.73
95-50-1	1,2-Dichlorobenzene	27.2		1.0	0.79
107-06-2	1,2-Dichloroethane	25.5		1.0	0.21
78-87-5	1,2-Dichloropropane	26.7		1.0	0.72
541-73-1	1,3-Dichlorobenzene	27.0		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.4		1.0	0.84
591-78-6	2-Hexanone	139		5.0	1.2
78-93-3	2-Butanone (MEK)	157		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	137		5.0	2.1
67-64-1	Acetone	144		10	3.0
71-43-2	Benzene	25.9		1.0	0.41
75-27-4	Bromodichloromethane	27.9		1.0	0.39
75-25-2	Bromoform	31.5		1.0	0.26
74-83-9	Bromomethane	23.7		1.0	0.69
75-15-0	Carbon disulfide	24.7		1.0	0.19
56-23-5	Carbon tetrachloride	27.5		1.0	0.27
108-90-7	Chlorobenzene	27.8		1.0	0.75
124-48-1	Dibromochloromethane	30.5		1.0	0.32
75-00-3	Chloroethane	22.7		1.0	0.32
67-66-3	Chloroform	24.5		1.0	0.34
74-87-3	Chloromethane	23.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	29.4		1.0	0.36
110-82-7	Cyclohexane	24.7		1.0	0.18
75-71-8	Dichlorodifluoromethane	20.1		1.0	0.68
100-41-4	Ethylbenzene	26.8		1.0	0.74
98-82-8	Isopropylbenzene	28.5		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-575330/5

Matrix: Water Lab File ID: C5140.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 10:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	42.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.5		1.0	0.16
108-87-2	Methylcyclohexane	25.5		1.0	0.16
75-09-2	Methylene Chloride	24.7		1.0	0.44
100-42-5	Styrene	26.3		1.0	0.73
127-18-4	Tetrachloroethene	25.9		1.0	0.36
108-88-3	Toluene	27.1		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	28.6		1.0	0.37
79-01-6	Trichloroethene	26.1		1.0	0.46
75-69-4	Trichlorofluoromethane	21.5		1.0	0.88
75-01-4	Vinyl chloride	21.0		1.0	0.90
1330-20-7	Xylenes, Total	52.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
2037-26-5	Toluene-d8 (Surr)	110		80-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5140.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 07-Apr-2021 10:13:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0097664-005
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Apr-2021 08:51:34 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: izquierdoo Date: 07-Apr-2021 11:05:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	157797	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	294866	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	277321	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	92	216950	25.0	26.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	57	129092	25.0	25.7	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	760032	25.0	27.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.054	0.001	92	213695	25.0	26.8	
10 Dichlorodifluoromethane	85	1.080	1.070	0.010	99	212411	25.0	20.1	
12 Chloromethane	50	1.236	1.235	0.001	99	291596	25.0	23.7	
13 Vinyl chloride	62	1.329	1.329	0.000	98	228523	25.0	21.0	
151 Butadiene	54	1.339	1.339	0.000	91	234497	25.0	20.1	
14 Bromomethane	94	1.609	1.609	0.000	92	143219	25.0	23.7	
15 Chloroethane	64	1.702	1.691	0.011	99	136613	25.0	22.7	
16 Dichlorofluoromethane	67	1.909	1.899	0.010	96	306706	25.0	20.8	
17 Trichlorofluoromethane	101	1.909	1.909	0.000	71	261154	25.0	21.5	
18 Ethyl ether	59	2.189	2.189	0.000	94	182980	25.0	22.6	
20 Acrolein	56	2.365	2.365	0.000	99	56695	125.0	195.0	
21 112TCTFE	101	2.396	2.386	0.010	92	175191	25.0	25.3	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	98	173550	25.0	24.5	
23 Acetone	43	2.510	2.510	0.000	100	693545	125.0	144.0	
25 Iodomethane	142	2.552	2.541	0.011	99	335614	25.0	25.7	
26 Carbon disulfide	76	2.583	2.583	0.000	100	600499	25.0	24.7	
28 3-Chloro-1-propene	41	2.749	2.748	0.001	92	346747	25.0	25.1	
27 Methyl acetate	43	2.800	2.790	0.010	99	488402	50.0	42.6	
30 Methylene Chloride	84	2.883	2.883	0.000	98	217460	25.0	24.7	
31 2-Methyl-2-propanol	59	3.049	3.039	0.010	98	669943	250.0	282.8	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	98	635516	25.0	24.5	
34 trans-1,2-Dichloroethene	96	3.091	3.090	0.001	98	215132	25.0	24.6	
33 Acrylonitrile	53	3.142	3.142	0.000	99	1716401	250.0	276.2	
35 Hexane	57	3.267	3.267	0.000	93	310231	25.0	25.8	
39 1,1-Dichloroethane	63	3.464	3.464	0.000	96	384641	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.516	3.515	0.001	97	1156088	50.0	51.2	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	91	215483	25.0	23.2	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	79	239997	25.0	26.9	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	100	1187627	125.0	157.4	
48 Chlorobromomethane	128	4.148	4.137	0.011	97	130191	25.0	26.7	
49 Tetrahydrofuran	42	4.158	4.158	0.000	88	232142	50.0	41.7	
50 Chloroform	83	4.210	4.210	0.000	94	363915	25.0	24.5	
52 Cyclohexane	56	4.303	4.303	0.000	93	368589	25.0	24.7	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	98	294040	25.0	25.6	
55 Carbon tetrachloride	117	4.417	4.417	0.000	96	247251	25.0	27.5	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	94	276871	25.0	26.5	
57 Benzene	78	4.593	4.593	0.000	96	804861	25.0	25.9	
53 Isobutyl alcohol	43	4.604	4.603	0.001	94	495636	625.0	557.9	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	307753	25.0	25.5	
59 n-Heptane	43	4.728	4.728	0.000	94	369530	25.0	25.1	
62 Trichloroethene	95	5.080	5.080	0.000	96	211111	25.0	26.1	
64 Methylcyclohexane	83	5.174	5.173	0.001	93	346498	25.0	25.5	
65 1,2-Dichloropropane	63	5.277	5.267	0.010	95	209060	25.0	26.7	
66 1,4-Dioxane	88	5.381	5.381	0.000	39	77445	500.0	503.5	
67 Dibromomethane	93	5.381	5.381	0.000	95	148984	25.0	27.2	
68 Dichlorobromomethane	83	5.495	5.495	0.000	98	259843	25.0	27.9	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	93	160526	25.0	29.4	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	94	330903	25.0	29.4	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	1957252	125.0	136.8	
74 Toluene	92	6.044	6.044	0.000	98	481792	25.0	27.1	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	95	291088	25.0	28.6	
75 Ethyl methacrylate	69	6.272	6.272	0.000	91	291711	25.0	28.1	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	90	164230	25.0	28.5	
81 Tetrachloroethene	166	6.448	6.448	0.000	95	198918	25.0	25.9	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	93	313655	25.0	27.8	
80 2-Hexanone	43	6.562	6.562	0.000	99	1292096	125.0	138.7	
83 Chlorodibromomethane	129	6.707	6.707	0.000	90	189082	25.0	30.5	
84 Ethylene Dibromide	107	6.790	6.790	0.000	99	210543	25.0	28.5	
87 Chlorobenzene	112	7.143	7.142	0.001	95	538128	25.0	27.8	
88 Ethylbenzene	91	7.205	7.205	0.000	98	884584	25.0	26.8	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	93	201850	25.0	28.9	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.001	97	347480	25.0	26.4	
91 o-Xylene	106	7.609	7.609	0.000	98	358419	25.0	25.9	
92 Styrene	104	7.630	7.630	0.001	95	564608	25.0	26.3	
95 Bromoform	173	7.827	7.826	0.001	97	124320	25.0	31.5	
94 Isopropylbenzene	105	7.889	7.889	0.000	95	947156	25.0	28.5	
101 Bromobenzene	156	8.169	8.179	-0.011	96	221471	25.0	28.1	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.199	0.001	96	312400	25.0	29.8	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	1051527	25.0	26.7	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.001	87	104633	25.0	28.2	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	75	91899	25.0	26.2	
103 2-Chlorotoluene	126	8.314	8.313	0.001	97	223081	25.0	27.5	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	94	794560	25.0	26.9	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	222846	25.0	27.9	
106 tert-Butylbenzene	134	8.624	8.624	0.000	93	177882	25.0	28.6	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	804940	25.0	26.6	
109 sec-Butylbenzene	105	8.801	8.801	0.001	94	1012116	25.0	27.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	8.925	8.915	0.011	97	871183	25.0	26.9	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	435338	25.0	27.0	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	95	433151	25.0	26.4	
115 n-Butylbenzene	91	9.257	9.257	0.001	98	760355	25.0	26.0	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	444535	25.0	27.2	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	87	77064	25.0	28.1	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	326273	25.0	25.8	
120 Hexachlorobutadiene	225	10.739	10.738	0.001	98	140823	25.0	26.7	
121 Naphthalene	128	10.842	10.842	0.000	97	1219109	25.0	26.5	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	322356	25.0	25.8	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00205	Amount Added:	12.50	Units: uL	
GAS CORP mix_00449	Amount Added:	12.50	Units: uL	
C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent

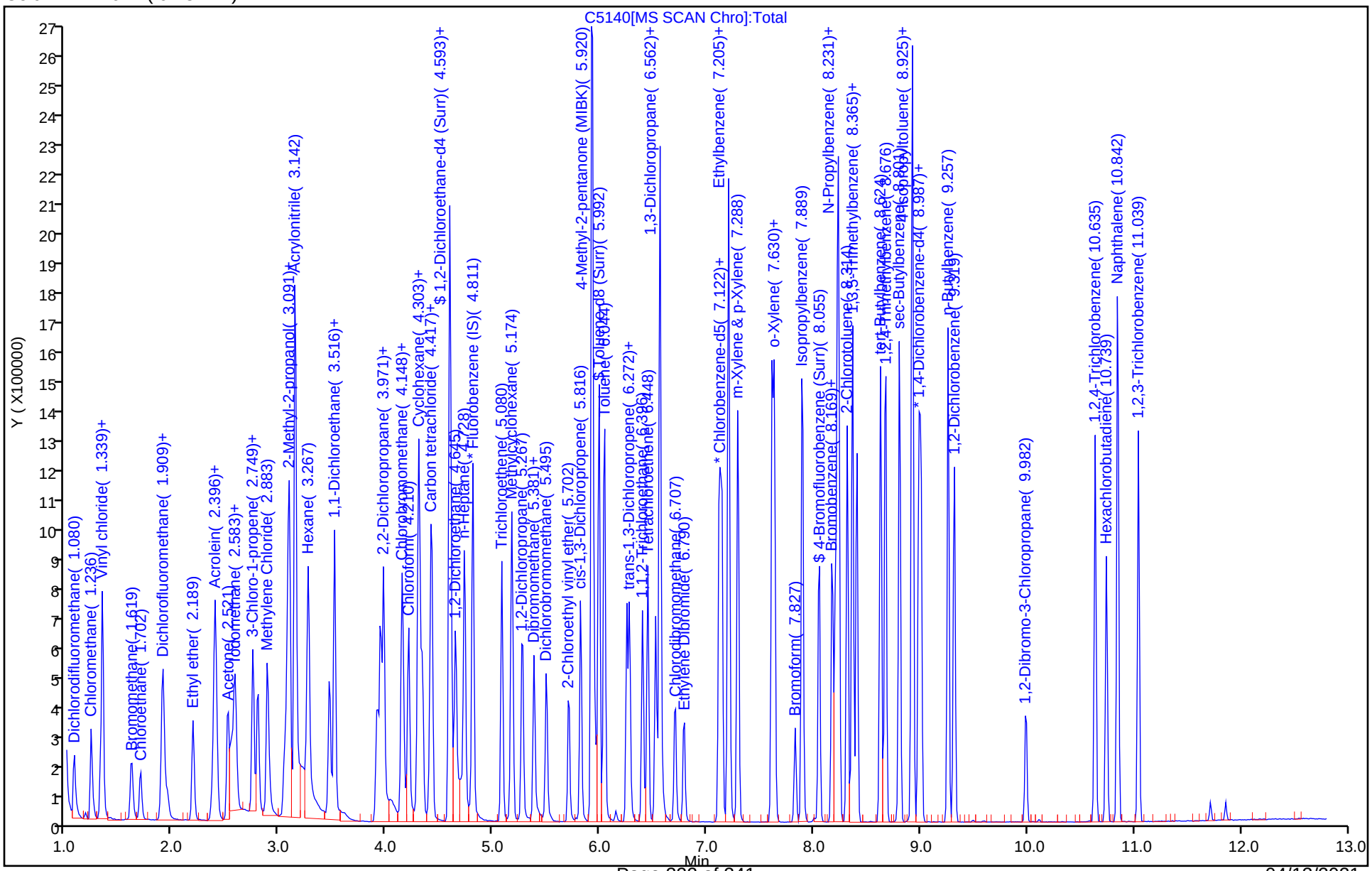
Report Date: 07-Apr-2021 11:05:40 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5140.D

Injection Date:	07-Apr-2021 10:13:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-26S MS Lab Sample ID: 480-182853-2 MS

Matrix: Water Lab File ID: C5163.D

Analysis Method: 8260C Date Collected: 04/05/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 19:27

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	606		20	16
79-34-5	1,1,2,2-Tetrachloroethane	523		20	4.2
79-00-5	1,1,2-Trichloroethane	539		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	596		20	6.2
75-34-3	1,1-Dichloroethane	583		20	7.6
75-35-4	1,1-Dichloroethene	584		20	5.8
120-82-1	1,2,4-Trichlorobenzene	529		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	511		20	7.8
106-93-4	1,2-Dibromoethane	537		20	15
95-50-1	1,2-Dichlorobenzene	534		20	16
107-06-2	1,2-Dichloroethane	557		20	4.2
78-87-5	1,2-Dichloropropane	567		20	14
541-73-1	1,3-Dichlorobenzene	512		20	16
106-46-7	1,4-Dichlorobenzene	504		20	17
591-78-6	2-Hexanone	2680		100	25
78-93-3	2-Butanone (MEK)	2820		200	26
108-10-1	4-Methyl-2-pentanone (MIBK)	2780		100	42
67-64-1	Acetone	3060		200	60
71-43-2	Benzene	568		20	8.2
75-27-4	Bromodichloromethane	571		20	7.8
75-25-2	Bromoform	589		20	5.2
74-83-9	Bromomethane	493		20	14
75-15-0	Carbon disulfide	589		20	3.8
56-23-5	Carbon tetrachloride	618		20	5.4
108-90-7	Chlorobenzene	557		20	15
124-48-1	Dibromochloromethane	592		20	6.4
75-00-3	Chloroethane	539		20	6.4
67-66-3	Chloroform	554		20	6.8
74-87-3	Chloromethane	566		20	7.0
156-59-2	cis-1,2-Dichloroethene	640		20	16
10061-01-5	cis-1,3-Dichloropropene	547		20	7.2
110-82-7	Cyclohexane	579		20	3.6
75-71-8	Dichlorodifluoromethane	544		20	14
100-41-4	Ethylbenzene	570		20	15
98-82-8	Isopropylbenzene	560		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-26S MS Lab Sample ID: 480-182853-2 MS

Matrix: Water Lab File ID: C5163.D

Analysis Method: 8260C Date Collected: 04/05/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 19:27

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	1160		50	26
1634-04-4	Methyl tert-butyl ether	579		20	3.2
108-87-2	Methylcyclohexane	568		20	3.2
75-09-2	Methylene Chloride	587		20	8.8
100-42-5	Styrene	544		20	15
127-18-4	Tetrachloroethene	1360		20	7.2
108-88-3	Toluene	562		20	10
156-60-5	trans-1,2-Dichloroethene	578		20	18
10061-02-6	trans-1,3-Dichloropropene	510		20	7.4
79-01-6	Trichloroethene	619		20	9.2
75-69-4	Trichlorofluoromethane	563		20	18
75-01-4	Vinyl chloride	546		20	18
1330-20-7	Xylenes, Total	1110		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
2037-26-5	Toluene-d8 (Surr)	106		80-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5163.D
Lims ID: 480-182853-B-2 MS
Client ID: MW-26S
Sample Type: MS
Inject. Date: 07-Apr-2021 19:27:30 ALS Bottle#: 28 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-182853-B-2 MS
Misc. Info.: 480-0097664-028
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Apr-2021 20:02:18 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: lapointec Date: 07-Apr-2021 20:02:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	146611	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	88	276860	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	294004	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	57	124696	25.0	26.7	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	691658	25.0	26.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	92	193917	25.0	25.9	
10 Dichlorodifluoromethane	85	1.080	1.070	0.010	99	267104	25.0	27.2	
12 Chloromethane	50	1.235	1.246	0.000	98	323616	25.0	28.3	
13 Vinyl chloride	62	1.329	1.329	0.000	98	275947	25.0	27.3	
14 Bromomethane	94	1.598	1.609	-0.011	92	138346	25.0	24.7	
15 Chloroethane	64	1.691	1.691	0.000	100	150879	25.0	26.9	
17 Trichlorofluoromethane	101	1.899	1.909	-0.010	78	317740	25.0	28.1	
21 112TCTFE	101	2.386	2.386	0.000	93	191442	25.0	29.8	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	98	192423	25.0	29.2	
23 Acetone	43	2.520	2.510	0.010	100	685183	125.0	153.1	
26 Carbon disulfide	76	2.583	2.583	0.000	99	665513	25.0	29.4	
27 Methyl acetate	43	2.790	2.790	0.000	99	617177	50.0	57.9	
30 Methylene Chloride	84	2.883	2.883	0.000	97	239115	25.0	29.3	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	99	696695	25.0	29.0	
34 trans-1,2-Dichloroethene	96	3.090	3.090	0.000	98	234657	25.0	28.9	
39 1,1-Dichloroethane	63	3.463	3.474	-0.001	97	400883	25.0	29.2	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	80	265499	25.0	32.0	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	100	988829	125.0	141.0	
50 Chloroform	83	4.210	4.220	0.000	94	382547	25.0	27.7	
52 Cyclohexane	56	4.303	4.303	0.000	92	402118	25.0	29.0	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	98	323021	25.0	30.3	
55 Carbon tetrachloride	117	4.417	4.417	0.000	97	258027	25.0	30.9	
57 Benzene	78	4.593	4.593	0.000	96	820593	25.0	28.4	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	312550	25.0	27.8	
62 Trichloroethene	95	5.080	5.080	0.000	96	232910	25.0	31.0	
64 Methylcyclohexane	83	5.173	5.173	0.000	94	358232	25.0	28.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63	5.267	5.267	0.000	95	206414	25.0	28.4	
68 Dichlorobromomethane	83	5.495	5.495	0.000	98	247014	25.0	28.5	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	94	285807	25.0	27.3	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	1866918	125.0	139.0	
74 Toluene	92	6.044	6.044	0.000	98	468924	25.0	28.1	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	94	243253	25.0	25.5	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	91	145542	25.0	26.9	
81 Tetrachloroethene	166	6.448	6.448	0.000	95	491101	25.0	68.0	
80 2-Hexanone	43	6.562	6.562	0.000	98	1169987	125.0	133.8	
83 Chlorodibromomethane	129	6.707	6.707	0.000	89	172177	25.0	29.6	
84 Ethylene Dibromide	107	6.790	6.790	0.000	99	186284	25.0	26.8	
87 Chlorobenzene	112	7.142	7.142	0.000	95	506545	25.0	27.8	
88 Ethylbenzene	91	7.205	7.205	0.000	98	882384	25.0	28.5	
90 m-Xylene & p-Xylene	106	7.287	7.288	0.000	96	339818		27.5	
91 o-Xylene	106	7.609	7.609	0.000	97	366132		28.2	
92 Styrene	104	7.629	7.629	0.000	96	549113	25.0	27.2	
95 Bromoform	173	7.826	7.826	0.000	96	109012	25.0	29.4	
94 Isopropylbenzene	105	7.888	7.888	-0.001	95	987331	25.0	28.0	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.199	0.000	96	290274	25.0	26.1	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	437969	25.0	25.6	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	438020	25.0	25.2	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	461943	25.0	26.7	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	86	74318	25.0	25.5	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	354688	25.0	26.5	
S 124 Xylenes, Total	1				0			55.7	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00205	Amount Added:	12.50	Units: uL	
GAS CORP mix_00449	Amount Added:	12.50	Units: uL	
C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent

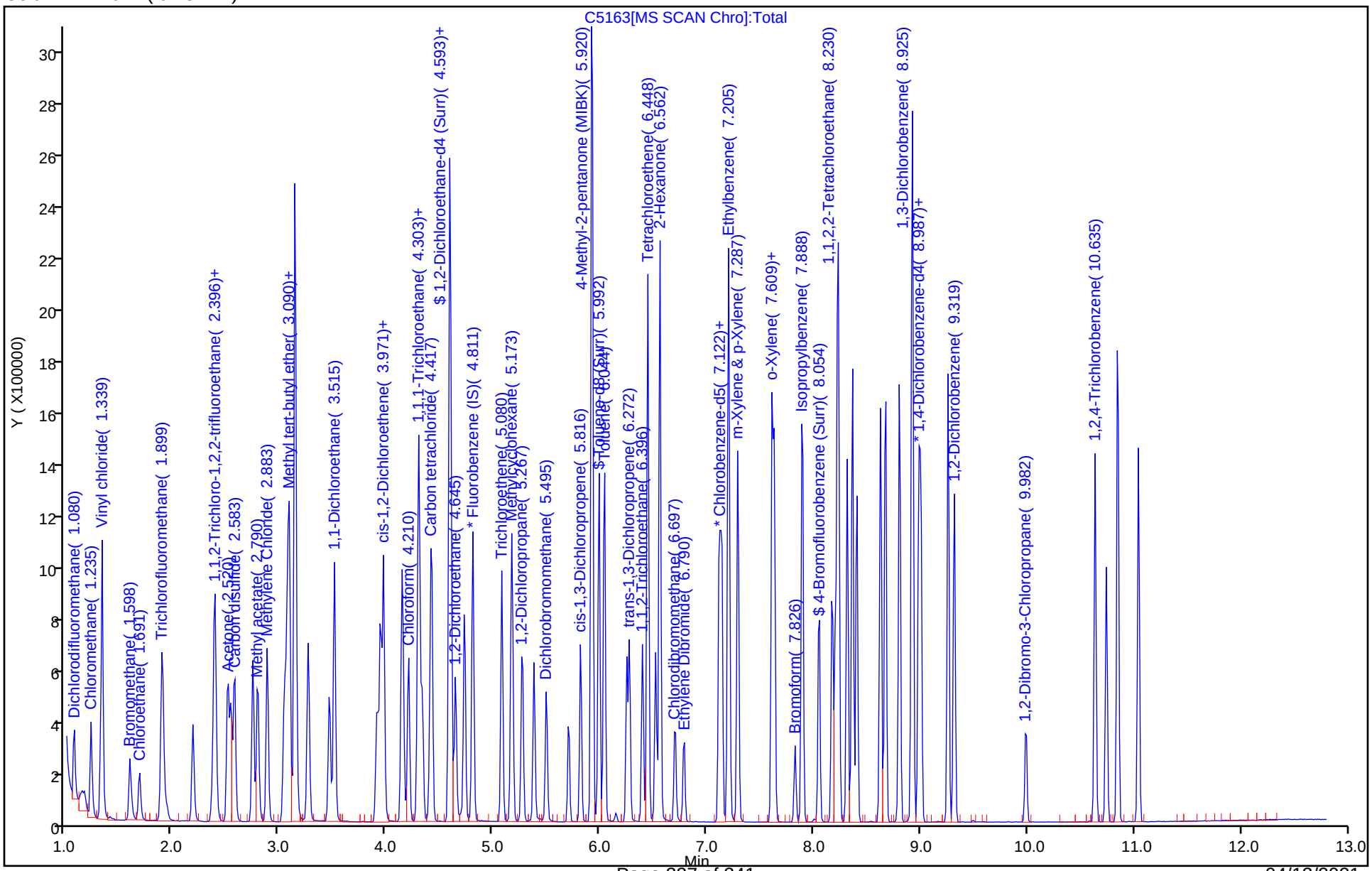
Report Date: 07-Apr-2021 20:02:45 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5163.D

Injection Date:	07-Apr-2021 19:27:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-182853-B-2 MS			Worklist Smp#:	28
Client ID:	MW-26S				
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	28
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-26S MSD Lab Sample ID: 480-182853-2 MSD

Matrix: Water Lab File ID: C5164.D

Analysis Method: 8260C Date Collected: 04/05/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 19:51

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	526		20	16
79-34-5	1,1,2,2-Tetrachloroethane	621		20	4.2
79-00-5	1,1,2-Trichloroethane	567		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne	514		20	6.2
75-34-3	1,1-Dichloroethane	531		20	7.6
75-35-4	1,1-Dichloroethene	500		20	5.8
120-82-1	1,2,4-Trichlorobenzene	527		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	580		20	7.8
106-93-4	1,2-Dibromoethane	574		20	15
95-50-1	1,2-Dichlorobenzene	566		20	16
107-06-2	1,2-Dichloroethane	514		20	4.2
78-87-5	1,2-Dichloropropane	542		20	14
541-73-1	1,3-Dichlorobenzene	569		20	16
106-46-7	1,4-Dichlorobenzene	556		20	17
591-78-6	2-Hexanone	2710		100	25
78-93-3	2-Butanone (MEK)	2650		200	26
108-10-1	4-Methyl-2-pentanone (MIBK)	2760		100	42
67-64-1	Acetone	2490		200	60
71-43-2	Benzene	524		20	8.2
75-27-4	Bromodichloromethane	557		20	7.8
75-25-2	Bromoform	617		20	5.2
74-83-9	Bromomethane	500		20	14
75-15-0	Carbon disulfide	504		20	3.8
56-23-5	Carbon tetrachloride	559		20	5.4
108-90-7	Chlorobenzene	565		20	15
124-48-1	Dibromochloromethane	618		20	6.4
75-00-3	Chloroethane	473		20	6.4
67-66-3	Chloroform	504		20	6.8
74-87-3	Chloromethane	509		20	7.0
156-59-2	cis-1,2-Dichloroethene	562		20	16
10061-01-5	cis-1,3-Dichloropropene	561		20	7.2
110-82-7	Cyclohexane	511		20	3.6
75-71-8	Dichlorodifluoromethane	468		20	14
100-41-4	Ethylbenzene	554		20	15
98-82-8	Isopropylbenzene	600		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Client Sample ID: MW-26S MSD Lab Sample ID: 480-182853-2 MSD

Matrix: Water Lab File ID: C5164.D

Analysis Method: 8260C Date Collected: 04/05/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2021 19:51

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 575330 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	1030		50	26
1634-04-4	Methyl tert-butyl ether	527		20	3.2
108-87-2	Methylcyclohexane	487		20	3.2
75-09-2	Methylene Chloride	504		20	8.8
100-42-5	Styrene	547		20	15
127-18-4	Tetrachloroethene	1330		20	7.2
108-88-3	Toluene	557		20	10
156-60-5	trans-1,2-Dichloroethene	502		20	18
10061-02-6	trans-1,3-Dichloropropene	566		20	7.4
79-01-6	Trichloroethene	570		20	9.2
75-69-4	Trichlorofluoromethane	463		20	18
75-01-4	Vinyl chloride	454		20	18
1330-20-7	Xylenes, Total	1070		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	109		80-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5164.D
Lims ID: 480-182853-B-2 MSD
Client ID: MW-26S
Sample Type: MSD
Inject. Date: 07-Apr-2021 19:51:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-182853-B-2 MSD
Misc. Info.: 480-0097664-029
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Apr-2021 18:05:36 Calib Date: 31-Mar-2021 19:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210331-97516.b\C4932.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1622

First Level Reviewer: lapointec Date: 07-Apr-2021 20:06:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	157516	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	287487	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	264463	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	72	127516	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	734475	25.0	27.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	90	210319	25.0	27.0	
10 Dichlorodifluoromethane	85	1.080	1.070	0.010	99	246854	25.0	23.4	
12 Chloromethane	50	1.235	1.235	0.000	99	312554	25.0	25.4	
13 Vinyl chloride	62	1.329	1.329	0.000	97	246371	25.0	22.7	
14 Bromomethane	94	1.609	1.609	0.000	91	150565	25.0	25.0	
15 Chloroethane	64	1.702	1.691	0.011	99	142478	25.0	23.7	
17 Trichlorofluoromethane	101	1.899	1.909	-0.010	70	280887	25.0	23.2	
21 112TCTFE	101	2.396	2.386	0.010	78	177556	25.0	25.7	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	96	177096	25.0	25.0	
23 Acetone	43	2.510	2.510	0.000	100	598456	125.0	124.5	
26 Carbon disulfide	76	2.583	2.583	0.000	99	612003	25.0	25.2	
27 Methyl acetate	43	2.790	2.790	0.000	99	590959	50.0	51.6	
30 Methylene Chloride	84	2.883	2.883	0.000	98	221338	25.0	25.2	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	97	680776	25.0	26.3	
34 trans-1,2-Dichloroethene	96	3.090	3.090	0.000	98	218946	25.0	25.1	
39 1,1-Dichloroethane	63	3.464	3.464	0.000	97	392426	25.0	26.6	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	80	250362	25.0	28.1	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	99	998809	125.0	132.6	
50 Chloroform	83	4.210	4.210	0.000	94	373539	25.0	25.2	
52 Cyclohexane	56	4.303	4.303	0.000	94	381029	25.0	25.5	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	99	301192	25.0	26.3	
55 Carbon tetrachloride	117	4.417	4.417	0.000	97	250819	25.0	27.9	
57 Benzene	78	4.593	4.593	0.000	96	814105	25.0	26.2	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	96	309878	25.0	25.7	
62 Trichloroethene	95	5.080	5.080	0.000	97	230444	25.0	28.5	
64 Methylcyclohexane	83	5.173	5.173	0.000	94	330001	25.0	24.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63	5.267	5.267	0.000	95	212056	25.0	27.1	
68 Dichlorobromomethane	83	5.495	5.495	0.000	99	258783	25.0	27.8	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	95	314807	25.0	28.0	
73 4-Methyl-2-pentanone (MIBK)	43	5.930	5.920	0.010	97	1923845	125.0	138.0	
74 Toluene	92	6.044	6.044	0.000	98	481978	25.0	27.8	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	95	280244	25.0	28.3	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	92	158980	25.0	28.3	
81 Tetrachloroethene	166	6.448	6.448	0.000	95	497631	25.0	66.4	
80 2-Hexanone	43	6.562	6.562	0.000	97	1230310	125.0	135.5	
83 Chlorodibromomethane	129	6.707	6.707	0.000	91	186490	25.0	30.9	
84 Ethylene Dibromide	107	6.790	6.790	0.000	99	206750	25.0	28.7	
87 Chlorobenzene	112	7.142	7.142	0.000	96	533923	25.0	28.3	
88 Ethylbenzene	91	7.205	7.205	0.000	98	891108	25.0	27.7	
90 m-Xylene & p-Xylene	106	7.287	7.287	0.000	96	349643		27.3	
91 o-Xylene	106	7.609	7.609	0.000	98	356630		26.5	
92 Styrene	104	7.629	7.629	0.000	96	573252	25.0	27.4	
95 Bromoform	173	7.826	7.826	0.000	96	118693	25.0	30.9	
94 Isopropylbenzene	105	7.889	7.889	0.000	95	951046	25.0	30.0	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.199	0.000	96	310000	25.0	31.0	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	437911	25.0	28.5	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	434345	25.0	27.8	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	440700	25.0	28.3	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	85	75881	25.0	29.0	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	317560	25.0	26.3	
S 124 Xylenes, Total	1				0			53.7	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00205	Amount Added:	12.50	Units: uL	
GAS CORP mix_00449	Amount Added:	12.50	Units: uL	
C_8260_Surr_00170	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00153	Amount Added:	2.00	Units: uL	Run Reagent

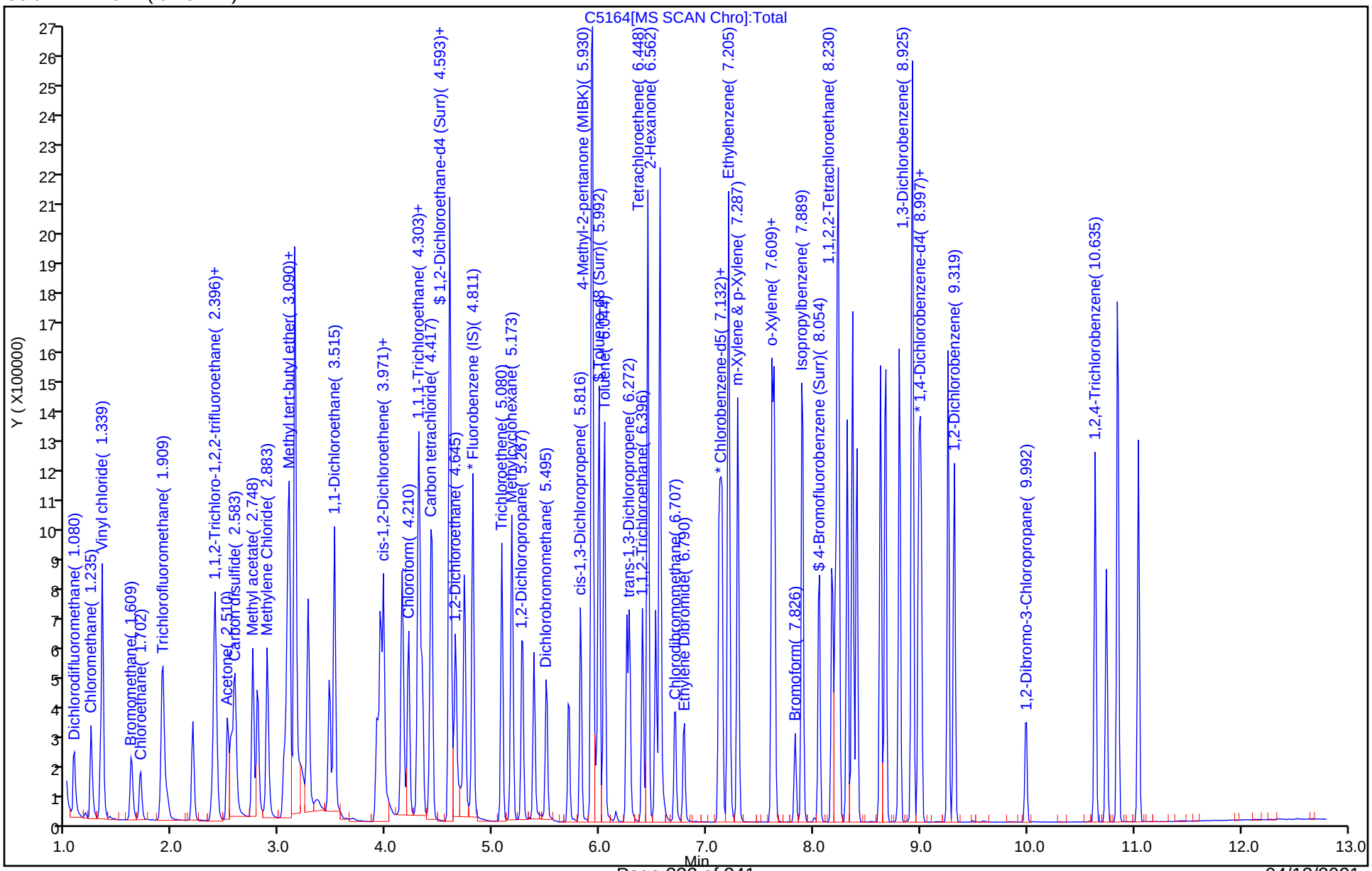
Report Date: 07-Apr-2021 20:06:36 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210407-97664.b\C5164.D

Injection Date:	07-Apr-2021 19:51:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-182853-B-2 MSD			Worklist Smp#:	29
Client ID:	MW-26S				
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	29
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Instrument ID: HP5973C Start Date: 03/31/2021 11:06

Analysis Batch Number: 574503 End Date: 03/31/2021 20:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-574503/3		03/31/2021 11:06	1	C4912.D	ZB-624 (20) 0.18(mm)
IC 480-574503/5		03/31/2021 11:52	1	C4914.D	ZB-624 (20) 0.18(mm)
IC 480-574503/6		03/31/2021 12:16	1	C4915.D	ZB-624 (20) 0.18(mm)
IC 480-574503/7		03/31/2021 12:40	1	C4916.D	ZB-624 (20) 0.18(mm)
IC 480-574503/8		03/31/2021 13:05	1	C4917.D	ZB-624 (20) 0.18(mm)
IC 480-574503/9		03/31/2021 13:28	1	C4918.D	ZB-624 (20) 0.18(mm)
ICIS 480-574503/10		03/31/2021 13:52	1	C4919.D	ZB-624 (20) 0.18(mm)
IC 480-574503/11		03/31/2021 14:16	1	C4920.D	ZB-624 (20) 0.18(mm)
IC 480-574503/12		03/31/2021 14:40	1	C4921.D	ZB-624 (20) 0.18(mm)
MDLV 480-574503/14		03/31/2021 15:27	1		ZB-624 (20) 0.18(mm)
MDLV 480-574503/15		03/31/2021 15:51	1		ZB-624 (20) 0.18(mm)
IC 480-574503/17		03/31/2021 16:39	1		ZB-624 (20) 0.18(mm)
IC 480-574503/18		03/31/2021 17:03	1		ZB-624 (20) 0.18(mm)
IC 480-574503/19		03/31/2021 17:27	1		ZB-624 (20) 0.18(mm)
IC 480-574503/20		03/31/2021 17:51	1		ZB-624 (20) 0.18(mm)
IC 480-574503/21		03/31/2021 18:15	1		ZB-624 (20) 0.18(mm)
IC 480-574503/22		03/31/2021 18:39	1		ZB-624 (20) 0.18(mm)
IC 480-574503/23		03/31/2021 19:03	1		ZB-624 (20) 0.18(mm)
MDLV 480-574503/25		03/31/2021 19:51	1		ZB-624 (20) 0.18(mm)
ICV 480-574503/26		03/31/2021 20:15	1	C4935.D	ZB-624 (20) 0.18(mm)
ICV 480-574503/27		03/31/2021 20:39	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Instrument ID: HP5973C Start Date: 04/07/2021 09:00

Analysis Batch Number: 575330 End Date: 04/07/2021 19:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-575330/2		04/07/2021 09:00	1	C5137.D	ZB-624 (20) 0.18(mm)
CCVIS 480-575330/3		04/07/2021 09:25	1	C5138.D	ZB-624 (20) 0.18(mm)
CCV 480-575330/4		04/07/2021 09:49	1		ZB-624 (20) 0.18(mm)
LCS 480-575330/5		04/07/2021 10:13	1	C5140.D	ZB-624 (20) 0.18(mm)
MB 480-575330/7		04/07/2021 11:00	1	C5142.D	ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 11:32	5		ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 11:55	1		ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 12:19	1		ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 12:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 13:07	1		ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 13:31	1		ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 13:54	1		ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 14:18	1		ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 14:42	1		ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 15:06	1		ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 15:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 15:53	1		ZB-624 (20) 0.18(mm)
ZZZZZ		04/07/2021 16:19	1		ZB-624 (20) 0.18(mm)
480-182853-1	MW-25S	04/07/2021 16:43	8	C5156.D	ZB-624 (20) 0.18(mm)
480-182853-2	MW-26S	04/07/2021 17:06	20	C5157.D	ZB-624 (20) 0.18(mm)
480-182853-3	MW-27S	04/07/2021 17:30	1	C5158.D	ZB-624 (20) 0.18(mm)
480-182853-4	MW-24D	04/07/2021 17:53	8	C5159.D	ZB-624 (20) 0.18(mm)
480-182853-5	MW-23D	04/07/2021 18:17	1	C5160.D	ZB-624 (20) 0.18(mm)
480-182853-6	DUP	04/07/2021 18:40	8	C5161.D	ZB-624 (20) 0.18(mm)
480-182853-7	TRIP BLANK	04/07/2021 19:04	1	C5162.D	ZB-624 (20) 0.18(mm)
480-182853-2 MS	MW-26S MS	04/07/2021 19:27	20	C5163.D	ZB-624 (20) 0.18(mm)
480-182853-2 MSD	MW-26S MSD	04/07/2021 19:51	20	C5164.D	ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Batch Number: 574503 Batch Start Date: 03/31/21 11:06 Batch Analyst: Farrell, Ryan J

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00205	BFB_WRK 00118	C_8260_IS 00153	C_8260_Surr 00170
BFB 480-574503/3		8260C		1 uL	1 uL		1 uL		
IC 480-574503/5		8260C		5 mL	5 mL	0.4 uL		2 uL	2 uL
IC 480-574503/6		8260C		5 mL	5 mL	1 uL		2 uL	2 uL
IC 480-574503/7		8260C		5 mL	5 mL	2 uL		2 uL	2 uL
IC 480-574503/8		8260C		5 mL	5 mL	5 uL		2 uL	2 uL
IC 480-574503/9		8260C		5 mL	5 mL	5 uL		2 uL	2 uL
ICIS 480-574503/10		8260C		5 mL	5 mL	12.5 uL		2 uL	2 uL
IC 480-574503/11		8260C		5 mL	5 mL	25 uL		2 uL	2 uL
IC 480-574503/12		8260C		5 mL	5 mL	50 uL		2 uL	2 uL
ICV 480-574503/26		8260C		5 mL	5 mL			2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00448	SS 8260 CORP 00091	SS GAS CORP 00397			
BFB 480-574503/3		8260C							
IC 480-574503/5		8260C		0.4 uL					
IC 480-574503/6		8260C		1 uL					
IC 480-574503/7		8260C		2 uL					
IC 480-574503/8		8260C		5 uL					
IC 480-574503/9		8260C		5 uL					
ICIS 480-574503/10		8260C		12.5 uL					
IC 480-574503/11		8260C		25 uL					
IC 480-574503/12		8260C		50 uL					
ICV 480-574503/26		8260C			12.5 uL	12.5 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Batch Number: 574503 Batch Start Date: 03/31/21 11:06 Batch Analyst: Farrell, Ryan J

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Batch Number: 575330 Batch Start Date: 04/07/21 09:00 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00205	BFB_WRK 00119	C_8260_IS 00153
BFB 480-575330/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-575330/3		8260C		5 mL	5 mL		12.5 uL		2 uL
LCS 480-575330/5		8260C		5 mL	5 mL		12.5 uL		2 uL
MB 480-575330/7		8260C		5 mL	5 mL				2 uL
480-182853-B-1	MW-25S	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-182853-B-2	MW-26S	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-182853-B-3	MW-27S	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-182853-B-4	MW-24D	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-182853-B-5	MW-23D	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-182853-B-6	DUP	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-182853-B-7	TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-182853-B-2 MS	MW-26S	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		2 uL
480-182853-B-2 MSD	MW-26S	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	C_8260_Surr 00170	GAS CORP mix 00449	AnalysisComment			
BFB 480-575330/2		8260C							
CCVIS 480-575330/3		8260C		2 uL	12.5 uL				
LCS 480-575330/5		8260C		2 uL	12.5 uL				
MB 480-575330/7		8260C		2 uL					
480-182853-B-1	MW-25S	8260C	T	2 uL					
480-182853-B-2	MW-26S	8260C	T	2 uL					
480-182853-B-3	MW-27S	8260C	T	2 uL					
480-182853-B-4	MW-24D	8260C	T	2 uL					
480-182853-B-5	MW-23D	8260C	T	2 uL					
480-182853-B-6	DUP	8260C	T	2 uL					
480-182853-B-7	TRIP BLANK	8260C	T	2 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-182853-1

SDG No.:

Batch Number: 575330 Batch Start Date: 04/07/21 09:00 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	C_8260_Surr 00170	GAS CORP mix 00449	AnalysisComment			
480-182853-B-2 MS	MW-26S	8260C	T	2 uL	12.5 uL	Client QC			
480-182853-B-2 MSD	MW-26S	8260C	T	2 uL	12.5 uL	Client QC			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

NYSDEC 250 Franklin Street - Offsite, Site #C915208A

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 495 Aero Drive, Cheektowaga, NY 14225 **Project Manager:** Thomas Palmer **Phone #:** 800-287-7857 **Email:** tpalmer@gesonline.com **Fax #:** 866-902-2187	**Project Name:** NYSDEC/Buffalo/NY/FranklinSt/275OFFSITE **Project Address:** 250 Franklin St, Buffalo, NY **Project PSID #:** 860497	**NYSDEC Region 8** **NYSDEC Project Manager:** Meghan Kucza **Phone #:** 716-851-7200 **Invoice Instructions** **NYSDEC Site No. C915208A** **Lab Project Manager:** Orlette Johnson

Sampler(s) Name:	Sampler(s) Name:

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	Methanol	ENCORE	Amber	REQUESTED ANALYSIS (see Test Code sheet): TCL VOCs via Method 8260	LAB USE ONLY
	MW-25S	NA	4-5-21	1015	PC	GW	3										X	
	MW-26S	NA	"	0900	"	GW	"										X	
	MW-27S	NA	"	1105	"	GW	"										X	
	MW-24D	NA	"	1360	"	GW	"										X	
	MW-23D	NA	"	1240	"	GW	"										X	
	DUP	NA	"	"	"	GW	"										X	
	Trip Blank	NA	"	"	"	GW	"										X	
	MS/MSD	NA	"	0900	"	GW	6										X	

480-182853 Chain of Custody

Turnaround Time (Business Days) **Approved By (Lab PM) / Date**

- ☐ Standard ____/____
- ☐ 1 day RUSH ____/____
- ☑ Other ~~14 day TA~~ ____/____

Laboratory Information

Lab: TestAmerica Buffalo
Address: 10 Hazelwood Drive, Amherst, NY 14228-2298
Phone: 716-691-2600
Lab PM: Orlette Johnson 484-685-0864
Lab PM Email: orlette.johnson@testamericainc.com

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☑ EQEDD (for GES)
- ☑ NYDEC EDD (for NYSDEC)

Please Email the EQ EDD Package to ges@equisonline.com
EQEDD Name: NYSDEC/Buffalo/NY/Franklin Street/250_LabReport#.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.		
Relinquished By Sampler: 1	Date / Time: 1 4-6-21 0820	Received By: 1
Relinquished By : 2	Date / Time: 2	Received By: 2
Relinquished By :	Date / Time: 3	Received By: 3
Custody Seal Number: ☐ Intact ☐ Not Intact	☐ Preserved where applicable ☐ On Ice	Cooler Temp

Temp 3.8 # 1 ICE

04/13/2021

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-182853-1

Login Number: 182853 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Kolb, Chris M

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

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Franklin Street	**Tubing Diameter (ID):**	1/4
Project #:	0901718	**Initial Depth to Water (ft, TOC)**	11.45
Date:	4-5-21	**Depth to Bottom of Well (ft, TOC)**	48.00
Sampling Device:	Peri Pump	**Feet of Water in Well (ft)**	
Well ID:	MW-24D	**Volume of Water in Well (gal)**	

Meter(s): YSI DDS Pro 45600

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)
1250	11.50	13.4	7.68	1.902	105.0	4.45	13.78
1255	11.50	13.6	7.56	1.911	97.3	3.88	19.89
1300		13.7	7.55	1.912	90.7	3.80	20.41
1305		13.7	7.47	1.896	-38.2	2.30	43.15
1310		13.7	7.44	1.894	-57.0	1.92	73.91
1315		13.7	7.43	1.930	-71.7	1.84	93.91
1320		13.7	7.39	2.012	-90.3	0.49	100.04
1325		13.7	7.37	2.000	-98.3	.36	110.90
1330		13.7	7.37	1.998	-98.5	.34	114.74
1335		13.8	7.37	1.985	-101.8	.30	189.17
1340		13.8	7.36	1.979	-103.5	.21	189.21
1345		13.8	7.36	1.979	-103.5	.21	189.27
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time: 1245
Purge End Time: 1345
Weather: 50° Clear
Purge/Sampled by: PC

Notes: 1350 Sample Time 5 gal purged

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Franklin Street	**Tubing Diameter (ID):**	1/4
Project #:	0901718	**Initial Depth to Water (ft, TOC)**	11.85
Date:	4-5-21	**Depth to Bottom of Well (ft, TOC)**	46.80
Sampling Device:	Peri Pump	**Feet of Water in Well (ft)**	
Well ID:	MW-23D	**Volume of Water in Well (gal)**	

Meter(s): YSI DPS P10 45600

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	
1135	11.85	12.3	7.86	1.806	140.8	7.04	11.20	
1140		13.0	7.14	1.818	119.9	7.13	100.27	
1145		13.1	7.52	1.822	116.7	7.11	100.27	
1150		13.1	7.47	1.822	109.2	6.73	127.21	
1155		13.2	7.47	1.823	109.0	6.90	138.62	
1200		13.3	7.35	1.842	94.5	3.42	352.71	
1205		13.3	7.35	1.843	94.1	3.12	360.17	
1210		13.4	7.32	1.847	88.4	2.65	382.17	
1215		13.5	7.31	1.849	86.4	2.22	269.04	5gal
1220		13.6	7.30	1.859	87.4	1.858	141.27	
1225		13.5	7.29	1.855	88.8	2.05	29.05	
1230		13.5	7.29	1.855	88.9	2.13	29.27	
1235		13.5	7.29	1.855	88.7	2.12	29.27	
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU	

Purge Start Time: 1130
Purge End Time: 1235
Weather: 50° Clear
Purge/Sampled by: PC

Notes: 1240 Sample Time 7 gal purged

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Franklin Street	**Tubing Diameter (ID):**	1/4
Project #:	0901718	**Initial Depth to Water (ft, TOC)**	12.70
Date:	4-5-21	**Depth to Bottom of Well (ft, TOC)**	18.30
Sampling Device:	Peri Pump	**Feet of Water in Well (ft)**	
Well ID:	MW-25S	**Volume of Water in Well (gal)**	

Meter(s): YSI DO5 Pro 45600

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)
0915	12.75	12.3	7.01	3.056	152.7	3.90	94.12
0920	12.75	12.1	7.37	3.277	129.4	1.70	21.91
0925	12.75	12.3	7.37	3.286	124.0	1.54	22.90
0930	|	12.4	7.37	3.242	114.8	.98	36.18
0935	|	12.5	7.38	3.165	104.6	.72	46.17
0940	|	12.5	7.38	3.119	100.1	.61	59.11
0945	|	12.3	7.39	3.086	96.5	.52	72.17
0950	|	12.3	7.39	3.064	91.3	.43	72.17
0955	|	12.4	7.38	3.070	90.3	.43	85.22
1000	|	12.4	7.38	3.055	87.4	.45	80.91
1005	|	12.4	7.38	3.051	87.2	.43	80.71
1010	|	12.4	7.38	3.057	86.1	.45	80.92
1015	—	12.4	7.38	3.054	88.9	.45	80.81
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time:	0915	Notes:	1015 Sample Time 4.5 gal purged
Purge End Time:	1015		
Weather:	500 Clear		Dup collected
Purge/Sampled by:	PC		

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Franklin Street	**Tubing Diameter (ID):**	1/4
Project #:	0901718	**Initial Depth to Water (ft, TOC)**	13.01
Date:	4-5-21	**Depth to Bottom of Well (ft, TOC)**	18.39
Sampling Device:	~~Low~~ Peri Pump	**Feet of Water in Well (ft)**	5.92
Well ID:	MW-26S	**Volume of Water in Well (gal)**	.88gal

Meter(s): YSI DDS Pro 45600

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)
0740	13.12	9.5	8.45	3222	85.6	3.00	729.2
0745	13.21	12.3	7.59	3.504	101.6	3.33	48.80
0750	13.12	12.4	7.52	3.488	105.2	2.95	30.71
0755	13.12	11.9	7.49	3.405	107.6	2.70	14.01
0800	13.12	12.1	7.47	3.435	107.9	2.75	16.75
0806	13.12	12.4	7.45	3.451	107.5	2.64	7.77
0810	13.21	12.5	7.45	3.467	107.0	2.68	8.31
0815	|	12.6	7.44	3.466	104.8	2.44	4.25
0820	|	12.6	7.43	3.458	104.1	2.39	5.38
0825	|	12.7	7.43	3.460	103.5	2.30	26.15
0830	|	12.7	7.43	3.460	101.0	2.31	10.71
0835	|	12.7	7.42	3.460	104.1	2.17	2318.00
0840	|	12.7	7.43	3.419	109.4	2.34	270.99
0845	|	12.7	7.42	3.452	102.4	2.20	30.17
0850	—	12.7	7.42	3.457	102.1	2.19	30.27
0855	|	12.7	7.42	3.457	102.4	2.19	30.19
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time: 0740
Purge End Time: 0855
Weather: 50° Clear
Purge/Sampled by: PC

Notes: 0900 Sample Time 4.5 gal purged
MS / MSD collected

WELL PURGING RECORD
LOW-FLOW SAMPLING METHOD

Site:	NYSDEC Franklin Street	**Tubing Diameter (ID):**	1/4
Project #:	0901718	**Initial Depth to Water (ft, TOC)**	13.73
Date:	4-5-21	**Depth to Bottom of Well (ft, TOC)**	18.40
Sampling Device:	Peri Pump	**Feet of Water in Well (ft)**	
Well ID:	MW-27S	**Volume of Water in Well (gal)**	

Meter(s): YSI DDS Pro 45600

Time	Depth to Water (ft, TOC)	Temperature (°C)	pH	Specific Conductance (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)
1035	13.80	12.1	7.71	3.200	107.1	4.51	143.99
1040	13.80	12.0	7.41	3.124	116.4	3.94	134.02
1045	13.80	12.0	7.41	3.119	116.7	3.93	103.72
1050	13.80	12.0	7.39	3.131	118.7	3.86	130.21
1055	13.86	11.9	7.38	3.148	120.52	4.04	100.21
1100	13.80	11.9	7.38	3.134	120.9	4.03	100.84
1105	13.80	12.0	7.37	3.135	123.2	4.00	100.61
		±3%	±0.1	±3%	±10mV	±10% or <0.5mg/L	±10% or <5NTU

Purge Start Time: 1035
Purge End Time: 1105
Weather: 60° Clear
Purge/Sampled by: RC

Notes: 1105 Sample Time 2.5 gal purged

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

NYSDEC 250 Franklin Street - Offsite, Site #C915208A

PAGE 1 OF 1

FED-EX Tracking #:

Bottle Order Control #:

Lab Quote #:

Lab Job #:

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 495 Aero Drive, Cheektowaga, NY 14225 **Project Manager:** Thomas Palmer **Phone #:** 800-287-7857 **Email:** tpalmer@gesonline.com **Fax #:** 866-902-2187	**Project Name:** NYSDEC/Buffalo/NY/FranklinSt/275OFFSITE **Project Address:** 250 Franklin St, Buffalo, NY **Project PSID #:** 860497	**NYSDEC Region 8** **NYSDEC Project Manager:** Meghan Kucza **Phone #:** 716-851-7200 **Invoice Instructions** **NYSDEC Site No. C915208A** **Lab Project Manager:** Orlette Johnson

Sampler(s) Name:

Sampler(s) Name:

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	Methanol	ENCORE	Amber	REQUESTED ANALYSIS (see Test Code sheet): TCL VOCs via Method 8260	LAB USE ONLY
	MW-25S	NA	4-5-21	1015	PC	GW	3										X	
	MW-26S	NA		0900		GW											X	
	MW-27S	NA		1105		GW											X	
	MW-24D	NA		1350		GW											X	
	MW-23D	NA		1240		GW											X	
	DUP	NA		—		GW											X	
	Trip Blank	NA	—	—		GW											X	
	MS/MSD	NA	—	0900		GW	6										X	
																	X	

Turnaround Time (Business Days) — **Approved By (Lab PM) / Date**

- ☐ Standard ____/____
- ☐ 1 day RUSH ____/____
- ☑ Other 14 day TA ____/____

Laboratory Information

Lab: TestAmerica Buffalo
Address: 10 Hazelwood Drive, Amherst, NY 14228-2298
Phone: 716-691-2600
Lab PM: Orlette Johnson 484-685-0864
Lab PM Email: orlette.johnson@testamericainc.com

Please Email the EQ EDD Package to ges@equisonline.com
EQEDD Name: NYSDEC/Buffalo/NY/Franklin Street/250_LabReport#.EQEDD.zip

Data Deliverable Information

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B' (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☑ EQEDD (for GES)
- ☑ NYDEC EDD (for NYSDEC)

Sample Custody must be documented below each time samples change possession, including courier.

	Date / Time:	Received By:
1 Relinquished By Sampler:	1 4-6-21 0820	1
2 Relinquished By :	2	2
3 Relinquished By :	3	3

Custody Seal Number: ☐ Intact ☐ Not Intact ☐ Preserved where applicable ☐ On Ice Cooler Temp

APPENDIX E

DATA USABILITY SUMMARY REPORTS

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
harry@frontiernet.net

April 26, 2021

Charlotte Clark
Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike
Buffalo, NY 14218

RE: Validation of the 275 Franklin Street Site Analytical Laboratory Data
Data Usability Summary Report (DUSR)
Alpha SDG Nos. L2050514 and L2116487

Dear Ms. Clark:

Review has been completed for the data packages generated by Alpha Analytical laboratory that pertain to samples collected 11/13/20 and 04/01/21 at the 275 Franklin Street site. In each of the two events, eleven aqueous samples, a field duplicate, and a trip blank were processed for TCL volatiles by USEPA SW846 method 8260C.

The data packages submitted by the laboratory contain full deliverables for validation, and this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents and the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Blind Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B Section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, most of the results for the samples are usable either as reported or with minor qualification. However, the results for 1,4-dioxane in all samples are rejected and not usable due to limitations of the methodology

Data completeness, sensitivity, representativeness, reproducibility, and comparability are acceptable. Accuracy and precision was acceptable for the November event, but the matrix was not evaluated in the April event.

Validation qualifier definitions and client sample identifications are attached to this text. Also included in this report are the laboratory EDDs with recommended qualifiers/edits applied in red.

Chain-of-Custody/Sample Receipt

The same sample client identifications were utilized for both events. They are distinguished parenthetically within this report.

No collection time was entered on the custody form for MW-24D and MW-24S (both 04/01/21). The times were present on the container labels.

Blind Field Duplicate

The blind field duplicate evaluations were performed on MW-23S (11/13/20) and MW-5R (04/01/21). Correlations are within validation guidelines.

TCL Volatile Analyses by EPA 8260C

The results for 1,4-dioxane in the samples are rejected due to very poor calibration standard instrument response inherent in the methodology. The remaining calibration standard responses are within validation guidelines, with the following exceptions, results for which have been qualified in the indicated associated samples:

- 1,2,3-Trichlorobenzene (29%D) in samples PZ-6, PZ-5, PZ-4R, PZ-13, PZ-14, PZ-12, MW-5R, BLIND DUP, and TRIP BLANK (these from November)
- Bromomethane (28%D and 34%D) in samples PZ-11, MW-24S, MW-24D, MW-23S (these from November), and in all of the samples collected in April.

The matrix spikes of MW-5R (11/13/20) show recoveries and duplicate correlations that are within validation guidelines, with the exception of the recoveries for 1,2,3-trichlorobenzene (64% and 66%). The result for that analyte in that parent sample has been qualified as estimated, with a low bias. No matrix spikes were submitted or processed with the samples collected in April.

Holding times were met. Surrogate and internal standard recoveries are compliant. Blanks show no contamination.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Judy Harry

Attachments: Validation Qualifier Definitions
Sample Identifications
Qualified Laboratory EQuIS EDDs

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Sample Summaries

Project Name: 275 FRANKLIN ST SITE
Project Number: B0156-020-001

Lab Number: L2050514
Report Date: 11/20/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2050514-01	PZ-6	WATER	275 FRANKLIN ST.	11/13/20 09:00	11/13/20
L2050514-02	PZ-5	WATER	275 FRANKLIN ST.	11/13/20 09:40	11/13/20
L2050514-03	PZ-4R	WATER	275 FRANKLIN ST.	11/13/20 12:40	11/13/20
L2050514-04	PZ-13	WATER	275 FRANKLIN ST.	11/13/20 11:20	11/13/20
L2050514-05	PZ-14	WATER	275 FRANKLIN ST.	11/13/20 10:20	11/13/20
L2050514-06	PZ-11	WATER	275 FRANKLIN ST.	11/13/20 11:40	11/13/20
L2050514-07	PZ-12	WATER	275 FRANKLIN ST.	11/13/20 12:15	11/13/20
L2050514-08	MW-5R	WATER	275 FRANKLIN ST.	11/13/20 10:05	11/13/20
L2050514-09	MW-24S	WATER	275 FRANKLIN ST.	11/13/20 11:35	11/13/20
L2050514-10	MW-24D	WATER	275 FRANKLIN ST.	11/13/20 12:30	11/13/20
L2050514-11	MW-23S	WATER	275 FRANKLIN ST.	11/13/20 13:35	11/13/20
L2050514-12	BLIND DUP	WATER	275 FRANKLIN ST.	11/13/20 08:00	11/13/20
L2050514-13	TRIP BLANK	WATER	275 FRANKLIN ST.	11/13/20 08:00	11/13/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2116487-01	PZ-4R	WATER	BUFFALO NY	04/01/21 07:50	04/01/21
L2116487-02	MW-5R	WATER	BUFFALO NY	04/01/21 10:05	04/01/21
L2116487-03	PZ-5	WATER	BUFFALO NY	04/01/21 09:00	04/01/21
L2116487-04	PZ-6	WATER	BUFFALO NY	04/01/21 08:30	04/01/21
L2116487-05	PZ-11	WATER	BUFFALO NY	04/01/21 10:40	04/01/21
L2116487-06	PZ-12	WATER	BUFFALO NY	04/01/21 11:05	04/01/21
L2116487-07	PZ-13	WATER	BUFFALO NY	04/01/21 10:05	04/01/21
L2116487-08	PZ-14	WATER	BUFFALO NY	04/01/21 09:45	04/01/21
L2116487-09	MW-24S	WATER	BUFFALO NY	04/01/21 11:15	04/01/21
L2116487-10	MW-24D	WATER	BUFFALO NY	04/01/21 12:15	04/01/21
L2116487-11	MW-23S	WATER	BUFFALO NY	04/01/21 13:00	04/01/21
L2116487-12	BLINDDUP	WATER	BUFFALO NY	04/01/21 08:00	04/01/21
L2116487-13	TRIP BLANK	WATER	BUFFALO NY	04/01/21 09:00	04/01/21

RemVēr

Quality Assessment
Data Usability Summary Report

			RemVēr Project #2021GE51 Client Project #0901718-02-840
Site:	275 Franklin St. Buffalo, NY	**Site #:**	C915208A
Client:	NYSDEC via GES, Inc.	**Site Owner:**	–N/A–
Sample Delivery Groups (SDGs)	See Table #1		
Sample Matrix:	☐ Drinking water ☒ Groundwater ☐ Surface water ☐ Soil ☐ Sediment ☐ Air ☐ Biota (tissue, type: _____) ☐ Other: _____		

Introduction

Groundwater & Environmental Services (GES) contracted RemVēr to perform a data quality assessment (DQA) on analytical laboratory data of groundwater samples. Eurofins/Test America (E/TA) reports data in separate Sample Delivery Groups (SDGs, see Table 1). Table 2 provides a cross-list of the samples associated with each SDG.

A DQA is an evaluation of the performance of analytical procedures and quality of the resulting data. Following the requirements of the New York State Department of Environmental Conservation (NYSDEC) Data Usability Summary Report (DUSR) guidelines for an Analytical Services Protocol (ASP) Category B Data Deliverable, RemVēr prepared a separate DQA/DUSR sub-report for each SDG, evaluating the performance of the analytical procedures and the quality of the resulting data. Each sub-report includes a narrative discussion of qualified sample, a DQA Detail Worksheet, and a Non-Conformance Summary Worksheet describing the final reported qualification flags applied to the data during the DQA. Additionally, one validated EXCEL electronic data deliverable (EDD) is included with this deliverable for each SDG discussed herein.

Intended Use of Data Under Review

NYSDEC contracted GES to perform a groundwater monitoring event at the referenced site. The monitoring event's (April 2021) purpose was to update the existing groundwater dataset with current conditions related to specific analytes, namely, the volatile organic compounds (VOCs).

Significant Data Usability Issues

RemVer rejected no results, and the data are acceptable for use. Certain results may have flagged analytes indicating non-detection or quality issues arising from sample handling, laboratory accuracy, or precision issues. Please refer to the individual SDG report and the respective Data Usability Narrative section of the DUSR sub-report for further detail.

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Reported Methods

- ☐ Method 1311 TCLP
- ☐ Method 1312 SPLP
- ☐ Method 6010A, B & C / 6020 Trace Metals
- ☐ Method 7000 Metals
- ☐ Method 7196 Hexavalent Chromium (other:_____)
- ☐ Method 7470A or 7471 Mercury
- ☐ Method 8021 Volatile Organic Compounds (VOCs) GC
- ☐ Method 8081B or ☐ 608 Pesticides
- ☐ Method 8082 or ☐ 608 PCBs
- ☐ Method 8151 Chlorinated Herbicides
- ☒ Method 8260C VOCs GC/MS
- ☐ Method 8270D Semi-VOCs (sVOCs) GC/MS &/or SIM-ID
- ☐ Method 9010/9012/9014 Cyanides (_____)
- ☐ Method TO-13A PAHs (air)
- ☐ Method TO-14A / -15 VOCs (air, summa) (_____)
- ☐ Method TO-17 VOCs (air, sorbent)
- ☐ Method 537 PFCs via SPE & LC/MS-MS
- ☐ Volatile Petroleum Hydrocarbons (VPH) Method
- ☐ Extractable Petroleum Hydrocarbons (EPH)
- ☒ Other Methods:
  - ☑ Method 5030 Purge & Trap

Quality Control Requirements Summary

- ☒ Duplicate
- ☒ Matrix Spike [MS] / Matrix Spike Duplicate [MSD]
- ☒ Trip Blanks (as appropriate)
- ☐ Equipment, Method, &/or Rinsate Blank
- ☒ Other Field QC: Field notes regarding sampling
- ☐ Special QAPP Requirements: _____

Table 1. Sample Data Group (SDG) List

SDG 480-#	# Samples	# Blanks	# Duplicates	Sample Date	Methods	
					VOCs	–
182853	5	1	1	04/05/2021	X	–

Table 2. Sample List

Count	SDG480-#	Sample #	Sample Name	Sample Date	Received
1	182853	#–1	MW-25S	04/05/21 10:15	04/06/21 08:20
2		#–2	MW-26S	04/05/21 09:00	04/06/21 08:20
3		#–3	MW-27S	04/05/21 11:05	04/06/21 08:20
4		#–4	MW-24D	04/05/21 13:50	04/06/21 08:20
5		#–5	MW-23D	04/05/21 12:40	04/06/21 08:20
6		#–6 (#-1)	DUP-04052021	04/05/21 00:00	04/06/21 08:20
7		#–7	Trip Blank	04/05/21 00:00	04/06/21 08:20

NOTE: EB = Equipment Blank TB = Trip Blank Dup = Duplicate

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References

NYSDEC, 2010, *Technical Guidance for Site Investigation and Remediation*, "DER-10," Division of Environmental Remediation: Albany, NY, May, 232p

NYSDEC, 2010, *Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, Appendix 2B IN *Technical Guidance for Site Investigation and Remediation*, Division of Environmental Remediation: Albany, NY, May, 232p

USEPA, 2008, *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, OSWER 9240.1-48, USEPA-540-R-08-01, Office of Superfund Remediation and Technology Innovation: Washington, DC, June, 225p

USEPA, 2010, *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, OSWER 9240.1-51, USEPA-540-R-10-011, Office of Superfund Remediation and Technology Innovation: Washington, DC, January, 110p

USEPA, 2012, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846*, Current Online Revision: http://www.epa.gov/epawaste/hazard/testmethods/sw846/online/index.htm, accessed April 2012

Attachments

1. Qualifier Flags
2. Data Usability Reviewer Biography
3. DUSR Sub-Report for SDG #480-182853

NOTE: If Client requests, each DUSR Sub-Report includes validated EDD attached hereto (Excel File Name Format: SDG-#182853_EquaNysdec-V.xls)



Prepared by: Kurt A. Frantzen, PhD
April 30, 2021

GES PO #1116283-1100

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Attachment 1. Qualifier Flags

Qualifier	Quality Implication
0–9	Use with Co-eluting Congeners
A	Tentatively Identified Compound (TIC) suspected to be an aldol condensation product
B | EB **TB | BB** **RB** **BH/BL**	An analyte identified in method blank (B), aqueous equipment (EB), rinsate (RB), trip (TB), or bottle blanks (BB) used to assess field contamination associated with soil or sediment samples mandates these qualifiers for only soil and sediment sample results. Analyte detected in Blank at level >10X/5-10X that of the Sample
D	Sample analysis from dilution of original sample
E	Analyte concentration exceeds calibration range
HT	Holding time violation
J	Analyte positively identified at a numerical value that is the approximate concentration of the analyte in the sample
J +	Sample likely to have a high bias
J –	Sample likely to have a low bias
UJ	Analyte not detected above the sample quantitation limit; the associated quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	Sample result rejected due to serious deficiency in ability to analyze sample and meet quality control criteria; the presence or absence of the analyte cannot be confirmed. This qualifier also may apply when more than one sample result is generated for a target analyte (*i.e.*, dilutions or re-analyses), the most technically acceptable result is considered acceptable.
P	Use professional judgment based on data use. It usually has an "M" with it, which indicates that a manual check should be made if the data that are qualified with the "P" are important to the data user. In addition, "PM" also means a decision is necessary from the Project Manager (or a delegate) concerning the need for further review of the data (*see below*).
PM	A manual review of the raw data is recommended to determine if the defect affects data use, as in "R" above. This review should include consideration of potential affects that could result from using the "P" qualified data. For example, in the case of holding-time exceedance, the Project Manager or delegate can decide to use the data with no qualification when analytes of interest are known not to be adversely affected by holding-time exceedances. Another example is the case where soil sample duplicate analyses for metals exceed the precision criteria; because this is likely due to sample non-homogeneity rather than contract laboratory error, then the manager or delegate must decide how to use the data.
U	Analyte analyzed for, but not detected above the sample's reported quantitation limit

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Attachment 2. Data Usability Reviewer: Kurt A. Frantzen, PhD

Experience

2013-Present	d/b/a RemVēr	Owner
2014-2019	AECC	Senior EHS Consultant
2011-2012	RemVēr, Inc.	President
2006-2011	Kleinfelder	Senior Principal Scientist
2005	Kleinfelder	Principal Scientist, Part-Time/On Call
2004-2006	d/b/a Environmental Risk Group	Owner
2004-2006	RemVēr, Inc., Larchmont, NY	Founder, President
1999-2004	VHB, Inc.	ERM Director & Associate
1997-1998	GEI Consultants, Inc.	Senior Project Manager
1992-1997	Ecology and Environment, Inc.	Technical Chief
1991-1992	EA Engineering, Science, & Technology, Inc.	Project Manager III
1990-1991	Ecology and Environment, Inc.	Technical Group Manager
1986-1990	Ecology and Environment, Inc.	Senior Environmental Scientist

Education

Am Cancer Soc. Post-Doctoral Fellow, U Washington 1985-1986
PhD—Life Sci. / Biochem, NU—Lincoln 1985
MS—Plant Pathology, Kansas State Univ. 1980
BS—Biology, NU—Omaha 1978

Other

- CERCLA & RCRA experience, as well as DOD (Air Force & Army) & DOE (INEL)
- NE Regional Experience—NY BCP; Mass MCP; & various sites in CT, RI & NH
- National Experience: NE, SE, Gulf & West Coast, Mid-west, Inter-mountain, California, Alaska
- International: Germany, Israel, Kuwait, Australia
- Selected Publications
    - *Using Risk Appraisals to Manage Environmentally Impaired Properties*, 2000, VHB Site Works, Report 108
    - *Risk-Based Analysis for Environmental Managers*, 2001, CRC/Lewis
    - Chapter 7 Risk Assessment, *Managing Hazardous Materials*, 2002 & 2009, IHMM
    - Chapter 22 Cleanup Goals, *Brownfields Law & Practice*, 2004-Present, Lexis/Nexis
    - *Use of Risk Assessment in Risk Management of Contaminated Sites*, 2008, ITRC
- 60 Conference Papers & Invited Professional Presentations
    - 1999-2021, Visiting Lecturer, Brownfields Program & Open Studio, Harvard Graduate School of Design
    - 2010-2013, Invited Lecturer, Pace University Law School
    - 2014-2015, Adjunct Professor, Pace University Law School

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Attachment 3. Data Usability Sub-Report for SDG #480-182853

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	☒	☐	☐	
Field meteorological data	☐	☐	☒	No review required under QAPP
Associated sampling location and plan included	☐	☒	☐	See RAP/QAPP
Associated drilling logs available, reviewed	☐	☐	☒	No review required under QAPP
Identification of QC samples in notes	☒	☐	☐	Sample IDs
Sampling instrument decontamination records	☐	☐	☒	No review required under QAPP
Sampling instrument calibration logs	☐	☐	☒	No review required under QAPP
Chain of custody included	☒	☐	☐	With analytical report
Notes include communication logs	☐	☒	☐	
Any corrective action (CA) reports	☐	☒	☐	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	☐	☒	☐	None
Any electronic data deliverables	☐	☒	☐	None
Sampling Report (by Field Team Leader)	☒	☐	☐	Field Notes

Lab Report Contents (Test America SDG Reports: #480-182853)

☒ SDG Narrative
☒ Contract Lab Sample Information Sheets
☒ Data Package Summary Forms
☒ Chain-of-Custody (COC) Forms
☒ Test Results (no tentatively identified compounds [TICs])
☒ Calibration standards
☒ Surrogate recoveries
☒ Blank results
☒ Spike recoveries
☒ Duplicate results
☒ Confirmation (lab check/QC) samples
☒ Internal standard area & retention time summary
☒ Chromatograms
☒ Raw data files
☒ Other specific information

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	**Complete (Y/N)**	**Comments**
480-182853	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	**Hold Times (Y/N)**	**Preservation (Y/N)**	**Exception Comment**
480-182853	Y	Y	None

Do the QC data fall within the protocol required limits and specifications?
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data

SDG	1	2	3	4	5	6	7	8	9
480-182853	☐	☐	☐	☐	☐	☒	☒	☐	☒

The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	**Protocols (Y/N)**	**Exception Comment**
480-182853	Y	No

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Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	**Confirmation (Y/N)**	**Exception Comment**
480-182853	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	**Qualifiers (Y/N)**	**Comment**
480-182853	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	**QC Exceedances Documented (Y/N)**	**Comment**
480-182853	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The groundwater samples came from a collection event April 5, 2021. RemVēr observed no issues in the provided field documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-182853 (dated 13-Apr-21). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-182853—single, one-page COC. GES made no additional annotations on the COC. The laboratory noted no issues at the time of acceptance. RemVēr observed no inconsistencies in the COC documentation or report.

Sample Preservation & Holding Time Evaluation

Laboratory received a cooler with samples on 4/6/2021 @ 08:20 AM (designated as SDG-#480-182853). Samples were placed on ice in the field and handled under a chain of custody; the temperature of the cooler(s) at receipt was 3.8ºC. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with no exception.

Sample Preparation and Analysis

The laboratory reported no issues associated with sample preparation for GC/MS VOCs. The laboratory also reported no analytical issues associated with the sample runs.

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).

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- If an analyte was above the MDL but below the reporting limit (RL), then then a “UJ” flag was set to indicate a qualified non-detection.
- *Method 8260C*—The laboratory diluted Samples #–1, #–2 [MS/MSD], #–4, and #–6 to bring target analyte concentrations within the calibration range, and, therefore, reported elevated limits (RLs). RemVēr set a “D” flag for all VOCs in these samples.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes. CCVs were acceptable in the SDG for the cited methods and analytes.

Blank Evaluation

SDG #480-182853 had Method Blanks (MBs) for each method and the MBs were acceptable (no analytes greater than the reported detection limits).

The Trip Blank (Sample #-7) had no detections greater than analytical reporting limits in all analyses.

Laboratory Control Samples (LCS)

The various method LCS’ (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-182853.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates reported in this SDG behaved within acceptable performance criteria. Isotope Dilution Analysis (IDA), when used, generally precludes adverse effects on data quality due to elevated IDA recoveries. IDA was not performed for these analyses.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

The matrix spike/matrix spike duplicate (MS/MSD) runs for all analyses met the QA criteria in SDG 480-182853, with the following exceptions:

- *Method 8260C*—Batch 575330 had MSD recoveries >UCL impacting only 1,1,2,2-Tetrachloroethane (TCA). RemVēr flagged these results in all samples as UJ+ or J+, as appropriate.
- *Method 8260C*—Batch 575330 MS/MSD had poor precision (RPD > control limits) for analytes: 1,1,2,2-Tetrachloroethane, Acetone, Carbon Disulfide, and Vinyl Chloride (VC). RemVēr flagged these results in all samples as UJ or J, as appropriate.

Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES submitted a field replicate sample: #-06 (Dup-041521) a replicate of #-01 (MW-25S). The analytes met the RPD performance criteria of <20%, except for trans-1,2-Dichloroethene and Trichloroethene (TCE), which were beyond criteria. RemVēr flagged these two VOC results in the samples as UJ or J, as appropriate, to indicate poor sampling/analysis precision.

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Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

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DQA Detail Worksheet for SDG #480-182853

BLANKS	>RL?	Compounds	Notes
VOC (8260)	No	VOCs	No Comment
—	—	—	—
Trip Blank	No	VOCs	No Comment

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	VOCs	No Comment
—	—	—	—	—	—

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	DCA, TOL, & BFB	No Comment
—	—	—	—	—	—
—	—	—	—	—	—

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	#-2	—	No Comment
1,1,2,2-Tetrachloro-ethane (TCA)	—	—	X	#-2	X	Flag UJ+ or J+
TCA, Acetone, Carbon Disulfide, & VC	—	—	—	#-2	X	Flag UJ or J
—	—	—	—	—	—	—

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
#-6	#-1	N/A	X	Trans-1,2-DCE & TCE	Flag UJ/J
—	—	N/A	—	—	—

LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment
—	—	—	—	—	—

Reasonable Confidence Achieved ☐ Y ☐ N—N/A
Requested Reporting Limits Achieved ☒ Y ☐ N
Holding Time Requirements Met ☒ Y ☐ N
Significant QC Variances ☒ Y ☐ N
Preservation Require. Met ☒ Y ☐ N

Abbreviations:
RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report
Notes: * Typical lab contaminants, not site-related

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DQA Non-Conformance Summary Worksheet for SDG #480-182853

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	TCA	MSD	>UCL	—	Hi	Flag UJ+ or J+
	TCA, Acetone, Carbon Disulfide, & VC	MSD	—	X	–	Flag UJ or J
#–1, #–2 [MS/MSD], #–4, & #–6	VOCs	Dilution	—	—	—	Flag D
#-6 (#-1)	trans-1,2-DCE & TCE	Replicate Precision	—	>UCL	—	Flag UJ or J

Notes: † RPD—Relative Percent Difference

‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

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Quality Assessment
Data Usability Summary Report

			RemVēr Project #2020GE42 Client Project #0901718-02-840
Site:	275 Franklin St. Buffalo, NY	**Site #:**	C915208A
Client:	NYSDEC via GES, Inc.	**Site Owner:**	–N/A–
Sample Delivery Groups (SDGs)	See Table #1		
Sample Matrix:	☐ Drinking water ☒ Groundwater ☐ Surface water ☐ Soil ☐ Sediment ☐ Air ☐ Biota (tissue, type: _____) ☐ Other: _____		

Introduction

Groundwater & Environmental Services (GES) contracted RemVēr to perform a data quality assessment (DQA) on analytical laboratory data of groundwater samples. Eurofins/Test America (E/TA) reports data in separate Sample Delivery Groups (SDGs, see Table 1). Table 2 provides a cross-list of the samples associated with each SDG.

A DQA is an evaluation of the performance of analytical procedures and quality of the resulting data. Following the requirements of the New York State Department of Environmental Conservation (NYSDEC) Data Usability Summary Report (DUSR) guidelines for an Analytical Services Protocol (ASP) Category B Data Deliverable, RemVēr prepared a separate DQA/DUSR sub-report for each SDG, evaluating the performance of the analytical procedures and the quality of the resulting data. Each sub-report includes a narrative discussion of qualified sample, a DQA Detail Worksheet, and a Non-Conformance Summary Worksheet describing the final reported qualification flags applied to the data during the DQA. Additionally, one validated EXCEL electronic data deliverable (EDD) is included with this deliverable for each SDG discussed herein.

Intended Use of Data Under Review

NYSDEC contracted GES to perform a groundwater monitoring event at the referenced site. The monitoring event's (November 2020) purpose was to update the existing groundwater dataset with current conditions related to specific analytes, namely, the volatile organic compounds (VOCs).

Significant Data Usability Issues

RemVer rejected no results and the data are acceptable for use. Certain results may have flagged analytes indicating non-detection or quality issues arising from sample handling, laboratory accuracy, or precision issues. Please refer to the individual SDG report and the respective Data Usability Narrative section of the DUSR sub-report for further detail.

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Reported Methods

- ☐ Method 1311 TCLP
- ☐ Method 1312 SPLP
- ☐ Method 6010A, B & C / 6020 Trace Metals
- ☐ Method 7000 Metals
- ☐ Method 7196 Hexavalent Chromium (other:_____)
- ☐ Method 7470A or 7471 Mercury
- ☐ Method 8021 Volatile Organic Compounds (VOCs) GC
- ☐ Method 8081B or ☐ 608 Pesticides
- ☐ Method 8082 or ☐ 608 PCBs
- ☐ Method 8151 Chlorinated Herbicides
- ☒ Method 8260C VOCs GC/MS
- ☐ Method 8270D Semi-VOCs (sVOCs) GC/MS &/or SIM-ID
- ☐ Method 9010/9012/9014 Cyanides (_____)
- ☐ Method TO-13A PAHs (air)
- ☐ Method TO-14A / -15 VOCs (air, summa) (_____)
- ☐ Method TO-17 VOCs (air, sorbent)
- ☐ Method 537 PFCs via SPE & LC/MS-MS
- ☐ Volatile Petroleum Hydrocarbons (VPH) Method
- ☐ Extractable Petroleum Hydrocarbons (EPH)
- ☒ Other Methods:
  - ☑ Method 5030 Purge & Trap

Quality Control Requirements Summary

- ☒ Duplicate
- ☒ Matrix Spike [MS] / Matrix Spike Duplicate [MSD]
- ☒ Trip Blanks (as appropriate)
- ☐ Equipment, Method, &/or Rinsate Blank
- ☒ Other Field QC: Field notes regarding sampling
- ☐ Special QAPP Requirements: _____

Table 1. Sample Data Group (SDG) List

SDG 480-#	# Samples	# Blanks	# Duplicates	Sample Date	Methods	
					VOCs	–
178383	5	1	1	11/17/2020	X	–

Table 2. Sample List

Count	SDG480-#	Sample #	Sample Name	Sample Date	Received
1	178383	#–1	MW-26S	11/17/20 08:50	11/18/20 11:45
2		#–2 (#-1)	DUP-111720	11/17/20 00:00	11/18/20 11:45
3		#–3	MW-25S	11/17/20 10:20	11/18/20 11:45
4		#–4	MW-27S	11/17/20 11:35	11/18/20 11:45
5		#–5	MW-24D	11/17/20 12:45	11/18/20 11:45
6		#–6	MW-23D	11/17/20 14:00	11/18/20 11:45
7		#–7	Trip Blank	11/17/20 00:00	11/18/20 11:45

NOTE: EB = Equipment Blank TB = Trip Blank Dup = Duplicate

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References

NYSDEC, 2010, *Technical Guidance for Site Investigation and Remediation*, "DER-10," Division of Environmental Remediation: Albany, NY, May, 232p

NYSDEC, 2010, *Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, Appendix 2B IN *Technical Guidance for Site Investigation and Remediation*, Division of Environmental Remediation: Albany, NY, May, 232p

USEPA, 2008, *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, OSWER 9240.1-48, USEPA-540-R-08-01, Office of Superfund Remediation and Technology Innovation: Washington, DC, June, 225p

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USEPA, 2012, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846*, Current Online Revision: http://www.epa.gov/epawaste/hazard/testmethods/sw846/online/index.htm, accessed April 2012

Attachments

1. Qualifier Flags
2. Data Usability Reviewer Biography
3. DUSR Sub-Report for SDG #480-178383

NOTE: If Client requests, each DUSR Sub-Report includes validated EDD attached hereto (Excel File Name Format: SDG-#_EquaNysdec-V.xls)



Prepared by: Kurt A. Frantzen, PhD
December 17, 2020

GES PO #1114058-1100

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Attachment 1. Qualifier Flags

Qualifier	Quality Implication
0–9	Use with Co-eluting Congeners
A	Tentatively Identified Compound (TIC) suspected to be an aldol condensation product
B | EB **TB | BB** **RB** **BH/BL**	An analyte identified in method blank (B), aqueous equipment (EB), rinsate (RB), trip (TB), or bottle blanks (BB) used to assess field contamination associated with soil or sediment samples mandates these qualifiers for only soil and sediment sample results. Analyte detected in Blank at level >10X/5-10X that of the Sample
D	Sample analysis from dilution of original sample
E	Analyte concentration exceeds calibration range
HT	Holding time violation
J	Analyte positively identified at a numerical value that is the approximate concentration of the analyte in the sample
J +	Sample likely to have a high bias
J –	Sample likely to have a low bias
UJ	Analyte not detected above the sample quantitation limit; the associated quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample
N	The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	Sample result rejected due to serious deficiency in ability to analyze sample and meet quality control criteria; the presence or absence of the analyte cannot be confirmed. This qualifier also may apply when more than one sample result is generated for a target analyte (*i.e.*, dilutions or re-analyses), the most technically acceptable result is considered acceptable.
P	Use professional judgment based on data use. It usually has an "M" with it, which indicates that a manual check should be made if the data that are qualified with the "P" are important to the data user. In addition, "PM" also means a decision is necessary from the Project Manager (or a delegate) concerning the need for further review of the data (*see below*).
PM	A manual review of the raw data is recommended to determine if the defect affects data use, as in "R" above. This review should include consideration of potential affects that could result from using the "P" qualified data. For example, in the case of holding-time exceedance, the Project Manager or delegate can decide to use the data with no qualification when analytes of interest are known not to be adversely affected by holding-time exceedances. Another example is the case where soil sample duplicate analyses for metals exceed the precision criteria; because this is likely due to sample non-homogeneity rather than contract laboratory error, then the manager or delegate must decide how to use the data.
U	Analyte analyzed for, but not detected above the sample's reported quantitation limit

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Attachment 2. Data Usability Reviewer: Kurt A. Frantzen, PhD

Experience

2013-Present	d/b/a RemVēr	Owner
2014-2019	AECC	Senior EHS Consultant
2011-2012	RemVēr, Inc.	President
2006-2011	Kleinfelder	Senior Principal Scientist
2005	Kleinfelder	Principal Scientist, Part-Time/On Call
2004-2006	d/b/a Environmental Risk Group	Owner
2004-2006	RemVēr, Inc., Larchmont, NY	Founder, President
1999-2004	VHB, Inc.	ERM Director & Associate
1997-1998	GEI Consultants, Inc.	Senior Project Manager
1992-1997	Ecology and Environment, Inc.	Technical Chief
1991-1992	EA Engineering, Science, & Technology, Inc.	Project Manager III
1990-1991	Ecology and Environment, Inc.	Technical Group Manager
1986-1990	Ecology and Environment, Inc.	Senior Environmental Scientist

Education

Am Cancer Soc. Post-Doctoral Fellow, U Washington 1985-1986
PhD—Life Sci. / Biochem, NU—Lincoln 1985
MS—Plant Pathology, Kansas State Univ. 1980
BS—Biology, NU—Omaha 1978

Other

- CERCLA & RCRA experience, as well as DOD (Air Force & Army) & DOE (INEL)
- NE Regional Experience—NY BCP; Mass MCP; & various sites in CT, RI & NH
- National Experience: NE, SE, Gulf & West Coast, Mid-west, Inter-mountain, California, Alaska
- International: Germany, Israel, Kuwait, Australia
- Selected Publications
    - *Using Risk Appraisals to Manage Environmentally Impaired Properties*, 2000, VHB Site Works, Report 108
    - *Risk-Based Analysis for Environmental Managers*, 2001, CRC/Lewis
    - Chapter 7 Risk Assessment, *Managing Hazardous Materials*, 2002 & 2009, IHMM
    - Chapter 22 Cleanup Goals, *Brownfields Law & Practice*, 2004-Present, Lexis/Nexis
    - *Use of Risk Assessment in Risk Management of Contaminated Sites*, 2008, ITRC
- 60 Conference Papers & Invited Professional Presentations
    - 1999-2019, Visiting Lecturer, Brownfields Program, Harvard Graduate School of Design
    - 2010-2013, Invited Lecturer, Pace University Law School
    - 2014-2015, Adjunct Professor, Pace University Law School

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Attachment 3. Data Usability Sub-Report for SDG #480-178383

Detailed Quality Review

Field Notes Review

	Y	N	NA	COMMENTS
Sampling notes	☒	☐	☐	
Field meteorological data	☐	☐	☒	No review required under QAPP
Associated sampling location and plan included	☐	☒	☐	See RAP/QAPP
Associated drilling logs available, reviewed	☐	☐	☒	No review required under QAPP
Identification of QC samples in notes	☒	☐	☐	Sample IDs
Sampling instrument decontamination records	☐	☐	☒	No review required under QAPP
Sampling instrument calibration logs	☐	☐	☒	No review required under QAPP
Chain of custody included	☒	☐	☐	With analytical report
Notes include communication logs	☐	☒	☐	
Any corrective action (CA) reports	☐	☒	☐	If so, CA documentation of results required.
Any deviation from methods noted? If so, explain	☐	☒	☐	None
Any electronic data deliverables	☐	☒	☐	None
Sampling Report (by Field Team Leader)	☒	☐	☐	Field Notes

Lab Report Contents (Test America SDG Reports: #480-178383)

☒ SDG Narrative
☒ Contract Lab Sample Information Sheets
☒ Data Package Summary Forms
☒ Chain-of-Custody (COC) Forms
☒ Test Results (no tentatively identified compounds [TICs])
☒ Calibration standards
☒ Surrogate recoveries
☒ Blank results
☒ Spike recoveries
☒ Duplicate results
☒ Confirmation (lab check/QC) samples
☒ Internal standard area & retention time summary
☒ Chromatograms
☒ Raw data files
☒ Other specific information

Is the data package complete as defined under the requirements for the NYSDEC ASP Category B?		
Laboratory Report	**Complete (Y/N)**	**Comments**
480-178383	Y	No

Sample Preservation Requirements & Holding Times Met?			
Laboratory Report	**Hold Times (Y/N)**	**Preservation (Y/N)**	**Exception Comment**
480-178383	Y	Y	None

Do the QC data fall within the protocol required limits and specifications?
(1) blanks, (2) instrument tunings, (3) calibration standards, (4) calibration verifications, (5) surrogate recoveries/ISD, (6) spike recoveries, (7) replicate analyses, (8) laboratory controls, (9) and sample data

SDG	1	2	3	4	5	6	7	8	9
480-178383	☐	☐	☐	☒	☐	☒	☒	☐	☒

The narrative section, below, discusses these deficiencies in detail, see Attachment 1 as well.

Were the data generated using established and agreed upon analytical protocols?		
Laboratory Report	**Protocols (Y/N)**	**Exception Comment**
480-178383	Y	No

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Do the raw data confirm the results provided in the data summary sheets and quality control verification forms?		
Laboratory Report	**Confirmation (Y/N)**	**Exception Comment**
480-178383	Y	No

Were correct data qualifiers used and are they consistent with the most current guidance?		
Laboratory Report	**Qualifiers (Y/N)**	**Comment**
480-178383	Y	The laboratory generally applied appropriate qualifiers.

Were quality control (QC) exceedances specifically noted in this DUSR and the corresponding QC summary sheets from the data packages referenced?		
Laboratory Report	**QC Exceedances Documented (Y/N)**	**Comment**
480-178383	Y	Data qualifications were applied as described below

Data Quality and Usability Narrative

Field Notes Inspection

The groundwater samples came from a collection event November 17, 2020. RemVēr observed no issues in the provided field documentation.

Laboratory Report Inspection

E/TA produced an SDG report #480-178383 (dated 1-Dec-20). The SDG report had the required data and information.

Chain of Custody (COC) Evaluation

NYSDEC/GES produced a COC for the referenced fieldwork: SDG: #480-178383—single, one-page COC. GES made no additional annotations on the COC. The laboratory noted no issues at the time of acceptance. RemVēr observed no inconsistencies in the COC documentation or report.

Sample Preservation & Holding Time Evaluation

Laboratory received a cooler with samples on 11/18/2020 @ 11:45 AM (designated as SDG-#480-178383). Samples were placed on ice in the field and handled under a chain of custody; the temperature of the cooler(s) at receipt was 3.6ºC. The samples arrived in good condition, properly preserved, and where necessary under ice. Holding times and preservation requirements were met with no exception.

Sample Preparation and Analysis

The laboratory reported no issues associated with sample preparation for GC/MS VOCs. The laboratory also reported no analytical issues associated with the sample runs.

Detection Limits

Analytical detection limits (DLs) were acceptable for all analytes causing no QA issues other than those noted below:

- If an analyte was below the method detection limit (MDL), then a “U” flag was set to indicate non-detection (undetected).

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- If an analyte was above the MDL but below the reporting limit (RL), then then a “UJ” flag was set to indicate a qualified non-detection.
- *Method 8260C*—Samples #–1 [MS/MSD], #–2, #–3, and #–5 were diluted to bring target analyte concentrations within the calibration range; therefore, the lab reported elevated limits (RLs). RemVēr set a “D” flag for all VOCs in these samples.

Calibration Standards and Continuing Calibration Verification (CCV)

Calibration standards (external or internal) were acceptable for all analytes. CCVs were acceptable in the SDG for the methods and analytes shown, with the following exceptions:

- *Method 8260C*—Batch 560828 CCV recovery was above the upper control limit (>UCL) for Carbon disulfide, Carbon tetrachloride, 1,1,2-Trichloro-1,2,2-trifluoroethane, and Methylcyclohexane in Samples #–1 and #–3 but was not detected. RemVēr flagged the results in all samples as UJ+ or J+, as appropriate.
- *Method 8260C*—Batch 560826 CCV recovery was above the upper control limit (>UCL) for Carbon disulfide, 1,1,2-Trichloro-1,2,2-trifluoroethane, Trichlorofluoromethane, and 2-Butanone (MEK) in Samples #–4, #–5, and #–6 but was not detected. RemVēr flagged the results in all samples as UJ+ or J+, as appropriate.

Blank Evaluation

SDG #480-178383 had Method Blanks (MBs) for each method and the MBs were acceptable (no analytes greater than the reported detection limits).

The Trip Blank (Sample #-7) had no detections greater than analytical reporting limits in all analyses.

Laboratory Control Samples (LCS)

The various method LCS’ (LCS & LCS duplicates [LCSD]) were within the acceptable control ranges and relative percent differences (RPDs) for their particular analyses in SDG 480-178383.

Surrogates and Isotope Dilution

Surrogates added to a sample allow testing of preparatory and instrument behavior resulting in recoveries within appropriate method ranges for the analytes. Surrogates reported in this SDG behaved within acceptable performance criteria. Isotope Dilution Analysis (IDA), when used, generally precludes adverse effects on data quality due to elevated IDA recoveries. IDA was not performed for these analyses.

Site-Specific Matrix Spikes and Matrix Spike Duplicates

The matrix spike/matrix spike duplicate (MS/MSD) runs for all analyses met the QA criteria in SDG 480-178383, with the following exceptions:

- *Method 8260C*—Batch 560828 had MSD recoveries <LCL impacting only Tetrachloroethene. RemVēr flagged these results in all samples as UJ- or J-, as appropriate.

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Duplicates

The analytical Method Duplicates met their RPD performance criteria.

GES submitted a field replicate sample: #-02 (Dup-111720) a replicate of #-01 (MW-26S). The analytes met the RPD performance criteria of <20%, except for Chloroform and cis-1,2-Dichloroethene, which were beyond criteria. RemVēr flagged these two VOC results in the samples as UJ or J, as appropriate, to indicate poor sampling/analysis precision.

Tentatively Identified Compounds (TICs)

This SDG had no analysis of TICs.

Sample Result and Usability Evaluation

Due to sample issues or laboratory performance certain results were qualified; however, the data are usable. No data received an R (rejected) flag.

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DQA Detail Worksheet for SDG #480-178383

BLANKS	>RL?	Compounds	Notes
VOC (8260)	No	VOCs	No Comment
—	—	—	—
Trip Blank	No	VOCs	No Comment

LCS	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	Compound(s)	Notes
VOC (8260)	—	—	—	VOCs	No Comment
—	—	—	—	—	—

SURROGATE/IDA	SV <10%	> 10% & < LCL	>UCL	Compound(s)	Notes
VOC (8260)	—	—	—	DCA, TOL, & BFB	No Comment
—	—	—	—	—	—
—	—	—	—	—	—

MS/MSDs	SV <10%	Low Bias > 10% & < LCL	High Bias >UCL	QC Source	RPDs	Notes
VOC (8260)	—	—	—	#-1	—	No Comment
Tetrachloroethene	—	X	—	#-1	—	Flag UJ-
—	—	—	—	—	—	—

FIELD DUPLICATES RPDs	QC Source	Soil RPD > 50%	Water RPD > 20%	Compounds	Notes
#-2	#-1	N/A	X	Chloroform & cis-1,2-DCE	Flag UJ/J
—	—	N/A	—	—	—
LAB DUPLICATES					
All Methods	Batch	N/A	—	As listed	No Comment
—	—	—	—	—	—

Reasonable Confidence Achieved	☐ Y	☐ N—N/A	Significant QC Variances	☒ Y	☐ N
Requested Reporting Limits Achieved	☒ Y	☐ N	Preservation Require. Met	☒ Y	☐ N
Holding Time Requirements Met	☒ Y	☐ N			

Abbreviations:
RL = Reporting Limit LCS = Laboratory Control Sample SV = Significant QC Variance
RPD = Relative Percent Difference LCL= RCP Lower Control Limit UCL= RCP Upper Control Limit
VOCs = Volatile Organic Compounds SVOCs = Semi-volatile Organic Compounds Pest = Pesticides
EPH = Extractable Petroleum Hydrocarbons VPH = Volatile Petroleum Hydrocarbons ETPH = EPH-Total
PCBs = Polychlorinated Biphenyls N/A = Not Applicable N/C = Not Collected -- = nothing to report
Notes: * Typical lab contaminants, not site-related

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DQA Non-Conformance Summary Worksheet for SDG #480-178383

Only Flagged Results Shown Below

Sample Number(s)	Compound(s)	QC Non-Conformance	% Recovery	% RPD †	High or Low Bias ‡	Comments
All	Any	Analyte Non-detect				Flag U
	Any	MDL>result<RDL	—	—	—	Validator Flag UJ Interpreted Flag U
	Tetrachloroethene	MSD	<LCL	—	–	Flag UJ- or J-
#–1, #–2, #–3, & #–5	VOCs	Dilution	—	—	—	Flag D
#-1 & #-3	Carbon disulfide, Carbon tetrachloride, 1,1,2-Trichloro-1,2,2-trifluoroethane, & Methylcyclohexane	CCV	>UCL	—	+	Flag UJ+ or J+
#-4, #-5, & #-6	Carbon disulfide, 1,1,2-Trichloro-1,2,2-trifluoroethane, Trichlorofluoromethane, & 2-Butanone	CCV	>UCL	—	+	Flag UJ+ or J+
#-1 & #-2	Chloroform & cis-1,2-DCE	Replicate Precision	—	—	—	Flag UJ or J

Notes: † RPD—Relative Percent Difference
‡ Bias High—Reported result may be lower, Reporting Limit (RL) is acceptable as reported. Bias Low—Reported results may be higher, RL may be higher than reported.

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