



Site Details

Box 1

Site No. 130074

Site Name Bartlett Tree Company

Site Address: 345 Union Avenue Zip Code: 11590

City/Town: Westbury

County: Nassau

Site Acreage: 0.414

Reporting Period: January 30, 2024 to January 30, 2025

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? ☒ ☐
- 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 _____

Description of Institutional ControlsParcelOwnerInstitutional Control**10-228-206**

Bartlett Realty Company

Ground Water Use Restriction

Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

An environmental easement is in place.

10-228-786

Bartlett Realty Company

IC/EC Plan
Monitoring Plan
Site Management Plan
Landuse Restriction
Ground Water Use Restriction

An environmental easement is in place.

Description of Engineering ControlsParcelEngineering Control**10-228-206**Monitoring Wells
Cover System**10-228-786**

Monitoring Wells

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 complete.

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. 130074**

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.

Brown and Caldwell Associates
300 Great Oaks Blvd., Suite 300-070

I Brian Taylor, PG at Albany, NY 12203,
print name print business address

am certifying as Remedial Party - Qualified Environmental Professional (Owner or Remedial Party)

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

Brian Taylor, Brown and Caldwell
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

2/28/2025
Date

2024 Periodic Review Report
Bartlett Tree Company Site
NYSDEC Site #130074

Prepared for
F.A. Bartlett Tree Expert Company,
Charlotte, North Carolina
February 27, 2025

Revised
November 10, 2025

2024 Periodic Review Report Bartlett Tree Company Site NYSDEC Site #130074

Prepared for
F.A. Bartlett Tree Expert Company
Charlotte, North Carolina

February 27, 2025

Revised
November 10, 2025

Project Number: 197110



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List of Abbreviations

Bartlett	F.A. Bartlett Tree Expert Company
BCA	Brown and Caldwell Associates
bgs	below ground surface
CCV	Continuing Calibration Verification
COC	Certificate of Completion
%D	percent difference
DO	Dissolved Oxygen
DUSR	Data Usability Summary Report
EE	Environmental Easement
ELAP	Environmental Laboratory Approval Program
EPA	U.S. Environmental Protection Agency
IC	Institutional Control
MS	Matrix Spike
MSD	Matrix Spike Duplicate
MU District	Maple Union Transit Oriented Development District
NCDH	Nassau County Department of Health
ND	Not Detected
NTU	Nephelometric Turbidity Unit
NYCRR	New York Codes, Rules, and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OC	organochlorine
OSWER	Office of Solid Waste and Emergency Response
PCE	Perchloroethylene or Tetrachloroethylene
PID	Photoionization Detector
ppm	parts per million
ppt	parts per trillion
PRR	Periodic Review Report
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
QEP	Qualified Environmental Professional
%R	percent recovery
RI	Remedial Investigation
SCO	Soil Cleanup Objective (6 NYCRR Part 375-6.8)
Site	Bartlett Tree Company Site
SMP	Site Management Plan
SVI	Soil Vapor Intrusion
SVOC	Semi-Volatile Organic Compound

3TC	3 rd Track Constructors
TCL	Target Compound List
THQ	Target Hazard Quotient
TR	Targeted Cancer Risk
µg/L	micrograms per liter
µg/m ³	micrograms per cubic meter
VOC	Volatile Organic Compound

Section 1

Introduction

This 2024 Periodic Review Report (PRR) is required as an element of the post-remediation monitoring program at the Bartlett Tree Company Site, Site #130074 (hereinafter referred to as the “Site”).

1.1 Site Location and Description

The Site is located at 345 Union Avenue in the Village of Westbury, Town of North Hempstead, County of Nassau, New York and is identified in the Nassau County Tax Rolls as Section 10, Block 228, Lot 786 and Section 10, Block 228, Lot 206. The Site is in an urban, mixed-use neighborhood of commercial and industrial facilities and residences. The Nassau County Assessors’ Office has listed the Site land category as commercial. The Site consists of a parcel of land measuring approximately 340 feet in length by 60 feet wide, totaling approximately 0.4 acre. It is bordered on the north by a parking lot that leads to the recently constructed Westbury North Parking Structure; on the east by a construction materials warehouse; on the south by Union Avenue, thence by the Long Island Railroad, a parking lot and a cemetery; and on the west by a taxi fleet maintenance facility and construction contractor’s storage yard, thence the aforementioned parking structure (Figure 1). The Site is utilized by F. A. Bartlett Tree Expert Company (Bartlett) as a base of operations for its tree care service business on Long Island.

In 2016 the Village of Westbury was selected to participate in the Governor’s Downtown Revitalization Initiative. As part of the program the village enacted rezoning of an area known as the Maple Union Area, which includes the Site. The zoning change established the Maple Union Transit Oriented Development District (the “MU District”), which is intended to attract new residential and job-creating uses near the Long Island Railroad station located on Union Avenue directly across from the Site. The MU District zoning notwithstanding, the Site continues to be utilized solely for Bartlett’s tree care service business.

1.2 Regulatory Background

The Site was remediated under the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program administered by the New York State Department of Environmental Conservation (NYSDEC). The Site was remediated in accordance with the Order on Consent and Administrative Settlement, Index No. W1-1091-06-08, Site #1-30-074, which was executed in April 2007.

On December 1, 2015, the NYSDEC issued a Certificate of Completion (COC) and Registry Reclassification from Class 2 to Class 4 COC. Notice of COC was filed with the Nassau County Clerk on December 28, 2015. A copy of the COC and recorded Notice of COC is provided in Appendix A.

The Site was remediated to a cleanup level that is consistent with the Institutional Controls (ICs) contained in an environmental easement (EE) granted to the NYSDEC and recorded by the Nassau County Clerk. These ICs are summarized as follows:

- Site use is restricted to Commercial Use as defined in 6 New York Codes, Rules, and Regulations (NYCRR) 375-1.8(g)(2)iii and Industrial Use as defined in 6 NYCRR 375-1.8(g)(2)iv.

- Groundwater use is prohibited unless treated in accordance with requirements provided by the New York State Department of Health (NYSDOH) or Nassau County Department of Health (NCDH).
- Site monitoring shall be conducted in accordance with the NYSDEC-approved Site Management Plan (SMP), dated April 20, 2015 and on file with the NYSDEC (Brown and Caldwell Associates (BCA), 2015).

The requirements for the monitoring activities reported in this PRR are specified in detail in the above-referenced SMP. The SMP has been modified via three addenda effective April 13, 2017 (BCA, August 14, 2017), December 16, 2019 (BCA, January 16, 2020), and August 15, 2020 (BCA, August 10, 2020). The April 13, 2017 addendum was formally approved by the NYSDEC by letter dated January 10, 2018. The NYSDEC approved the measures in the December 16, 2019 addendum by email. The NYSDEC approved the measures in the August 10, 2020 addendum by acceptance of the recommendations made in the 2020 PRR in the April 15, 2020 PRR Response Letter. Copies of the addenda are provided in Appendix J. Collectively, the SMP addenda specify the following modifications:

- Groundwater samples will no longer be collected from monitoring wells MW-1S, MW-1D, and MW-2S.
- MW-1S, MW-1D, and MW-2S will be abandoned in accordance with the SMP.
- Groundwater samples will be collected from the remaining four monitoring wells (MW-2D, MW-3, MW-4, MW-5) every 10 months, beginning in October 2019.
- Groundwater samples will be analyzed only for Target Compound List (TCL) Pesticides by U.S. Environmental Protection Agency (EPA) SW-846 Method 8081A.
- Duplicate field-filtered groundwater samples will be collected from all four monitoring wells regardless of measured turbidity and compared to the unfiltered samples in order to evaluate the effect of turbidity on the analytical results, beginning August 2020.

An overview of the activities and reporting requirements is provided in the following subsection.

1.3 Scope of Monitoring and Reporting

The reporting and certification period of this PRR is calendar year 2024. The scope of the review/reporting and the organization of this PRR are prescribed in the SMP and the above-referenced addenda thereto.

Environmental monitoring targeted groundwater quality and soil vapor intrusion. In accordance with the required monitoring frequency of every 10 months, the groundwater monitoring program consisted of one round of sampling completed in October 2024. Soil Vapor Intrusion (SVI) monitoring was conducted during the 2024/2025 heating season. Section 2 presents the results of the groundwater and SVI monitoring.

In addition to media monitoring, the Site was inspected and evaluated to assess compliance with the required ICs. Section 3 presents this evaluation. Included are the results of periodic and annual Site inspections, an assessment of compliance with the required ICs, new conclusions or observations (if any) regarding Site contamination, and an assessment of the overall performance and effectiveness of the remedy.

Section 4 presents the annual certification of ICs.

1.4 Monitoring Well Status

As described in the 2019 PRR and the January 16, 2019 SMP addendum (Appendix J), in October 2019 BCA discovered that access to the public parking lot on which MW-1S is situated had been restricted to construction associated with the Long Island Railroad and the Westbury North Parking Structure. At that time, it was not possible to sample MW-1S. In December 2019, MW-1S was found to be under water. Subsequent inspection of the monitoring well revealed it had been run over by construction equipment and inundated by standing water that drained into and through the well vault. On December 16, 2019, NYSDEC concurred with the recommendation to decommission MW-1S.

To obtain access to the parking lot, BCA was directed by the Village of Westbury to contact the contractor constructing the Westbury North Parking Structure, 3rd Track Constructors (3TC). 3TC presented terms of an access agreement that were unacceptable to Bartlett, and monitoring well MW-1S was therefore not decommissioned by BCA. Photographs taken during the December 1, 2020 Site inspection and documented in the 2020 PRR (BCA, February 24, 2021) show that MW-1S has been paved over and likely destroyed.

Section 2

Media Monitoring

This section describes the post-remedial monitoring of groundwater quality and SVI conducted during 2024.

2.1 Groundwater Quality

One round of groundwater sampling was conducted on the following date:

- October 17, 2024

2.1.1 Groundwater Levels and Flow Direction

Prior to sample collection, a synoptic round of water level measurements was conducted for the four available monitoring wells (MW-2D, MW-3, MW-4, MW-5). Groundwater elevations are summarized in Table 1. Water level data from the shallow wells were contoured for evaluating groundwater flow directions (Figure 3). The contours indicate groundwater flow in a west-southwesterly direction, consistent with previous measurements.

2.1.2 Sample Collection

Groundwater monitoring was conducted in accordance with the procedures specified in the SMP, utilizing the four available monitoring wells (MW-2D, MW-3, MW-4, MW-5). The locations of the wells are shown on Figure 2. As noted in Section 1 and on Figure 2 monitoring wells MW-1S, MW-1D, and MW-2S were eliminated from the monitoring program. The groundwater sampling employed EPA low-flow sampling methods in accordance with the SMP. Turbidity readings were collected immediately prior to collection of the unfiltered sample using a calibrated Lamotte 2020 turbidity meter to evaluate turbidity levels relative to the guideline of 50 nephelometric turbidity units (NTUs). In accordance with the SMP addendum discussed in Section 1.2, field-filtered duplicate samples were collected from all wells regardless of measured turbidity to evaluate the effect of turbidity on the analytical results.

During the October 2024 round of sampling, all wells exhibited unfiltered turbidity below 50 NTUs. Previously submitted PRRs have included both the unfiltered and filtered turbidity readings from the sampling event. A reporting error in the field results in no turbidity reading for the filtered samples. Historical turbidities from the filtered samples are in the 0.1 to 5 NTU range, and in all instances are less than their unfiltered counterpart. Below are the unfiltered turbidity readings from each monitoring well.

Monitoring Well	Unfiltered Turbidity (NTUs)
MW-2D	20.90
MW-3	0.90
MW-4	6.13
MW-5	9.70

In addition to turbidity, the samples were screened in the field for pH, specific conductivity, temperature, and dissolved oxygen (DO) (see Appendix B for field data sheets). Field Quality Assurance/Quality Control (QA/QC) samples were collected in accordance with the Quality Assurance Project Plan (QAPP) included in the SMP, as follows:

- Field duplicates (one per 20 samples unfiltered/one per 20 samples filtered).
- Equipment blanks (one per 20 samples unfiltered/one per 20 samples filtered).
- Matrix spike/matrix spike duplicate (MS/MSD) (one per 20 samples unfiltered/one per 20 samples filtered).

All samples were submitted to Eurofins Lancaster Laboratories for analysis of TCL Organochlorine (OC) Pesticides by EPA SW-846 Method 8081B.

The analytical laboratory is certified under the NYSDOH Environmental Laboratory Approval Program (ELAP) for this analytical method.

2.1.3 Analytical Data Validation

Jeffrey Davin of BCA validated the groundwater analytical data package. Mr. Davin's qualifications and experience as data validator are included in Appendix J A Data Usability Summary Report (DUSR) was prepared for the groundwater data package (Appendix C). Overall, the analytical data for the groundwater monitoring were determined to be acceptable for the intended purposes and none of the data was rejected. No additional qualifications were made outside of those added by the analytical laboratory. Analytical Results

Table 2 summarizes the validated organochlorine pesticide results for all post-remediation rounds of groundwater monitoring. The table lists the applicable 6 NYCRR Part 703 Class GA Water Quality Standards and highlights concentrations that exceed the corresponding standard with a solid border and bold font.

A discussion of the analytical results for the current monitoring period follows:

Shallow Monitoring Wells. Dieldrin was detected at concentrations greater than its Part 703 standard in both the unfiltered (1.5 µg/L) and filtered (0.035 µg/L) samples from MW-4, and in the unfiltered (0.013 J µg/L) sample from MW-5 in October 2024. MW-4 and MW-5 are downgradient from former Drywell 1. Dieldrin was not detected in any of the samples collected from well MW-3 (upgradient of former Drywell 1). The standard for Dieldrin is relatively low: 0.004 µg/L or 4 parts per trillion (ppt). Due to the measured concentration of Dieldrin in the unfiltered MW-4 sample, the method detection limits for the other constituents were raised. As a result, non-detections for several constituents within the unfiltered MW-4 sample have method detection limits above their Part 703 standards.

Deep Monitoring Well. 4,4'-DDD (0.38 µg/L) and Dieldrin (0.022 J µg/L) were detected at concentrations greater than their respective Part 703 standards in the unfiltered sample from MW-2D. MW-2D is downgradient from former Drywell 1. 4,4'-DDD was detected though below its Part 703 standard in the filtered sample from well MW-2D, while Dieldrin was not detected in the filtered sample collected from well MW-2D. As discussed above, the standard for Dieldrin is relatively low: 0.004 µg/L or 4 ppt.

Trend Plots. Figures 4a through 4f show post-remedial groundwater concentration trends for the six pesticide compounds that have historically been detected at concentrations above the corresponding Part 703 groundwater standards: alpha Chlordane, Dieldrin, Endrin, 4,4'-DDT, 4,4'-DDE, and 4,4'-DDD. The plotted concentrations are for the total matrix (i.e., from the unfiltered samples), with filtered results noted where available. Non-detect concentrations are plotted as 0.

In April 2022 and October 2024 Dieldrin (Figure 4b) was detected in well MW-4 at a concentration of 1.2 µg/L (unfiltered) and 1.5 µg/L (unfiltered) respectively. These concentrations are higher than previous post-remedial concentrations but are in the range of pre-remediation values (Appendix D), which ranged from 0.74 µg/L to 3.3 µg/L. In all instances of post-remediation monitoring the reported filtered concentration of Dieldrin in well MW-4 samples is above the Part 703 groundwater standard, however an order of magnitude less than the total result, indicating the compound is largely bound to particulate matter in the sample. Concentrations of Dieldrin in all other monitoring well samples are consistent with previous post-remedial concentrations.

4,4'-DDD (Figure 4f) was detected in the unfiltered sample from well MW-2D at a concentration of 0.38 µg/L during the October 2024 monitoring event. This detected concentration is consistent with previous post-remedial concentrations and is an overall decrease from the April 2016 high concentration. 4,4'-DDD was not detected in any monitoring wells during the October 2024 monitoring event.

4,4'-DDT (Figure 4d) was not detected in any well above the Part 703 standard during the October 2024 monitoring event. The history of 4,4'-DDT results for MW-2D indicates the August 2020 concentrations of 2.1 J µg/L and 1.4 J µg/L (unfiltered and filtered samples respectively), were anomalous, possibly reflecting the past entry of surface water into the well.

The trend plots for alpha chlordane, 4,4'-DDE, and endrin show that unfiltered concentrations for all wells are below Part 703 groundwater standards and within the range of historical post-remediation values. The figures demonstrate that pesticide concentrations have generally declined since post-remedial monitoring began in April 2015.

Comparison of corresponding analytical results for filtered and unfiltered groundwater samples indicates the residual pesticide compounds are largely bound to suspended particulate matter and not dissolved in groundwater, a condition attributable to the fate and transport characteristics typical of this class of compounds: low aqueous solubility, high chemical affinity for soil, and relative chemical stability. In all instances the dissolved concentrations were less than the total concentrations (where detected).

2.2 Soil Vapor Intrusion Monitoring

As noted in the SMP, on-Site soil vapor has been found to contain chlorinated volatile organic compounds (VOCs) off-gassing from contaminated groundwater that originates at one or more unidentified, off-Site sources. Accordingly, the SMP specifies that SVI monitoring will be performed on a periodic basis to assess potential intrusion of VOC vapors. The SVI monitoring was conducted on December 12, 2024.

2.2.1 Inventory of Potential Indoor VOC Sources

On December 11, 2024, a pre-sampling inspection was conducted to identify and minimize conditions that could interfere with the SVI testing. The inspection evaluated the physical condition of the office building and the presence of potential interference from products and activities that might release VOC vapors. The indoor air quality questionnaire and building inventory form provided in the NYSDOH guidance document *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006) was completed during the pre-sampling inspection and is provided in

Appendix E. During the inspection, containers were screened with a photoionization detector (PID) to determine if VOC vapors were leaking from the container.

The NYSDOH Building Inventory form in Appendix E includes a list of materials and conditions that were observed on the ground floor of the office building. The inventory form also provides PID readings and thus indicates if the material or condition might be a source of VOCs. No containers were observed with labels indicating the presence of chlorinated VOCs. Gasoline powered equipment and associated fuel containers are a potential source of volatile constituents of gasoline (e.g., benzene, toluene, ethyl benzene, xylenes, trimethylbenzenes) in vapor samples. It was not practical to remove these numerous articles prior to sampling.

2.2.2 Sample Collection

The monitoring consisted of collection of a sub-slab soil vapor sample and contemporaneous indoor and ambient (outdoor) air samples on December 12, 2024, at the locations shown on Figure 5. A temporary sub-slab monitoring point was installed adjacent to the previous sampling. The monitoring point was installed in accordance with the NYSDOH guidance document *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006). The temporary point was constructed of food-grade polyethylene tubing installed into the gravel subbase after drilling through the concrete floor slab with a rotary hammer. The annulus between the tubing and the surrounding floor slab was sealed with non-VOC containing modeling clay.

Sample collection was completed in accordance with the detailed specifications in Section 3.3.2 of the SMP. A new, dedicated polyethylene sampling tube was used for sampling. Prior to sampling, the probe/tubing was purged to remove air that could dilute or otherwise bias the sample. A helium tracer gas test was performed to verify that no infiltration of atmospheric air would occur during sampling. The tracer gas test consisted of applying a 5-gallon bucket shroud over the sampling probe. The sample tubing was then connected to a portable helium detector. Helium gas was introduced inside the shroud to enrich the atmosphere surrounding the probe with helium. A vapor sample was then drawn from the tubing and analyzed with a helium detector for the presence of the tracer gas. No short circuiting was indicated by the helium tracer gas test.

After purging and tracer testing, the sub-slab soil vapor tubing was attached to a 6-liter Summa canister provided by the analytical laboratory (SV-1). Contemporaneous indoor air (IA-1) (co-located with SV-1) and ambient (outdoor) air (AA-1) samples were also collected. The canisters were allowed to fill for approximately 8 hours. Details of the sample collection are provided on the Vapor Sample Collection Field Forms contained in Appendix F. The samples were submitted to Eurofins Lancaster Laboratories of Lancaster, Pennsylvania for analysis of VOCs by EPA Method TO-15.

Following collection of SV-1, through the temporary sub-slab monitoring point, the monitoring point is backfill with bentonite and sealed with ready-mixed concrete patch.

2.2.3 Analytical Data Validation

Jeffrey Davin of BCA validated the soil vapor analytical data package. A DUSR was prepared for the soil vapor data package (Appendix C). Overall, the analytical data for the soil vapor monitoring were determined to be acceptable for the intended purposes.

- Minor analytical issues were found with the following data quality indicators resulting in qualified results: canister certification detections. Sample detection limits associated with the canister cleaning job less than the reporting limit are qualified non-detect, U, at the reporting limits, reason Code 2.

2.2.4 Analytical Results

Table 4 summarizes the analytical results for the soil vapor, indoor air and ambient (outdoor) air samples and compares them to available screening values. Because NYSDOH Air Guideline values have been issued for only a limited number of analytes, the EPA Office of Solid Waste and Emergency Response (OSWER) screening levels¹ are also used for comparison (EPA, 2023). NYS currently has no compound-specific guidance values for soil vapor. Accordingly, sub-slab concentrations are compared to the OSWER shallow soil gas screening levels, which are based on the indoor air screening levels and assume a 10-fold attenuation factor between shallow soil gas and indoor air.

Perchloroethylene (PCE, tetrachloroethene) was detected (680 µg/m³) above the above the OSWER shallow soil gas screening level (180 µg/m³) in the sub-slab vapor sample. PCE was not detected in indoor air with a method detection limit of 1.7 µg/m³. This is an indication that the floor slab is an effective barrier to vapor intrusion. NYSDOH's updated Soil Vapor/Indoor Air Matrix B (May 2017) recommends no further action for PCE as vapor concentrations are between 100 and 1,000 µg/m³ and the indoor air concentration is less than 3 µg/m³. PCE has been previously detected in groundwater upgradient of and beneath the Site (Appendix D).

The only compounds detected above applicable screening levels in indoor air were Benzene (6.1 µg/m³), and Ethylbenzene (11 µg/m³). The OSWER target indoor air concentration for Benzene is 1.6 µg/m³ and the OSWER target indoor air concentration for Ethylbenzene is 4.9 µg/m³. These detections are likely due the presence of gasoline powered equipment in the indoor space as described in Section 2.2.1. Benzene was not detected in the sub-slab vapor sample and Ethylbenzene was detected in the sub-slab vapor sample at a level below the OSWER target soil gas concentration.

A review of soil vapor/indoor air matrices provided by the NYSDOH guidance document for evaluating soil vapor intrusion indicated the following:

- Matrix A – all constituents require no further action.
- Matrix B – all constituents require no further action.
- Matrix C – all constituents require no further action.
- Matrix D – Ethylbenzene, Naphthalene, Isooctane, 1,2,4-Trimethylbenzene, and o-xylene are noted as “identify source(s) or resample or mitigate” as a result of indoor air concentrations.
- Matrix E – m,p-xylene is noted as “identify source(s) or resample or mitigate” as a result of indoor air concentration. Heptane and hexane concentrations in indoor air require no further action.
- Matrix F – toluene (the only constituent in this matrix) requires no further action.

As noted above the indoor air concentrations of constituents found in Matrix D and Matrix E are likely due to the presence of gasoline powered equipment in the indoor space.

Trend Plots. Figures 6a through 6g show soil vapor and indoor air concentration trends for seven compounds that have historically been detected at concentrations above the corresponding screening or guidance value: Benzene, Chloroform, Ethylbenzene, Tetrachloroethene, Trichloroethene, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene. Non-detect concentrations are plotted as 0.

Chlorinated Solvents

¹ The screening levels used are for Composite Worker, target cancer risk (TR) of 10⁻⁶ and non-carcinogenic target hazard quotient (THQ) of 0.1. When OSWER provides both TR and THQ screening values for a particular chemical, the lower of the two values is used for comparison with the analytical result.

Trends for chloroform, tetrachloroethene and trichloroethene are discussed below. These three compounds, all chlorinated solvents, are attributed a groundwater plume emanating from an off-site unidentified source.

Chloroform (Figure 6d) detected above the soil vapor screening level in both 2022 and 2023 was below the screening level in 2024, which is typical for this compound. Chloroform has never been detected in indoor air.

Tetrachloroethene (Figure 6f) is routinely detected above the soil vapor screening level at the Site. This is true for the 2024 concentration. As discussed above PCE has previously been detected in groundwater upgradient and beneath the Site, however indoor air concentrations are well below screening and guidance levels as the floor slab is acting as an effective barrier to vapor intrusion.

Trichloroethene (Figure 6g) was detected in soil vapor in 2024 at a concentration less than the soil vapor screening level, which is typical for this compound. Trichloroethene has only been detected in indoor air once during the monitoring period (December 2018).

Petroleum Hydrocarbons

Trends for benzene, ethylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene are discussed below. These petroleum hydrocarbons are associated with the presence of gasoline vapors in the indoor air, linked to the storage of gasoline-powered equipment.

Ethylbenzene (Figure 6e) was detected above the indoor air screening level in 2024, consistent with previous years. The presence of ethylbenzene is attributed to the storage of gasoline powered equipment in the indoor space as historically the compound has been detected at low concentrations in the soil vapor.

Benzene (Figure 6c), 1,2,4-Trimethylbenzene (Figure 6a), and 1,3,5-Trimethylbenzene (Figure 6b) were all detected in the indoor air sampling 2024 below their respective screening levels. This is consistent with previous years. These compounds detected when detected in soil vapor are typically below their soil vapor screening level, with one exception (1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene) in November 2017.

Section 3

Site Inspection and Evaluation

The SMP specifies that Site-wide inspections will be performed on a regular schedule at a minimum of once a year. BCA conducted the annual Site inspection on December 11, 2024. The objectives of the inspection were to:

- Evaluate compliance with all ICs, including Site usage and the prohibition of groundwater use.
- Evaluate general Site conditions at the time of the inspection.
- Evaluate Site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection.
- Confirm that Site records are up to date.

BCA's inspector, Brian Taylor, P.G., observed the exterior grounds of the Bartlett facility and both floors of the office building. Mr. Taylor met with and interviewed Bartlett's on-Site facility manager, Mr. Whitney Lewis. The findings are described below. A photographic log is provided in Appendix G.

Site Use. Bartlett continues to utilize the Site solely as a base of operations for its Long Island tree care service business. The only building on the premises is the two-story office/garage building located at the south end of the Site. The ground floor of the building continues to be utilized as a garage, maintenance, and storage area for tree care equipment, including trucks and gasoline-powered tools such as chain saws, line trimmers, and leaf blowers. The northern portion of the ground floor continues to be utilized as a change room and locker area for field personnel. The second floor of the building consists of offices, a meeting room, and a reception area and continues to be used for Bartlett's business administration purposes. The exterior areas of the Site are accessed via a driveway extending along the west side of the office/garage building. The exterior areas continue to be used for storage of tree-care equipment and parking of tree service trucks and employee vehicles. A newer secure storage locker for pesticides located adjacent to the north end of the office/garage building replaced the older storage locker (Photographs 4 and 15 of Photographic Log, Appendix G).

Groundwater Use. On-Site groundwater is not used and there are no production wells located on the Site. Water is supplied by the Westbury Water District, 160 Drexel Avenue, Westbury, New York 11590.

Areas of Remaining Soil Contamination. Three areas of remaining soil contamination were designated in the SMP, as follows (refer to Figure 7 for locations):

- **Boring SB-7.** DDT was detected at this location at 2.9 parts per million (ppm) (above the 6NYCRR Part 375-6 Residential Soil Cleanup Objective [SCO] but below the Commercial SCO) in the sample interval from 0-2 feet below ground surface (bgs).
- **Boring SB-6.** Mercury was detected at this location at 1.05 ppm (above the Residential SCO but below the Commercial SCO) in the sample interval from 0-2 feet bgs.
- **Test Pit TP-2.** Mercury was detected at this location at 3.62 ppm (above the Commercial SCO) in the sample interval from 1-2 feet bgs.

There was no disturbance of the areas of remaining contamination that resulted in unacceptable exposure to the underlying soils, as follows:

- At the time of the annual inspection the area of boring SB-7 was observed to be covered by the aggregate that had been installed in May-June 2018. Mr. Lewis confirmed that no disturbance of the SB-7 area has occurred since the last inspection. The area of SB-7 is shown in Photograph #16 of the Photographic Log (Appendix G).
- At the time of the annual inspection the area of boring SB-6 was observed to be covered by the aggregate that had been installed in May-June 2018. Mr. Lewis confirmed that no disturbance of the SB-6 area has occurred since the last inspection. The area of SB-6 is shown in Photograph #17 of the Photographic Log (Appendix G).
- The area of test pit TP-2 remained covered by fill and a cast iron/concrete sewer cleanout structure that was installed when the office/garage building was connected to the municipal sanitary sewer in 2009. Asphalt paving was placed over the fill in June 2018. The area of TP-2 is shown in Photograph #18 of the Photographic Log (Appendix G).

Concrete Building Slab Inspection. Observations of the concrete building slab on the ground floor of the building, confirm no disturbance or significant cracks/deterioration. The condition of the building slab is shown in Photographs #5, 6, 7, and 9 of the Photographic Log (Appendix G).

Records of periodic Site inspections conducted during the 2024 calendar year are provided in Appendix H.

3.1 Conclusions and Recommendations

Based on the inspection and monitoring reported herein, it is concluded the Site remedy is being implemented in accordance with the requirements of the SMP and remains effective.

Shallow Monitoring Wells.

Dieldrin was detected at concentrations greater than its Part 703 standard in both the unfiltered and filtered samples from MW-4, and in the unfiltered sample from MW-5 in October 2024. MW-4 and MW-5 are downgradient from former Drywell 1. Dieldrin was not detected in any of the samples collected from well MW-3 (upgradient of former Drywell 1).

Deep Monitoring Well.

4,4'-DDD and Dieldrin were detected at concentrations greater than their respective Part 703 standards in the unfiltered sample from MW-2D in October 2024. MW-2D is downgradient from former Drywell 1. 4,4'-DDD was detected below its Part 703 standard in the unfiltered sample from well MW-2D, while Dieldrin was not detected in the filtered sample collected from well MW-2D.

Groundwater monitoring indicates that pesticide concentrations have declined from pre-remediation levels. This is attributed to the 2012 excavation and removal of the source material that was associated with former Drywell 1. Comparison of filtered and unfiltered results indicates the detected pesticides are largely sorbed onto suspended particulate matter. In all instances the dissolved (filtered) groundwater concentrations were less than the total (unfiltered) concentrations. Dieldrin continues to be detected in downgradient shallow monitoring well (MW-4) at concentrations above the standard of 0.004 ug/L (4 ppt).

As was noted in the Remedial Investigation (RI) Report (BCA, August 2013), the zone screened by MW-2D is hydrologically isolated by the overlying silty clay layer, and groundwater samples from the deeper wells indicate dissolved impacts do not extend below the silty clay layer. The RI Report discusses the entry of surface water into MW-2D following heavy rain events and the correlation between these events and elevated concentrations of pesticides in the well. Following installation of aggregate in the unpaved portions of the parking lot in Spring 2018 and additional monitoring well

protections, concentrations of dissolved (filtered) concentrations in MW-2D have been consistently below the Part 703 standard, with the exception of August 2020.

SVI monitoring demonstrates the office building slab continues to be an effective barrier against intrusion of sub-slab PCE vapors originating from an unidentified off-Site source.

The three areas of remaining soil contamination are covered by aggregate (SB-6, SB-7) or paving (TP-2) and have not been disturbed.

Recommendations

Groundwater monitoring should continue to include duplicate field-filtered samples collected from all wells, regardless of measured turbidity, to evaluate the effects of sample turbidity on analytical results. The next groundwater monitoring event is scheduled for August 2025.

Section 4

Certification of Institutional Controls

In accordance with the SMP, at the conclusion of the 2024 reporting period, a Qualified Environmental Professional (QEP) makes the following certification:

For each institutional control identified for the Site, I certify that all of the following statements are true:

- The institutional control employed at this Site is unchanged from the date the control was put in place, or last approved by the NYSDEC.
- Nothing has occurred that would impair the ability of the institutional control to protect the public health and environment.
- Nothing has occurred that would constitute a violation or failure to comply with the SMP for this institutional control.
- Access to the Site will continue to be provided to the NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of this institutional control.
- Use of the Site is compliant with the Environmental Easement.
- The information presented in this report is accurate and complete.
- I certify that all information and statements in this certification form 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, Brian F. Taylor, of Brown and Caldwell Associates, 300 Great Oaks Boulevard, Suite 300-070, Albany, New York 12203, am certifying as Owner's Designated Site Representative for the Site.



Brian F. Taylor, P.G.
N.Y.P.G License Number 000321

Section 5

Limitations

This document was prepared solely for F. A. Bartlett Tree Expert Company and its affiliate Bartlett Realty Company AND The West Firm PLLC (collectively, Client) in accordance with professional standards at the time the services were performed and in accordance with the contract between Client and Brown and Caldwell dated October 17, 2006. This document is governed by the specific scope of work authorized by Client; it is not intended to be relied upon by any other party except for regulatory authorities contemplated by the scope of work. We have relied on information or instructions provided by Client and other parties and, unless otherwise expressly indicated, have made no independent investigation as to the validity, completeness, or accuracy of such information.



Section 6

References

Brown and Caldwell Associates, Remedial Investigation Report, Bartlett Tree Company Site #1-30-074, Nassau County, New York, August 2013

Brown and Caldwell Associates, Site Management Plan, Bartlett Tree Company Site, NYSDEC Site #0130074, April 20, 2015

Brown and Caldwell Associates, Addendum to Site Management Plan Effective April 13, 2017, NYSDEC Site #0130074, August 14, 2017

Brown and Caldwell Associates, Addendum to Site Management Plan Effective December 16, 2019, NYSDEC Site #0130074, January 16, 2020

Brown and Caldwell Associates, Addendum to Site Management Plan Effective April 15, 2020, NYSDEC Site #0130074, August 10, 2020

Brown and Caldwell Associates, 2020 Periodic Review Report, Bartlett Tree Company Site, NYSDEC Site #0130074, February 24, 2021

EPA, Office of Solid Waste and Emergency Response, Regional Screening Level (RSL) Composite Worker Ambient Air Table (TR=1E-06, HQ=0.1), November 2023, <https://semspub.epa.gov/work/HQ/400447.pdf>

NYSDEC, CP-43: Groundwater Monitoring Well Decommissioning Policy; November 3, 2009, which references Final Groundwater Monitoring Well Decommissioning Procedures; NYSDEC Division of Environmental Remediation; August 2009

NYSDOH, Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, New York State Department of Health, Center for Environmental Health, Bureau of Environmental Exposure Investigation, October 2006

Tables



TABLE 1
WATER LEVEL MEASUREMENTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Location ID			<u>4/14/2015</u>		<u>4/11/2016</u>		<u>9/26/2016</u>		<u>5/16/2017</u>		<u>10/16/2017</u>		<u>5/30/2018</u>	
	Top of Casing	Screened	Depth to	Water	Depth to	Water	Depth to	Water	Depth to	Water	Depth to	Water	Depth to	Water
	Elevation	Interval	Water	Elevation	Water	Elevation	Water	Elevation	Water	Elevation	Water	Elevation	Water	Elevation
	(ft., NGVD)	(ft., BGS)	(ft., BTOC)	(ft., NGVD)	(ft., BTOC)	(ft., NGVD)	(ft., BTOC)	(ft., NGVD)	(ft., BTOC)	(ft., NGVD)	(ft., BTOC)	(ft., NGVD)	(ft., BTOC)	(ft., NGVD)
Shallow Overburden Wells														
MW-1S	104.74	32-47	32.78	71.96	35.03	69.71	36.88	67.86	36.2	68.54	37.58	67.16	35.43	69.31
MW-2S**	103.96	32-47	32.39	71.57	34.5	69.46	36.45	67.51	36.42	67.54	37.34	66.62	34.4	69.56
MW-3*	104.24	32-47	32.62	71.62	34.79	69.45	36.83	67.41	36.35	67.89	37.61	66.63	35.35	68.89
MW-4	104.29	29-44	32.71	71.58	34.88	69.41	36.98	67.31	36.7	67.59	37.82	66.47	35.71	68.58
MW-5	104.06	29-44	32.59	71.47	34.77	69.29	36.83	67.23	36.59	67.47	37.65	66.41	35.55	68.51
Deep Overburden Wells														
MW-1D	104.93	62-72	33.50	71.43	35.19	69.74	38.95	65.98	NA	NA	NA	NA	NA	NA
MW-2D	103.90	62-72	33.23	70.67	35.11	68.79	38.25	65.65	38.02	65.88	39.36	64.54	37.48	66.42

Notes:

-- no measurement

NA - Well dropped from monitoring program.

NGVD - National Geodetic Vertical Datum

BGS - Below Ground Surface

BTOC - Below Top of Casing

* All wells re-surveyed April 1, 2010; elevation revised due to PVC settling.

** MW-2S was damaged prior to the May 30, 2018 water level measurement. Depths to water and/or elevations beginning with May 30, 2018 may be unreliable.

1) Water level not measured due to well inaccessibility.

TABLE 1
WATER LEVEL MEASUREMENTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Location ID			9/24/2018		10/21/2019		8/17/2020		6/14/2021		4/14/2022		2/22/2023	
	Top of Casing	Screened	Depth to	Water	Depth to	Water	Depth to	Water	Depth to	Water	Depth to	Water	Depth to	Water
	Elevation	Interval	Water	Elevation	Water	Elevation	Water	Elevation	Water	Elevation	Water	Elevation	Water	Elevation
	(ft., NGVD)	(ft., BGS)	(ft., BTOC)	(ft., NGVD)	(ft., BTOC)	(ft., NGVD)	(ft., BTOC)	(ft., NGVD)	(ft., BTOC)	(ft., NGVD)	(ft., BTOC)	(ft., NGVD)	(ft., BTOC)	(ft., NGVD)
Shallow Overburden Wells														
MW-1S	104.74	32-47	36.19	68.55	-- ⁽¹⁾	-- ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA
MW-2S**	103.96	32-47	36.18	67.78	33.11	70.85	NA	NA	NA	NA	NA	NA	NA	NA
MW-3*	104.24	32-47	36.1	68.14	33.22	71.02	32.88	71.36	32.75	71.49	32.08	72.16	34.44	69.80
MW-4	104.29	29-44	36.5	67.79	33.40	70.89	33.03	71.26	32.94	71.35	32.20	72.09	34.55	69.74
MW-5	104.06	29-44	36.33	67.73	33.28	70.78	32.92	71.14	32.84	71.22	32.05	72.01	34.42	69.64
Deep Overburden Wells														
MW-1D	104.93	62-72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2D	103.90	62-72	38.5	65.40	34.06	69.84	34.23	69.67	34.26	69.64	32.63	71.27	35.2	68.70

Notes:

-- no measurement

NA - Well dropped from monitoring program.

NGVD - National Geodetic Vertical Datum

BGS - Below Ground Surface

BTOC - Below Top of Casing

* All wells re-surveyed April 1, 2010; elevation revised due to PVC settling.

** MW-2S was damaged prior to the May 30, 2018 water level measurement. Depths to water and/or elevations beginning with May 30, 2018 may be unreliable.

1) Water level not measured due to well inaccessibility.

TABLE 1
WATER LEVEL MEASUREMENTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Location ID	Top of Casing Elevation (ft., NGVD)	Screened Interval (ft., BGS)	12/12/2023		10/17/2024	
			Depth to Water (ft., BTOC)	Water Elevation (ft., NGVD)	Depth to Water (ft., BTOC)	Water Elevation (ft., NGVD)
Shallow Overburden Wells						
MW-1S	104.74	32-47	NA	NA	NA	NA
MW-2S**	103.96	32-47	NA	NA	NA	NA
MW-3*	104.24	32-47	33.85	70.39	31.62	72.62
MW-4	104.29	29-44	34.08	70.21	31.73	72.56
MW-5	104.06	29-44	33.96	70.10	31.62	72.44
Deep Overburden Wells						
MW-1D	104.93	62-72	NA	NA	NA	NA
MW-2D	103.90	62-72	34.84	69.06	32.64	71.26

Notes:

- - no measurement

NA - Well dropped from monitoring program.

NGVD - National Geodetic Vertical Datum

BGS - Below Ground Surface

BTOC - Below Top of Casing

* All wells re-surveyed April 1, 2010; elevation revised due to PVC settling.

** MW-2S was damaged prior to the May 30, 2018 water level measurement. Depths to water and/or elevations beginning with May 30, 2018 may be unreliable.

1) Water level not measured due to well inaccessibility.

TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

			MW-1S	MW-1S/DUP-20160411		MW-1S	MW-1S	MW-1S	MW-1S/DUP-20180531	
	Part 703		Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered
Constituent	Standard ¹	Units	4/14/2015	4/11/2016	4/11/2016	9/26/2016	5/17/2017	10/16/2017	5/31/2018	5/31/2018
Organochlorine Pesticides - Method 8081B										
4,4'-DDD	0.3	µg/L	0.004 U	0.0041 U	0.0042 U	0.0041 U	0.004 U	0.004 U	0.004 U	0.0041 U
4,4'-DDE	0.2	µg/L	0.004 U	0.0041 U	0.0042 U	0.0041 U	0.004 U	0.004 U	0.004 U	0.0056 J
4,4'-DDT	0.2	µg/L	0.0058 J	0.0043 U	0.0044 U	0.0043 U	0.0042 UJ	0.0042 U	0.0042 U	0.0043 U
Aldrin	0	µg/L	0.0016 U	0.0017 U	0.0017 U	0.0017 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
alpha Endosulfan	NE	µg/L	0.0035 U	0.0036 U	0.0036 U	0.0036 U	0.0035 U	0.0035 U	0.0034 U	0.0035 U
beta Endosulfan	NE	µg/L	0.012 U	0.012 U	0.013 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
BHC, alpha	0.01	µg/L	0.0024 U	0.0025 U	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U
BHC, beta	0.04	µg/L	0.0027 U	0.0028 U	0.0029 U	0.0028 U	0.0028 U	0.0087	0.0027 U	0.0028 U
BHC, delta	0.04	µg/L	0.0027 U	0.0028 U	0.0029 U	0.0028 U	0.0028 U	0.0027 U	0.0036 J	0.0028 U
BHC, gamma (Lindane)	0.05	µg/L	0.0016 U	0.0017 U	0.0017 U	0.0026 J	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Chlordane, alpha	0.05	µg/L	0.0036 U	0.014	0.016	0.027	0.0055 JP	0.0024 U	0.031 U	0.022 U
Chlordane, beta	0.05	µg/L	0.0056 U	0.0077 J	0.0059 U	0.016 J	0.0082 JP	0.0056 U	0.022 J	0.01 J
Dieldrin	0.004	µg/L	0.0043 U	0.027	0.032	0.11	0.0043 U	0.006 J	0.067 J	0.046 J
Endosulfan sulfate	NE	µg/L	0.0047 U	0.0048 U	0.0049 U	0.0048 U	0.0047 U	0.0047 U	0.0046 U	0.0048 U
Endrin	0	µg/L	0.0065 U	0.0067 U	0.0068 U	0.0067 U	0.0066 UJ	0.0065 U	0.0065 U	0.0067 U
Endrin aldehyde	5	µg/L	0.016 U	0.017 U	0.017 U	0.017 U	0.016 U	0.016 U	0.016 U	0.016 U
Endrin ketone	5	µg/L	0.004 U	0.0041 U	0.0042 U	0.0041 U	0.004 U	0.004 U	0.004 U	0.0041 U
Heptachlor	0.04	µg/L	0.0016 U	0.0017 U	0.0017 U	0.0017 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Heptachlor epoxide	0.03	µg/L	0.0019 U	0.0034 J	0.0037 J	0.0034 J	0.0019 J	0.0019 U	0.022 J	0.016 J
Methoxychlor	35	µg/L	0.024 U	0.025 U	0.025 U	0.025 U	0.024 U	0.024 U	0.024 U	0.025 U
Toxaphene	0.06	µg/L	0.24 U	0.25 U	0.25 U	0.25 U	0.24 U	0.24 U	0.24 U	0.25 U

Notes:

U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.

J - Estimated concentration. The result is below the quantitation limit but above the MDL.

UJ - Constituent was analyzed, but was not detected above the sample reporting limit; and the reporting limit is approximate.

NE - Standard not established

Concentrations presented in bold font with solid border exceed the NYS Part 703 Standard

(1) Value of 0 indicates NYS Part 703 standard for this constituent is non-detect.

TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Constituent	Part 703 Standard ¹	Units	MW-1S Unfiltered 9/24/2018	MW-2S Unfiltered 4/14/2015	MW-2S Unfiltered 4/12/2016	MW-2S Unfiltered 9/26/2016	MW-2S Unfiltered 5/16/2017	MW-2S Unfiltered 10/17/2017
Organochlorine Pesticides - Method 8081B								
4,4'-DDD	0.3	µg/L	0.004 U	0.053	0.0083 J	0.0042 U	0.005 UV	0.004 U
4,4'-DDE	0.2	µg/L	0.004 U	0.0084 J	0.0041 U	0.0042 U	0.004 U	0.004 U
4,4'-DDT	0.2	µg/L	0.0042 U	0.051	0.0086 J	0.0054 J	0.0042 UJ	0.0073 J
Aldrin	0	µg/L	0.0016 U	0.0016 U	0.0016 U	0.0017 U	0.0016 U	0.0016 U
alpha Endosulfan	NE	µg/L	0.0053 J	0.0035 U	0.0035 U	0.0036 U	0.0035 U	0.0036 J
beta Endosulfan	NE	µg/L	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U	0.012 U
BHC, alpha	0.01	µg/L	0.0024 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U	0.0024 U
BHC, beta	0.04	µg/L	0.0027 U	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.0027 U
BHC, delta	0.04	µg/L	0.0027 U	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.0027 U
BHC, gamma (Lindane)	0.05	µg/L	0.0016 U	0.005 J	0.0045 J	0.0017 U	0.0016 U	0.0016 U
Chlordane, alpha	0.05	µg/L	0.0024 U	0.07	0.051	0.03	0.021 J	0.01
Chlordane, beta	0.05	µg/L	0.013 J	0.0057 U	0.039	0.029	0.015 J	0.017
Dieldrin	0.004	µg/L	0.025	0.16	0.043	0.02	0.016 J	0.03
Endosulfan sulfate	NE	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0047 U
Endrin	0	µg/L	0.0065 U	0.0066 U	0.0066 U	0.0068 U	0.0066 U	0.0065 U
Endrin aldehyde	5	µg/L	0.016 U	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U
Endrin ketone	5	µg/L	0.004 U	0.004 U	0.0041 U	0.0042 U	0.004 U	0.004 U
Heptachlor	0.04	µg/L	0.0016 U	0.0016 U	0.0016 U	0.0017 U	0.0016 U	0.0016 U
Heptachlor epoxide	0.03	µg/L	0.0018 U	0.0019 U	0.0045 J	0.0019 U	0.0033 JP	0.0032 J
Methoxychlor	35	µg/L	0.024 U	0.024 U	0.025 U	0.025 U	0.024 U	0.024 U
Toxaphene	0.06	µg/L	0.24 U	0.24 U	0.25 U	0.25 U	0.24 U	0.24 U

Notes:

U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.

J - Estimated concentration. The result is below the quantitation limit but above the MDL.

UJ - Constituent was analyzed, but was not detected above the sample reporting limit; and the reporting limit is approximate.

NE - Standard not established

Concentrations presented in bold font with solid border exceed the NYS Part 703 Standard

(1) Value of 0 indicates NYS Part 703 standard for this constituent is non-detect.

TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Constituent	Part 703 Standard ¹	Units	MW-3	MW-3	MW-3	MW-3/DUP20170516		MW-3/DUP-20171016		MW-3
			Unfiltered 4/15/2015	Unfiltered 4/11/2016	Unfiltered 9/27/2016	Unfiltered 5/16/2017	Unfiltered 5/16/2017	Unfiltered 10/16/2017	Unfiltered 10/16/2017	Unfiltered 5/31/2018
Organochlorine Pesticides - Method 8081B										
4,4'-DDD	0.3	µg/L	0.0041 UJ	0.0043 U	0.0041 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
4,4'-DDE	0.2	µg/L	0.011 J	0.0043 U	0.0041 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
4,4'-DDT	0.2	µg/L	0.028 J	0.0045 U	0.0042 U	0.0046 UV	0.0045 UV	0.0064 J	0.0042 U	0.0042 U
Aldrin	0	µg/L	0.0016 UJ	0.0017 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
alpha Endosulfan	NE	µg/L	0.0035 UJ	0.0037 U	0.0083 UJ	0.0035 U	0.0035 U	0.0046 J	0.0054 J	0.0045 J
beta Endosulfan	NE	µg/L	0.012 UJ	0.013 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
BHC, alpha	0.01	µg/L	0.0024 UJ	0.0026 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U
BHC, beta	0.04	µg/L	0.0028 UJ	0.003 U	0.0028 U	0.0028 U	0.0027 U	0.0031 J	0.0027 U	0.0027 U
BHC, delta	0.04	µg/L	0.0028 UJ	0.003 U	0.0028 U	0.0028 U	0.0027 U	0.0027 U	0.0027 U	0.0027 U
BHC, gamma (Lindane)	0.05	µg/L	0.0016 UJ	0.0017 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Chlordane, alpha	0.05	µg/L	0.049	0.03	0.021	0.017 J	0.017 J	0.015	0.018	0.012 U
Chlordane, beta	0.05	µg/L	0.036 J	0.021	0.013 J	0.014 J	0.012 J	0.0091 J	0.013 J	0.0071 J
Dieldrin	0.004	µg/L	0.11	0.018	0.028	0.024	0.024	0.026	0.032	0.0078 J
Endosulfan sulfate	NE	µg/L	0.0047 UJ	0.005 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0046 U	0.0046 U
Endrin	0	µg/L	0.012 J	0.007 U	0.0066 U	0.0066 UJ	0.0065 UJ	0.0065 U	0.0065 U	0.0065 U
Endrin aldehyde	5	µg/L	0.016 UJ	0.017 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U
Endrin ketone	5	µg/L	0.0041 UJ	0.0043 U	0.0041 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Heptachlor	0.04	µg/L	0.0016 UJ	0.0017 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Heptachlor epoxide	0.03	µg/L	0.0019 UJ	0.002 U	0.0089	0.0044 J	0.0044 JP	0.0047 J	0.0069 J	0.0083
Methoxychlor	35	µg/L	0.024 UJ	0.026 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U
Toxaphene	0.06	µg/L	0.24 UJ	0.26 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U

Notes:

U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.

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NE - Standard not established

Concentrations presented in bold font with solid border exceed the NYS Part 703 Standard

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TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Constituent	Part 703 Standard ¹	Units	MW-3/DUP-20180924		MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
			Unfiltered 9/24/2018	Unfiltered 9/24/2018	Unfiltered 10/21/2019	Unfiltered 8/17/2020	Filtered 8/17/2020	Unfiltered 6/14/2021	Filtered 6/14/2021	Unfiltered 4/14/2022
Organochlorine Pesticides - Method 8081B										
4,4'-DDD	0.3	µg/L	0.004 U	0.0041 U	0.005 U	0.0051 U	0.0054 U	0.0051 U	0.005 U	0.005 U
4,4'-DDE	0.2	µg/L	0.004 U	0.0041 U	0.005 U	0.0051 U	0.0054 U	0.0051 U	0.005 U	0.005 U
4,4'-DDT	0.2	µg/L	0.0042 U	0.0043 U	0.0052 U	0.0053 U	0.0057 U	0.0053 U	0.0052 U	0.0052 U
Aldrin	0	µg/L	0.0016 U	0.0017 U	0.002 U	0.002 U	0.0022 U	0.002 U	0.002 U	0.002 U
alpha Endosulfan	NE	µg/L	0.022	0.017	0.0078 J	0.0044 U	0.0047 U	0.0044 U	0.0043 U	0.0043 U
beta Endosulfan	NE	µg/L	0.012 U	0.012 U	0.015 U	0.015 U	0.016 U	0.015 U	0.015 U	0.015 U
BHC, alpha	0.01	µg/L	0.0024 U	0.0025 U	0.003 U	0.003 U	0.0033 U	0.0031 U	0.003 U	0.003 U
BHC, beta	0.04	µg/L	0.0027 U	0.0028 U	0.0034 U	0.0034 U	0.0037 U	0.0035 U	0.0034 U	0.011 U
BHC, delta	0.04	µg/L	0.0027 U	0.0028 U	0.0034 U	0.0034 U	0.0037 U	0.0035 U	0.0034 U	0.0034 U
BHC, gamma (Lindane)	0.05	µg/L	0.0016 U	0.0017 U	0.002 U	0.002 U	0.0022 U	0.002 U	0.002 U	0.002 U
Chlordane, alpha	0.05	µg/L	0.019 P	0.015 P	0.016	0.0084 J	0.0044 J	0.0096 J	0.003 U	0.0041 J
Chlordane, beta	0.05	µg/L	0.0056 U	0.0058 U	0.007 U	0.0071 U	0.0076 U	0.0071 U	0.007 U	0.0069 U
Dieldrin	0.004	µg/L	0.0081 J	0.0065 J	0.0053 U	0.0054 U	0.0058 U	0.0054 U	0.0053 U	0.006 J
Endosulfan sulfate	NE	µg/L	0.0046 U	0.0048 U	0.0058 U	0.0059 U	0.0063 U	0.0059 U	0.0058 U	0.0057 U
Endrin	0	µg/L	0.0065 U	0.0067 U	0.0081 U	0.0082 U	0.0088 U	0.0082 U	0.0081 U	0.008 U
Endrin aldehyde	5	µg/L	0.016 U	0.017 U	0.02 U	0.02 U	0.022 U	0.02 U	0.02 U	0.02 U
Endrin ketone	5	µg/L	0.004 U	0.0041 U	0.005 U	0.0051 U	0.0054 U	0.0051 U	0.005 U	0.005 U
Heptachlor	0.04	µg/L	0.0016 U	0.0017 U	0.002 U	0.002 U	0.0022 U	0.002 U	0.002 U	0.002 U
Heptachlor epoxide	0.03	µg/L	0.011	0.009	0.0034 J	0.0023 U	0.0025 U	0.0023 U	0.0023 U	0.0049 J
Methoxychlor	35	µg/L	0.024 U	0.025 U	0.03 U	0.03 U	0.033 U	0.031 U	0.03 U	0.03 U
Toxaphene	0.06	µg/L	0.24 U	0.25 U	0.3 U	0.3 U	0.33 U	0.31 U	0.3 U	0.3 U

Notes:

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TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Constituent	Part 703 Standard ¹	Units	MW-3 Filtered 4/14/2022	MW-3 Unfiltered 2/22/2023	MW-3 Filtered 2/22/2023	MW-3 Unfiltered 12/13/2023	MW-3 Filtered 12/12/2023	MW-3 Unfiltered 10/17/2024	MW-3 Filtered 10/17/2024
Organochlorine Pesticides - Method 8081B									
4,4'-DDD	0.3	µg/L	0.0048 U	0.025 U	0.025 U	0.0052 U	0.0051 U	0.005 U	0.0051 U
4,4'-DDE	0.2	µg/L	0.0048 U	0.025 U	0.025 U	0.0052 U	0.0051 U	0.005 U	0.0051 U
4,4'-DDT	0.2	µg/L	0.005 U	0.026 U	0.026 U	0.0054 U	0.0053 U	0.0052 U	0.0053 U
Aldrin	0	µg/L	0.0019 U	0.01 U	0.01 U	0.0021 U	0.002 U	0.002 U	0.002 U
alpha Endosulfan	NE	µg/L	0.0041 U	0.022 U	0.022 U	0.0045 U	0.0044 U	0.0043 U	0.0044 U
beta Endosulfan	NE	µg/L	0.014 U	0.076 U	0.075 U	0.016 U	0.015 U	0.015 U	0.015 U
BHC, alpha	0.01	µg/L	0.0029 U	0.015 U	0.015 U	0.0031 U	0.003 U	0.003 U	0.003 U
BHC, beta	0.04	µg/L	0.011 U	0.056 U	0.055 U	0.011 U	0.011 U	0.011 U	0.011 U
BHC, delta	0.04	µg/L	0.0033 U	0.017 U	0.017 U	0.0036 U	0.0034 U	0.0034 U	0.0034 U
BHC, gamma (Lindane)	0.05	µg/L	0.0019 U	0.01 U	0.01 U	0.0021 U	0.002 U	0.002 U	0.002 U
Chlordane, alpha	0.05	µg/L	0.0029 U	0.015 U	0.015 U	0.0088 J	0.003 U	0.013 J	0.003 U
Chlordane, beta	0.05	µg/L	0.0067 U	0.036 U	0.035 U	0.0073 U	0.0071 U	0.0071 U	0.0071 U
Dieldrin	0.004	µg/L	0.0051 U	0.027 U	0.027 U	0.0055 U	0.0054 U	0.0053 U	0.0054 U
Endosulfan sulfate	NE	µg/L	0.0056 U	0.03 U	0.029 U	0.0061 U	0.0059 U	0.0059 U	0.0059 U
Endrin	0	µg/L	0.0078 U	0.041 U	0.041 U	0.0085 U	0.0082 U	0.0082 U	0.0082 U
Endrin aldehyde	5	µg/L	0.019 U	0.1 U	0.1 U	0.021 U	0.02 U	0.02 U	0.02 U
Endrin ketone	5	µg/L	0.0048 U	0.025 U	0.025 U	0.0052 U	0.0051 U	0.005 U	0.0051 U
Heptachlor	0.04	µg/L	0.0019 U	0.01 U	0.01 U	0.0021 U	0.002 U	0.002 U	0.002 U
Heptachlor epoxide	0.03	µg/L	0.0022 U	0.012 U	0.012 U	0.0024 U	0.0023 U	0.0063 J	0.0023 U
Methoxychlor	35	µg/L	0.029 U	0.15 U	0.15 U	0.031 U	0.03 U	0.03 U	0.03 U
Toxaphene	0.06	µg/L	0.29 U	1.5 U	1.5 U	0.31 U	0.3 U	0.3 U	0.3 U

Notes:

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TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

			MW-4/DUP-041415		MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
	Part 703		Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered
Constituent	Standard ¹	Units	4/14/2015	4/14/2015	4/14/2015	4/12/2016	9/27/2016	5/16/2017	10/16/2017	10/16/2017
Organochlorine Pesticides - Method 8081B										
4,4'-DDD	0.3	µg/L	0.041 J	0.004 U	0.0047 U	0.0078 U	0.0041 U	0.016 UV	0.013 J	0.004 U
4,4'-DDE	0.2	µg/L	0.0062 J	0.0074 J	0.0047 U	0.0041 U	0.0041 U	0.004 U	0.004 U	0.004 U
4,4'-DDT	0.2	µg/L	0.076	0.12	0.0048 U	0.036	0.028	0.046 J	0.031	0.0073 J
Aldrin	0	µg/L	0.0017 U	0.0016 U	0.0019 U	0.0017 U	0.0021 J	0.0016 U	0.0016 U	0.0016 U
alpha Endosulfan	NE	µg/L	0.0057 J	0.0054 U	0.004 U	0.0036 U	0.0045 J	0.0035 U	0.0035 U	0.0034 U
beta Endosulfan	NE	µg/L	0.013 U	0.012 U	0.014 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
BHC, alpha	0.01	µg/L	0.0026 U	0.0024 U	0.0028 U	0.0025 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U
BHC, beta	0.04	µg/L	0.003 U	0.0028 U	0.0032 U	0.0028 U	0.0028 U	0.0027 U	0.0067 J	0.0056 U
BHC, delta	0.04	µg/L	0.003 U	0.0028 U	0.0032 U	0.0028 U	0.0029 J	0.0027 U	0.0027 U	0.0027 U
BHC, gamma (Lindane)	0.05	µg/L	0.0027 J	0.0027 J	0.0019 U	0.0041 J	0.015	0.0081	0.0017 J	0.0016 U
Chlordane, alpha	0.05	µg/L	0.054 J	0.091 J	0.0028 U	0.06	0.059	0.031	0.02	0.0024 U
Chlordane, beta	0.05	µg/L	0.039 J	0.044 J	0.0065 U	0.034	0.0057 U	0.019 J	0.015 J	0.0056 U
Dieldrin	0.004	µg/L	0.14	0.14	0.0049 U	0.32	0.067	0.069	0.072	0.0042 U
Endosulfan sulfate	NE	µg/L	0.005 U	0.0047 U	0.0054 U	0.0048 U	0.0047 U	0.0047 U	0.0047 U	0.0046 U
Endrin	0	µg/L	0.007 UJ	0.041 J	0.0075 U	0.0067 U	0.0066 U	0.0065 UJ	0.0065 U	0.0065 U
Endrin aldehyde	5	µg/L	0.017 U	0.016 U	0.019 U	0.017 U	0.016 U	0.016 U	0.016 U	0.016 U
Endrin ketone	5	µg/L	0.0043 U	0.004 U	0.0047 U	0.0041 U	0.0041 U	0.004 U	0.004 U	0.004 U
Heptachlor	0.04	µg/L	0.0017 U	0.0016 U	0.0019 U	0.0017 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Heptachlor epoxide	0.03	µg/L	0.002 U	0.0019 U	0.0021 U	0.0089	0.0019 U	0.0045 J	0.003 U	0.0018 U
Methoxychlor	35	µg/L	0.026 U	0.024 U	0.028 U	0.025 U	0.024 U	0.024 U	0.024 U	0.024 U
Toxaphene	0.06	µg/L	0.26 U	0.24 U	0.28 U	0.25 U	0.24 U	0.24 U	0.24 U	0.24 U

Notes:

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PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

			MW-4	MW-4	MW-4	MW-4/DUP-202008017		MW-4/DUP-202008017	
			Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Filtered
			5/31/2018	9/25/2018	10/21/2019	8/17/2020	8/17/2020	8/17/2020	8/17/2020
Constituent	Part 703 Standard ¹	Units							
Organochlorine Pesticides - Method 8081B									
4,4'-DDD	0.3	µg/L	0.008 U	0.040 U	0.005 UJ	0.011 J	0.012 J	0.005 U	0.005 U
4,4'-DDE	0.2	µg/L	0.0041 U	0.04 U	0.0066 J	0.005 U	0.005 U	0.005 U	0.005 U
4,4'-DDT	0.2	µg/L	0.037	0.042 U	0.081	0.068 J	0.067 J	0.0052 U	0.0052 U
Aldrin	0	µg/L	0.0017 U	0.016 U	0.002 U	0.01 J	0.0088 J	0.002 U	0.002 U
alpha Endosulfan	NE	µg/L	0.0036 U	0.034 U	0.049	0.0064 J	0.0067 J	0.0043 U	0.0043 U
beta Endosulfan	NE	µg/L	0.012 U	0.12 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
BHC, alpha	0.01	µg/L	0.0025 U	0.024 U	0.003 U	0.28	0.27	0.2 J	0.14 J
BHC, beta	0.04	µg/L	0.0028 U	0.027 U	0.0034 U	0.0068 J	0.0062 J	0.0034 U	0.0034 U
BHC, delta	0.04	µg/L	0.0028 U	0.027 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U
BHC, gamma (Lindane)	0.05	µg/L	0.0017 U	0.016 U	0.002 U	0.014 J	0.014 J	0.0083 J	0.0076 J
Chlordane, alpha	0.05	µg/L	0.021	0.024 U	0.028	0.019 J	0.02	0.003 U	0.003 U
Chlordane, beta	0.05	µg/L	0.016 J	0.056 U	0.019 J	0.015 J	0.013 J	0.007 U	0.007 U
Dieldrin	0.004	µg/L	0.26	0.017	0.55	0.56	0.53	0.01 J	0.011 J
Endosulfan sulfate	NE	µg/L	0.0048 U	0.046 U	0.0058 U	0.33	0.3	0.0063 J	0.0068 J
Endrin	0	µg/L	0.0079 J	0.065 U	0.024	0.016 J	0.018 J	0.0081 U	0.0081 U
Endrin aldehyde	5	µg/L	0.017 U	0.16 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin ketone	5	µg/L	0.0041 U	0.04 U	0.0089 J	0.02 J	0.019 J	0.005 U	0.005 U
Heptachlor	0.04	µg/L	0.0017 U	0.016 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Heptachlor epoxide	0.03	µg/L	0.0055 J	0.018 U	0.0082 J	0.0091 J	0.01 J	0.0023 U	0.0023 U
Methoxychlor	35	µg/L	0.025 U	0.24 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Toxaphene	0.06	µg/L	0.25 U	2.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U

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PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

			MW-4/DUP-20210614		MW-4/DUP-20210614		MW-4/DUP-20220414		MW-4/DUP-20220414	
	Part 703		Unfiltered	Unfiltered	Filtered	Filtered	Unfiltered	Unfiltered	Filtered	Filtered
Constituent	Standard ¹	Units	6/14/2021	6/14/2021	6/14/2021	6/14/2021	4/14/2022	4/14/2022	4/14/2022	4/14/2022
Organochlorine Pesticides - Method 8081B										
4,4'-DDD	0.3	µg/L	0.0093 U	0.025 U	0.005 U	0.005 U	0.024 U	0.024 U	0.0048 U	0.0048 U
4,4'-DDE	0.2	µg/L	0.005 U	0.025 U	0.005 U	0.005 U	0.024 U	0.024 U	0.0048 U	0.0048 U
4,4'-DDT	0.2	µg/L	0.041 J	0.047 U	0.0052 U	0.0061 U	0.037 J	0.03 U	0.005 U	0.005 U
Aldrin	0	µg/L	0.002 U	0.01 U	0.002 U	0.002 U	0.0096 U	0.0096 U	0.0019 U	0.0019 U
alpha Endosulfan	NE	µg/L	0.0085 U	0.021 U	0.0043 U	0.0043 U	0.021 U	0.021 U	0.0041 U	0.0041 U
beta Endosulfan	NE	µg/L	0.015 U	0.075 U	0.015 U	0.015 U	0.072 U	0.072 U	0.014 U	0.014 U
BHC, alpha	0.01	µg/L	0.026 U	0.029 U	0.013 U	0.014 U	0.014 U	0.014 U	0.0029 U	0.004 J
BHC, beta	0.04	µg/L	0.0039 U	0.017 U	0.0034 U	0.0064 J	0.053 U	0.053 U	0.011 U	0.011 U
BHC, delta	0.04	µg/L	0.0034 U	0.017 U	0.0034 U	0.0034 U	0.016 U	0.016 U	0.0033 U	0.0033 U
BHC, gamma (Lindane)	0.05	µg/L	0.011 J	0.014 J	0.0059 J	0.0097 J	0.0096 U	0.0096 J	0.0029 J	0.0019 U
Chlordane, alpha	0.05	µg/L	0.025 J	0.031 J	0.003 U	0.003 U	0.021 J	0.021 J	0.0029 U	0.0029 U
Chlordane, beta	0.05	µg/L	0.014 U	0.035 U	0.007 U	0.007 U	0.034 U	0.034 U	0.0067 U	0.0067 U
Dieldrin	0.004	µg/L	0.73	0.78	0.012 J	0.014 J	1.1	1.2	0.052	0.045
Endosulfan sulfate	NE	µg/L	0.24	0.26	0.0058 U	0.0058 U	0.028 U	0.028 U	0.0056 U	0.0056 U
Endrin	0	µg/L	0.024 J	0.04 U	0.0081 U	0.0081 U	0.043 J	0.04 U	0.0078 U	0.0078 U
Endrin aldehyde	5	µg/L	0.02 U	0.1 U	0.02 U	0.02 U	0.096 U	0.096 U	0.019 U	0.019 U
Endrin ketone	5	µg/L	0.017 J	0.025 U	0.005 U	0.005 U	0.024 U	0.024 U	0.0048 U	0.0048 U
Heptachlor	0.04	µg/L	0.002 U	0.01 U	0.002 U	0.002 U	0.0096 U	0.0096 U	0.0019 U	0.0019 U
Heptachlor epoxide	0.03	µg/L	0.007 U	0.011 U	0.0023 U	0.0023 U	0.011 U	0.011 U	0.0022 U	0.0022 U
Methoxychlor	35	µg/L	0.03 U	0.15 U	0.03 U	0.03 U	0.14 U	0.14 U	0.029 U	0.029 U
Toxaphene	0.06	µg/L	0.3 U	1.5 U	0.3 U	0.3 U	1.4 U	1.4 U	0.29 U	0.29 U

Notes:

U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.

J - Estimated concentration. The result is below the quantitation limit but above the MDL.

UJ - Constituent was analyzed, but was not detected above the sample reporting limit; and the reporting limit is approximate.

NE - Standard not established

Concentrations presented in bold font with solid border exceed the NYS Part 703 Standard

(1) Value of 0 indicates NYS Part 703 standard for this constituent is non-detect.

TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

			MW-4/DUP-20230222		MW-4/DUP-20230222		MW-4/DUP-20231212		MW-4/DUP-20231212	
			Unfiltered 2/22/2023	Unfiltered 2/22/2023	Filtered 2/22/2023	Filtered 2/22/2023	Unfiltered 12/12/2023	Unfiltered 12/12/2023	Filtered 12/12/2023	Filtered 12/12/2023
Constituent	Part 703 Standard ¹	Units								
Organochlorine Pesticides - Method 8081B										
4,4'-DDD	0.3	µg/L	0.0051 U	0.025 U	0.0051 U	0.0051 U	0.005 J	0.0055 J	0.005 U	0.0052 U
4,4'-DDE	0.2	µg/L	0.0051 U	0.025 U	0.0051 U	0.0051 U	0.005 U	0.005 U	0.005 U	0.0052 U
4,4'-DDT	0.2	µg/L	0.014 J	0.026 U	0.0053 U	0.0053 U	0.02 J	0.021 J	0.0052 U	0.0072 J
Aldrin	0	µg/L	0.002 U	0.01 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0021 U
alpha Endosulfan	NE	µg/L	0.0043 U	0.022 U	0.0044 U	0.0044 U	0.0043 U	0.0043 U	0.0043 U	0.0044 U
beta Endosulfan	NE	µg/L	0.015 U	0.075 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
BHC, alpha	0.01	µg/L	0.098	0.015 U	0.003 U	0.003 U	0.003 U	0.014 J	0.003 U	0.0031 U
BHC, beta	0.04	µg/L	0.011 U	0.055 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
BHC, delta	0.04	µg/L	0.0034 U	0.017 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0035 U
BHC, gamma (Lindane)	0.05	µg/L	0.0039 J	0.01 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0021 U
Chlordane, alpha	0.05	µg/L	0.017 J	0.022 J	0.003 U	0.003 U	0.0051 J	0.0068 J	0.003 U	0.0031 U
Chlordane, beta	0.05	µg/L	0.024 J	0.035 U	0.0071 U	0.0071 U	0.0071 U	0.007 U	0.007 U	0.0072 U
Dieldrin	0.004	µg/L	0.6	0.64	0.0054 U	0.0054 U	0.095	0.1	0.026 J	0.023 J
Endosulfan sulfate	NE	µg/L	0.012 J	0.029 U	0.0059 U	0.0059 U	0.0058 U	0.0092 J	0.0058 U	0.006 U
Endrin	0	µg/L	0.018 J	0.041 U	0.0082 U	0.0082 U	0.0082 U	0.0081 U	0.0081 U	0.0084 U
Endrin aldehyde	5	µg/L	0.02 U	0.1 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.021 U
Endrin ketone	5	µg/L	0.0051 U	0.025 U	0.0051 U	0.0051 U	0.005 U	0.005 U	0.005 U	0.0052 U
Heptachlor	0.04	µg/L	0.02 UJ	0.01 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0021 U
Heptachlor epoxide	0.03	µg/L	0.02 UJ	0.012 U	0.0023 U	0.0023 U	0.0023 U	0.0024 J	0.0023 U	0.0024 U
Methoxychlor	35	µg/L	0.03 U	0.15 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.031 U
Toxaphene	0.06	µg/L	0.3 U	1.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.31 U

Notes:

U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.

J - Estimated concentration. The result is below the quantitation limit but above the MDL.

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TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Constituent	Part 703 Standard ¹	Units	MW-4 Unfiltered 10/17/2024	MW-4 Filtered 10/17/2024
Organochlorine Pesticides - Method 8081B				
4,4'-DDD	0.3	µg/L	0.05 U	0.0051 U
4,4'-DDE	0.2	µg/L	0.05 U	0.0051 U
4,4'-DDT	0.2	µg/L	0.052 U	0.0053 U
Aldrin	0	µg/L	0.02 U	0.002 U
alpha Endosulfan	NE	µg/L	0.043 U	0.0044 U
beta Endosulfan	NE	µg/L	0.15 U	0.015 U
BHC, alpha	0.01	µg/L	0.03 U	0.0031 U
BHC, beta	0.04	µg/L	0.11 U	0.011 U
BHC, delta	0.04	µg/L	0.034 U	0.0035 U
BHC, gamma (Lindane)	0.05	µg/L	0.02 U	0.0023 J
Chlordane, alpha	0.05	µg/L	0.03 U	0.0031 U
Chlordane, beta	0.05	µg/L	0.07 U	0.0071 U
Dieldrin	0.004	µg/L	1.5	0.035
Endosulfan sulfate	NE	µg/L	0.058 U	0.0059 U
Endrin	0	µg/L	0.081 U	0.0083 U
Endrin aldehyde	5	µg/L	0.2 U	0.02 U
Endrin ketone	5	µg/L	0.05 U	0.0051 U
Heptachlor	0.04	µg/L	0.02 U	0.002 U
Heptachlor epoxide	0.03	µg/L	0.023 U	0.0023 U
Methoxychlor	35	µg/L	0.3 U	0.031 U
Toxaphene	0.06	µg/L	3 U	0.31 U

Notes:

U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.

J - Estimated concentration. The result is below the quantitation limit but above the MDL.

UJ - Constituent was analyzed, but was not detected above the sample reporting limit; and the reporting limit is approximate.

NE - Standard not established

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TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

			MW-5	MW-5	MW-5/DUP-20160927		MW-5	MW-5	MW-5	MW-5
			Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered
			4/14/2015	4/11/2016	9/27/2016	9/27/2016	5/16/2017	10/16/2017	5/31/2018	9/24/2018
Constituent	Part 703 Standard ¹	Units								
Organochlorine Pesticides - Method 8081B										
4,4'-DDD	0.3	µg/L	0.0041 U	0.0042 U	0.0041 U	0.0042 U	0.0042 U	0.004 U	0.0041 U	0.004 U
4,4'-DDE	0.2	µg/L	0.013 J	0.0042 U	0.0041 U	0.0042 U	0.0042 U	0.004 U	0.0041 U	0.004 U
4,4'-DDT	0.2	µg/L	0.11	0.0044 U	0.0043 U	0.0044 U	0.0043 UJ	0.0068 J	0.0043 U	0.0042 U
Aldrin	0	µg/L	0.0016 U	0.0017 U	0.0016 U	0.0017 U	0.0017 U	0.0016 U	0.0016 U	0.0016 U
alpha Endosulfan	NE	µg/L	0.0035 U	0.0036 U	0.0035 U	0.0036 U	0.0036 U	0.0077 J	0.0044 J	0.0086
beta Endosulfan	NE	µg/L	0.012 U	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U	0.012 U	0.012 U
BHC, alpha	0.01	µg/L	0.0024 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U
BHC, beta	0.04	µg/L	0.0028 U	0.0029 U	0.0028 U	0.0029 U	0.0028 U	0.0082	0.0028 U	0.005 UV
BHC, delta	0.04	µg/L	0.0028 U	0.0043 J	0.0028 U	0.0029 U	0.0028 U	0.0027 U	0.0028 U	0.0027 U
BHC, gamma (Lindane)	0.05	µg/L	0.0049 J	0.0024 J	0.0016 U	0.0017 U	0.0017 U	0.0016 U	0.0016 U	0.0016 U
Chlordane, alpha	0.05	µg/L	0.033	0.025	0.02	0.019	0.016	0.011	0.022 U	0.0024 U
Chlordane, beta	0.05	µg/L	0.0057 U	0.0059 U	0.012 J	0.011 J	0.0092 J	0.0083 U	0.012 J	0.0056 U
Dieldrin	0.004	µg/L	0.066	0.034	0.024	0.025	0.015 J	0.0096 J	0.015 J	0.01 J
Endosulfan sulfate	NE	µg/L	0.0047 U	0.0049 U	0.0048 U	0.0049 U	0.0048 U	0.0047 U	0.0048 U	0.0047 U
Endrin	0	µg/L	0.051 J	0.0068 U	0.0067 U	0.0069 U	0.0068 UJ	0.0065 U	0.0066 U	0.0065 U
Endrin aldehyde	5	µg/L	0.016 U	0.017 U	0.016 U	0.017 U	0.017 U	0.016 U	0.016 U	0.016 U
Endrin ketone	5	µg/L	0.0041 U	0.0042 U	0.0041 U	0.0042 U	0.0042 U	0.004 U	0.0041 U	0.004 U
Heptachlor	0.04	µg/L	0.0016 U	0.0017 U	0.0016 U	0.0017 U	0.0017 U	0.0016 U	0.0016 U	0.0016 U
Heptachlor epoxide	0.03	µg/L	0.0019 U	0.0019 U	0.0022 J	0.0019 U	0.0048 J	0.008 J	0.019	0.011
Methoxychlor	35	µg/L	0.024 U	0.025 U	0.025 U	0.025 U	0.025 U	0.024 U	0.025 U	0.024 U
Toxaphene	0.06	µg/L	0.24 U	0.25 U	0.25 U	0.25 U	0.25 U	0.24 U	0.25 U	0.24 U

Notes:

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TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Constituent	Part 703 Standard ¹	Units	MW-5/DUP-20191021		MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Unfiltered 10/21/2019	Unfiltered 10/21/2019	Unfiltered 8/17/2020	Filtered 8/17/2020	Unfiltered 6/14/2021	Filtered 6/14/2021	Unfiltered 4/14/2022	Filtered 4/14/2022
Organochlorine Pesticides - Method 8081B										
4,4'-DDD	0.3	µg/L	0.005 UJ	0.005 UJ	0.0054 U	0.0051 U	0.005 U	0.005 U	0.0049 U	0.0048 U
4,4'-DDE	0.2	µg/L	0.005 U	0.005 U	0.0054 U	0.0051 U	0.005 U	0.005 U	0.0049 U	0.0048 U
4,4'-DDT	0.2	µg/L	0.014 J	0.017 J	0.0078 J	0.0053 U	0.0052 U	0.0052 U	0.0051 U	0.005 U
Aldrin	0	µg/L	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.002 U	0.002 U	0.0019 U
alpha Endosulfan	NE	µg/L	0.035	0.037	0.0046 U	0.0044 U	0.0043 U	0.0043 U	0.0042 U	0.0041 U
beta Endosulfan	NE	µg/L	0.015 U	0.015 U	0.016 U	0.015 U	0.015 U	0.015 U	0.015 U	0.014 U
BHC, alpha	0.01	µg/L	0.003 U	0.003 U	0.0032 U	0.0031 U	0.003 U	0.003 U	0.0029 U	0.0029 U
BHC, beta	0.04	µg/L	0.0034 U	0.0034 U	0.0036 U	0.0035 U	0.0034 U	0.0034 U	0.011 U	0.011 U
BHC, delta	0.04	µg/L	0.0034 U	0.0034 U	0.0036 U	0.0035 U	0.0034 U	0.0034 U	0.0033 U	0.0033 U
BHC, gamma (Lindane)	0.05	µg/L	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.002 U	0.002 U	0.0019 U
Chlordane, alpha	0.05	µg/L	0.003 U	0.003 U	0.0057 J	0.0031 U	0.003 U	0.003 U	0.0041 J	0.0029 U
Chlordane, beta	0.05	µg/L	0.007 U	0.007 U	0.0075 U	0.0072 U	0.007 U	0.007 U	0.0069 U	0.0067 U
Dieldrin	0.004	µg/L	0.018 J	0.018 J	0.0075 J	0.0055 U	0.0078 J	0.0053 U	0.0052 U	0.0051 U
Endosulfan sulfate	NE	µg/L	0.0058 UJ	0.0058 UJ	0.0062 U	0.006 U	0.0058 U	0.0058 U	0.0057 U	0.0056 U
Endrin	0	µg/L	0.0081 U	0.0081 U	0.0087 U	0.0083 U	0.0081 U	0.0081 U	0.008 U	0.0078 U
Endrin aldehyde	5	µg/L	0.02 U	0.02 U	0.021 U	0.021 U	0.02 U	0.02 U	0.02 U	0.019 U
Endrin ketone	5	µg/L	0.005 U	0.005 U	0.0054 U	0.0051 U	0.005 U	0.005 U	0.0049 U	0.0048 U
Heptachlor	0.04	µg/L	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.002 U	0.002 U	0.0019 U
Heptachlor epoxide	0.03	µg/L	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0023 U	0.0028 J	0.0022 U
Methoxychlor	35	µg/L	0.03 U	0.03 U	0.032 U	0.031 U	0.03 U	0.03 U	0.029 U	0.029 U
Toxaphene	0.06	µg/L	0.3 U	0.3 U	0.32 U	0.31 U	0.3 U	0.3 U	0.29 U	0.29 U

Notes:

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TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

			MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
			2/22/2023	2/22/2023	12/12/2023	12/12/2023	10/17/2024	10/17/2024
Constituent	Part 703 Standard ¹	Units						
Organochlorine Pesticides - Method 8081B								
4,4'-DDD	0.3	µg/L	0.0053 UJ	0.03 UJ	0.0051 U	0.005 U	0.0052 U	0.005 U
4,4'-DDE	0.2	µg/L	0.0053 UJ	0.03 UJ	0.0051 U	0.005 U	0.0052 U	0.005 U
4,4'-DDT	0.2	µg/L	0.025 J	0.03 UJ	0.021 J	0.0084 J	0.0062 J	0.0052 U
Aldrin	0	µg/L	0.0021 UJ	0.02 UJ	0.002 U	0.002 U	0.0021 U	0.002 U
alpha Endosulfan	NE	µg/L	0.0045 UJ	0.02 UJ	0.0043 U	0.0043 U	0.0045 U	0.0043 U
beta Endosulfan	NE	µg/L	0.016 UJ	0.04 UJ	0.015 U	0.015 U	0.016 U	0.015 U
BHC, alpha	0.01	µg/L	0.0032 UJ	0.02 UJ	0.003 U	0.003 U	0.0031 U	0.003 U
BHC, beta	0.04	µg/L	0.012 UJ	0.03 UJ	0.011 U	0.011 U	0.011 U	0.011 U
BHC, delta	0.04	µg/L	0.0036 UJ	0.02 UJ	0.0034 U	0.0034 U	0.0035 U	0.0034 U
BHC, gamma (Lindane)	0.05	µg/L	0.0021 UJ	0.02 UJ	0.002 U	0.002 U	0.0021 U	0.002 U
Chlordane, alpha	0.05	µg/L	0.0075 UJ	0.0043 UJ	0.003 U	0.003 U	0.0031 U	0.003 U
Chlordane, beta	0.05	µg/L	0.042 UJ	0.0071 UJ	0.0071 U	0.007 U	0.0073 U	0.0071 U
Dieldrin	0.004	µg/L	0.032 UJ	0.0053 UJ	0.0062 J	0.0053 U	0.013 J	0.0053 U
Endosulfan sulfate	NE	µg/L	0.032 UJ	0.0059 UJ	0.0059 U	0.0058 U	0.006 U	0.0059 U
Endrin	0	µg/L	0.032 UJ	0.0082 UJ	0.0082 U	0.0081 U	0.0084 U	0.0082 U
Endrin aldehyde	5	µg/L	0.11 UJ	0.02 UJ	0.02 U	0.02 U	0.021 U	0.02 U
Endrin ketone	5	µg/L	0.032 UJ	0.005 UJ	0.0051 U	0.005 U	0.0052 U	0.005 U
Heptachlor	0.04	µg/L	0.021 UJ	0.002 UJ	0.002 U	0.002 U	0.0021 U	0.002 U
Heptachlor epoxide	0.03	µg/L	0.021 UJ	0.0023 UJ	0.0031 J	0.0023 U	0.0024 U	0.0023 U
Methoxychlor	35	µg/L	0.12 UJ	0.03 UJ	0.03 U	0.03 U	0.031 U	0.03 U
Toxaphene	0.06	µg/L	1.1 UJ	0.3 UJ	0.3 U	0.3 U	0.31 U	0.3 U

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PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Constituent	Part 703 Standard ¹	Units	MW-1D	MW-1D	MW-1D	MW-2D	MW-2D/DUP-041415-F		MW-2D	MW-2D
			Unfiltered 4/15/2015	Unfiltered 4/11/2016	Unfiltered 9/26/2016	Unfiltered 4/14/2015	Filtered 4/14/2015	Filtered 4/14/2015	Unfiltered 4/12/2016	Filtered 4/12/2016
Organochlorine Pesticides - Method 8081B										
4,4'-DDD	0.3	µg/L	0.0041 U	0.0041 U	0.0041 U	0.0044 U	0.0041 U	0.0041 U	0.81	0.07
4,4'-DDE	0.2	µg/L	0.0041 U	0.0041 U	0.0041 U	0.47	0.0041 U	0.0041 U	0.26	0.025
4,4'-DDT	0.2	µg/L	0.0042 U	0.0043 U	0.0042 U	0.73	0.0042 U	0.0042 U	0.075	0.0083 J
Aldrin	0	µg/L	0.0016 U	0.0017 U	0.0016 U	0.0018 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
alpha Endosulfan	NE	µg/L	0.0035 U	0.0036 U	0.0035 U	0.019	0.0035 J	0.0094 J	0.008 J	0.0035 U
beta Endosulfan	NE	µg/L	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U	0.012 U	0.012 U	0.012 U
BHC, alpha	0.01	µg/L	0.0024 U	0.0025 U	0.0024 U	0.0026 U	0.0024 U	0.0024 U	0.0025 U	0.0024 U
BHC, beta	0.04	µg/L	0.0028 U	0.0028 U	0.0028 U	0.003 U	0.0028 U	0.0028 U	0.0028 U	0.0027 U
BHC, delta	0.04	µg/L	0.0028 U	0.0028 U	0.0028 U	0.003 U	0.0028 U	0.0028 U	0.0028 U	0.0027 U
BHC, gamma (Lindane)	0.05	µg/L	0.0016 U	0.0017 U	0.0016 U	0.0018 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Chlordane, alpha	0.05	µg/L	0.0024 U	0.0025 U	0.0024 U	0.011 J	0.0024 U	0.0024 U	0.0086 J	0.0024 U
Chlordane, beta	0.05	µg/L	0.0057 U	0.0058 U	0.0057 U	0.026 J	0.0057 U	0.0057 U	0.02 U	0.0056 U
Dieldrin	0.004	µg/L	0.0043 U	0.0044 U	0.0043 U	0.036 UJ	0.0043 U	0.0043 U	0.027	0.0043 U
Endosulfan sulfate	NE	µg/L	0.0047 U	0.0048 U	0.0047 U	0.0051 U	0.0047 U	0.0047 U	0.082	0.0087 U
Endrin	0	µg/L	0.0066 U	0.0067 U	0.0066 U	0.15 U	0.0066 U	0.0066 U	0.0066 U	0.0065 U
Endrin aldehyde	5	µg/L	0.016 U	0.017 U	0.016 U	0.018 UJ	0.016 U	0.016 U	0.016 U	0.016 U
Endrin ketone	5	µg/L	0.0041 U	0.0041 U	0.0041 U	0.0044 U	0.0041 U	0.0041 U	0.0041 U	0.004 U
Heptachlor	0.04	µg/L	0.0016 U	0.0017 U	0.0016 U	0.0018 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Heptachlor epoxide	0.03	µg/L	0.0019 U	0.0019 U	0.0019 U	0.002 U	0.0019 UJ	0.0019 U	0.0019 U	0.0019 U
Methoxychlor	35	µg/L	0.024 U	0.025 U	0.024 U	0.026 U	0.024 U	0.024 U	0.025 U	0.024 U
Toxaphene	0.06	µg/L	0.24 U	0.25 U	0.24 U	0.26 U	0.24 U	0.24 U	0.25 U	0.24 U

Notes:

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TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Constituent	Part 703 Standard ¹	Units	MW-2D Unfiltered 9/27/2016	MW-2D Unfiltered 5/17/2017	MW-2D Unfiltered 10/16/2017	MW-2D Unfiltered 5/31/2018	MW-2D Unfiltered 9/24/2018	MW-2D Unfiltered 10/22/2019	MW-2D Unfiltered 8/17/2020	MW-2D Filtered 8/17/2020
Organochlorine Pesticides - Method 8081B										
4,4'-DDD	0.3	µg/L	0.31	0.5	0.074	0.47	0.15	0.65	0.26	0.038
4,4'-DDE	0.2	µg/L	0.17	0.2	0.027	0.16	0.057 J	0.4	0.12	0.02 J
4,4'-DDT	0.2	µg/L	0.11	0.17 J	0.011 J	0.07	0.021 U	0.0052 U	2.1 J	1.4 J
Aldrin	0	µg/L	0.0017 U	0.0016 U	0.0017 U	0.0016 U	0.008 U	0.002 U	0.0021 U	0.002 U
alpha Endosulfan	NE	µg/L	0.0073 J	0.0035 U	0.0036 U	0.0059 J	0.017 U	0.0043 U	0.0045 U	0.0043 U
beta Endosulfan	NE	µg/L	0.012 U	0.012 U	0.012 U	0.012 U	0.06 U	0.015 U	0.016 U	0.015 U
BHC, alpha	0.01	µg/L	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.012 U	0.003 U	0.0031 U	0.003 U
BHC, beta	0.04	µg/L	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.014 U	0.0034 U	0.0035 U	0.0034 U
BHC, delta	0.04	µg/L	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.014 U	0.0034 U	0.0035 U	0.0034 U
BHC, gamma (Lindane)	0.05	µg/L	0.0017 U	0.0016 U	0.002 J	0.0016 U	0.008 U	0.002 U	0.0021 U	0.002 U
Chlordane, alpha	0.05	µg/L	0.0025 U	0.0096 J	0.0029 J	0.01	0.012 U	0.003 U	0.0063 J	0.003 U
Chlordane, beta	0.05	µg/L	0.009 UJ	0.012 UV	0.0058 U	0.011 U	0.028 U	0.007 U	0.012 J	0.007 U
Dieldrin	0.004	µg/L	0.018 UJ	0.019	0.0089 J	0.019	0.021 U	0.0053 U	0.018 J	0.0053 U
Endosulfan sulfate	NE	µg/L	0.039 J	0.034	0.0049 J	0.021	0.023 U	0.0058 U	0.006 U	0.0058 U
Endrin	0	µg/L	0.0067 U	0.0066 UJ	0.0067 U	0.0066 U	0.033 U	0.0081 U	0.0084 U	0.0081 U
Endrin aldehyde	5	µg/L	0.017 U	0.016 U	0.017 U	0.016 U	0.08 U	0.02 UJ	0.032 J	0.02 U
Endrin ketone	5	µg/L	0.0041 U	0.0041 U	0.0041 U	0.004 U	0.02 U	0.005 U	0.0052 U	0.005 U
Heptachlor	0.04	µg/L	0.0017 U	0.0016 U	0.0017 U	0.0016 U	0.008 U	0.002 U	0.0021 U	0.002 U
Heptachlor epoxide	0.03	µg/L	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0092 U	0.0023 U	0.0024 U	0.0023 U
Methoxychlor	35	µg/L	0.025 U	0.024 U	0.025 U	0.024 U	0.12 U	0.03 U	0.031 U	0.03 U
Toxaphene	0.06	µg/L	0.25 U	0.24 U	0.25 U	0.24 U	1.2 U	0.3 U	0.31 U	0.3 U

Notes:

U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.

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PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Constituent	Part 703 Standard ¹	Units	MW-2D Unfiltered 6/14/2021	MW-2D Filtered 6/14/2021	MW-2D Unfiltered 4/14/2022	MW-2D Filtered 4/14/2022	MW-2D Unfiltered 2/22/2023	MW-2D Filtered 2/22/2023	MW-2D Unfiltered 12/12/2023	MW-2D Filtered 12/12/2023
Organochlorine Pesticides - Method 8081B										
4,4'-DDD	0.3	µg/L	0.18	0.056	0.18	0.0064 J	0.26	0.0069 J	0.24	0.011 J
4,4'-DDE	0.2	µg/L	0.083 J	0.023 J	0.057	0.0049 U	0.077	0.005 U	0.082	0.005 U
4,4'-DDT	0.2	µg/L	0.027 U	0.0053 U	0.022 J	0.0051 U	0.047 UJ	0.0052 U	0.074 J	0.052 J
Aldrin	0	µg/L	0.011 U	0.0054 U	0.0021 U	0.002 U	0.0021 U	0.002 U	0.0021 U	0.002 U
alpha Endosulfan	NE	µg/L	0.023 U	0.0044 U	0.0045 U	0.0042 U	0.0044 U	0.0043 U	0.0044 U	0.0043 U
beta Endosulfan	NE	µg/L	0.079 U	0.015 U	0.016 U	0.015 U	0.016 U	0.015 U	0.015 U	0.015 U
BHC, alpha	0.01	µg/L	0.016 U	0.0048 U	0.0032 U	0.0029 U	0.0031 U	0.003 U	0.0031 U	0.003 U
BHC, beta	0.04	µg/L	0.018 U	0.0046 U	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
BHC, delta	0.04	µg/L	0.018 U	0.0035 U	0.0036 U	0.0033 U	0.0035 U	0.0034 U	0.0035 U	0.0034 U
BHC, gamma (Lindane)	0.05	µg/L	0.011 U	0.002 U	0.0021 U	0.002 U	0.0021 U	0.002 U	0.0021 U	0.002 U
Chlordane, alpha	0.05	µg/L	0.016 U	0.003 U	0.0033 J	0.0029 U	0.021 UJ	0.003 U	0.0059 J	0.003 U
Chlordane, beta	0.05	µg/L	0.037 U	0.0071 U	0.0074 U	0.0068 U	0.013 J	0.007 U	0.0095 J	0.007 U
Dieldrin	0.004	µg/L	0.028 U	0.0054 U	0.016 J	0.0052 U	0.014 J	0.0053 U	0.014 J	0.0053 U
Endosulfan sulfate	NE	µg/L	0.031 U	0.0059 U	0.0061 U	0.0057 U	0.006 U	0.0058 U	0.016 J	0.0058 U
Endrin	0	µg/L	0.043 U	0.0082 U	0.0085 U	0.0079 U	0.0084 U	0.0081 U	0.0084 U	0.0081 U
Endrin aldehyde	5	µg/L	0.11 U	0.02 U	0.03 J	0.02 U	0.021 U	0.02 U	0.024 J	0.02 U
Endrin ketone	5	µg/L	0.026 U	0.0051 U	0.0053 U	0.0049 U	0.0052 U	0.005 U	0.0052 U	0.005 U
Heptachlor	0.04	µg/L	0.011 U	0.002 U	0.0021 U	0.002 U	0.0021 U	0.002 U	0.0021 U	0.002 U
Heptachlor epoxide	0.03	µg/L	0.012 U	0.0023 U	0.0024 U	0.0022 U	0.0054 UJ	0.0023 U	0.0053 J	0.0023 U
Methoxychlor	35	µg/L	0.16 U	0.03 U	0.032 U	0.029 U	0.031 U	0.03 U	0.031 U	0.03 U
Toxaphene	0.06	µg/L	1.6 U	0.3 U	0.32 U	0.29 U	0.31 U	0.3 U	0.31 U	0.3 U

Notes:

U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.

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TABLE 2
PESTICIDES IN GROUNDWATER, ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

			MW-2D/DUP-20241017		MW-2D/DUP-20241017	
			Unfiltered 10/17/2024	Unfiltered 10/17/2024	Filtered 10/17/2024	Filtered 10/17/2024
Constituent	Part 703 Standard ¹	Units				
Organochlorine Pesticides - Method 8081B						
4,4'-DDD	0.3	µg/L	0.37	0.38	0.011 J	0.0088 J
4,4'-DDE	0.2	µg/L	0.14	0.14	0.005 U	0.005 U
4,4'-DDT	0.2	µg/L	0.025 J	0.073 J	0.0052 U	0.0052 U
Aldrin	0	µg/L	0.0021 U	0.002 U	0.002 U	0.002 U
alpha Endosulfan	NE	µg/L	0.0045 U	0.0043 U	0.0043 U	0.0043 U
beta Endosulfan	NE	µg/L	0.016 U	0.015 U	0.015 U	0.015 U
BHC, alpha	0.01	µg/L	0.0031 U	0.003 U	0.003 U	0.003 U
BHC, beta	0.04	µg/L	0.011 U	0.011 U	0.011 U	0.011 U
BHC, delta	0.04	µg/L	0.0036 U	0.0034 U	0.0034 U	0.0034 U
BHC, gamma (Lindane)	0.05	µg/L	0.0021 U	0.002 U	0.002 U	0.002 U
Chlordane, alpha	0.05	µg/L	0.0043 J	0.003 U	0.003 U	0.003 U
Chlordane, beta	0.05	µg/L	0.0073 U	0.0071 U	0.007 U	0.007 U
Dieldrin	0.004	µg/L	0.022 J	0.022 J	0.0053 U	0.0053 U
Endosulfan sulfate	NE	µg/L	0.0061 U	0.0059 U	0.0058 U	0.0058 U
Endrin	0	µg/L	0.0085 U	0.0082 U	0.0081 U	0.0081 U
Endrin aldehyde	5	µg/L	0.021 U	0.02 U	0.02 U	0.02 U
Endrin ketone	5	µg/L	0.0052 U	0.0051 U	0.005 U	0.005 U
Heptachlor	0.04	µg/L	0.0021 U	0.002 U	0.002 U	0.002 U
Heptachlor epoxide	0.03	µg/L	0.0024 U	0.0023 U	0.0023 U	0.0023 U
Methoxychlor	35	µg/L	0.031 U	0.03 U	0.03 U	0.03 U
Toxaphene	0.06	µg/L	0.31 U	0.3 U	0.3 U	0.3 U

Notes:

U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.

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TABLE 3
SVI MONITORING RESULTS
2024-2025 HEATING SEASON
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE NO. 130074

Constituent	NYSDOH Indoor Air Guideline (1)	OSWER Target Soil Gas Concentration (3)	OSWER Target Indoor Air Concentration (2)	Sample ID	AA-01	IA-01	SV-01
				Sample Date Units	12/12/2024	12/12/2024	12/12/2024
1,1,1,2-Tetrachloroethane	--	17	1.7	µg/m ³	1 U	1 U	1 U
1,1,1-Trichloroethane	--	22000	2200	µg/m ³	0.65 U	0.65 U	9.4
1,1,2,2-Tetrachloroethane	--	2.1	0.21	µg/m ³	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	22000	2200	µg/m ³	1.5 U	1.5 U	1.5 U
1,1,2-Trichloroethane	--	0.88	0.088	µg/m ³	0.65 U	0.65 U	0.65 U
1,1-Dichloroethane	--	77	7.7	µg/m ³	0.36 U	0.36 U	0.36 U
1,1-Dichloroethene	--	17	1.7	µg/m ³	0.56 U	0.56 U	0.56 U
1,2,3-Trichloropropane	--	1.3	0.13	µg/m ³	0.84 U	0.84 U	0.84 U
1,2,4-Trimethylbenzene	--	260	26	µg/m ³	1.4 U	20	12
1,2-Dibromoethane (EDB)	--	0.2	0.02	µg/m ³	1 U	1 U	1 U
1,2-Dichlorobenzene	--	8800	880	µg/m ³	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	--	4.7	0.47	µg/m ³	0.32 U	0.32 U	0.32 U
1,2-Dichloropropane	--	18	1.8	µg/m ³	0.6 U	0.6 U	0.6 U
1,2-Dichlorotetrafluoroethane (Freon 114)	--	--	--	µg/m ³	0.84 U	0.84 U	0.84 U
1,2-Dimethylbenzene (o-Xylene)	--	440	44	µg/m ³	0.83 U	17	4.6
1,3,5-Trimethylbenzene (mesitylene)	--	260	26	µg/m ³	1.6 U	5.1 J	6.0 J
1,3-Butadiene	--	4.1	0.41	µg/m ³	0.38 U	0.38 U	0.38 U
1,3-Dichlorobenzene	--	--	--	µg/m ³	1.8 U	1.8 U	1.8 U
1,4-Dichlorobenzene	--	11	1.1	µg/m ³	1.8 U	1.8 U	1.8 U
2,2,4-Trimethylpentane (isooctane)	--	--	--	µg/m ³	1.9 U	11	1.9 U
2-Butanone (MEK)	--	22000	2200	µg/m ³	0.62 U	3.6	4.3
2-Hexanone	--	130	13	µg/m ³	2 U	2 U	2 U
3-Chloropropene (allyl chloride)	--	4.4	0.44	µg/m ³	0.63 U	0.63 U	0.63 U
4-Ethyltoluene	--	--	--	µg/m ³	0.88 U	4.5 J	1.8 J
4-Methyl-2-pentanone (MIBK)	--	13000	1300	µg/m ³	0.61 U	0.61 U	1.7 J
Acetone	--	--	--	µg/m ³	6.0 J	24	23
Benzene	--	16	1.6	µg/m ³	0.35 U	6.1	0.35 U
Bromobenzene	--	260	26	µg/m ³	1.3 U	1.3 U	1.3 U
Bromodichloromethane	--	3.3	0.33	µg/m ³	2.7 U	2.7 U	2.7 U
Bromoform	--	110	11	µg/m ³	4.1 U	4.1 U	4.1 U
Bromomethane	--	22	2.2	µg/m ³	0.78 U	0.78 U	0.78 U
Carbon disulfide	--	3100	310	µg/m ³	1.2 U	1.2 U	1.2 U
Carbon tetrachloride	--	20	2	µg/m ³	0.88 U	0.88 U	0.88 U
Chlorobenzene	--	220	22	µg/m ³	0.6 U	0.6 U	0.6 U
Chlorodifluoromethane	--	220000	22000	µg/m ³	1.4 U	1.4 U	1.4 U
Chloroethane	--	18000	1800	µg/m ³	0.79 U	0.79 U	0.79 U
Chloroform	--	5.3	0.53	µg/m ³	0.45 U	0.45 U	4.6 J
Chloromethane	--	390	39	µg/m ³	0.83 U	0.83 U	0.83 U
cis-1,2-Dichloroethene	--	180	18	µg/m ³	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	--	31	3.1	µg/m ³	0.45 U	0.45 U	0.45 U
Cyclohexane	--	26000	2600		0.69 U	7.0	2.2 J
Dibromochloromethane	--	--	--	µg/m ³	3.4 U	3.4 U	3.4 U
Dibromomethane	--	18	1.8	µg/m ³	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	--	440	44	µg/m ³	2.2 J	2.4 J	4.7 J
Dichlorofluoromethane	--	--	--	µg/m ³	0.46 U	0.46 U	0.46 U
Ethylbenzene	--	49	4.9	µg/m ³	0.83 U	11	2.2 J
Hexachloroethane	--	11	1.1	µg/m ³	2.6 U	2.6 U	2.6 U

TABLE 3
SVI MONITORING RESULTS
2024-2025 HEATING SEASON
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE NO. 130074

Constituent	NYSDOH Indoor Air Guideline (1)	OSWER Target Soil Gas Concentration (3)	OSWER Target Indoor Air Concentration (2)	Sample ID	AA-01	IA-01	SV-01
				Sample Date Units	12/12/2024	12/12/2024	12/12/2024
Isopropylbenzene (Cumene)	--	1800	180	µg/m ³	1.2 U	2.2 J	1.2 U
Methylene chloride	60	2600	260	µg/m ³	0.87 U	1.2 J	0.87 U
Naphthalene	--	--	--		5.2 U	13	5.2 U
n-Heptane	--	--	--	µg/m ³	0.94 U	7.8	1.4 J
n-Hexane	--	3100	310	µg/m ³	1.1 U	16	1.6 J
n-Pentane (C5)	--	4400	440	µg/m ³	0.88 J	24	3.0
Octane	--	--	--	µg/m ³	1.9 U	4.6 J	2.4 J
Styrene	--	--	440	µg/m ³	0.85 U	3.1 J	0.85 U
tert-Butyl methyl ether (MTBE)	--	470	47	µg/m ³	0.54 U	0.54 U	0.54 U
Tetrachloroethene (PCE)	30	180	18	µg/m ³	1.7 U	1.7 U	680
Toluene	--	22000	2200	µg/m ³	1.5 U	39	6.3
trans-1,2-Dichloroethene	--	180	18	µg/m ³	0.79 U	0.79 U	0.79 U
trans-1,3-Dichloropropene	--	--	--	µg/m ³	0.54 U	0.54 U	0.54 U
Trichloroethene (TCE)	2	8.8	0.88	µg/m ³	0.97 U	0.97 U	4.7 J
Trichlorofluoromethane (Freon 11)	--	--	--	µg/m ³	0.97 J	1.1 J	2.3 J
Vinyl chloride	--	28	2.8	µg/m ³	0.31 U	0.31 U	0.31 U
Xylenes, m & p	--	440	44	µg/m ³	1.1 U	40	9.3

NOTES

1) Updated values as of May 2017 obtained from http://health.ny.gov/environmental/indoors/vapor_intrusion/update.htm

2) OSWER Target Indoor Air Concentration (November 2024) is the lower of the EPA Region 2 Composite Worker Air Screening values for Carcinogenic and Non-Carcinogenic risks.

3) OSWER Target Shallow Gas Concentration is 10 times the OSWER Target Indoor Air Concentration (November 2018).

Concentrations in bold font and solid border exceed the applicable screening level.

U - Constituent was not detected above the associated detection limit.

J - Result is considered an estimate.

-- - No value established

AA - Ambient (Outdoor) Air

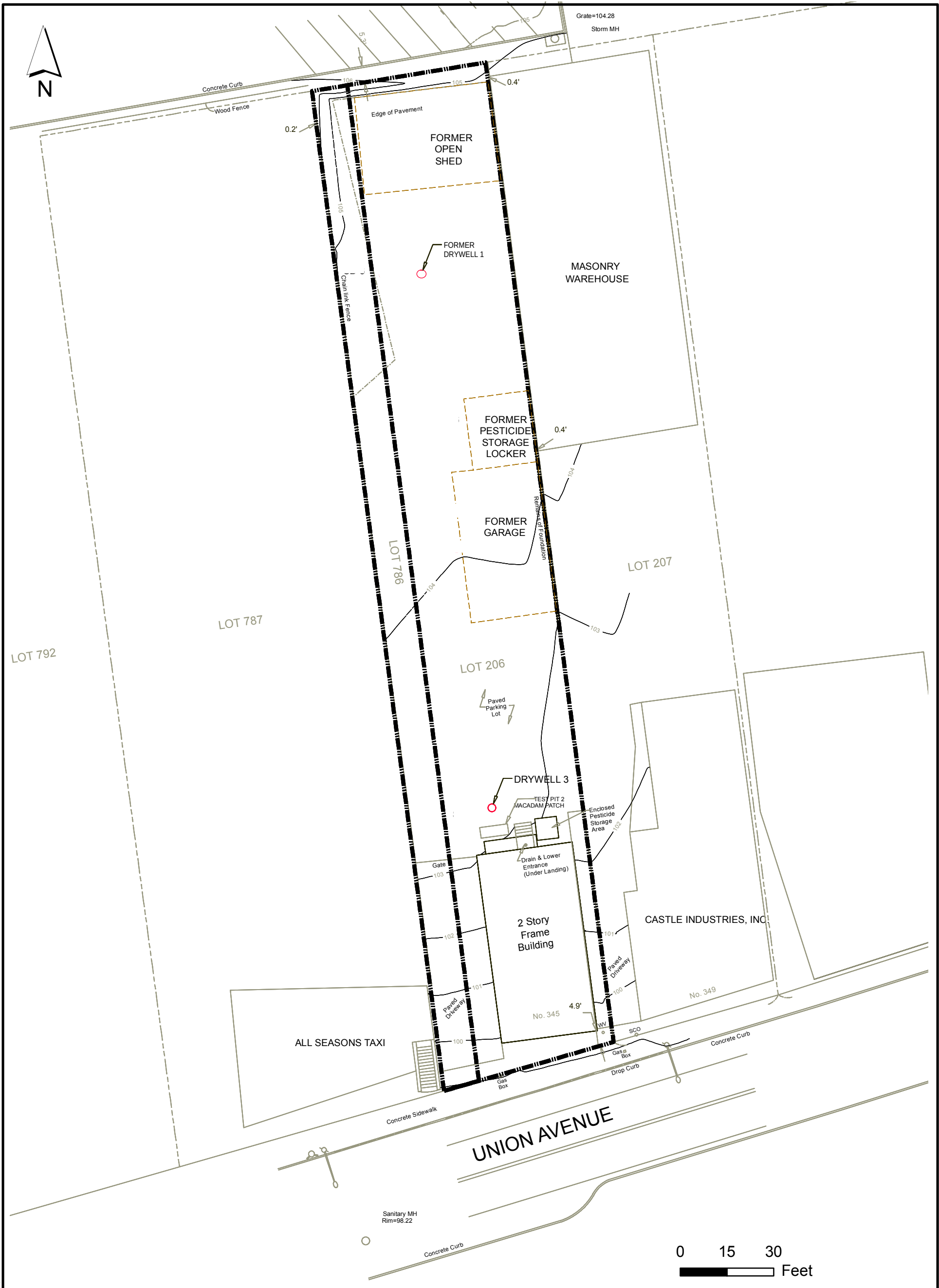
IA - Indoor Air

SV - Soil Vapor

Figures



P:\GIS\Bartlett_Tree\Dry_Well_1_IRM\Fig_1-2_Site_Plan_113010.mxd



- PAVEMENT EDGE
- 103— GROUND SURFACE ELEVATION (FT., NGVD)
- PROPERTY LINE
- FORMER STRUCTURE LOCATION (APPROXIMATE, DEMOLISHED JULY 2008)

FIGURE 1		
SITE PLAN		
BARTLETT TREE COMPANY SITE WESTBURY, NEW YORK	DATE January 2025	PROJECT NUMBER 197110



VILLAGE OF WESTBURY
PARKING LOT

FORMER MW-1D*
MW-1S***

Building

Chain link Fence

Grate=104.28
Storm MH

Concrete Curb

Wood Fence

0.2'

8.3'

106'

0.4'

Regional
Groundwater
Flow

Range of
Local Shallow
Groundwater
Flow

MASONRY
WAREHOUSE

FORMER
DRYWELL 1

MW-4

MW-2D

MW-2S**

MW-3

MW-5

LOT 786

LOT 207

LOT 206

LOT 787

Legend

- MONITORING WELL
- MONITORING WELL DROPPED FROM MONITORING PROGRAM
- PROPERTY LINE

* Monitoring well MW-1D decommissioned in 2017.

** Monitoring well MW-2S was damaged in May 2018 and rendered unreliable. Monitoring well MW-2S decommissioned in 2019.

*** Monitoring well MW-1S inaccessible due to construction associated with the Long Island Railroad and Westbury North Parking Structure.

0 10 20
Feet

FIGURE 2

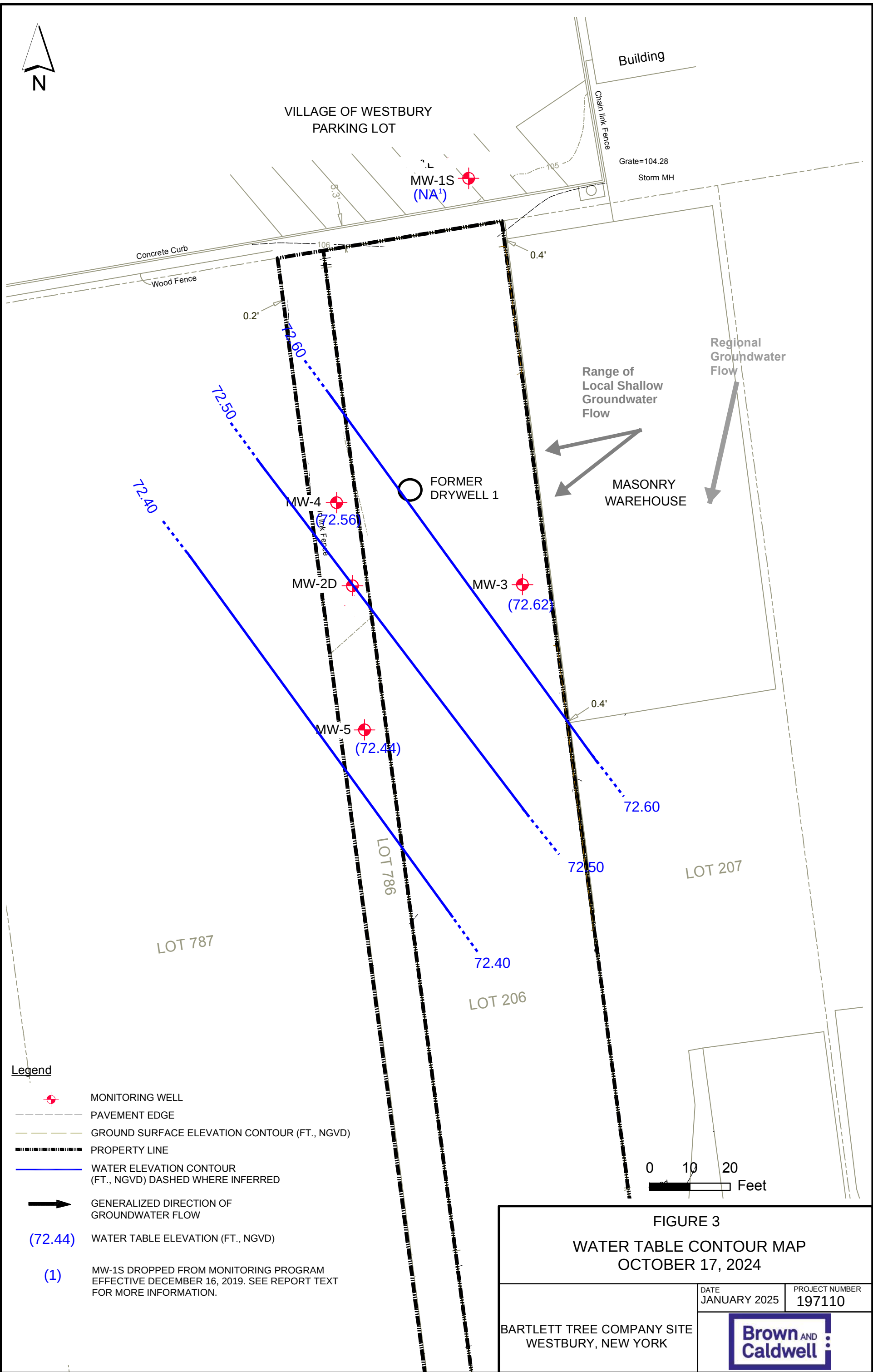
GROUNDWATER MONITORING WELL NETWORK

BARTLETT TREE COMPANY SITE
WESTBURY, NEW YORK

DATE
January 2025

PROJECT NUMBER
197110





Total Chlordane, alpha

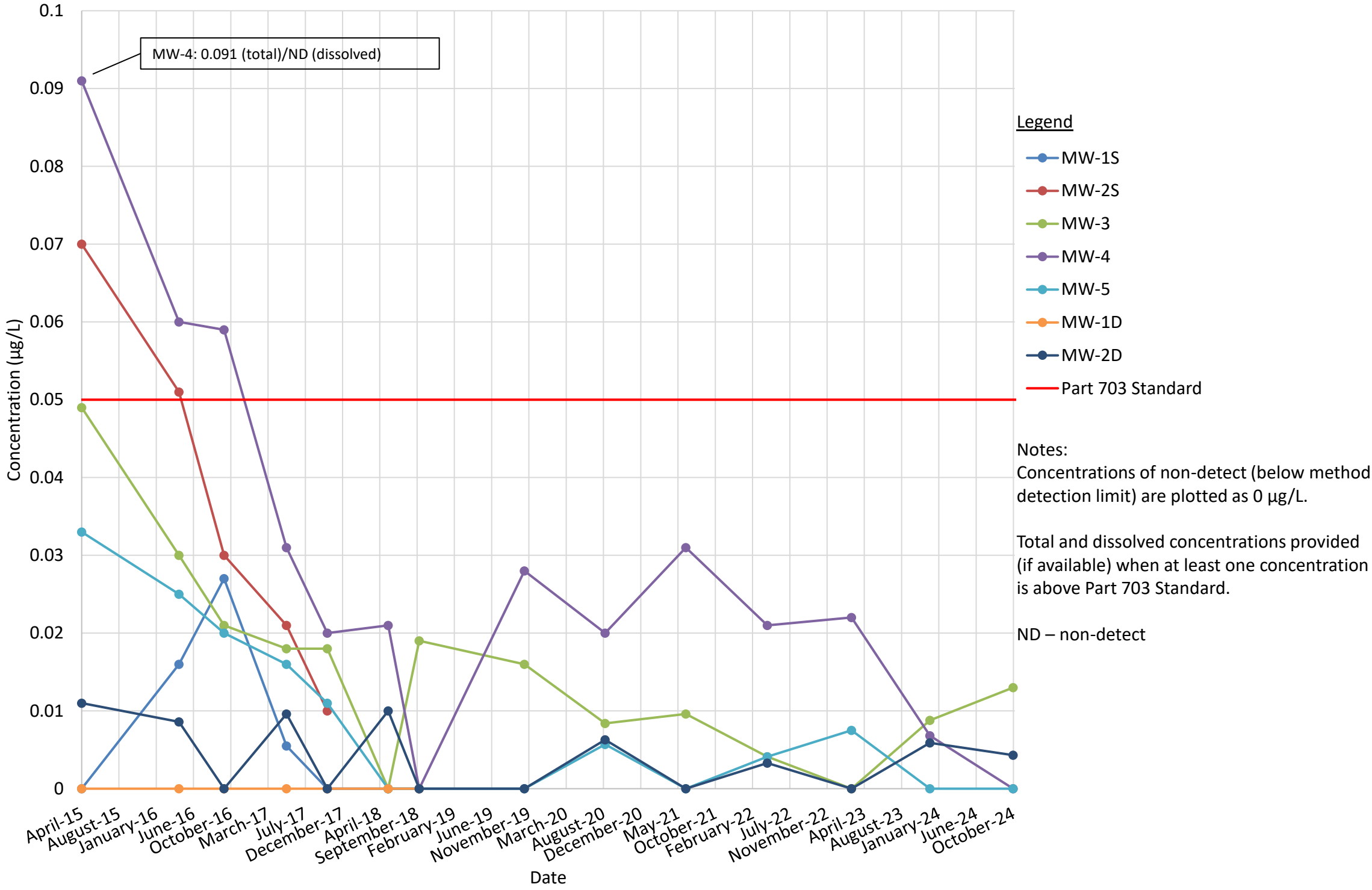


FIGURE 4a

Chlordane, alpha Trend Plot
All Site Monitoring Wells
(April 2015 – October 2024)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

Total Dieldrin

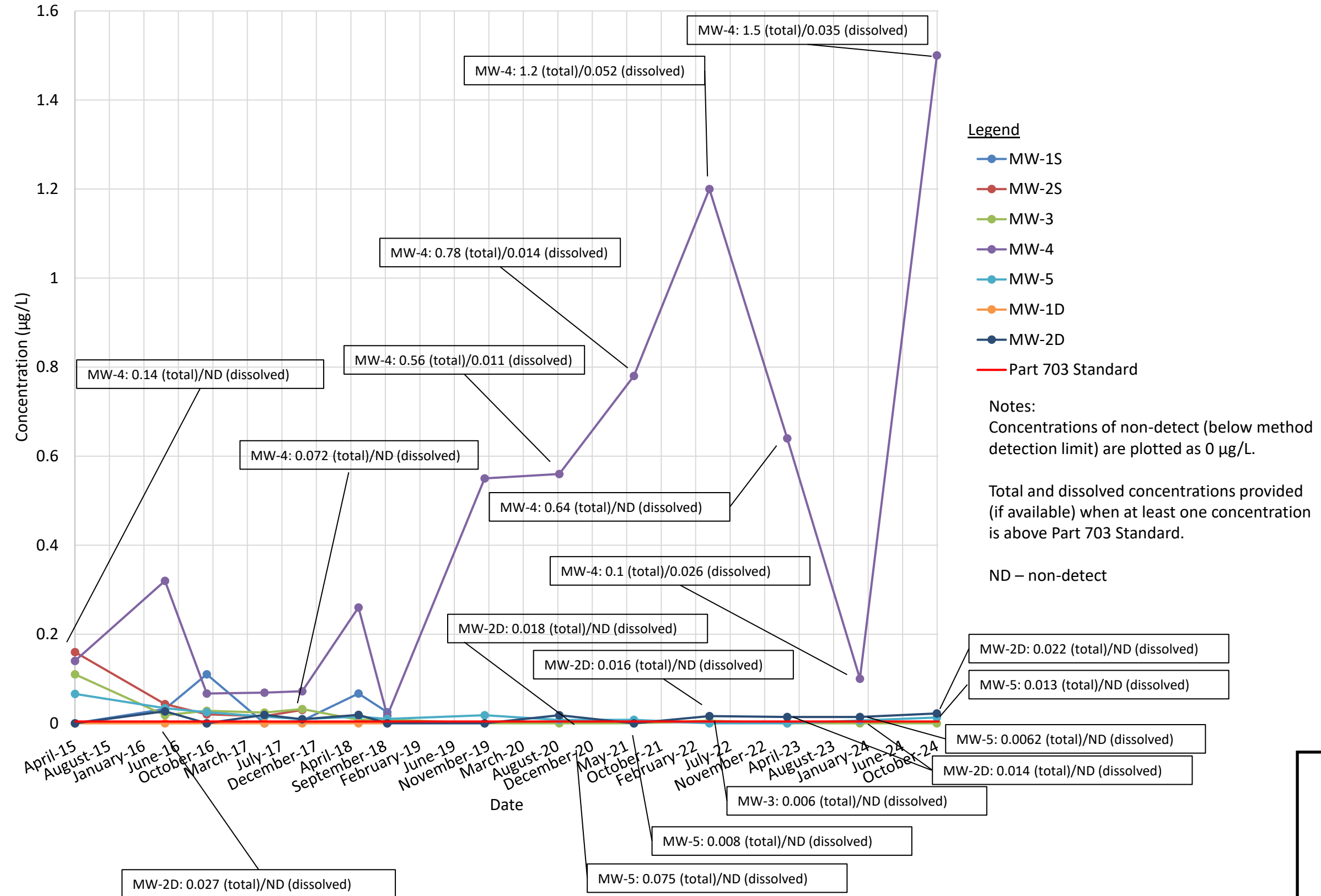
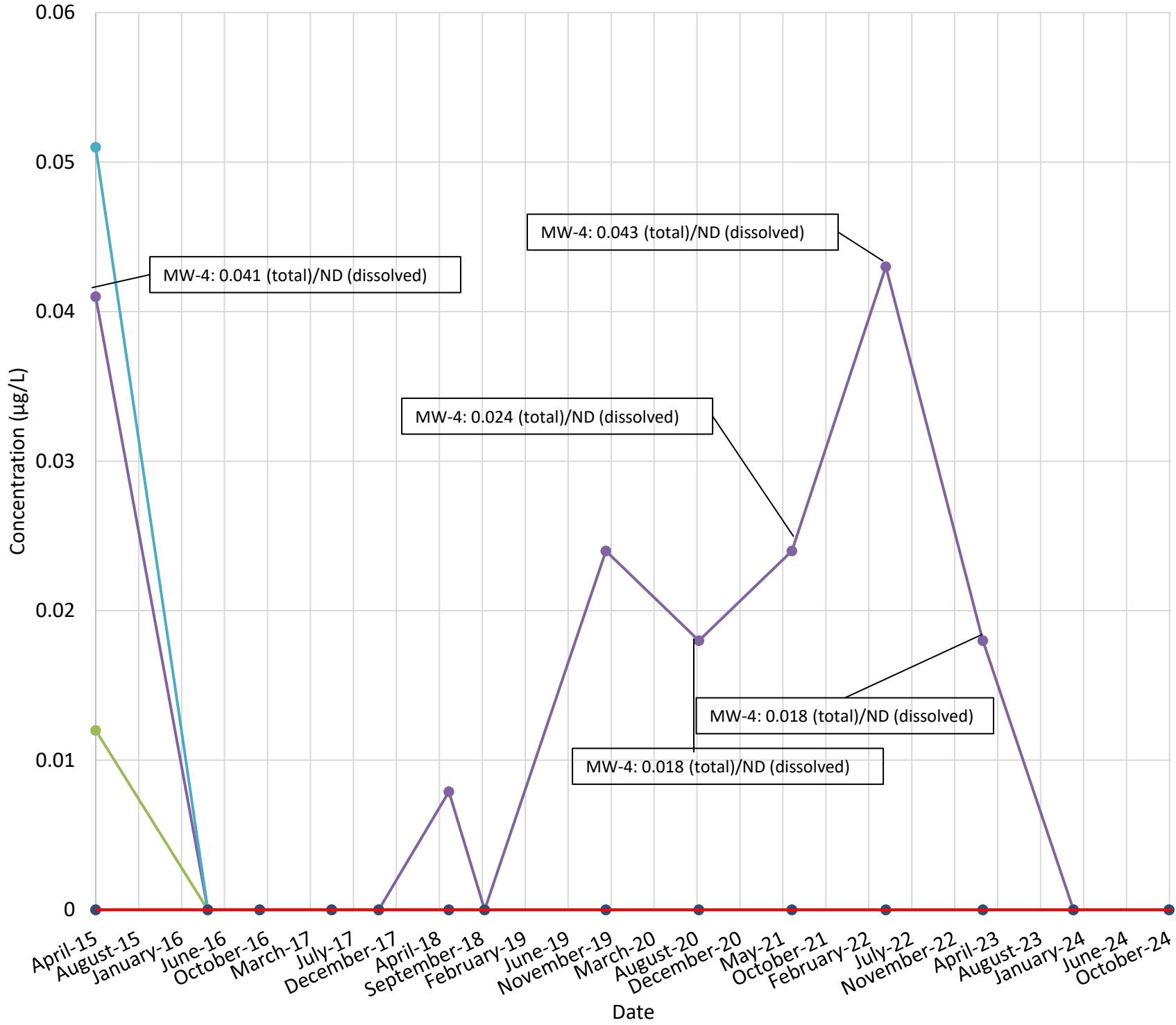


FIGURE 4b
Dieldrin Trend Plot
All Site Monitoring Wells
(April 2015 – October 2024)
BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY
Brown AND Caldwell

Total Endrin



Legend

- MW-1S
- MW-2S
- MW-3
- MW-4
- MW-5
- MW-1D
- MW-2D
- Part 703 Standard

Notes:
Concentrations of non-detect (below method detection limit) are plotted as 0 µg/L.

Total and dissolved concentrations provided (if available) when at least one concentration is above Part 703 Standard.

ND – non-detect

Value of 0 for NYS Part 703 standard indicates the standard for this constituent is non-detect.

FIGURE 4c

Endrin Trend Plot
All Site Monitoring Wells
(April 2015 – October 2024)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

Total 4,4'-DDT

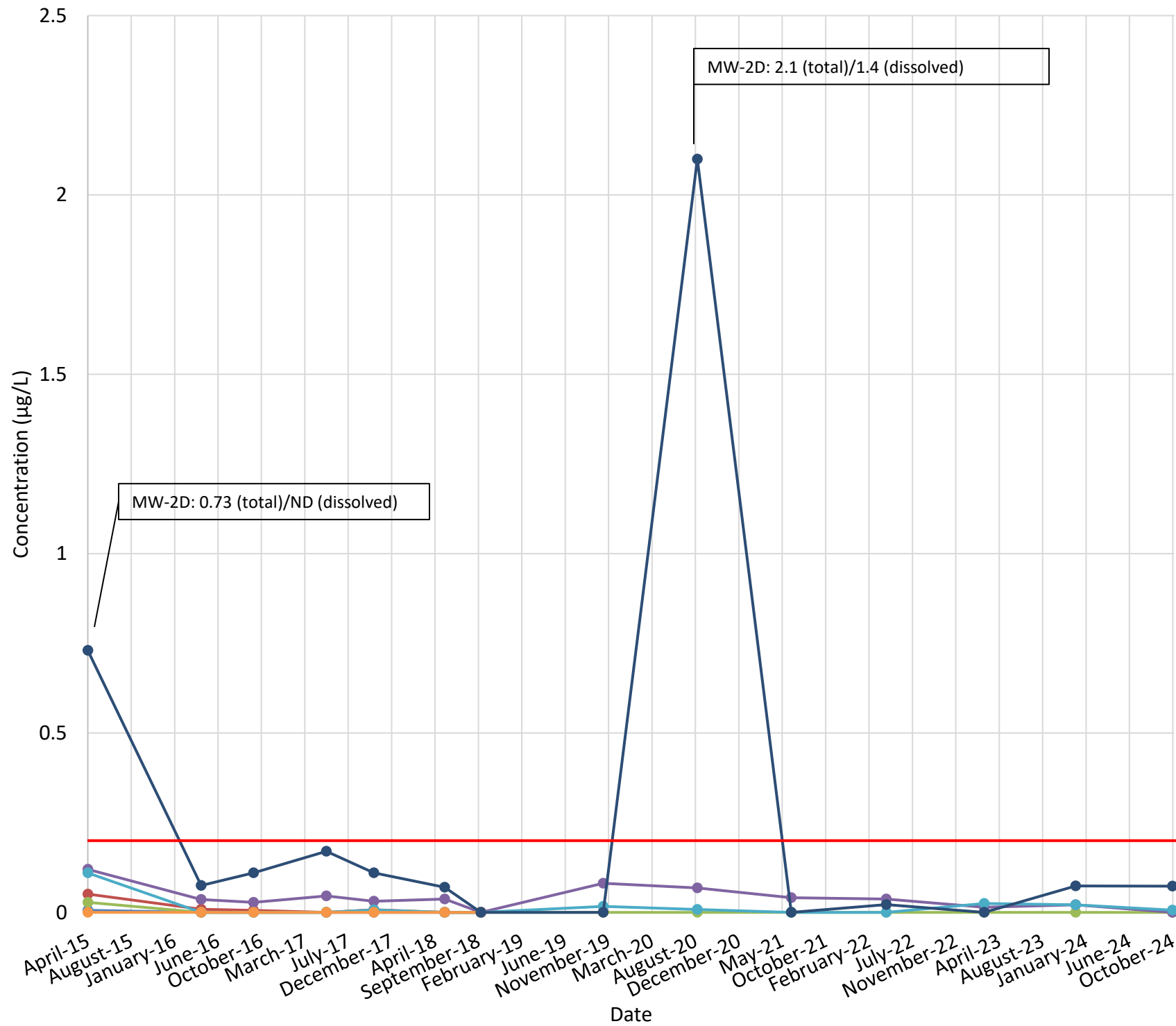


FIGURE 4d

4,4'-DDT Trend Plot
All Site Monitoring Wells
(April 2015 -October 2024)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

Total 4,4'-DDE

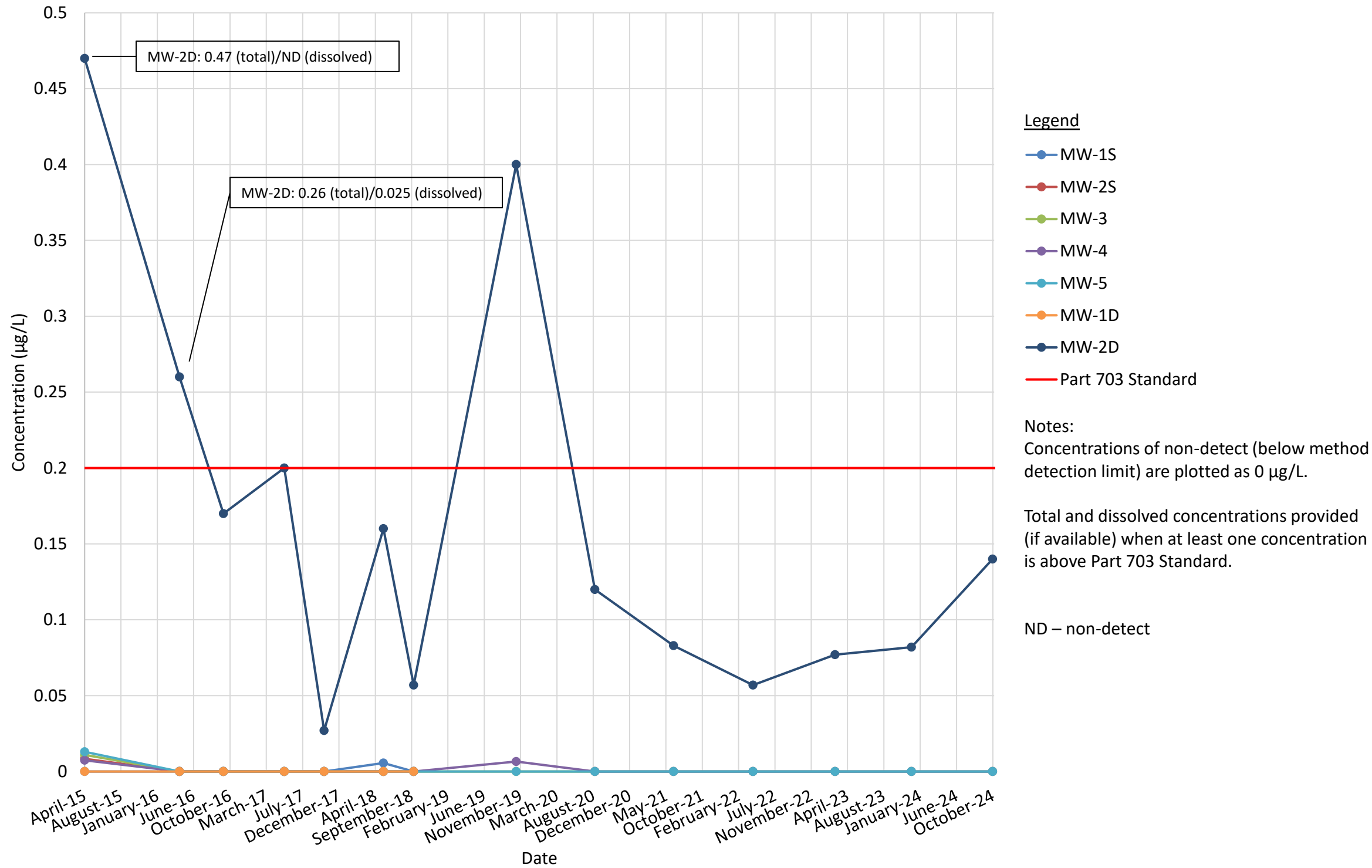


FIGURE 4e
4,4'-DDE Trend Plot
All Site Monitoring Wells
(April 2015 – October 2024)
BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY
Brown AND Caldwell

Total 4,4'-DDD

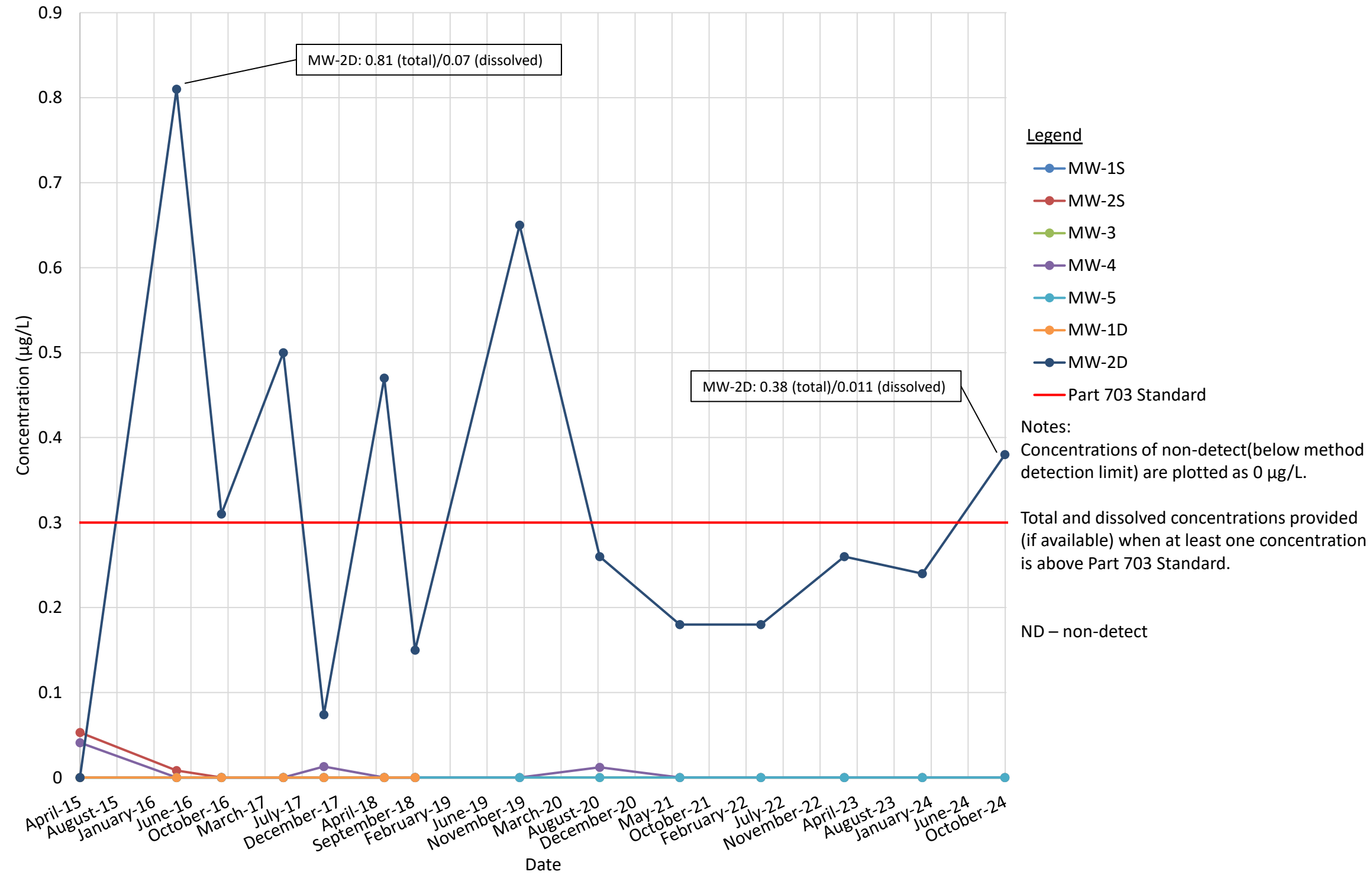
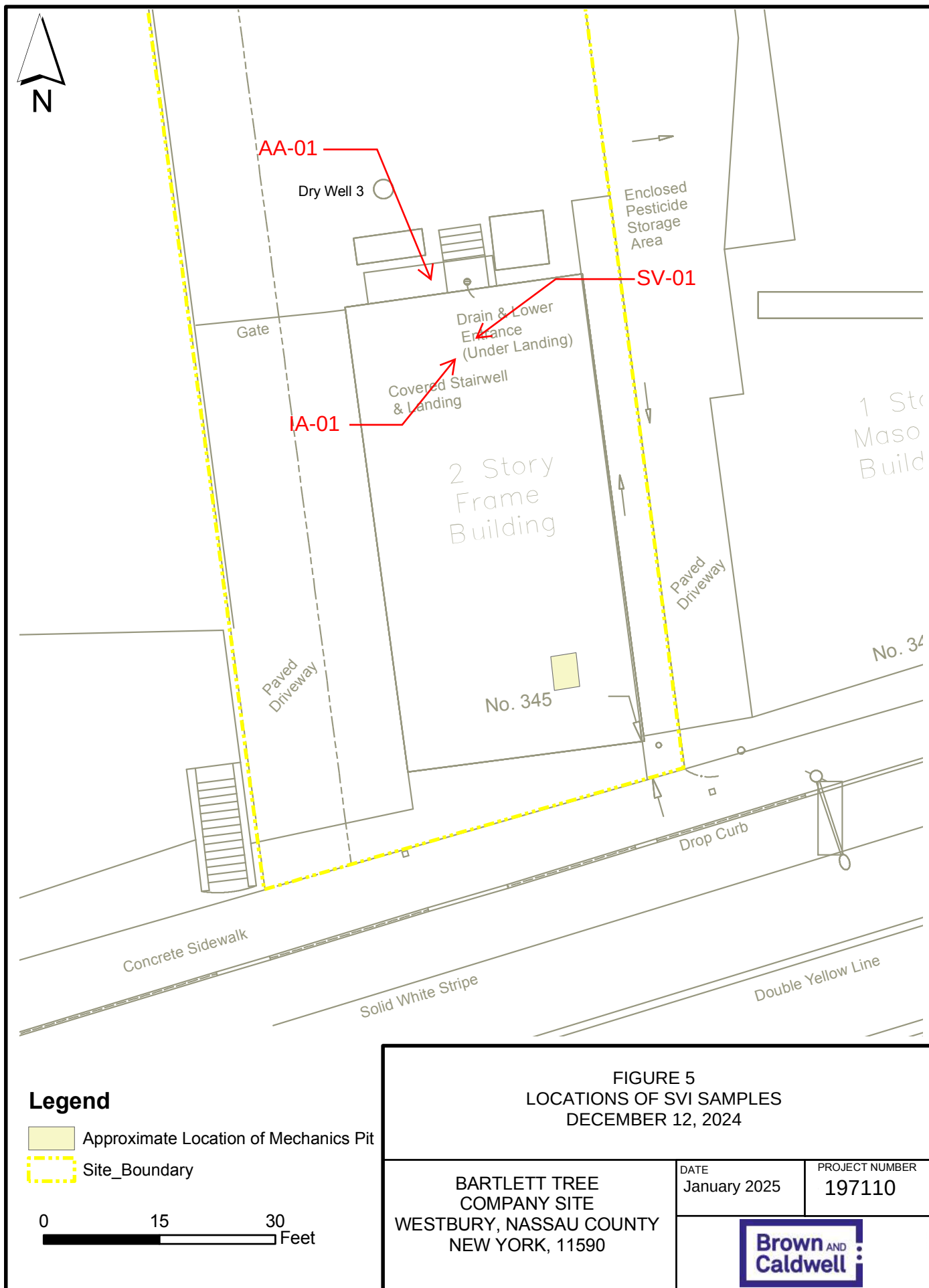


FIGURE 4f

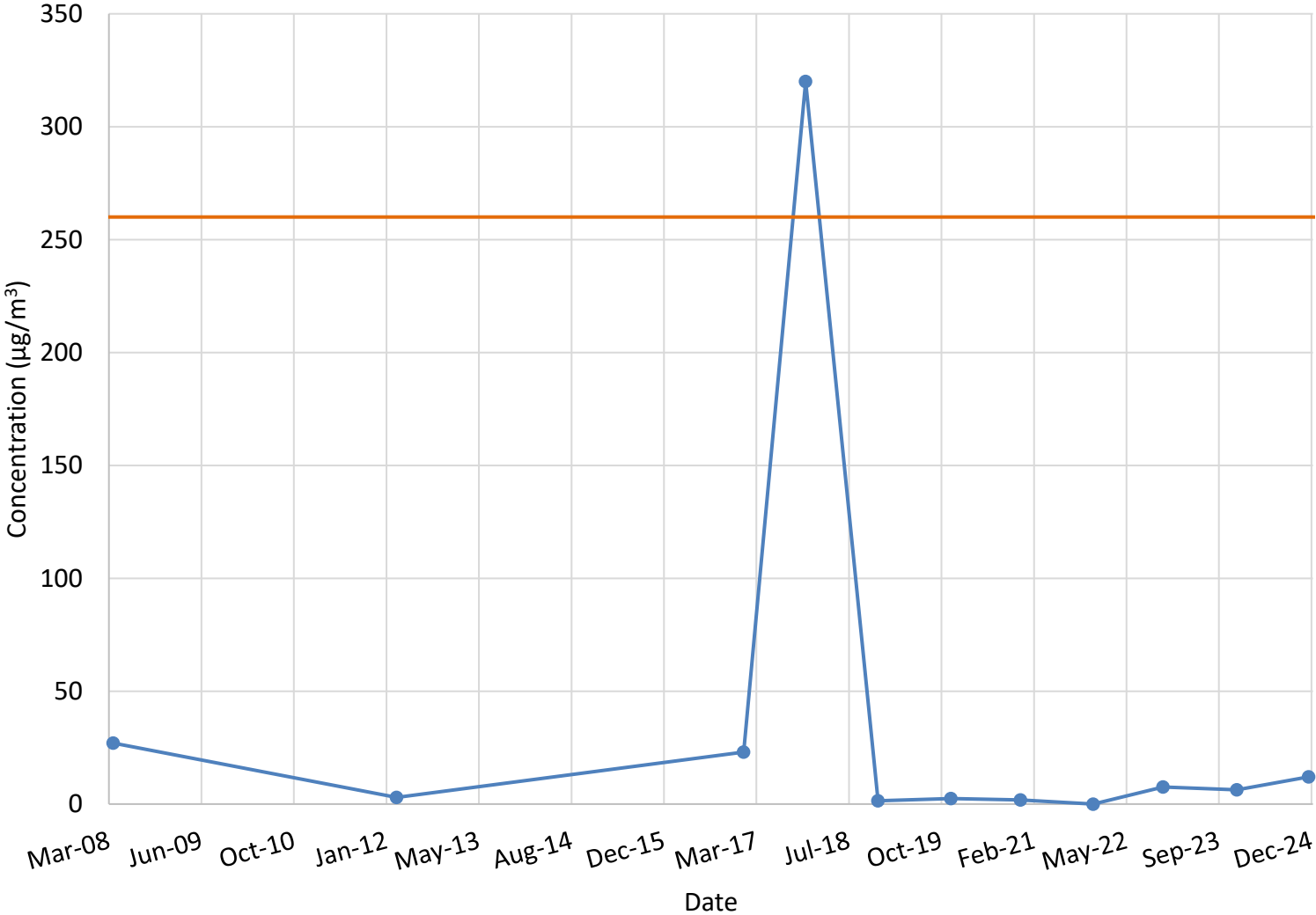
4,4'-DDD Trend Plot
All Site Monitoring Wells
(April 2015 – October 2024)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

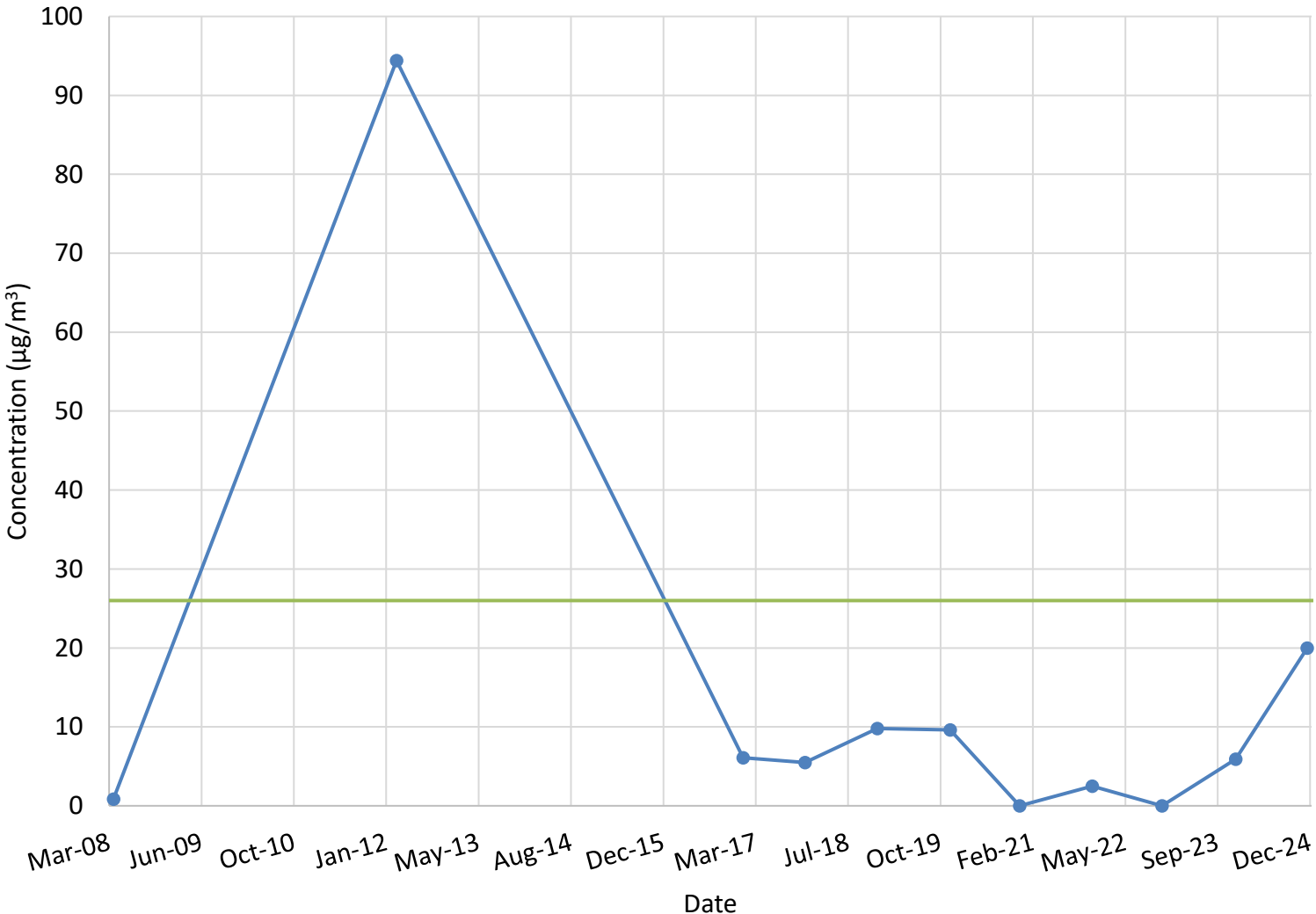


1,2,4-Trimethylbenzene – Soil Vapor



- Legend**
- Constituent Concentration
 - OSWER Target Soil Gas Concentration
 - OSWER Target Indoor Air Concentration

1,2,4-Trimethylbenzene – Indoor Air



Notes:
Concentrations of non-detect (below method detection limit) are plotted as 0 µg/m³.

OSWER – United State Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response

OSWER Target Indoor Air Concentration is the lower of the EPA Region 2 Composite Worker Air Screening values for Carcinogenic and Non-Carcinogenic risks.

OSWER Target Soil Gas Concentration is 10 times the OSWER Target Indoor Air Concentration.

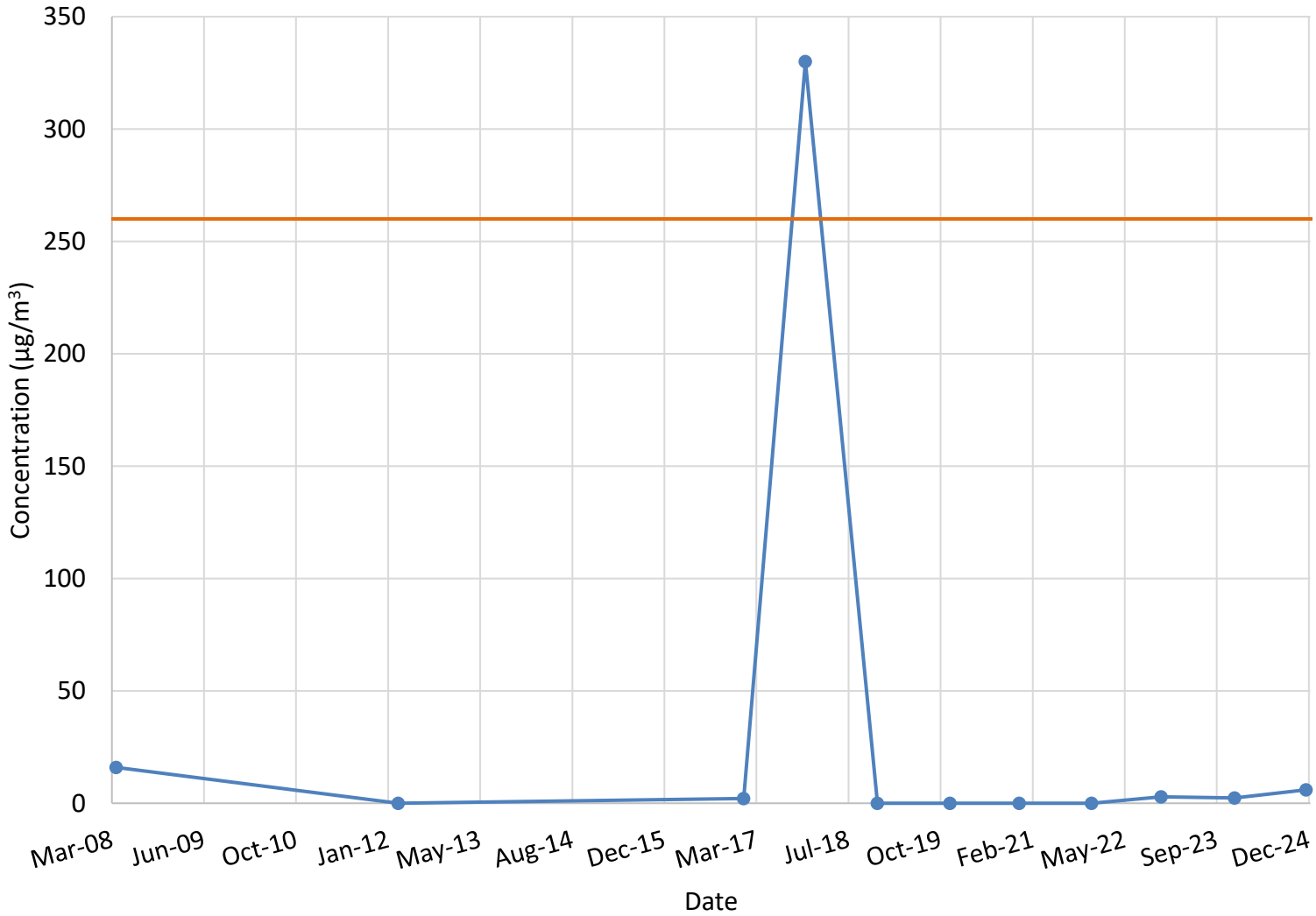
FIGURE 6a

1,2,4-Trimethylbenzene
Soil Vapor and Indoor Air
(March 2008 – December 2024)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

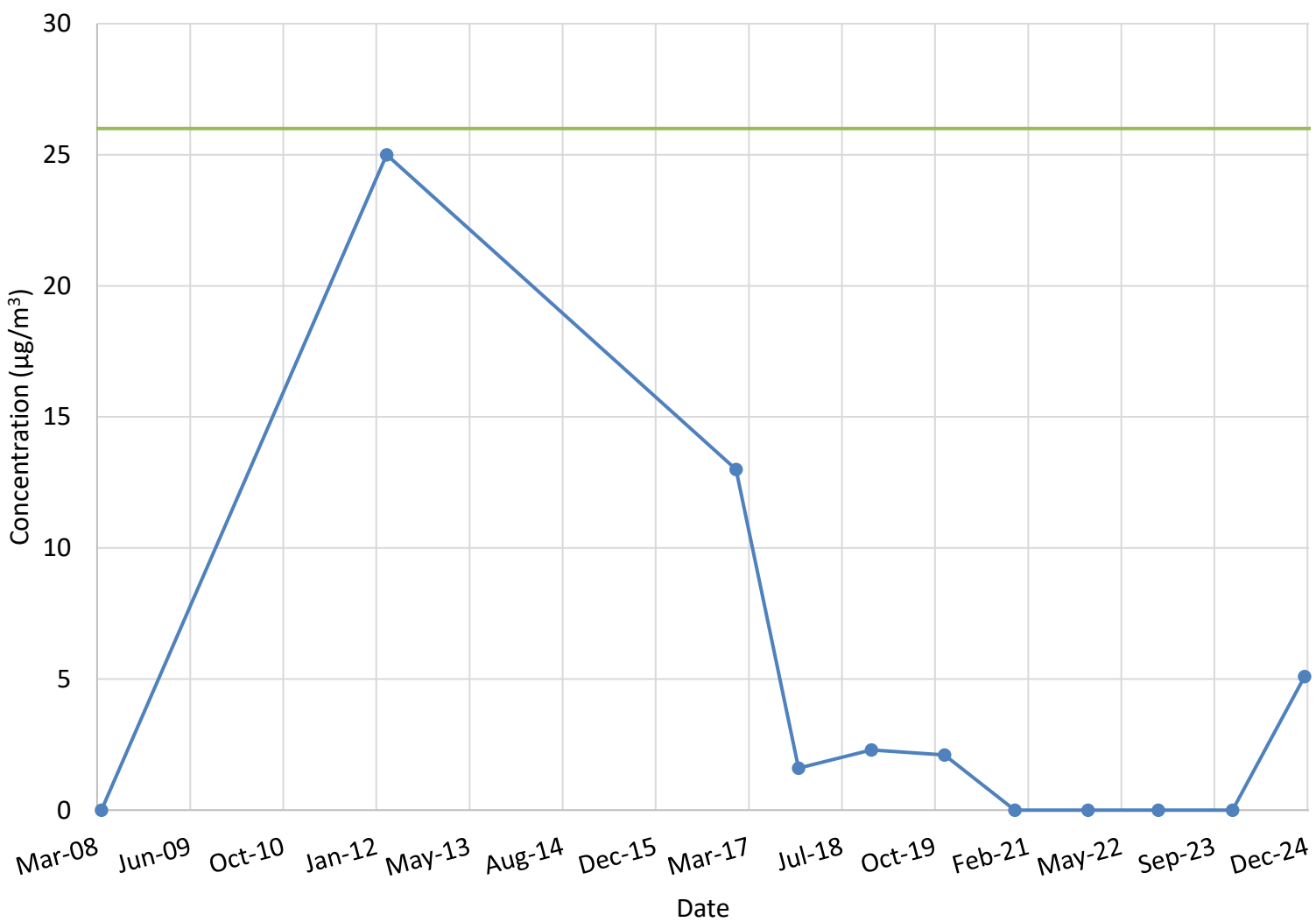
1,3,5-Trimethylbenzene – Soil Vapor



Legend

- Constituent Concentration
- OSWER Target Soil Gas Concentration
- OSWER Target Indoor Air Concentration

1,3,5-Trimethylbenzene – Indoor Air



Notes:

Concentrations of non-detect (below method detection limit) are plotted as 0 µg/m³.

OSWER – United State Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response

OSWER Target Indoor Air Concentration is the lower of the EPA Region 2 Composite Worker Air Screening values for Carcinogenic and Non-Carcinogenic risks.

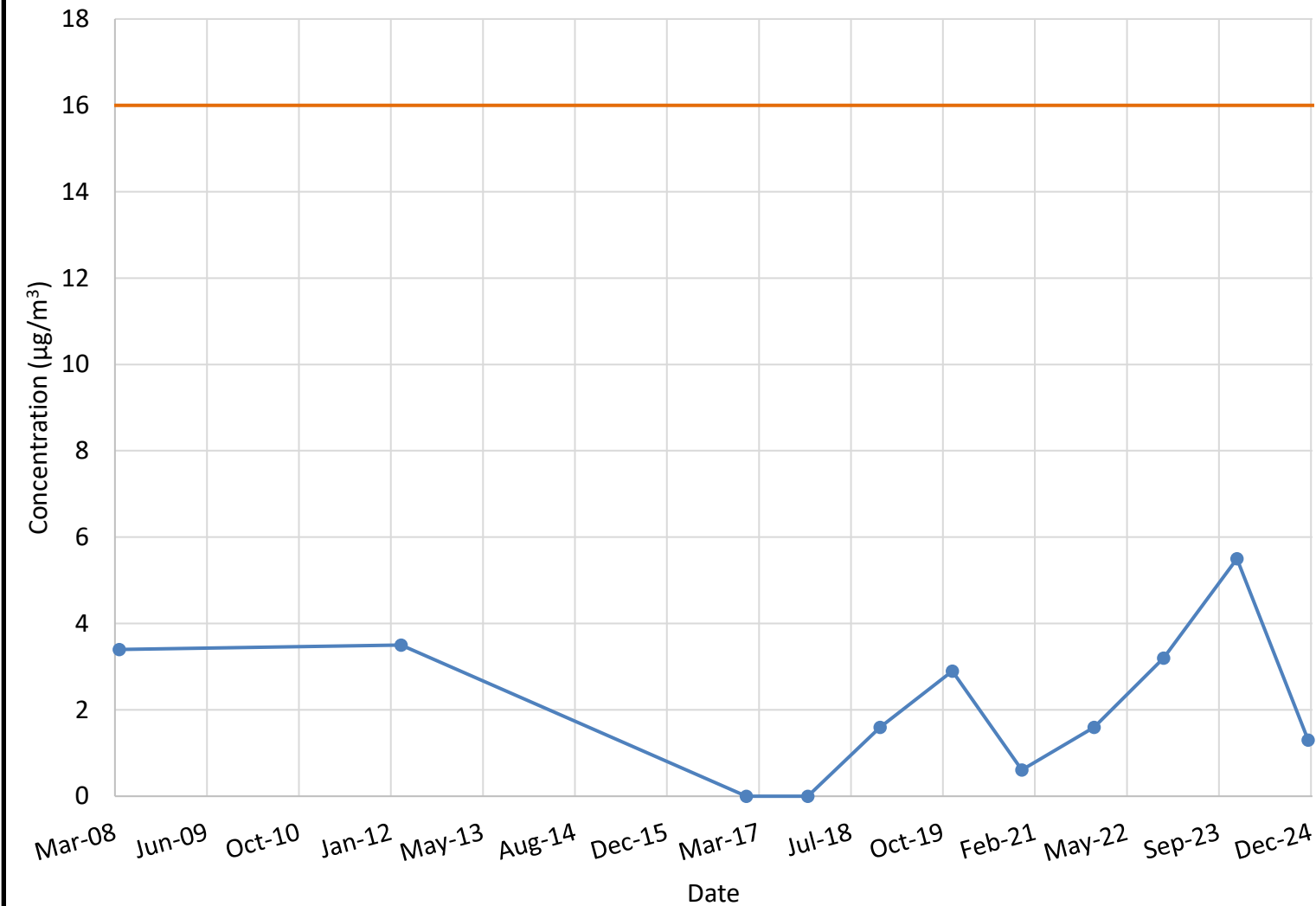
OSWER Target Soil Gas Concentration is 10 times the OSWER Target Indoor Air Concentration.

FIGURE 6b

1,3,5-Trimethylbenzene
Soil Vapor and Indoor Air
(March 2008 – December 2024)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

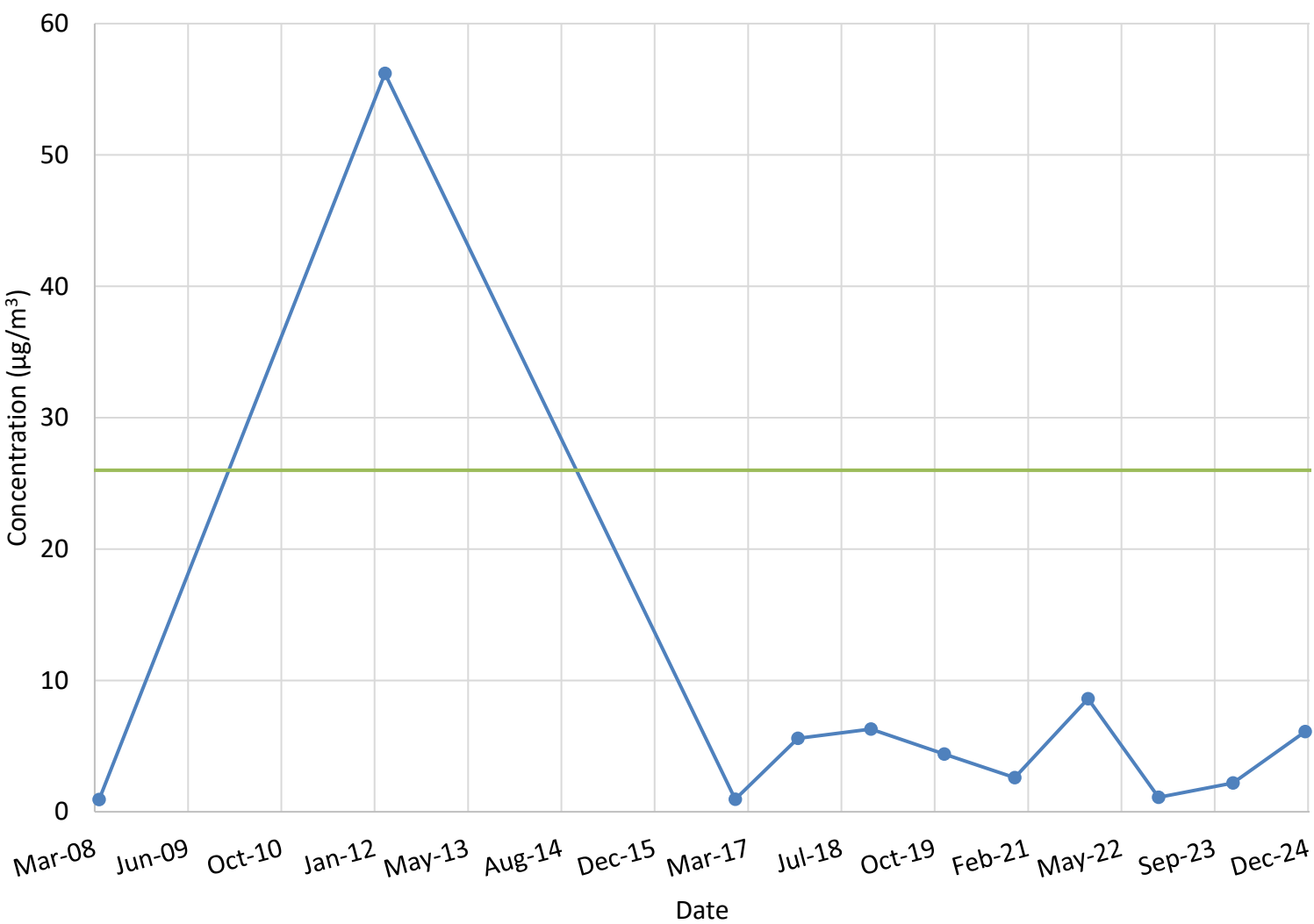
Benzene – Soil Vapor



Legend

- Constituent Concentration
- OSWER Target Soil Gas Concentration
- OSWER Target Indoor Air Concentration

Benzene – Indoor Air



Notes:

Concentrations of non-detect (below method detection limit) are plotted as 0 µg/m³.

OSWER – United State Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response

OSWER Target Indoor Air Concentration is the lower of the EPA Region 2 Composite Worker Air Screening values for Carcinogenic and Non-Carcinogenic risks.

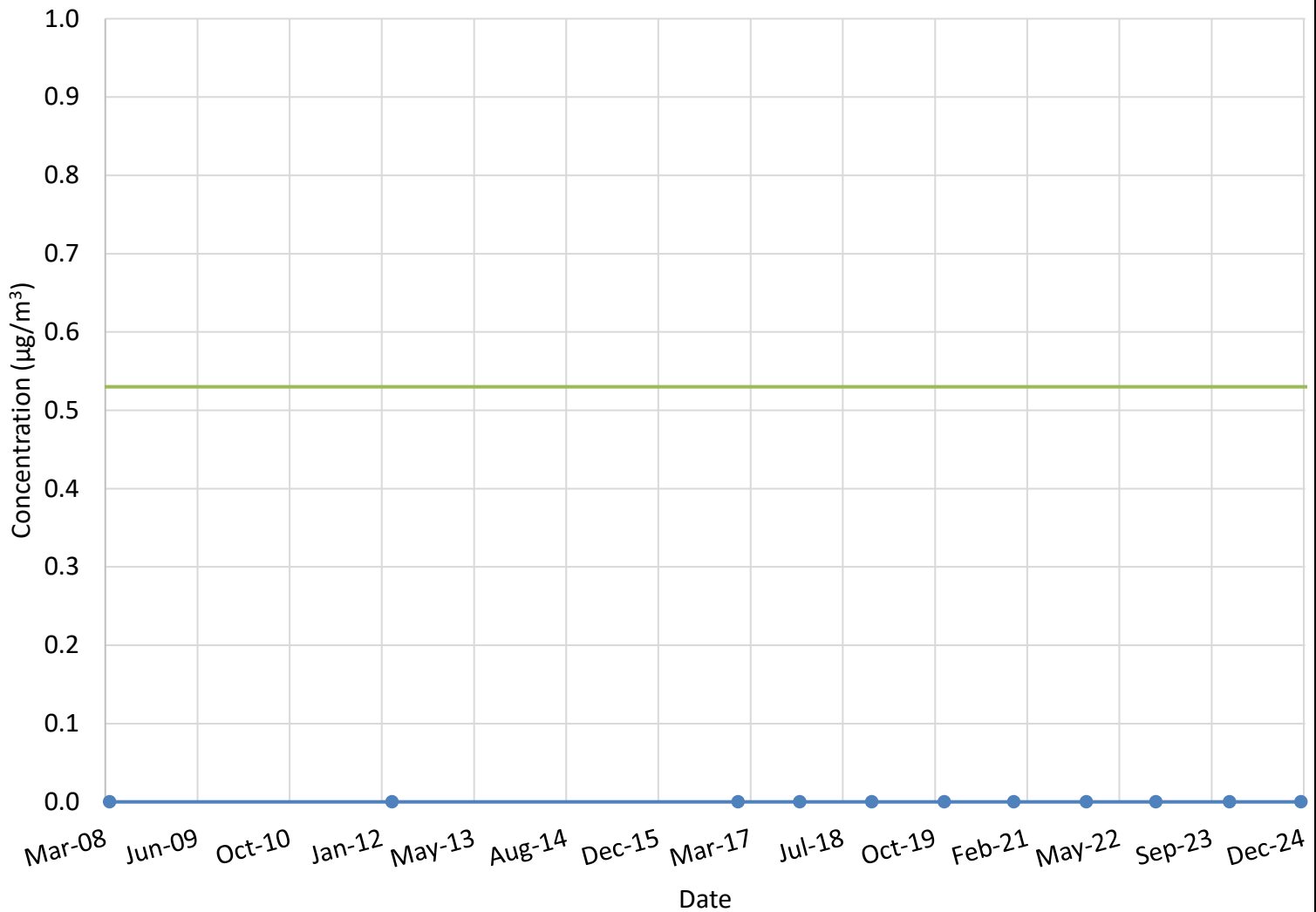
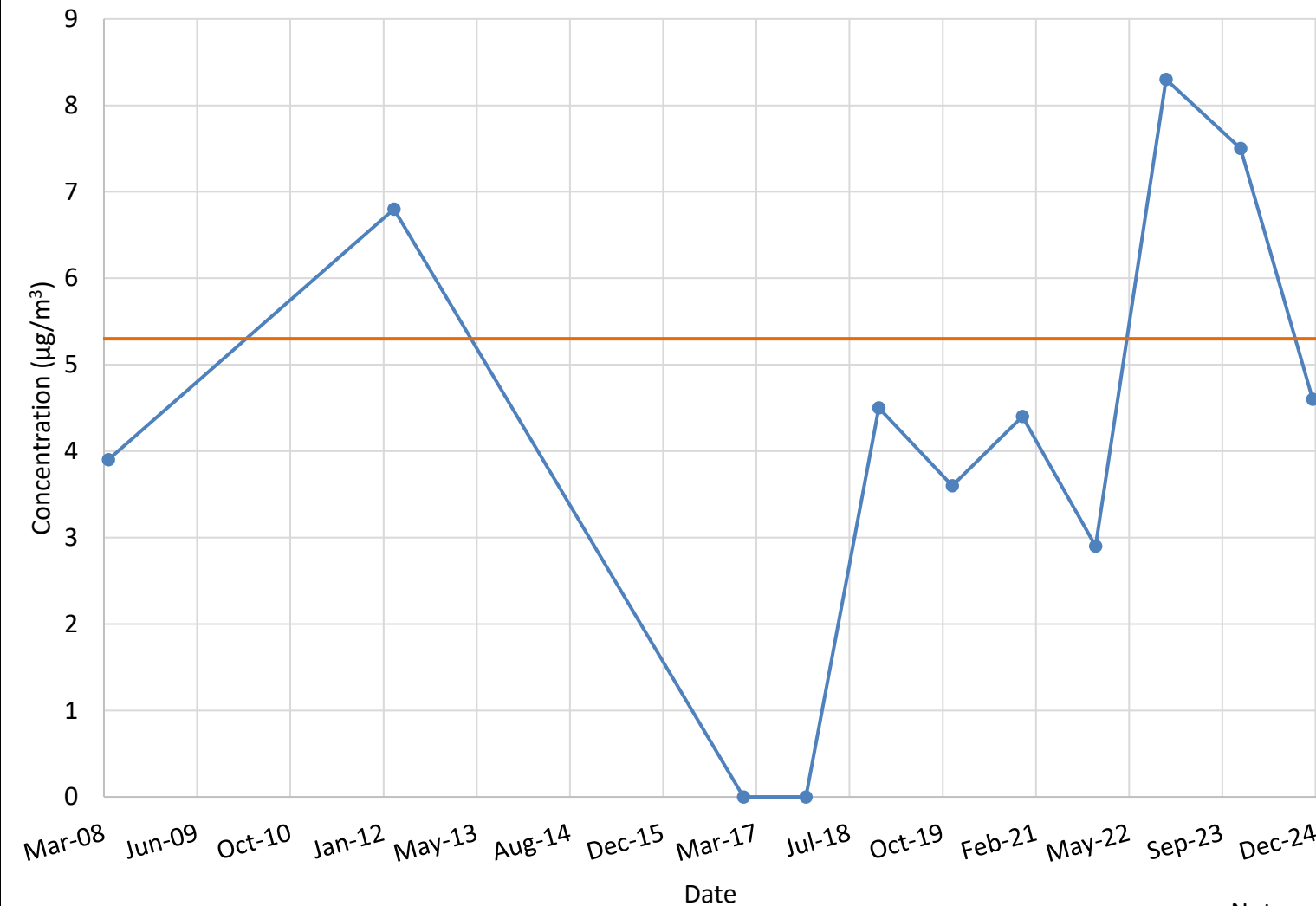
OSWER Target Soil Gas Concentration is 10 times the OSWER Target Indoor Air Concentration.

FIGURE 6c

Benzene
Soil Vapor and Indoor Air
(March 2008 – December 2024)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Chloroform – Soil Vapor



Legend

- Constituent Concentration
- OSWER Target Soil Gas Concentration
- OSWER Target Indoor Air Concentration

Notes:

Concentrations of non-detect (below method detection limit) are plotted as 0 µg/m³.

OSWER – United State Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response

OSWER Target Indoor Air Concentration is the lower of the EPA Region 2 Composite Worker Air Screening values for Carcinogenic and Non-Carcinogenic risks.

OSWER Target Soil Gas Concentration is 10 times the OSWER Target Indoor Air Concentration.

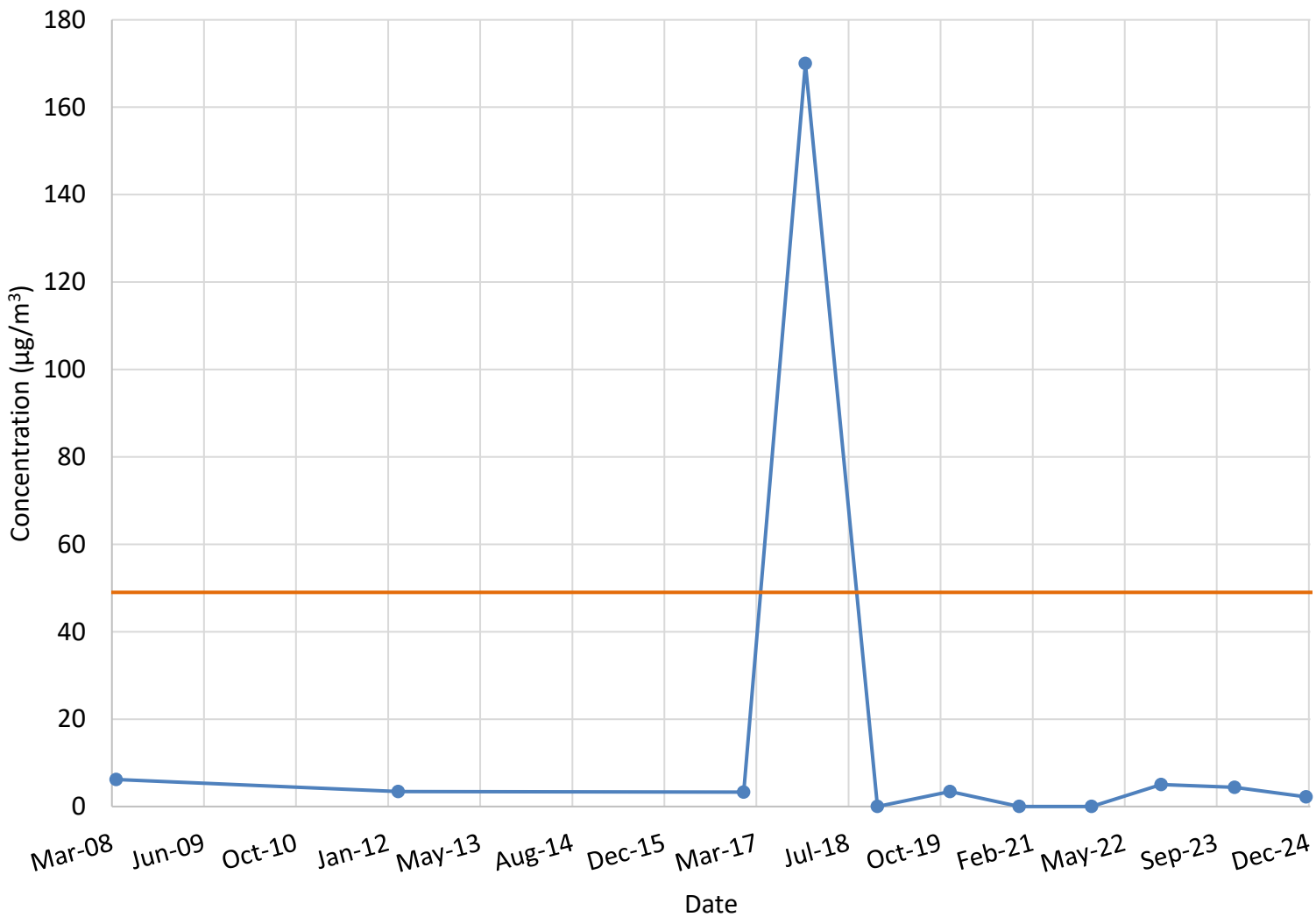
FIGURE 6d

Chloroform
Soil Vapor and Indoor Air
(March 2008 – December 2024)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

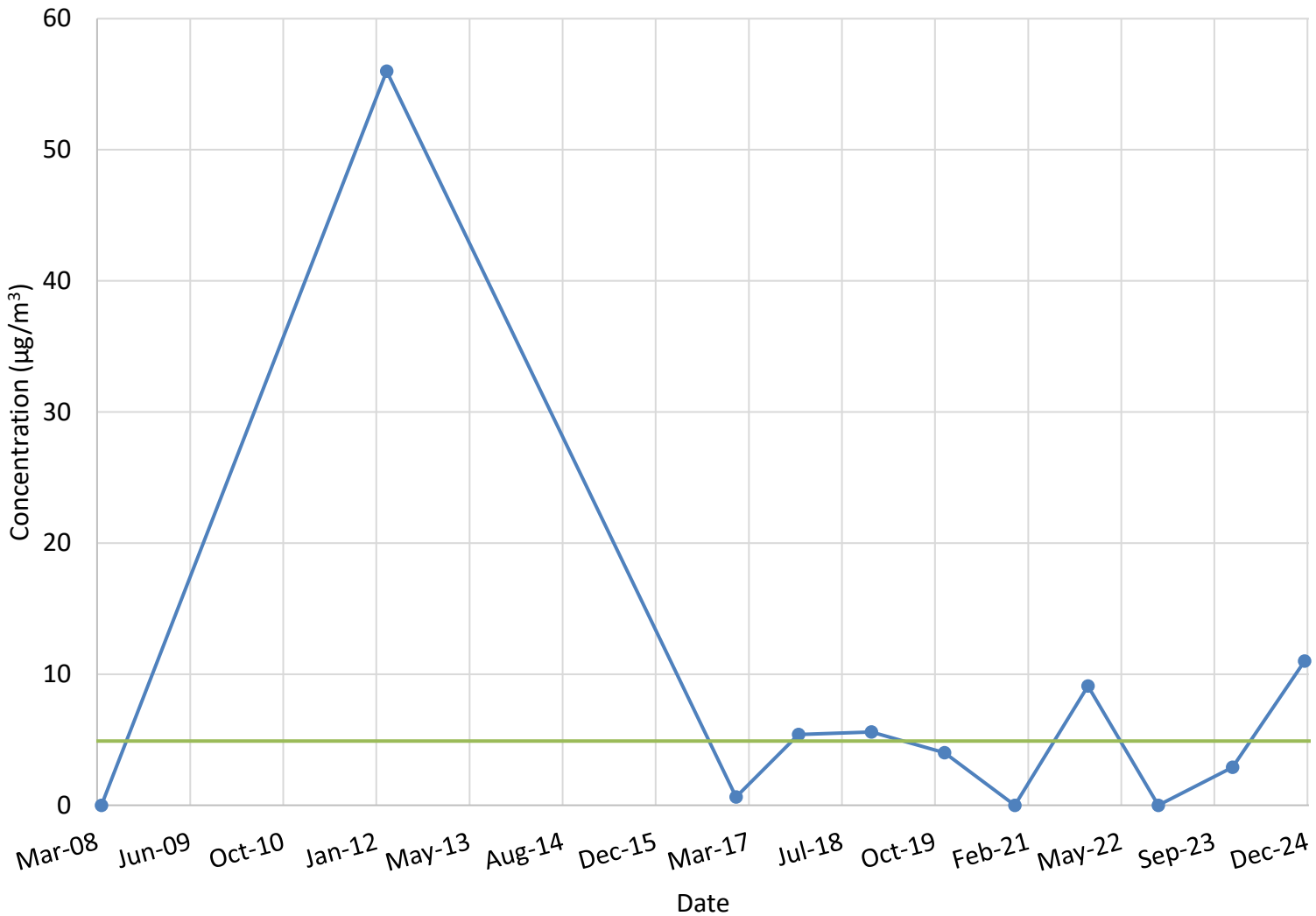
Ethylbenzene – Soil Vapor



Legend

- Constituent Concentration
- OSWER Target Soil Gas Concentration
- OSWER Target Indoor Air Concentration

Ethylbenzene – Indoor Air



Notes:

Concentrations of non-detect (below method detection limit) are plotted as 0 µg/m³.

OSWER – United State Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response

OSWER Target Indoor Air Concentration is the lower of the EPA Region 2 Composite Worker Air Screening values for Carcinogenic and Non-Carcinogenic risks.

OSWER Target Soil Gas Concentration is 10 times the OSWER Target Indoor Air Concentration.

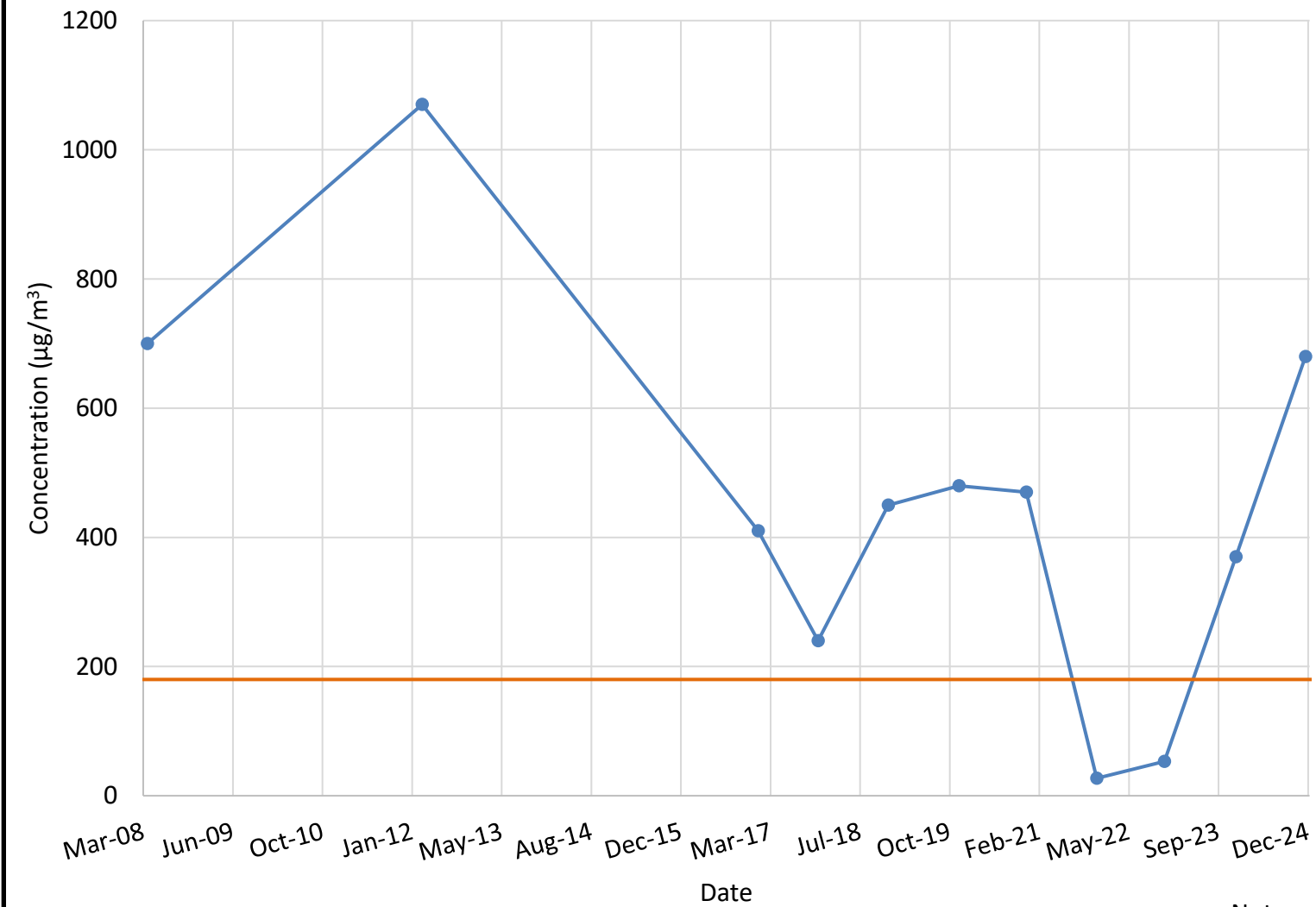
FIGURE 6e

Ethylbenzene
Soil Vapor and Indoor Air
(March 2008 – December 2024)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

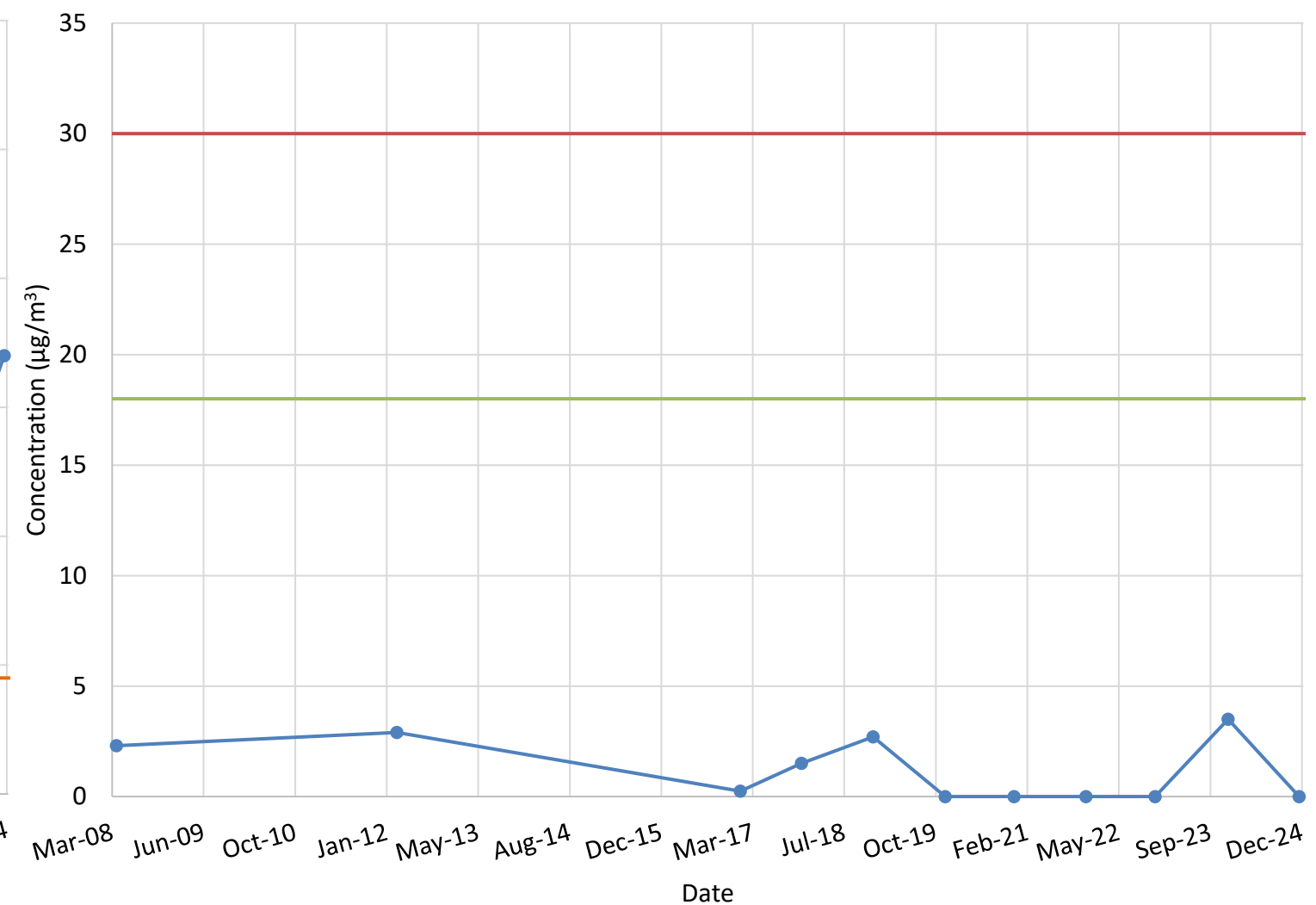
Brown AND Caldwell

Tetrachloroethene – Soil Vapor



- Legend**
- Constituent Concentration
 - OSWER Target Soil Gas Concentration
 - OSWER Target Indoor Air Concentration
 - NYSDOH Indoor Air Guideline Concentration

Tetrachloroethene – Indoor Air



Notes:
Concentrations of non-detect (below method detection limit) are plotted as 0 µg/m³.

OSWER – United State Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response

NYSDOH – New York State Department of Health

OSWER Target Indoor Air Concentration is the lower of the EPA Region 2 Composite Worker Air Screening values for Carcinogenic and Non-Carcinogenic risks.

OSWER Target Soil Gas Concentration is 10 times the OSWER Target Indoor Air Concentration.

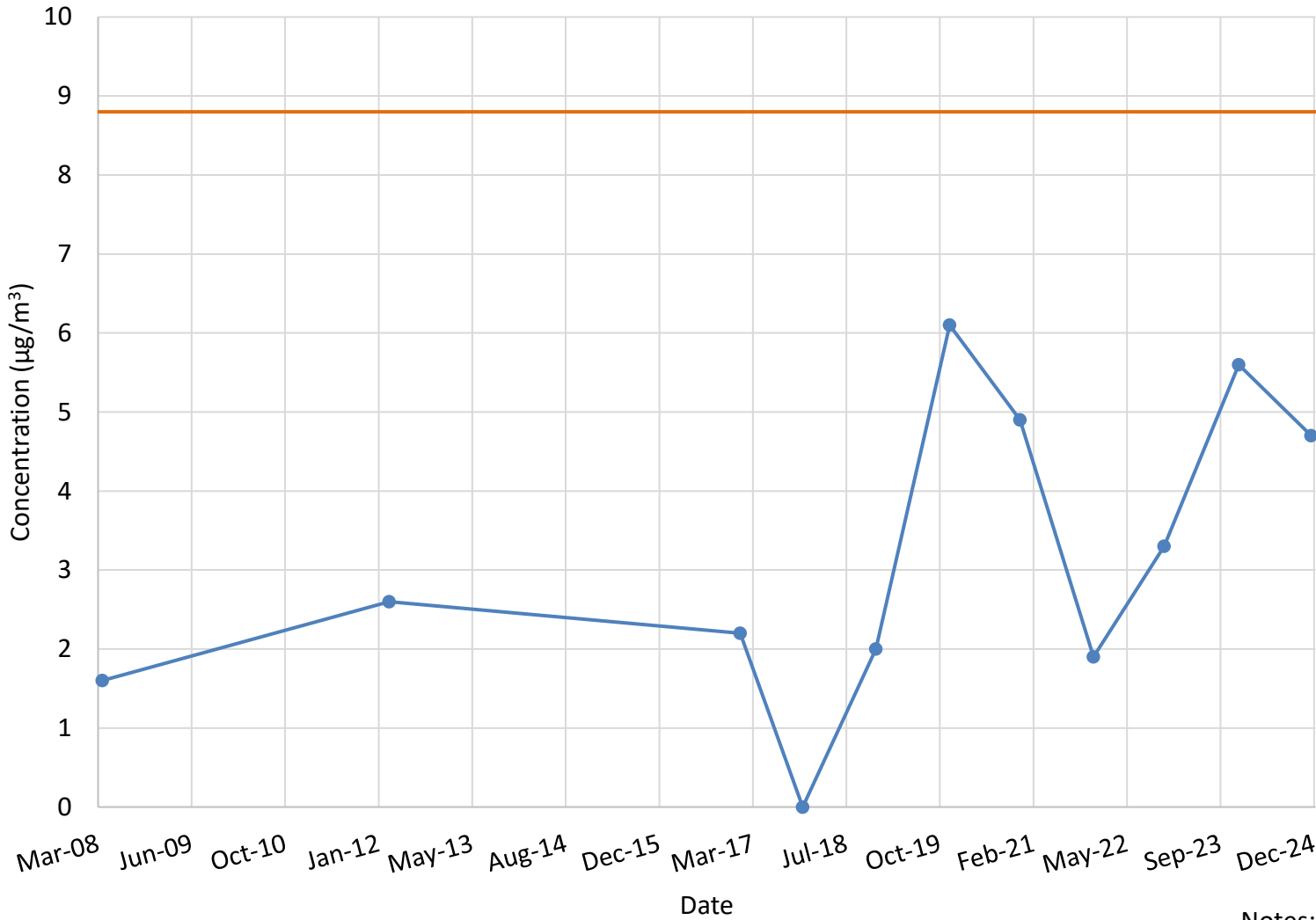
FIGURE 6f

**Tetrachloroethene
Soil Vapor and Indoor Air
(March 2008 – December 2024)**

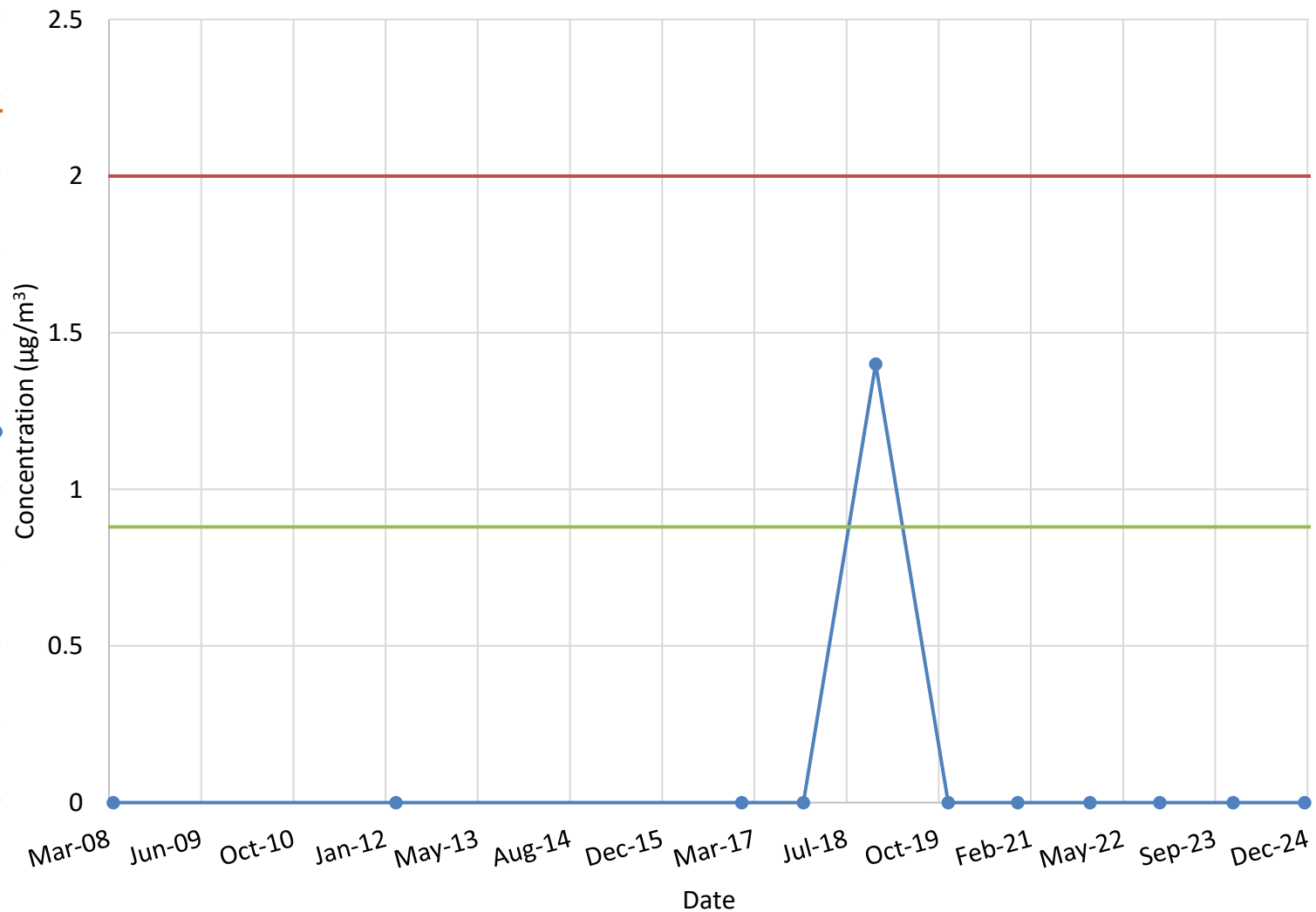
BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

Trichloroethene – Soil Vapor



Trichloroethene – Indoor Air



Legend

- Constituent Concentration
- OSWER Target Soil Gas Concentration
- OSWER Target Indoor Air Concentration
- NYSDOH Indoor Air Guideline Concentration

Notes:

Concentrations of non-detect (below method detection limit) are plotted as 0 µg/m³.

OSWER – United State Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response

NYSDOH – New York State Department of Health

OSWER Target Indoor Air Concentration is the lower of the EPA Region 2 Composite Worker Air Screening values for Carcinogenic and Non-Carcinogenic risks.

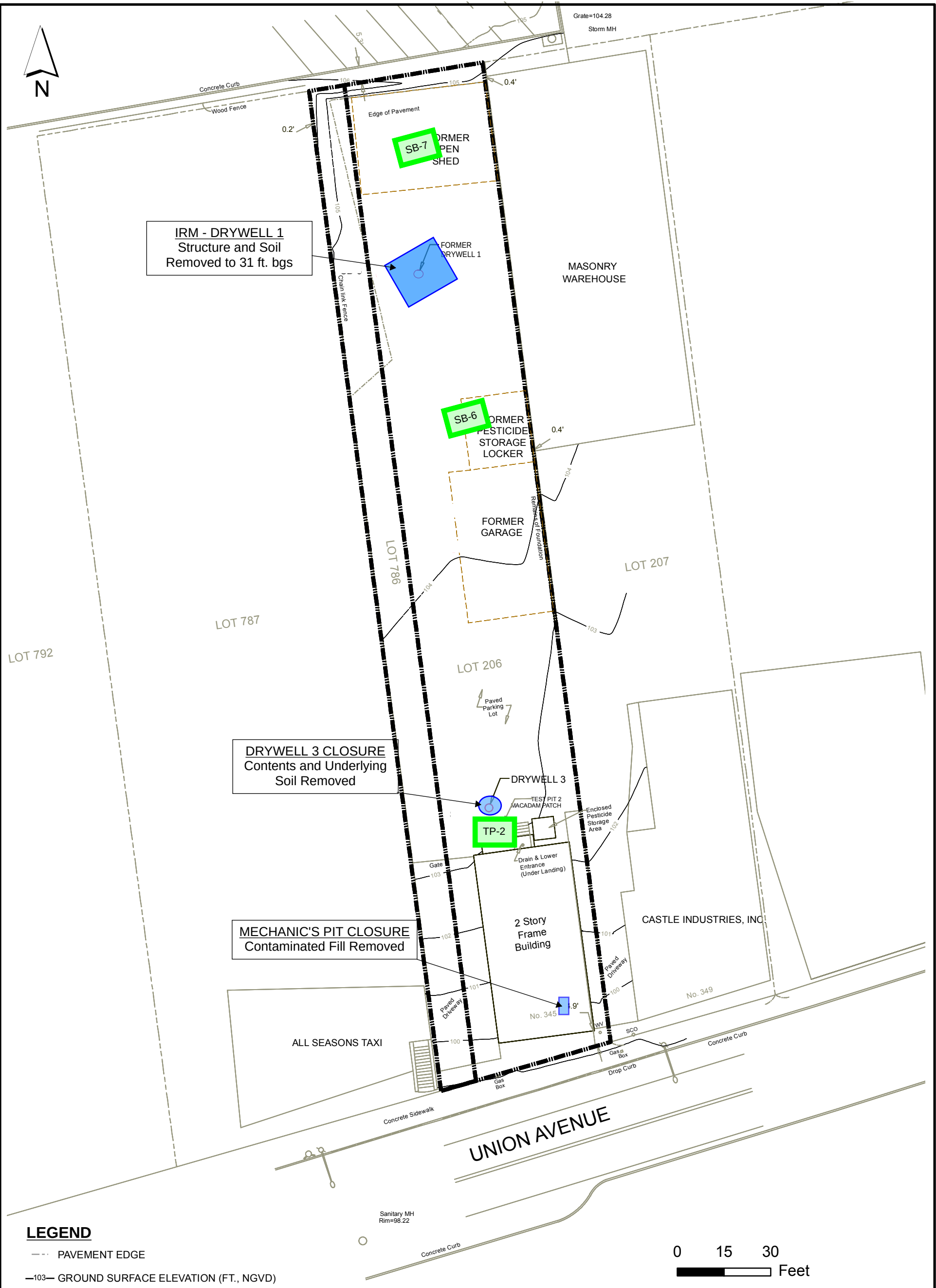
OSWER Target Soil Gas Concentration is 10 times the OSWER Target Indoor Air Concentration.

FIGURE 6g

Trichloroethene
Soil Vapor and Indoor Air
(March 2008 – December 2024)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell



LEGEND

- PAVEMENT EDGE
- 103- GROUND SURFACE ELEVATION (FT., NGVD)
- PROPERTY LINE
- FORMER STRUCTURE LOCATION (APPROXIMATE, DEMOLISHED JULY 2008)
- APPROXIMATE EXTENT OF REMEDIAL EXCAVATION
- REMAINING CONTAMINATION IDENTIFIED DURING REMEDIAL INVESTIGATION

FIGURE 7
EXTENT OF REMEDIAL EXCAVATIONS
AND REMAINING SOIL CONTAMINATION

BARTLETT TREE COMPANY SITE
WESTBURY, NEW YORK

DATE
February 2023

PROJECT NUMBER
158388



Appendix A: Certificate of Completion and Site Reclassification From 2 to 4



CERTIFICATE OF COMPLETION

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Office of the Director
625 Broadway, 12th Floor, Albany, New York 12233-7011
P: (518) 402-9706 | F: (518) 402-9020
www.dec.ny.gov

DEC 01 2015

FA Bartlett Tree Expert Company
Attn: Mr. David Marren, Esq.
13768 Hamilton Road
Charlotte, NC 28278

Re: Certificate of Completion and Registry Reclassification from 2 to 4
Site Name: Bartlett Tree Company
Site No. 130074
Village of Westbury, Town of N. Hempstead
Nassau County

Dear Mr. Bartlett:

Congratulations on having satisfactorily completed the remedial program at the Bartlett Tree Company Site. Enclosed please find an original, signed Certificate of Completion. This also results in the New York State Department of Environmental Conservation's (DEC) reclassification of the above-referenced site on the Registry of Inactive Hazardous Waste Disposal Sites ("Registry") from Class 2 to Class 4. The effective date of the classification change shall be 20 days from the date of this letter.

Please note that you are required to perform the following tasks:

- If you are the site owner, you must record a notice of the COC in the recording office for the County where any portion of the site is located within 30 days of issuance of the COC; or if you are a prospective purchaser of the site, you must record a notice of the COC within 30 days of the date that you acquire the site. If you are a non-owner, you must work with the owner to assure the notice of COC is recorded within the time frame specified. In all cases, proof of filing must be provided to the Department within 30 days of receipt. A standard notice form is attached to this letter.
- Place the notice of the COC in the document repository for the site within 10 days of issuance of the COC; and
- Implement the DEC-approved Site Management Plan (SMP) which details the activities necessary to assure the performance, effectiveness, and protectiveness of the remedial program. You must report the results of these activities to DEC in a Periodic Review Report (PRR) which also includes any required IC/EC certifications. The site IC/ECs are identified on the attached Site Management Form. The first PRR including the certification of the IC/ECs is due to DEC in March 2017.

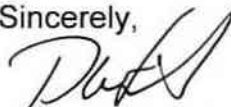


Department of
Environmental
Conservation

DEC will prepare and distribute to the Site Contact List a fact sheet describing the institutional and engineering controls that are required at the site, and notifications relating to the reclassification or delisting of the site on the Registry.

If you have any questions regarding the reclassification or any of the above tasks, please contact the project manager for this site, Jamie Ascher, at (631) 444-0246 or by email at jamie.ascher@dec.ny.gov.

Sincerely,



Robert W. Schick, P.E.

Director

Division of Environmental Remediation

Enclosures

cc: Robert Bartlett, Jr. – The Bartlett Realty Company, Inc.
Krista Anders, DOH
Anthony Perretta, DOH
Jim Harrington, DEC
Walter Parish, DEC
Jamie Ascher, DEC
Rosalie K. Rusinko, DEC

NYSDEC STATE SUPERFUND PROGRAM (SSF)
CERTIFICATE OF COMPLETION

CERTIFICATE HOLDER(S):

Name

FA Bartlett Tree Expert Company

Address

13768 Hamilton Rd., Charlotte, NC 28278

SITE INFORMATION

Site No.: 130074 **Site Name:** Bartlett Tree Company

Order on Consent: Index No. W1-1091-06-08 **Order Execution Date:** April 20, 2007

Site Owner: The Bartlett Realty Company, Inc.

Street Address: 345 Union Avenue

Municipality: Westbury **County:** Nassau **DEC Region:** 1

Site Size: 0.414 Acres

Tax Map Identification Numbers: 10-228-206, 10-228-786

A description of the property subject to this Certificate is attached as Exhibit A and a site survey is attached as Exhibit B.

CERTIFICATE ISSUANCE

This Certificate of Completion, hereinafter referred to as the "Certificate," is issued pursuant to 6 NYCRR §375-1.9.

This Certificate has been issued upon satisfaction of the Commissioner, following review by the Department of the final engineering report and data submitted pursuant to the Order on Consent as well as any other relevant information regarding the Site, that the applicable remediation requirements set forth in the Environmental Conservation Law (ECL) and 6NYCRR Part 375 have been or will be achieved in accordance with the time frames, if any, established in the remedial work plan.

The remedial program for the Site has achieved a cleanup level that would be consistent with the following categories of uses:

Allowable Uses under the SSF: Commercial and Industrial

The Remedial Program includes use restrictions or reliance on the long term employment of institutional or engineering controls which are contained in the approved Site Management Plan and an Environmental Easement granted pursuant to ECL Article 71, Title 36 which has been duly recorded in the Recording Office for Nassau County as Liber Book D, Pages 39-48.

LIABILITY LIMITATION

Upon issuance of this Certificate of Completion, and subject to the terms and conditions set forth herein, the Certificate holder(s) shall be entitled to the liability limitation provided in 6NYCRR §375-2.9. The liability limitation shall run with the land, extending to the Certificate holder's successors or assigns through acquisition of title to the Site and to a person who develops or otherwise occupies the Site, subject to certain limitations as set forth in 6NYCRR §375-2.9(d). The liability limitation shall be subject to all rights reserved to the State by ECL §27-1321 and any other applicable provision of law.

CERTIFICATE TRANSFERABILITY

This Certificate may be transferred to the Certificate holder's successors or assigns upon transfer or sale of the Site as provided by 6NYCRR §375-1.9(f)-(g).

CERTIFICATE MODIFICATION/REVOCATION

This Certificate of Completion may be modified or revoked by the Commissioner following notice and an opportunity for a hearing in accordance with 6NYCRR §375-1.9(e)(2) upon a finding that:

- (1) the remedial party has failed to manage the controls or monitoring in full compliance with the terms of the approved remedial program;
- (2) there has been a failure to comply with the terms and conditions of the order;
- (3) there was a misrepresentation of a material fact tending to demonstrate that the cleanup levels were reached;
- (4) the terms and conditions of any environmental easement have been intentionally violated or found to be not protective or enforceable;
- (5) for good cause;
- (6) environmental contamination at, on, under, or emanating from the site if, in light of such conditions, the site is no longer protective of public health or the environment, and the remedial party is not in good faith negotiating, and/or following its approval by the Department, implementing a work plan to achieve conditions at the site which are protective of public health and the environment;
- (7) non-compliance with the terms of the order, the remedial work plan, site management plan, or the certificate of completion after notice of the failure and reasonable opportunity to cure has been afforded to the remedial party by the Department as provided for at paragraph 375-1.9(e)(2);
- (8) fraud related to the remedial program for the site committed by the certificate holder;
- (9) a finding by the Department that a change in an environmental standard, factor, or criterion upon which the remedial work plan was based renders the remedial program implemented at the site no longer protective of public health or the environment, and the remedial party is not in good faith negotiating, and/or following its approval by the Department, implementing a work plan to achieve conditions at the site which are protective of public health and the environment; or
- (10) a change in the site's use subsequent to the Department's issuance of the certificate of completion, unless additional remediation is undertaken which shall meet the standard for protection of the public health and environment that applies to this site.

The Certificate holder(s) (including its successors or assigns) shall have thirty (30) days within which to cure any deficiency or to seek a hearing. If the deficiency is not cured or a request for a hearing received within such 30-day period, the Certificate shall be deemed modified or vacated on the 31st day after the Department's notice.

Basil Seggos
Acting Commissioner
New York State Department of Environmental Conservation

By:



Robert W. Schick, P.E., Director
Division of Environmental Remediation

Date: December 1, 2015

NOTICE OF CERTIFICATE OF COMPLETION
Inactive Hazardous Waste Disposal Site Program
Pursuant to 6 NYCRR Part 375-1.9(d)

Bartlett Tree Company, Site ID No. 1-30-074
345 Union Ave., Village of Westbury, NY, 11590
Town of North Hempstead, Nassau County, Section 10, Block 228, Lots 206 & 786

PLEASE TAKE NOTICE, the New York State Department of Environmental Conservation (Department) has issued a Certificate of Completion (Certificate) pursuant to 6 NYCRR Part 375 to FA Bartlett Tree Expert Company for a parcel approximately 0.414 acres located at the 345 Union Avenue in the Village of Westbury, Nassau County.

PLEASE TAKE NOTICE, the Certificate was issued upon satisfaction of the Commissioner, following review by the Department of the construction completion report and data submitted pursuant to the Order on Consent, as well as any other relevant information regarding the Site, that the remediation requirements set forth in ECL Article 27, Title 13 have been or will be achieved in accordance with the time frames, if any, established in the remedial work plan.

PLEASE TAKE NOTICE, the remedial program for the Site has achieved a cleanup level that would be consistent with the following categories of uses (actual site use is subject to local zoning requirements):

Commercial Use, as set forth in 6 NYCRR 375-1.8(g)(2)iii.
Industrial Use, as set forth in 6 NYCRR 375-1.8(g)(2)iv.

Further, the use of groundwater is restricted and may not be used, unless treated in accordance with the requirements provided by the New York State Department of Health, or a local County Health Department with jurisdiction in such matters and such is approved by the Department as not inconsistent with the remedy.

PLEASE TAKE NOTICE, since the remedial program relies upon use restrictions or the long term employment of institutional or engineering controls; such institutional or engineering controls are contained in an Environmental Easement granted pursuant to ECL Article 71, Title 36 which has been duly recorded in the Recording Office for Nassau County as Liber Book D, Pages 39-48.

PLEASE TAKE NOTICE, the Environmental Easement requires that the approved site management plan (SMP) for this property be adhered to. The SMP, which may be amended from time to time, may include sampling, monitoring, and/or operating a treatment system on the property, providing certified reports to the NYSDEC, and generally provides for the management of any and all plans and limitations on the property. A copy of the SMP is available upon request by writing to the Department's Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, New York 12233.

PLEASE TAKE NOTICE, provided that the Environmental Easement, SMP and Certificate are complied with, the Certificate holder shall be entitled to the liability limitation provided in 6 NYCRR Part 375-2.9. The liability limitation shall run with the land, extending to the Certificate holders successors or assigns through acquisition of title to the Site and to a person who develops or otherwise occupies the Site, subject to certain limitations as set forth in 6 NYCRR Part 375-2.9. The liability limitation shall be subject to all rights reserved to the State by 6 NYCRR Part 375-2.9 and any other applicable provision of law.

Bartlett Tree Company, Site #1-30-074, 345 Union Ave.

PLEASE TAKE NOTICE, any change of use of the site, as defined in 6 NYCRR 375, must be preceded by notice to the Department in accordance with 6 NYCRR 375-1.11(d). A transfer of any or all of the property constitutes a change of use.

PLEASE TAKE NOTICE, the Certificate may be only be transferred to the Certificate holders successors or assigns upon transfer or sale of the Site as provided by 6 NYCRR Part 375-1.9. Failure to comply with the regulatory requirements for transfer **WILL** bar the successors and assigns from the benefits of the Certificate.

PLEASE TAKE NOTICE, the Certificate may be modified or revoked by the Commissioner as set forth in the applicable regulations.

PLEASE TAKE NOTICE, the Certificate may be revoked if the Environmental Easement as implemented, if applicable, is not protective or enforceable.

PLEASE TAKE NOTICE, a copy of the Certificate can be reviewed at the DEC's Region One office located at SUNY at Stony Brook, 50 Circle Road, Stony Brook, NY 11790 by contacting the Regional Environmental Remediation Engineer.

WHEREFORE, the undersigned has signed this Notice of Certificate

FA Bartlett Tree Expert Company

By: _____

Title: _____

Date: _____

STATE OF NEW YORK) SS:
COUNTY OF)

On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Signature and Office of individual
taking acknowledgment

Please record and return to:
FA Bartlett Tree Expert Company
13768 Hamilton Road
Charlotte, NC 28278



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Form
11/4/2015



SITE DESCRIPTION

SITE NO. 130074
SITE NAME Bartlett Tree Company
SITE ADDRESS: 345 Union Avenue ZIP CODE: 11590
CITY/TOWN: Westbury
COUNTY: Nassau
ALLOWABLE USE: Commercial and Industrial

SITE MANAGEMENT DESCRIPTION

SITE MANAGEMENT PLAN INCLUDES:

IC/EC Certification Plan YES

Monitoring Plan YES

Operation and Maintenance (O&M) Plan NO

Periodic Review Frequency: 1 year

Periodic Review Report Submittal Date: 03/01/2017

Description of Institutional Control

Robert A Bartlett, Jr.

345 Union Avenue

Environmental Easement

Block: 228

Lot: 786

Sublot:

Section: 10

Subsection:

S_B_L Image: 10-228-786

Ground Water Use Restriction

IC/EC Plan

Landuse Restriction

Monitoring Plan

Site Management Plan

Robert A. Bartlett, Jr.

345 Union Avenue

Environmental Easement

Block: 228

Lot: 206

Sublot:

Section: 10

Subsection:

S_B_L Image: 10-228-206

Ground Water Use Restriction

IC/EC Plan

Landuse Restriction

Monitoring Plan

Site Management Plan

Description of Engineering Control

Not Applicable/No EC's

SCHEDULE "A" PROPERTY DESCRIPTION

BEGINNING AT A POINT ON THE NORTHERLY LINE OF UNION AVENUE, FORMERLY KNOWN AS RAILROAD AVENUE, DISTANT 295.10 FEET WESTERLY FROM THE CORNER FORMED BY THE INTERSECTION OF THE NORTHERLY LINE OF UNION AVENUE AND THE WESTERLY LINE OF LINDEN AVENUE, FORMERLY KUSCH AVENUE AND RUNNING THENCE;

ALONG THE NORTHERLY LINE OF UNION AVENUE, SOUTH 73°58'02" WEST A DISTANCE OF 45.00 FEET; THENCE
ALONG THE NORTHERLY LINE OF UNION AVENUE, SOUTH 73°58'02" WEST A DISTANCE OF 11.63 FEET; THENCE
NORTH 07°31'41" WEST, A DISTANCE OF 323.75 FEET; THENCE
NORTH 80°36'52" EAST, A DISTANCE OF 11.51 FEET; THENCE
NORTH 80°36'52" EAST, A DISTANCE OF 45.00 FEET; THENCE
SOUTH 07°26'35" EAST, A DISTANCE OF 317.19 FEET TO THE POINT AND PLACE OF BEGINNING.

CONTAINING 0.414 ACRES

NOTICE OF COC

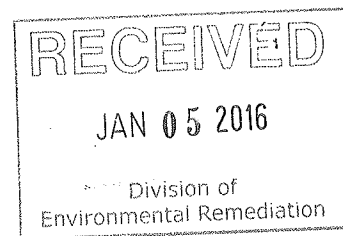


Mark J. Wagner, Jr.
Direct Dial: (518) 641-0507
Direct Facsimile: (518) 615-1507
E-Mail: mwagner@westfirmllaw.com

January 4, 2016

BY USPS PRIORITY MAIL

Robert W. Schick, P.E., Director
Division of Environmental Remediation
New York State Department of
Environmental Conservation
625 Broadway, 12th Floor
Albany, New York 12233-7011



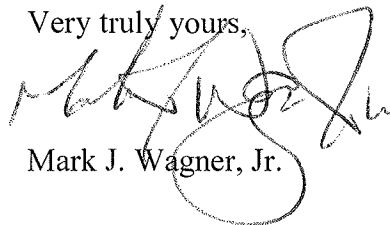
Re: Certificate of Completion
Site Name: Bartlett Tree Company
Site No.: 130074
Village of Westbury, Town of N. Hempstead
Nassau County

Dear Mr. Schick:

In accordance with the directive in your letter of December 1, 2015, enclosed please find a certified copy of the Notice of Certificate of Completion ("Notice") in regard to the Bartlett Tree Company's site in the Village of Westbury as proof the Notice was filed with the Nassau County Clerk. The Notice was filed on December 28, 2015.

Should you have any questions please do not hesitate to contact us.

Very truly yours,



Mark J. Wagner, Jr.

MJW/tmk
Enclosure
cc: Rosalie K. Rusinko, DEC

Nassau County
Maureen OConnell
County Clerk
Mineola, NY 11501



56 2015 00017868

Instrument Number: 2015- 00017868

As

E09 - MISCELLANEOUS FILINGS

Recorded On: December 28, 2015

Parties: NYS DEPT OF ENVIRONMENTAL CONSERVATION

TO FA BARTLETT TREE EXPERT CO

Num Of Pages:

Recorded By: WEST FIRM

Comment:

**** Examined and Charged as Follows: ****

E09 - MISCELLANEOUS FILINGS 0.00

Recording Charge: 0.00

**** THIS PAGE IS PART OF THE INSTRUMENT ****

I hereby certify that the within and foregoing was recorded in the Clerk's Office For: Nassau County, NY

File Information:

Record and Return To:

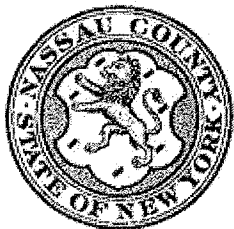
Document Number: 2015- 00017868

Receipt Number: 91132

Recorded Date/Time: December 28, 2015 03:58:00P

Book-Vol/Pg:

Cashier / Station: 0 ALS / NCCL-HBRKDP1



Maureen O'Connell

County Clerk Maureen O'Connell

NOTICE OF CERTIFICATE OF COMPLETION
Inactive Hazardous Waste Disposal Site Program
Pursuant to 6 NYCRR Part 375-1.9(d)

Bartlett Tree Company, Site ID No. 1-30-074
345 Union Ave., Village of Westbury, NY, 11590
Town of North Hempstead, Nassau County, Section 10, Block 228, Lots 206 & 786

PLEASE TAKE NOTICE, the New York State Department of Environmental Conservation (Department) has issued a Certificate of Completion (Certificate) pursuant to 6 NYCRR Part 375 to FA Bartlett Tree Expert Company for a parcel approximately 0.414 acres located at the 345 Union Avenue in the Village of Westbury, Nassau County.

PLEASE TAKE NOTICE, the Certificate was issued upon satisfaction of the Commissioner, following review by the Department of the construction completion report and data submitted pursuant to the Order on Consent, as well as any other relevant information regarding the Site, that the remediation requirements set forth in ECL Article 27, Title 13 have been or will be achieved in accordance with the time frames, if any, established in the remedial work plan.

PLEASE TAKE NOTICE, the remedial program for the Site has achieved a cleanup level that would be consistent with the following categories of uses (actual site use is subject to local zoning requirements):

Commercial Use, as set forth in 6 NYCRR 375-1.8(g)(2)iii.
Industrial Use, as set forth in 6 NYCRR 375-1.8(g)(2)iv.

Further, the use of groundwater is restricted and may not be used, unless treated in accordance with the requirements provided by the New York State Department of Health, or a local County Health Department with jurisdiction in such matters and such is approved by the Department as not inconsistent with the remedy.

PLEASE TAKE NOTICE, since the remedial program relies upon use restrictions or the long term employment of institutional or engineering controls; such institutional or engineering controls are contained in an Environmental Easement granted pursuant to ECL Article 71, Title 36 which has been duly recorded in the Recording Office for Nassau County as Liber Book D, Pages 39-48.

PLEASE TAKE NOTICE, the Environmental Easement requires that the approved site management plan (SMP) for this property be adhered to. The SMP, which may be amended from time to time, may include sampling, monitoring, and/or operating a treatment system on the property, providing certified reports to the NYSDEC, and generally provides for the management of any and all plans and limitations on the property. A copy of the SMP is available upon request by writing to the Department's Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, New York 12233.

PLEASE TAKE NOTICE, provided that the Environmental Easement, SMP and Certificate are complied with, the Certificate holder shall be entitled to the liability limitation provided in 6 NYCRR Part 375-2.9. The liability limitation shall run with the land, extending to the Certificate holders successors or assigns through acquisition of title to the Site and to a person who develops or otherwise occupies the Site, subject to certain limitations as set forth in 6 NYCRR Part 375-2.9. The liability limitation shall be subject to all rights reserved to the State by 6 NYCRR Part 375-2.9 and any other applicable provision of law.

PLEASE TAKE NOTICE, any change of use of the site, as defined in 6 NYCRR 375, must be preceded by notice to the Department in accordance with 6 NYCRR 375-1.11(d). A transfer of any or all of the property constitutes a change of use.

PLEASE TAKE NOTICE, the Certificate may be only be transferred to the Certificate holders successors or assigns upon transfer or sale of the Site as provided by 6 NYCRR Part 375-1.9. Failure to comply with the regulatory requirements for transfer **WILL** bar the successors and assigns from the benefits of the Certificate.

PLEASE TAKE NOTICE, the Certificate may be modified or revoked by the Commissioner as set forth in the applicable regulations.

PLEASE TAKE NOTICE, the Certificate may be revoked if the Environmental Easement as implemented, if applicable, is not protective or enforceable.

PLEASE TAKE NOTICE, a copy of the Certificate can be reviewed at the DEC's Region One office located at SUNY at Stony Brook, 50 Circle Road, Stony Brook, NY 11790 by contacting the Regional Environmental Remediation Engineer.

WHEREFORE, the undersigned has signed this Notice of Certificate

FA Bartlett Tree Expert Company

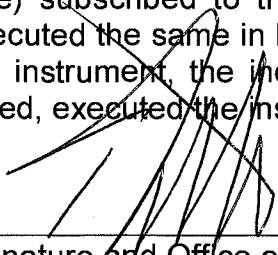
By: David G. Moron, Esq.

Title: Vice President

Date: Dec 14, 2015

STATE OF NEW YORK) SS:
COUNTY OF ALBANY)

On the 14th day of December, in the year 2015, before me, the undersigned, personally appeared David G. Moron, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.



Signature and Office of individual
taking acknowledgment

Please record and return to:

FA Bartlett Tree Expert Company
13768 Hamilton Road
Charlotte, NC 28278

THOMAS S. WEST
Notary Public, State of New York
No. 4953814
Qualified in Albany County
Commission Expires September 27, 2017

STATE OF NEW YORK
COUNTY OF NASSAU
COUNTY CLERK'S OFFICE }

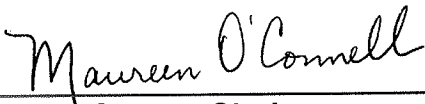
SS:

I, MAUREEN O'CONNELL, County Clerk of the County of Nassau and the Supreme and County Courts, Courts of Record thereof,
DO HEREBY CERTIFY, that I have compared the annexed with the original

MISCELLANEOUS FILING

FILED AND RECORDED in my office 12/28/15 and the same is a true transcript thereof and of the whole of such original.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of said County at Mineola, N.Y. this 28 day of DECEMBER 2015.



County Clerk

Appendix B: Field Data Sheets – Groundwater Sampling



NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Bartlett tree Project Number: _____
 Client: BC Date: 10/17/24
 Personnel: DMH, MHM Well ID: MW-3
 Purge/Sample Depth: 34~ Sample ID: MW-3-uf/f-20241017

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
0826	4.88	12.98	0.460	6.63	4.1	254	31.73	300 ↓	0.90 NTU
0829	5.75	14.11	0.411	6.15	10.4	255	31.73		
0832	5.77	14.82	0.403	5.94	9.7	259	31.72		
0835	5.78	15.44	0.399	5.87	8.6	262	31.72		0.73 NTU
0838	5.80	15.46	0.398	5.92	6.3	261	31.72		
0841	5.96	15.49	0.396	5.86	2.7	254	31.72		
0844	5.92	15.51	0.391	5.87	2.0	258	31.71		
0847	5.95	15.52	0.390	5.82	1.7	258	31.71		
0850	5.96	15.53	0.390	5.78	1.1	257	31.70		
0853	6.00	15.52	0.388	5.78	0.9	258	31.69		
0856	5.98	15.54	0.387	5.75	0.5	256	31.68		
0859	collect sample MW-B-WF								
0904	collect MW-B-F								
	IMS / MSD								
10/17/24									
J. Tucker									

* - Turbidity After Sample Collection

* - Turbidity After Sample Collection

Certified Sample Information:

Time of Sample: 0859

Analyst Signature:

Instrument Data:

Manufacturer/Model: *Horiba U-52*

Serial No. Unit: UEA23.144

Calibration Date/Time: 10/17/24 08:15

Serial No. Handheld: VW33LXP7

Are low-flow parameters subject to field lab certification? ☐ Yes ☐ No (not required for CERCLA sites or sites outside of NJ)

If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**Well Number: MW-3Sample I.D.: MW-3-UF1F-20241017Project: Bartlett tree
Personnel: DMH, MHMDate: 10/17/24 Time: 0826
Weather: Sunny Air Temp.: 44**WELL DATA:**

Casing Diameter: 8 ☒ Stainless Steel ☐ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2 ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: _____ ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☒ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☒ Yes ☐ No ☐ NA Is Inner Casing Intact? ☒ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☒ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☐ Polyethylene ☐ Polypropylene ☒ Other: HDPE

Pumping Rate: 300 mL/min Elapsed Time: 30 min Volume Pumped: 3.0 gal
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☐ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☒ Yes ☐ No Method: _____

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☐ No ☒ Yes Name: MW-3-UF1F-20241017 (MS/MSD)

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: [Signature] Date: 10/17/24

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

Project Name: Bartlett tree
 Client: BC
 Personnel: DH, MTH
 Purge/Sample Depth: 34m

Project Number: _____
 Date: 10/17/24
 Well ID: MW-5
 Sample ID: MW-5-WF1F-C22M1017

* - Turbidity After Sample Collection

Time of Sample: 0950

Analyst Signature:

Manufacturer/Model: Horiba U-52

Serial No. Unit: UEA73JY4

Calibration Date/Time: 10/17/24 0815

Serial No. Handheld: VW 336xP2

Are low-flow parameters subject to field lab certification? ☐ Yes ☐ No (not required for CERCLA sites or sites outside of NJ)
If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-5
Sample I.D.: MW-5-JFIF-WZU1017

Project: Bartlett Tree
Personnel: D.M.H.M.H.

Date: 10/17/14 Time: 0917
Weather: Sunny Air Temp.: 44

WELL DATA:

Casing Diameter: 8 ☒ Stainless Steel ☐ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2 ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: _____ ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☒ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☒ Yes ☐ No ☐ NA Is Inner Casing Intact? ☒ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____
MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☐ Polyethylene ☐ Polypropylene ☒ Other: HOPE
Pumping Rate: 30 Elapsed Time: 300 Volume Pumped: 3.0
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____
MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel
Tubing/Rope: ☐ Teflon® ☐ Polyethylene
SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☒ Yes ☐ No Method: _____
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: [Signature]

Date: 10/17/14

Brown AND Caldwell2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607**NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET**

Project Name: <u>Barnett Hce</u>	Project Number: _____
Client: <u>BC</u>	Date: <u>10/17/24</u>
Personnel: <u>D.M.H., M.H.</u>	Well ID: <u>MW-4</u>
Purge/Sample Depth: <u>30~</u>	Sample ID: <u>MW-4-UPF-20241017</u>

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1000	6.18	15.91	0.738	6.10	52.1	150	31.79	300	6.13 NTU MC
1003	6.17	15.81	0.733	4.89	50.4	154	31.80		
1006	6.16	15.73	0.734	4.78	41.3	166	31.80		
1009	6.18	15.73	0.733	4.66	35.0	169	31.81		7.62 NTU AOT*
1012	6.21	15.74	0.720	4.65	22.0	172	31.82		
1015	6.23	15.72	0.725	4.67	16.1	175	31.83		
1018	6.23	15.74	0.723	4.57	14.6	178	31.83		
1021	6.20	15.76	0.724	4.60	13.0	181	31.83		
1024	6.19	15.71	0.719	4.75	11.2	184	31.83		
1027	6.21	15.72	0.719	4.73	9.7	184	31.83		
1030	6.22	15.71	0.719	4.69	8.1	185	31.83		
1033	collect	MW-4-uf							
1038	collect	MW-4-f							
10/17/24									

* - Turbidity After Sample Collection

Certified Sample Information:Time of Sample: 1033-uf 1038-fAnalyst Signature: **Instrument Data:**Manufacturer/Model: Horiba U52Serial No. Unit: UA73JYHCalibration Date/Time: 10/14/24 0815Serial No. Handheld: VW33LXP7

Are low-flow parameters subject to field lab certification? ☐ Yes ☐ No (not required for CERCLA sites or sites outside of NJ)
If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-4
Sample I.D.: MW-4-IF/UF-2024017

Project: Burrie Fr tree
Personnel: D.H.H., M.H.M.

Date: 10/17/24 Time: 1000
Weather: Sunny Air Temp.: 45

WELL DATA:

Casing Diameter: 8 ☒ Stainless Steel ☐ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2 ☐ Stainless Steel ☐ Galv. Steel ☐ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: _____ ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____
CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☒ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☒ Yes ☐ No ☐ NA Is Inner Casing Intact? ☒ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____
MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☐ Polyethylene ☐ Polypropylene ☒ Other: HDPE
Pumping Rate: 300ml/min Elapsed Time: 30 min Volume Pumped: 3.0 gal
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____
PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____
MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☐ Polyethylene
SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☒ Yes ☒ No Method: _____
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☒ No ☐ Yes Name: _____
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: [Signature] Date: 10/17/24

2 Park Way, Upper Saddle River, NJ 07458
Phone: (201) 574-4700 Fax: (201) 236-1607

NJ FIELD LAB ID# 02023
LOW-FLOW GROUNDWATER FIELD DATA SHEET

Project Name: Bartlett tree
 Client: BC
 Personnel: DHH, MHH
 Purge/Sample Depth: 34~

Project Number: _____
 Date: 10/17/04
 Well ID: MW-2D
 Sample ID: MW-2D-VF1F-2024/10/17

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1100	6.35	16.25	0.946	11.10	156	21	32.80	300	20.9 mg/L
1103	6.58	16.20	0.961	2.21	166	-15	32.82		
1106	6.90	16.05	1.04	0.67	187	-53	32.84		
1109	6.99	15.99	1.10	0.43	125	-60	32.86		
1112	6.96	15.92	1.12	0.44	103	-55	32.87		
1115	6.96	15.90	1.12	0.47	87.8	-55	32.89		
1118	6.95	15.88	1.12	0.39	79.8	-55	32.92		
1121	6.96	15.89	1.13	0.40	78.9	-55	32.93		
1124	6.95	15.91	1.15	1.02	74.6	-25	32.95		
1127	6.95	15.91	1.15	0.47	69.3	-32	32.96		
1130	6.89	16.04	1.16	0.53	60.7	-30	32.96	↓	21.3 Post*
1133	6.86	16.07	1.17	0.57	48.4	-19	32.97		
1136	6.83	16.14	1.17	0.69	46.1	-8	32.98		
1139	6.80	16.15	1.17	0.76	43.8	-3	32.99		
1142	6.75	16.53	1.18	0.38	31.9	11	33.00		
1145	6.75	16.53	1.18	0.39	34.2	12	33.01		
1148	6.73	16.55	1.18	0.51	29.4	16	33.02		
1151	6.71	16.73	1.18	1.07	27.6	22	33.02		
1154	6.71	16.77	1.18	1.08	28.1	23	33.03		
1157	Collect - MW-20-UF								
1202	Collect MW-20-F								
PLUS DUP									
10/17/24									
J. Alvarez									

Certified Sample Information:

* - Turbidity After Sample Collection

* - Turbidity After Sample Collection

Certified Sample Information:

Time of Sample: 1157-UF 1202-f

Instrument Data:

Manufacturer/Model: Honbu v-52

Serial No. Unit: UEA730V4

Calibration Date/Time: 10/17/24

Analyst Signature:

Serial No. Handheld: VW33LX77

Are low-flow parameters subject to field lab certification? ☐ Yes ☐ No (not required for CERCLA sites or sites outside of NJ)
If yes, low-flow data must be accompanied by a completed "Field Calibration Record, Horiba U-52" form or equivalent.

**Brown AND
Caldwell**

Upper Saddle River, NJ Office

**LOW-FLOW GROUNDWATER
SAMPLING FIELD DATA**

Well Number: MW-20

Sample I.D.: MW-20-UFIF-00241017

Project: Burnett tree

Personnel: M.H.M.H.

Date: 10/17/14 Time: 1100

Weather: Sunny Air Temp.: 48

WELL DATA:

Casing Diameter: 8 ☒ Stainless Steel ☐ Steel ☐ PVC ☐ Teflon® ☐ Other: _____

Intake Diameter: 2 ☐ Stainless Steel ☐ Galv. Steel ☒ PVC ☐ Teflon® ☐ Open rock

DEPTH TO : Static Water Level: _____ ft Bottom of Well: _____ ft

DATUM: ☐ Top of Protective Casing ☒ Top of Well Casing ☐ Other: _____

CONDITION: Is Well clearly labeled? ☒ Yes ☐ No Is well clean to bottom? ☒ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☒ Yes ☐ No
Does Weep Hole adequately drain well head? ☒ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☒ Yes ☐ No
Is Padlock Functional? ☒ Yes ☐ No ☐ NA Is Inner Casing Intact? ☒ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☒ Yes ☐ No

VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☐ Polyethylene ☐ Polypropylene ☒ Other: 406

Pumping Rate: 300 Elapsed Time: 57 Volume Pumped: 5.8
Was well Evacuated? ☐ Yes ☒ No Number of Well Volumes Removed: _____

PURGING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned

SAMPLING DATA:

METHOD: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump
☐ Syringe Sampler ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

MATERIALS: Pump/Bailer: ☐ Teflon® ☒ Stainless Steel ☐ PVC ☐ Other: _____
Tubing/Rope: ☐ Teflon® ☐ Polyethylene

SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☒ Yes ☐ No Method: _____

APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid

FIELD DETERMINATIONS: See attached form for field parameter data.

DUP: ☐ No ☒ Yes Name: DUP-UFIF-00241017
MS/MSD: ☒ No ☐ Yes Name: _____

I certify that this sample was collected and handled in accordance with applicable regulatory and project protocols.

Signature: [Signature]

Date: 10/17/14

Appendix C: Data Usability Summary Reports (DUSRs)



DATA USABILITY SUMMARY REPORT

Bartlett Tree Experts

Client: Bartlett Tree Experts
SDGs: 410-193116-1
Laboratory: Eurofins Lancaster Laboratories Environment Testing, Inc.
Site: New York
Date: November 14, 2024

Client Sample ID	Laboratory Sample ID	Date Collected	Matrix
MW-3-UF-20241017	410-193116-1	10/17/2024	Water
MW-3-F-20241017	410-193116-2	10/17/2024	Water
MW-5-UF-20241017	410-193116-3	10/17/2024	Water
MW-5-F-20241017	410-193116-4	10/17/2024	Water
MW-4-UF-20241017	410-193116-5	10/17/2024	Water
MW-4-F-20241017	410-193116-6	10/17/2024	Water
MW-2D-UF-20241017	410-193116-7	10/17/2024	Water
MW-2D-F-20241017	410-193116-8	10/17/2024	Water
DUP-UF-20241017	410-193116-9	10/17/2024	Water
DUP-F-20241017	410-193116-10	10/17/2024	Water
EB-UF-20241017	410-193116-11	10/17/2024	Water
EB-F-20241017	410-193116-12	10/17/2024	Water

Data validation was performed on the analytical data for twelve (12) samples collected October 17, 2024, at the site in New York. The samples were analyzed under the Environmental Protection Agency (USEPA) "Test Methods for Evaluating Solid Waste Physical/Chemical SW-846 Method" described below.

Specific method references are as follows:

Analysis

Pesticides

Method References

USEPA SW-846 8081B

Data were reviewed in accordance with the USEPA National Functional Guidelines (NFGs) listed below and appropriate method specific USEPA Region II Data Validation Standard Operating Procedures (SOPs). The USEPA NFGs were developed for the Contract Laboratory Program (CLP) methods and may not be applicable to the analytical methods and procedures utilized by the laboratory for this data set. Results were also qualified using analytical method criteria and the reviewer's professional judgement where specific guidance was not applicable.

- USEPA. National Functional Guidelines for Superfund Organics Methods Data Review. OLEM 9240.0-51, EPA 540-R-20-005, November 2020
- USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review. OSWER 9240.1-05A-A-P EPA540/R-99/008. October 1999
- USEPA Contract Laboratory Program Region II Data Validation SOPs (HW-44)

The following items/criteria were reviewed for this report:

- Data Completeness
- Chain of Custody
- Holding times and sample preservation
- Field Duplicate Accuracy
- Internal Standard Area and RT
- Surrogates
- Laboratory Control Sample (LCS) recoveries
- Matrix Spike and Matrix Spike Duplicate Samples
- Method and field blank contamination
- Initial and continuing calibration summaries
- Compound Quantitation
- Reporting Limits
- Sample comments and Quality Control Summaries

Overall Usability Issues:

- Overall, the data is acceptable for the intended purposes. Minor analytical issues were found with the following data quality indicators resulting in qualified results: column percent differences.

Chain of Custody (COC):

- The laboratory indicated the container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-4-UF-20241017 (410-193116-5). The container labels listed 09:33, while the COC listed 10:33. The sample was logged in using the time on the COC. Similarly, the label for MW-4-F-20241017 (410-193116-6) listed 09:38, while the COC listed 10:38. The sample was logged in using the time on the COC.

Pesticides

Holding Times and Preservation

Samples must be extracted and/or analyzed within method-specific holding times and meet the preservation requirements listed in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8081B (Pesticides)	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C
	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

- All samples were received properly preserved and holding times were achieved for all analyses.

Blanks

Quality assurance (QA) blanks (i.e., method, trip, field, or rinse blanks) are prepared to identify and measure contamination which may have been introduced into samples during sample preparation or field sampling procedures.

- All QA/QC blanks were free of contamination.

Surrogates

Surrogate compounds are spiked prior to sample preparation and are used to monitor the overall performance of the analytical method. GC analyses requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

- Surrogates exhibited acceptable recoveries.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Samples

The LCS (and LCSD) and is used to assess the accuracy and precision of the analytical method independent of sample matrix. Percent recoveries and relative percent differences (RPDs) must be within laboratory-established acceptance limits.

- LCS and/or LCSD analysis exhibited acceptable recoveries and RPDs.

Matrix Spike and Matrix Spike Duplicate (MS/MSD) Samples

Matrix spike/matrix spike duplicate analysis is utilized to assess the accuracy and precision of the method by measuring the effects of interferences caused by the sample matrix. The MS/MSD percent recoveries and relative percent differences (RPDs) must be within laboratory-established acceptance limits.

- The MS and/or MSD analysis performed on sample MW-3-UF-20241017 and MW-3-F-20241017 exhibited acceptable recoveries and RPDs.

Field Duplicate Accuracy

The field duplicate analysis is employed to measure precision in both the field and laboratory. The relative percent difference (RPD) is measured between parent and duplicate sample results. When both results are greater than or equal to five times the reporting limit (RL), a control limit of 30% relative percent difference (RPD) is applied for water samples and 50% RPD for soil samples. When

parent and/or duplicate sample results are less than five times the RL, the absolute difference between the two results is compared to two times the RL for water samples and four times the RL for soil samples.

- Field duplicate RPDs were acceptable for pairs MW-2D-UF-20241017/DUP-UF-20241017 and MW-2D-F-20241017/DUP-F-20241017. Details are at the end of the report.

Initial Calibration

The initial calibration curve is developed by plotting instrument response of analytes versus the known concentrations of analyte standards, and linearity ensures the instrument can produce quantitative data. The method specifies percent relative standard deviation (%RSD) limits for select compounds. A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99.

- All recoveries and/or correlation coefficient criteria were met.

Continuing Calibration

The continuing calibration is used to assess calibration drift. A maximum percent difference (%D) of 20% is allowed.

- ICVs and CCVs were within the specified control limits.

Reporting Limits and Compound Quantitation

GC methods utilize retention time and dual column analysis to identify detected results. When dual column analysis is performed the percent difference (%D) of detected sample results must be less than 25%.

- Samples associated with %D analysis exhibiting recoveries outside of the control limits are presented in the following table.

Method	Sample	Analyte	%D	Qualification	Reason Code
8081B	MW-5-UF-20241017	Dieldrin	> 25%	J (Detects)	P
	MW-4-F-20241017	gamma-BHC (Lindane)			
	MW-2D-UF-20241017	alpha-Chlordane			
		Dieldrin			
		p,p'-DDT			
	DUP-UF-20241017	Dieldrin			
		p,p'-DDT			

- All sample detections detected above the MDL and below the RL are appropriately qualified as estimated, J, by the laboratory, reason code T.

System Performance and Overall Assessment

Instrument performance indicators were evaluated, and overall analytical integrity was assessed.

- Overall system performance was acceptable.

Please contact the undersigned if you have any questions or need further information.

Signed: 

Dated: November 14, 2024

Peer Review: CJS

Jeffrey L. Davin
Senior Validator
Brown and Caldwell

Data Qualifiers

- J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.
- U = The analyte was analyzed for but was not detected above the method detection limit.
- R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

Reason Codes

- 1 Holding time violation
- 2 Method blank contamination
- 3 Surrogate recovery
- 4 MS/MSD recovery
- 5 MS/MSD precision outside limits
- 6 LCS recovery
- 7 Field blank contamination
- 8 Field duplicate precision outside limits
- 9 Other deficiencies (including cooler temperature)
- A Absence of supporting QC
- S ICV, CCV or column performance check problem
- Y Initial and continuing calibration blank problem
- M Interference check samples problem
- O Post digestion spike outside of 85-115%
- F MSA correlation coefficient <0.995, or MSA not done
- G Serial dilution problem
- K DFTPP or BFB tuning problem
- Q Initial calibration problem
- X Internal standard recovery problem
- V Second source standard calibration verification problem
- L Low bias
- Z Retention time problem
- N Counting time error (radionuclide chemistry)
- W Detector instability (radionuclide chemistry)
- C Co-elution of compounds
- E Value exceeds linear calibration range
- I Interferences present during analysis
- T Trace level compound, poor quantitation
- P 1C/2C precision outside limits
- B LCS/LCSD precision outside limits
- D Lab Dup/Rep precision outside limits
- H High bias



LABORATORY DATA VERIFICATION AND VALIDATION

Sample Duplicate Comparison

PROJECT INFORMATION

Report Number: 410-193116-1
Project Number: 197110
Project Manager: Brian Taylor

Project Name/Client: Bartlett Tree Experts
Laboratory: Eurofins Lancaster
Task/Purpose of Sampling: GW sampling

SAMPLE INFORMATION

Parent Sample ID: MW-2D-F-20241017 Date/Time: 10/17/24 12:02 Matrix: WG
Duplicate Sample ID: DUP-F-20241017 Date/Time: 10/17/24 0:01 Matrix: WG

Analytes	Unit	Fraction	Analytical Results ^a		Relative Percent Difference (RPD) Comparison		Difference between results	Reporting Limit (RL) Comparison (If Needed)						Actions Required	
			MW-2D-F-20241017	DUP-F-20241017	RPD Limit: 30% ^b	Are both results ≥5X RL ^c		MW-2D-F-20241017			DUP-F-20241017				Control Limit: Is the difference in sample conc. ≥ 2X either RL?
								RL	2x RL	5x RL	RL	2x RL	5x RL		
4,4'-DDD	UG/L	T	0.011	0.0088		No	0.00	0.03	0.06	0.15	0.03	0.06	0.15	No	No further action required

SAMPLE INFORMATION

Parent Sample ID: MW-2D-UF-20241017 Date/Time: 10/17/24 11:57 Matrix: WG
Duplicate Sample ID: DUP-20231212-UF Date/Time: 10/17/24 0:00 Matrix: WG

Analytes	Unit	Fraction	Analytical Results ^a		Relative Percent Difference (RPD) Comparison		Difference between results	Reporting Limit (RL) Comparison (If Needed)							Actions Required
			MW-2D-UF-20241017	DUP-20231212-UF	RPD Limit: 30% ^b	Are both results ≥5X RL ^c		MW-2D-UF-20241017			DUP-20231212-UF			Control Limit: Is the difference in sample conc. ≥ 2X either RL?	
								RL	2x RL	5x RL	RL	2x RL	5x RL		
4,4'-DDD	UG/L	T	0.37	0.38	3%	Yes	0.010	0.031	0.06	0.16	0.03	0.06	0.15		No further action required
4,4'-DDE	UG/L	T	0.14	0.14		No	0.00	0.031	0.06	0.16	0.03	0.06	0.15	No	No further action required
4,4'-DDT	UG/L	T	0.025	0.073		No	0.048	0.031	0.06	0.16	0.03	0.06	0.15	No	No further action required
Chlordane, Alpha	UG/L	T	0.0043	0.02		No	0.016	0.021	0.04	0.11	0.02	0.04	0.10	No	No further action required
Dieldrin	UG/L	T	0.022	0.022		No	0.00	0.031	0.06	0.16	0.03	0.06	0.15	No	No further action required

^aResults in red text and italics were below reporting limits. Values are reporting limits for comparison purposes only.

^b**Relative Percent Difference (RPD)** is a quantitative indicator of quality assurance and quality control (QA/QC) for repeated measurements (i.e. duplicates) where the outcome is expected to be the same. It is calculated using the following equation:

$$RPD = \left| \frac{x_1 - x_2}{(x_1 + x_2) / 2} \right| \times 100$$

^cWhen both results are greater than 5X the Reporting Limit (RL) the RPD is calculated. If either result is below 5X the RL, the absolute difference between the two results is compared to 2X the RL.

DATA USABILITY SUMMARY REPORT

Bartlett Tree Experts

Client: Bartlett Tree Experts
SDGs: 410-193116-1
Laboratory: Eurofins Lancaster Laboratories Environment Testing, Inc.
Site: New York
Date: November 14, 2024

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MW-5-F-20241017	410-193116-4	10/17/2024	Water
MW-4-UF-20241017	410-193116-5	10/17/2024	Water
MW-4-F-20241017	410-193116-6	10/17/2024	Water
MW-2D-UF-20241017	410-193116-7	10/17/2024	Water
MW-2D-F-20241017	410-193116-8	10/17/2024	Water
DUP-UF-20241017	410-193116-9	10/17/2024	Water
DUP-F-20241017	410-193116-10	10/17/2024	Water
EB-UF-20241017	410-193116-11	10/17/2024	Water
EB-F-20241017	410-193116-12	10/17/2024	Water

Data validation was performed on the analytical data for twelve (12) samples collected October 17, 2024, at the site in New York. The samples were analyzed under the Environmental Protection Agency (USEPA) "Test Methods for Evaluating Solid Waste Physical/Chemical SW-846 Method" described below.

Specific method references are as follows:

Analysis
Pesticides

Method References
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- Initial and continuing calibration summaries
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Pesticides

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Quality assurance (QA) blanks (i.e., method, trip, field, or rinse blanks) are prepared to identify and measure contamination which may have been introduced into samples during sample preparation or field sampling procedures.

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Surrogate compounds are spiked prior to sample preparation and are used to monitor the overall performance of the analytical method. GC analyses requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

- Surrogates exhibited acceptable recoveries.

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The LCS (and LCSD) and is used to assess the accuracy and precision of the analytical method independent of sample matrix. Percent recoveries and relative percent differences (RPDs) must be within laboratory-established acceptance limits.

- LCS and/or LCSD analysis exhibited acceptable recoveries and RPDs.

Matrix Spike and Matrix Spike Duplicate (MS/MSD) Samples

Matrix spike/matrix spike duplicate analysis is utilized to assess the accuracy and precision of the method by measuring the effects of interferences caused by the sample matrix. The MS/MSD percent recoveries and relative percent differences (RPDs) must be within laboratory-established acceptance limits.

- The MS and/or MSD analysis performed on sample MW-3-UF-20241017 and MW-3-F-20241017 exhibited acceptable recoveries and RPDs.

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	MW-2D-UF-20241017	alpha-Chlordane			
		Dieldrin			
		p,p'-DDT			
	DUP-UF-20241017	Dieldrin			
		p,p'-DDT			

- All sample detections detected above the MDL and below the RL are appropriately qualified as estimated, J, by the laboratory, reason code T.

System Performance and Overall Assessment

Instrument performance indicators were evaluated, and overall analytical integrity was assessed.

- Overall system performance was acceptable.

Please contact the undersigned if you have any questions or need further information.

Signed: 

Dated: November 14, 2024

Peer Review: CJS

Jeffrey L. Davin
Senior Validator
Brown and Caldwell

Data Qualifiers

- J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.
- U = The analyte was analyzed for but was not detected above the method detection limit.
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Reason Codes

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- 2 Method blank contamination
- 3 Surrogate recovery
- 4 MS/MSD recovery
- 5 MS/MSD precision outside limits
- 6 LCS recovery
- 7 Field blank contamination
- 8 Field duplicate precision outside limits
- 9 Other deficiencies (including cooler temperature)
- A Absence of supporting QC
- S ICV, CCV or column performance check problem
- Y Initial and continuing calibration blank problem
- M Interference check samples problem
- O Post digestion spike outside of 85-115%
- F MSA correlation coefficient <0.995, or MSA not done
- G Serial dilution problem
- K DFTPP or BFB tuning problem
- Q Initial calibration problem
- X Internal standard recovery problem
- V Second source standard calibration verification problem
- L Low bias
- Z Retention time problem
- N Counting time error (radionuclide chemistry)
- W Detector instability (radionuclide chemistry)
- C Co-elution of compounds
- E Value exceeds linear calibration range
- I Interferences present during analysis
- T Trace level compound, poor quantitation
- P 1C/2C precision outside limits
- B LCS/LCSD precision outside limits
- D Lab Dup/Rep precision outside limits
- H High bias



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Brian F Taylor
Brown and Caldwell
3 Marcus Blvd
Suite 106
Albany, New York 12205

Generated 10/25/2024 9:04:21 AM

JOB DESCRIPTION

Bartlett Tree Site, NY

JOB NUMBER

410-193116-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
10/25/2024 9:04:21 AM

Authorized for release by
Barbara Weyandt, Project Manager
Barbara.Weyandt@et.eurofinsus.com
(717)556-7264

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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Barb Weyandt

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Definitions/Glossary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

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

Case Narrative

Client: Brown and Caldwell
Project: Bartlett Tree Site, NY

Job ID: 410-193116-1

Job ID: 410-193116-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-193116-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/18/2024 7:09 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.1°C and 0.6°C.

Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-4-UF-20241017 (410-193116-5). The container labels list 09:33, while the COC lists 10:33. Entered per COC.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-4-F-20241017 (410-193116-6). The container labels list 09:38, while the COC lists 10:38. Entered per COC.

Pesticides

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

Detection Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-3-UF-20241017

Lab Sample ID: 410-193116-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane (1C)	0.013	J	0.020	0.0030	ug/L	1		8081B	Total/NA
Heptachlor epoxide (1C)	0.0063	J	0.020	0.0023	ug/L	1		8081B	Total/NA

Client Sample ID: MW-3-F-20241017

Lab Sample ID: 410-193116-2

No Detections.

Client Sample ID: MW-5-UF-20241017

Lab Sample ID: 410-193116-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (2C)	0.013	J	0.031	0.0055	ug/L	1		8081B	Total/NA
p,p'-DDT (2C)	0.0062	J	0.031	0.0054	ug/L	1		8081B	Total/NA

Client Sample ID: MW-5-F-20241017

Lab Sample ID: 410-193116-4

No Detections.

Client Sample ID: MW-4-UF-20241017

Lab Sample ID: 410-193116-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (2C)	1.5		0.30	0.053	ug/L	10		8081B	Total/NA

Client Sample ID: MW-4-F-20241017

Lab Sample ID: 410-193116-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (1C)	0.035		0.031	0.0054	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane) (2C)	0.0023	J p	0.020	0.0020	ug/L	1		8081B	Total/NA

Client Sample ID: MW-2D-UF-20241017

Lab Sample ID: 410-193116-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane (2C)	0.0043	J p	0.021	0.0031	ug/L	1		8081B	Total/NA
Dieldrin (1C)	0.022	J p	0.031	0.0055	ug/L	1		8081B	Total/NA
p,p'-DDD (2C)	0.37		0.031	0.0052	ug/L	1		8081B	Total/NA
p,p'-DDE (1C)	0.14		0.031	0.0052	ug/L	1		8081B	Total/NA
p,p'-DDT (1C)	0.025	J p	0.031	0.0054	ug/L	1		8081B	Total/NA

Client Sample ID: MW-2D-F-20241017

Lab Sample ID: 410-193116-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p,p'-DDD (1C)	0.011	J	0.030	0.0050	ug/L	1		8081B	Total/NA

Client Sample ID: DUP-UF-20241017

Lab Sample ID: 410-193116-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (1C)	0.022	J p	0.030	0.0054	ug/L	1		8081B	Total/NA
p,p'-DDD (2C)	0.38		0.030	0.0051	ug/L	1		8081B	Total/NA
p,p'-DDE (1C)	0.14		0.030	0.0051	ug/L	1		8081B	Total/NA
p,p'-DDT (1C)	0.073	p	0.030	0.0053	ug/L	1		8081B	Total/NA

Client Sample ID: DUP-F-20241017

Lab Sample ID: 410-193116-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p,p'-DDD (1C)	0.0088	J	0.030	0.0050	ug/L	1		8081B	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-3-UF-20241017

Lab Sample ID: 410-193116-1

Date Collected: 10/17/24 08:59

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 04:39	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 04:39	1
alpha-Chlordane (1C)	0.013	J	0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 04:39	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 04:39	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 04:39	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 04:39	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 04:39	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 04:39	1
Endosulfan sulfate (1C)	ND		0.030	0.0059	ug/L		10/23/24 07:54	10/24/24 04:39	1
Endrin (1C)	ND		0.030	0.0082	ug/L		10/23/24 07:54	10/24/24 04:39	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 04:39	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 04:39	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 04:39	1
gamma-Chlordane (1C)	ND		0.040	0.0071	ug/L		10/23/24 07:54	10/24/24 04:39	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 04:39	1
Heptachlor epoxide (1C)	0.0063	J	0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 04:39	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 04:39	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 04:39	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 04:39	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 04:39	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		10/23/24 07:54	10/24/24 04:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	65		20 - 149	10/23/24 07:54	10/24/24 04:39	1
DCB Decachlorobiphenyl (Surr) (2C)	65		20 - 149	10/23/24 07:54	10/24/24 04:39	1
Tetrachloro-m-xylene (Surr) (1C)	67		20 - 129	10/23/24 07:54	10/24/24 04:39	1
Tetrachloro-m-xylene (Surr) (2C)	68		20 - 129	10/23/24 07:54	10/24/24 04:39	1

Client Sample ID: MW-3-F-20241017

Lab Sample ID: 410-193116-2

Date Collected: 10/17/24 09:04

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 05:11	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 05:11	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 05:11	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 05:11	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 05:11	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 05:11	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 05:11	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 05:11	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		10/23/24 07:54	10/24/24 05:11	1
Endrin (1C)	ND		0.030	0.0081	ug/L		10/23/24 07:54	10/24/24 05:11	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 05:11	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 05:11	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 05:11	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		10/23/24 07:54	10/24/24 05:11	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 05:11	1
Heptachlor epoxide (2C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 05:11	1

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Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-3-F-20241017

Lab Sample ID: 410-193116-2

Date Collected: 10/17/24 09:04

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 05:11	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 05:11	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 05:11	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 05:11	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		10/23/24 07:54	10/24/24 05:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	34		20 - 149				10/23/24 07:54	10/24/24 05:11	1
DCB Decachlorobiphenyl (Surr) (2C)	31		20 - 149				10/23/24 07:54	10/24/24 05:11	1
Tetrachloro-m-xylene (Surr) (1C)	74		20 - 129				10/23/24 07:54	10/24/24 05:11	1
Tetrachloro-m-xylene (Surr) (2C)	73		20 - 129				10/23/24 07:54	10/24/24 05:11	1

Client Sample ID: MW-5-UF-20241017

Lab Sample ID: 410-193116-3

Date Collected: 10/17/24 09:50

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 06:14	1
alpha-BHC (2C)	ND		0.021	0.0031	ug/L		10/23/24 07:54	10/24/24 06:14	1
alpha-Chlordane (1C)	ND		0.021	0.0031	ug/L		10/23/24 07:54	10/24/24 06:14	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		10/23/24 07:54	10/24/24 06:14	1
delta-BHC (1C)	ND		0.021	0.0035	ug/L		10/23/24 07:54	10/24/24 06:14	1
Dieldrin (2C)	0.013	J J, RC:P	0.031	0.0055	ug/L		10/23/24 07:54	10/24/24 06:14	1
Endosulfan I (1C)	ND		0.021	0.0045	ug/L		10/23/24 07:54	10/24/24 06:14	1
Endosulfan II (1C)	ND		0.042	0.016	ug/L		10/23/24 07:54	10/24/24 06:14	1
Endosulfan sulfate (1C)	ND		0.031	0.0060	ug/L		10/23/24 07:54	10/24/24 06:14	1
Endrin (1C)	ND		0.031	0.0084	ug/L		10/23/24 07:54	10/24/24 06:14	1
Endrin aldehyde (1C)	ND		0.10	0.021	ug/L		10/23/24 07:54	10/24/24 06:14	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 06:14	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 06:14	1
gamma-Chlordane (1C)	ND		0.042	0.0073	ug/L		10/23/24 07:54	10/24/24 06:14	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 06:14	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		10/23/24 07:54	10/24/24 06:14	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		10/23/24 07:54	10/24/24 06:14	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		10/23/24 07:54	10/24/24 06:14	1
p,p'-DDD (2C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 06:14	1
p,p'-DDE (1C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 06:14	1
p,p'-DDT (2C)	0.0062	J	0.031	0.0054	ug/L		10/23/24 07:54	10/24/24 06:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	78		20 - 149				10/23/24 07:54	10/24/24 06:14	1
DCB Decachlorobiphenyl (Surr) (2C)	74		20 - 149				10/23/24 07:54	10/24/24 06:14	1
Tetrachloro-m-xylene (Surr) (1C)	100		20 - 129				10/23/24 07:54	10/24/24 06:14	1
Tetrachloro-m-xylene (Surr) (2C)	94		20 - 129				10/23/24 07:54	10/24/24 06:14	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-5-F-20241017

Lab Sample ID: 410-193116-4

Date Collected: 10/17/24 09:55

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 06:25	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 06:25	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 06:25	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 06:25	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 06:25	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 06:25	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 06:25	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 06:25	1
Endosulfan sulfate (1C)	ND		0.030	0.0059	ug/L		10/23/24 07:54	10/24/24 06:25	1
Endrin (1C)	ND		0.030	0.0082	ug/L		10/23/24 07:54	10/24/24 06:25	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 06:25	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 06:25	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 06:25	1
gamma-Chlordane (1C)	ND		0.040	0.0071	ug/L		10/23/24 07:54	10/24/24 06:25	1
Heptachlor (2C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 06:25	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 06:25	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 06:25	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 06:25	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 06:25	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 06:25	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		10/23/24 07:54	10/24/24 06:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	54		20 - 149				10/23/24 07:54	10/24/24 06:25	1
DCB Decachlorobiphenyl (Surr) (2C)	51		20 - 149				10/23/24 07:54	10/24/24 06:25	1
Tetrachloro-m-xylene (Surr) (1C)	82		20 - 129				10/23/24 07:54	10/24/24 06:25	1
Tetrachloro-m-xylene (Surr) (2C)	79		20 - 129				10/23/24 07:54	10/24/24 06:25	1

Client Sample ID: MW-4-UF-20241017

Lab Sample ID: 410-193116-5

Date Collected: 10/17/24 10:33

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.20	0.020	ug/L		10/23/24 07:54	10/24/24 06:35	10
alpha-BHC (2C)	ND		0.20	0.030	ug/L		10/23/24 07:54	10/24/24 06:35	10
alpha-Chlordane (1C)	ND		0.20	0.030	ug/L		10/23/24 07:54	10/24/24 06:35	10
beta-BHC (1C)	ND		0.30	0.11	ug/L		10/23/24 07:54	10/24/24 06:35	10
delta-BHC (1C)	ND		0.20	0.034	ug/L		10/23/24 07:54	10/24/24 06:35	10
Dieldrin (2C)	1.5		0.30	0.053	ug/L		10/23/24 07:54	10/24/24 06:35	10
Endosulfan I (1C)	ND		0.20	0.043	ug/L		10/23/24 07:54	10/24/24 06:35	10
Endosulfan II (1C)	ND		0.40	0.15	ug/L		10/23/24 07:54	10/24/24 06:35	10
Endosulfan sulfate (1C)	ND		0.30	0.058	ug/L		10/23/24 07:54	10/24/24 06:35	10
Endrin (1C)	ND		0.30	0.081	ug/L		10/23/24 07:54	10/24/24 06:35	10
Endrin aldehyde (1C)	ND		1.0	0.20	ug/L		10/23/24 07:54	10/24/24 06:35	10
Endrin ketone (1C)	ND		0.30	0.050	ug/L		10/23/24 07:54	10/24/24 06:35	10
gamma-BHC (Lindane) (1C)	ND		0.20	0.020	ug/L		10/23/24 07:54	10/24/24 06:35	10
gamma-Chlordane (1C)	ND		0.40	0.070	ug/L		10/23/24 07:54	10/24/24 06:35	10
Heptachlor (1C)	ND		0.20	0.020	ug/L		10/23/24 07:54	10/24/24 06:35	10
Heptachlor epoxide (1C)	ND		0.20	0.023	ug/L		10/23/24 07:54	10/24/24 06:35	10

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-4-UF-20241017

Lab Sample ID: 410-193116-5

Date Collected: 10/17/24 10:33

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		1.1	0.30	ug/L		10/23/24 07:54	10/24/24 06:35	10
Toxaphene (1C)	ND		10	3.0	ug/L		10/23/24 07:54	10/24/24 06:35	10
p,p'-DDD (1C)	ND		0.30	0.050	ug/L		10/23/24 07:54	10/24/24 06:35	10
p,p'-DDE (1C)	ND		0.30	0.050	ug/L		10/23/24 07:54	10/24/24 06:35	10
p,p'-DDT (1C)	ND		0.30	0.052	ug/L		10/23/24 07:54	10/24/24 06:35	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	78		20 - 149				10/23/24 07:54	10/24/24 06:35	10
DCB Decachlorobiphenyl (Surr) (2C)	79		20 - 149				10/23/24 07:54	10/24/24 06:35	10
Tetrachloro-m-xylene (Surr) (1C)	115		20 - 129				10/23/24 07:54	10/24/24 06:35	10
Tetrachloro-m-xylene (Surr) (2C)	83		20 - 129				10/23/24 07:54	10/24/24 06:35	10

Client Sample ID: MW-4-F-20241017

Lab Sample ID: 410-193116-6

Date Collected: 10/17/24 10:38

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 07:28	1
alpha-BHC (2C)	ND		0.020	0.0031	ug/L		10/23/24 07:54	10/24/24 07:28	1
alpha-Chlordane (1C)	ND		0.020	0.0031	ug/L		10/23/24 07:54	10/24/24 07:28	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		10/23/24 07:54	10/24/24 07:28	1
delta-BHC (1C)	ND		0.020	0.0035	ug/L		10/23/24 07:54	10/24/24 07:28	1
Dieldrin (1C)	0.035		0.031	0.0054	ug/L		10/23/24 07:54	10/24/24 07:28	1
Endosulfan I (1C)	ND		0.020	0.0044	ug/L		10/23/24 07:54	10/24/24 07:28	1
Endosulfan II (1C)	ND		0.041	0.015	ug/L		10/23/24 07:54	10/24/24 07:28	1
Endosulfan sulfate (1C)	ND		0.031	0.0059	ug/L		10/23/24 07:54	10/24/24 07:28	1
Endrin (1C)	ND		0.031	0.0083	ug/L		10/23/24 07:54	10/24/24 07:28	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 07:28	1
Endrin ketone (1C)	ND		0.031	0.0051	ug/L		10/23/24 07:54	10/24/24 07:28	1
gamma-BHC (Lindane) (2C)	0.0023	J p J, RC:P	0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 07:28	1
gamma-Chlordane (1C)	ND		0.041	0.0071	ug/L		10/23/24 07:54	10/24/24 07:28	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 07:28	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 07:28	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		10/23/24 07:54	10/24/24 07:28	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		10/23/24 07:54	10/24/24 07:28	1
p,p'-DDD (1C)	ND		0.031	0.0051	ug/L		10/23/24 07:54	10/24/24 07:28	1
p,p'-DDE (1C)	ND		0.031	0.0051	ug/L		10/23/24 07:54	10/24/24 07:28	1
p,p'-DDT (1C)	ND		0.031	0.0053	ug/L		10/23/24 07:54	10/24/24 07:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	63		20 - 149				10/23/24 07:54	10/24/24 07:28	1
DCB Decachlorobiphenyl (Surr) (2C)	64		20 - 149				10/23/24 07:54	10/24/24 07:28	1
Tetrachloro-m-xylene (Surr) (1C)	78		20 - 129				10/23/24 07:54	10/24/24 07:28	1
Tetrachloro-m-xylene (Surr) (2C)	74		20 - 129				10/23/24 07:54	10/24/24 07:28	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-2D-UF-20241017

Lab Sample ID: 410-193116-7

Date Collected: 10/17/24 11:57

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (2C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 07:39	1
alpha-BHC (1C)	ND		0.021	0.0031	ug/L		10/23/24 07:54	10/24/24 07:39	1
alpha-Chlordane (2C)	0.0043	J p J, RC:P	0.021	0.0031	ug/L		10/23/24 07:54	10/24/24 07:39	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		10/23/24 07:54	10/24/24 07:39	1
delta-BHC (1C)	ND		0.021	0.0036	ug/L		10/23/24 07:54	10/24/24 07:39	1
Dieldrin (1C)	0.022	J p J, RC:P	0.031	0.0055	ug/L		10/23/24 07:54	10/24/24 07:39	1
Endosulfan I (1C)	ND		0.021	0.0045	ug/L		10/23/24 07:54	10/24/24 07:39	1
Endosulfan II (1C)	ND		0.042	0.016	ug/L		10/23/24 07:54	10/24/24 07:39	1
Endosulfan sulfate (1C)	ND		0.031	0.0061	ug/L		10/23/24 07:54	10/24/24 07:39	1
Endrin (1C)	ND		0.031	0.0085	ug/L		10/23/24 07:54	10/24/24 07:39	1
Endrin aldehyde (2C)	ND		0.10	0.021	ug/L		10/23/24 07:54	10/24/24 07:39	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 07:39	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 07:39	1
gamma-Chlordane (1C)	ND		0.042	0.0073	ug/L		10/23/24 07:54	10/24/24 07:39	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 07:39	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		10/23/24 07:54	10/24/24 07:39	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		10/23/24 07:54	10/24/24 07:39	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		10/23/24 07:54	10/24/24 07:39	1
p,p'-DDD (2C)	0.37		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 07:39	1
p,p'-DDE (1C)	0.14		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 07:39	1
p,p'-DDT (1C)	0.025	J p J, RC:P	0.031	0.0054	ug/L		10/23/24 07:54	10/24/24 07:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	49	p	20 - 149	10/23/24 07:54	10/24/24 07:39	1
DCB Decachlorobiphenyl (Surr) (2C)	101		20 - 149	10/23/24 07:54	10/24/24 07:39	1
Tetrachloro-m-xylene (Surr) (1C)	89		20 - 129	10/23/24 07:54	10/24/24 07:39	1
Tetrachloro-m-xylene (Surr) (2C)	83		20 - 129	10/23/24 07:54	10/24/24 07:39	1

Client Sample ID: MW-2D-F-20241017

Lab Sample ID: 410-193116-8

Date Collected: 10/17/24 12:02

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 07:50	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 07:50	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 07:50	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 07:50	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 07:50	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 07:50	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 07:50	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 07:50	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		10/23/24 07:54	10/24/24 07:50	1
Endrin (1C)	ND		0.030	0.0081	ug/L		10/23/24 07:54	10/24/24 07:50	1
Endrin aldehyde (2C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 07:50	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 07:50	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 07:50	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		10/23/24 07:54	10/24/24 07:50	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 07:50	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 07:50	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-2D-F-20241017

Lab Sample ID: 410-193116-8

Date Collected: 10/17/24 12:02

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 07:50	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 07:50	1
p,p'-DDD (1C)	0.011	J	0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 07:50	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 07:50	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		10/23/24 07:54	10/24/24 07:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	71		20 - 149				10/23/24 07:54	10/24/24 07:50	1
DCB Decachlorobiphenyl (Surr) (2C)	82		20 - 149				10/23/24 07:54	10/24/24 07:50	1
Tetrachloro-m-xylene (Surr) (1C)	80		20 - 129				10/23/24 07:54	10/24/24 07:50	1
Tetrachloro-m-xylene (Surr) (2C)	76		20 - 129				10/23/24 07:54	10/24/24 07:50	1

Client Sample ID: DUP-UF-20241017

Lab Sample ID: 410-193116-9

Date Collected: 10/17/24 00:00

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:00	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 08:00	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 08:00	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 08:00	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 08:00	1
Dieldrin (1C)	0.022	J p J, RC:P	0.030	0.0054	ug/L		10/23/24 07:54	10/24/24 08:00	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 08:00	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 08:00	1
Endosulfan sulfate (1C)	ND		0.030	0.0059	ug/L		10/23/24 07:54	10/24/24 08:00	1
Endrin (1C)	ND		0.030	0.0082	ug/L		10/23/24 07:54	10/24/24 08:00	1
Endrin aldehyde (2C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 08:00	1
Endrin ketone (1C)	ND		0.030	0.0051	ug/L		10/23/24 07:54	10/24/24 08:00	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:00	1
gamma-Chlordane (1C)	ND		0.040	0.0071	ug/L		10/23/24 07:54	10/24/24 08:00	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:00	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 08:00	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 08:00	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 08:00	1
p,p'-DDD (2C)	0.38		0.030	0.0051	ug/L		10/23/24 07:54	10/24/24 08:00	1
p,p'-DDE (1C)	0.14		0.030	0.0051	ug/L		10/23/24 07:54	10/24/24 08:00	1
p,p'-DDT (1C)	0.073	p J, RC:P	0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 08:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	54	p	20 - 149				10/23/24 07:54	10/24/24 08:00	1
DCB Decachlorobiphenyl (Surr) (2C)	104		20 - 149				10/23/24 07:54	10/24/24 08:00	1
Tetrachloro-m-xylene (Surr) (1C)	88		20 - 129				10/23/24 07:54	10/24/24 08:00	1
Tetrachloro-m-xylene (Surr) (2C)	82		20 - 129				10/23/24 07:54	10/24/24 08:00	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: DUP-F-20241017

Lab Sample ID: 410-193116-10

Date Collected: 10/17/24 00:01

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:11	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 08:11	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 08:11	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 08:11	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 08:11	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 08:11	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 08:11	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 08:11	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		10/23/24 07:54	10/24/24 08:11	1
Endrin (1C)	ND		0.030	0.0081	ug/L		10/23/24 07:54	10/24/24 08:11	1
Endrin aldehyde (2C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 08:11	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 08:11	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:11	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		10/23/24 07:54	10/24/24 08:11	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:11	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 08:11	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 08:11	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 08:11	1
p,p'-DDD (1C)	0.0088	J	0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 08:11	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 08:11	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		10/23/24 07:54	10/24/24 08:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	72		20 - 149	10/23/24 07:54	10/24/24 08:11	1
DCB Decachlorobiphenyl (Surr) (2C)	82		20 - 149	10/23/24 07:54	10/24/24 08:11	1
Tetrachloro-m-xylene (Surr) (1C)	80		20 - 129	10/23/24 07:54	10/24/24 08:11	1
Tetrachloro-m-xylene (Surr) (2C)	76		20 - 129	10/23/24 07:54	10/24/24 08:11	1

Client Sample ID: EB-UF-20241017

Lab Sample ID: 410-193116-11

Date Collected: 10/17/24 10:48

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:21	1
alpha-BHC (1C)	ND		0.020	0.0031	ug/L		10/23/24 07:54	10/24/24 08:21	1
alpha-Chlordane (1C)	ND		0.020	0.0031	ug/L		10/23/24 07:54	10/24/24 08:21	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		10/23/24 07:54	10/24/24 08:21	1
delta-BHC (1C)	ND		0.020	0.0035	ug/L		10/23/24 07:54	10/24/24 08:21	1
Dieldrin (1C)	ND		0.031	0.0054	ug/L		10/23/24 07:54	10/24/24 08:21	1
Endosulfan I (1C)	ND		0.020	0.0044	ug/L		10/23/24 07:54	10/24/24 08:21	1
Endosulfan II (1C)	ND		0.041	0.015	ug/L		10/23/24 07:54	10/24/24 08:21	1
Endosulfan sulfate (1C)	ND		0.031	0.0059	ug/L		10/23/24 07:54	10/24/24 08:21	1
Endrin (1C)	ND		0.031	0.0083	ug/L		10/23/24 07:54	10/24/24 08:21	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 08:21	1
Endrin ketone (1C)	ND		0.031	0.0051	ug/L		10/23/24 07:54	10/24/24 08:21	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:21	1
gamma-Chlordane (1C)	ND		0.041	0.0072	ug/L		10/23/24 07:54	10/24/24 08:21	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:21	1
Heptachlor epoxide (1C)	ND		0.020	0.0024	ug/L		10/23/24 07:54	10/24/24 08:21	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: EB-UF-20241017

Lab Sample ID: 410-193116-11

Date Collected: 10/17/24 10:48

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.11	0.031	ug/L		10/23/24 07:54	10/24/24 08:21	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		10/23/24 07:54	10/24/24 08:21	1
p,p'-DDD (1C)	ND		0.031	0.0051	ug/L		10/23/24 07:54	10/24/24 08:21	1
p,p'-DDE (1C)	ND		0.031	0.0051	ug/L		10/23/24 07:54	10/24/24 08:21	1
p,p'-DDT (1C)	ND		0.031	0.0053	ug/L		10/23/24 07:54	10/24/24 08:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	115		20 - 149				10/23/24 07:54	10/24/24 08:21	1
DCB Decachlorobiphenyl (Surr) (2C)	104		20 - 149				10/23/24 07:54	10/24/24 08:21	1
Tetrachloro-m-xylene (Surr) (1C)	98		20 - 129				10/23/24 07:54	10/24/24 08:21	1
Tetrachloro-m-xylene (Surr) (2C)	97		20 - 129				10/23/24 07:54	10/24/24 08:21	1

Client Sample ID: EB-F-20241017

Lab Sample ID: 410-193116-12

Date Collected: 10/17/24 10:53

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 08:32	1
alpha-BHC (1C)	ND		0.021	0.0031	ug/L		10/23/24 07:54	10/24/24 08:32	1
alpha-Chlordane (1C)	ND		0.021	0.0031	ug/L		10/23/24 07:54	10/24/24 08:32	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		10/23/24 07:54	10/24/24 08:32	1
delta-BHC (1C)	ND		0.021	0.0035	ug/L		10/23/24 07:54	10/24/24 08:32	1
Dieldrin (1C)	ND		0.031	0.0055	ug/L		10/23/24 07:54	10/24/24 08:32	1
Endosulfan I (1C)	ND		0.021	0.0044	ug/L		10/23/24 07:54	10/24/24 08:32	1
Endosulfan II (1C)	ND		0.041	0.015	ug/L		10/23/24 07:54	10/24/24 08:32	1
Endosulfan sulfate (1C)	ND		0.031	0.0060	ug/L		10/23/24 07:54	10/24/24 08:32	1
Endrin (1C)	ND		0.031	0.0083	ug/L		10/23/24 07:54	10/24/24 08:32	1
Endrin aldehyde (1C)	ND		0.10	0.021	ug/L		10/23/24 07:54	10/24/24 08:32	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 08:32	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 08:32	1
gamma-Chlordane (1C)	ND		0.041	0.0072	ug/L		10/23/24 07:54	10/24/24 08:32	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 08:32	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		10/23/24 07:54	10/24/24 08:32	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		10/23/24 07:54	10/24/24 08:32	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		10/23/24 07:54	10/24/24 08:32	1
p,p'-DDD (1C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 08:32	1
p,p'-DDE (1C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 08:32	1
p,p'-DDT (1C)	ND		0.031	0.0054	ug/L		10/23/24 07:54	10/24/24 08:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	40		20 - 149				10/23/24 07:54	10/24/24 08:32	1
DCB Decachlorobiphenyl (Surr) (2C)	38		20 - 149				10/23/24 07:54	10/24/24 08:32	1
Tetrachloro-m-xylene (Surr) (1C)	114		20 - 129				10/23/24 07:54	10/24/24 08:32	1
Tetrachloro-m-xylene (Surr) (2C)	111		20 - 129				10/23/24 07:54	10/24/24 08:32	1

Surrogate Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (20-149)	DCB2 (20-149)	TCX1 (20-129)	TCX2 (20-129)
410-193116-1	MW-3-UF-20241017	65	65	67	68
410-193116-1 MS	MW-3-UF-20241017	65	62	81	80
410-193116-1 MSD	MW-3-UF-20241017	77	71	77	76
410-193116-2	MW-3-F-20241017	34	31	74	73
410-193116-2 MS	MW-3-F-20241017	84	82	82	81
410-193116-2 MSD	MW-3-F-20241017	75	73	75	74
410-193116-3	MW-5-UF-20241017	78	74	100	94
410-193116-4	MW-5-F-20241017	54	51	82	79
410-193116-5	MW-4-UF-20241017	78	79	115	83
410-193116-6	MW-4-F-20241017	63	64	78	74
410-193116-7	MW-2D-UF-20241017	49 p	101	89	83
410-193116-8	MW-2D-F-20241017	71	82	80	76
410-193116-9	DUP-UF-20241017	54 p	104	88	82
410-193116-10	DUP-F-20241017	72	82	80	76
410-193116-11	EB-UF-20241017	115	104	98	97
410-193116-12	EB-F-20241017	40	38	114	111
LCS 410-566708/2-A	Lab Control Sample	72	72	65	60
LCSD 410-566708/3-A	Lab Control Sample Dup	88	84	73	66
MB 410-566708/1-A	Method Blank	98	98	69	62

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 410-566708/1-A

Matrix: Water

Analysis Batch: 567171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 566708

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 03:46	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 03:46	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 03:46	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 03:46	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 03:46	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 03:46	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 03:46	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 03:46	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		10/23/24 07:54	10/24/24 03:46	1
Endrin (1C)	ND		0.030	0.0081	ug/L		10/23/24 07:54	10/24/24 03:46	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 03:46	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 03:46	1
gamma-BHC (Lindane) (2C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 03:46	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		10/23/24 07:54	10/24/24 03:46	1
Heptachlor (2C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 03:46	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 03:46	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 03:46	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 03:46	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 03:46	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 03:46	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		10/23/24 07:54	10/24/24 03:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	98		20 - 149	10/23/24 07:54	10/24/24 03:46	1
DCB Decachlorobiphenyl (Surr) (2C)	98		20 - 149	10/23/24 07:54	10/24/24 03:46	1
Tetrachloro-m-xylene (Surr) (1C)	69		20 - 129	10/23/24 07:54	10/24/24 03:46	1
Tetrachloro-m-xylene (Surr) (2C)	62		20 - 129	10/23/24 07:54	10/24/24 03:46	1

Lab Sample ID: LCS 410-566708/2-A

Matrix: Water

Analysis Batch: 567171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (2C)	0.100	0.0544		ug/L		54	10 - 148
alpha-BHC (2C)	0.100	0.0823		ug/L		82	47 - 132
alpha-Chlordane (1C)	0.100	0.0787		ug/L		79	50 - 136
beta-BHC (1C)	0.100	0.0918		ug/L		92	65 - 139
delta-BHC (1C)	0.100	0.0827		ug/L		83	56 - 141
Dieldrin (2C)	0.200	0.165		ug/L		83	58 - 145
Endosulfan I (2C)	0.100	0.0806		ug/L		81	63 - 138
Endosulfan II (2C)	0.200	0.166		ug/L		83	61 - 138
Endosulfan sulfate (2C)	0.200	0.168		ug/L		84	63 - 129
Endrin (1C)	0.200	0.166		ug/L		83	63 - 131
Endrin aldehyde (2C)	0.200	0.159		ug/L		80	57 - 135
Endrin ketone (1C)	0.200	0.177		ug/L		89	67 - 136
gamma-BHC (Lindane) (2C)	0.100	0.0839		ug/L		84	61 - 139
gamma-Chlordane (2C)	0.100	0.0805		ug/L		80	33 - 141
Heptachlor (1C)	0.100	0.0625		ug/L		62	35 - 136

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 410-566708/2-A

Matrix: Water

Analysis Batch: 567171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor epoxide (2C)	0.100	0.0819		ug/L		82	59 - 146
Methoxychlor (2C)	1.00	0.957		ug/L		96	66 - 148
p,p'-DDD (2C)	0.200	0.171		ug/L		85	42 - 148
p,p'-DDE (1C)	0.200	0.154		ug/L		77	20 - 140
p,p'-DDT (2C)	0.200	0.187		ug/L		93	40 - 145

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	72		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	72		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	65		20 - 129
Tetrachloro-m-xylene (Surr) (2C)	60		20 - 129

Lab Sample ID: LCSD 410-566708/3-A

Matrix: Water

Analysis Batch: 567171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (2C)	0.100	0.0570		ug/L		57	10 - 148	5	30
alpha-BHC (2C)	0.100	0.0899		ug/L		90	47 - 132	9	30
alpha-Chlordane (2C)	0.100	0.0846		ug/L		85	50 - 136	7	30
beta-BHC (1C)	0.100	0.0940		ug/L		94	65 - 139	2	30
delta-BHC (2C)	0.100	0.0900		ug/L		90	56 - 141	9	30
Dieldrin (2C)	0.200	0.189		ug/L		94	58 - 145	13	30
Endosulfan I (1C)	0.100	0.0903		ug/L		90	63 - 138	11	30
Endosulfan II (2C)	0.200	0.182		ug/L		91	61 - 138	9	30
Endosulfan sulfate (1C)	0.200	0.190		ug/L		95	63 - 129	12	30
Endrin (1C)	0.200	0.182		ug/L		91	63 - 131	9	30
Endrin aldehyde (2C)	0.200	0.179		ug/L		89	57 - 135	12	20
Endrin ketone (1C)	0.200	0.204		ug/L		102	67 - 136	14	30
gamma-BHC (Lindane) (2C)	0.100	0.0936		ug/L		94	61 - 139	11	30
gamma-Chlordane (2C)	0.100	0.0910		ug/L		91	33 - 141	12	30
Heptachlor (2C)	0.100	0.0678		ug/L		68	35 - 136	8	30
Heptachlor epoxide (2C)	0.100	0.0966		ug/L		97	59 - 146	17	30
Methoxychlor (2C)	1.00	1.09		ug/L		109	66 - 148	13	30
p,p'-DDD (2C)	0.200	0.190		ug/L		95	42 - 148	11	30
p,p'-DDE (1C)	0.200	0.173		ug/L		86	20 - 140	11	30
p,p'-DDT (2C)	0.200	0.210		ug/L		105	40 - 145	12	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	88		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	84		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	73		20 - 129

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 410-566708/3-A

Matrix: Water

Analysis Batch: 567171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 566708

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene (Surr) (2C)	66		20 - 129

Lab Sample ID: 410-193116-1 MS

Matrix: Water

Analysis Batch: 567171

Client Sample ID: MW-3-UF-20241017

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (2C)	ND		0.102	0.0709		ug/L		70	10 - 148
alpha-BHC (2C)	ND		0.102	0.100		ug/L		99	47 - 132
alpha-Chlordane (1C)	0.013	J	0.102	0.106		ug/L		92	50 - 136
beta-BHC (2C)	ND		0.102	0.101		ug/L		99	65 - 139
delta-BHC (2C)	ND		0.102	0.100		ug/L		99	56 - 141
Dieldrin (2C)	ND		0.203	0.194		ug/L		95	58 - 145
Endosulfan I (2C)	ND		0.102	0.0957		ug/L		94	63 - 138
Endosulfan II (2C)	ND		0.203	0.194		ug/L		96	61 - 138
Endosulfan sulfate (2C)	ND		0.203	0.200		ug/L		98	63 - 129
Endrin (2C)	ND		0.203	0.196		ug/L		97	63 - 131
Endrin aldehyde (2C)	ND		0.203	0.203		ug/L		100	57 - 135
Endrin ketone (2C)	ND		0.203	0.207		ug/L		102	67 - 136
gamma-BHC (Lindane) (2C)	ND		0.102	0.102		ug/L		101	61 - 139
gamma-Chlordane (2C)	ND		0.102	0.111		ug/L		110	33 - 141
Heptachlor (2C)	ND		0.102	0.0817		ug/L		80	35 - 136
Heptachlor epoxide (2C)	0.0063	J	0.102	0.105		ug/L		97	59 - 146
Methoxychlor (2C)	ND		1.02	1.11		ug/L		109	66 - 148
p,p'-DDD (2C)	ND		0.203	0.197		ug/L		97	42 - 148
p,p'-DDE (1C)	ND		0.203	0.187		ug/L		92	20 - 140
p,p'-DDT (2C)	ND		0.203	0.209		ug/L		103	40 - 145

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	65		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	62		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	81		20 - 129
Tetrachloro-m-xylene (Surr) (2C)	80		20 - 129

Lab Sample ID: 410-193116-1 MSD

Matrix: Water

Analysis Batch: 567171

Client Sample ID: MW-3-UF-20241017

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Aldrin (1C)	ND		0.102	0.0639		ug/L		62	10 - 148	10	30
alpha-BHC (2C)	ND		0.102	0.0920		ug/L		90	47 - 132	8	30
alpha-Chlordane (2C)	0.013	J	0.102	0.0922		ug/L		78	50 - 136	14	30
beta-BHC (2C)	ND		0.102	0.0947		ug/L		93	65 - 139	6	30
delta-BHC (2C)	ND		0.102	0.0890		ug/L		87	56 - 141	12	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 410-193116-1 MSD

Matrix: Water

Analysis Batch: 567171

Client Sample ID: MW-3-UF-20241017

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dieldrin (2C)	ND		0.205	0.181		ug/L		89	58 - 145	6	30
Endosulfan I (2C)	ND		0.102	0.0871		ug/L		85	63 - 138	9	30
Endosulfan II (1C)	ND		0.205	0.166		ug/L		81	61 - 138	16	30
Endosulfan sulfate (1C)	ND		0.205	0.174		ug/L		85	63 - 129	14	30
Endrin (2C)	ND		0.205	0.179		ug/L		87	63 - 131	9	30
Endrin aldehyde (2C)	ND		0.205	0.173		ug/L		85	57 - 135	16	20
Endrin ketone (2C)	ND		0.205	0.184		ug/L		90	67 - 136	12	30
gamma-BHC (Lindane) (2C)	ND		0.102	0.0926		ug/L		91	61 - 139	10	30
gamma-Chlordane (2C)	ND		0.102	0.0953		ug/L		93	33 - 141	16	30
Heptachlor (2C)	ND		0.102	0.0760		ug/L		74	35 - 136	7	30
Heptachlor epoxide (2C)	0.0063	J	0.102	0.0945		ug/L		86	59 - 146	10	30
Methoxychlor (2C)	ND		1.02	0.962		ug/L		94	66 - 148	14	30
p,p'-DDD (2C)	ND		0.205	0.176		ug/L		86	42 - 148	12	30
p,p'-DDE (2C)	ND		0.205	0.164		ug/L		80	20 - 140	13	30
p,p'-DDT (2C)	ND		0.205	0.188		ug/L		92	40 - 145	10	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	77		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	71		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	77		20 - 129
Tetrachloro-m-xylene (Surr) (2C)	76		20 - 129

Lab Sample ID: 410-193116-2 MS

Matrix: Water

Analysis Batch: 567171

Client Sample ID: MW-3-F-20241017

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (2C)	ND		0.103	0.0770		ug/L		75	10 - 148
alpha-BHC (2C)	ND		0.103	0.0971		ug/L		95	47 - 132
alpha-Chlordane (2C)	ND		0.103	0.0967		ug/L		94	50 - 136
beta-BHC (2C)	ND		0.103	0.0988		ug/L		96	65 - 139
delta-BHC (2C)	ND		0.103	0.0977		ug/L		95	56 - 141
Dieldrin (2C)	ND		0.205	0.196		ug/L		95	58 - 145
Endosulfan I (2C)	ND		0.103	0.0938		ug/L		91	63 - 138
Endosulfan II (2C)	ND		0.205	0.185		ug/L		90	61 - 138
Endosulfan sulfate (1C)	ND		0.205	0.190		ug/L		92	63 - 129
Endrin (1C)	ND		0.205	0.189		ug/L		92	63 - 131
Endrin aldehyde (2C)	ND		0.205	0.190		ug/L		92	57 - 135
Endrin ketone (2C)	ND		0.205	0.201		ug/L		98	67 - 136
gamma-BHC (Lindane) (2C)	ND		0.103	0.0999		ug/L		97	61 - 139
gamma-Chlordane (2C)	ND		0.103	0.0980		ug/L		95	33 - 141
Heptachlor (1C)	ND		0.103	0.0894		ug/L		87	35 - 136
Heptachlor epoxide (2C)	ND		0.103	0.100		ug/L		97	59 - 146
Methoxychlor (2C)	ND		1.03	1.04		ug/L		102	66 - 148
p,p'-DDD (2C)	ND		0.205	0.195		ug/L		95	42 - 148

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 410-193116-2 MS

Matrix: Water

Analysis Batch: 567171

Client Sample ID: MW-3-F-20241017

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
p,p'-DDE (2C)	ND		0.205	0.192		ug/L		93	20 - 140
p,p'-DDT (2C)	ND		0.205	0.212		ug/L		103	40 - 145

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	84		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	82		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	82		20 - 129
Tetrachloro-m-xylene (Surr) (2C)	81		20 - 129

Lab Sample ID: 410-193116-2 MSD

Matrix: Water

Analysis Batch: 567171

Client Sample ID: MW-3-F-20241017

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (2C)	ND		0.101	0.0661		ug/L		65	10 - 148	15	30
alpha-BHC (2C)	ND		0.101	0.0869		ug/L		86	47 - 132	11	30
alpha-Chlordane (2C)	ND		0.101	0.0846		ug/L		83	50 - 136	13	30
beta-BHC (1C)	ND		0.101	0.0919		ug/L		91	65 - 139	7	30
delta-BHC (2C)	ND		0.101	0.0864		ug/L		85	56 - 141	12	30
Dieldrin (2C)	ND		0.203	0.171		ug/L		84	58 - 145	13	30
Endosulfan I (2C)	ND		0.101	0.0860		ug/L		85	63 - 138	9	30
Endosulfan II (1C)	ND		0.203	0.164		ug/L		81	61 - 138	12	30
Endosulfan sulfate (1C)	ND		0.203	0.174		ug/L		86	63 - 129	8	30
Endrin (2C)	ND		0.203	0.170		ug/L		84	63 - 131	11	30
Endrin aldehyde (2C)	ND		0.203	0.183		ug/L		90	57 - 135	4	20
Endrin ketone (2C)	ND		0.203	0.184		ug/L		91	67 - 136	9	30
gamma-BHC (Lindane) (2C)	ND		0.101	0.0910		ug/L		90	61 - 139	9	30
gamma-Chlordane (2C)	ND		0.101	0.0887		ug/L		87	33 - 141	10	30
Heptachlor (2C)	ND		0.101	0.0757		ug/L		75	35 - 136	17	30
Heptachlor epoxide (2C)	ND		0.101	0.0864		ug/L		85	59 - 146	15	30
Methoxychlor (2C)	ND		1.01	0.944		ug/L		93	66 - 148	10	30
p,p'-DDD (2C)	ND		0.203	0.173		ug/L		85	42 - 148	12	30
p,p'-DDE (2C)	ND		0.203	0.164		ug/L		81	20 - 140	16	30
p,p'-DDT (2C)	ND		0.203	0.181		ug/L		89	40 - 145	16	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	75		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	73		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	75		20 - 129
Tetrachloro-m-xylene (Surr) (2C)	74		20 - 129

QC Association Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

GC Semi VOA

Prep Batch: 566708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-193116-1	MW-3-UF-20241017	Total/NA	Water	3510C	
410-193116-2	MW-3-F-20241017	Total/NA	Water	3510C	
410-193116-3	MW-5-UF-20241017	Total/NA	Water	3510C	
410-193116-4	MW-5-F-20241017	Total/NA	Water	3510C	
410-193116-5	MW-4-UF-20241017	Total/NA	Water	3510C	
410-193116-6	MW-4-F-20241017	Total/NA	Water	3510C	
410-193116-7	MW-2D-UF-20241017	Total/NA	Water	3510C	
410-193116-8	MW-2D-F-20241017	Total/NA	Water	3510C	
410-193116-9	DUP-UF-20241017	Total/NA	Water	3510C	
410-193116-10	DUP-F-20241017	Total/NA	Water	3510C	
410-193116-11	EB-UF-20241017	Total/NA	Water	3510C	
410-193116-12	EB-F-20241017	Total/NA	Water	3510C	
MB 410-566708/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-566708/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-566708/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-193116-1 MS	MW-3-UF-20241017	Total/NA	Water	3510C	
410-193116-1 MSD	MW-3-UF-20241017	Total/NA	Water	3510C	
410-193116-2 MS	MW-3-F-20241017	Total/NA	Water	3510C	
410-193116-2 MSD	MW-3-F-20241017	Total/NA	Water	3510C	

Analysis Batch: 567171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-193116-1	MW-3-UF-20241017	Total/NA	Water	8081B	566708
410-193116-2	MW-3-F-20241017	Total/NA	Water	8081B	566708
410-193116-3	MW-5-UF-20241017	Total/NA	Water	8081B	566708
410-193116-4	MW-5-F-20241017	Total/NA	Water	8081B	566708
410-193116-5	MW-4-UF-20241017	Total/NA	Water	8081B	566708
410-193116-6	MW-4-F-20241017	Total/NA	Water	8081B	566708
410-193116-7	MW-2D-UF-20241017	Total/NA	Water	8081B	566708
410-193116-8	MW-2D-F-20241017	Total/NA	Water	8081B	566708
410-193116-9	DUP-UF-20241017	Total/NA	Water	8081B	566708
410-193116-10	DUP-F-20241017	Total/NA	Water	8081B	566708
410-193116-11	EB-UF-20241017	Total/NA	Water	8081B	566708
410-193116-12	EB-F-20241017	Total/NA	Water	8081B	566708
MB 410-566708/1-A	Method Blank	Total/NA	Water	8081B	566708
LCS 410-566708/2-A	Lab Control Sample	Total/NA	Water	8081B	566708
LCSD 410-566708/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	566708
410-193116-1 MS	MW-3-UF-20241017	Total/NA	Water	8081B	566708
410-193116-1 MSD	MW-3-UF-20241017	Total/NA	Water	8081B	566708
410-193116-2 MS	MW-3-F-20241017	Total/NA	Water	8081B	566708
410-193116-2 MSD	MW-3-F-20241017	Total/NA	Water	8081B	566708

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-3-UF-20241017

Lab Sample ID: 410-193116-1

Date Collected: 10/17/24 08:59

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 04:39

Client Sample ID: MW-3-F-20241017

Lab Sample ID: 410-193116-2

Date Collected: 10/17/24 09:04

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 05:11

Client Sample ID: MW-5-UF-20241017

Lab Sample ID: 410-193116-3

Date Collected: 10/17/24 09:50

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 06:14

Client Sample ID: MW-5-F-20241017

Lab Sample ID: 410-193116-4

Date Collected: 10/17/24 09:55

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 06:25

Client Sample ID: MW-4-UF-20241017

Lab Sample ID: 410-193116-5

Date Collected: 10/17/24 10:33

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		10	567171	UAMZ	ELLE	10/24/24 06:35

Client Sample ID: MW-4-F-20241017

Lab Sample ID: 410-193116-6

Date Collected: 10/17/24 10:38

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 07:28

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-2D-UF-20241017

Lab Sample ID: 410-193116-7

Date Collected: 10/17/24 11:57

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 07:39

Client Sample ID: MW-2D-F-20241017

Lab Sample ID: 410-193116-8

Date Collected: 10/17/24 12:02

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 07:50

Client Sample ID: DUP-UF-20241017

Lab Sample ID: 410-193116-9

Date Collected: 10/17/24 00:00

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 08:00

Client Sample ID: DUP-F-20241017

Lab Sample ID: 410-193116-10

Date Collected: 10/17/24 00:01

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 08:11

Client Sample ID: EB-UF-20241017

Lab Sample ID: 410-193116-11

Date Collected: 10/17/24 10:48

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 08:21

Client Sample ID: EB-F-20241017

Lab Sample ID: 410-193116-12

Date Collected: 10/17/24 10:53

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 08:32

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins Lancaster Laboratories Environment Testing, LLC

Accreditation/Certification Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-25

1
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Method Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method	Method Description	Protocol	Laboratory
8081B	Organochlorine Pesticides (GC)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-193116-1	MW-3-UF-20241017	Water	10/17/24 08:59	10/18/24 19:09
410-193116-2	MW-3-F-20241017	Water	10/17/24 09:04	10/18/24 19:09
410-193116-3	MW-5-UF-20241017	Water	10/17/24 09:50	10/18/24 19:09
410-193116-4	MW-5-F-20241017	Water	10/17/24 09:55	10/18/24 19:09
410-193116-5	MW-4-UF-20241017	Water	10/17/24 10:33	10/18/24 19:09
410-193116-6	MW-4-F-20241017	Water	10/17/24 10:38	10/18/24 19:09
410-193116-7	MW-2D-UF-20241017	Water	10/17/24 11:57	10/18/24 19:09
410-193116-8	MW-2D-F-20241017	Water	10/17/24 12:02	10/18/24 19:09
410-193116-9	DUP-UF-20241017	Water	10/17/24 00:00	10/18/24 19:09
410-193116-10	DUP-F-20241017	Water	10/17/24 00:01	10/18/24 19:09
410-193116-11	EB-UF-20241017	Water	10/17/24 10:48	10/18/24 19:09
410-193116-12	EB-F-20241017	Water	10/17/24 10:53	10/18/24 19:09

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Chain of Custody Record

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Environment Testing

410-193116 Chain of Custody

Client		Sampler		Lab PM		Carrier Tracking No(s)		COC No.			
Client Contact: Mr. Brian Taylor		Phone:		Weyandt, Barbara A		State of Origin:		410-133393-8178.1			
Company: Brown and Caldwell		PWSID:		E-Mail: Barbara.Weyandt@et.eurofinsus.com		Page:		Page 1 of 2			
Address: 3 Marcus Blvd Suite 106		Due Date Requested:		Analysis Requested		Job #:		Preservation Codes: N - None			
City: Albany		TAT Requested (days): STANDARD									
State, Zip: NY, 12205		Compliance Project: ☐ Yes ☐ No									
Phone: 845-901-4229(Tel)		PO #: 139990									
Email: BFTaylor@brwnclad.com		WO #:									
Project Name: Bartlett Tree Site, NY		Project #: 41003335									
Site:		SSOW#:									
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)	Field MS/MSD (Yes or No)	8081B - TCL OC Pesticides	Total Number of containers	Special Instructions/Note:	
				Preservation Code:		X	X	N			
MW-3-UF-20241017 (MS/MSB)		10/17/24	0859	G	FW	X	X		6		
MW-3-F-20241017 (MS/MSB)			0904			X	X		6		
MW-5-UF-20241017			0950			X	X		2		
MW-5-F-20241017			0955			X	X		2		
MW-4-UF-20241017			1033			X	X		2		
MW-4-F-20241017			1038			X	X		2		
MW-2A-UF-20241017			1157			X	X		2		
MW-2A-F-20241017			1202			X	X		2		
Dup-UF-20241017			1949			X	X		2		
~~Dup-UF-20241017~~			~~1949~~			X	X		2		
Dup-F-20241017			0001			X	X		2		
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify) BC FEWS					Special Instructions/QC Requirements:						
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:					
Relinquished by: Max Moore		Date/Time: 10/18 1600		Company: BC		Received by: [Signature]		Date/Time: 10/18 16:00		Company: ELC	
Relinquished by: [Signature]		Date/Time: 10/18 19:09		Company: ELC		Received by: [Signature]		Date/Time: 10/18 19:09		Company: ELC	
Relinquished by: [Signature]		Date/Time: 10/18 19:09		Company: ELC		Received by: [Signature]		Date/Time: 10/18 19:09		Company: ELC	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 0.5-1.0 / 0.1-0.6							

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Ver: 05/06/2024
10/25/2024

10/25/2024

Login Sample Receipt Checklist

Client: Brown and Caldwell

Job Number: 410-193116-1

Login Number: 193116

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Wrye, Shaun

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

DATA USABILITY SUMMARY REPORT

Bartlett Tree Experts

Client: Bartlett Tree Experts
SDGs: 410-200757-1
Laboratory: Eurofins Lancaster Laboratories Environment Testing, Inc.
Site: New York
Date: January 16, 2025

Client Sample ID	Laboratory Sample ID	Date Collected	Matrix
SV-1-20241212	410-200757-1	12/12/2024	Air
IA-1-20241212	410-200757-2	12/12/2024	Air
AA-1-20241212	410-200757-3	12/12/2024	Air

Data validation was performed on the analytical data for three (3) samples collected December 12, 2024, at the site in New York. The samples were analyzed under the Environmental Protection Agency (USEPA) "Test Methods for Evaluating Solid Waste Physical/Chemical SW-846 Method" described below.

Specific method references are as follows:

Analysis

Volatile Organic Compounds (VOCs)

Method References

USEPA TO-15

Data were reviewed in accordance with the USEPA National Functional Guidelines (NFGs) listed below and appropriate method specific USEPA Region II Data Validation Standard Operating Procedures (SOPs). The USEPA NFGs were developed for the Contract Laboratory Program (CLP) methods and may not be applicable to the analytical methods and procedures utilized by the laboratory for this data set. Results were also qualified using analytical method criteria and the reviewer's professional judgement where specific guidance was not applicable.

- USEPA. National Functional Guidelines for Superfund Organics Methods Data Review. OLEM 9240.0-51, EPA 540-R-20-005, November 2020
- USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review. OSWER 9240.1-05A-A-P EPA540/R-99/008. October 1999
- USEPA Contract Laboratory Program Region II Data Validation SOPs (HW-31)

The following items/criteria were reviewed for this report:

- Data Completeness
- Chain of Custody
- Holding times and sample preservation
- Field Duplicate Accuracy
- Internal Standard Area and RT
- Surrogates
- Laboratory Control Sample (LCS) recoveries
- Matrix Spike and Matrix Spike Duplicate Samples
- Method and field blank contamination
- Initial and continuing calibration summaries
- Compound Quantitation
- Reporting Limits

- Sample comments and Quality Control Summaries

Overall Usability Issues:

- Overall, the data is acceptable for the intended purposes. Minor analytical issues were found with the following data quality indicators resulting in qualified results: canister certification detections.

Chain of Custody:

- The COC was missing the stop times for these samples. However, this information was sent via email on 12/16/2024. No qualification was required.

Volatile Organic Compounds (VOCs)

Holding Times and Preservation

Samples must be extracted and/or analyzed within method-specific holding times and meet the preservation requirements listed in the following table.

Method	Matrix	Holding Time	Preservation
VOCs by EPA TO-15	Air	30 days from collection to analysis	Return canister pressure < -1" Hg

- All samples were received with proper vacuum and holding times were achieved for all analyses.

Blanks

Quality assurance (QA) blanks (i.e., method, trip, field, or rinse blanks) are prepared to identify and measure contamination which may have been introduced into samples during sample preparation or field sampling procedures.

- All method blanks were free of contamination. The canister certification for canister cleaning job 410-186273-1 had a detection of Benzene (0.35J ppbv, 1.12 ug/m³), below the reporting limit. Sample detections associated with this canister cleaning job less than the reporting limit are qualified non-detect, U, at the reporting limit, reason code 2. Associated sample non-detections are not qualified.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Samples

The LCS (and LCSD) and is used to assess the accuracy and precision of the analytical method independent of sample matrix. Percent recoveries and relative percent differences (RPDs) must be within laboratory-established acceptance limits.

- LCS and or LCSD analysis exhibited acceptable recoveries and RPDs except for Hexane and Vinyl Chloride associated with analytical batch 10-589148/5. However, these analytes were not reported from this analysis and therefore no qualification was required.

Field Duplicate Accuracy

The field duplicate analysis is employed to measure precision in both the field and laboratory. The relative percent difference (RPD) is measured between parent and duplicate sample results. When both results are greater than or equal to five times the reporting limit (RL), a control limit of 30% relative percent difference (RPD) is applied for water samples and 50% RPD for soil samples. When parent and/or duplicate sample results are less than five times the RL, the absolute difference between the two results is compared to two times the RL for water samples and four times the RL for soil samples.

- Field duplicates were not included in this SDG.

Internal Standard Areas

Internal standards are used to monitor instrument performance and ensure instrument sensitivity and response are stable during sample analysis. The internal standard area count must within a (50-200%) range of the associated standard. The retention time of the internal standard must not vary by more than ± 10 seconds from the associated continuing calibration standard.

- All samples exhibited acceptable internal standard values and retention times.

Initial Calibration

The initial calibration curve is developed by plotting instrument response of analytes versus the known concentrations of analyte standards, and linearity ensures the instrument can produce quantitative data. The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds. A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. The RRF control limit is (0.05) or (0.01) for poor responding compounds.

- All recoveries and/or correlation coefficient criteria were met.

Continuing Calibration

The continuing calibration is used to assess calibration drift. A maximum percent difference (%D) of 20% is allowed. The RRF control limit is (0.05) or (0.01) for poor responding compounds.

- ICVs and CCVs were within the specified control limits.

Compound Quantitation and Identification

GC/MS analysis utilizes retention time and mass spectra criteria to identify detected results.

- Identified compounds met the specified criteria.
- All sample detections detected above the MDL and below the RL are appropriately qualified as estimated, J, by the laboratory, reason code T.

System Performance and Overall Assessment

Instrument performance indicators were evaluated, and overall analytical integrity was assessed.

- Mass Spectrometer tuning criteria was within control limits.
- Overall system performance was acceptable.

Please contact the undersigned if you have any questions or need further information.

Signed: 

Dated: January 16, 2025

Peer Review: CJS

Jeffrey L. Davin
Senior Validator
Brown and Caldwell

Data Qualifiers

- J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.
- U = The analyte was analyzed for but was not detected above the method detection limit.
- R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

Reason Codes

- 1 Holding time violation
- 2 Method blank contamination
- 3 Surrogate recovery
- 4 MS/MSD recovery
- 5 MS/MSD precision outside limits
- 6 LCS recovery
- 7 Field blank contamination
- 8 Field duplicate precision outside limits
- 9 Other deficiencies (including cooler temperature)
- A Absence of supporting QC
- S ICV, CCV or column performance check problem
- Y Initial and continuing calibration blank problem
- M Interference check samples problem
- O Post digestion spike outside of 85-115%
- F MSA correlation coefficient <0.995, or MSA not done
- G Serial dilution problem
- K DFTPP or BFB tuning problem
- Q Initial calibration problem
- X Internal standard recovery problem
- V Second source standard calibration verification problem
- L Low bias
- Z Retention time problem
- N Counting time error (radionuclide chemistry)
- W Detector instability (radionuclide chemistry)
- C Co-elution of compounds
- E Value exceeds linear calibration range
- I Interferences present during analysis
- T Trace level compound, poor quantitation
- P 1C/2C precision outside limits
- B LCS/LCSD precision outside limits
- D Lab Dup/Rep precision outside limits
- H High bias

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Brian F Taylor
Brown and Caldwell
3 Marcus Blvd
Suite 106
Albany, New York 12205

Generated 12/23/2024 5:04:27 PM

JOB DESCRIPTION

Bartlett Tree Site, NY

JOB NUMBER

410-200757-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Barbara Weyandt, Project Manager
Barbara.Weyandt@et.eurofinsus.com
(717)556-7264

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Barb Weyandt

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Definitions/Glossary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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

Case Narrative

Client: Brown and Caldwell
Project: Bartlett Tree Site, NY

Job ID: 410-200757-1

Job ID: 410-200757-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-200757-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 12/13/2024 5:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions

The COC was missing the stop times. It was also not on the summa tags. Last time these were 8 hr composites for the same IDs, so it was assumed this was also an 8 hr composite.

UPDATE: Client provided stop times on 12/16

IA-1-20241212 end time : 1340

AA-1-20241212 end time: 1343

SV-1-20241212 end time: 1345

SV-1-20241212 (410-200757-1), IA-1-20241212 (410-200757-2) and AA-1-20241212 (410-200757-3)

Air - GC/MS VOA

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

Detection Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: SV-1-20241212

Lab Sample ID: 410-200757-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.4		5.5	0.65	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	12		9.8	1.4	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	6.0	J	9.8	1.6	ug/m3	1		TO-15	Total/NA
2-Butanone	4.3		2.9	0.62	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	1.8	J	4.9	0.88	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone	1.7	J	4.1	0.61	ug/m3	1		TO-15	Total/NA
Acetone	23		12	2.4	ug/m3	1		TO-15	Total/NA
Benzene	1.3	J	3.2	0.35	ug/m3	1		TO-15	Total/NA
Chloroform	4.6	J	4.9	0.45	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	4.7	J	4.9	0.64	ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.2	J	4.3	0.83	ug/m3	1		TO-15	Total/NA
Heptane	1.4	J	4.1	0.94	ug/m3	1		TO-15	Total/NA
Hexane	1.6	J	3.5	1.1	ug/m3	1		TO-15	Total/NA
m&p-Xylene	9.3		4.3	1.1	ug/m3	1		TO-15	Total/NA
Cyclohexane	2.2	J	3.4	0.69	ug/m3	1		TO-15	Total/NA
o-Xylene	4.6		4.3	0.83	ug/m3	1		TO-15	Total/NA
Octane	2.4	J	9.3	1.9	ug/m3	1		TO-15	Total/NA
Pentane	3.0		3.0	0.59	ug/m3	1		TO-15	Total/NA
Toluene	6.3		3.8	1.5	ug/m3	1		TO-15	Total/NA
Trichloroethene	4.7	J	5.4	0.97	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.3	J	5.6	0.84	ug/m3	1		TO-15	Total/NA
Tetrachloroethene - DL	680		27	3.4	ug/m3	2		TO-15	Total/NA

Client Sample ID: IA-1-20241212

Lab Sample ID: 410-200757-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	20		9.8	1.4	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	5.1	J	9.8	1.6	ug/m3	1		TO-15	Total/NA
2-Butanone	3.6		2.9	0.62	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	4.5	J	4.9	0.88	ug/m3	1		TO-15	Total/NA
Acetone	24		12	2.4	ug/m3	1		TO-15	Total/NA
Benzene	6.1		3.2	0.35	ug/m3	1		TO-15	Total/NA
Cumene	2.2	J	4.9	1.2	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.4	J	4.9	0.64	ug/m3	1		TO-15	Total/NA
Ethylbenzene	11		4.3	0.83	ug/m3	1		TO-15	Total/NA
Heptane	7.8		4.1	0.94	ug/m3	1		TO-15	Total/NA
Hexane	16		3.5	1.1	ug/m3	1		TO-15	Total/NA
Isooctane	11		4.7	1.9	ug/m3	1		TO-15	Total/NA
m&p-Xylene	40		4.3	1.1	ug/m3	1		TO-15	Total/NA
Cyclohexane	7.0		3.4	0.69	ug/m3	1		TO-15	Total/NA
Methylene Chloride	1.2	J	6.9	0.87	ug/m3	1		TO-15	Total/NA
o-Xylene	17		4.3	0.83	ug/m3	1		TO-15	Total/NA
Octane	4.6	J	9.3	1.9	ug/m3	1		TO-15	Total/NA
Pentane	24		3.0	0.59	ug/m3	1		TO-15	Total/NA
Styrene	3.1	J	4.3	0.85	ug/m3	1		TO-15	Total/NA
Toluene	39		3.8	1.5	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1	J	5.6	0.84	ug/m3	1		TO-15	Total/NA
Naphthalene	13		10	5.2	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: AA-1-20241212 Lab Sample ID: 410-200757-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.0	J	12	2.4	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.2	J	4.9	0.64	ug/m3	1		TO-15	Total/NA
Pentane	0.88	J	3.0	0.59	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	0.97	J	5.6	0.84	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: SV-1-20241212

Lab Sample ID: 410-200757-1

Date Collected: 12/12/24 13:40

Matrix: Air

Date Received: 12/13/24 17:40

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 19:41	1
1,1,1-Trichloroethane	9.4		5.5	0.65	ug/m3			12/20/24 19:41	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 19:41	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 19:41	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/20/24 19:41	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/20/24 19:41	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/20/24 19:41	1
1,2,4-Trimethylbenzene	12		9.8	1.4	ug/m3			12/20/24 19:41	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/20/24 19:41	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/20/24 19:41	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/20/24 19:41	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/20/24 19:41	1
1,3,5-Trimethylbenzene	6.0	J	9.8	1.6	ug/m3			12/20/24 19:41	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/20/24 19:41	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 19:41	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 19:41	1
2-Butanone	4.3		2.9	0.62	ug/m3			12/20/24 19:41	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/20/24 19:41	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/20/24 19:41	1
4-Ethyltoluene	1.8	J	4.9	0.88	ug/m3			12/20/24 19:41	1
4-Methyl-2-pentanone	1.7	J	4.1	0.61	ug/m3			12/20/24 19:41	1
Acetone	23		12	2.4	ug/m3			12/20/24 19:41	1
Benzene	3.2	~~1.3~~ J U,RC:2	3.2	0.35	ug/m3			12/20/24 19:41	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/20/24 19:41	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/20/24 19:41	1
Bromoform	ND		10	4.1	ug/m3			12/20/24 19:41	1
Bromomethane	ND		3.9	0.78	ug/m3			12/20/24 19:41	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/20/24 19:41	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/20/24 19:41	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/20/24 19:41	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/20/24 19:41	1
Chloroethane	ND		2.6	0.79	ug/m3			12/20/24 19:41	1
Chloroform	4.6	J	4.9	0.45	ug/m3			12/20/24 19:41	1
Chloromethane	ND		2.1	0.83	ug/m3			12/20/24 19:41	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 19:41	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/20/24 19:41	1
Cumene	ND		4.9	1.2	ug/m3			12/20/24 19:41	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/20/24 19:41	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/20/24 19:41	1
Dichlorodifluoromethane	4.7	J	4.9	0.64	ug/m3			12/20/24 19:41	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/20/24 19:41	1
Ethylbenzene	2.2	J	4.3	0.83	ug/m3			12/20/24 19:41	1
Freon 113	ND		7.7	1.5	ug/m3			12/20/24 19:41	1
Freon-114	ND		7.0	0.84	ug/m3			12/20/24 19:41	1
Heptane	1.4	J	4.1	0.94	ug/m3			12/20/24 19:41	1
Hexachloroethane	ND		19	2.6	ug/m3			12/20/24 19:41	1
Hexane	1.6	J	3.5	1.1	ug/m3			12/20/24 19:41	1
Isooctane	ND		4.7	1.9	ug/m3			12/20/24 19:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: SV-1-20241212

Lab Sample ID: 410-200757-1

Date Collected: 12/12/24 13:40

Matrix: Air

Date Received: 12/13/24 17:40

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	9.3		4.3	1.1	ug/m3			12/20/24 19:41	1
Cyclohexane	2.2	J	3.4	0.69	ug/m3			12/20/24 19:41	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/20/24 19:41	1
Methylene Chloride	ND		6.9	0.87	ug/m3			12/20/24 19:41	1
o-Xylene	4.6		4.3	0.83	ug/m3			12/20/24 19:41	1
Octane	2.4	J	9.3	1.9	ug/m3			12/20/24 19:41	1
Pentane	3.0		3.0	0.59	ug/m3			12/20/24 19:41	1
Styrene	ND		4.3	0.85	ug/m3			12/20/24 19:41	1
Toluene	6.3		3.8	1.5	ug/m3			12/20/24 19:41	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 19:41	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/20/24 19:41	1
Trichloroethene	4.7	J	5.4	0.97	ug/m3			12/20/24 19:41	1
Trichlorofluoromethane	2.3	J	5.6	0.84	ug/m3			12/20/24 19:41	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/20/24 19:41	1
Naphthalene	ND		10	5.2	ug/m3			12/20/24 19:41	1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	680		27	3.4	ug/m3			12/22/24 15:59	2

Client Sample ID: IA-1-20241212

Lab Sample ID: 410-200757-2

Date Collected: 12/12/24 13:43

Matrix: Air

Date Received: 12/13/24 17:40

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 20:31	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 20:31	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 20:31	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 20:31	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/20/24 20:31	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/20/24 20:31	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/20/24 20:31	1
1,2,4-Trimethylbenzene	20		9.8	1.4	ug/m3			12/20/24 20:31	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/20/24 20:31	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/20/24 20:31	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/20/24 20:31	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/20/24 20:31	1
1,3,5-Trimethylbenzene	5.1	J	9.8	1.6	ug/m3			12/20/24 20:31	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/20/24 20:31	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 20:31	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 20:31	1
2-Butanone	3.6		2.9	0.62	ug/m3			12/20/24 20:31	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/20/24 20:31	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/20/24 20:31	1
4-Ethyltoluene	4.5	J	4.9	0.88	ug/m3			12/20/24 20:31	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/20/24 20:31	1
Acetone	24		12	2.4	ug/m3			12/20/24 20:31	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: IA-1-20241212

Lab Sample ID: 410-200757-2

Date Collected: 12/12/24 13:43

Matrix: Air

Date Received: 12/13/24 17:40

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.1		3.2	0.35	ug/m3			12/20/24 20:31	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/20/24 20:31	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/20/24 20:31	1
Bromoform	ND		10	4.1	ug/m3			12/20/24 20:31	1
Bromomethane	ND		3.9	0.78	ug/m3			12/20/24 20:31	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/20/24 20:31	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/20/24 20:31	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/20/24 20:31	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/20/24 20:31	1
Chloroethane	ND		2.6	0.79	ug/m3			12/20/24 20:31	1
Chloroform	ND		4.9	0.45	ug/m3			12/20/24 20:31	1
Chloromethane	ND		2.1	0.83	ug/m3			12/20/24 20:31	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 20:31	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/20/24 20:31	1
Cumene	2.2 J		4.9	1.2	ug/m3			12/20/24 20:31	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/20/24 20:31	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/20/24 20:31	1
Dichlorodifluoromethane	2.4 J		4.9	0.64	ug/m3			12/20/24 20:31	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/20/24 20:31	1
Ethylbenzene	11		4.3	0.83	ug/m3			12/20/24 20:31	1
Freon 113	ND		7.7	1.5	ug/m3			12/20/24 20:31	1
Freon-114	ND		7.0	0.84	ug/m3			12/20/24 20:31	1
Heptane	7.8		4.1	0.94	ug/m3			12/20/24 20:31	1
Hexachloroethane	ND		19	2.6	ug/m3			12/20/24 20:31	1
Hexane	16		3.5	1.1	ug/m3			12/20/24 20:31	1
Isooctane	11		4.7	1.9	ug/m3			12/20/24 20:31	1
m&p-Xylene	40		4.3	1.1	ug/m3			12/20/24 20:31	1
Cyclohexane	7.0		3.4	0.69	ug/m3			12/20/24 20:31	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/20/24 20:31	1
Methylene Chloride	1.2 J		6.9	0.87	ug/m3			12/20/24 20:31	1
o-Xylene	17		4.3	0.83	ug/m3			12/20/24 20:31	1
Octane	4.6 J		9.3	1.9	ug/m3			12/20/24 20:31	1
Pentane	24		3.0	0.59	ug/m3			12/20/24 20:31	1
Styrene	3.1 J		4.3	0.85	ug/m3			12/20/24 20:31	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/20/24 20:31	1
Toluene	39		3.8	1.5	ug/m3			12/20/24 20:31	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 20:31	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/20/24 20:31	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/20/24 20:31	1
Trichlorofluoromethane	1.1 J		5.6	0.84	ug/m3			12/20/24 20:31	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/20/24 20:31	1
Naphthalene	13		10	5.2	ug/m3			12/20/24 20:31	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: AA-1-20241212

Lab Sample ID: 410-200757-3

Date Collected: 12/12/24 13:45

Matrix: Air

Date Received: 12/13/24 17:40

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 21:01	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 21:01	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 21:01	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 21:01	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/20/24 21:01	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/20/24 21:01	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/20/24 21:01	1
1,2,4-Trimethylbenzene	ND		9.8	1.4	ug/m3			12/20/24 21:01	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/20/24 21:01	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/20/24 21:01	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/20/24 21:01	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/20/24 21:01	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/20/24 21:01	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/20/24 21:01	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 21:01	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 21:01	1
2-Butanone	ND		2.9	0.62	ug/m3			12/20/24 21:01	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/20/24 21:01	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/20/24 21:01	1
4-Ethyltoluene	ND		4.9	0.88	ug/m3			12/20/24 21:01	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/20/24 21:01	1
Acetone	6.0	J	12	2.4	ug/m3			12/20/24 21:01	1
Benzene	ND		3.2	0.35	ug/m3			12/20/24 21:01	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/20/24 21:01	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/20/24 21:01	1
Bromoform	ND		10	4.1	ug/m3			12/20/24 21:01	1
Bromomethane	ND		3.9	0.78	ug/m3			12/20/24 21:01	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/20/24 21:01	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/20/24 21:01	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/20/24 21:01	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/20/24 21:01	1
Chloroethane	ND		2.6	0.79	ug/m3			12/20/24 21:01	1
Chloroform	ND		4.9	0.45	ug/m3			12/20/24 21:01	1
Chloromethane	ND		2.1	0.83	ug/m3			12/20/24 21:01	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 21:01	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/20/24 21:01	1
Cumene	ND		4.9	1.2	ug/m3			12/20/24 21:01	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/20/24 21:01	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/20/24 21:01	1
Dichlorodifluoromethane	2.2	J	4.9	0.64	ug/m3			12/20/24 21:01	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/20/24 21:01	1
Ethylbenzene	ND		4.3	0.83	ug/m3			12/20/24 21:01	1
Freon 113	ND		7.7	1.5	ug/m3			12/20/24 21:01	1
Freon-114	ND		7.0	0.84	ug/m3			12/20/24 21:01	1
Heptane	ND		4.1	0.94	ug/m3			12/20/24 21:01	1
Hexachloroethane	ND		19	2.6	ug/m3			12/20/24 21:01	1
Hexane	ND		3.5	1.1	ug/m3			12/20/24 21:01	1
Isooctane	ND		4.7	1.9	ug/m3			12/20/24 21:01	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: AA-1-20241212

Lab Sample ID: 410-200757-3

Date Collected: 12/12/24 13:45

Matrix: Air

Date Received: 12/13/24 17:40

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		4.3	1.1	ug/m3			12/20/24 21:01	1
Cyclohexane	ND		3.4	0.69	ug/m3			12/20/24 21:01	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/20/24 21:01	1
Methylene Chloride	ND		6.9	0.87	ug/m3			12/20/24 21:01	1
o-Xylene	ND		4.3	0.83	ug/m3			12/20/24 21:01	1
Octane	ND		9.3	1.9	ug/m3			12/20/24 21:01	1
Pentane	0.88	J	3.0	0.59	ug/m3			12/20/24 21:01	1
Styrene	ND		4.3	0.85	ug/m3			12/20/24 21:01	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/20/24 21:01	1
Toluene	ND		3.8	1.5	ug/m3			12/20/24 21:01	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 21:01	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/20/24 21:01	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/20/24 21:01	1
Trichlorofluoromethane	0.97	J	5.6	0.84	ug/m3			12/20/24 21:01	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/20/24 21:01	1
Naphthalene	ND		10	5.2	ug/m3			12/20/24 21:01	1

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 410-588683/8

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 14:26	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 14:26	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 14:26	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 14:26	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/20/24 14:26	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/20/24 14:26	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/20/24 14:26	1
1,2,4-Trimethylbenzene	ND		9.8	1.4	ug/m3			12/20/24 14:26	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/20/24 14:26	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/20/24 14:26	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/20/24 14:26	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/20/24 14:26	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/20/24 14:26	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/20/24 14:26	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 14:26	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 14:26	1
2-Butanone	ND		2.9	0.62	ug/m3			12/20/24 14:26	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/20/24 14:26	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/20/24 14:26	1
4-Ethyltoluene	ND		4.9	0.88	ug/m3			12/20/24 14:26	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/20/24 14:26	1
Acetone	ND		12	2.4	ug/m3			12/20/24 14:26	1
Benzene	ND		3.2	0.35	ug/m3			12/20/24 14:26	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/20/24 14:26	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/20/24 14:26	1
Bromoform	ND		10	4.1	ug/m3			12/20/24 14:26	1
Bromomethane	ND		3.9	0.78	ug/m3			12/20/24 14:26	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/20/24 14:26	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/20/24 14:26	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/20/24 14:26	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/20/24 14:26	1
Chloroethane	ND		2.6	0.79	ug/m3			12/20/24 14:26	1
Chloroform	ND		4.9	0.45	ug/m3			12/20/24 14:26	1
Chloromethane	ND		2.1	0.83	ug/m3			12/20/24 14:26	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 14:26	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/20/24 14:26	1
Cumene	ND		4.9	1.2	ug/m3			12/20/24 14:26	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/20/24 14:26	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/20/24 14:26	1
Dichlorodifluoromethane	ND		4.9	0.64	ug/m3			12/20/24 14:26	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/20/24 14:26	1
Ethylbenzene	ND		4.3	0.83	ug/m3			12/20/24 14:26	1
Freon 113	ND		7.7	1.5	ug/m3			12/20/24 14:26	1
Freon-114	ND		7.0	0.84	ug/m3			12/20/24 14:26	1
Heptane	ND		4.1	0.94	ug/m3			12/20/24 14:26	1
Hexachloroethane	ND		19	2.6	ug/m3			12/20/24 14:26	1
Hexane	ND		3.5	1.1	ug/m3			12/20/24 14:26	1
Isooctane	ND		4.7	1.9	ug/m3			12/20/24 14:26	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 410-588683/8

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
m&p-Xylene	ND		4.3	1.1	ug/m3			12/20/24 14:26	1
Cyclohexane	ND		3.4	0.69	ug/m3			12/20/24 14:26	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/20/24 14:26	1
Methylene Chloride	ND		6.9	0.87	ug/m3			12/20/24 14:26	1
o-Xylene	ND		4.3	0.83	ug/m3			12/20/24 14:26	1
Octane	ND		9.3	1.9	ug/m3			12/20/24 14:26	1
Pentane	ND		3.0	0.59	ug/m3			12/20/24 14:26	1
Styrene	ND		4.3	0.85	ug/m3			12/20/24 14:26	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/20/24 14:26	1
Toluene	ND		3.8	1.5	ug/m3			12/20/24 14:26	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 14:26	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/20/24 14:26	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/20/24 14:26	1
Trichlorofluoromethane	ND		5.6	0.84	ug/m3			12/20/24 14:26	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/20/24 14:26	1
Naphthalene	ND		10	5.2	ug/m3			12/20/24 14:26	1

Lab Sample ID: LCS 410-588683/5

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	68.6	66.1		ug/m3		96	70 - 133
1,1,1-Trichloroethane	54.6	56.4		ug/m3		103	70 - 130
1,1,2,2-Tetrachloroethane	68.7	65.2		ug/m3		95	61 - 130
1,1,2-Trichloroethane	54.6	53.1		ug/m3		97	70 - 130
1,1-Dichloroethane	40.5	41.9		ug/m3		104	70 - 130
1,1-Dichloroethene	39.6	41.1		ug/m3		104	70 - 131
1,2,3-Trichloropropane	60.3	60.5		ug/m3		100	70 - 130
1,2,4-Trimethylbenzene	49.2	52.5		ug/m3		107	65 - 146
1,2-Dibromoethane	76.8	75.0		ug/m3		98	70 - 130
1,2-Dichlorobenzene	60.1	59.0		ug/m3		98	61 - 139
1,2-Dichloroethane	40.5	38.4		ug/m3		95	70 - 131
1,2-Dichloropropane	46.2	46.2		ug/m3		100	70 - 130
1,3,5-Trimethylbenzene	49.2	51.2		ug/m3		104	69 - 141
1,3-Butadiene	22.1	22.3		ug/m3		101	70 - 131
1,3-Dichlorobenzene	60.1	58.9		ug/m3		98	64 - 140
1,4-Dichlorobenzene	60.1	59.4		ug/m3		99	64 - 137
2-Butanone	29.5	32.1		ug/m3		109	70 - 130
2-Hexanone	41.0	33.3		ug/m3		81	63 - 130
3-Chloroprene	31.3	32.0		ug/m3		102	70 - 137
4-Ethyltoluene	49.2	50.6		ug/m3		103	69 - 139
4-Methyl-2-pentanone	41.0	34.0		ug/m3		83	68 - 133
Acetone	23.8	24.5		ug/m3		103	70 - 137
Benzene	31.9	31.8		ug/m3		99	70 - 130
Bromobenzene	64.2	60.1		ug/m3		94	70 - 130
Bromodichloromethane	67.0	62.1		ug/m3		93	70 - 130
Bromoform	103	93.1		ug/m3		90	60 - 139
Bromomethane	38.8	44.4		ug/m3		114	70 - 134

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 410-588683/5

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	31.1	31.6		ug/m3		101	70 - 130
Carbon tetrachloride	62.9	63.2		ug/m3		100	70 - 130
Chlorobenzene	46.0	42.9		ug/m3		93	70 - 130
Chlorodifluoromethane	35.4	36.1		ug/m3		102	70 - 141
Chloroethane	26.4	28.9		ug/m3		109	70 - 131
Chloroform	48.8	48.3		ug/m3		99	70 - 130
Chloromethane	20.7	20.3		ug/m3		98	51 - 138
cis-1,2-Dichloroethene	39.6	41.2		ug/m3		104	70 - 130
cis-1,3-Dichloropropene	45.4	41.5		ug/m3		91	70 - 130
Cumene	49.2	51.7		ug/m3		105	70 - 131
Dibromochloromethane	85.2	80.2		ug/m3		94	70 - 130
Dibromomethane	71.1	66.2		ug/m3		93	70 - 130
Dichlorodifluoromethane	49.5	50.1		ug/m3		101	70 - 131
Dichlorofluoromethane	42.1	46.5		ug/m3		111	70 - 136
Ethylbenzene	43.4	43.2		ug/m3		99	70 - 130
Freon 113	76.6	81.3		ug/m3		106	70 - 130
Freon-114	69.9	73.0		ug/m3		104	70 - 130
Heptane	41.0	39.4		ug/m3		96	70 - 130
Hexachloroethane	96.8	88.0		ug/m3		91	38 - 163
Hexane	35.2	40.3		ug/m3		114	70 - 130
Isooctane	46.7	43.3		ug/m3		93	70 - 130
m&p-Xylene	43.4	43.3		ug/m3		100	70 - 130
Cyclohexane	34.4	37.3		ug/m3		108	70 - 130
Methyl t-butyl ether	36.1	36.3		ug/m3		101	70 - 130
Methylene Chloride	34.7	38.3		ug/m3		110	70 - 130
o-Xylene	43.4	42.6		ug/m3		98	70 - 130
Octane	46.7	44.0		ug/m3		94	70 - 130
Pentane	29.5	29.2		ug/m3		99	58 - 130
Styrene	42.6	42.9		ug/m3		101	70 - 133
Tetrachloroethene	67.8	65.0		ug/m3		96	70 - 130
Toluene	37.7	36.7		ug/m3		97	70 - 130
trans-1,2-Dichloroethene	39.6	40.4		ug/m3		102	70 - 130
trans-1,3-Dichloropropene	45.4	43.7		ug/m3		96	70 - 130
Trichloroethene	53.7	51.4		ug/m3		96	70 - 130
Trichlorofluoromethane	56.2	56.6		ug/m3		101	70 - 130
Vinyl chloride	25.6	28.0		ug/m3		109	70 - 135
Naphthalene	59.2	51.9		ug/m3		88	33 - 149

Lab Sample ID: LCSD 410-588683/6

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	68.6	63.9		ug/m3		93	70 - 133	3	25
1,1,1-Trichloroethane	54.6	56.4		ug/m3		103	70 - 130	0	25
1,1,2,2-Tetrachloroethane	68.7	63.5		ug/m3		92	61 - 130	3	25
1,1,2-Trichloroethane	54.6	51.7		ug/m3		95	70 - 130	3	25
1,1-Dichloroethane	40.5	43.5		ug/m3		108	70 - 130	4	25
1,1-Dichloroethene	39.6	42.1		ug/m3		106	70 - 131	2	25

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 410-588683/6

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,3-Trichloropropane	60.3	60.0		ug/m3		99	70 - 130	1	25
1,2,4-Trimethylbenzene	49.2	52.4		ug/m3		107	65 - 146	0	25
1,2-Dibromoethane	76.8	75.7		ug/m3		99	70 - 130	1	25
1,2-Dichlorobenzene	60.1	58.0		ug/m3		96	61 - 139	2	25
1,2-Dichloroethane	40.5	39.7		ug/m3		98	70 - 131	3	25
1,2-Dichloropropane	46.2	46.5		ug/m3		101	70 - 130	1	25
1,3,5-Trimethylbenzene	49.2	50.9		ug/m3		104	69 - 141	1	25
1,3-Butadiene	22.1	22.5		ug/m3		102	70 - 131	1	25
1,3-Dichlorobenzene	60.1	58.1		ug/m3		97	64 - 140	1	25
1,4-Dichlorobenzene	60.1	58.5		ug/m3		97	64 - 137	2	25
2-Butanone	29.5	33.8		ug/m3		114	70 - 130	5	25
2-Hexanone	41.0	32.6		ug/m3		79	63 - 130	2	25
3-Chloroprene	31.3	32.0		ug/m3		102	70 - 137	0	25
4-Ethyltoluene	49.2	51.5		ug/m3		105	69 - 139	2	25
4-Methyl-2-pentanone	41.0	35.1		ug/m3		86	68 - 133	3	25
Acetone	23.8	24.9		ug/m3		105	70 - 137	2	25
Benzene	31.9	32.2		ug/m3		101	70 - 130	1	25
Bromobenzene	64.2	61.0		ug/m3		95	70 - 130	2	25
Bromodichloromethane	67.0	62.4		ug/m3		93	70 - 130	0	25
Bromoform	103	93.7		ug/m3		91	60 - 139	1	25
Bromomethane	38.8	44.4		ug/m3		114	70 - 134	0	25
Carbon disulfide	31.1	33.0		ug/m3		106	70 - 130	4	25
Carbon tetrachloride	62.9	65.1		ug/m3		103	70 - 130	3	25
Chlorobenzene	46.0	43.2		ug/m3		94	70 - 130	1	25
Chlorodifluoromethane	35.4	37.8		ug/m3		107	70 - 141	4	25
Chloroethane	26.4	29.8		ug/m3		113	70 - 131	3	25
Chloroform	48.8	50.0		ug/m3		102	70 - 130	4	25
Chloromethane	20.7	20.6		ug/m3		100	51 - 138	1	25
cis-1,2-Dichloroethene	39.6	40.6		ug/m3		102	70 - 130	1	25
cis-1,3-Dichloropropene	45.4	42.9		ug/m3		94	70 - 130	3	25
Cumene	49.2	51.1		ug/m3		104	70 - 131	1	25
Dibromochloromethane	85.2	80.2		ug/m3		94	70 - 130	0	25
Dibromomethane	71.1	69.1		ug/m3		97	70 - 130	4	25
Dichlorodifluoromethane	49.5	52.1		ug/m3		105	70 - 131	4	25
Dichlorofluoromethane	42.1	46.8		ug/m3		111	70 - 136	1	25
Ethylbenzene	43.4	42.4		ug/m3		98	70 - 130	2	25
Freon 113	76.6	81.0		ug/m3		106	70 - 130	0	25
Freon-114	69.9	73.0		ug/m3		104	70 - 130	0	25
Heptane	41.0	40.9		ug/m3		100	70 - 130	4	25
Hexachloroethane	96.8	85.2		ug/m3		88	38 - 163	3	25
Hexane	35.2	39.4		ug/m3		112	70 - 130	2	25
Isooctane	46.7	44.2		ug/m3		95	70 - 130	2	25
m&p-Xylene	43.4	42.9		ug/m3		99	70 - 130	1	25
Cyclohexane	34.4	37.6		ug/m3		109	70 - 130	1	25
Methyl t-butyl ether	36.1	37.9		ug/m3		105	70 - 130	4	25
Methylene Chloride	34.7	38.6		ug/m3		111	70 - 130	1	25
o-Xylene	43.4	42.8		ug/m3		99	70 - 130	1	25
Octane	46.7	45.1		ug/m3		96	70 - 130	2	25
Pentane	29.5	29.2		ug/m3		99	58 - 130	0	25

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 410-588683/6

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Styrene	42.6	41.9		ug/m3		98	70 - 133	2	25
Tetrachloroethene	67.8	64.9		ug/m3		96	70 - 130	0	25
Toluene	37.7	36.5		ug/m3		97	70 - 130	1	25
trans-1,2-Dichloroethene	39.6	41.8		ug/m3		105	70 - 130	3	25
trans-1,3-Dichloropropene	45.4	45.0		ug/m3		99	70 - 130	3	25
Trichloroethene	53.7	52.4		ug/m3		97	70 - 130	2	25
Trichlorofluoromethane	56.2	58.3		ug/m3		104	70 - 130	3	25
Vinyl chloride	25.6	28.8		ug/m3		113	70 - 135	3	25
Naphthalene	59.2	52.9		ug/m3		89	33 - 149	2	25

Lab Sample ID: MB 410-589148/8

Matrix: Air

Analysis Batch: 589148

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/22/24 11:54	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/22/24 11:54	1
1,1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/22/24 11:54	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/22/24 11:54	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/22/24 11:54	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/22/24 11:54	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/22/24 11:54	1
1,2,4-Trimethylbenzene	ND		9.8	1.4	ug/m3			12/22/24 11:54	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/22/24 11:54	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/22/24 11:54	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/22/24 11:54	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/22/24 11:54	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/22/24 11:54	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/22/24 11:54	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/22/24 11:54	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/22/24 11:54	1
2-Butanone	ND		2.9	0.62	ug/m3			12/22/24 11:54	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/22/24 11:54	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/22/24 11:54	1
4-Ethyltoluene	ND		4.9	0.88	ug/m3			12/22/24 11:54	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/22/24 11:54	1
Acetone	ND		12	2.4	ug/m3			12/22/24 11:54	1
Benzene	ND		3.2	0.35	ug/m3			12/22/24 11:54	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/22/24 11:54	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/22/24 11:54	1
Bromoform	ND		10	4.1	ug/m3			12/22/24 11:54	1
Bromomethane	ND		3.9	0.78	ug/m3			12/22/24 11:54	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/22/24 11:54	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/22/24 11:54	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/22/24 11:54	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/22/24 11:54	1
Chloroethane	ND		2.6	0.79	ug/m3			12/22/24 11:54	1
Chloroform	ND		4.9	0.45	ug/m3			12/22/24 11:54	1
Chloromethane	ND		2.1	0.83	ug/m3			12/22/24 11:54	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 410-589148/8

Matrix: Air

Analysis Batch: 589148

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		4.0	0.79	ug/m3			12/22/24 11:54	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/22/24 11:54	1
Cumene	ND		4.9	1.2	ug/m3			12/22/24 11:54	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/22/24 11:54	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/22/24 11:54	1
Dichlorodifluoromethane	ND		4.9	0.64	ug/m3			12/22/24 11:54	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/22/24 11:54	1
Ethylbenzene	ND		4.3	0.83	ug/m3			12/22/24 11:54	1
Freon 113	ND		7.7	1.5	ug/m3			12/22/24 11:54	1
Freon-114	ND		7.0	0.84	ug/m3			12/22/24 11:54	1
Heptane	ND		4.1	0.94	ug/m3			12/22/24 11:54	1
Hexachloroethane	ND		19	2.6	ug/m3			12/22/24 11:54	1
Hexane	ND		3.5	1.1	ug/m3			12/22/24 11:54	1
Isooctane	ND		4.7	1.9	ug/m3			12/22/24 11:54	1
m&p-Xylene	ND		4.3	1.1	ug/m3			12/22/24 11:54	1
Cyclohexane	ND		3.4	0.69	ug/m3			12/22/24 11:54	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/22/24 11:54	1
Methylene Chloride	ND		6.9	0.87	ug/m3			12/22/24 11:54	1
o-Xylene	ND		4.3	0.83	ug/m3			12/22/24 11:54	1
Octane	ND		9.3	1.9	ug/m3			12/22/24 11:54	1
Pentane	ND		3.0	0.59	ug/m3			12/22/24 11:54	1
Styrene	ND		4.3	0.85	ug/m3			12/22/24 11:54	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/22/24 11:54	1
Toluene	ND		3.8	1.5	ug/m3			12/22/24 11:54	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/22/24 11:54	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/22/24 11:54	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/22/24 11:54	1
Trichlorofluoromethane	ND		5.6	0.84	ug/m3			12/22/24 11:54	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/22/24 11:54	1
Napthalene	ND		10	5.2	ug/m3			12/22/24 11:54	1

Lab Sample ID: LCS 410-589148/5

Matrix: Air

Analysis Batch: 589148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	68.6	68.2		ug/m3		99	70 - 133
1,1,1-Trichloroethane	54.6	66.7		ug/m3		122	70 - 130
1,1,1,2,2-Tetrachloroethane	68.7	67.1		ug/m3		98	61 - 130
1,1,2-Trichloroethane	54.6	57.1		ug/m3		105	70 - 130
1,1-Dichloroethane	40.5	48.7		ug/m3		120	70 - 130
1,1-Dichloroethene	39.6	48.8		ug/m3		123	70 - 131
1,2,3-Trichloropropane	60.3	63.5		ug/m3		105	70 - 130
1,2,4-Trimethylbenzene	49.2	56.2		ug/m3		114	65 - 146
1,2-Dibromoethane	76.8	80.7		ug/m3		105	70 - 130
1,2-Dichlorobenzene	60.1	59.5		ug/m3		99	61 - 139
1,2-Dichloroethane	40.5	44.0		ug/m3		109	70 - 131
1,2-Dichloropropane	46.2	52.0		ug/m3		113	70 - 130
1,3,5-Trimethylbenzene	49.2	55.6		ug/m3		113	69 - 141

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 410-589148/5

Matrix: Air

Analysis Batch: 589148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Butadiene	22.1	26.7		ug/m3		121	70 - 131
1,3-Dichlorobenzene	60.1	60.5		ug/m3		101	64 - 140
1,4-Dichlorobenzene	60.1	61.2		ug/m3		102	64 - 137
2-Butanone	29.5	37.5		ug/m3		127	70 - 130
2-Hexanone	41.0	37.7		ug/m3		92	63 - 130
3-Chloroprene	31.3	37.1		ug/m3		119	70 - 137
4-Ethyltoluene	49.2	55.8		ug/m3		113	69 - 139
4-Methyl-2-pentanone	41.0	37.4		ug/m3		91	68 - 133
Acetone	23.8	27.7		ug/m3		117	70 - 137
Benzene	31.9	34.9		ug/m3		109	70 - 130
Bromobenzene	64.2	65.2		ug/m3		102	70 - 130
Bromodichloromethane	67.0	66.3		ug/m3		99	70 - 130
Bromoform	103	88.0		ug/m3		85	60 - 139
Bromomethane	38.8	51.6		ug/m3		133	70 - 134
Carbon disulfide	31.1	37.3		ug/m3		120	70 - 130
Carbon tetrachloride	62.9	74.2		ug/m3		118	70 - 130
Chlorobenzene	46.0	46.4		ug/m3		101	70 - 130
Chlorodifluoromethane	35.4	45.0		ug/m3		127	70 - 141
Chloroethane	26.4	33.9		ug/m3		128	70 - 131
Chloroform	48.8	56.8		ug/m3		116	70 - 130
Chloromethane	20.7	25.8		ug/m3		125	51 - 138
cis-1,2-Dichloroethene	39.6	46.8		ug/m3		118	70 - 130
cis-1,3-Dichloropropene	45.4	44.8		ug/m3		99	70 - 130
Cumene	49.2	60.4		ug/m3		123	70 - 131
Dibromochloromethane	85.2	80.9		ug/m3		95	70 - 130
Dibromomethane	71.1	73.9		ug/m3		104	70 - 130
Dichlorodifluoromethane	49.5	62.9		ug/m3		127	70 - 131
Dichlorofluoromethane	42.1	54.5		ug/m3		130	70 - 136
Ethylbenzene	43.4	45.6		ug/m3		105	70 - 130
Freon 113	76.6	94.3		ug/m3		123	70 - 130
Freon-114	69.9	87.7		ug/m3		125	70 - 130
Heptane	41.0	45.1		ug/m3		110	70 - 130
Hexachloroethane	96.8	97.1		ug/m3		100	38 - 163
Hexane	35.2	46.3	*+	ug/m3		131	70 - 130
Isooctane	46.7	47.4		ug/m3		101	70 - 130
m&p-Xylene	43.4	45.1		ug/m3		104	70 - 130
Cyclohexane	34.4	43.4		ug/m3		126	70 - 130
Methyl t-butyl ether	36.1	42.3		ug/m3		117	70 - 130
Methylene Chloride	34.7	44.5		ug/m3		128	70 - 130
o-Xylene	43.4	45.9		ug/m3		106	70 - 130
Octane	46.7	49.4		ug/m3		106	70 - 130
Pentane	29.5	32.0		ug/m3		109	58 - 130
Styrene	42.6	42.7		ug/m3		100	70 - 133
Tetrachloroethene	67.8	70.0		ug/m3		103	70 - 130
Toluene	37.7	40.3		ug/m3		107	70 - 130
trans-1,2-Dichloroethene	39.6	47.9		ug/m3		121	70 - 130
trans-1,3-Dichloropropene	45.4	48.6		ug/m3		107	70 - 130
Trichloroethene	53.7	54.6		ug/m3		102	70 - 130
Trichlorofluoromethane	56.2	68.3		ug/m3		122	70 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 410-589148/5

Matrix: Air

Analysis Batch: 589148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	25.6	34.8	*+	ug/m3		136	70 - 135
Naphthalene	59.2	49.9		ug/m3		84	33 - 149

Lab Sample ID: LCSD 410-589148/6

Matrix: Air

Analysis Batch: 589148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	68.6	71.4		ug/m3		104	70 - 133	5	25
1,1,1-Trichloroethane	54.6	64.8		ug/m3		119	70 - 130	3	25
1,1,2,2-Tetrachloroethane	68.7	64.9		ug/m3		95	61 - 130	3	25
1,1,2-Trichloroethane	54.6	58.0		ug/m3		106	70 - 130	1	25
1,1-Dichloroethane	40.5	48.0		ug/m3		119	70 - 130	1	25
1,1-Dichloroethene	39.6	47.6		ug/m3		120	70 - 131	3	25
1,2,3-Trichloropropane	60.3	64.3		ug/m3		107	70 - 130	1	25
1,2,4-Trimethylbenzene	49.2	56.6		ug/m3		115	65 - 146	1	25
1,2-Dibromoethane	76.8	81.1		ug/m3		106	70 - 130	1	25
1,2-Dichlorobenzene	60.1	59.0		ug/m3		98	61 - 139	1	25
1,2-Dichloroethane	40.5	42.3		ug/m3		105	70 - 131	4	25
1,2-Dichloropropane	46.2	49.8		ug/m3		108	70 - 130	4	25
1,3,5-Trimethylbenzene	49.2	55.0		ug/m3		112	69 - 141	1	25
1,3-Butadiene	22.1	26.3		ug/m3		119	70 - 131	2	25
1,3-Dichlorobenzene	60.1	60.4		ug/m3		100	64 - 140	0	25
1,4-Dichlorobenzene	60.1	59.2		ug/m3		99	64 - 137	3	25
2-Butanone	29.5	35.0		ug/m3		119	70 - 130	7	25
2-Hexanone	41.0	37.3		ug/m3		91	63 - 130	1	25
3-Chloroprene	31.3	36.4		ug/m3		116	70 - 137	2	25
4-Ethyltoluene	49.2	55.2		ug/m3		112	69 - 139	1	25
4-Methyl-2-pentanone	41.0	38.2		ug/m3		93	68 - 133	2	25
Acetone	23.8	27.1		ug/m3		114	70 - 137	2	25
Benzene	31.9	35.4		ug/m3		111	70 - 130	1	25
Bromobenzene	64.2	64.2		ug/m3		100	70 - 130	2	25
Bromodichloromethane	67.0	66.1		ug/m3		99	70 - 130	0	25
Bromoform	103	88.2		ug/m3		85	60 - 139	0	25
Bromomethane	38.8	51.6		ug/m3		133	70 - 134	0	25
Carbon disulfide	31.1	36.5		ug/m3		117	70 - 130	2	25
Carbon tetrachloride	62.9	72.3		ug/m3		115	70 - 130	3	25
Chlorobenzene	46.0	46.8		ug/m3		102	70 - 130	1	25
Chlorodifluoromethane	35.4	44.1		ug/m3		125	70 - 141	2	25
Chloroethane	26.4	32.9		ug/m3		125	70 - 131	3	25
Chloroform	48.8	54.4		ug/m3		111	70 - 130	4	25
Chloromethane	20.7	24.2		ug/m3		117	51 - 138	7	25
cis-1,2-Dichloroethene	39.6	47.3		ug/m3		119	70 - 130	1	25
cis-1,3-Dichloropropene	45.4	45.6		ug/m3		100	70 - 130	2	25
Cumene	49.2	58.3		ug/m3		119	70 - 131	4	25
Dibromochloromethane	85.2	80.8		ug/m3		95	70 - 130	0	25
Dibromomethane	71.1	72.4		ug/m3		102	70 - 130	2	25
Dichlorodifluoromethane	49.5	60.6		ug/m3		123	70 - 131	4	25
Dichlorofluoromethane	42.1	52.4		ug/m3		124	70 - 136	4	25

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 410-589148/6

Matrix: Air

Analysis Batch: 589148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	43.4	46.6		ug/m3		107	70 - 130	2	25
Freon 113	76.6	93.6		ug/m3		122	70 - 130	1	25
Freon-114	69.9	86.5		ug/m3		124	70 - 130	1	25
Heptane	41.0	45.4		ug/m3		111	70 - 130	1	25
Hexachloroethane	96.8	98.2		ug/m3		101	38 - 163	1	25
Hexane	35.2	43.9		ug/m3		124	70 - 130	5	25
Isooctane	46.7	47.7		ug/m3		102	70 - 130	1	25
m&p-Xylene	43.4	45.5		ug/m3		105	70 - 130	1	25
Cyclohexane	34.4	42.4		ug/m3		123	70 - 130	2	25
Methyl t-butyl ether	36.1	42.6		ug/m3		118	70 - 130	1	25
Methylene Chloride	34.7	44.0		ug/m3		127	70 - 130	1	25
o-Xylene	43.4	46.2		ug/m3		107	70 - 130	1	25
Octane	46.7	50.3		ug/m3		108	70 - 130	2	25
Pentane	29.5	33.3		ug/m3		113	58 - 130	4	25
Styrene	42.6	42.9		ug/m3		101	70 - 133	0	25
Tetrachloroethene	67.8	70.3		ug/m3		104	70 - 130	0	25
Toluene	37.7	40.0		ug/m3		106	70 - 130	1	25
trans-1,2-Dichloroethene	39.6	45.5		ug/m3		115	70 - 130	5	25
trans-1,3-Dichloropropene	45.4	49.3		ug/m3		109	70 - 130	2	25
Trichloroethene	53.7	55.1		ug/m3		103	70 - 130	1	25
Trichlorofluoromethane	56.2	65.8		ug/m3		117	70 - 130	4	25
Vinyl chloride	25.6	33.8		ug/m3		132	70 - 135	3	25
Naphthalene	59.2	51.9		ug/m3		88	33 - 149	4	25

QC Association Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Air - GC/MS VOA

Analysis Batch: 588683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-200757-1	SV-1-20241212	Total/NA	Air	TO-15	
410-200757-2	IA-1-20241212	Total/NA	Air	TO-15	
410-200757-3	AA-1-20241212	Total/NA	Air	TO-15	
MB 410-588683/8	Method Blank	Total/NA	Air	TO-15	
LCS 410-588683/5	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 410-588683/6	Lab Control Sample Dup	Total/NA	Air	TO-15	

Analysis Batch: 589148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-200757-1 - DL	SV-1-20241212	Total/NA	Air	TO-15	
MB 410-589148/8	Method Blank	Total/NA	Air	TO-15	
LCS 410-589148/5	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 410-589148/6	Lab Control Sample Dup	Total/NA	Air	TO-15	

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: SV-1-20241212
Date Collected: 12/12/24 13:40
Date Received: 12/13/24 17:40

Lab Sample ID: 410-200757-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	588683	D7UM	ELLE	12/20/24 19:41
Total/NA	Analysis	TO-15	DL	2	589148	D7UM	ELLE	12/22/24 15:59

Client Sample ID: IA-1-20241212
Date Collected: 12/12/24 13:43
Date Received: 12/13/24 17:40

Lab Sample ID: 410-200757-2
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	588683	D7UM	ELLE	12/20/24 20:31

Client Sample ID: AA-1-20241212
Date Collected: 12/12/24 13:45
Date Received: 12/13/24 17:40

Lab Sample ID: 410-200757-3
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	588683	D7UM	ELLE	12/20/24 21:01

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	1,1,1,2-Tetrachloroethane
TO-15		Air	1,2,3-Trichloropropane
TO-15		Air	2-Hexanone
TO-15		Air	4-Ethyltoluene
TO-15		Air	Bromobenzene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	Dibromomethane
TO-15		Air	Dichlorofluoromethane
TO-15		Air	Octane
TO-15		Air	Pentane

Method Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-200757-1	SV-1-20241212	Air	12/12/24 13:40	12/13/24 17:40	Air Canister (6-Liter) #1034
410-200757-2	IA-1-20241212	Air	12/12/24 13:43	12/13/24 17:40	Air Canister (6-Liter) #1649
410-200757-3	AA-1-20241212	Air	12/12/24 13:45	12/13/24 17:40	Air Canister (6-Liter) #1443

- 1
- 2
- 3
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- 5
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- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



Bottle Order (SCR) # 134564

12/23/2024

Login Sample Receipt Checklist

Client: Brown and Caldwell

Job Number: 410-200757-1

Login Number: 200757

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Kanagy, Nicholas

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	N/A	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	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.	N/A	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Summa Canister Dilution Worksheet

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job No.: 410-200757-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
410-200757-1	6	-8	0.73	4.40	6.8	1.46	8.78		2.00	2.00		12/20/24 14:11	D7UM
410-200757-2	6	-11.6	0.61	3.67	7.8	1.53	9.18		2.50	2.50		12/20/24 14:12	D7UM
410-200757-3	6	-12.6	0.58	3.47	6.6	1.45	8.69		2.50	2.50		12/20/24 14:12	D7UM

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg

Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig) * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1436	Lab Sample ID: 410-186273-1
Matrix: Air	Lab File ID: 5G29X09.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 13:43
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	0.35	J	1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1436	Lab Sample ID: 410-186273-1
Matrix: Air	Lab File ID: 5G29X09.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 13:43
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1436 Lab Sample ID: 410-186273-1

Matrix: Air Lab File ID: 5G29X09.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 13:43

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

5

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D
Lims ID: 410-186273-A-1
Client ID: 1436
Sample Type: Client
Inject. Date: 29-Aug-2024 13:43:04 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1436
Misc. Info.: 410-0123593-009
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 29-Aug-2024 14:31:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.386	3.393	0.007	97	7276	0.6506	
* 39 Chlorobromomethane (IS)	130	5.306	5.306	0.000	75	75345	10.0	
46 Benzene	78	5.821	5.828	0.000	91	9815	0.3547	
* 51 1,4-Difluorobenzene	114	6.129	6.129	0.000	91	207783	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	269061	10.0	
73 Chlorobenzene	112	8.350	8.350	0.000	93	4986	0.1210	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:14

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D

Injection Date: 29-Aug-2024 13:43:04

Instrument ID: HP22820

Lims ID: 410-186273-A-1

Lab Sample ID: 410-186273-1

Client ID: 1436

Operator ID: bcb85445

ALS Bottle#: 0 Worklist Smp#: 9

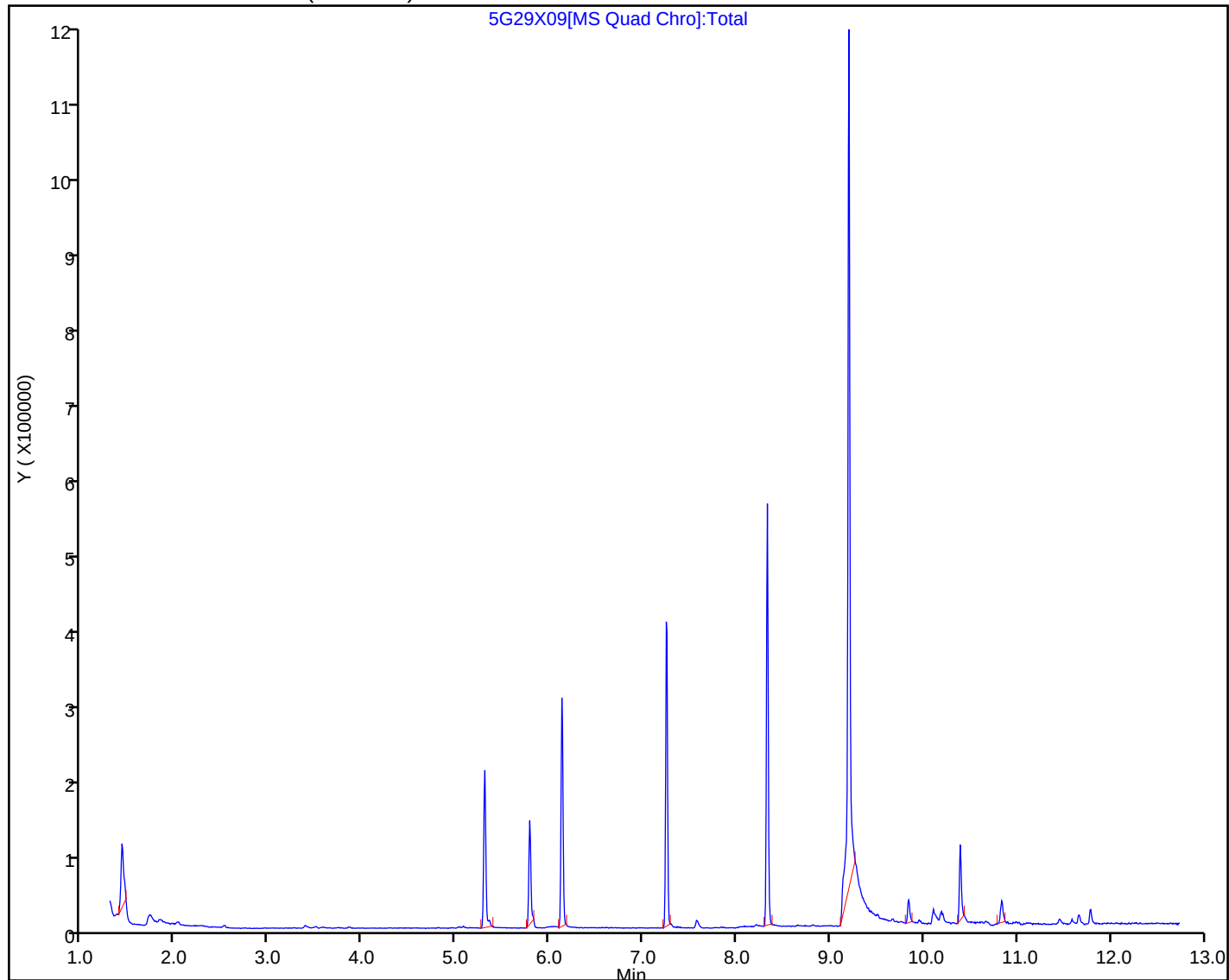
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D

Injection Date: 29-Aug-2024 13:43:04

Instrument ID: HP22820

Lims ID: 410-186273-A-1

Lab Sample ID: 410-186273-1

Client ID: 1436

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 9

Purge Vol: 200.000 mL

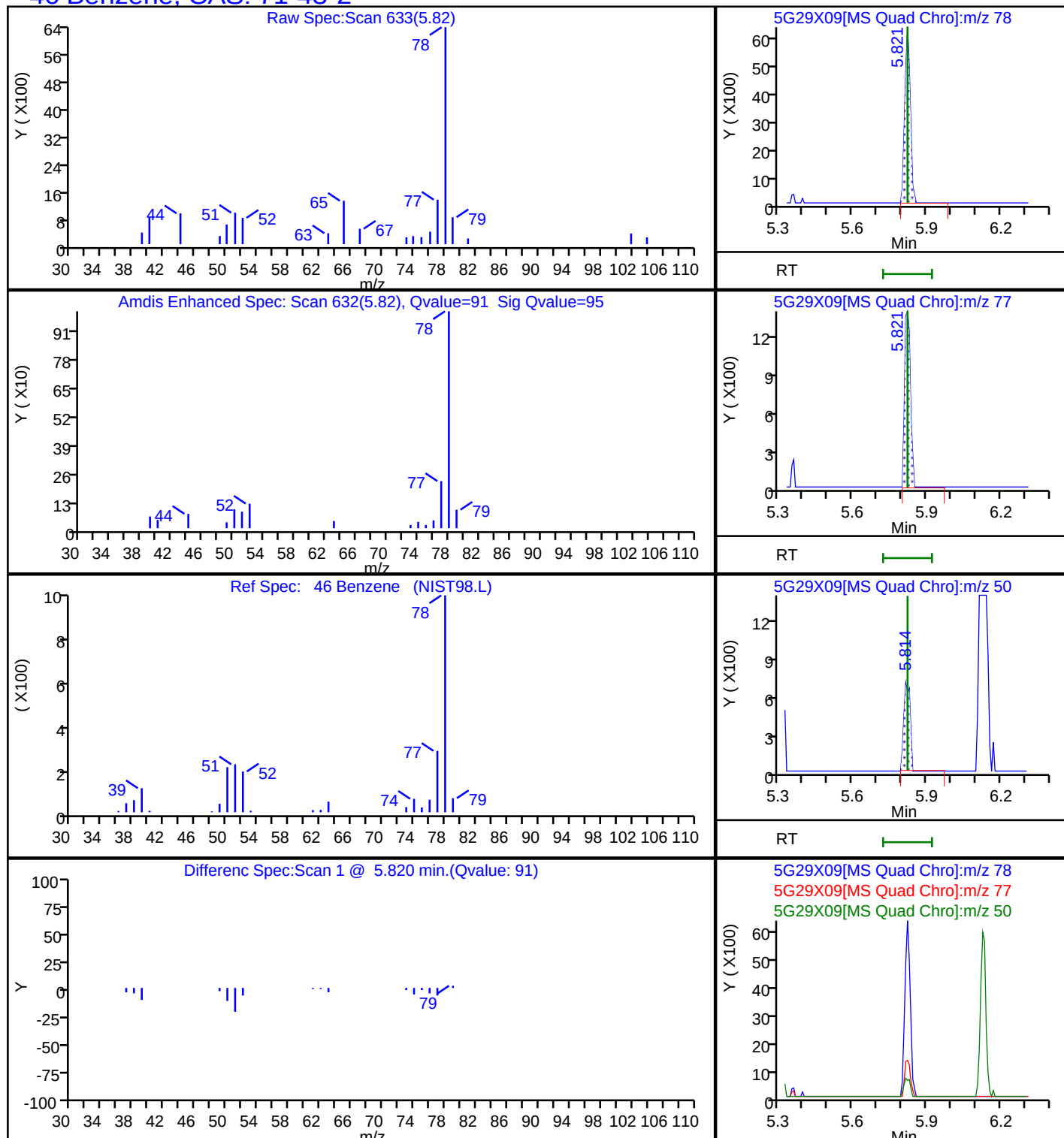
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

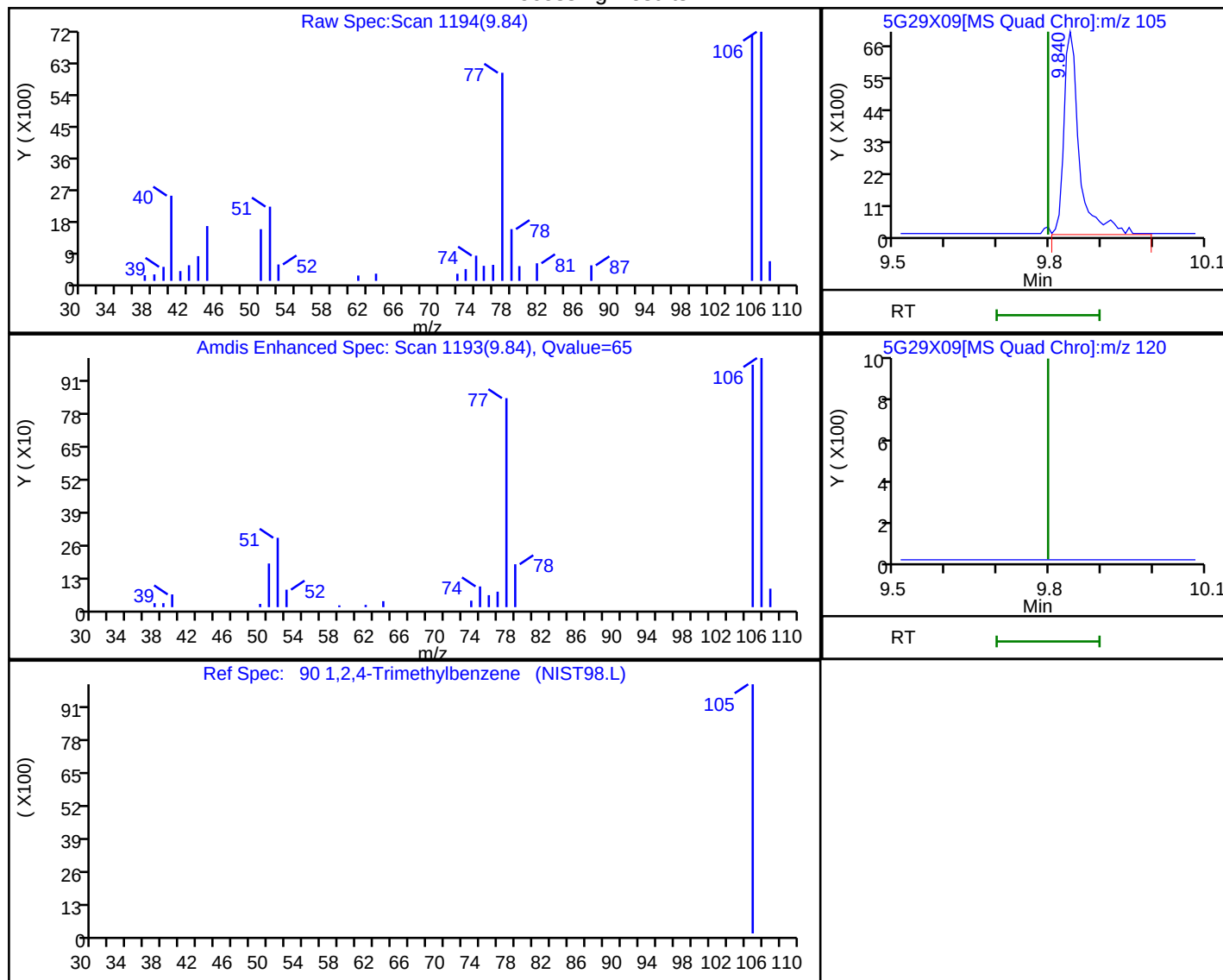
46 Benzene, CAS: 71-43-2

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D
Injection Date: 29-Aug-2024 13:43:04 Instrument ID: HP22820
Lims ID: 410-186273-A-1 Lab Sample ID: 410-186273-1
Client ID: 1436
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
9.84	105.00	14528	0.319642
9.80	120.00	0	

Reviewer: MLX9, 29-Aug-2024 14:11:48 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

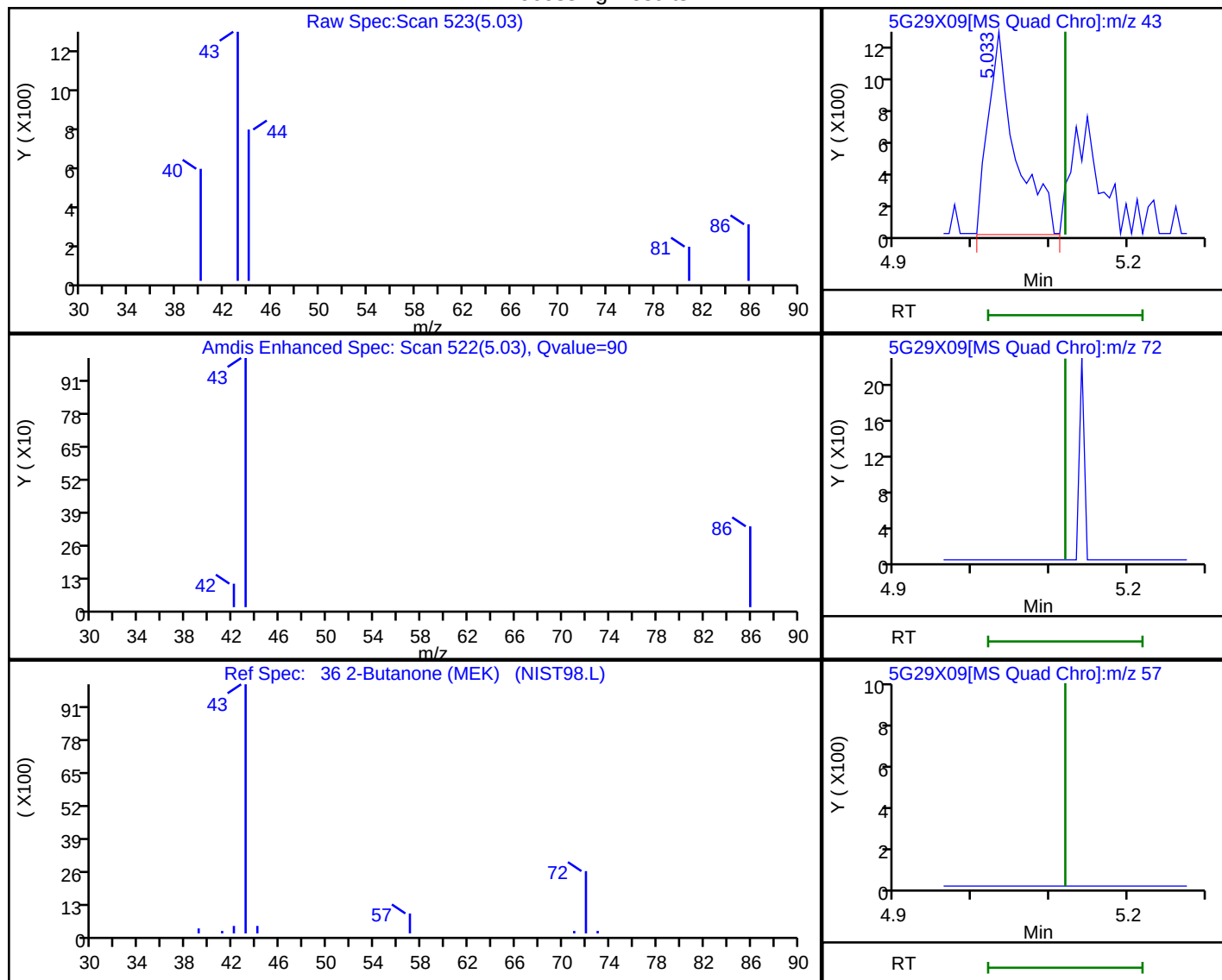
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D
Injection Date: 29-Aug-2024 13:43:04 Instrument ID: HP22820
Lims ID: 410-186273-A-1 Lab Sample ID: 410-186273-1
Client ID: 1436
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.03	43.00	3011	0.261539
5.12	72.00	0	
5.12	57.00	0	

Reviewer: MLX9, 29-Aug-2024 14:12:06 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

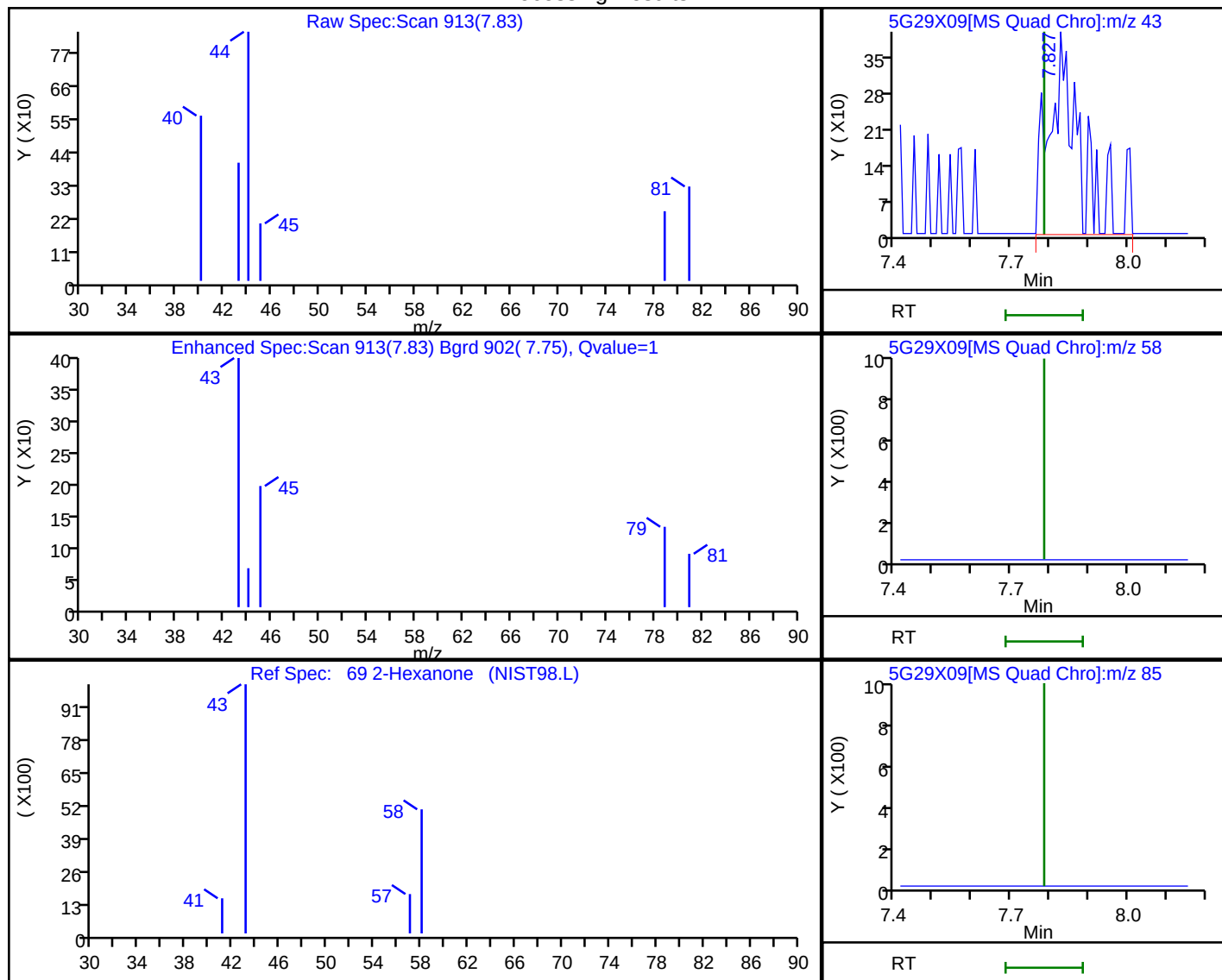
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D
Injection Date: 29-Aug-2024 13:43:04 Instrument ID: HP22820
Lims ID: 410-186273-A-1 Lab Sample ID: 410-186273-1
Client ID: 1436
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

69 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.83	43.00	2153	0.157289
7.78	58.00	0	
7.78	85.00	0	

Reviewer: MLX9, 29-Aug-2024 14:11:59 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

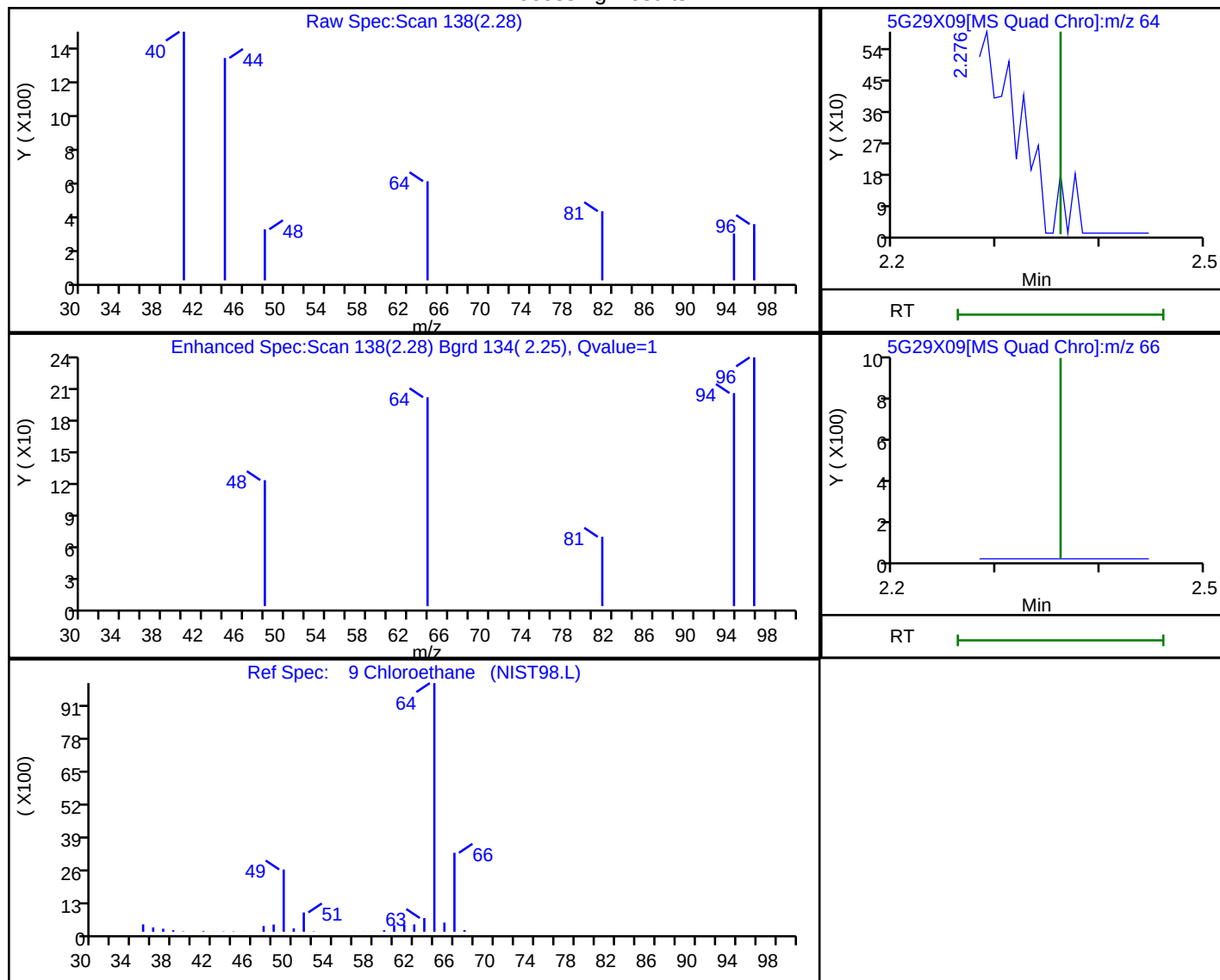
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D
Injection Date: 29-Aug-2024 13:43:04 Instrument ID: HP22820
Lims ID: 410-186273-A-1 Lab Sample ID: 410-186273-1
Client ID: 1436
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.28	64.00	1670	0.314942
2.36	66.00	0	

Reviewer: MLX9, 29-Aug-2024 14:12:15 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

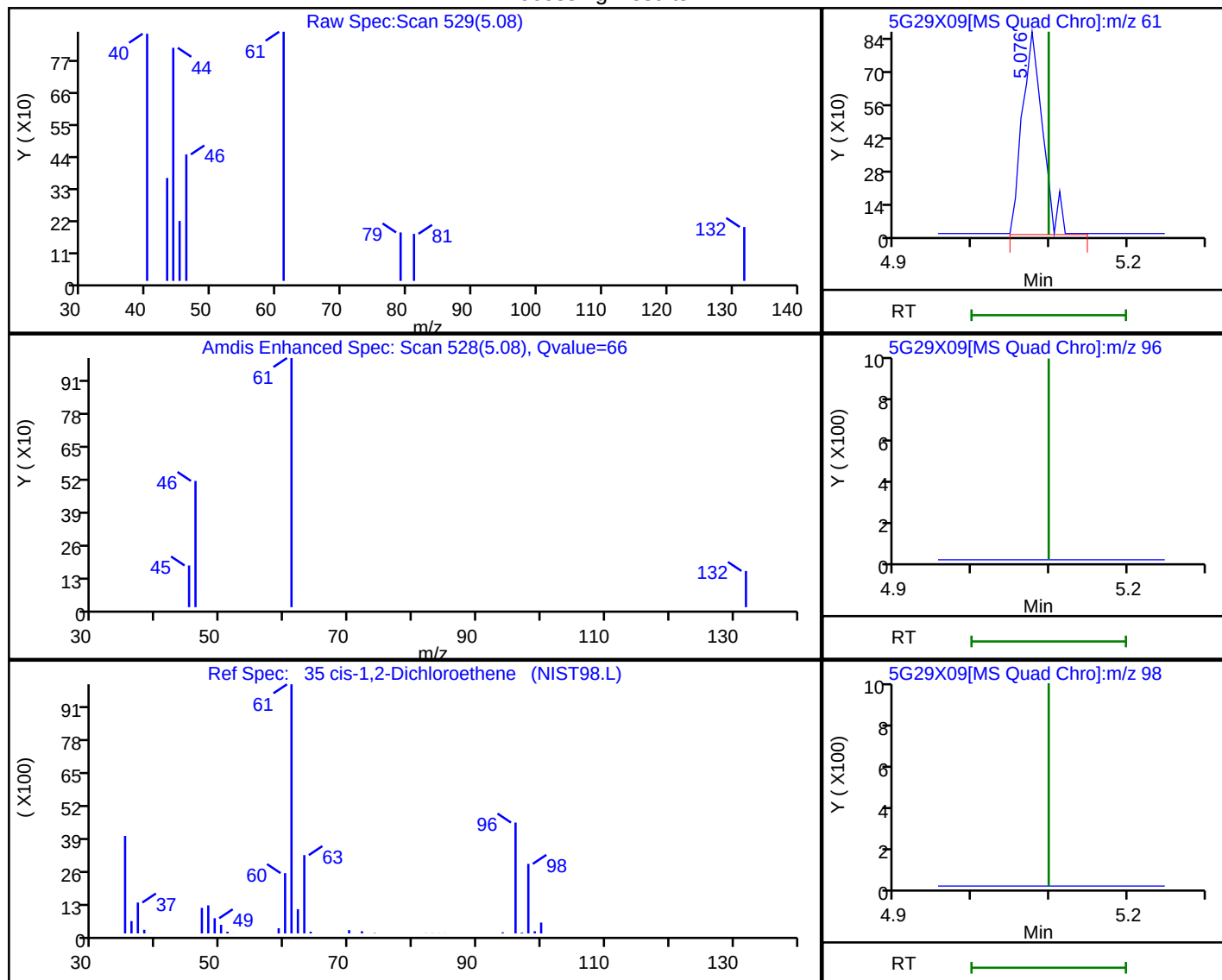
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D
Injection Date: 29-Aug-2024 13:43:04 Instrument ID: HP22820
Lims ID: 410-186273-A-1 Lab Sample ID: 410-186273-1
Client ID: 1436
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

35 cis-1,2-Dichloroethene, CAS: 156-59-2

Processing Results



RT	Mass	Response	Amount
5.08	61.00	1578	0.133646
5.10	96.00	0	
5.10	98.00	0	

Reviewer: MLX9, 29-Aug-2024 14:12:08 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1398 Lab Sample ID: 410-186273-2

Matrix: Air Lab File ID: 5G29X10.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 14:08

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1398	Lab Sample ID: 410-186273-2
Matrix: Air	Lab File ID: 5G29X10.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 14:08
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-186273-1

SDG No.:

Client Sample ID: 1398

Lab Sample ID: 410-186273-2

Matrix: Air

Lab File ID: 5G29X10.D

Analysis Method: TO-15

Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL)

Date Analyzed: 08/29/2024 14:08

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume:

Heated Purge: (Y/N) pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 545860

Units: ppb v/v

Preparation Batch No.:

Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

SDG No.:

Client Sample ID: 1398 Lab Sample ID: 410-186273-2

Matrix: Air Lab File ID: 5G29X10.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 14:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X10.D
Lims ID: 410-186273-A-2
Client ID: 1398
Sample Type: Client
Inject. Date: 29-Aug-2024 14:08:03 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1398
Misc. Info.: 410-0123593-010
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 29-Aug-2024 15:00:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.386	3.393	0.007	100	10909	0.9180	
36 2-Butanone (MEK)	43	5.127	5.134	0.008	99	1690	0.1382	
* 39 Chlorobromomethane (IS)	130	5.306	5.306	0.000	76	80053	10.0	
* 51 1,4-Difluorobenzene	114	6.129	6.129	0.000	91	208148	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	267398	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:15

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X10.D

Injection Date: 29-Aug-2024 14:08:03

Instrument ID: HP22820

Lims ID: 410-186273-A-2

Lab Sample ID: 410-186273-2

Client ID: 1398

Operator ID: bcb85445

ALS Bottle#: 0 Worklist Smp#: 10

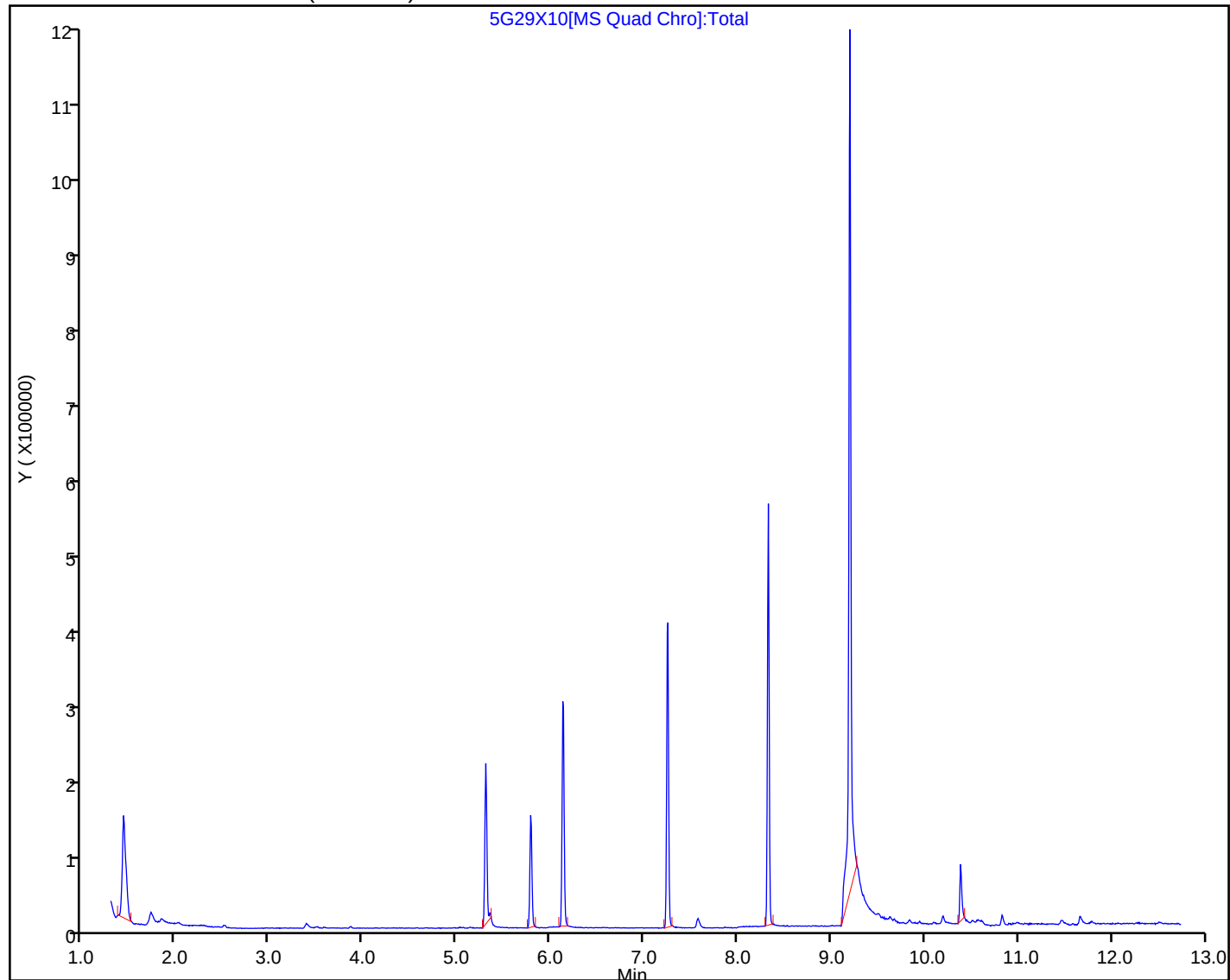
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1232	Lab Sample ID: 410-186273-3
Matrix: Air	Lab File ID: 5G29X11.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 14:32
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	0.31	J	1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	1.7	J	5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1232	Lab Sample ID: 410-186273-3
Matrix: Air	Lab File ID: 5G29X11.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 14:32
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1232 Lab Sample ID: 410-186273-3

Matrix: Air Lab File ID: 5G29X11.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 14:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

SDG No.:

Lab Sample ID: 410-186273-3

Lab File ID: 5G29X11.D

Date Collected: 08/28/2024 07:58

Date Analyzed: 08/29/2024 14:32

Dilution Factor: 1

GC Column: DB-624 30m ID: 0.25 (mm)

Heated Purge: (Y/N) pH:

Level: (low/med) Low

Units: ppb v/v

Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X11.D
Lims ID: 410-186273-A-3
Client ID: 1232
Sample Type: Client
Inject. Date: 29-Aug-2024 14:32:51 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1232
Misc. Info.: 410-0123593-011
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 30-Aug-2024 08:07:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.386	3.393	0.007	99	19161	1.74	
36 2-Butanone (MEK)	43	5.134	5.134	0.015	92	3468	0.3051	
* 39 Chlorobromomethane (IS)	130	5.306	5.306	0.000	75	74395	10.0	
* 51 1,4-Difluorobenzene	114	6.129	6.129	0.000	91	196375	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	250099	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:17

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X11.D

Injection Date: 29-Aug-2024 14:32:51

Instrument ID: HP22820

Lims ID: 410-186273-A-3

Lab Sample ID: 410-186273-3

Client ID: 1232

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 11

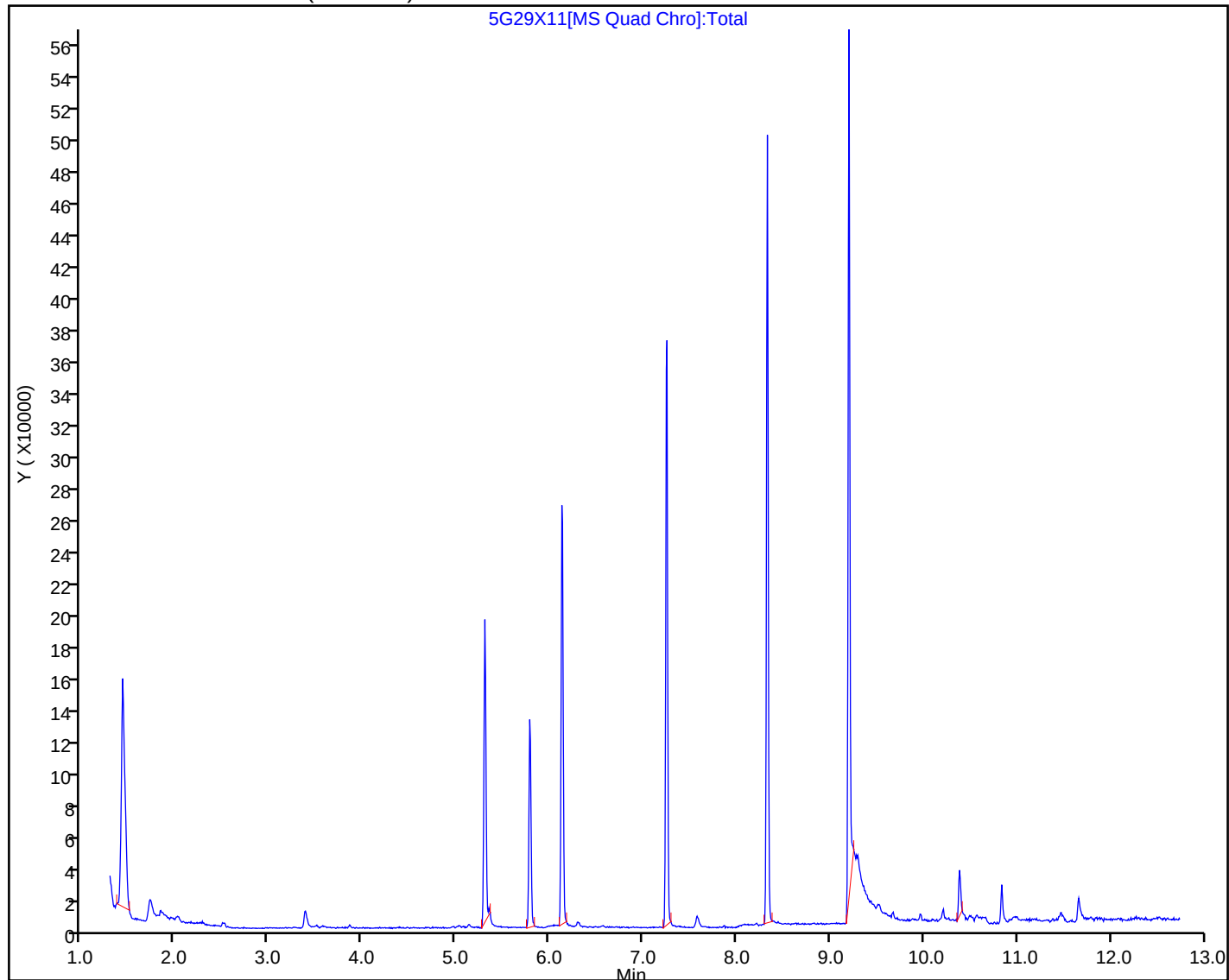
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X11.D

Injection Date: 29-Aug-2024 14:32:51

Instrument ID: HP22820

Lims ID: 410-186273-A-3

Lab Sample ID: 410-186273-3

Client ID: 1232

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 11

Purge Vol: 200.000 mL

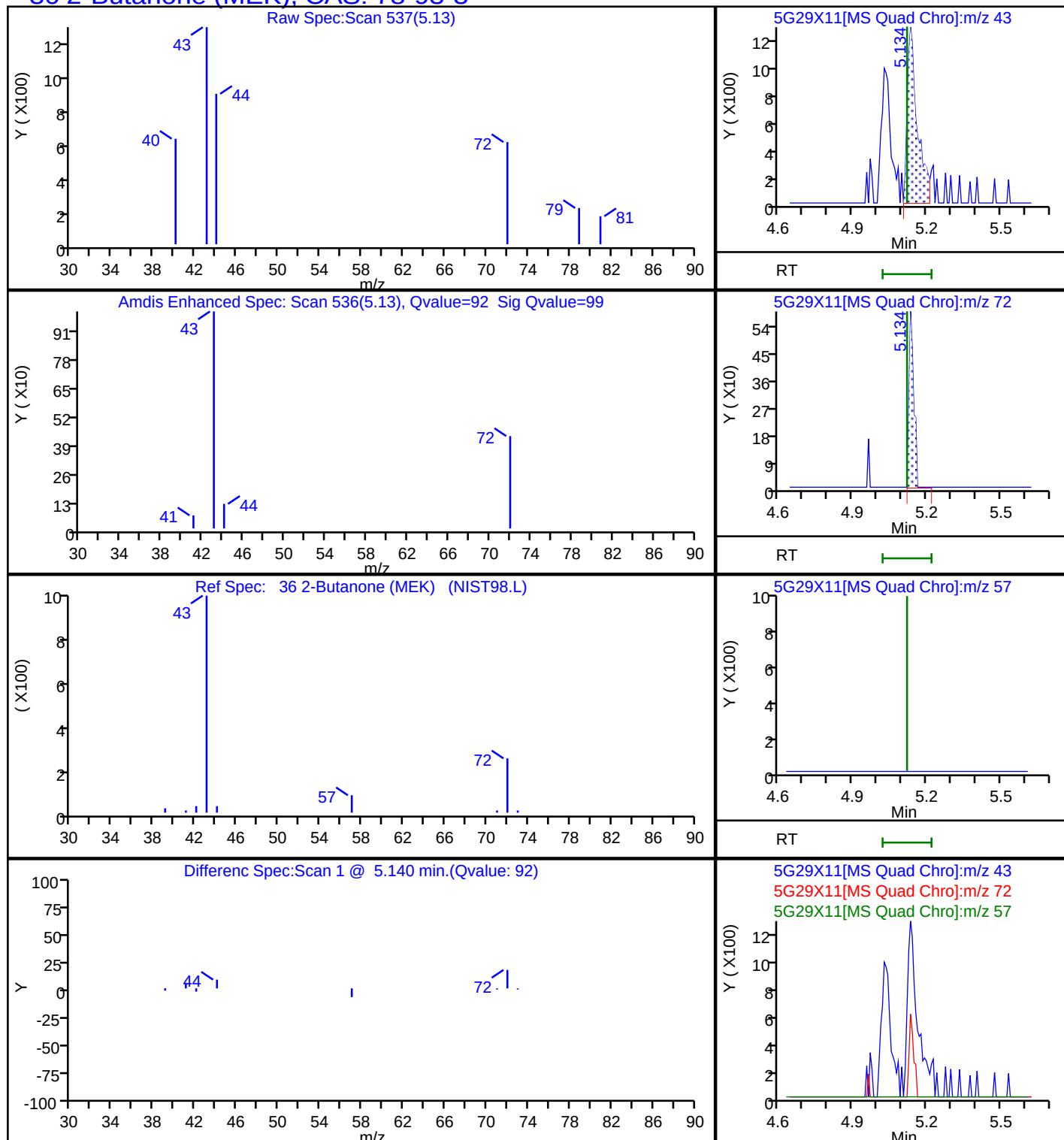
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X11.D

Injection Date: 29-Aug-2024 14:32:51

Instrument ID: HP22820

Lims ID: 410-186273-A-3

Lab Sample ID: 410-186273-3

Client ID: 1232

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 11

Purge Vol: 200.000 mL

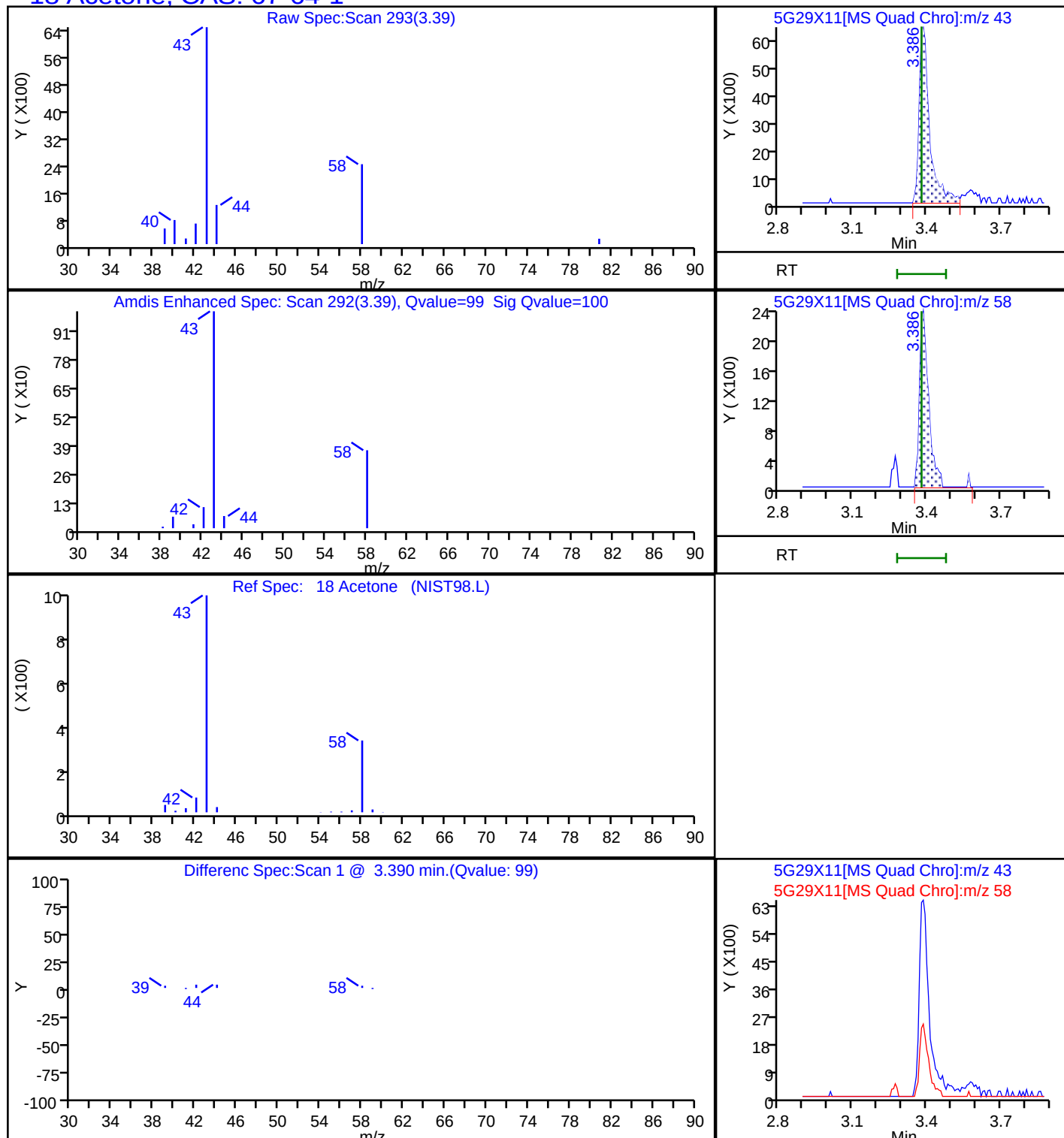
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

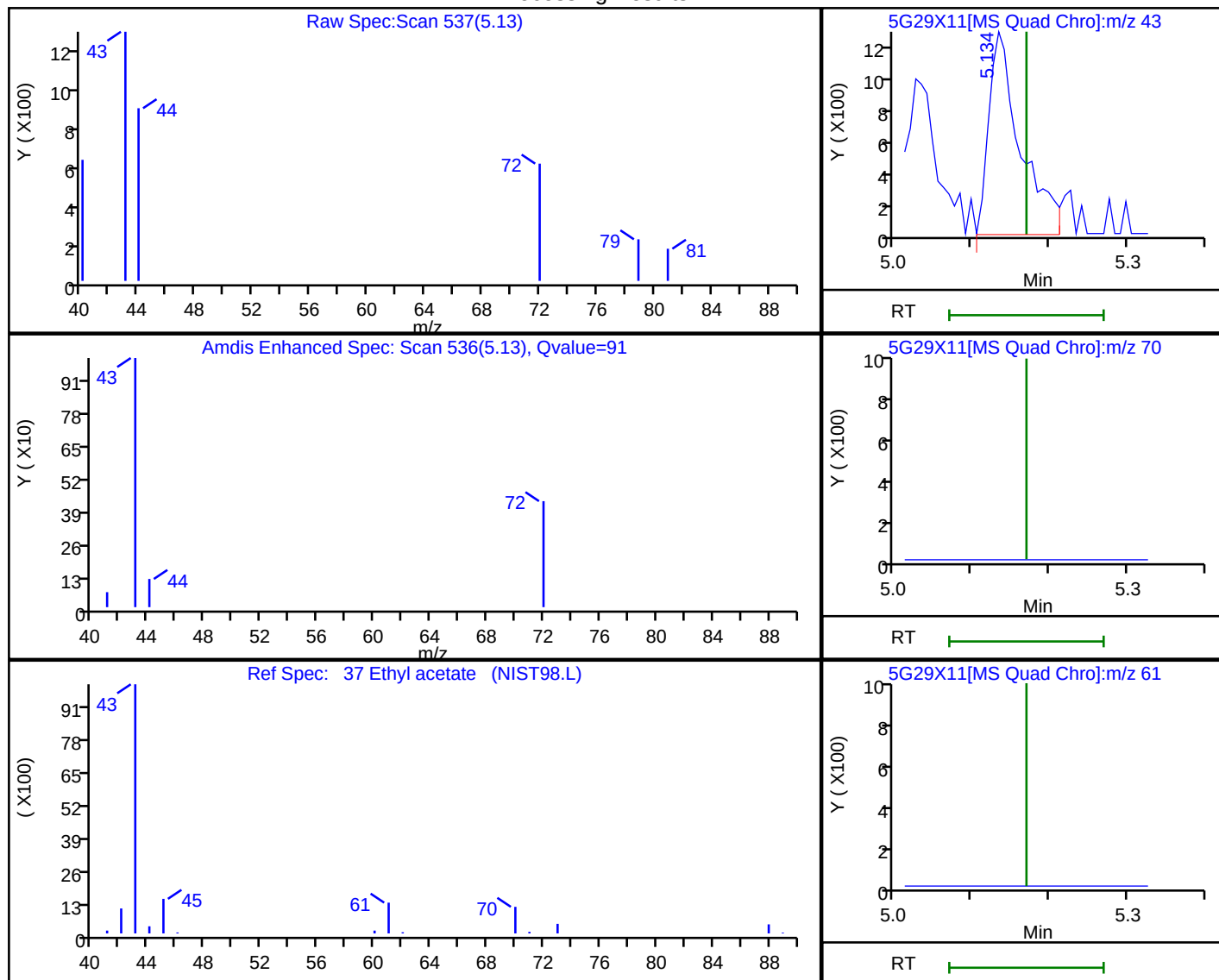
18 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X11.D
Injection Date: 29-Aug-2024 14:32:51 Instrument ID: HP22820
Lims ID: 410-186273-A-3 Lab Sample ID: 410-186273-3
Client ID: 1232
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector: MS Quad

37 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
5.13	43.00	3468	0.217049
5.17	70.00	0	
5.17	61.00	0	

Reviewer: MLX9, 30-Aug-2024 08:07:20 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 802	Lab Sample ID: 410-186273-4
Matrix: Air	Lab File ID: 5G29X12.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 14:57
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 802 Lab Sample ID: 410-186273-4

Matrix: Air Lab File ID: 5G29X12.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 14:57

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 802 Lab Sample ID: 410-186273-4

Matrix: Air Lab File ID: 5G29X12.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 14:57

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

SDG No.:

Lab Sample ID: 410-186273-4

Lab File ID: 5G29X12.D

Date Collected: 08/28/2024 07:58

Date Analyzed: 08/29/2024 14:57

Dilution Factor: 1

GC Column: DB-624 30m ID: 0.25 (mm)

Heated Purge: (Y/N) pH:

Level: (low/med) Low

Units: ppb v/v

Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X12.D
Lims ID: 410-186273-A-4
Client ID: 802
Sample Type: Client
Inject. Date: 29-Aug-2024 14:57:47 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc802
Misc. Info.: 410-0123593-012
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 30-Aug-2024 08:12:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.393	3.393	0.014	98	8128	0.7139	
* 39 Chlorobromomethane (IS)	130	5.305	5.306	-0.001	76	76700	10.0	
* 51 1,4-Difluorobenzene	114	6.136	6.129	0.007	91	197452	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	250067	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:18

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X12.D

Injection Date: 29-Aug-2024 14:57:47

Instrument ID: HP22820

Lims ID: 410-186273-A-4

Lab Sample ID: 410-186273-4

Client ID: 802

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 12

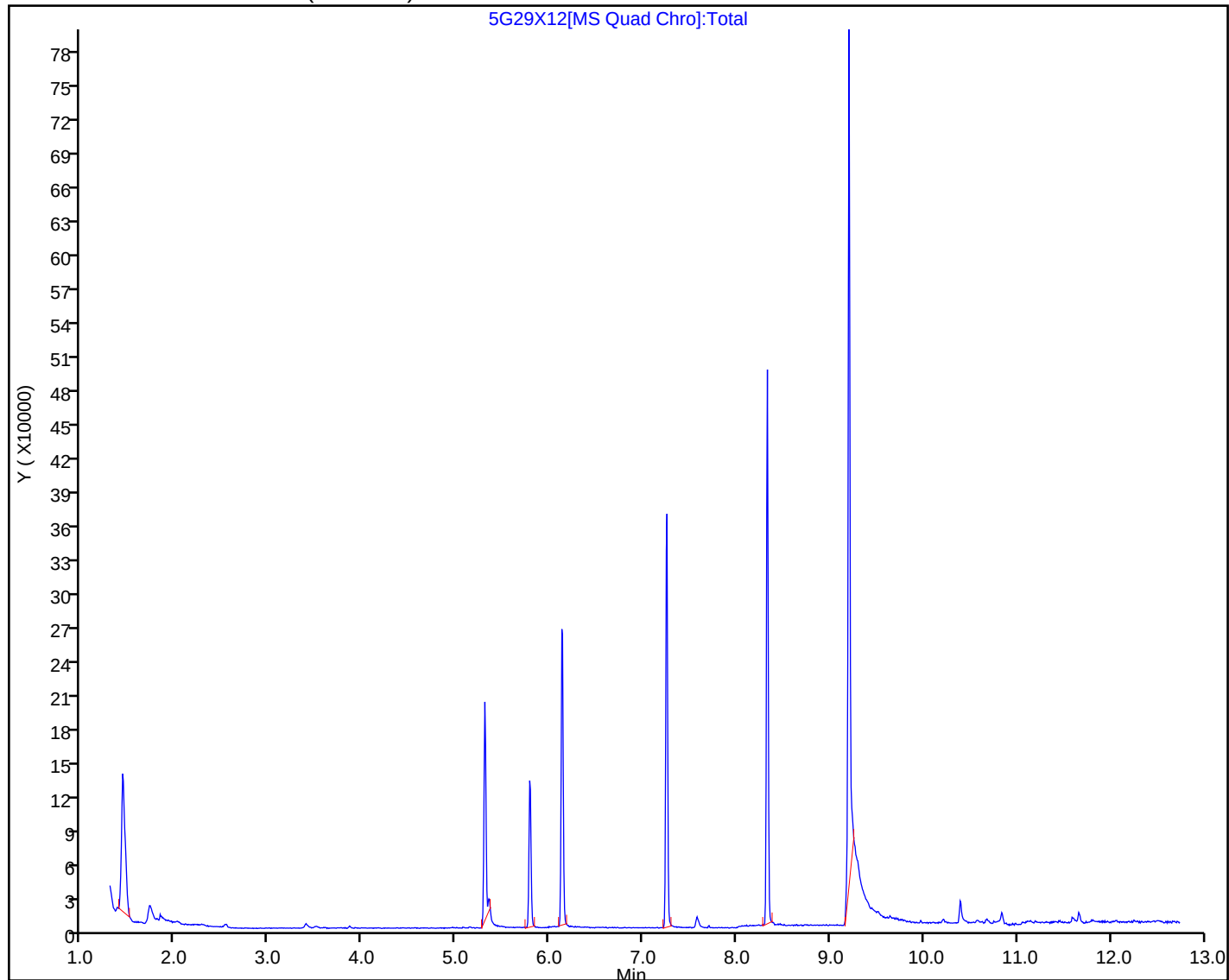
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

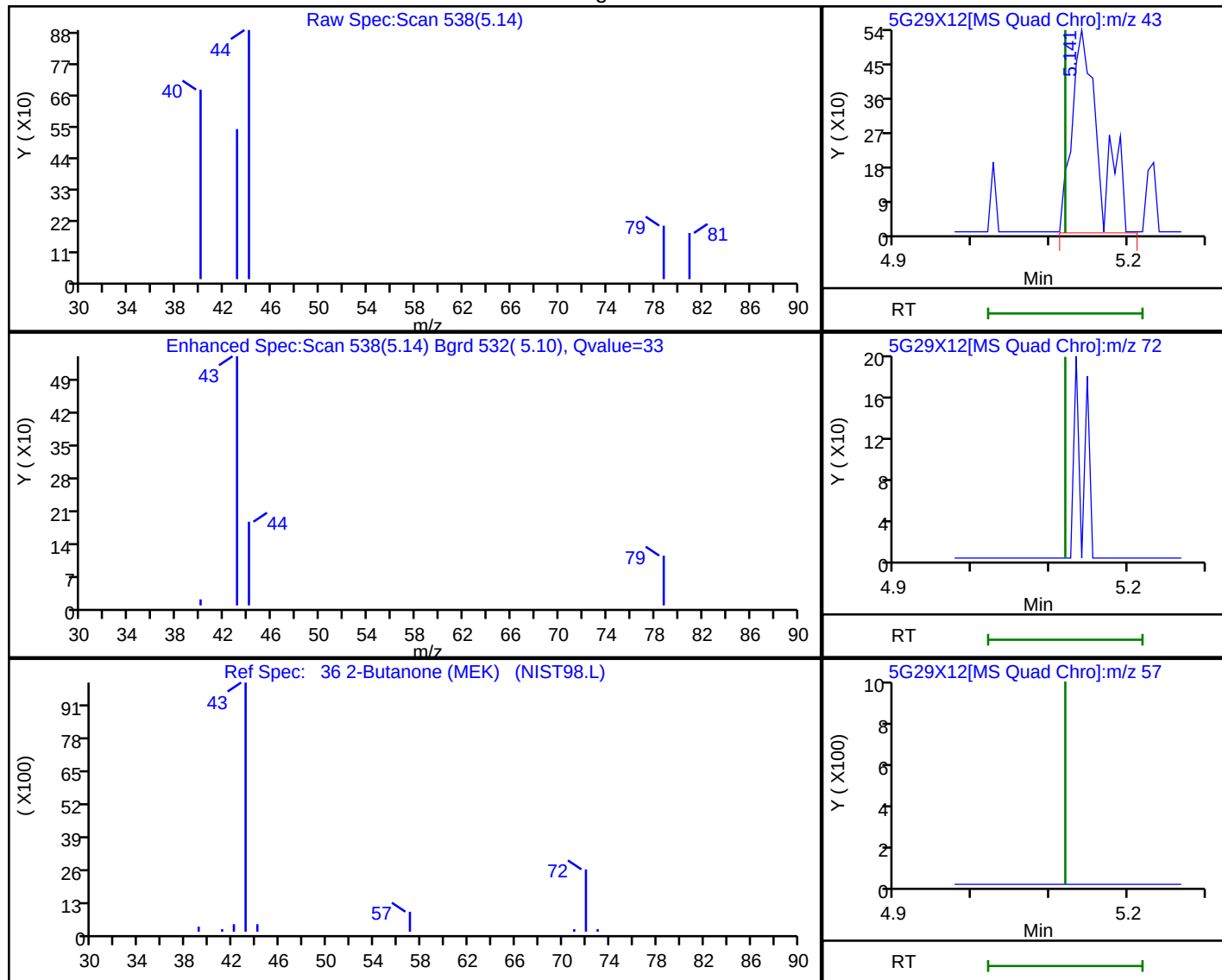


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X12.D
Injection Date: 29-Aug-2024 14:57:47 Instrument ID: HP22820
Lims ID: 410-186273-A-4 Lab Sample ID: 410-186273-4
Client ID: 802
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.14	43.00	1310	0.111778
5.12	72.00	0	
5.12	57.00	0	

Reviewer: MLX9, 30-Aug-2024 08:12:22 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1299	Lab Sample ID: 410-186273-5
Matrix: Air	Lab File ID: 5G29X13.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 15:22
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	0.26	J	1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	1.3	J	5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1299	Lab Sample ID: 410-186273-5
Matrix: Air	Lab File ID: 5G29X13.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 15:22
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1299 Lab Sample ID: 410-186273-5

Matrix: Air Lab File ID: 5G29X13.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 15:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

SDG No.:

Client Sample ID: 1299 Lab Sample ID: 410-186273-5

Matrix: Air Lab File ID: 5G29X13.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 15:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X13.D
Lims ID: 410-186273-A-5
Client ID: 1299
Sample Type: Client
Inject. Date: 29-Aug-2024 15:22:47 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1299
Misc. Info.: 410-0123593-013
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 30-Aug-2024 08:13:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.386	3.393	0.007	100	14290	1.26	M
36 2-Butanone (MEK)	43	5.134	5.134	0.015	95	3065	0.2635	
* 39 Chlorobromomethane (IS)	130	5.306	5.306	0.000	75	76112	10.0	
* 51 1,4-Difluorobenzene	114	6.137	6.129	0.007	91	202759	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	251247	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:19

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X13.D

Injection Date: 29-Aug-2024 15:22:47

Instrument ID: HP22820

Lims ID: 410-186273-A-5

Lab Sample ID: 410-186273-5

Client ID: 1299

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 13

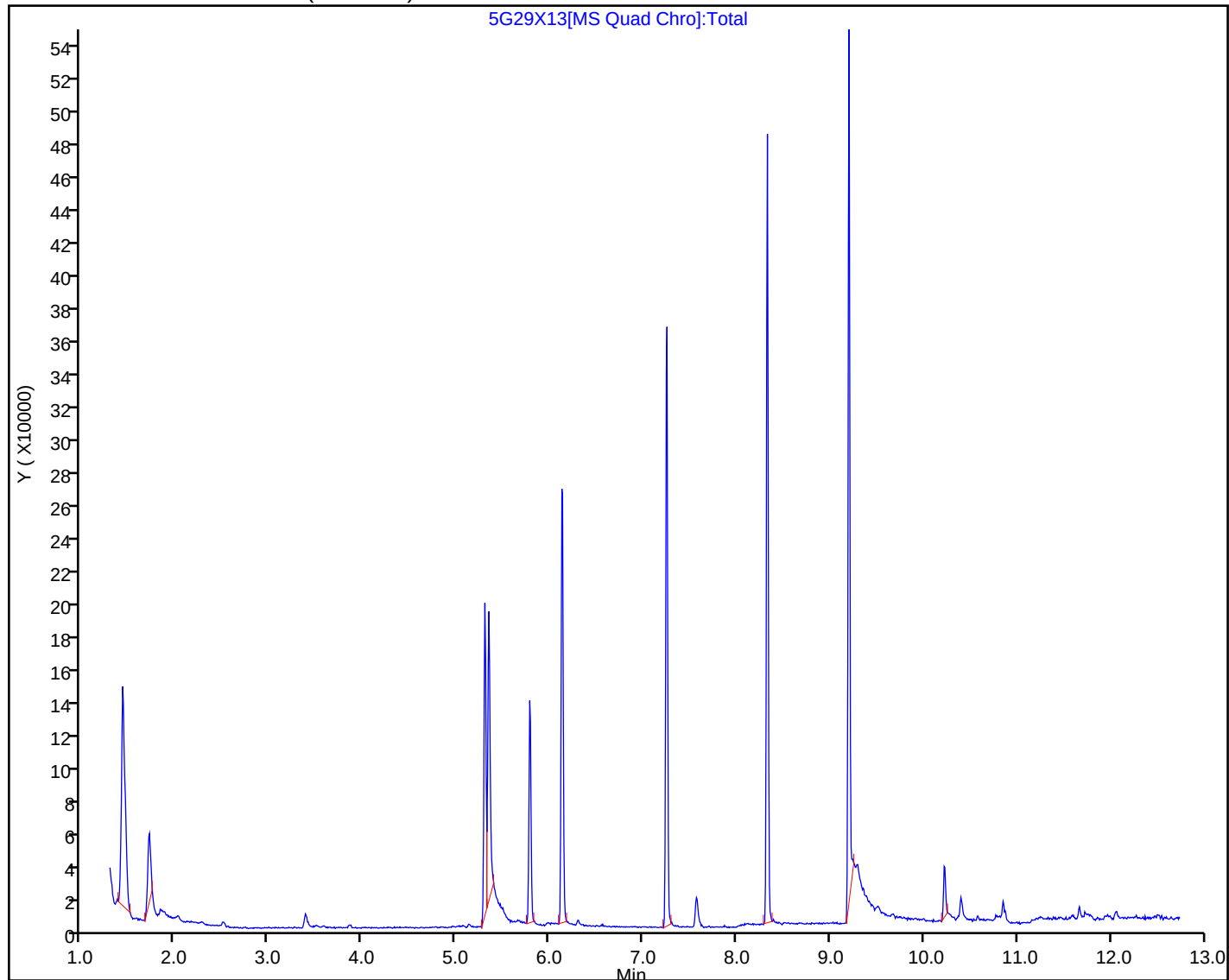
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X13.D

Injection Date: 29-Aug-2024 15:22:47

Instrument ID: HP22820

Lims ID: 410-186273-A-5

Lab Sample ID: 410-186273-5

Client ID: 1299

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 13

Purge Vol: 200.000 mL

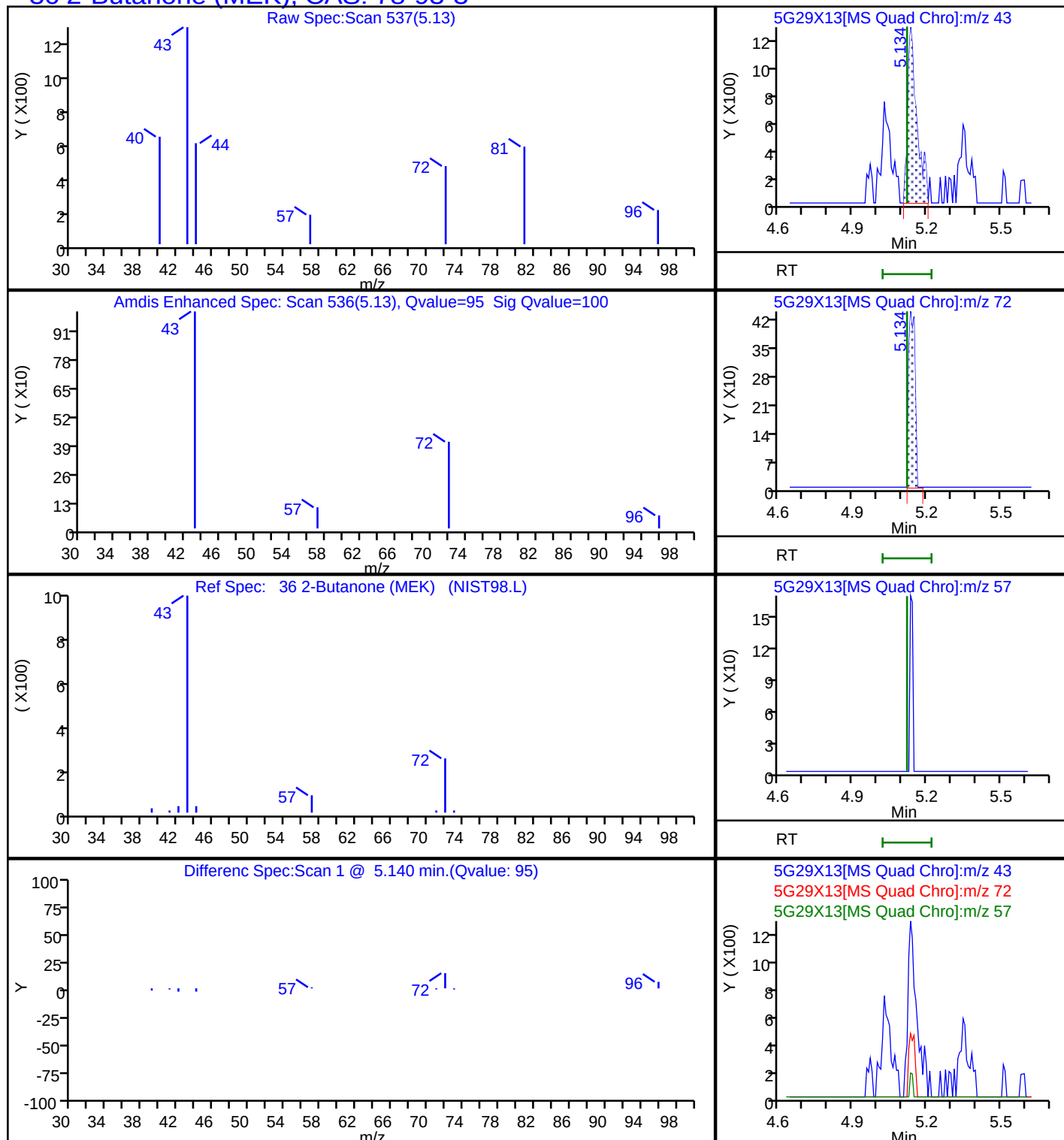
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X13.D

Injection Date: 29-Aug-2024 15:22:47

Instrument ID: HP22820

Lims ID: 410-186273-A-5

Lab Sample ID: 410-186273-5

Client ID: 1299

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 13

Purge Vol: 200.000 mL

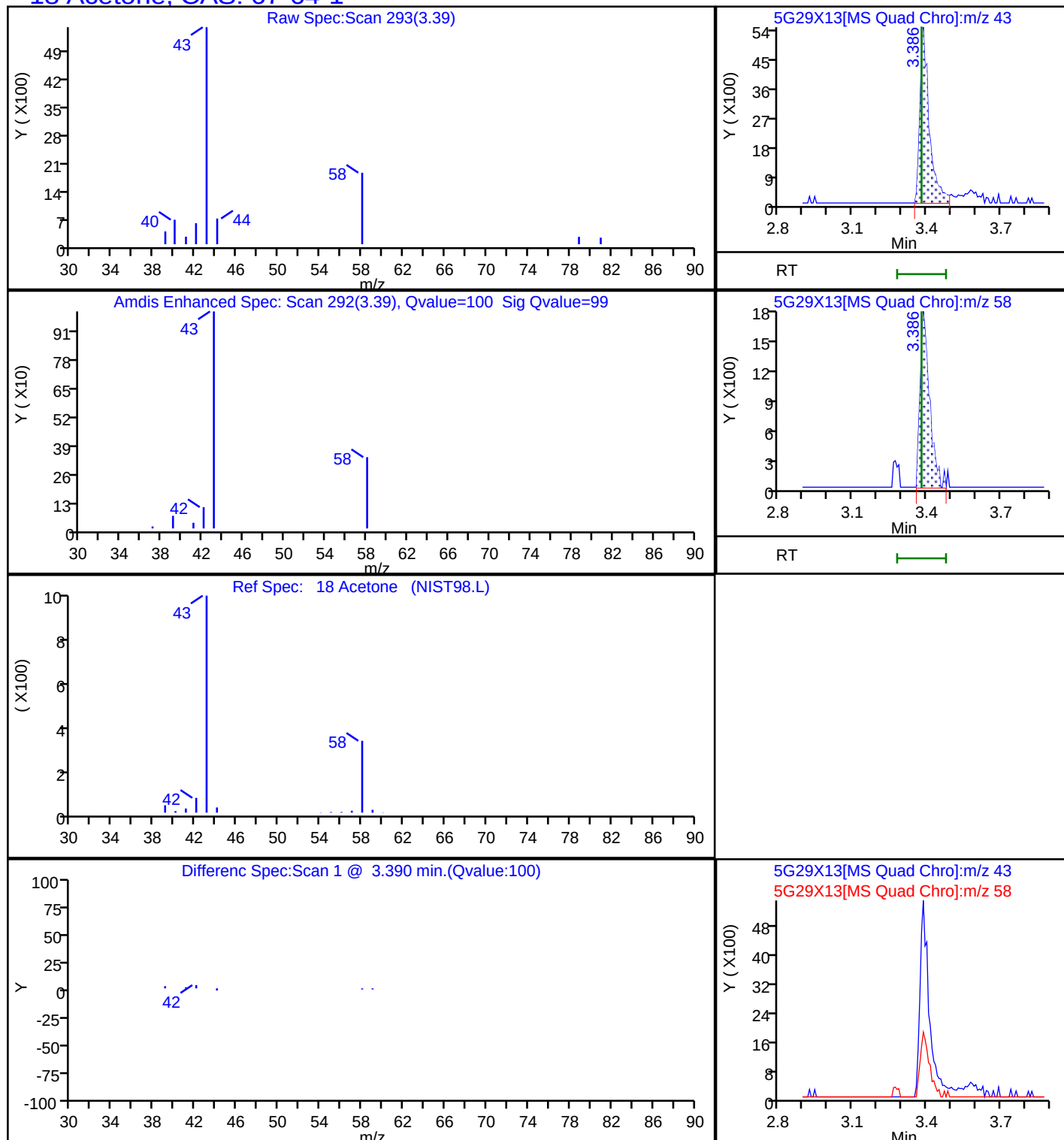
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

18 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

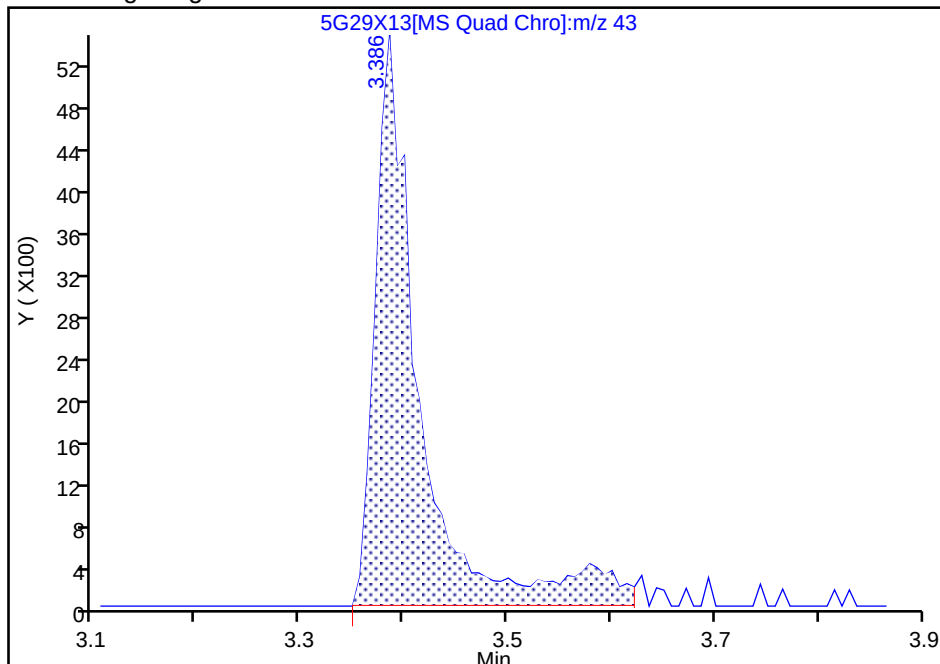
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X13.D				
Injection Date:	29-Aug-2024 15:22:47	Instrument ID:	HP22820		
Lims ID:	410-186273-A-5	Lab Sample ID:	410-186273-5		
Client ID:	1299				
Operator ID:	bc85445	ALS Bottle#:	0	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector:	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 1

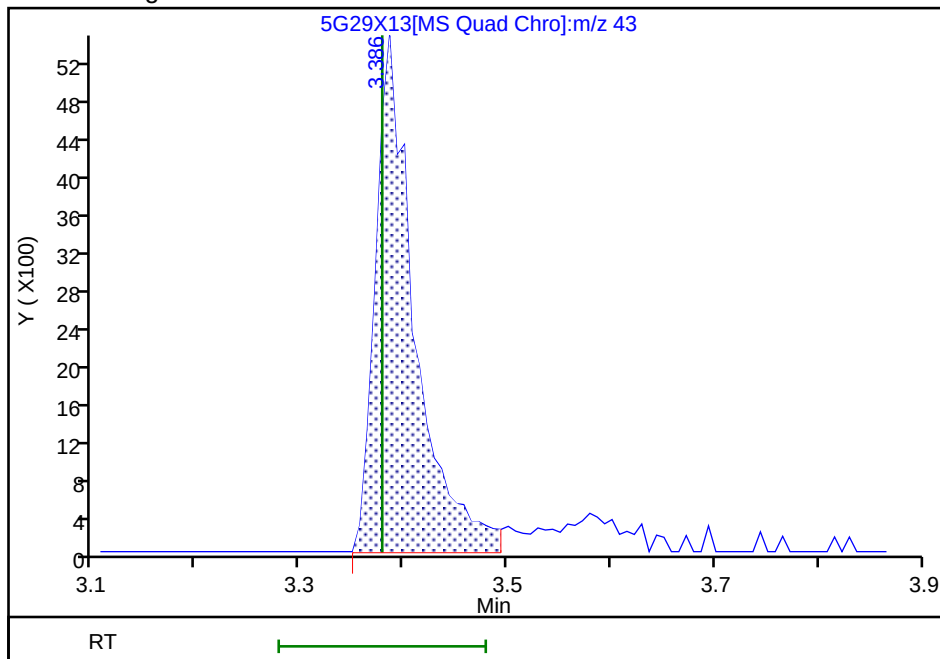
RT: 3.39
Area: 16308
Amount: 1.443461
Amount Units: ppb v/v

Processing Integration Results



RT: 3.39
Area: 14290
Amount: 1.264843
Amount Units: ppb v/v

Manual Integration Results



Reviewer: MLX9, 30-Aug-2024 08:13:52 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

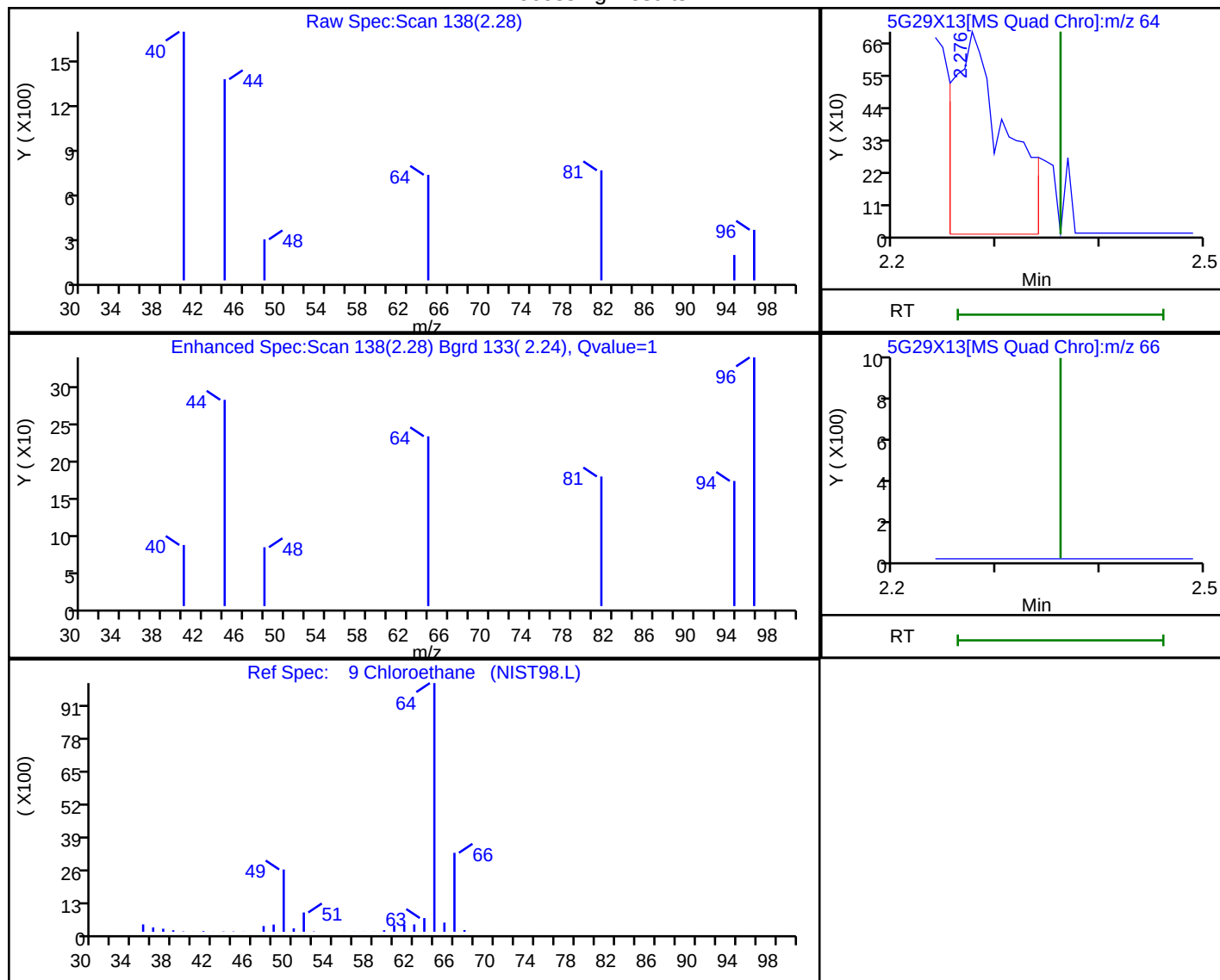
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X13.D
Injection Date: 29-Aug-2024 15:22:47 Instrument ID: HP22820
Lims ID: 410-186273-A-5 Lab Sample ID: 410-186273-5
Client ID: 1299
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.28	64.00	2262	0.422288
2.36	66.00	0	

Reviewer: MLX9, 30-Aug-2024 08:13:47 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1523	Lab Sample ID: 410-186273-6
Matrix: Air	Lab File ID: 5G29X14.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 15:47
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	0.25	J	1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	1.3	J	5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1523 Lab Sample ID: 410-186273-6

Matrix: Air Lab File ID: 5G29X14.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 15:47

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1523 Lab Sample ID: 410-186273-6

Matrix: Air Lab File ID: 5G29X14.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 15:47

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

5

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X14.D
Lims ID: 410-186273-A-6
Client ID: 1523
Sample Type: Client
Inject. Date: 29-Aug-2024 15:47:56 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1523
Misc. Info.: 410-0123593-014
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 30-Aug-2024 08:14:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.386	3.393	0.007	99	14287	1.29	
36 2-Butanone (MEK)	43	5.134	5.134	0.015	97	2858	0.2508	
* 39 Chlorobromomethane (IS)	130	5.306	5.306	0.000	75	74592	10.0	
* 51 1,4-Difluorobenzene	114	6.129	6.129	0.000	91	189620	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	246643	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:21

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X14.D

Injection Date: 29-Aug-2024 15:47:56

Instrument ID: HP22820

Lims ID: 410-186273-A-6

Lab Sample ID: 410-186273-6

Client ID: 1523

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 14

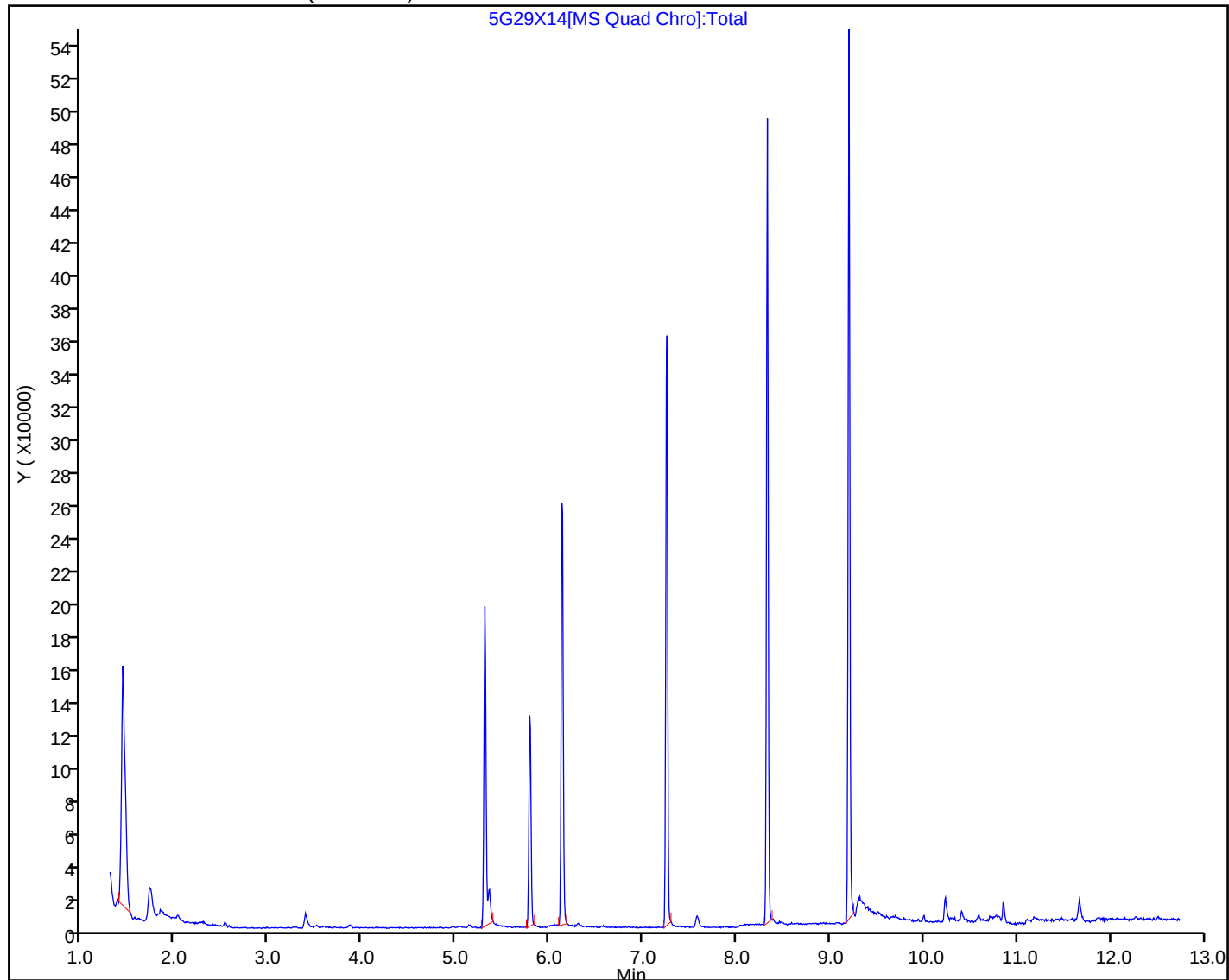
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X14.D

Injection Date: 29-Aug-2024 15:47:56

Instrument ID: HP22820

Lims ID: 410-186273-A-6

Lab Sample ID: 410-186273-6

Client ID: 1523

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 14

Purge Vol: 200.000 mL

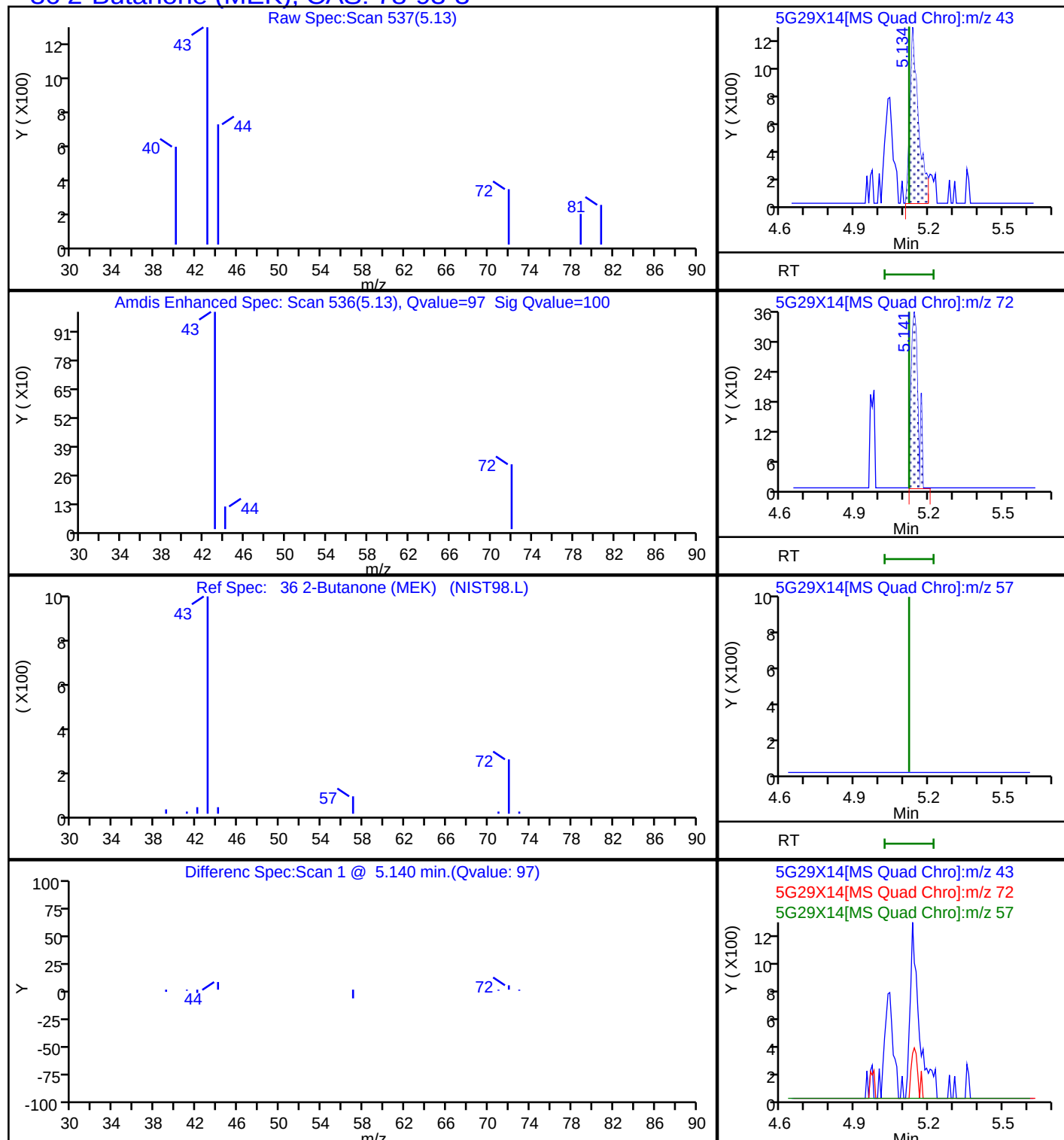
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X14.D

Injection Date: 29-Aug-2024 15:47:56

Instrument ID: HP22820

Lims ID: 410-186273-A-6

Lab Sample ID: 410-186273-6

Client ID: 1523

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 14

Purge Vol: 200.000 mL

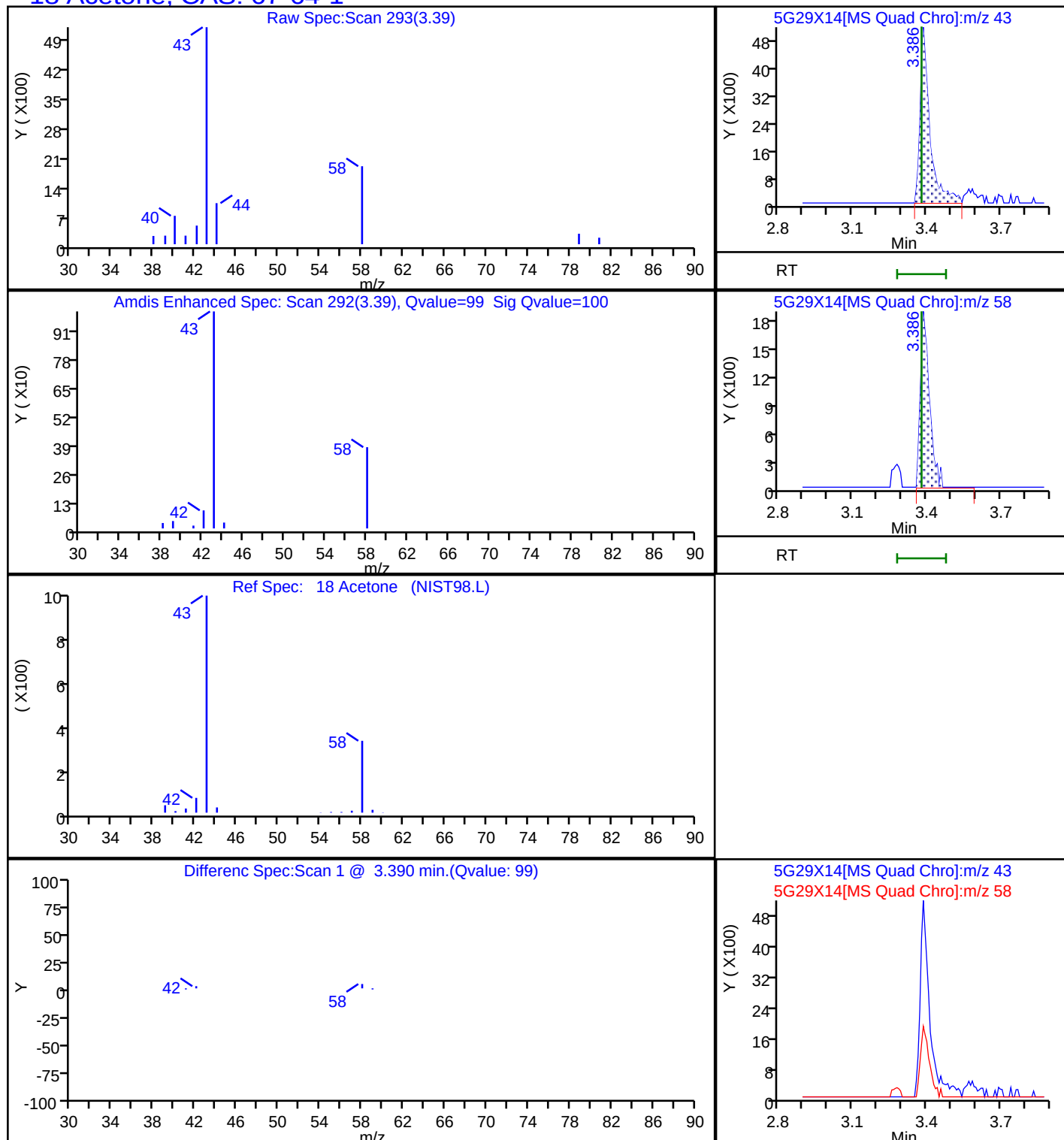
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

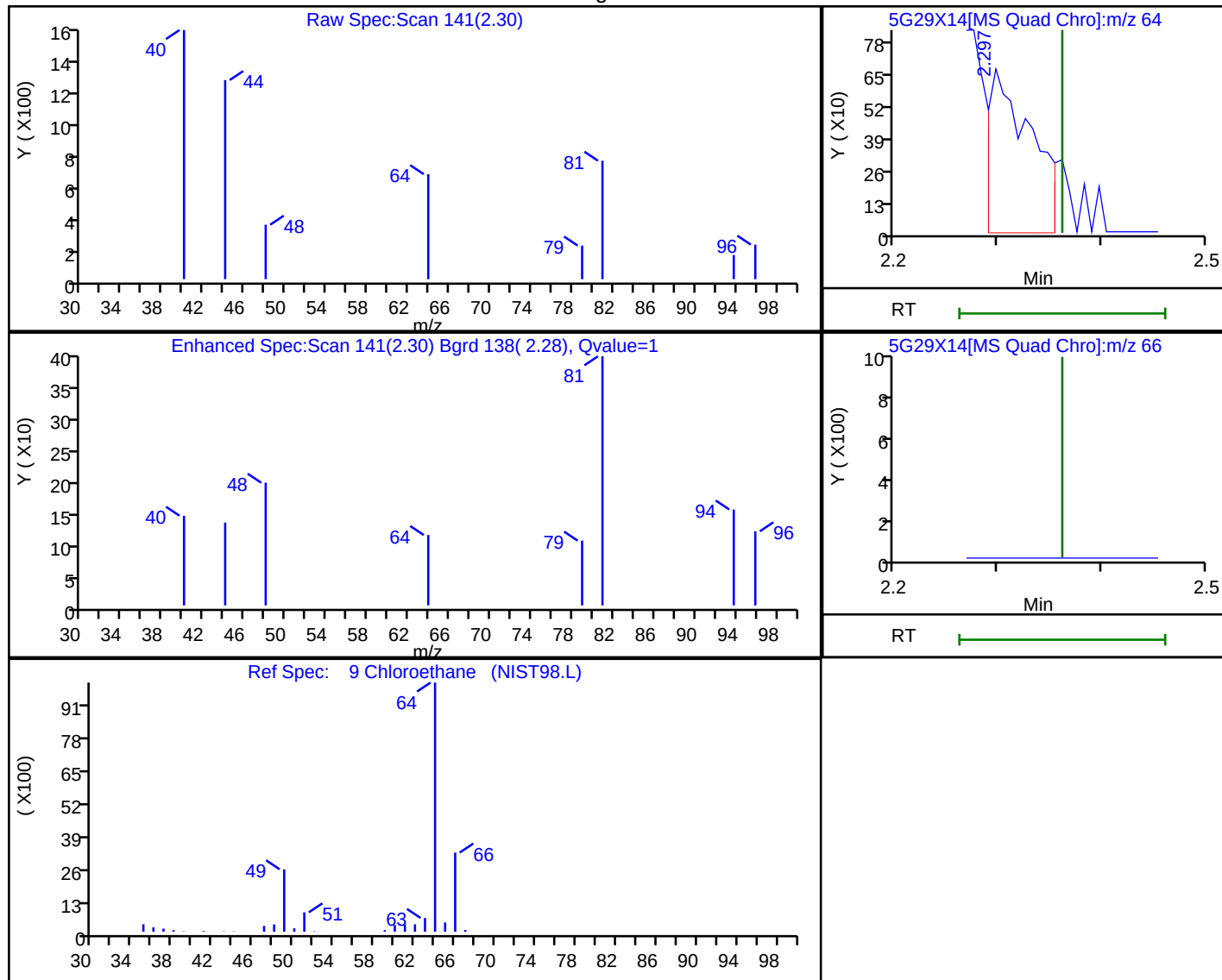
18 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X14.D
Injection Date: 29-Aug-2024 15:47:56 Instrument ID: HP22820
Lims ID: 410-186273-A-6 Lab Sample ID: 410-186273-6
Client ID: 1523
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.30	64.00	1759	0.335075
2.36	66.00	0	

Reviewer: MLX9, 30-Aug-2024 08:14:04 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1190 Lab Sample ID: 410-186273-7

Matrix: Air Lab File ID: 5G29X15.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 16:12

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1190	Lab Sample ID: 410-186273-7
Matrix: Air	Lab File ID: 5G29X15.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 16:12
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-186273-1

SDG No.:

Client Sample ID: 1190

Lab Sample ID: 410-186273-7

Matrix: Air

Lab File ID: 5G29X15.D

Analysis Method: TO-15

Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL)

Date Analyzed: 08/29/2024 16:12

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume:

Heated Purge: (Y/N) pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 545860

Units: ppb v/v

Preparation Batch No.:

Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

SDG No.:

Lab Sample ID: 410-186273-7

Lab File ID: 5G29X15.D

Date Collected: 08/28/2024 07:58

Date Analyzed: 08/29/2024 16:12

Dilution Factor: 1

GC Column: DB-624 30m ID: 0.25 (mm)

Heated Purge: (Y/N) pH:

Level: (low/med) Low

Units: ppb v/v

Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X15.D
Lims ID: 410-186273-A-7
Client ID: 1190
Sample Type: Client
Inject. Date: 29-Aug-2024 16:12:58 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1190
Misc. Info.: 410-0123593-015
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 30-Aug-2024 08:15:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.393	3.393	0.014	100	8635	0.7703	
* 39 Chlorobromomethane (IS)	130	5.305	5.306	-0.001	75	75519	10.0	
* 51 1,4-Difluorobenzene	114	6.136	6.129	0.007	91	191939	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	249852	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:22

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X15.D

Injection Date: 29-Aug-2024 16:12:58

Instrument ID: HP22820

Lims ID: 410-186273-A-7

Lab Sample ID: 410-186273-7

Client ID: 1190

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 15

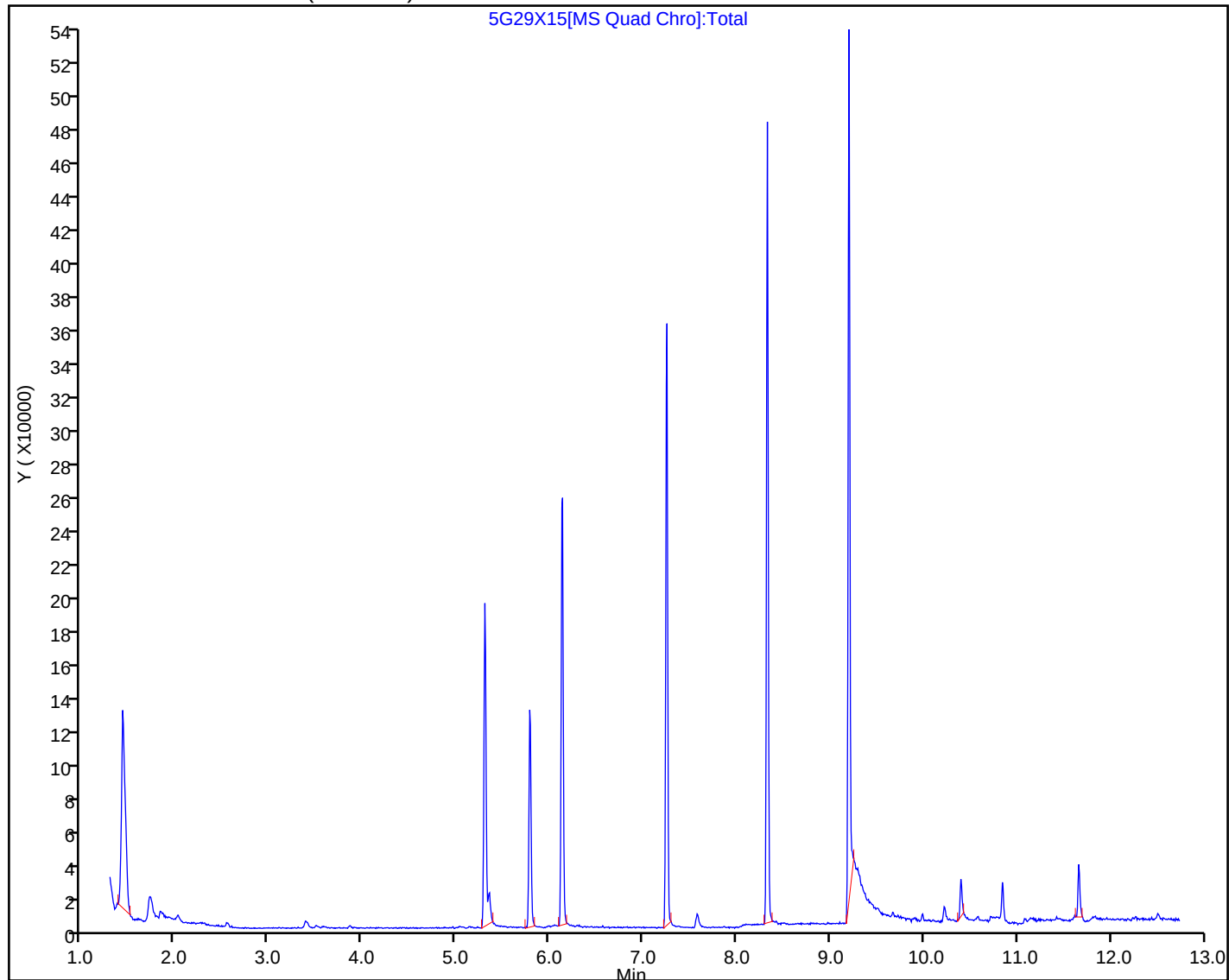
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

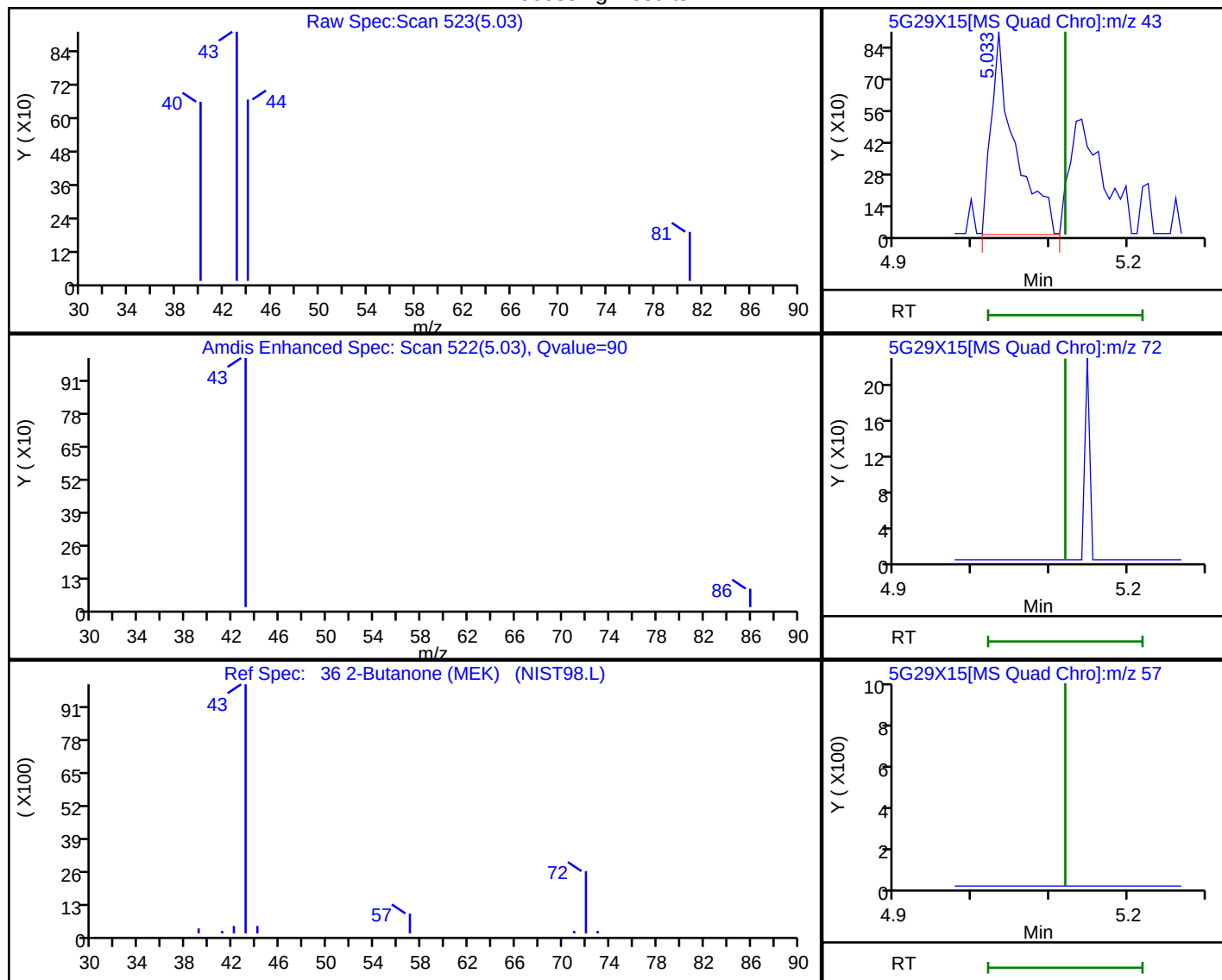


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X15.D
Injection Date: 29-Aug-2024 16:12:58 Instrument ID: HP22820
Lims ID: 410-186273-A-7 Lab Sample ID: 410-186273-7
Client ID: 1190
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.03	43.00	1926	0.166909
5.12	72.00	0	
5.12	57.00	0	

Reviewer: MLX9, 30-Aug-2024 08:15:02 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

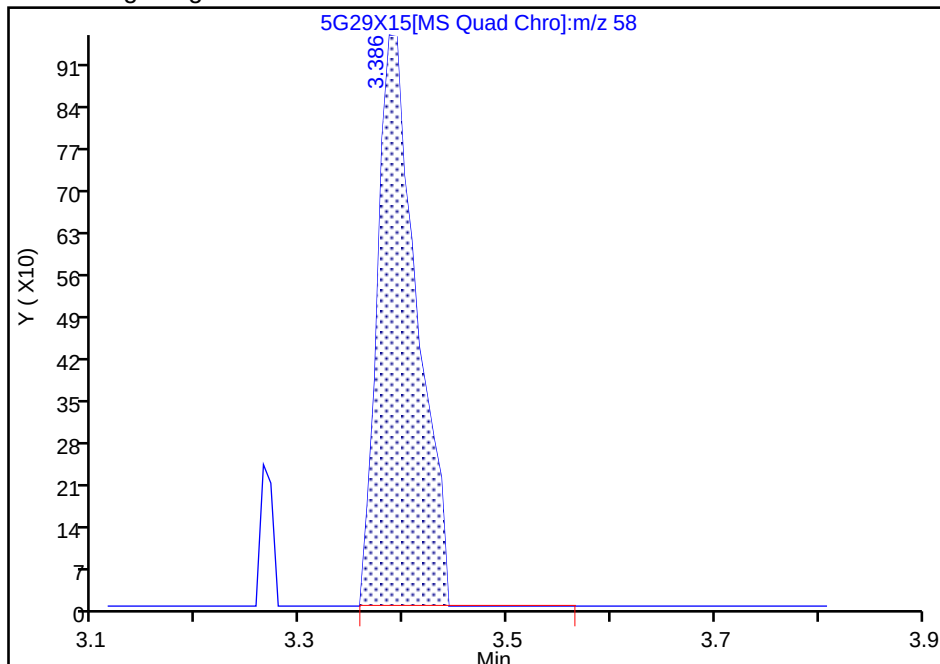
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X15.D				
Injection Date:	29-Aug-2024 16:12:58	Instrument ID:	HP22820		
Lims ID:	410-186273-A-7	Lab Sample ID:	410-186273-7		
Client ID:	1190				
Operator ID:	bc85445	ALS Bottle#:	0	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector:	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 2

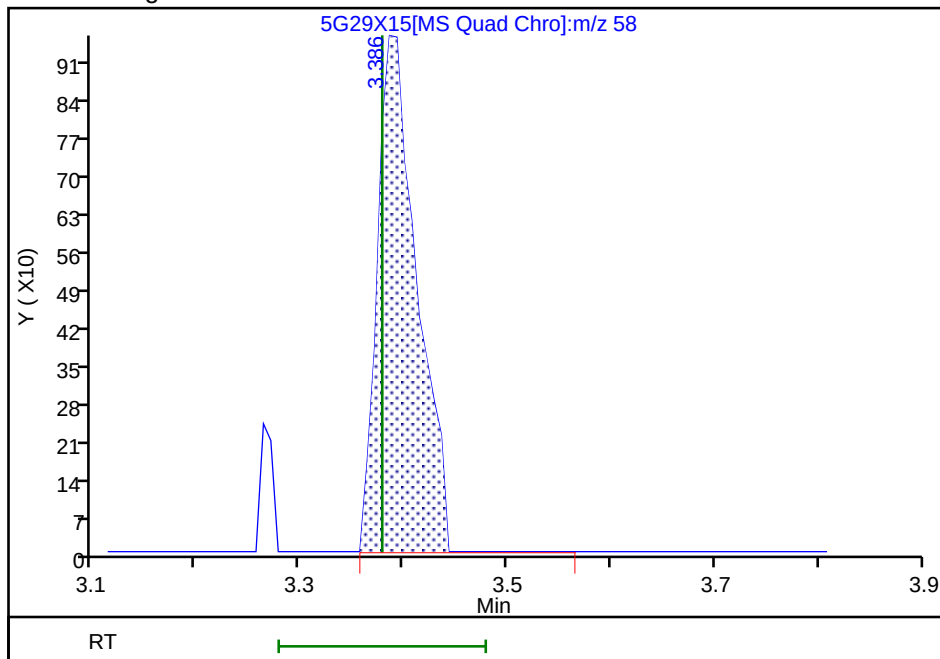
RT: 3.39
Area: 2511
Amount: 0.770306
Amount Units: ppb v/v

Processing Integration Results



RT: 3.39
Area: 2511
Amount: 0.770306
Amount Units: ppb v/v

Manual Integration Results



Reviewer: MLX9, 30-Aug-2024 08:15:05 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

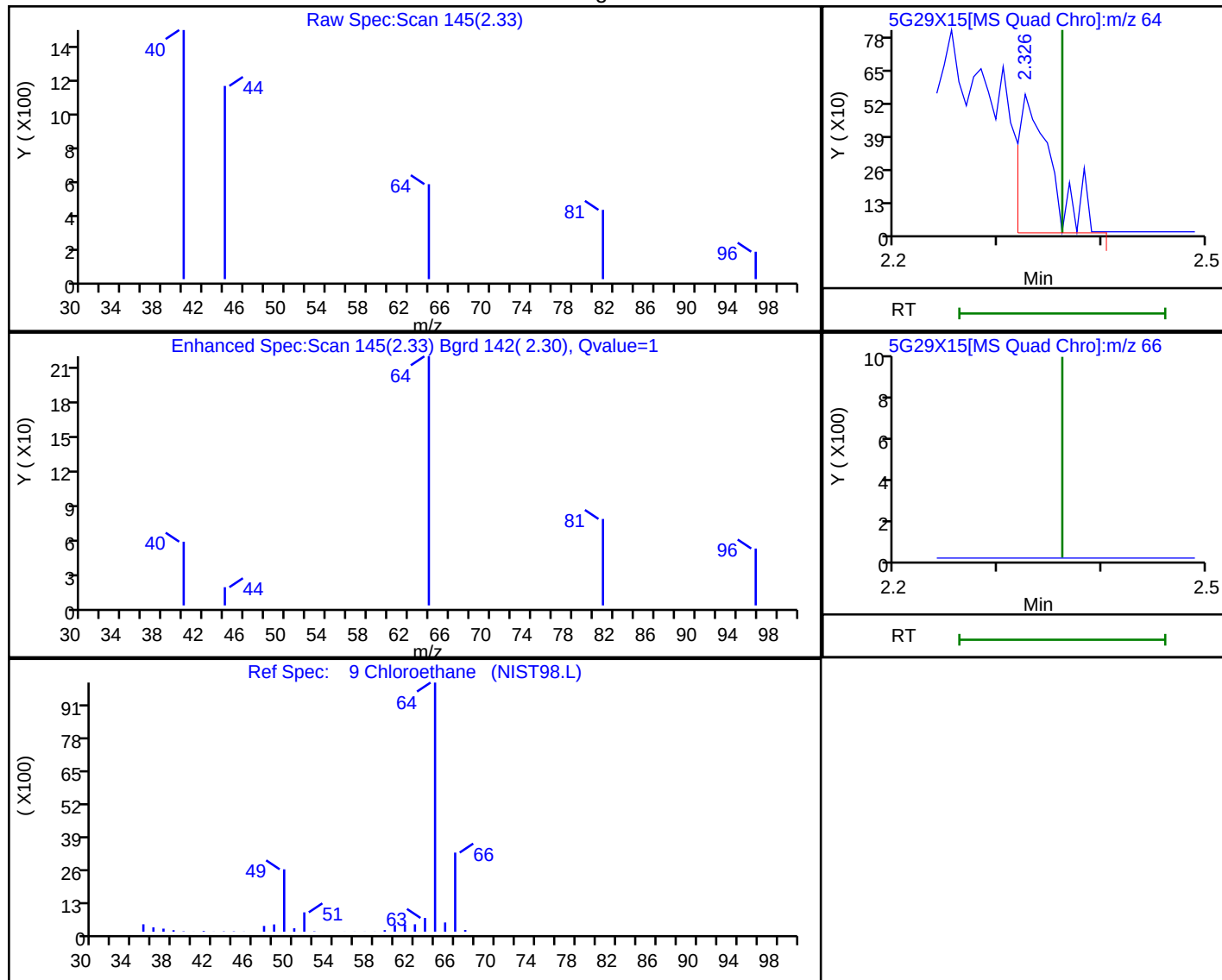
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X15.D
Injection Date: 29-Aug-2024 16:12:58 Instrument ID: HP22820
Lims ID: 410-186273-A-7 Lab Sample ID: 410-186273-7
Client ID: 1190
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.33	64.00	1116	0.209980
2.36	66.00	0	

Reviewer: MLX9, 30-Aug-2024 08:15:09 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1034	Lab Sample ID: 410-186273-8
Matrix: Air	Lab File ID: 5G29X16.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 16:37
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	0.21	J	1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	1.2	J	5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1034 Lab Sample ID: 410-186273-8

Matrix: Air Lab File ID: 5G29X16.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 16:37

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1034 Lab Sample ID: 410-186273-8

Matrix: Air Lab File ID: 5G29X16.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 16:37

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

Lab Sample ID: 410-186273-8

Lab File ID: 5G29X16.D

Date Collected: 08/28/2024 07:58

Date Analyzed: 08/29/2024 16:37

Dilution Factor: 1

GC Column: DB-624 30m ID: 0.25 (mm)

Heated Purge: (Y/N) pH:

Level: (low/med) Low

Units: ppb v/v

Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X16.D
Lims ID: 410-186273-A-8
Client ID: 1034
Sample Type: Client
Inject. Date: 29-Aug-2024 16:37:59 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1034
Misc. Info.: 410-0123593-016
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 30-Aug-2024 08:16:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.386	3.393	0.007	96	13605	1.19	
36 2-Butanone (MEK)	43	5.134	5.134	0.015	96	2500	0.2116	
* 39 Chlorobromomethane (IS)	130	5.306	5.306	0.000	76	77340	10.0	
* 51 1,4-Difluorobenzene	114	6.129	6.129	0.000	91	191915	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	249251	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:23

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X16.D

Injection Date: 29-Aug-2024 16:37:59

Instrument ID: HP22820

Lims ID: 410-186273-A-8

Lab Sample ID: 410-186273-8

Client ID: 1034

Operator ID: bcb85445

ALS Bottle#: 0 Worklist Smp#: 16

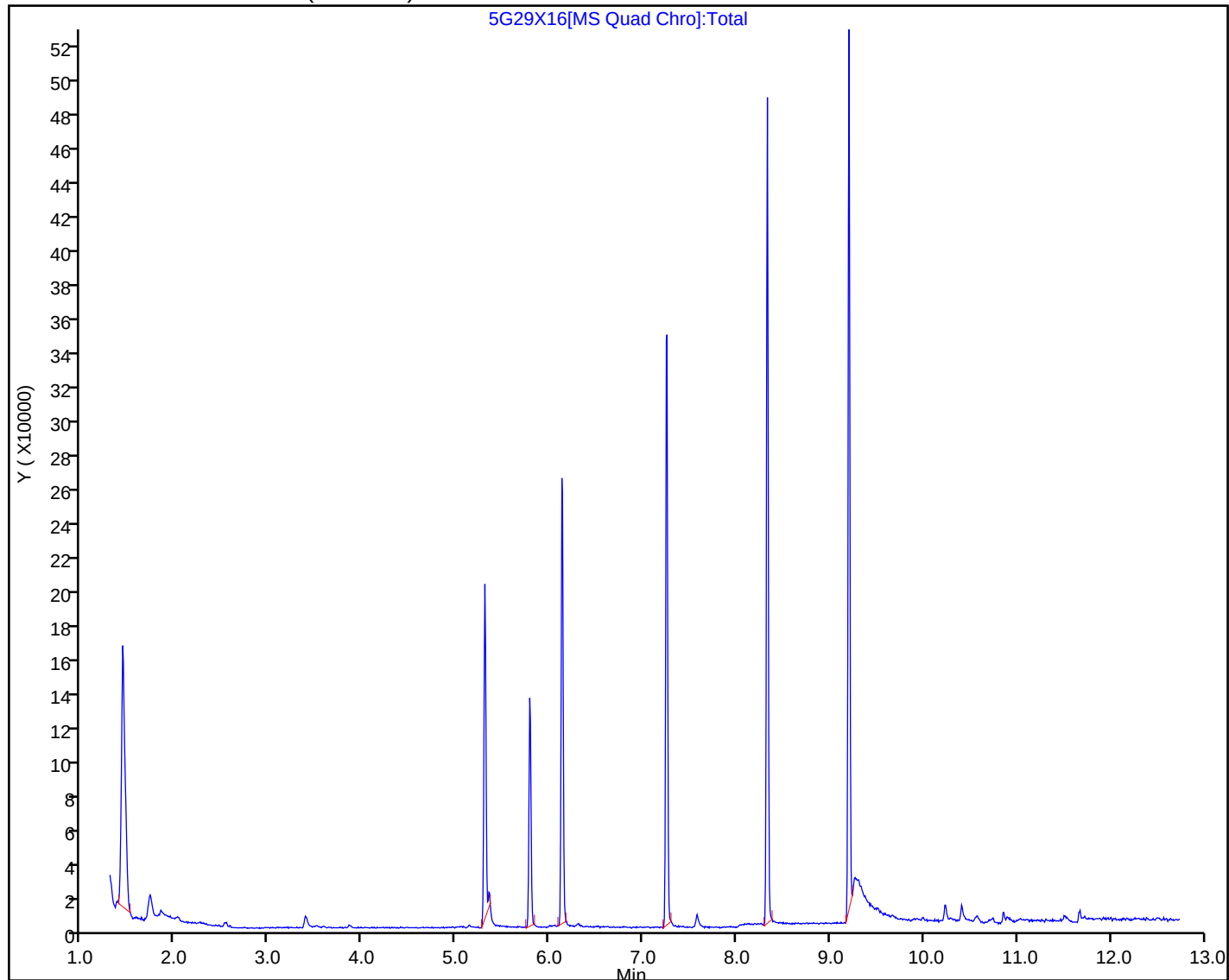
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X16.D

Injection Date: 29-Aug-2024 16:37:59

Instrument ID: HP22820

Lims ID: 410-186273-A-8

Lab Sample ID: 410-186273-8

Client ID: 1034

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 16

Purge Vol: 200.000 mL

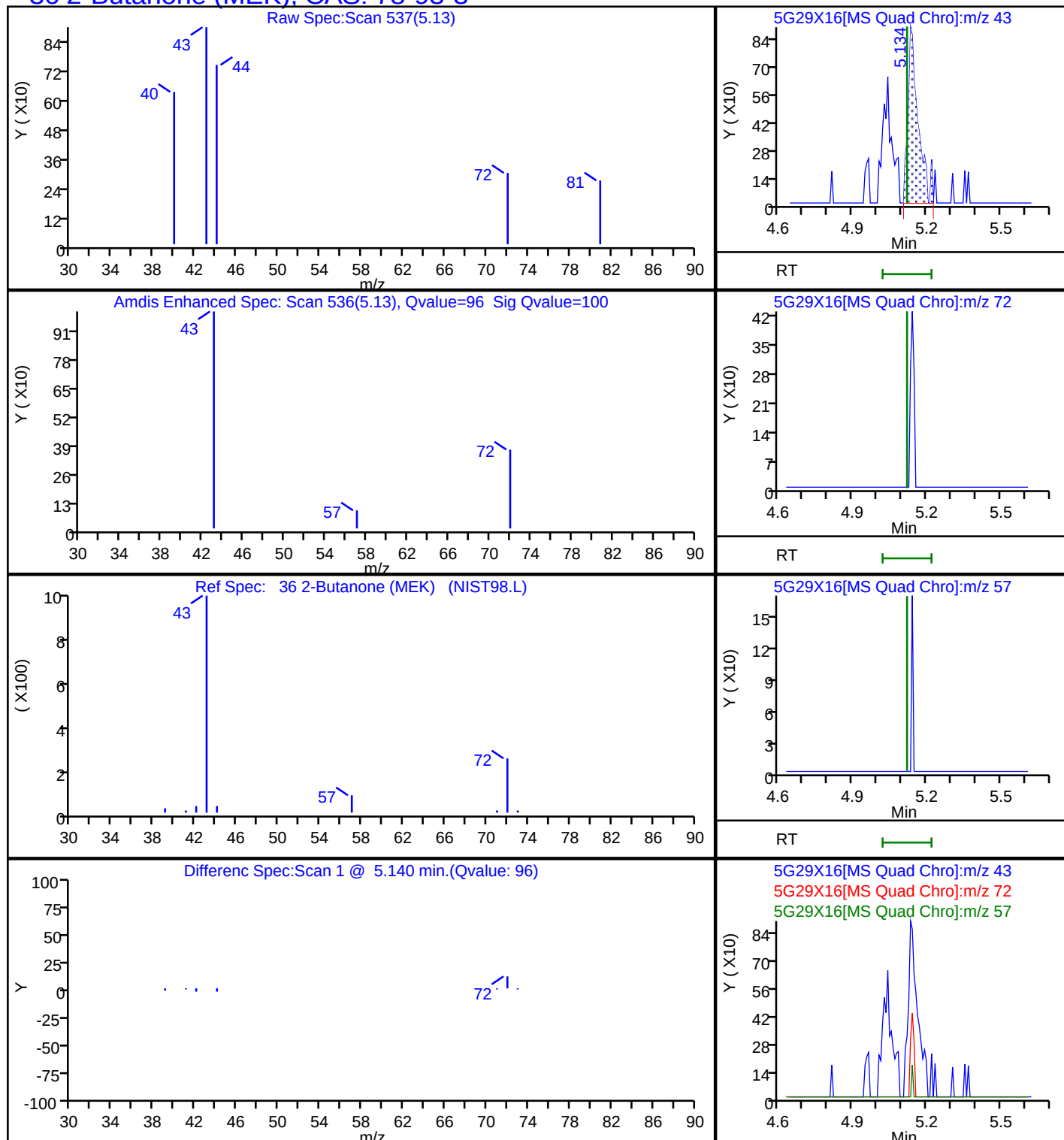
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X16.D

Injection Date: 29-Aug-2024 16:37:59

Instrument ID: HP22820

Lims ID: 410-186273-A-8

Lab Sample ID: 410-186273-8

Client ID: 1034

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 16

Purge Vol: 200.000 mL

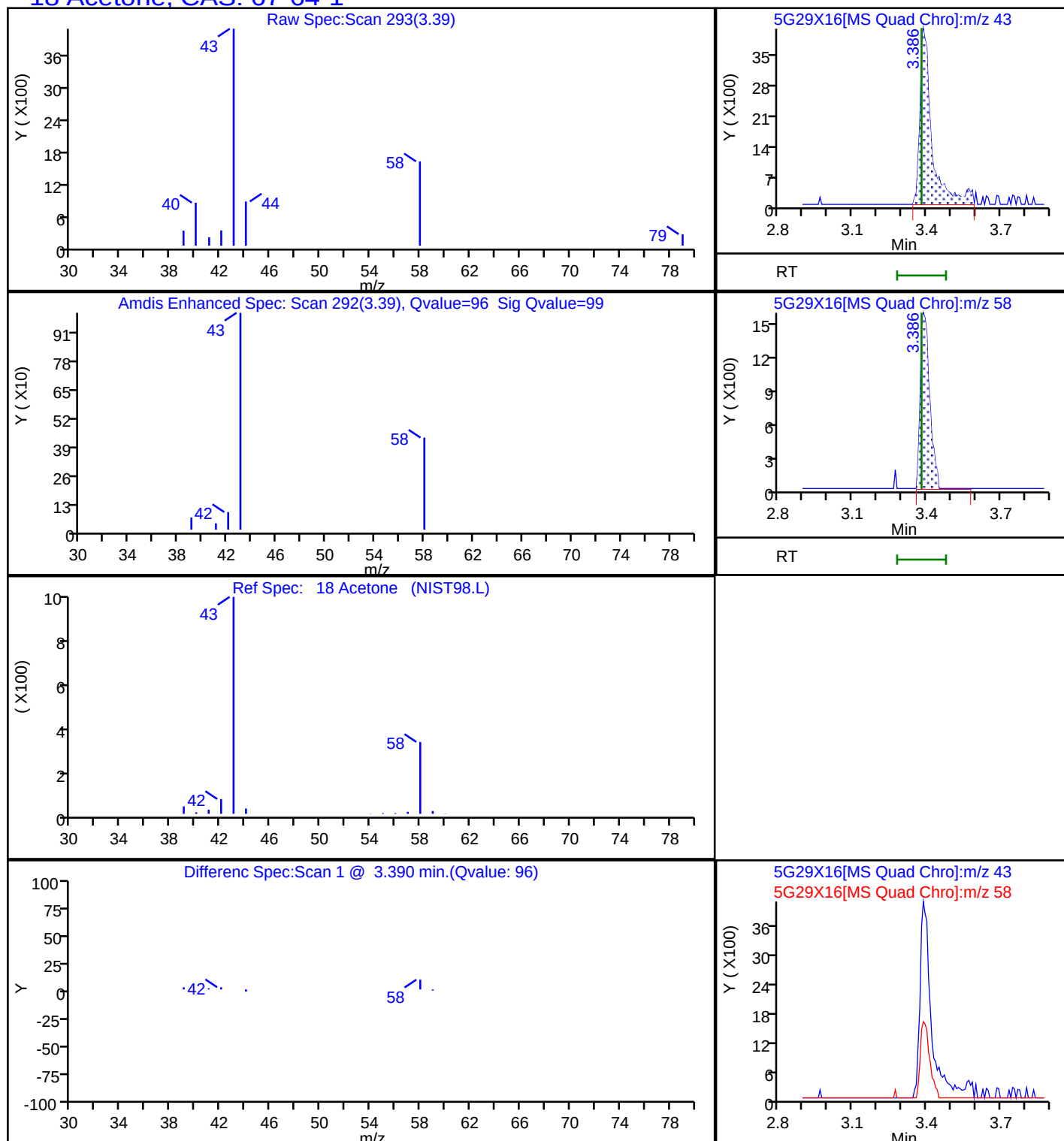
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

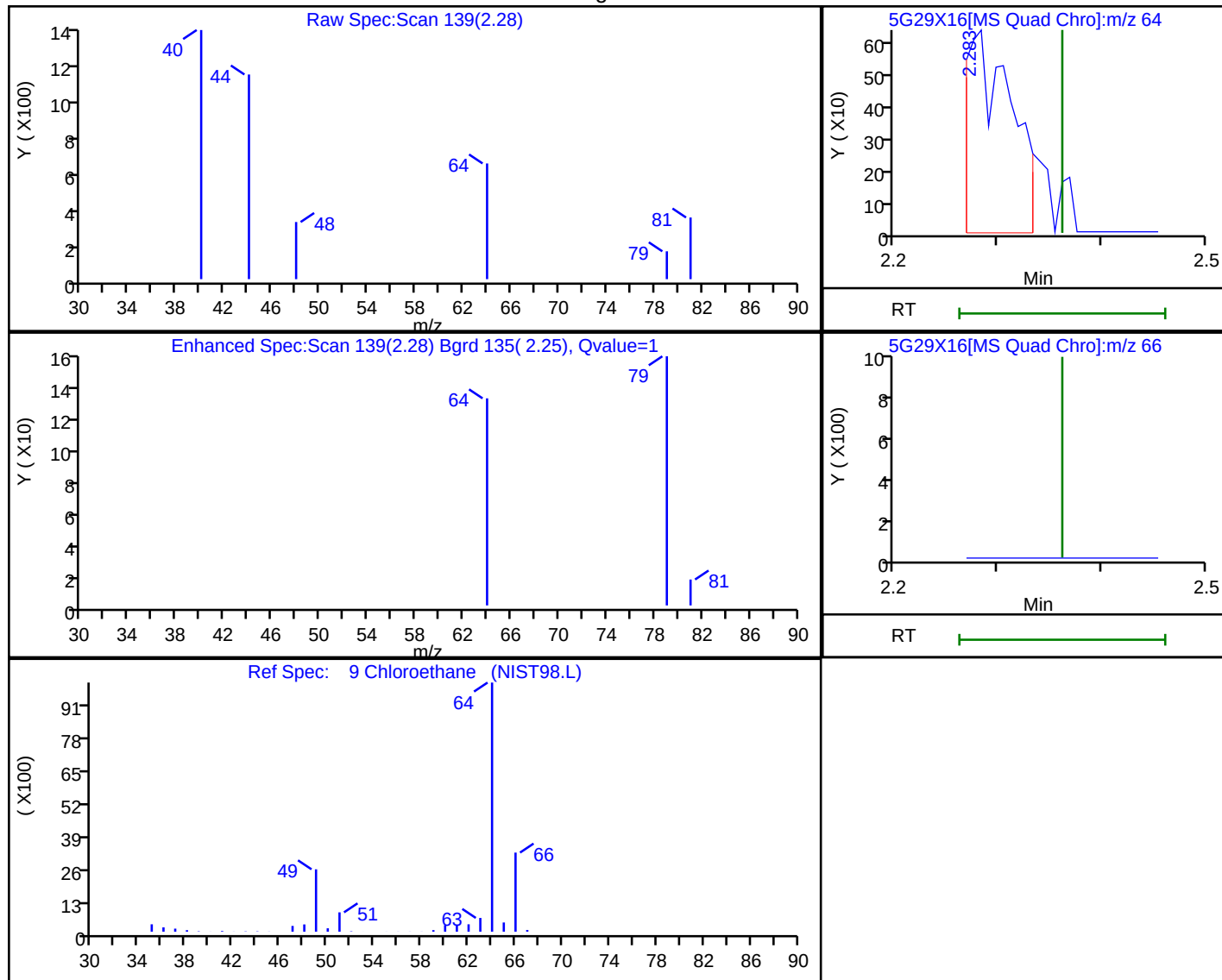
18 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X16.D
Injection Date: 29-Aug-2024 16:37:59 Instrument ID: HP22820
Lims ID: 410-186273-A-8 Lab Sample ID: 410-186273-8
Client ID: 1034
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.28	64.00	1772	0.325558
2.36	66.00	0	

Reviewer: MLX9, 30-Aug-2024 08:16:03 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1443 Lab Sample ID: 410-197119-1

Matrix: Air Lab File ID: 6N15X16.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 15:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-197119-1
SDG No.:	
Client Sample ID: 1443	Lab Sample ID: 410-197119-1
Matrix: Air	Lab File ID: 6N15X16.D
Analysis Method: TO-15	Date Collected: 11/15/2024 09:32
Sample wt/vol: 200 (mL)	Date Analyzed: 11/15/2024 15:32
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: Rtx-VMS 60m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 575423	Units: ppb v/v
Preparation Batch No.:	Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1443 Lab Sample ID: 410-197119-1

Matrix: Air Lab File ID: 6N15X16.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 15:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Client Sample ID: 1443

Lab Sample ID: 410-197119-1

Lab File ID: 6N15X16.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 15:32

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D
Lims ID: 410-197119-A-1
Client ID: 1443
Sample Type: Client
Inject. Date: 15-Nov-2024 15:32:53 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1443
Misc. Info.: 410-0130751-015
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:45:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.415	3.426	0.003	66	4866	0.8345	a
21 Carbon disulfide	76	3.599	3.599	0.000	62	1607	0.0853	
* 39 Chlorobromomethane (IS)	130	5.192	5.196	-0.004	76	96778	10.0	
49 Isooctane	57	5.874	5.871	0.007	35	2385	0.0826	
* 52 1,4-Difluorobenzene	114	6.137	6.137	0.000	91	338163	10.0	
70 Tetrachloroethene	166	7.981	7.981	0.000	84	3243	0.1590	
* 74 Chlorobenzene-d5 (IS)	117	8.690	8.690	0.000	80	327137	10.0	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:23

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D

Injection Date: 15-Nov-2024 15:32:53

Instrument ID: HP26379

Lims ID: 410-197119-A-1

Lab Sample ID: 410-197119-1

Client ID: 1443

Operator ID: sn105465

ALS Bottle#: 7 Worklist Smp#: 15

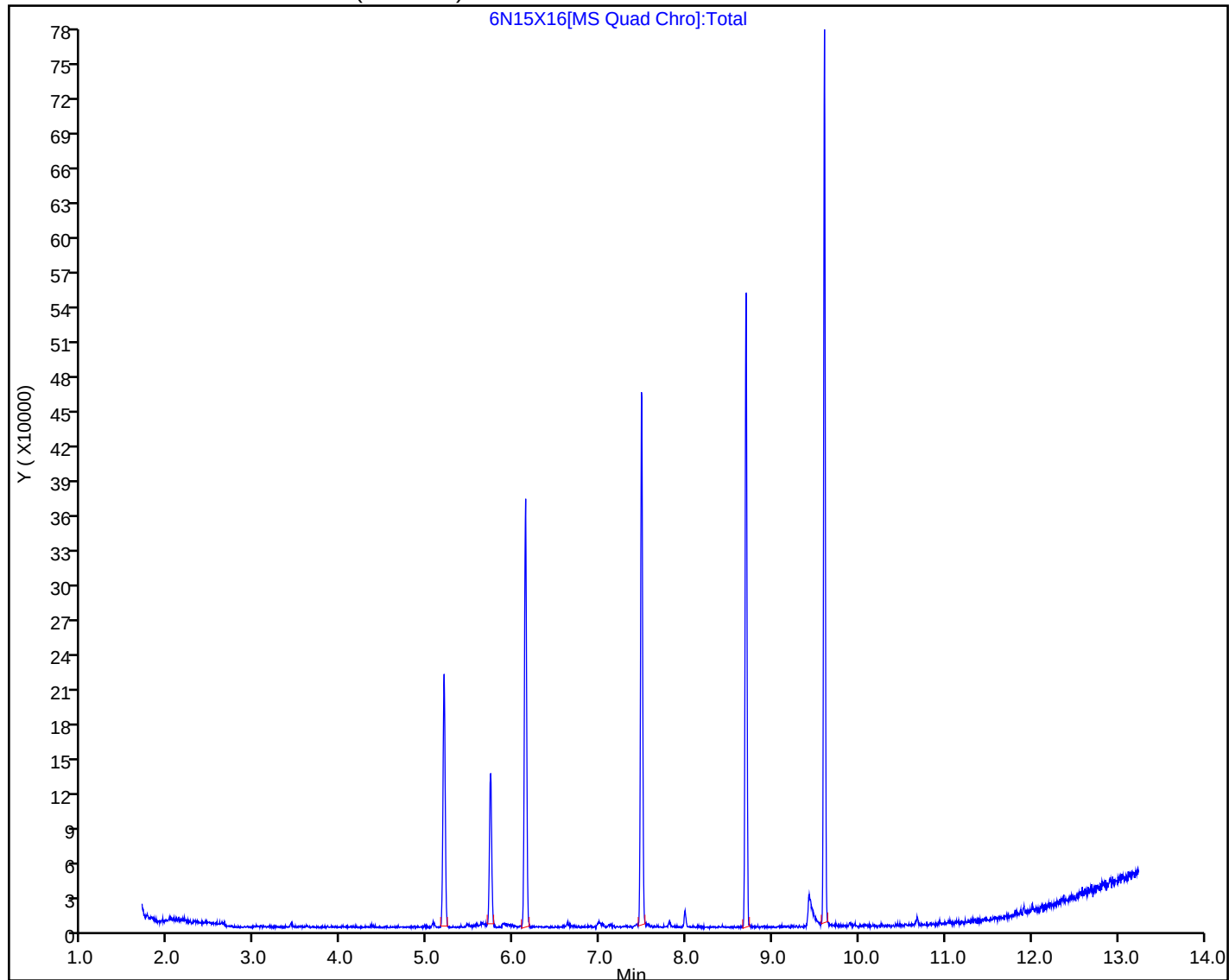
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)

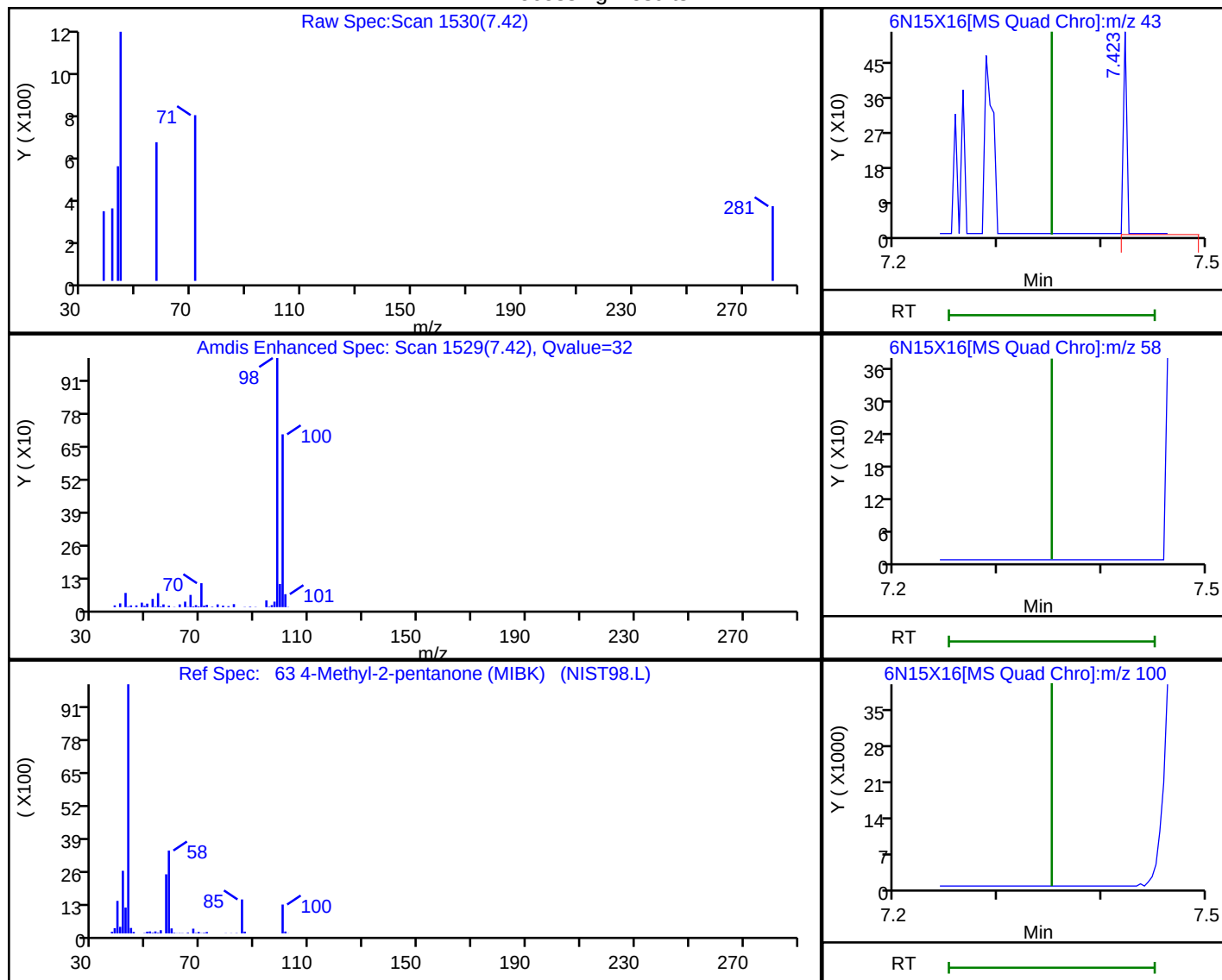


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D
Injection Date: 15-Nov-2024 15:32:53 Instrument ID: HP26379
Lims ID: 410-197119-A-1 Lab Sample ID: 410-197119-1
Client ID: 1443
Operator ID: sn105465 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

63 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.42	43.00	680	0.084200
7.48	58.00	1772	
7.48	100.00	213940	

Reviewer: D7UM, 17-Nov-2024 09:45:09 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D				
Injection Date:	15-Nov-2024 15:32:53	Instrument ID:	HP26379		
Lims ID:	410-197119-A-1	Lab Sample ID:	410-197119-1		
Client ID:	1443				
Operator ID:	sn105465	ALS Bottle#:	7	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

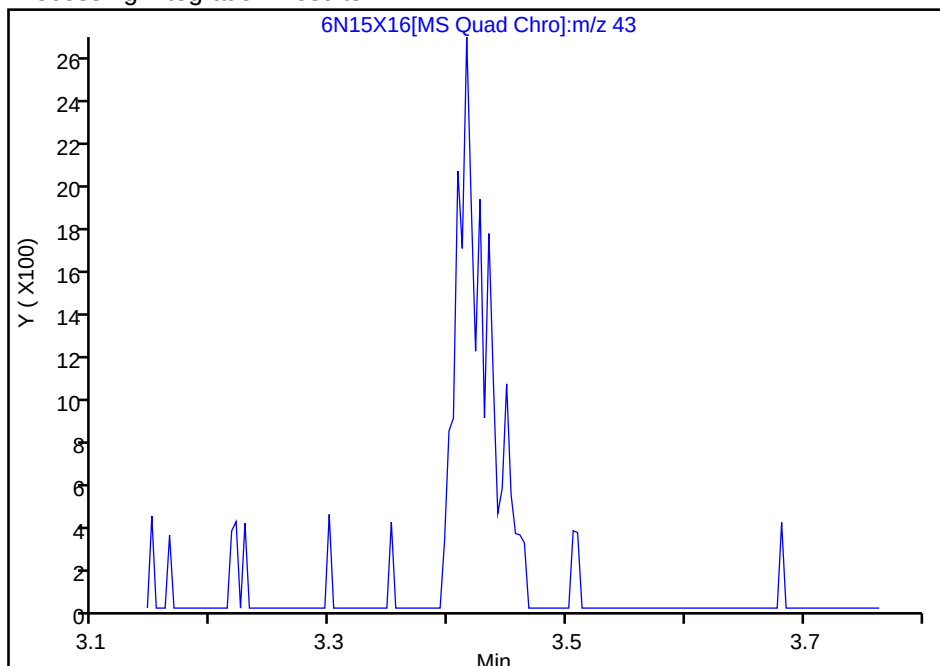
18 Acetone, CAS: 67-64-1

Signal: 1

Not Detected

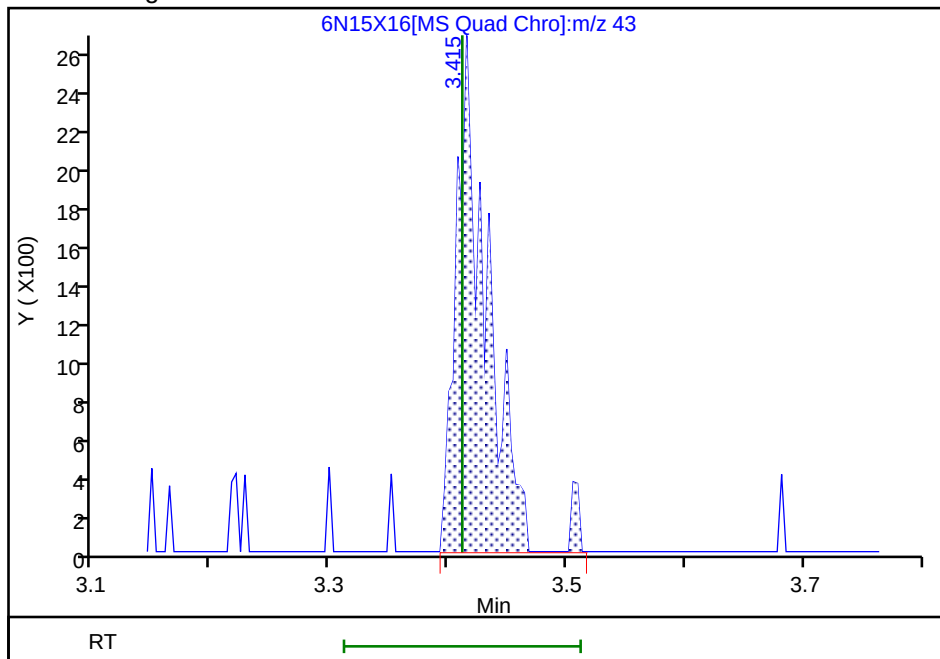
Expected RT: 3.41

Processing Integration Results



Manual Integration Results

RT: 3.42
Area: 4866
Amount: 0.834474
Amount Units: ppb v/v



Reviewer: D7UM, 17-Nov-2024 09:44:49 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

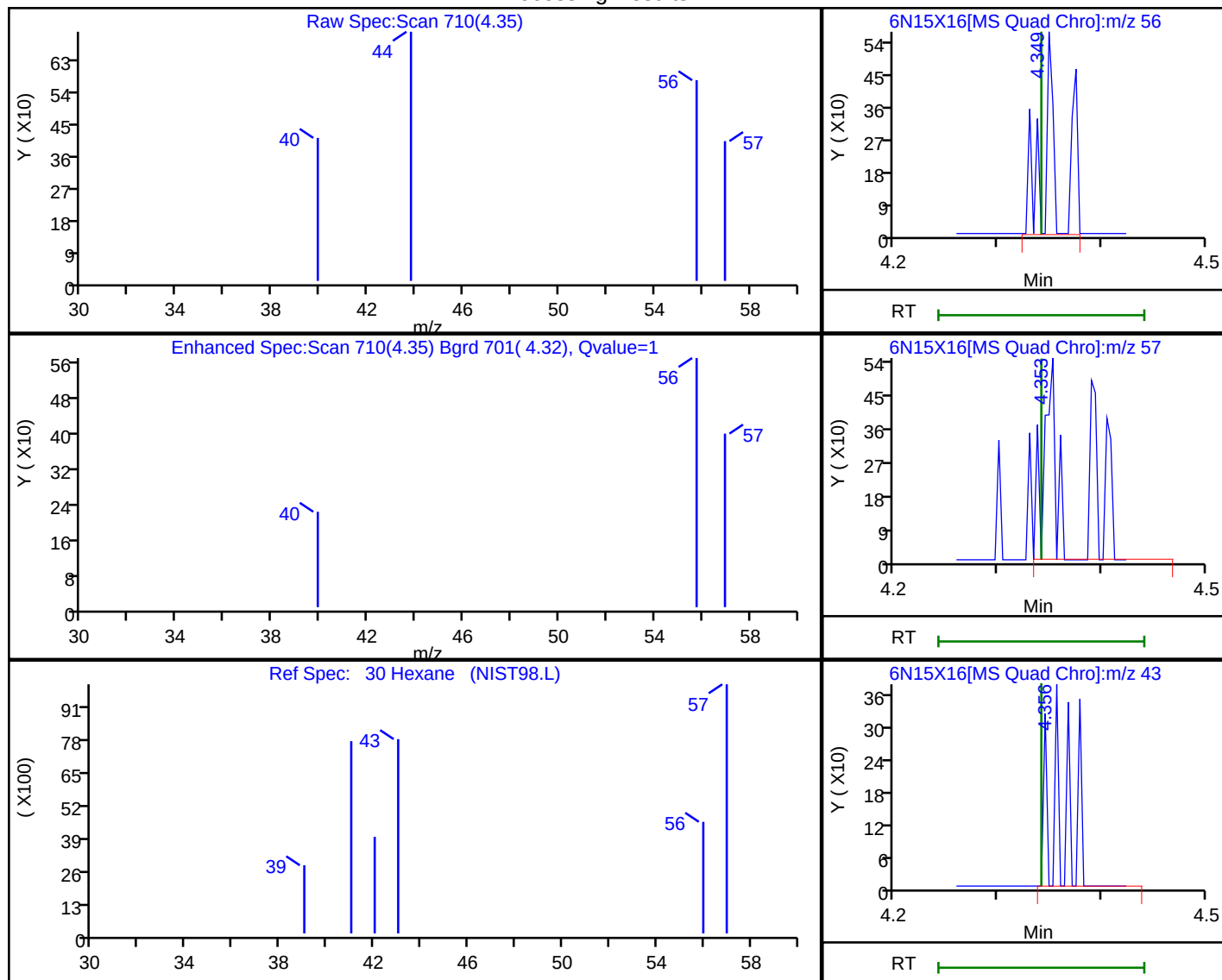
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D
Injection Date: 15-Nov-2024 15:32:53 Instrument ID: HP26379
Lims ID: 410-197119-A-1 Lab Sample ID: 410-197119-1
Client ID: 1443
Operator ID: sn105465 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.35	56.00	538	0.115511
4.35	57.00	833	
4.36	43.00	398	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:54:56 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

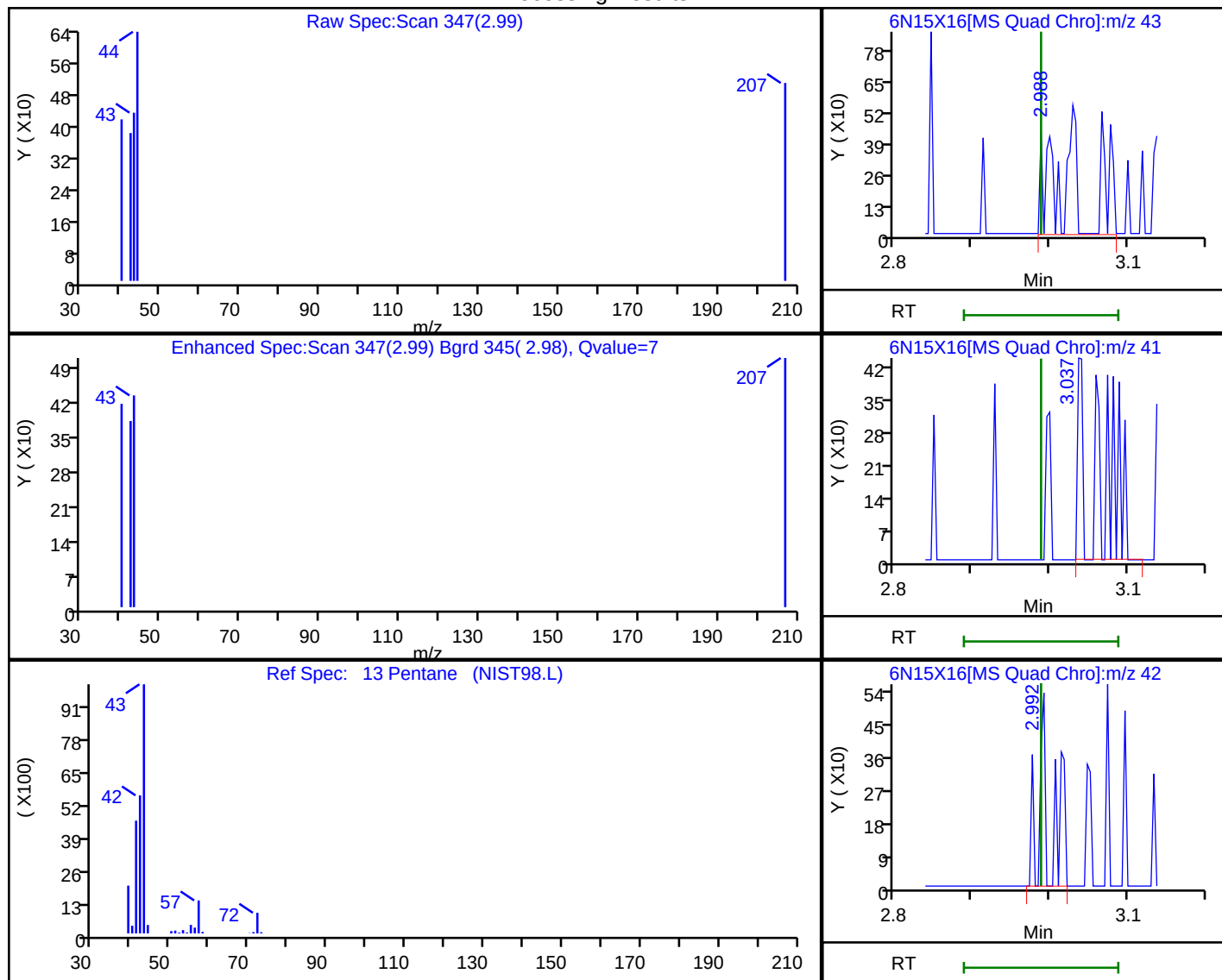
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D
Injection Date: 15-Nov-2024 15:32:53 Instrument ID: HP26379
Lims ID: 410-197119-A-1 Lab Sample ID: 410-197119-1
Client ID: 1443
Operator ID: sn105465 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
2.99	43.00	1145	0.160290
3.04	41.00	699	
2.99	42.00	526	

Reviewer: D7UM, 17-Nov-2024 09:44:42 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

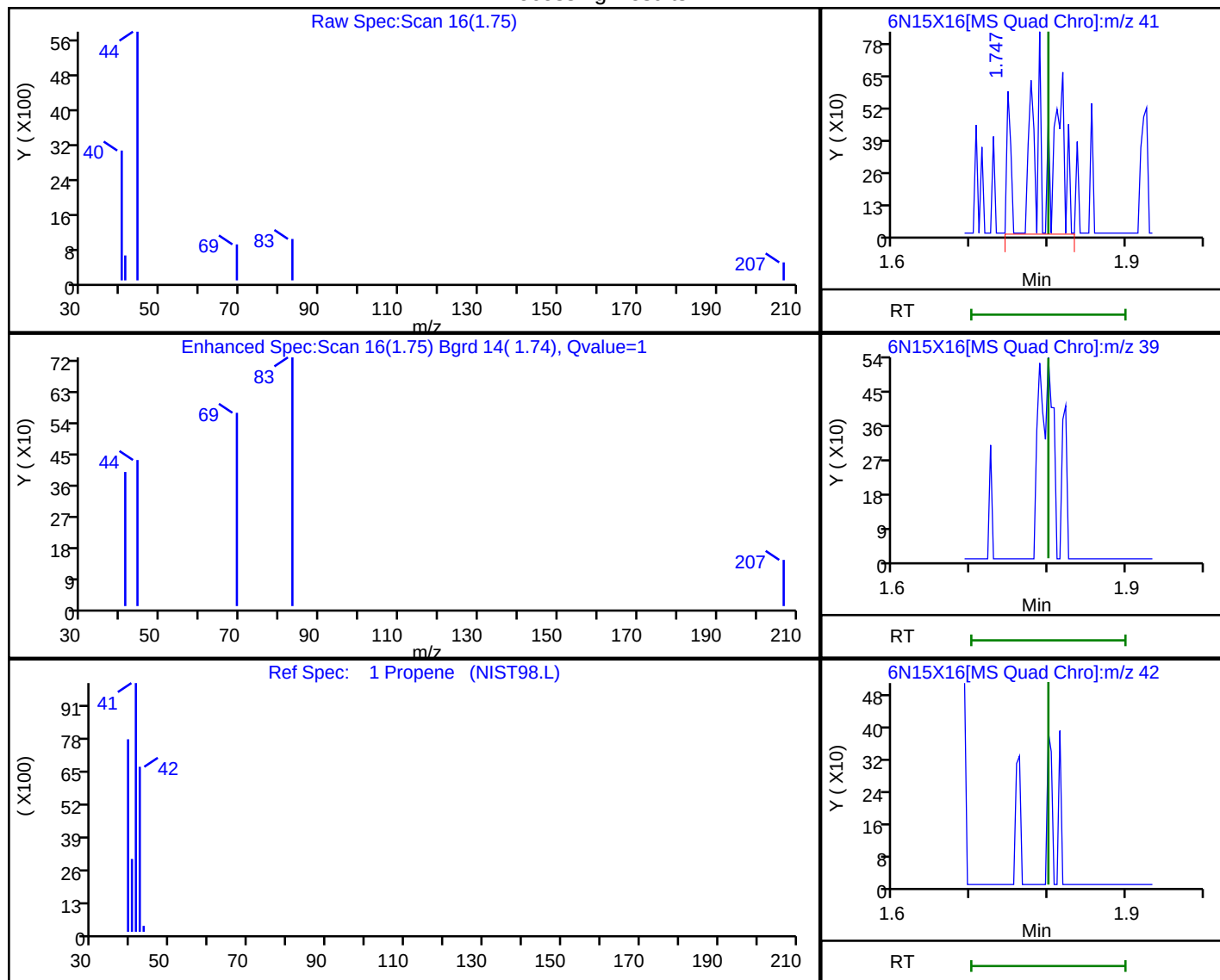
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D
Injection Date: 15-Nov-2024 15:32:53 Instrument ID: HP26379
Lims ID: 410-197119-A-1 Lab Sample ID: 410-197119-1
Client ID: 1443
Operator ID: sn105465 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.75	41.00	1369	0.390578
1.80	39.00	0	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:44:38 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

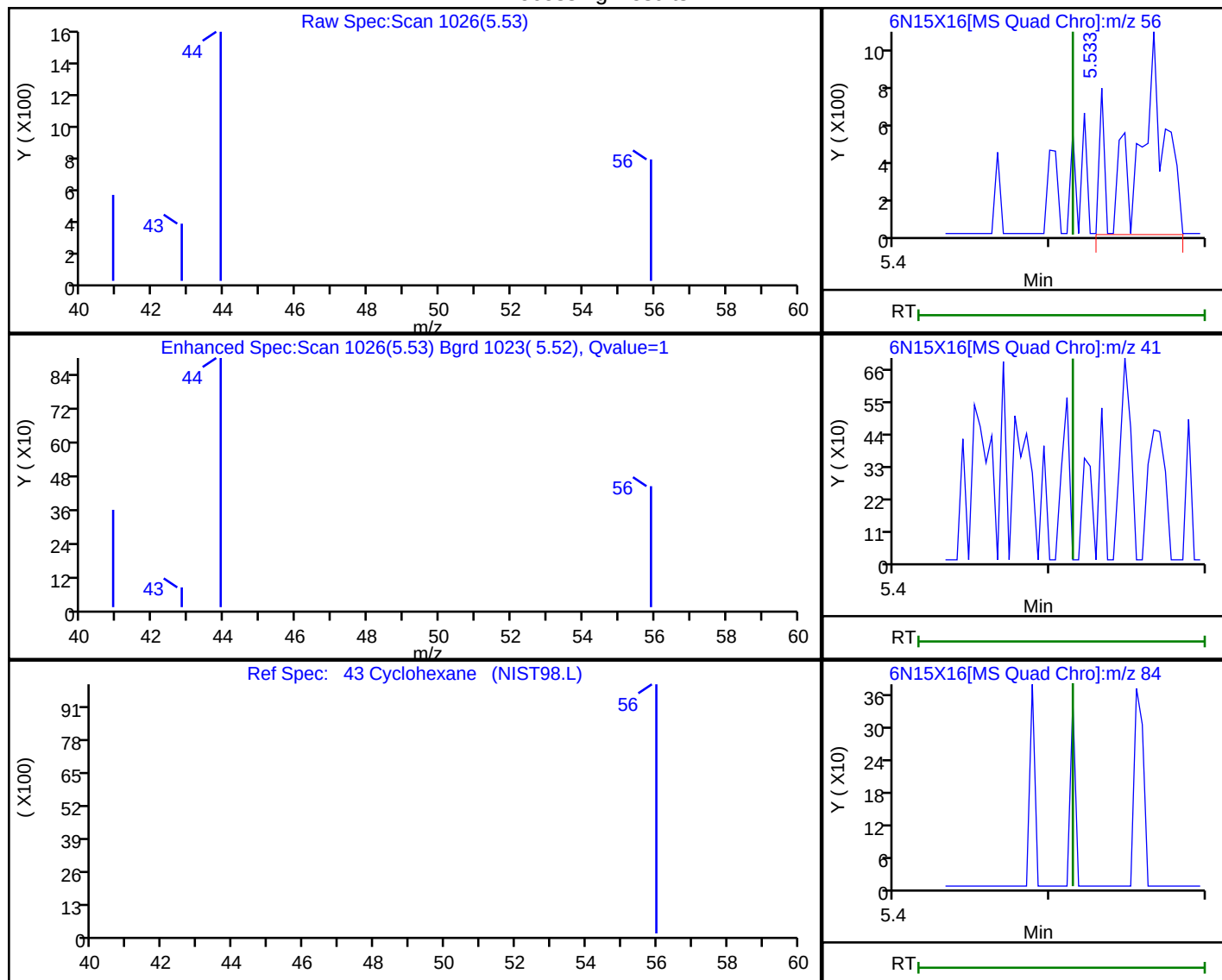
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D
Injection Date: 15-Nov-2024 15:32:53 Instrument ID: HP26379
Lims ID: 410-197119-A-1 Lab Sample ID: 410-197119-1
Client ID: 1443
Operator ID: sn105465 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.53	56.00	1314	0.141049
5.55	41.00	785	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:45:02 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1117 Lab Sample ID: 410-197119-2

Matrix: Air Lab File ID: 6N15X17.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:01

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1117 Lab Sample ID: 410-197119-2

Matrix: Air Lab File ID: 6N15X17.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:01

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-197119-1
SDG No.:	
Client Sample ID: 1117	Lab Sample ID: 410-197119-2
Matrix: Air	Lab File ID: 6N15X17.D
Analysis Method: TO-15	Date Collected: 11/15/2024 09:32
Sample wt/vol: 200 (mL)	Date Analyzed: 11/15/2024 16:01
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: Rtx-VMS 60m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 575423	Units: ppb v/v
Preparation Batch No.:	Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Lab Sample ID: 410-197119-2

Lab File ID: 6N15X17.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 16:01

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X17.D
Lims ID: 410-197119-A-2
Client ID: 1117
Sample Type: Client
Inject. Date: 15-Nov-2024 16:01:15 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1117
Misc. Info.: 410-0130751-016
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:46:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.426	3.426	0.014	67	3067	0.5378	
21 Carbon disulfide	76	3.603	3.599	0.004	94	3290	0.1785	
* 39 Chlorobromomethane (IS)	130	5.188	5.196	-0.008	77	94647	10.0	
49 Isooctane	57	5.878	5.871	0.011	44	6072	0.2180	
* 52 1,4-Difluorobenzene	114	6.137	6.137	0.000	91	326137	10.0	
* 74 Chlorobenzene-d5 (IS)	117	8.693	8.690	0.003	80	315813	10.0	
106 Naphthalene	128	12.007	12.015	-0.008	94	11389	0.2683	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:25

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X17.D

Injection Date: 15-Nov-2024 16:01:15

Instrument ID: HP26379

Lims ID: 410-197119-A-2

Lab Sample ID: 410-197119-2

Client ID: 1117

Operator ID: sn105465

ALS Bottle#: 8 Worklist Smp#: 16

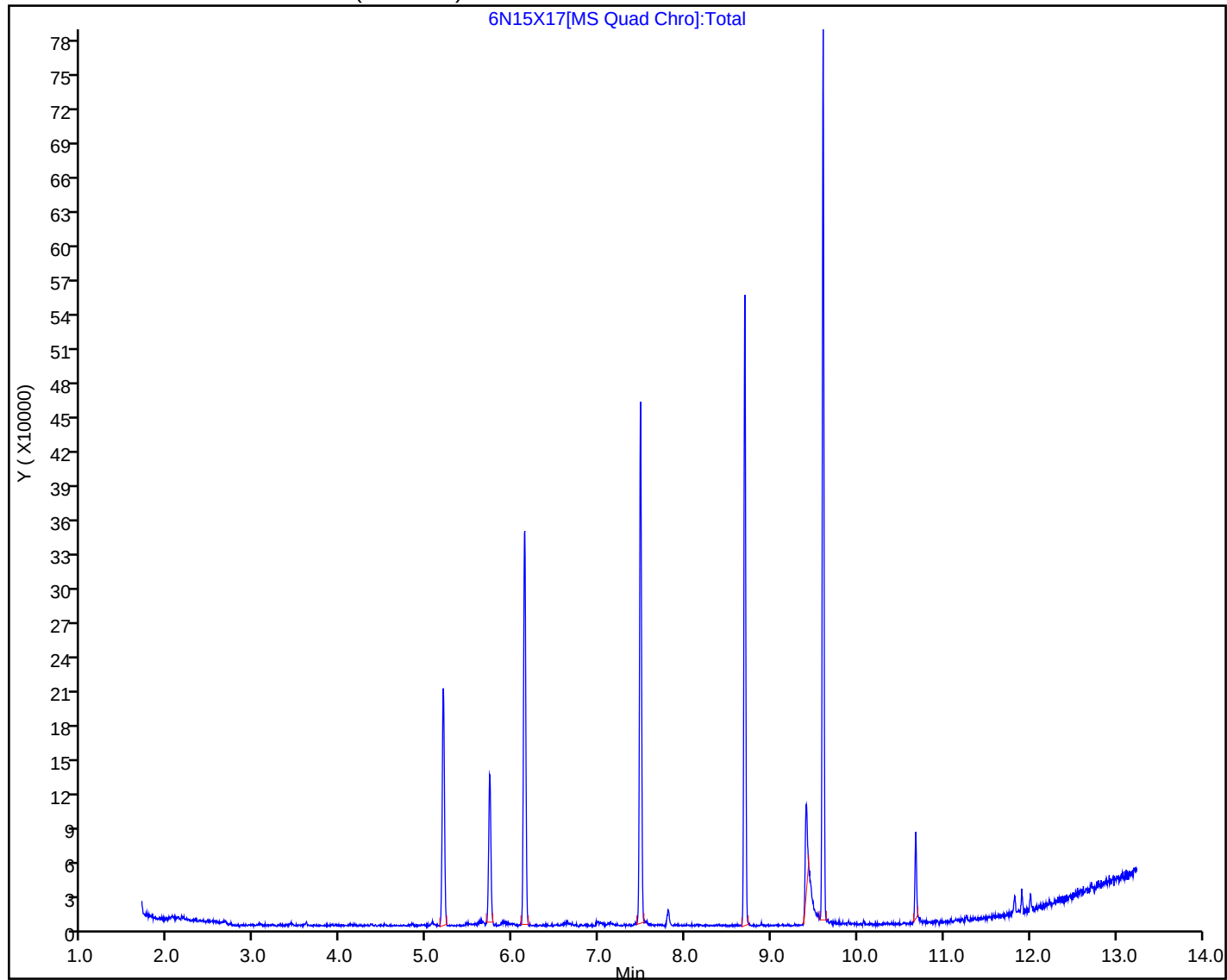
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)

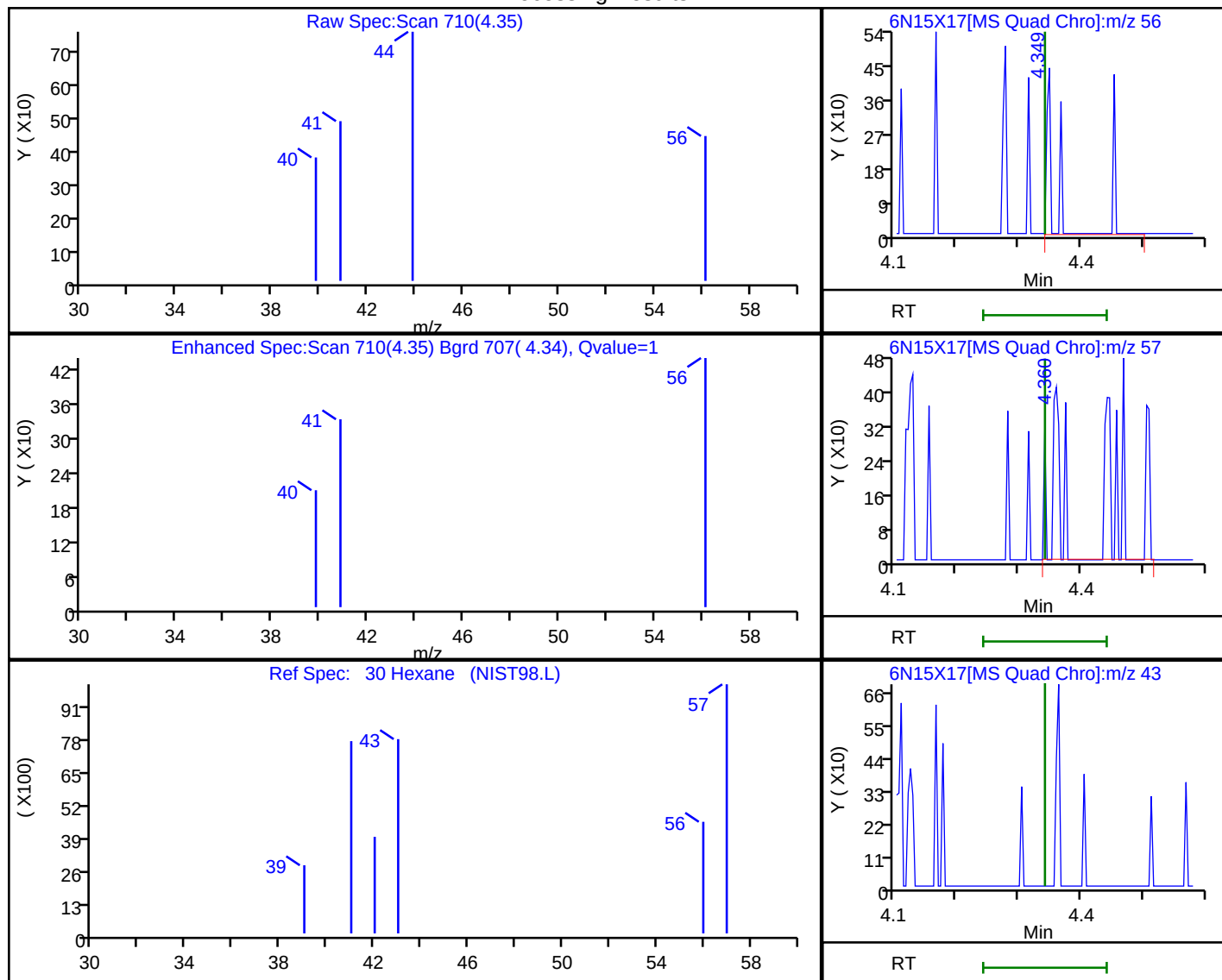


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X17.D
Injection Date: 15-Nov-2024 16:01:15 Instrument ID: HP26379
Lims ID: 410-197119-A-2 Lab Sample ID: 410-197119-2
Client ID: 1117
Operator ID: sn105465 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.35	56.00	344	0.075521
4.36	57.00	995	
4.34	43.00	0	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:45:50 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

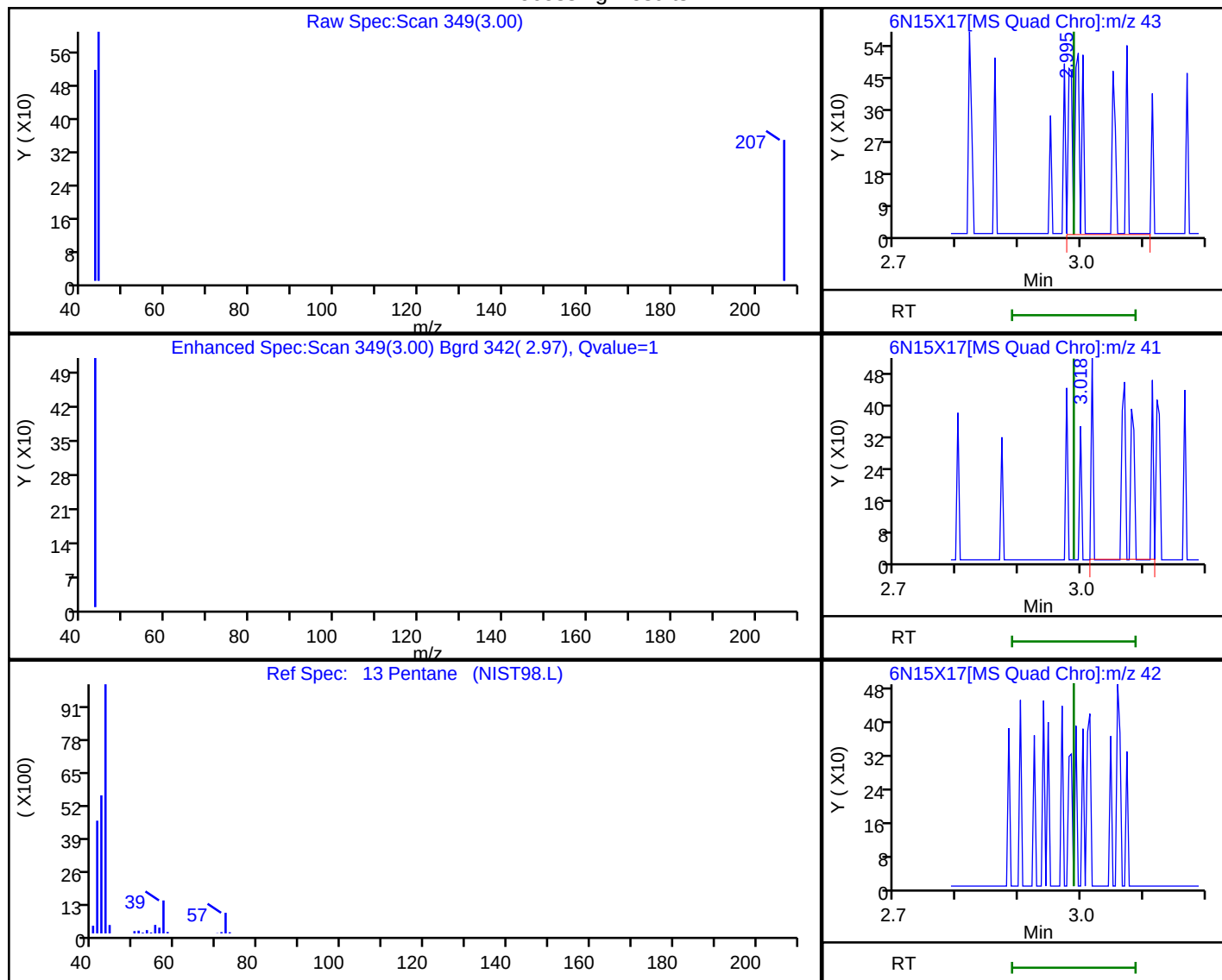
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X17.D
Injection Date: 15-Nov-2024 16:01:15 Instrument ID: HP26379
Lims ID: 410-197119-A-2 Lab Sample ID: 410-197119-2
Client ID: 1117
Operator ID: sn105465 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
3.00	43.00	840	0.120240
3.02	41.00	564	
2.99	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:45:43 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

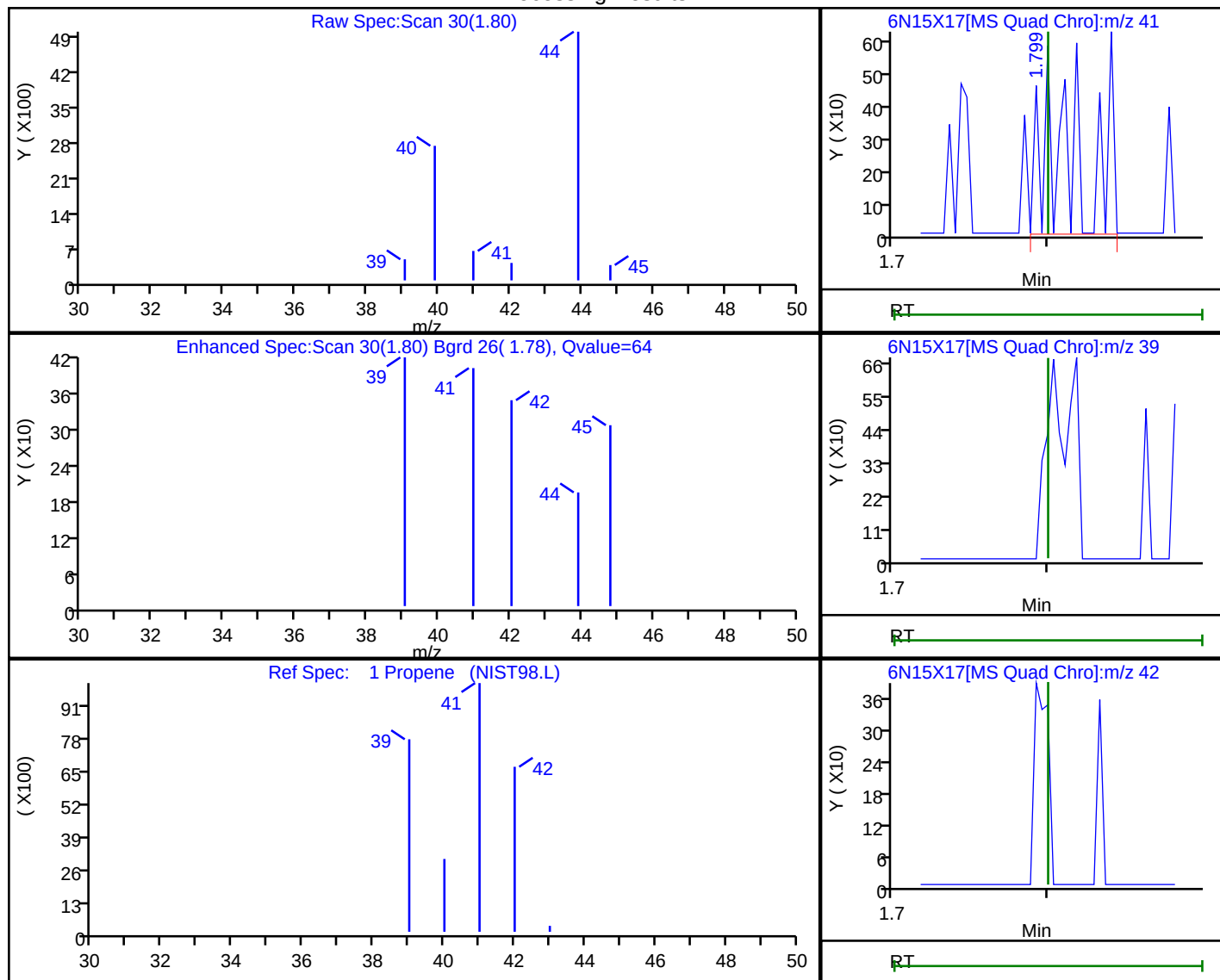
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X17.D
Injection Date: 15-Nov-2024 16:01:15 Instrument ID: HP26379
Lims ID: 410-197119-A-2 Lab Sample ID: 410-197119-2
Client ID: 1117
Operator ID: sn105465 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.80	41.00	786	0.229296
1.80	39.00	0	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:45:37 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

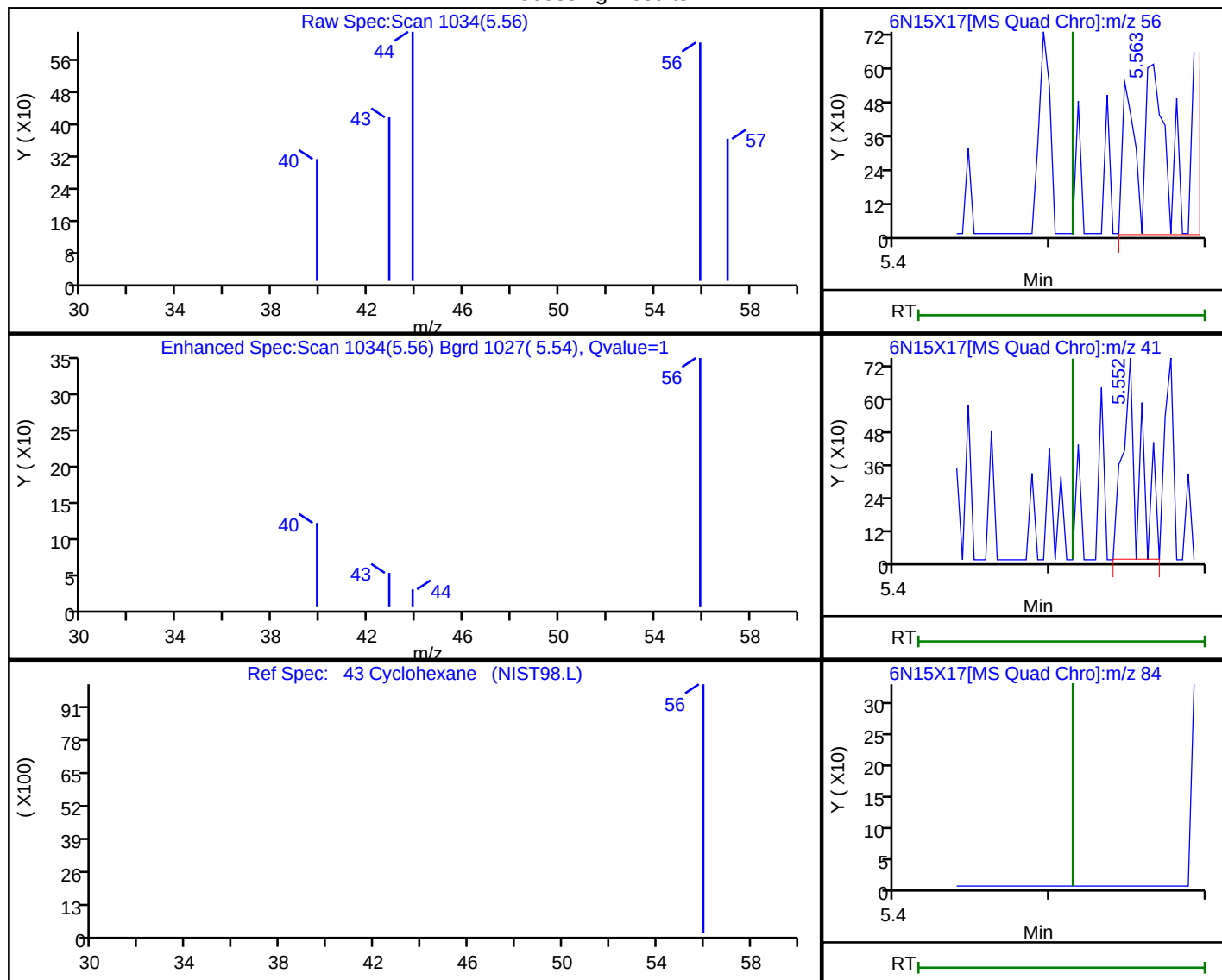
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X17.D
Injection Date: 15-Nov-2024 16:01:15 Instrument ID: HP26379
Lims ID: 410-197119-A-2 Lab Sample ID: 410-197119-2
Client ID: 1117
Operator ID: sn105465 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.56	56.00	1005	0.110309
5.55	41.00	566	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:45:54 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1192 Lab Sample ID: 410-197119-3

Matrix: Air Lab File ID: 6N15X18.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1192 Lab Sample ID: 410-197119-3

Matrix: Air Lab File ID: 6N15X18.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1192 Lab Sample ID: 410-197119-3

Matrix: Air Lab File ID: 6N15X18.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Client Sample ID: 1192

Lab Sample ID: 410-197119-3

Lab File ID: 6N15X18.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 16:29

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Lims ID: 410-197119-A-3
Client ID: 1192
Sample Type: Client
Inject. Date: 15-Nov-2024 16:29:37 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1192
Misc. Info.: 410-0130751-017
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:48:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.415	3.426	0.003	74	2303	0.3952	M
21 Carbon disulfide	76	3.595	3.599	-0.004	47	4956	0.2632	
* 39 Chlorobromomethane (IS)	130	5.192	5.196	-0.004	75	96704	10.0	
49 Isooctane	57	5.871	5.871	0.004	39	1118	0.0393	7M
* 52 1,4-Difluorobenzene	114	6.133	6.137	-0.004	91	333311	10.0	
* 74 Chlorobenzene-d5 (IS)	117	8.690	8.690	0.000	80	326468	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:26

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D

Injection Date: 15-Nov-2024 16:29:37

Instrument ID: HP26379

Lims ID: 410-197119-A-3

Lab Sample ID: 410-197119-3

Client ID: 1192

Operator ID: sn105465

ALS Bottle#: 9 Worklist Smp#: 17

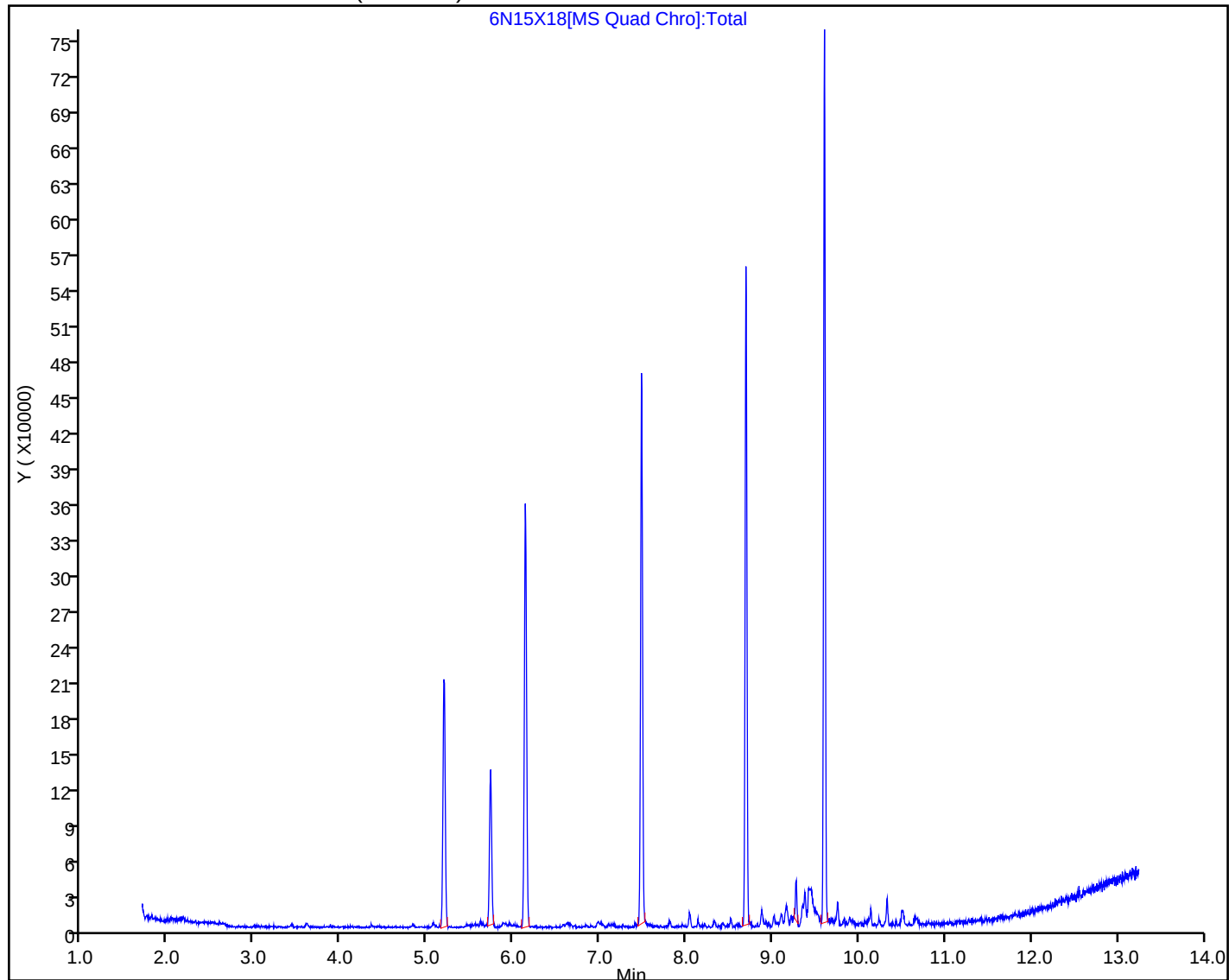
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)

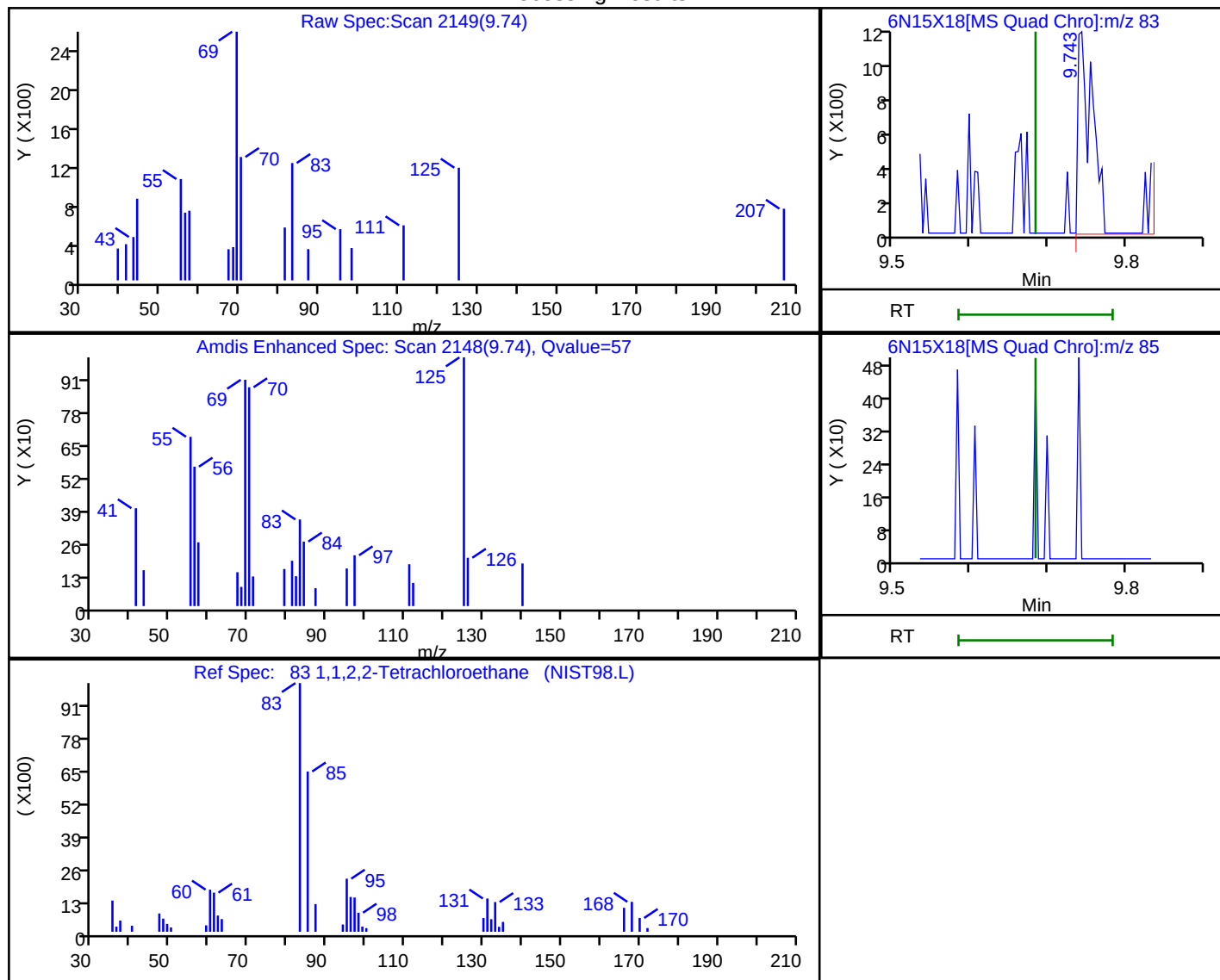


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
9.74	83.00	1673	0.091142
9.68	85.00	0	

Reviewer: D7UM, 17-Nov-2024 09:46:25 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

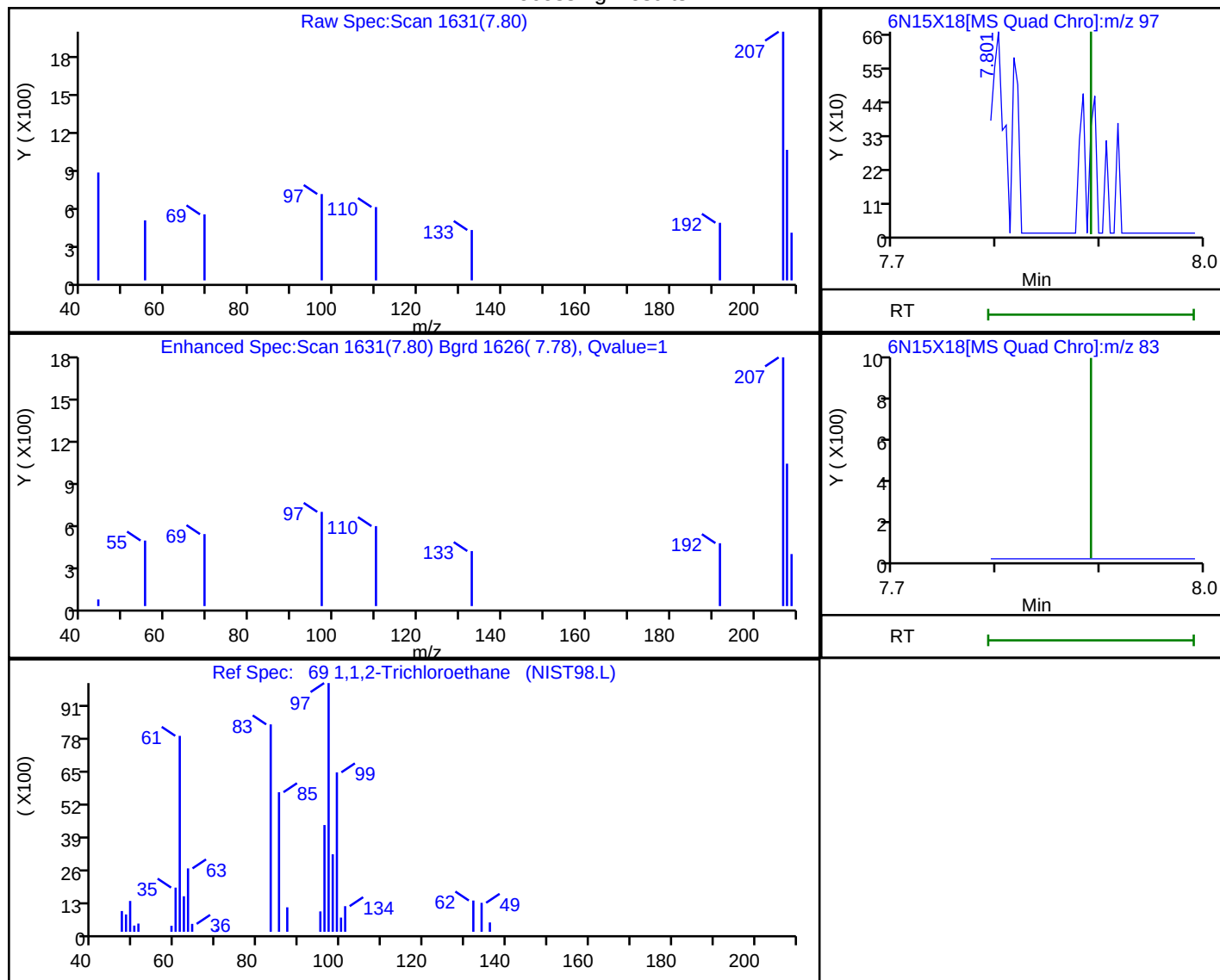
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

69 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



Reviewer: D7UM, 17-Nov-2024 09:46:36 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

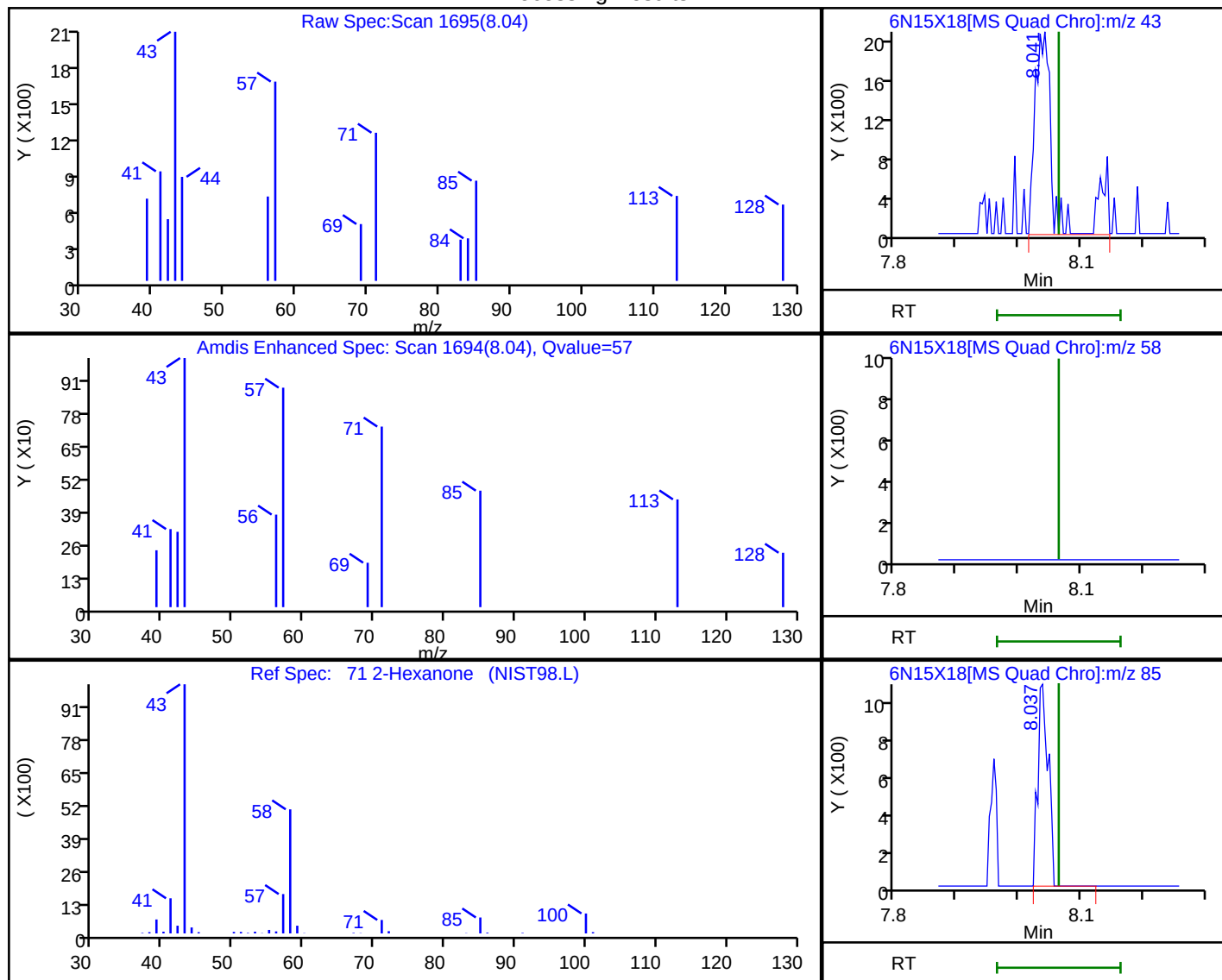
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

71 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
8.04	43.00	4166	0.571077
8.06	58.00	0	
8.04	85.00	1264	

Reviewer: D7UM, 17-Nov-2024 09:46:34 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

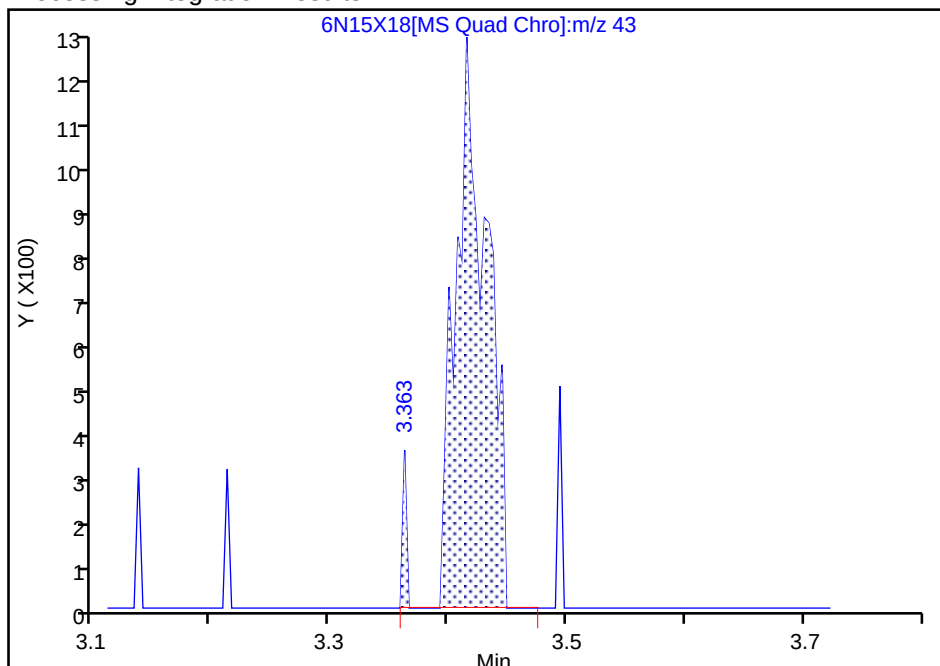
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Injection Date:	15-Nov-2024 16:29:37	Instrument ID:	HP26379		
Lims ID:	410-197119-A-3	Lab Sample ID:	410-197119-3		
Client ID:	1192				
Operator ID:	sn105465	ALS Bottle#:	9	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 1

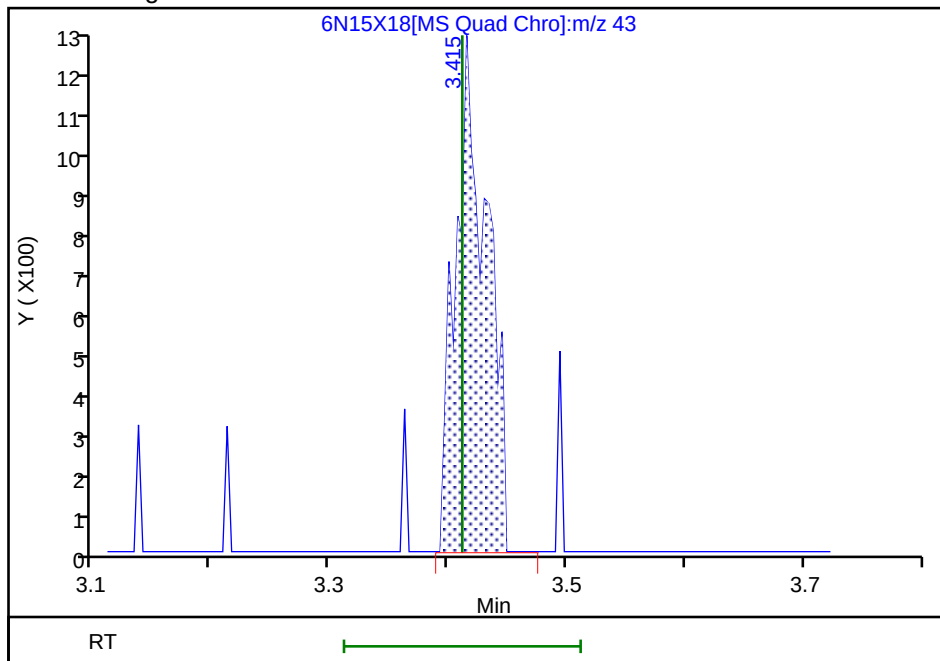
RT: 3.36
Area: 2381
Amount: 0.408632
Amount Units: ppb v/v

Processing Integration Results



RT: 3.42
Area: 2303
Amount: 0.395246
Amount Units: ppb v/v

Manual Integration Results



Reviewer: D7UM, 17-Nov-2024 09:48:00 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

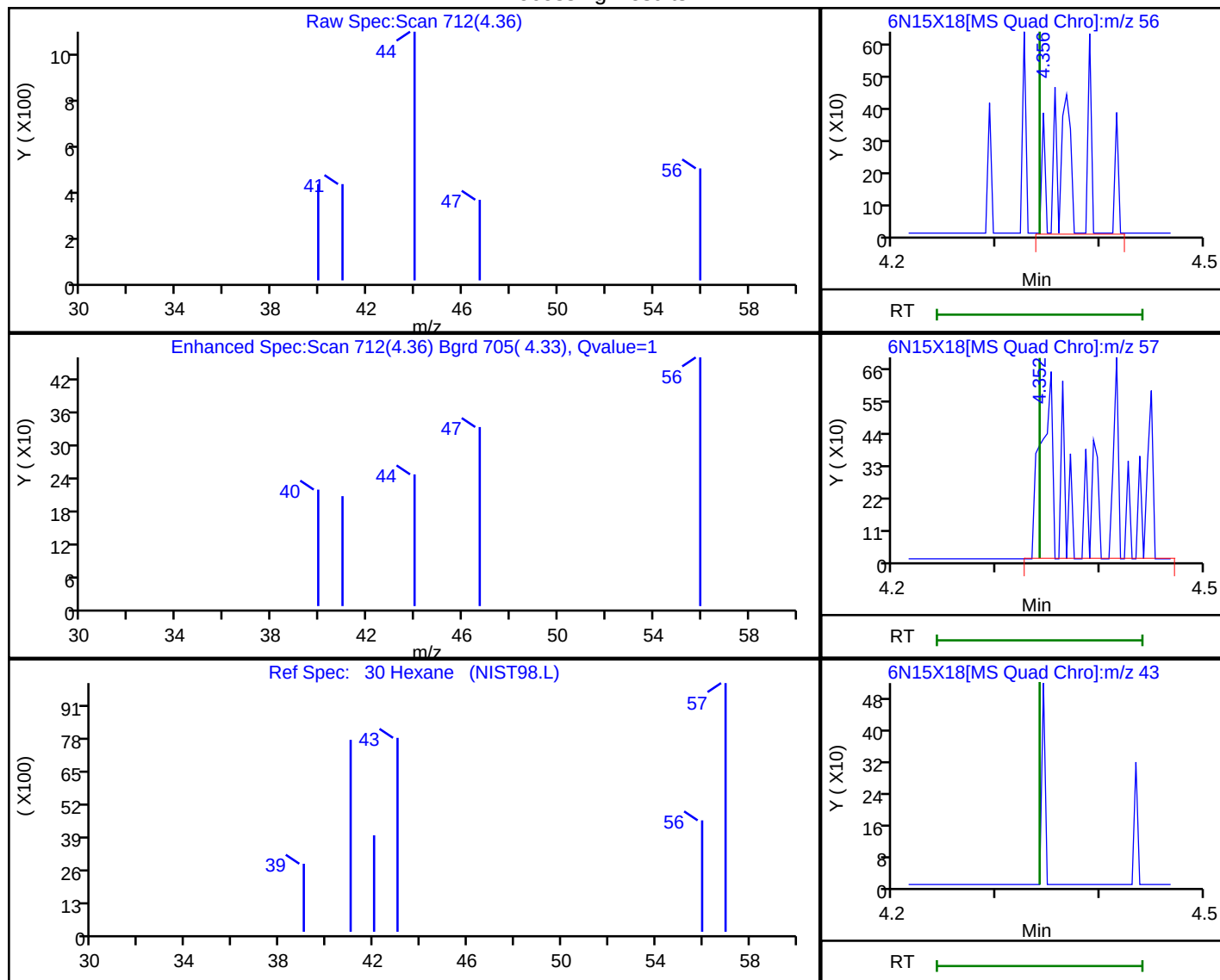
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.36	56.00	666	0.143102
4.35	57.00	1559	
4.34	43.00	0	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:47:51 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

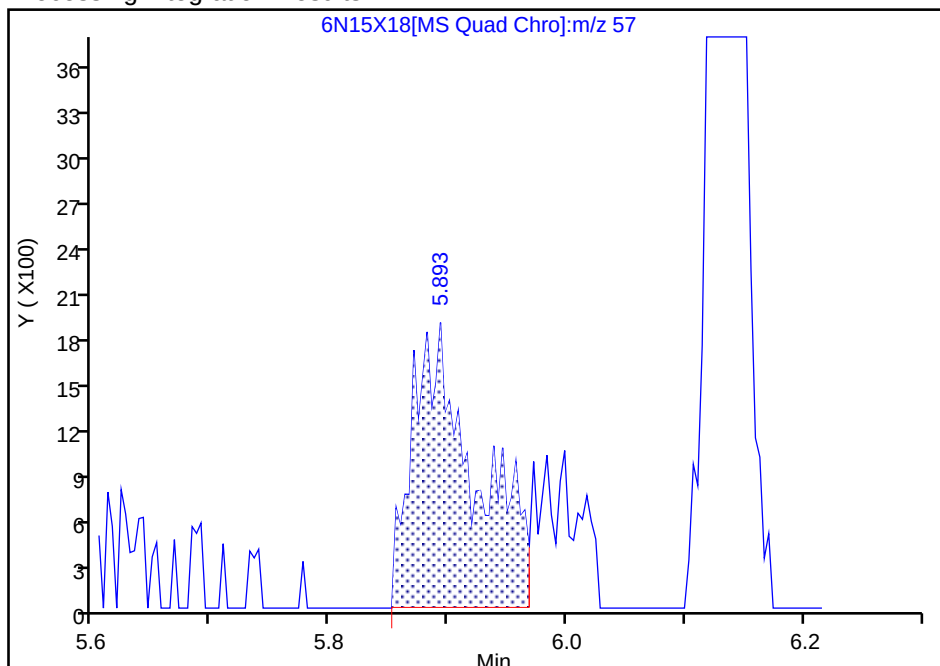
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Injection Date:	15-Nov-2024 16:29:37	Instrument ID:	HP26379		
Lims ID:	410-197119-A-3	Lab Sample ID:	410-197119-3		
Client ID:	1192				
Operator ID:	sn105465	ALS Bottle#:	9	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

49 Isooctane, CAS: 540-84-1

Signal: 1

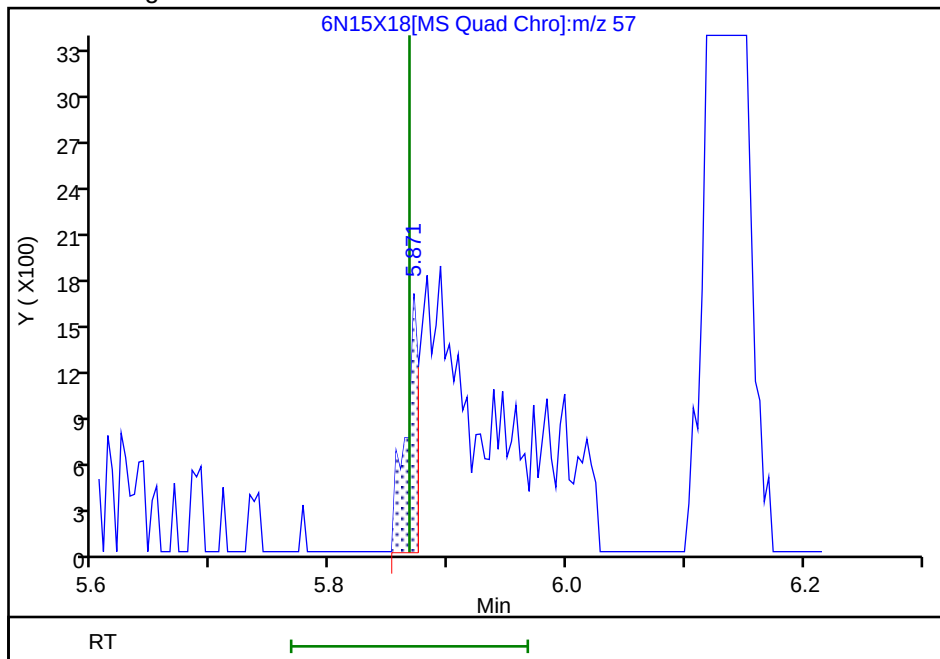
RT: 5.89
Area: 6818
Amount: 0.239468
Amount Units: ppb v/v

Processing Integration Results



RT: 5.87
Area: 1118
Amount: 0.039267
Amount Units: ppb v/v

Manual Integration Results



Reviewer: D7UM, 17-Nov-2024 09:57:40 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

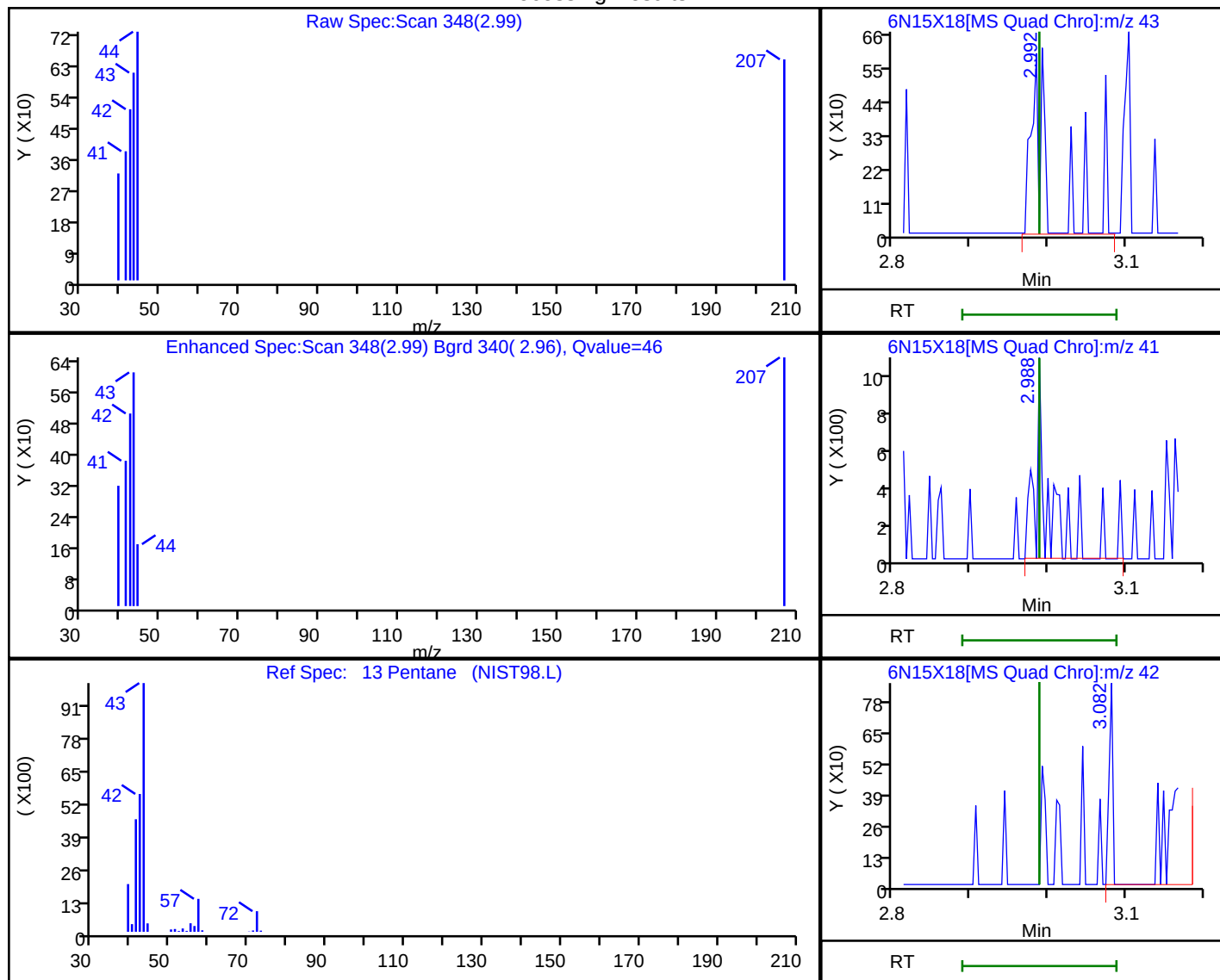
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D				
Injection Date:	15-Nov-2024 16:29:37	Instrument ID:	HP26379		
Lims ID:	410-197119-A-3	Lab Sample ID:	410-197119-3		
Client ID:	1192				
Operator ID:	sn105465	ALS Bottle#:	9	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
2.99	43.00	852	0.119364
2.99	41.00	1269	
3.08	42.00	873	

Reviewer: D7UM, 17-Nov-2024 09:57:32 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

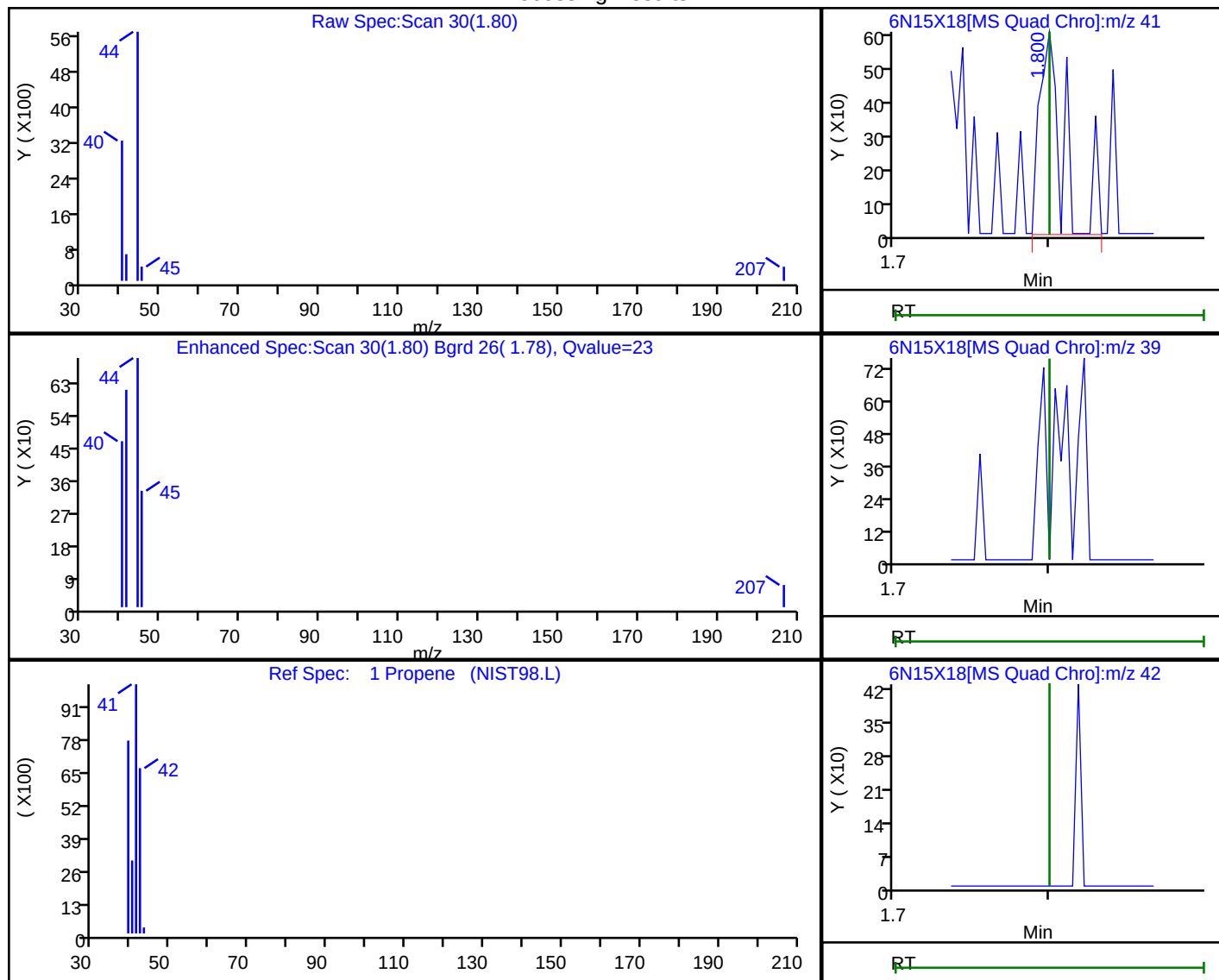
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.80	41.00	630	0.179877
1.82	39.00	907	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:48:13 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

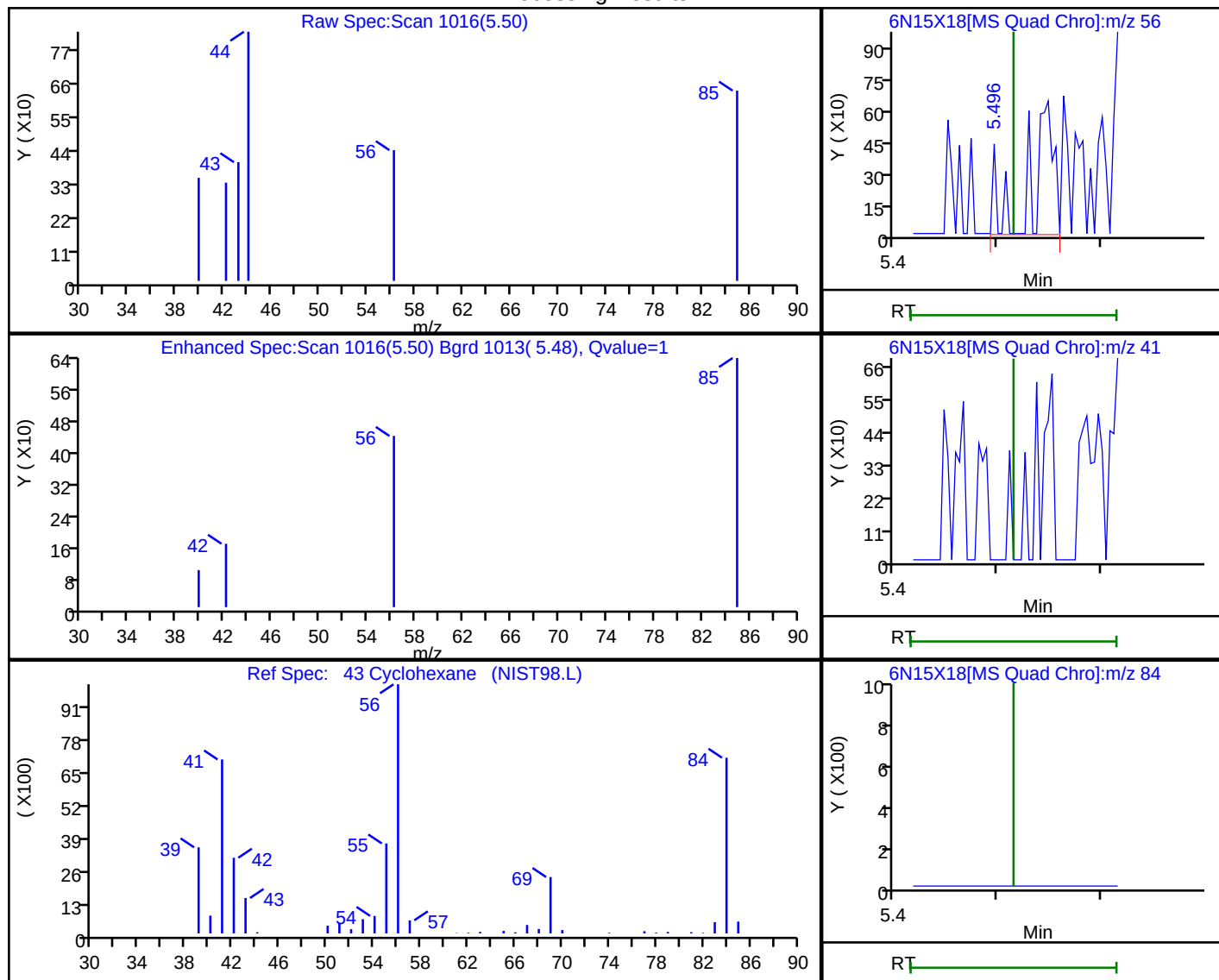
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.50	56.00	881	0.094641
5.51	41.00	0	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:47:45 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1510 Lab Sample ID: 410-197119-4

Matrix: Air Lab File ID: 6N15X19.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:58

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1510 Lab Sample ID: 410-197119-4

Matrix: Air Lab File ID: 6N15X19.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:58

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-197119-1
SDG No.:	
Client Sample ID: 1510	Lab Sample ID: 410-197119-4
Matrix: Air	Lab File ID: 6N15X19.D
Analysis Method: TO-15	Date Collected: 11/15/2024 09:32
Sample wt/vol: 200 (mL)	Date Analyzed: 11/15/2024 16:58
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: Rtx-VMS 60m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 575423	Units: ppb v/v
Preparation Batch No.:	Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	0.26	J	1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Lab Sample ID: 410-197119-4

Lab File ID: 6N15X19.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 16:58

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Lims ID: 410-197119-A-4
Client ID: 1510
Sample Type: Client
Inject. Date: 15-Nov-2024 16:58:02 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1510
Misc. Info.: 410-0130751-018
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:49:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.430	3.426	0.018	43	4126	0.7279	
21 Carbon disulfide	76	3.618	3.599	0.019	35	1980	0.1081	
26 2-Methyl-2-propanol	59	3.910	3.896	0.011	38	2828	0.2637	
* 39 Chlorobromomethane (IS)	130	5.200	5.196	0.004	77	94074	10.0	
49 Isooctane	57	5.874	5.871	0.007	39	1138	0.0419	7M
* 52 1,4-Difluorobenzene	114	6.140	6.137	0.003	91	317912	10.0	
65 Toluene	91	7.542	7.542	0.003	27	2902	0.1007	
* 74 Chlorobenzene-d5 (IS)	117	8.693	8.690	0.003	80	311786	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:28

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D

Injection Date: 15-Nov-2024 16:58:02

Instrument ID: HP26379

Lims ID: 410-197119-A-4

Lab Sample ID: 410-197119-4

Client ID: 1510

Operator ID: sn105465

ALS Bottle#: 10 Worklist Smp#: 18

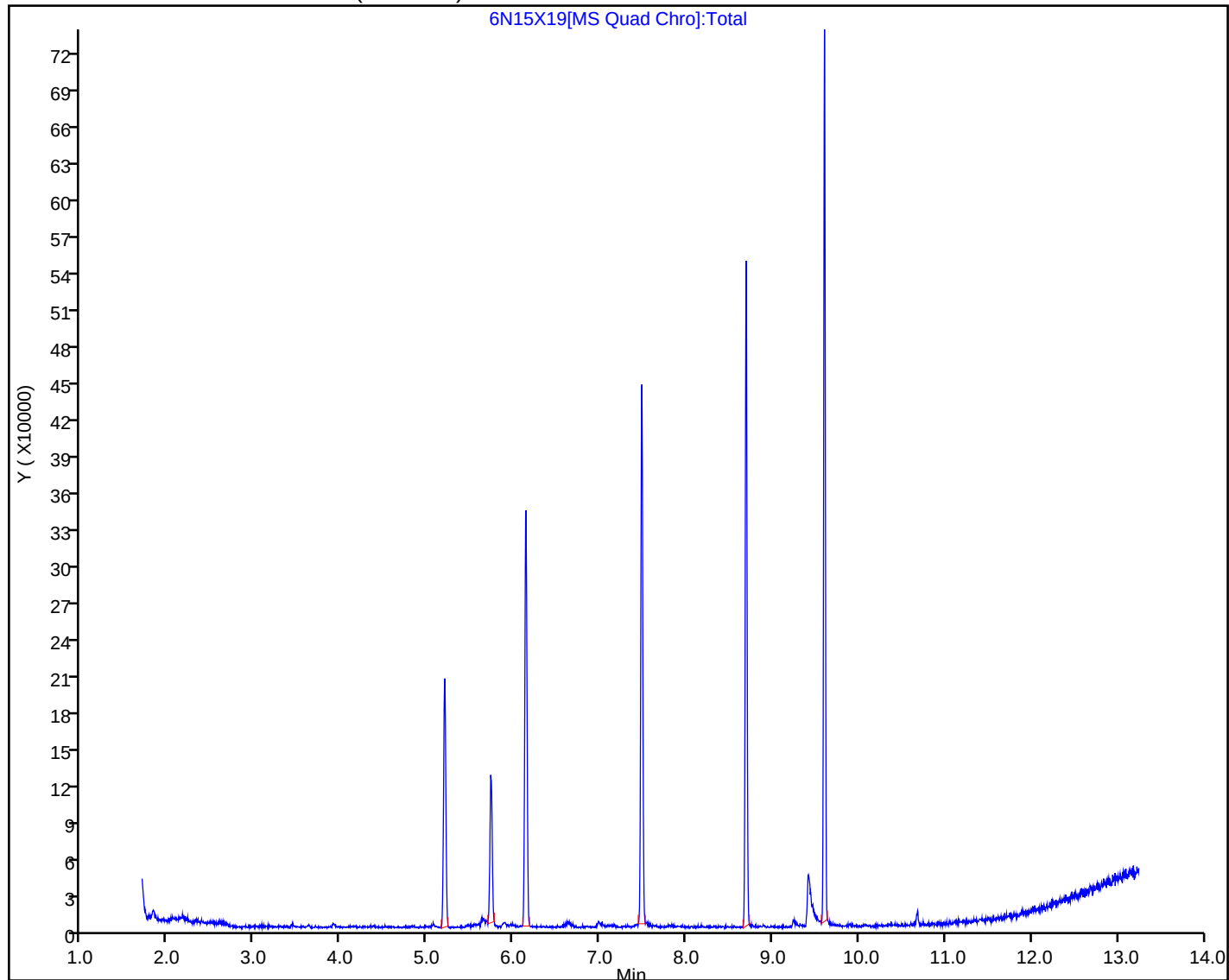
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D

Injection Date: 15-Nov-2024 16:58:02

Instrument ID: HP26379

Lims ID: 410-197119-A-4

Lab Sample ID: 410-197119-4

Client ID: 1510

Operator ID: sn105465

ALS Bottle#: 10

Worklist Smp#: 18

Purge Vol: 200.000 mL

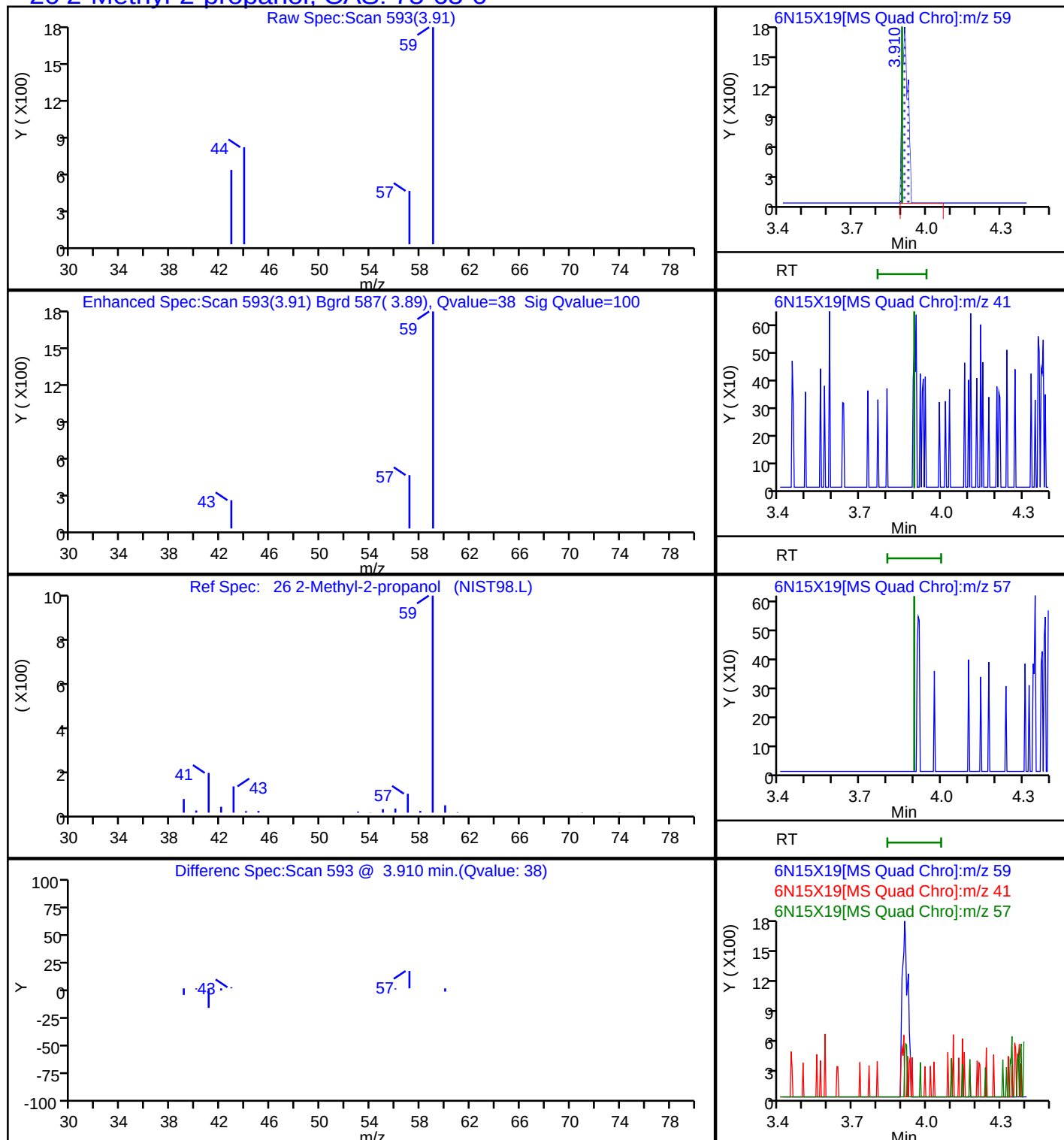
Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector

MS Quad

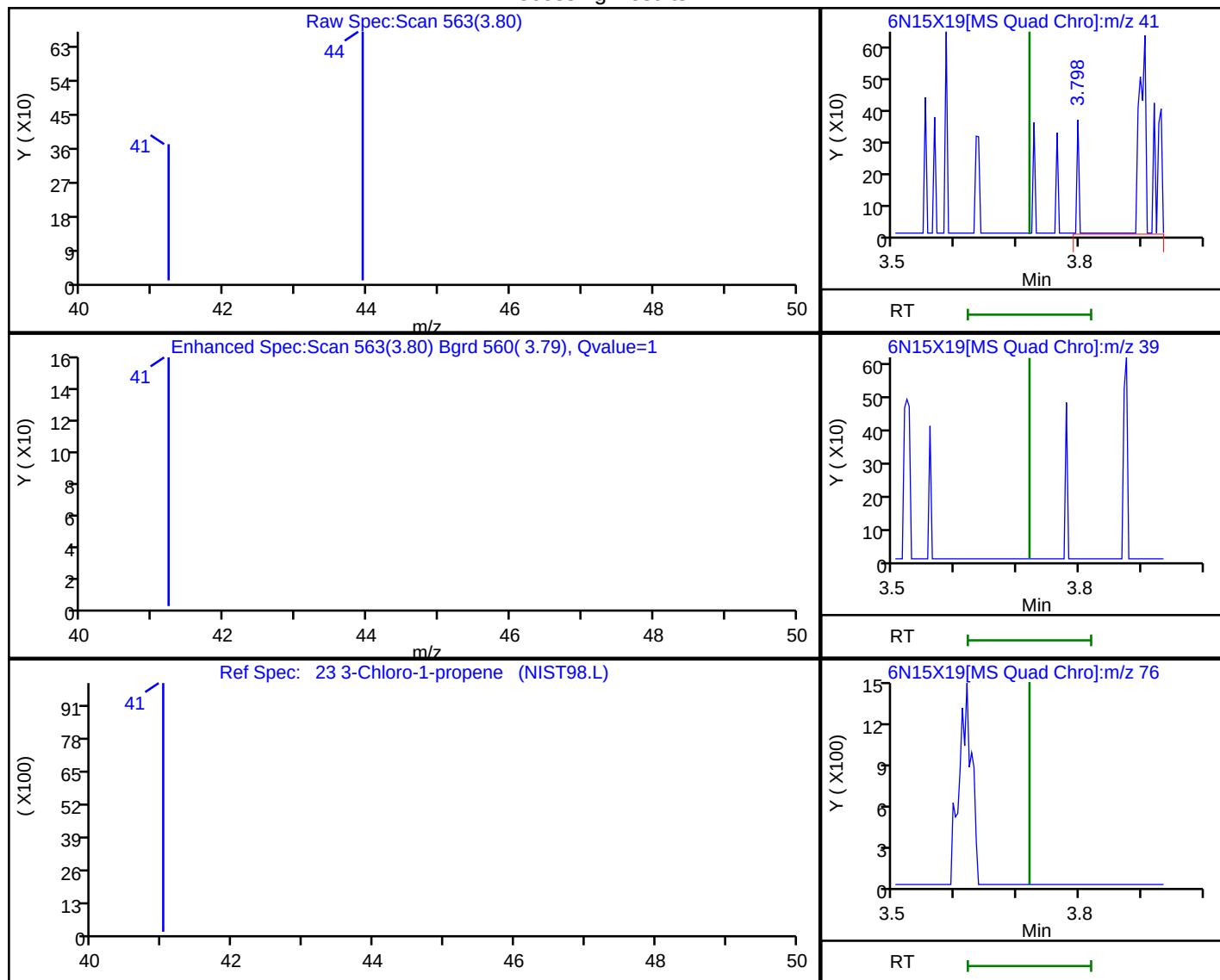
26 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Injection Date: 15-Nov-2024 16:58:02 Instrument ID: HP26379
Lims ID: 410-197119-A-4 Lab Sample ID: 410-197119-4
Client ID: 1510
Operator ID: sn105465 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

23 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
3.80	41.00	783	0.154931
3.72	39.00	0	
3.72	76.00	0	

Reviewer: D7UM, 17-Nov-2024 09:48:31 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

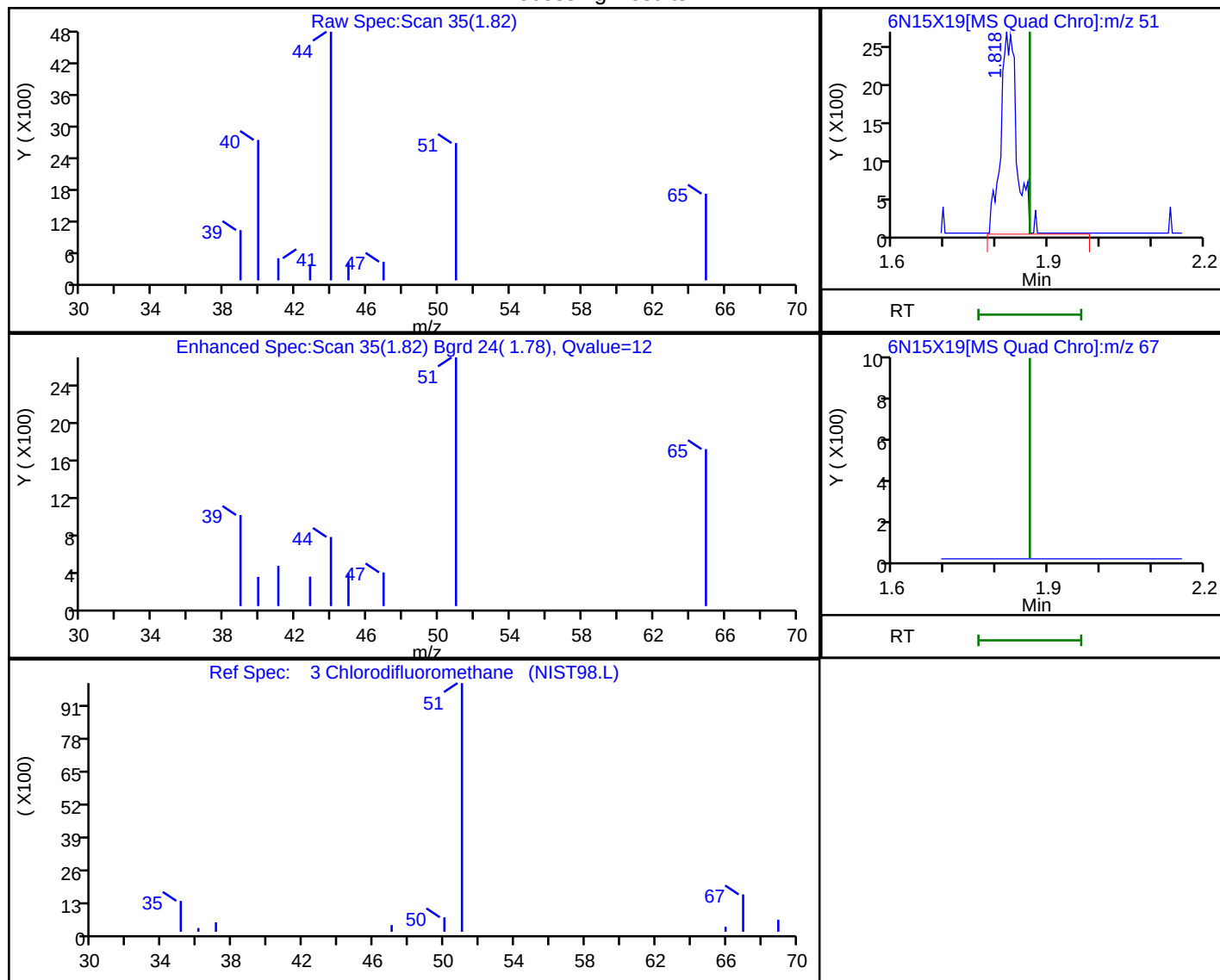
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Injection Date: 15-Nov-2024 16:58:02 Instrument ID: HP26379
Lims ID: 410-197119-A-4 Lab Sample ID: 410-197119-4
Client ID: 1510
Operator ID: sn105465 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

3 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
1.82	51.00	5677	0.835968
1.86	67.00	0	

Reviewer: D7UM, 17-Nov-2024 09:48:21 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

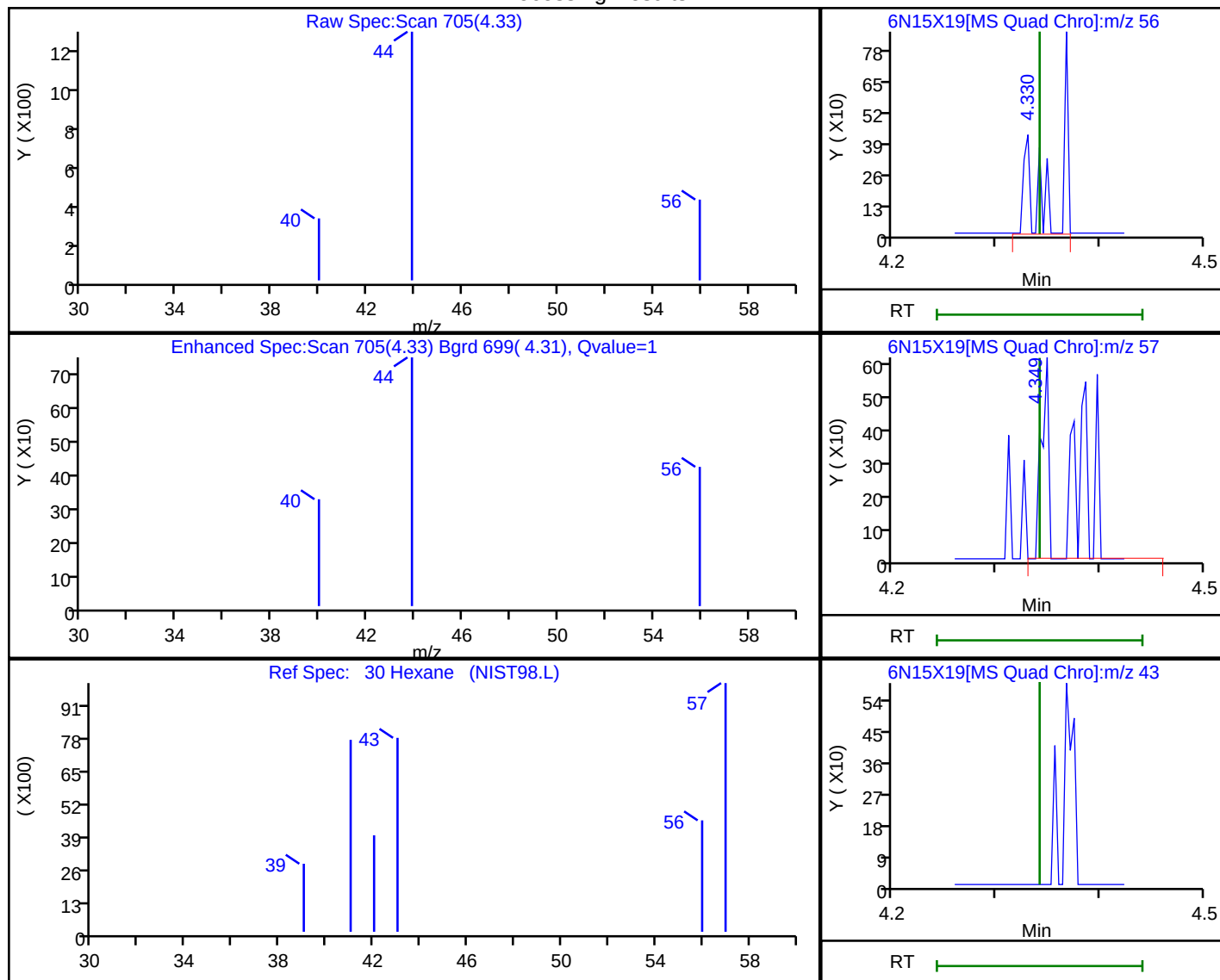
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Injection Date: 15-Nov-2024 16:58:02 Instrument ID: HP26379
Lims ID: 410-197119-A-4 Lab Sample ID: 410-197119-4
Client ID: 1510
Operator ID: sn105465 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.33	56.00	509	0.112425
4.35	57.00	912	
4.37	43.00	744	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:48:35 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

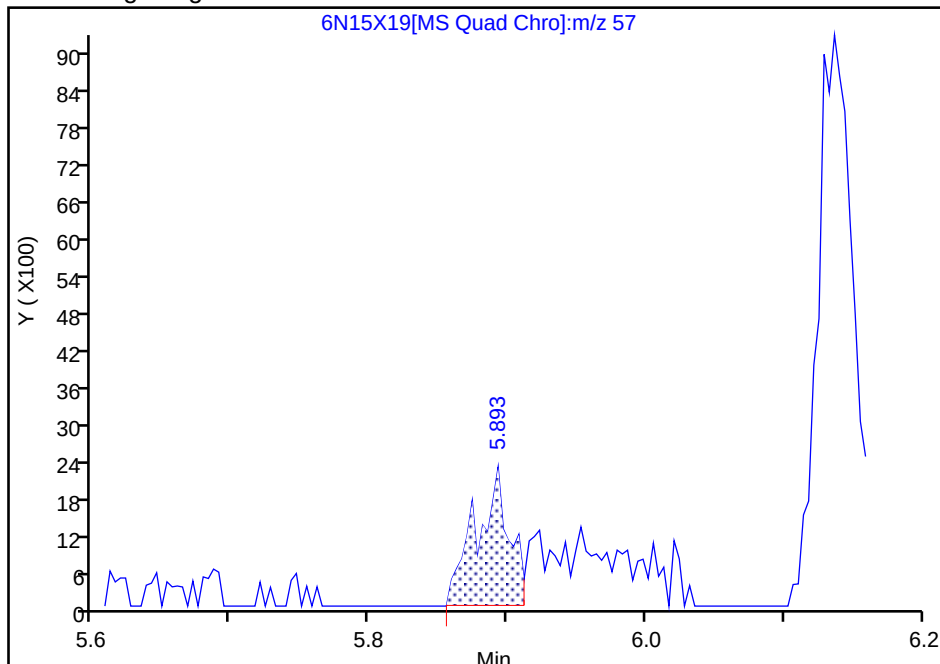
Data File:	\\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D				
Injection Date:	15-Nov-2024 16:58:02	Instrument ID:	HP26379		
Lims ID:	410-197119-A-4	Lab Sample ID:	410-197119-4		
Client ID:	1510				
Operator ID:	sn105465	ALS Bottle#:	10	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

49 Isooctane, CAS: 540-84-1

Signal: 1

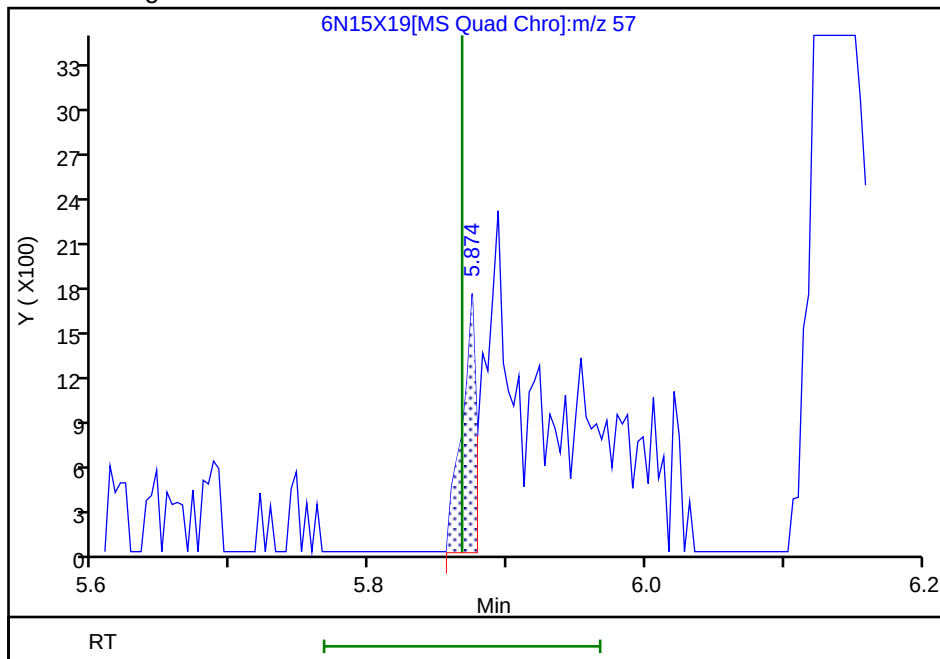
RT: 5.89
Area: 3735
Amount: 0.137538
Amount Units: ppb v/v

Processing Integration Results



RT: 5.87
Area: 1138
Amount: 0.041906
Amount Units: ppb v/v

Manual Integration Results



Reviewer: D7UM, 17-Nov-2024 09:48:54 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

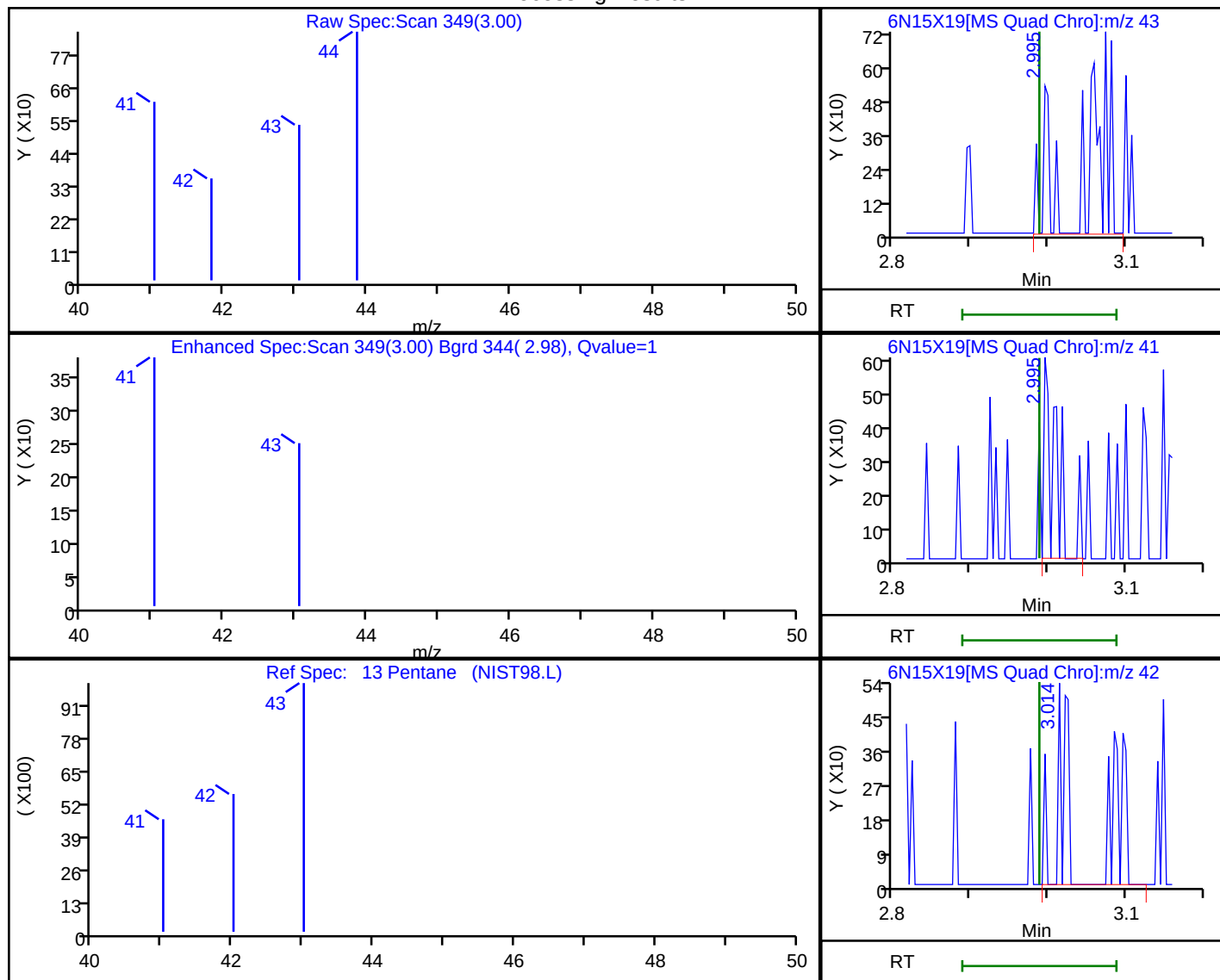
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Injection Date: 15-Nov-2024 16:58:02 Instrument ID: HP26379
Lims ID: 410-197119-A-4 Lab Sample ID: 410-197119-4
Client ID: 1510
Operator ID: sn105465 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
3.00	43.00	1230	0.177139
3.00	41.00	626	
3.01	42.00	839	

Reviewer: D7UM, 17-Nov-2024 09:48:25 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

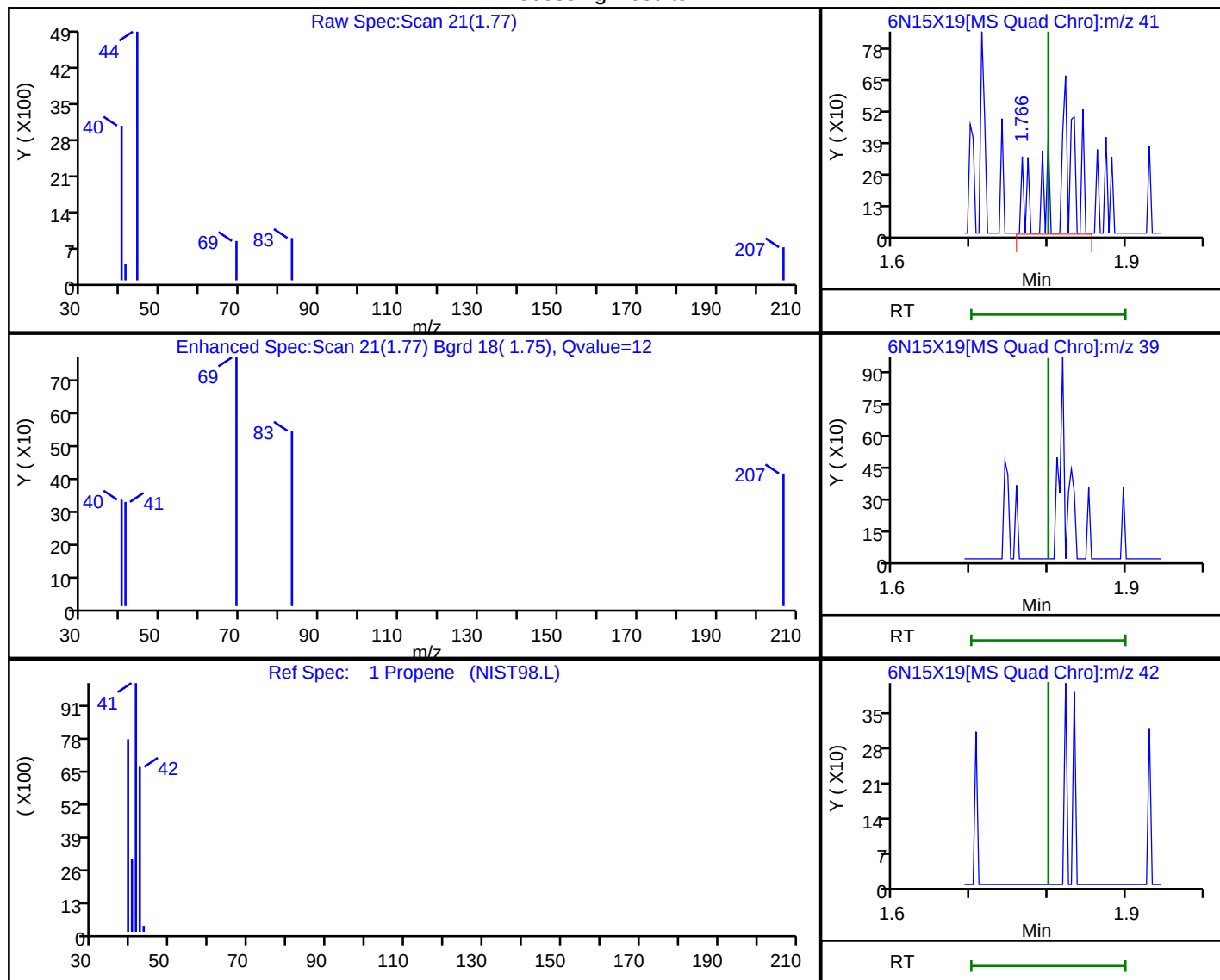
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Injection Date: 15-Nov-2024 16:58:02 Instrument ID: HP26379
Lims ID: 410-197119-A-4 Lab Sample ID: 410-197119-4
Client ID: 1510
Operator ID: sn105465 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.77	41.00	893	0.262097
1.80	39.00	0	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:48:18 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

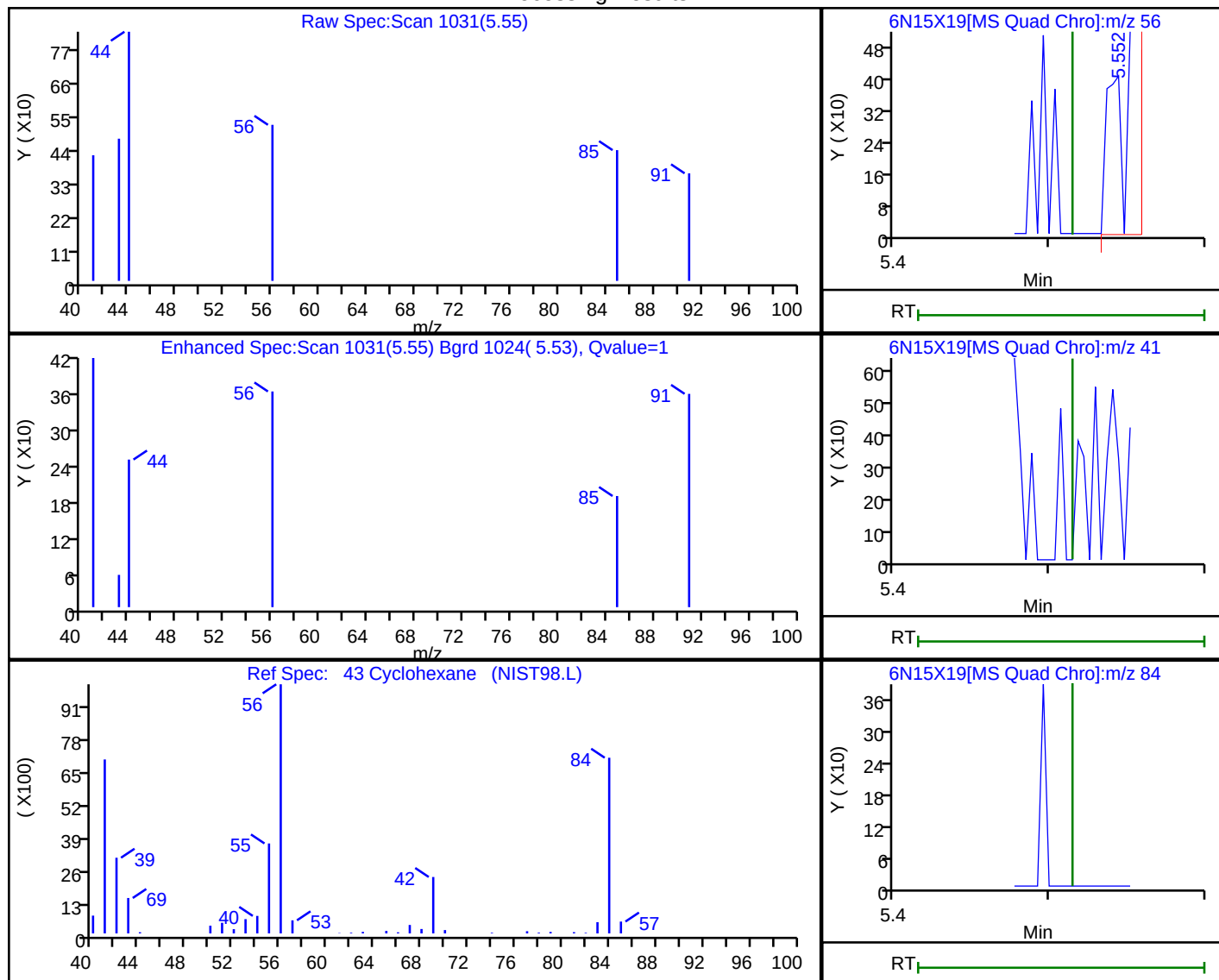
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Injection Date: 15-Nov-2024 16:58:02 Instrument ID: HP26379
Lims ID: 410-197119-A-4 Lab Sample ID: 410-197119-4
Client ID: 1510
Operator ID: sn105465 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.55	56.00	533	0.058858
5.51	41.00	0	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:48:40 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 888 Lab Sample ID: 410-197119-5

Matrix: Air Lab File ID: 6N15X20.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 17:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-197119-1
SDG No.:	
Client Sample ID: 888	Lab Sample ID: 410-197119-5
Matrix: Air	Lab File ID: 6N15X20.D
Analysis Method: TO-15	Date Collected: 11/15/2024 09:32
Sample wt/vol: 200 (mL)	Date Analyzed: 11/15/2024 17:26
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: Rtx-VMS 60m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 575423	Units: ppb v/v
Preparation Batch No.:	Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 888 Lab Sample ID: 410-197119-5

Matrix: Air Lab File ID: 6N15X20.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 17:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Client Sample ID: 888

Lab Sample ID: 410-197119-5

Lab File ID: 6N15X20.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 17:26

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D
Lims ID: 410-197119-A-5
Client ID: 888
Sample Type: Client
Inject. Date: 15-Nov-2024 17:26:30 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc888
Misc. Info.: 410-0130751-019
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:49:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.423	3.426	0.011	66	2473	0.4391	M
21 Carbon disulfide	76	3.621	3.599	0.022	35	1662	0.0913	
* 39 Chlorobromomethane (IS)	130	5.192	5.196	-0.004	77	93475	10.0	
49 Isooctane	57	5.886	5.871	0.019	35	4663	0.1671	
* 52 1,4-Difluorobenzene	114	6.141	6.137	0.004	91	326761	10.0	
65 Toluene	91	7.558	7.542	0.019	20	2533	0.0860	
* 74 Chlorobenzene-d5 (IS)	117	8.693	8.690	0.003	80	318699	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:29

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D

Injection Date: 15-Nov-2024 17:26:30

Instrument ID: HP26379

Lims ID: 410-197119-A-5

Lab Sample ID: 410-197119-5

Client ID: 888

Operator ID: sn105465

ALS Bottle#: 11 Worklist Smp#: 19

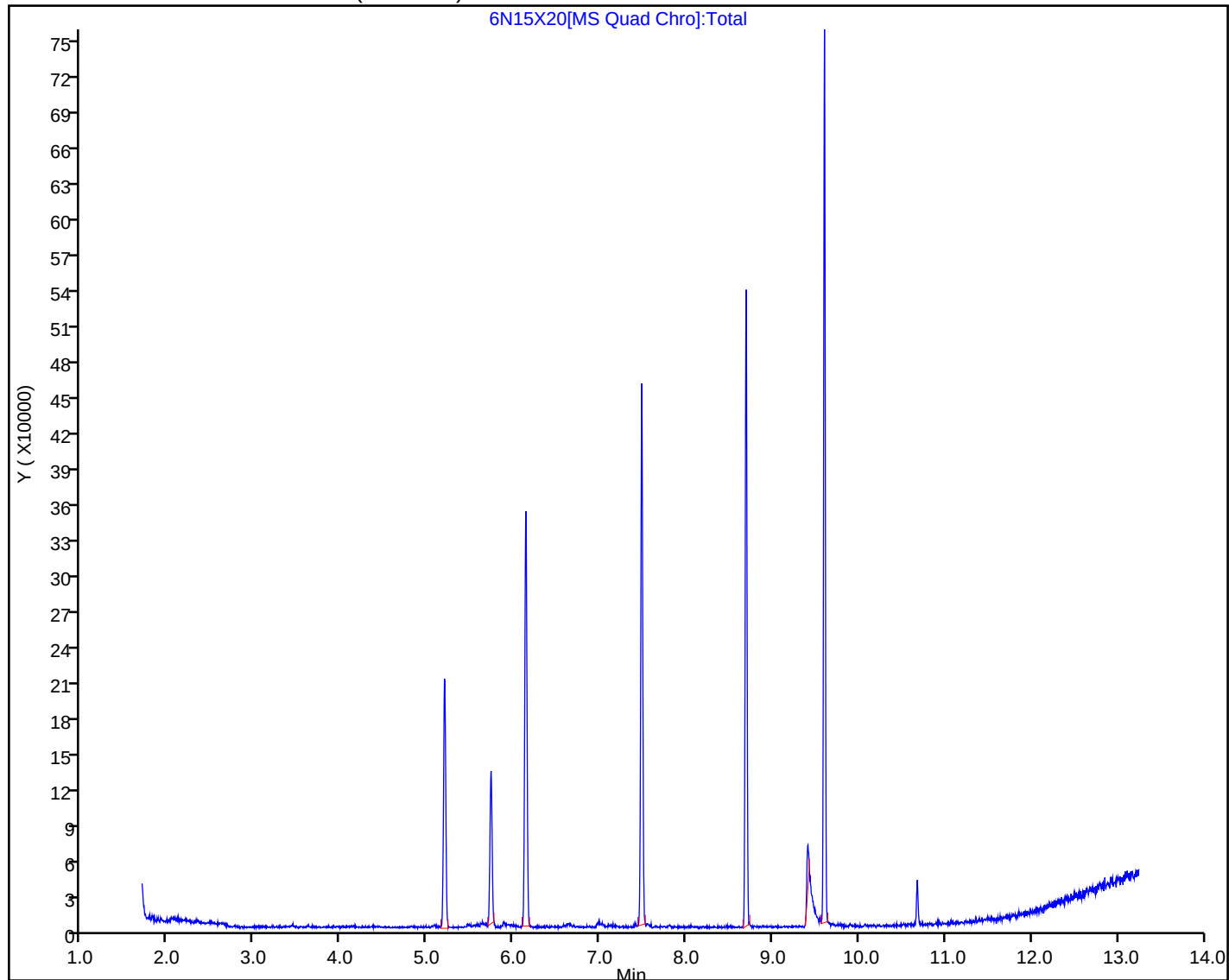
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

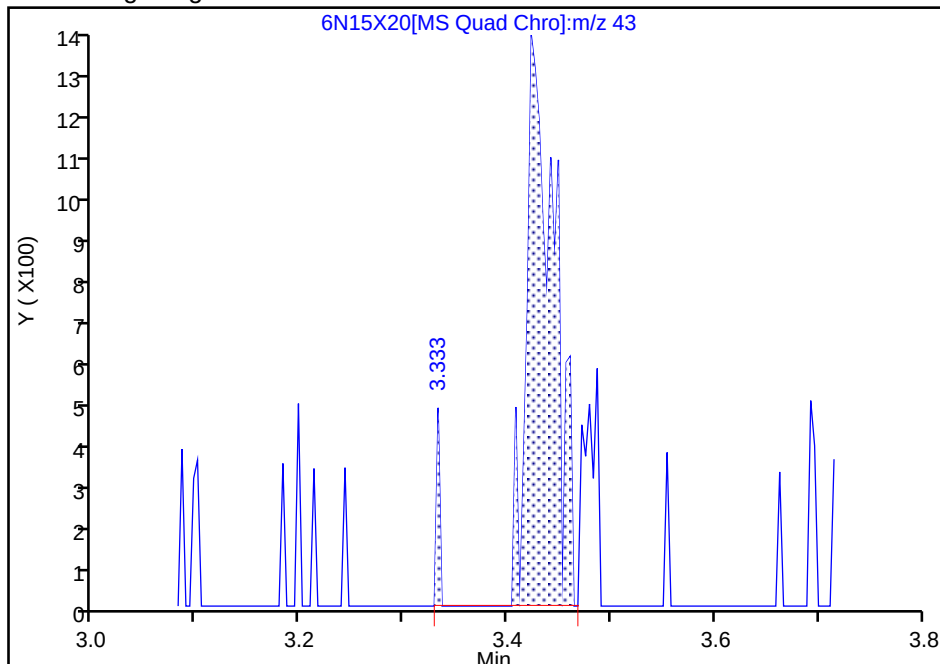
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Injection Date:	15-Nov-2024 17:26:30	Instrument ID:	HP26379		
Lims ID:	410-197119-A-5	Lab Sample ID:	410-197119-5		
Client ID:	888				
Operator ID:	sn105465	ALS Bottle#:	11	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 1

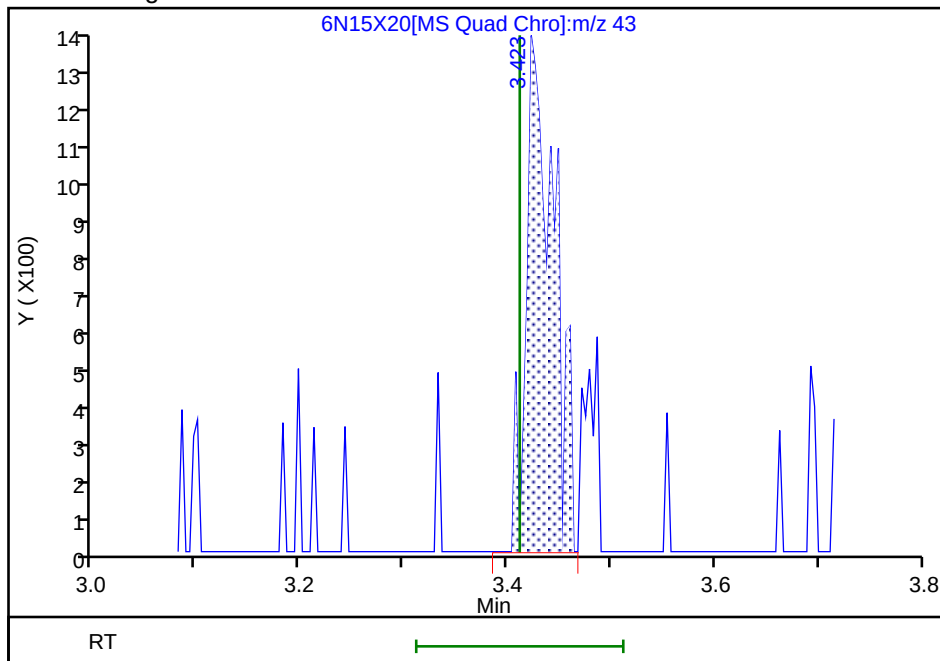
RT: 3.33
Area: 2578
Amount: 0.457725
Amount Units: ppb v/v

Processing Integration Results



RT: 3.42
Area: 2473
Amount: 0.439083
Amount Units: ppb v/v

Manual Integration Results



Reviewer: D7UM, 17-Nov-2024 09:49:44 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

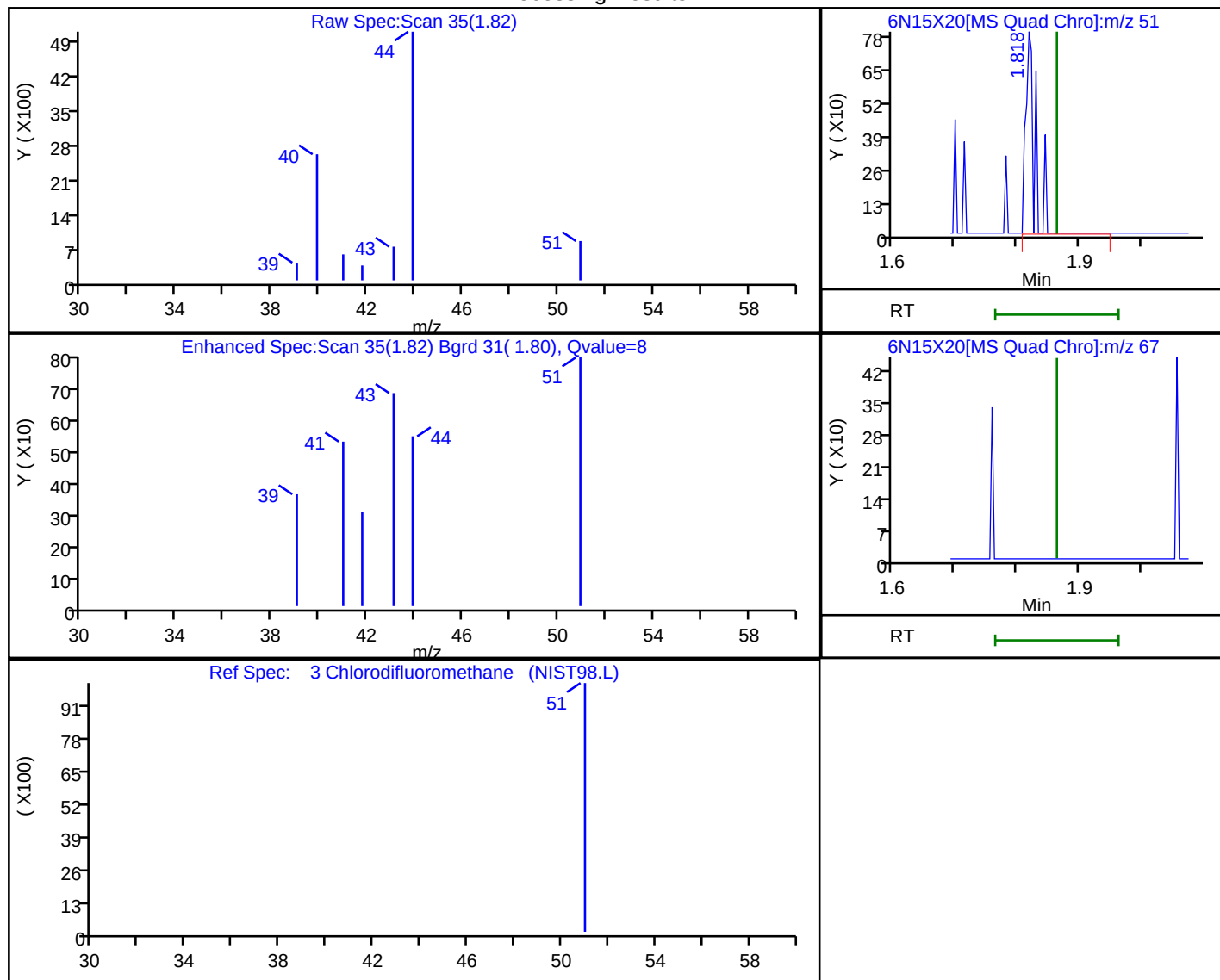
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D
Injection Date: 15-Nov-2024 17:26:30 Instrument ID: HP26379
Lims ID: 410-197119-A-5 Lab Sample ID: 410-197119-5
Client ID: 888
Operator ID: sn105465 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

3 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
1.82	51.00	779	0.115447
1.86	67.00	0	

Reviewer: D7UM, 17-Nov-2024 09:49:54 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

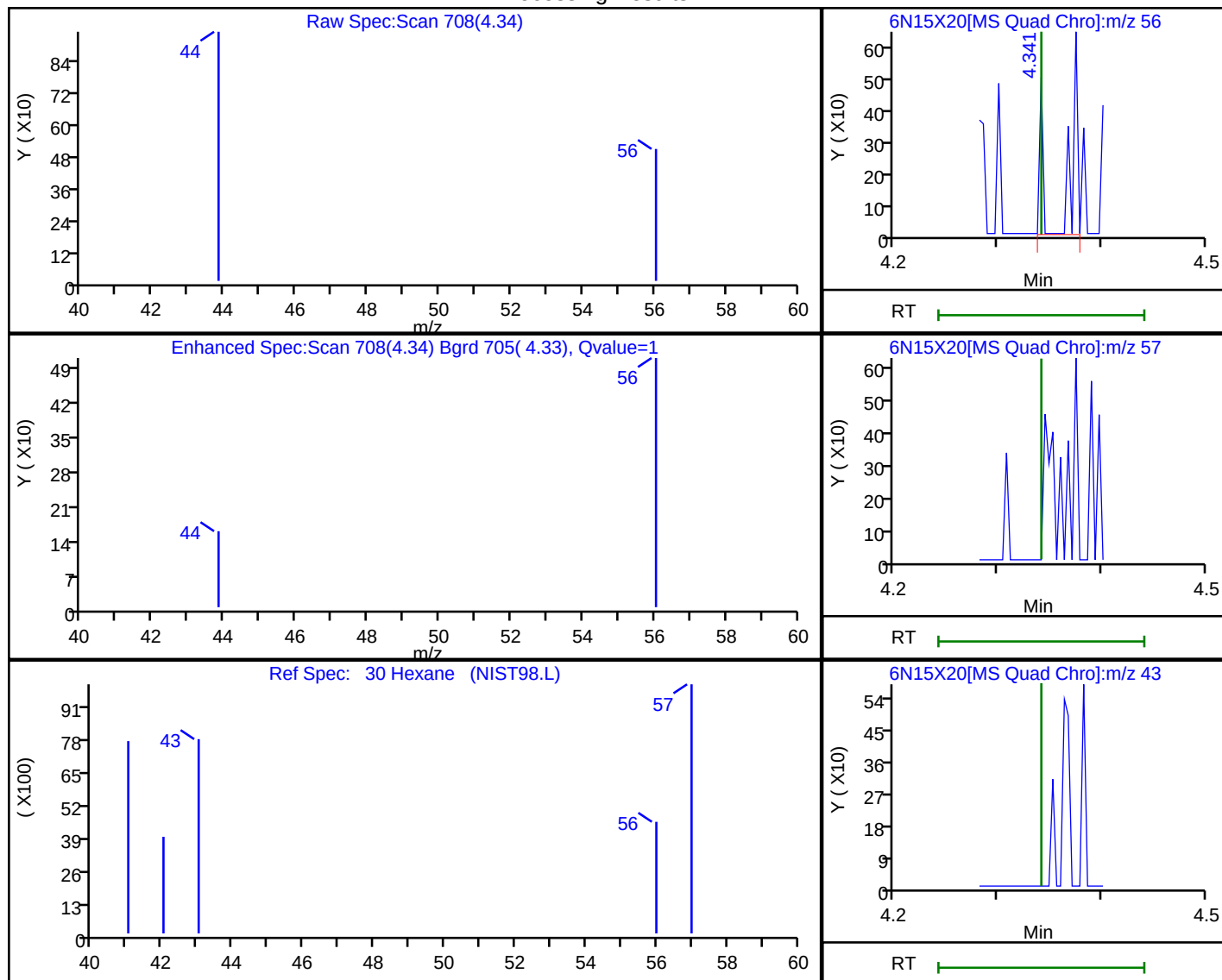
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D
Injection Date: 15-Nov-2024 17:26:30 Instrument ID: HP26379
Lims ID: 410-197119-A-5 Lab Sample ID: 410-197119-5
Client ID: 888
Operator ID: sn105465 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.34	56.00	336	0.074690
4.34	57.00	0	
4.34	43.00	0	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:49:35 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

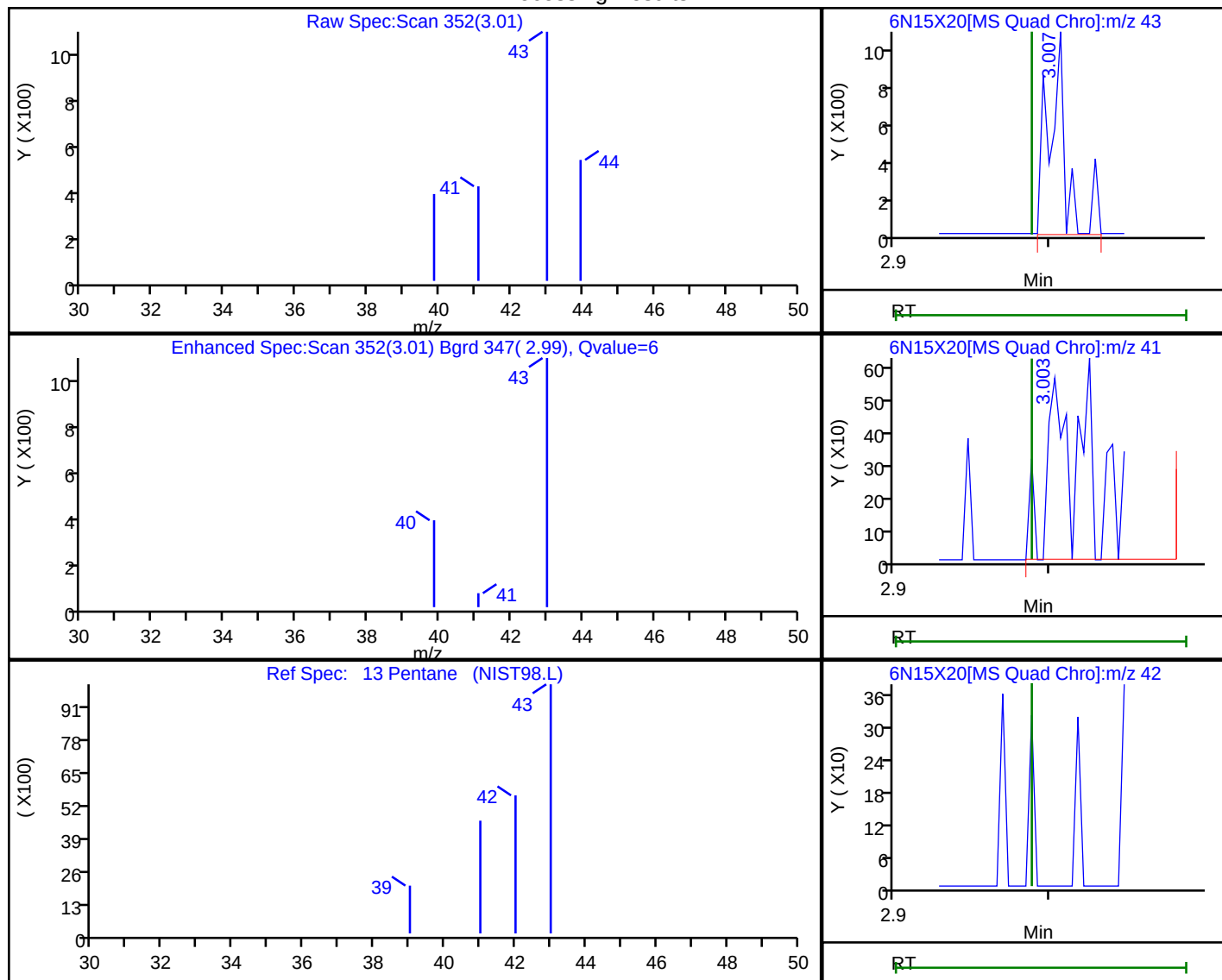
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D
Injection Date: 15-Nov-2024 17:26:30 Instrument ID: HP26379
Lims ID: 410-197119-A-5 Lab Sample ID: 410-197119-5
Client ID: 888
Operator ID: sn105465 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
3.01	43.00	753	0.109138
3.00	41.00	1131	
2.99	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:49:48 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

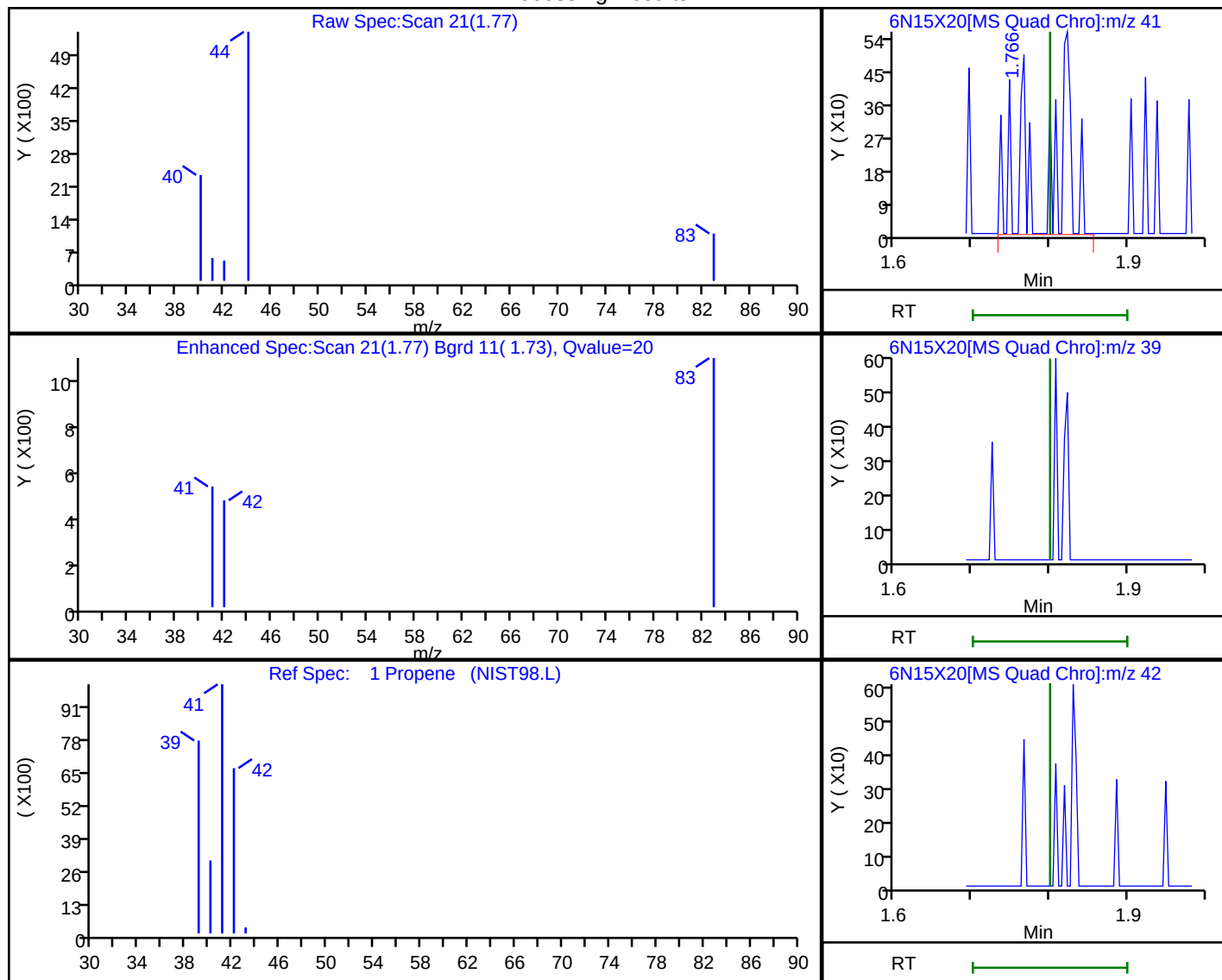
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D
Injection Date: 15-Nov-2024 17:26:30 Instrument ID: HP26379
Lims ID: 410-197119-A-5 Lab Sample ID: 410-197119-5
Client ID: 888
Operator ID: sn105465 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.77	41.00	999	0.295087
1.80	39.00	0	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:49:56 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

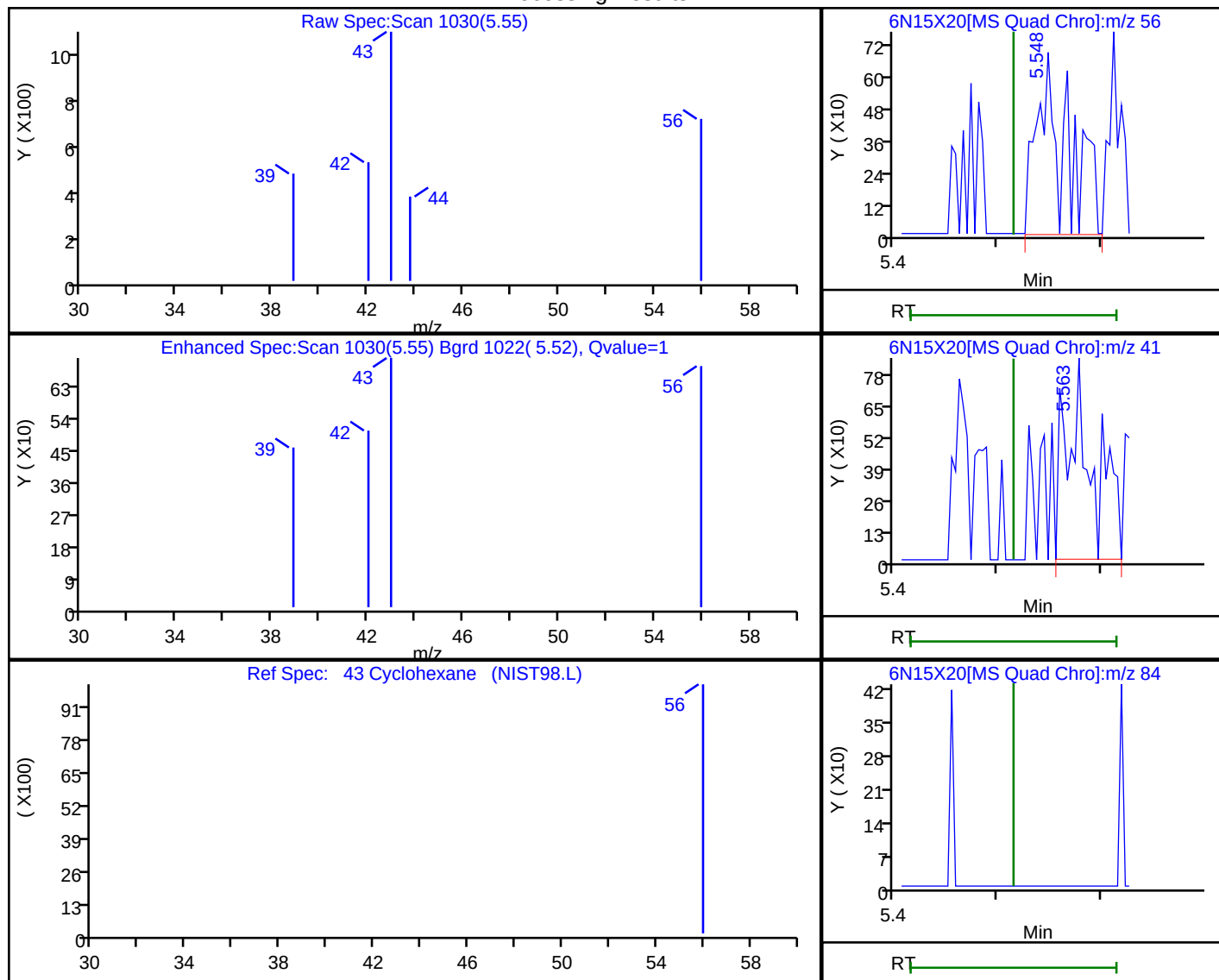
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D
Injection Date: 15-Nov-2024 17:26:30 Instrument ID: HP26379
Lims ID: 410-197119-A-5 Lab Sample ID: 410-197119-5
Client ID: 888
Operator ID: sn105465 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.55	56.00	1424	0.158258
5.56	41.00	1553	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:49:29 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1342 Lab Sample ID: 410-197119-6

Matrix: Air Lab File ID: 6N15X21.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 17:54

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1342 Lab Sample ID: 410-197119-6

Matrix: Air Lab File ID: 6N15X21.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 17:54

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1342 Lab Sample ID: 410-197119-6

Matrix: Air Lab File ID: 6N15X21.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 17:54

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Lab Sample ID: 410-197119-6

Lab File ID: 6N15X21.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 17:54

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D
Lims ID: 410-197119-A-6
Client ID: 1342
Sample Type: Client
Inject. Date: 15-Nov-2024 17:54:52 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1342
Misc. Info.: 410-0130751-020
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:50:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.442	3.426	0.030	33	3424	0.5958	
21 Carbon disulfide	76	3.610	3.599	0.011	60	1600	0.0862	
* 39 Chlorobromomethane (IS)	130	5.200	5.196	0.004	76	95376	10.0	
49 Isooctane	57	5.867	5.871	0.000	60	922	0.0345	7M
* 52 1,4-Difluorobenzene	114	6.141	6.137	0.004	91	312556	10.0	
* 74 Chlorobenzene-d5 (IS)	117	8.693	8.690	0.003	80	314684	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:30

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D

Injection Date: 15-Nov-2024 17:54:52

Instrument ID: HP26379

Lims ID: 410-197119-A-6

Lab Sample ID: 410-197119-6

Client ID: 1342

Operator ID: sn105465

ALS Bottle#: 13

Worklist Smp#: 20

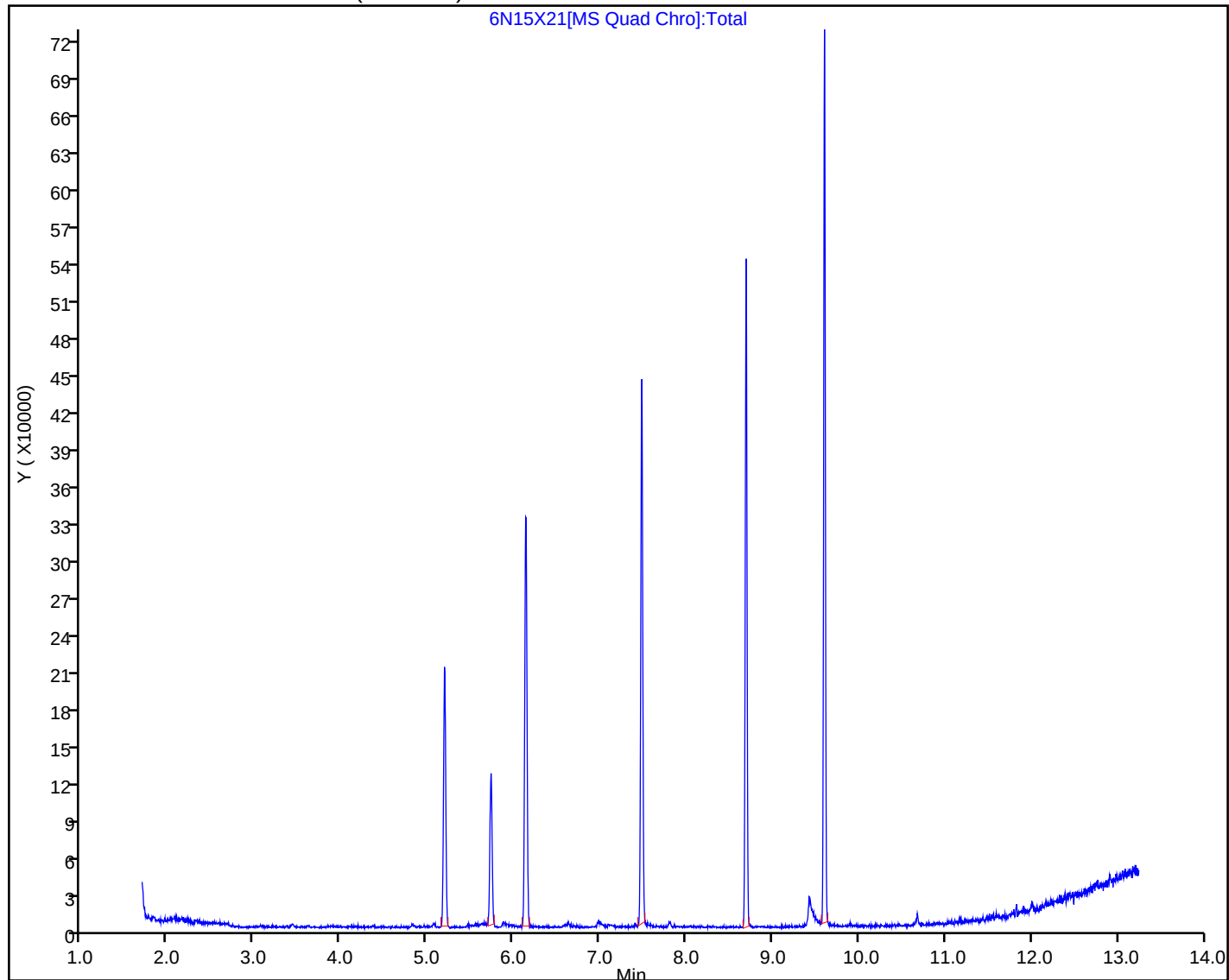
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)

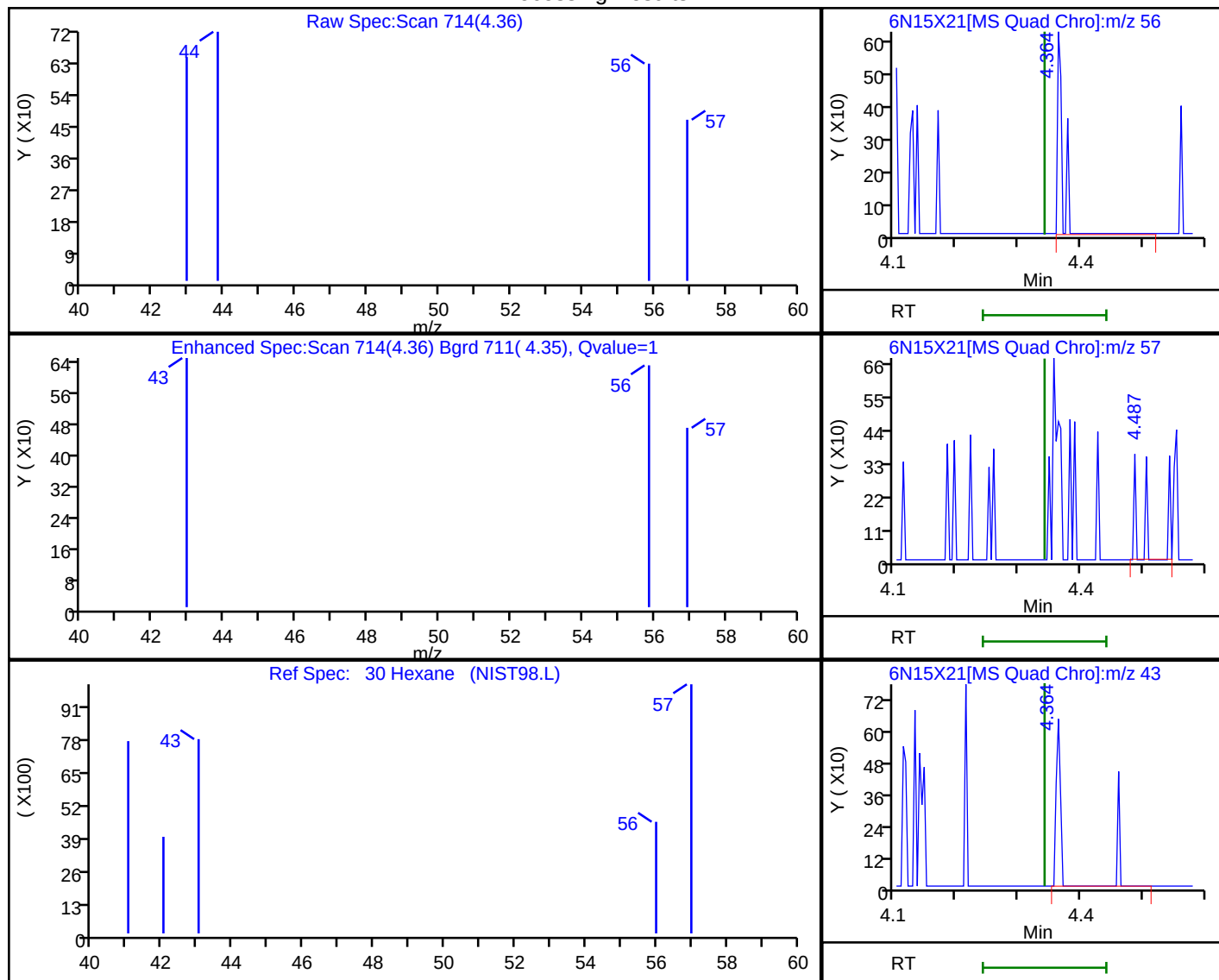


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D
Injection Date: 15-Nov-2024 17:54:52 Instrument ID: HP26379
Lims ID: 410-197119-A-6 Lab Sample ID: 410-197119-6
Client ID: 1342
Operator ID: sn105465 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.36	56.00	331	0.072112
4.49	57.00	236	
4.36	43.00	407	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:50:12 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

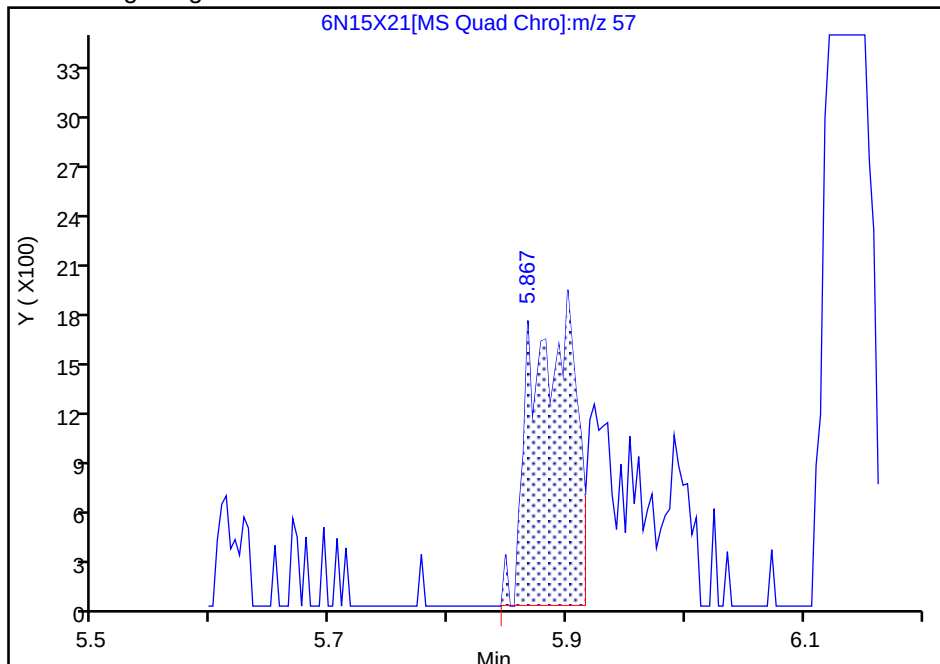
Data File:	\\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D				
Injection Date:	15-Nov-2024 17:54:52	Instrument ID:	HP26379		
Lims ID:	410-197119-A-6	Lab Sample ID:	410-197119-6		
Client ID:	1342				
Operator ID:	sn105465	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

49 Isooctane, CAS: 540-84-1

Signal: 1

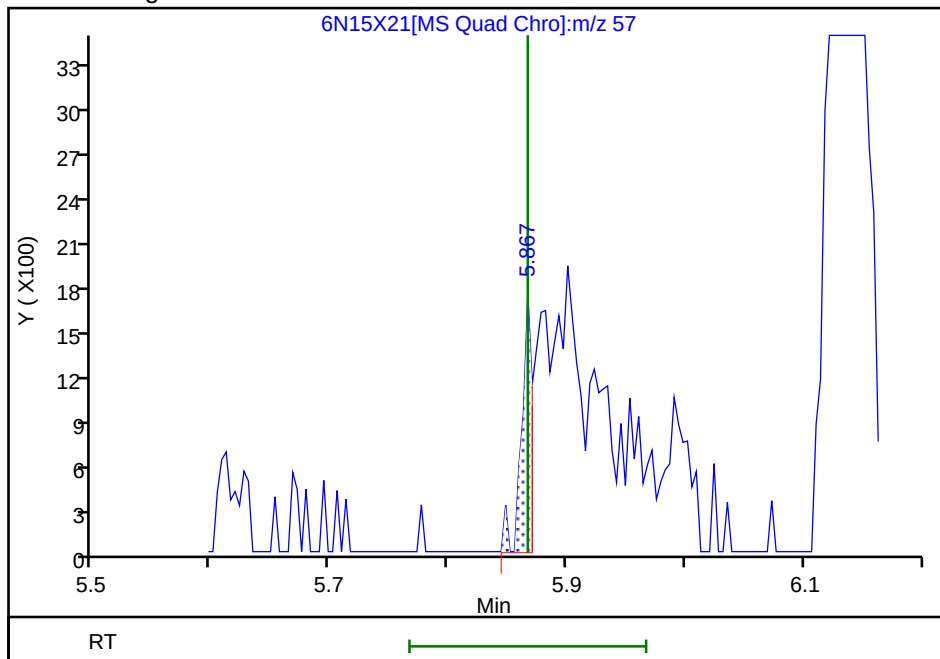
RT: 5.87
Area: 4702
Amount: 0.176114
Amount Units: ppb v/v

Processing Integration Results



RT: 5.87
Area: 922
Amount: 0.034534
Amount Units: ppb v/v

Manual Integration Results



Reviewer: D7UM, 17-Nov-2024 09:50:26 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

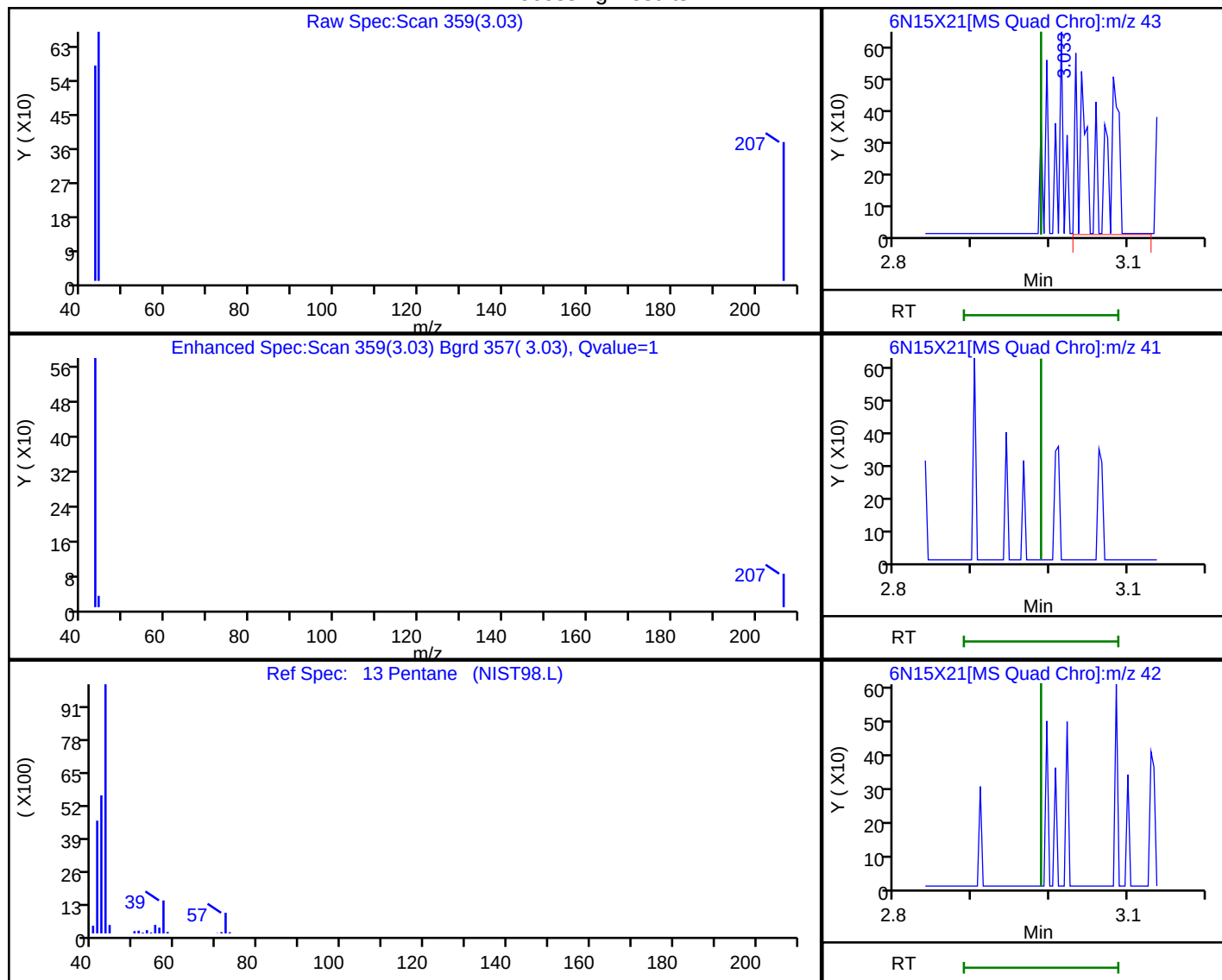
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D
Injection Date: 15-Nov-2024 17:54:52 Instrument ID: HP26379
Lims ID: 410-197119-A-6 Lab Sample ID: 410-197119-6
Client ID: 1342
Operator ID: sn105465 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
3.03	43.00	922	0.130969
2.99	41.00	0	
2.99	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:50:07 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

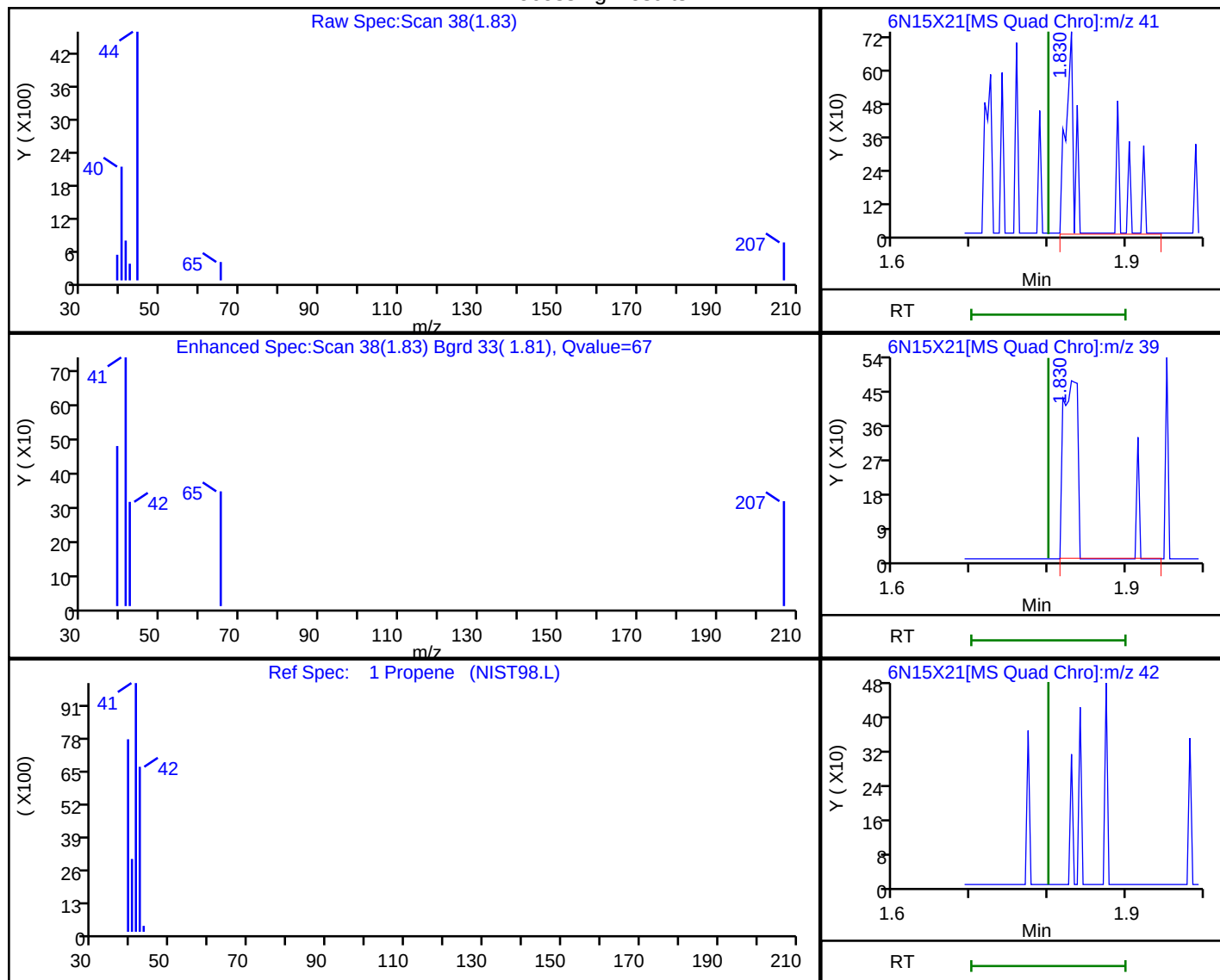
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D
Injection Date: 15-Nov-2024 17:54:52 Instrument ID: HP26379
Lims ID: 410-197119-A-6 Lab Sample ID: 410-197119-6
Client ID: 1342
Operator ID: sn105465 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.83	41.00	804	0.232754
1.83	39.00	670	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:50:03 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

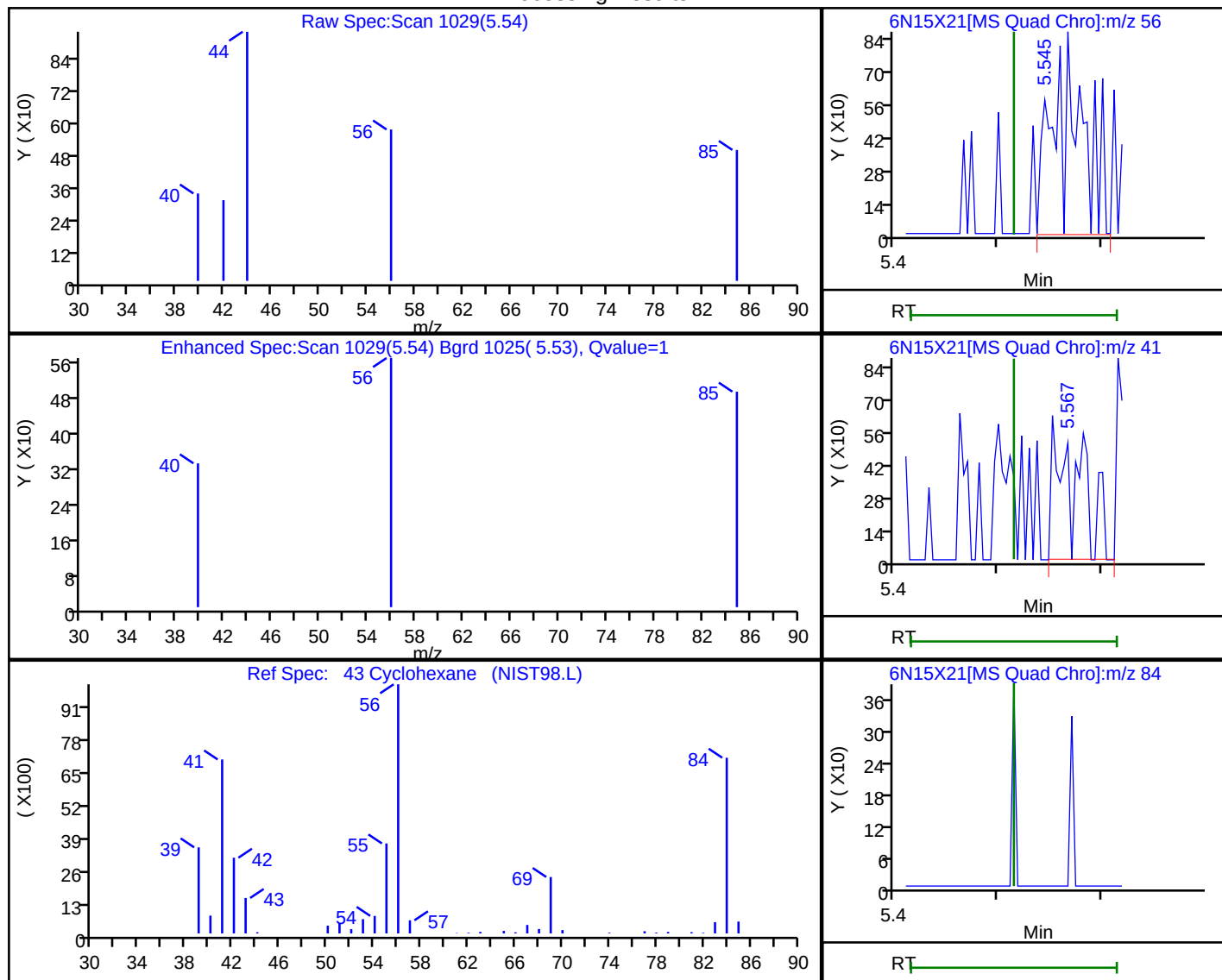
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D
Injection Date: 15-Nov-2024 17:54:52 Instrument ID: HP26379
Lims ID: 410-197119-A-6 Lab Sample ID: 410-197119-6
Client ID: 1342
Operator ID: sn105465 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.54	56.00	1706	0.185819
5.57	41.00	1082	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:50:17 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1455 Lab Sample ID: 410-197119-7

Matrix: Air Lab File ID: 6N15X22.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 18:23

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-197119-1
SDG No.:	
Client Sample ID: 1455	Lab Sample ID: 410-197119-7
Matrix: Air	Lab File ID: 6N15X22.D
Analysis Method: TO-15	Date Collected: 11/15/2024 09:32
Sample wt/vol: 200 (mL)	Date Analyzed: 11/15/2024 18:23
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: Rtx-VMS 60m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 575423	Units: ppb v/v
Preparation Batch No.:	Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1455 Lab Sample ID: 410-197119-7

Matrix: Air Lab File ID: 6N15X22.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 18:23

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Lab Sample ID: 410-197119-7

Lab File ID: 6N15X22.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 18:23

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X22.D
Lims ID: 410-197119-A-7
Client ID: 1455
Sample Type: Client
Inject. Date: 15-Nov-2024 18:23:18 ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1455
Misc. Info.: 410-0130751-021
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:51:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.442	3.426	0.030	33	3224	0.5584	
21 Carbon disulfide	76	3.610	3.599	0.011	35	1537	0.0824	
* 39 Chlorobromomethane (IS)	130	5.196	5.196	0.000	76	95828	10.0	
49 Isooctane	57	5.878	5.871	0.011	42	1904	0.0703	
* 52 1,4-Difluorobenzene	114	6.137	6.137	0.000	91	316925	10.0	
65 Toluene	91	7.558	7.542	0.019	22	2744	0.0979	
* 74 Chlorobenzene-d5 (IS)	117	8.693	8.690	0.003	80	303400	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:32

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X22.D

Injection Date: 15-Nov-2024 18:23:18

Instrument ID: HP26379

Lims ID: 410-197119-A-7

Lab Sample ID: 410-197119-7

Client ID: 1455

Operator ID: sn105465

ALS Bottle#: 4 Worklist Smp#: 21

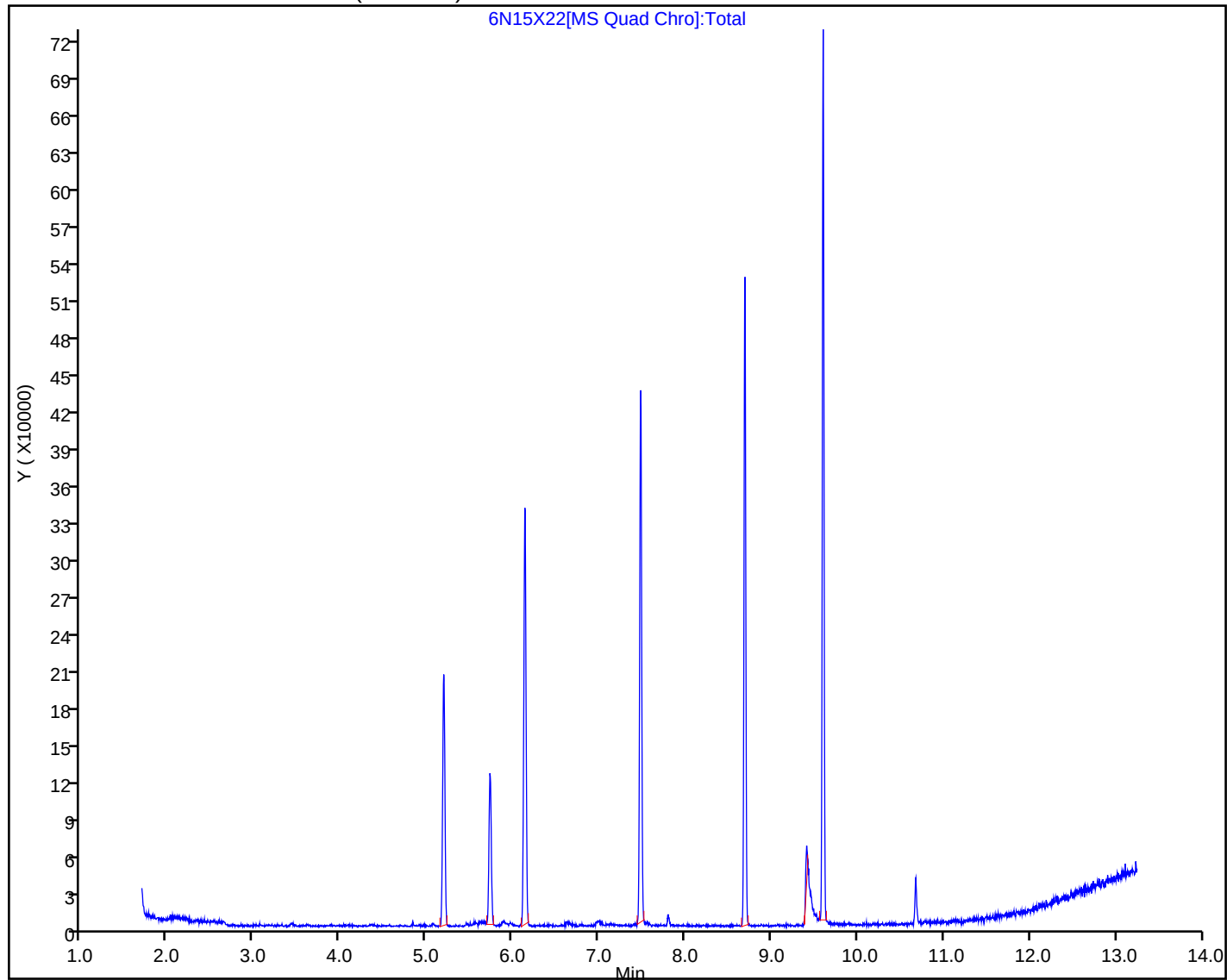
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)

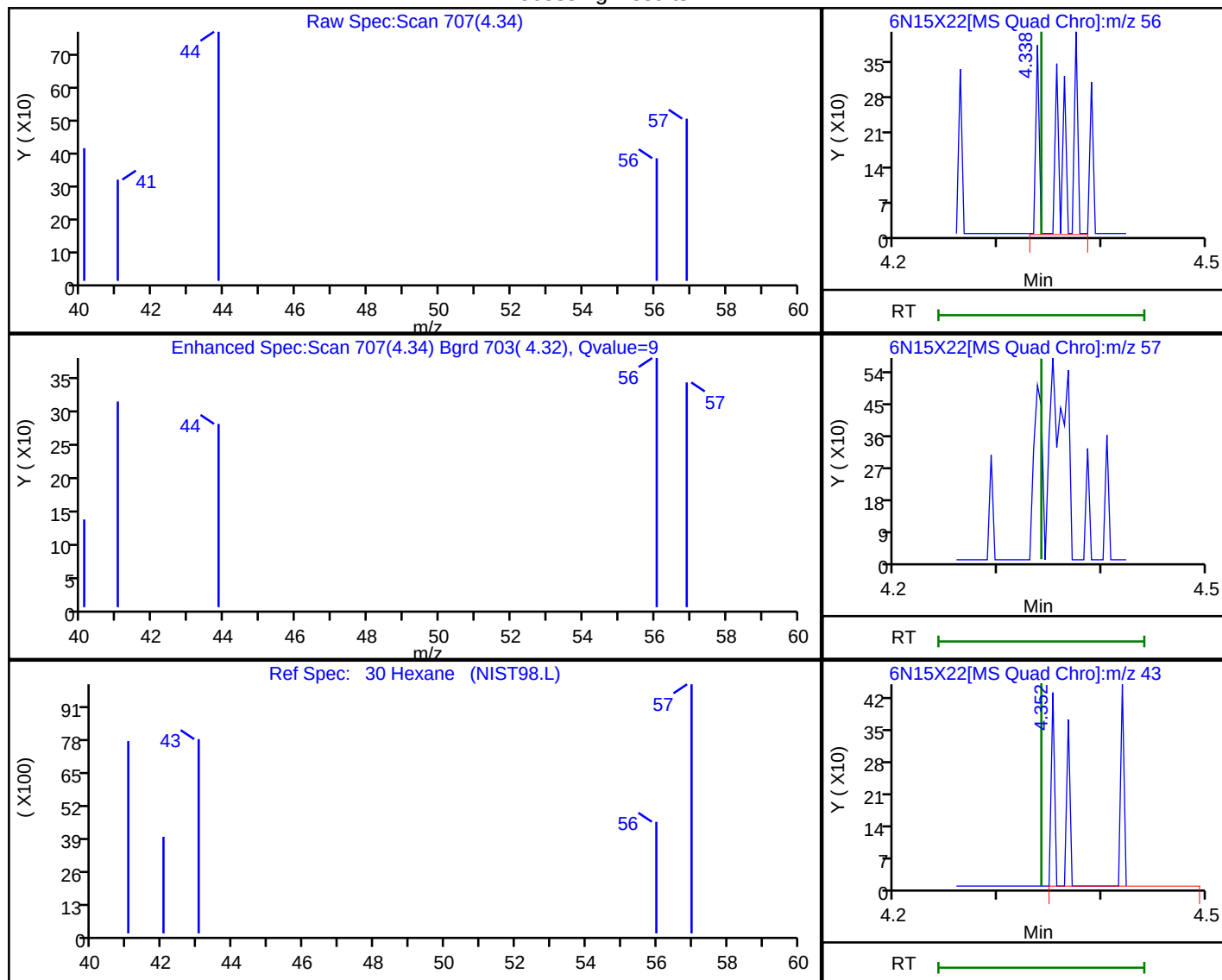


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X22.D
Injection Date: 15-Nov-2024 18:23:18 Instrument ID: HP26379
Lims ID: 410-197119-A-7 Lab Sample ID: 410-197119-7
Client ID: 1455
Operator ID: sn105465 ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.34	56.00	323	0.070037
4.35	57.00	1279	
4.35	43.00	276	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:51:08 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

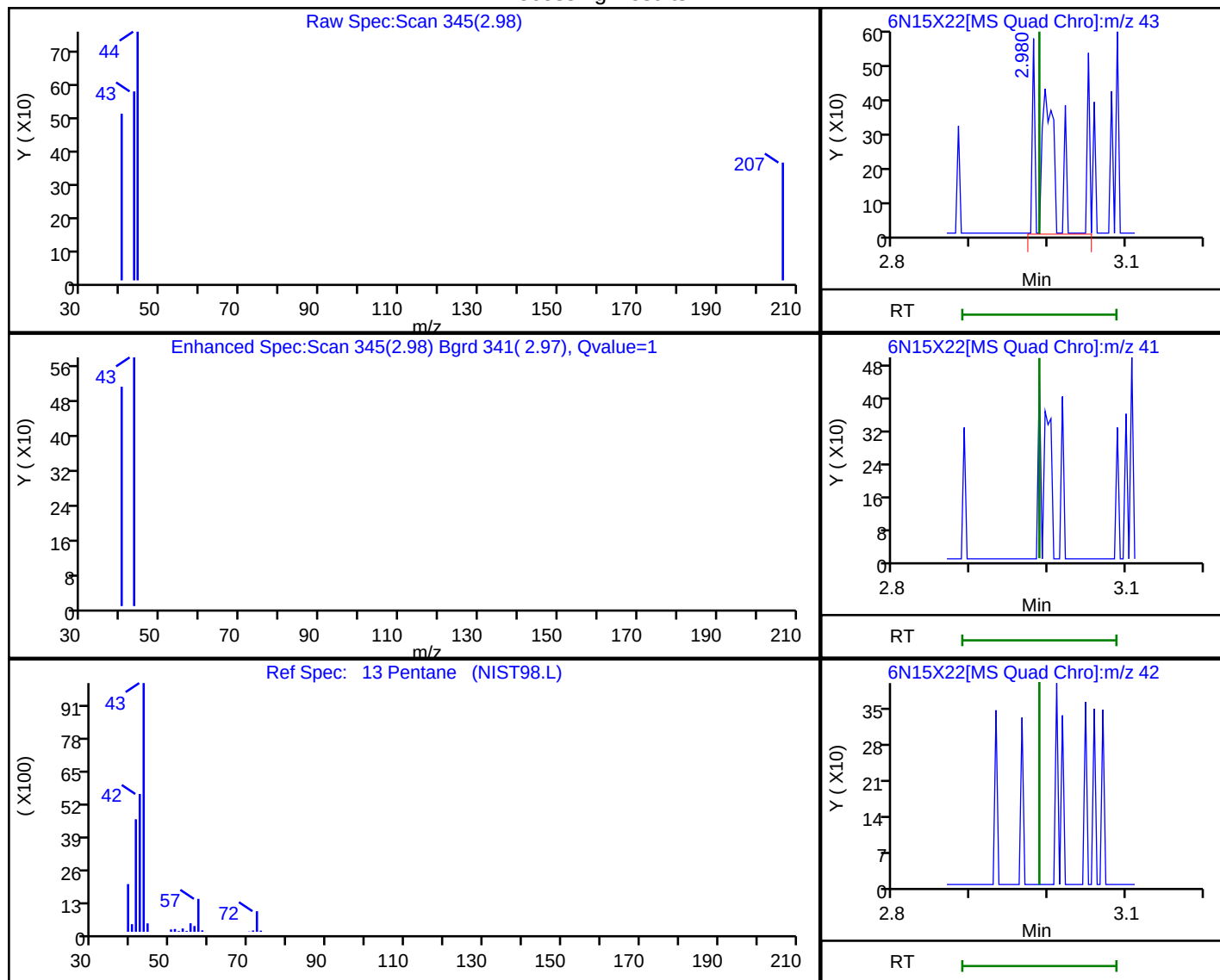
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X22.D
Injection Date: 15-Nov-2024 18:23:18 Instrument ID: HP26379
Lims ID: 410-197119-A-7 Lab Sample ID: 410-197119-7
Client ID: 1455
Operator ID: sn105465 ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
2.98	43.00	731	0.103348
2.99	41.00	0	
2.99	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:51:19 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

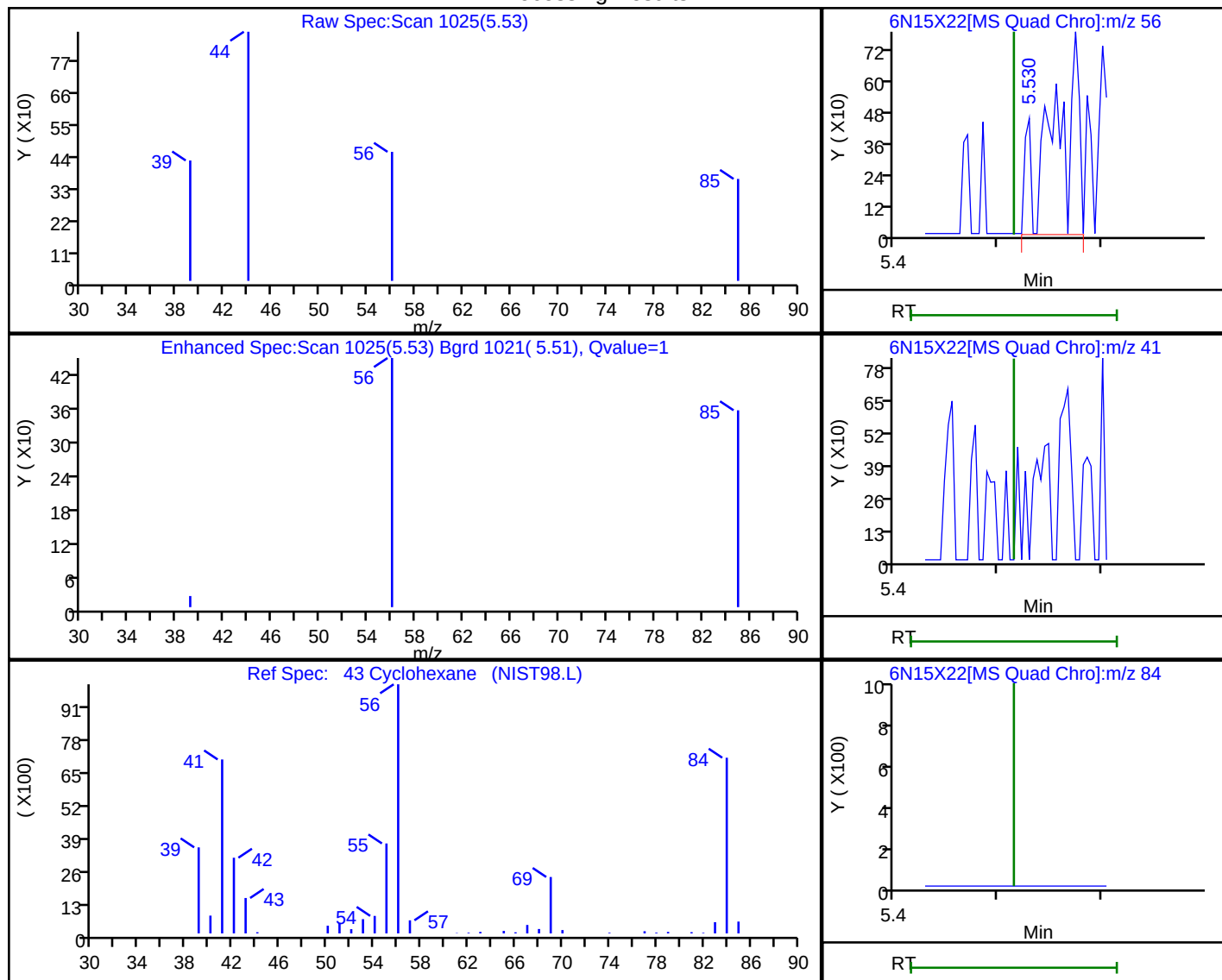
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X22.D
Injection Date: 15-Nov-2024 18:23:18 Instrument ID: HP26379
Lims ID: 410-197119-A-7 Lab Sample ID: 410-197119-7
Client ID: 1455
Operator ID: sn105465 ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.53	56.00	1283	0.139086
5.51	41.00	0	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:51:02 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1263 Lab Sample ID: 410-197119-8

Matrix: Air Lab File ID: 6N15X23.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 18:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1263 Lab Sample ID: 410-197119-8

Matrix: Air Lab File ID: 6N15X23.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 18:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1263 Lab Sample ID: 410-197119-8

Matrix: Air Lab File ID: 6N15X23.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 18:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

SDG No. :

Lab Sample ID: 410-197119-8

Lab File ID: 6N15X23.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 18:51

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Lims ID: 410-197119-A-8
Client ID: 1263
Sample Type: Client
Inject. Date: 15-Nov-2024 18:51:37 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1263
Misc. Info.: 410-0130751-022
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:52:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.434	3.426	0.022	63	3679	0.6393	
21 Carbon disulfide	76	3.618	3.599	0.019	48	3581	0.1926	
26 2-Methyl-2-propanol	59	3.921	3.896	0.022	53	1205	0.1107	
* 39 Chlorobromomethane (IS)	130	5.196	5.196	0.000	77	95516	10.0	
43 Cyclohexane	56	5.529	5.507	0.014	29	1714	0.1864	
49 Isooctane	57	5.871	5.871	0.004	12	3636	0.1315	
* 52 1,4-Difluorobenzene	114	6.137	6.137	0.000	91	323738	10.0	
65 Toluene	91	7.546	7.542	0.007	26	3016	0.1052	
* 74 Chlorobenzene-d5 (IS)	117	8.693	8.690	0.003	80	310257	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:33

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D

Injection Date: 15-Nov-2024 18:51:37

Instrument ID: HP26379

Lims ID: 410-197119-A-8

Lab Sample ID: 410-197119-8

Client ID: 1263

Operator ID: sn105465

ALS Bottle#: 2 Worklist Smp#: 22

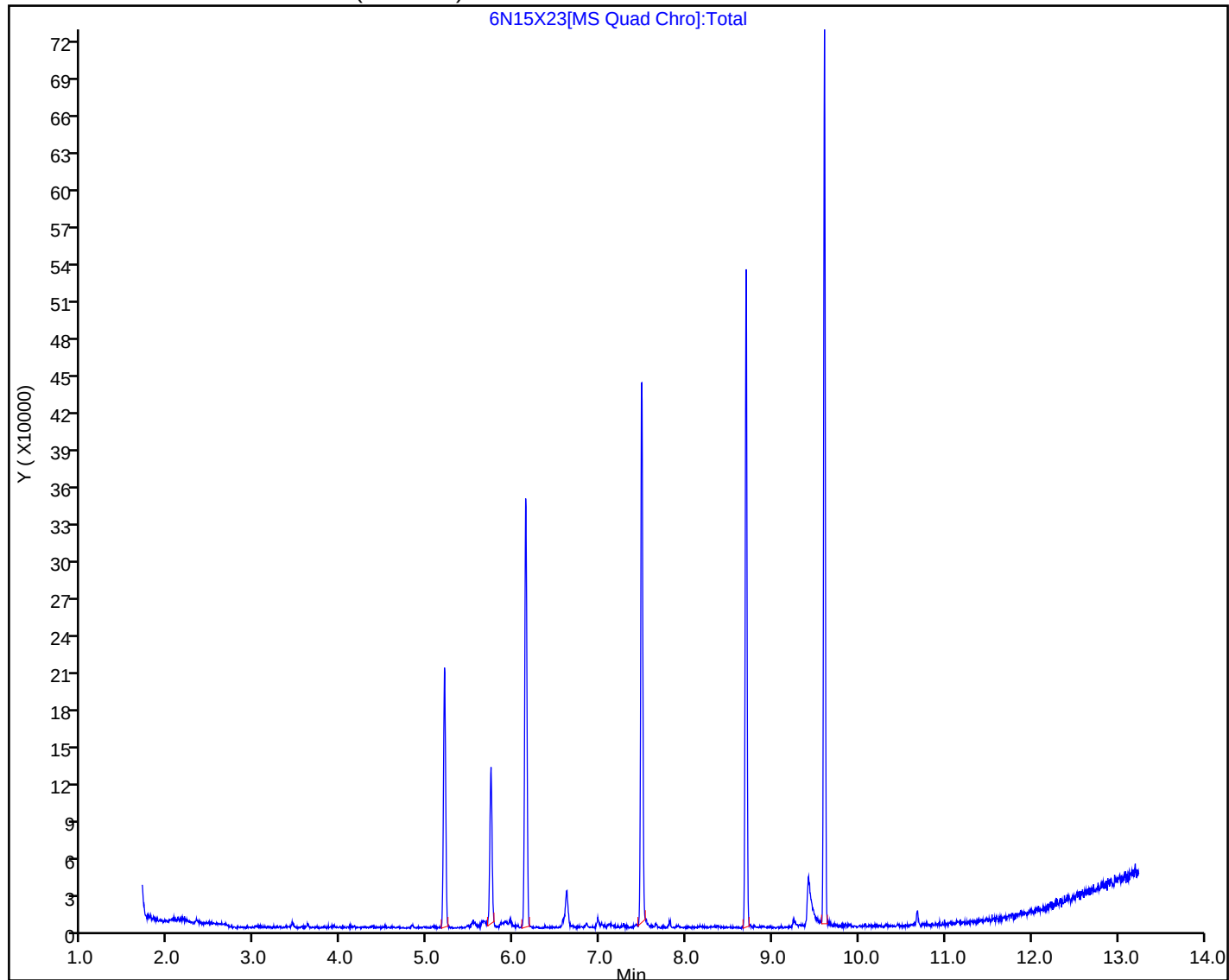
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)

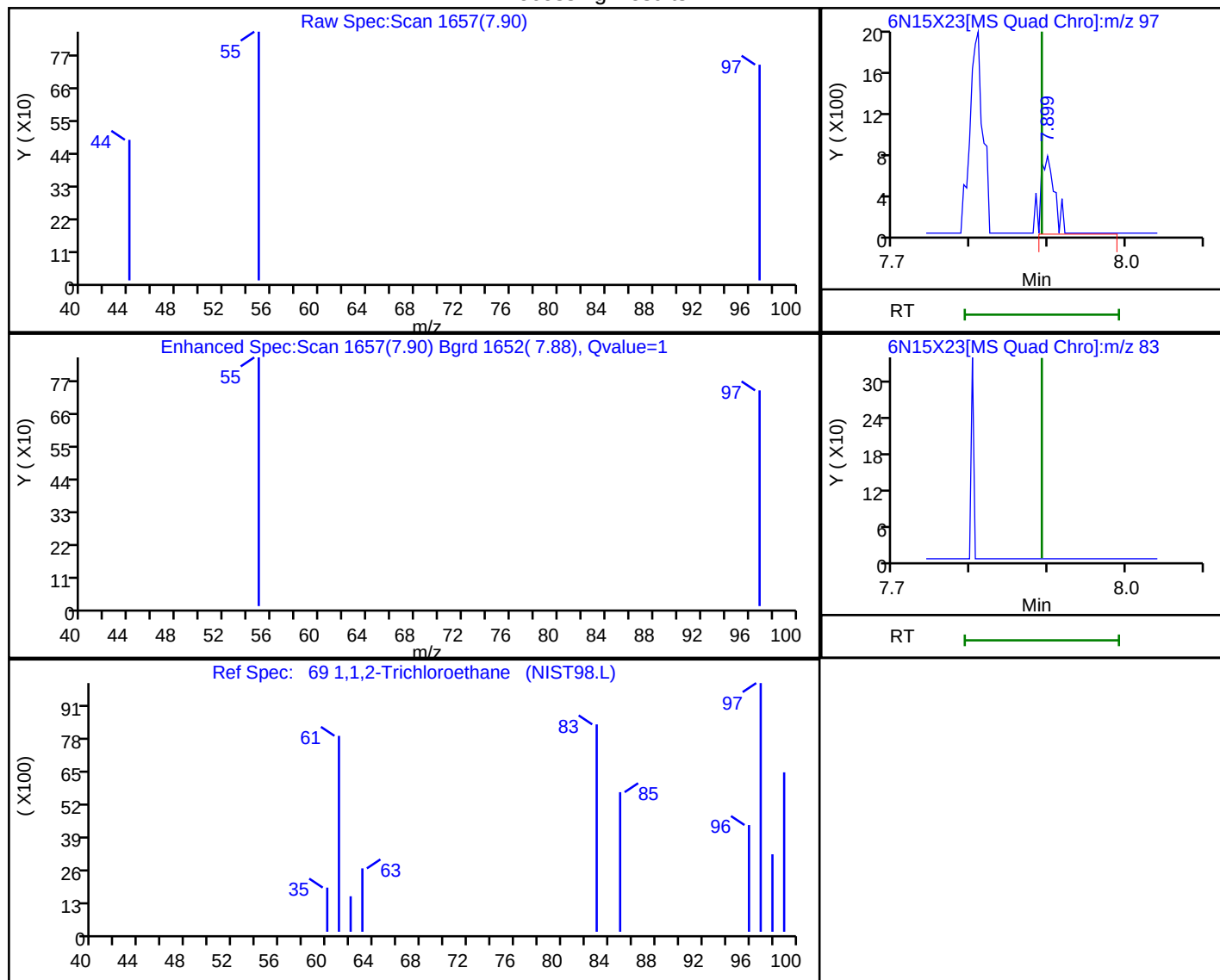


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Injection Date: 15-Nov-2024 18:51:37 Instrument ID: HP26379
Lims ID: 410-197119-A-8 Lab Sample ID: 410-197119-8
Client ID: 1263
Operator ID: sn105465 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

69 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



Reviewer: D7UM, 17-Nov-2024 09:52:11 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

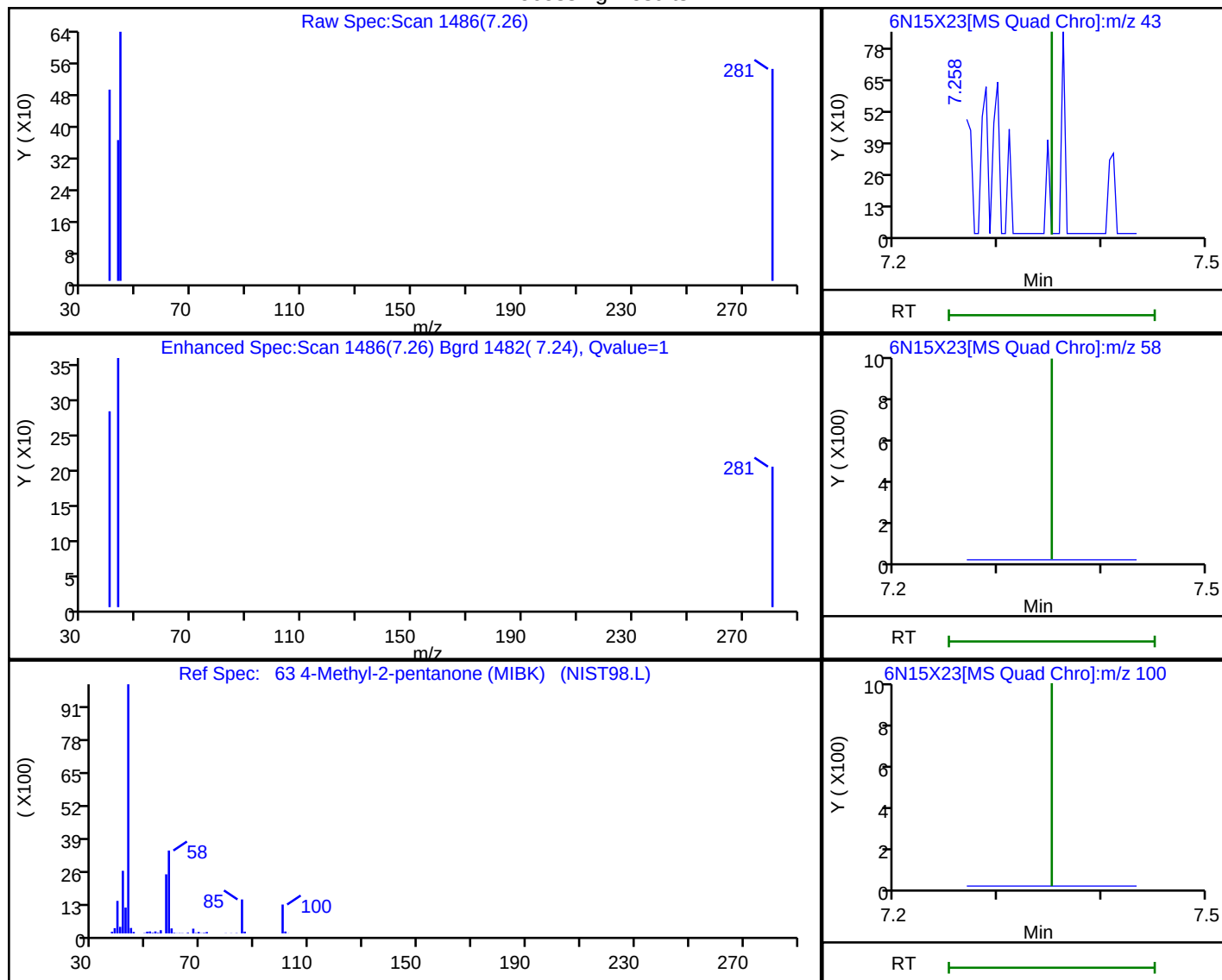
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Injection Date: 15-Nov-2024 18:51:37 Instrument ID: HP26379
Lims ID: 410-197119-A-8 Lab Sample ID: 410-197119-8
Client ID: 1263
Operator ID: sn105465 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

63 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.26	43.00	929	0.120157
7.35	58.00	0	
7.35	100.00	0	

Reviewer: D7UM, 17-Nov-2024 09:52:06 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

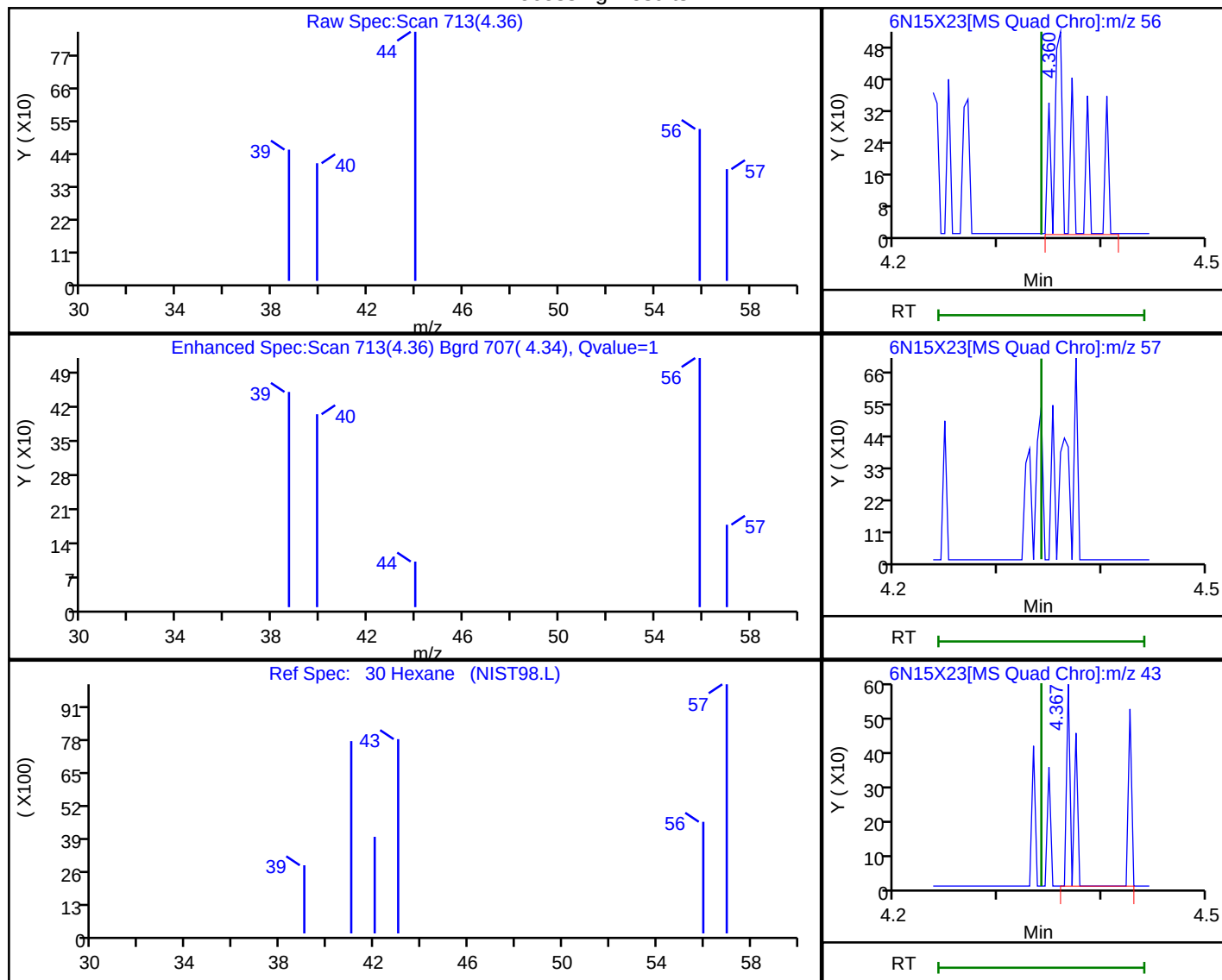
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Injection Date: 15-Nov-2024 18:51:37 Instrument ID: HP26379
Lims ID: 410-197119-A-8 Lab Sample ID: 410-197119-8
Client ID: 1263
Operator ID: sn105465 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.36	56.00	543	0.118125
4.34	57.00	0	
4.37	43.00	353	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:51:41 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

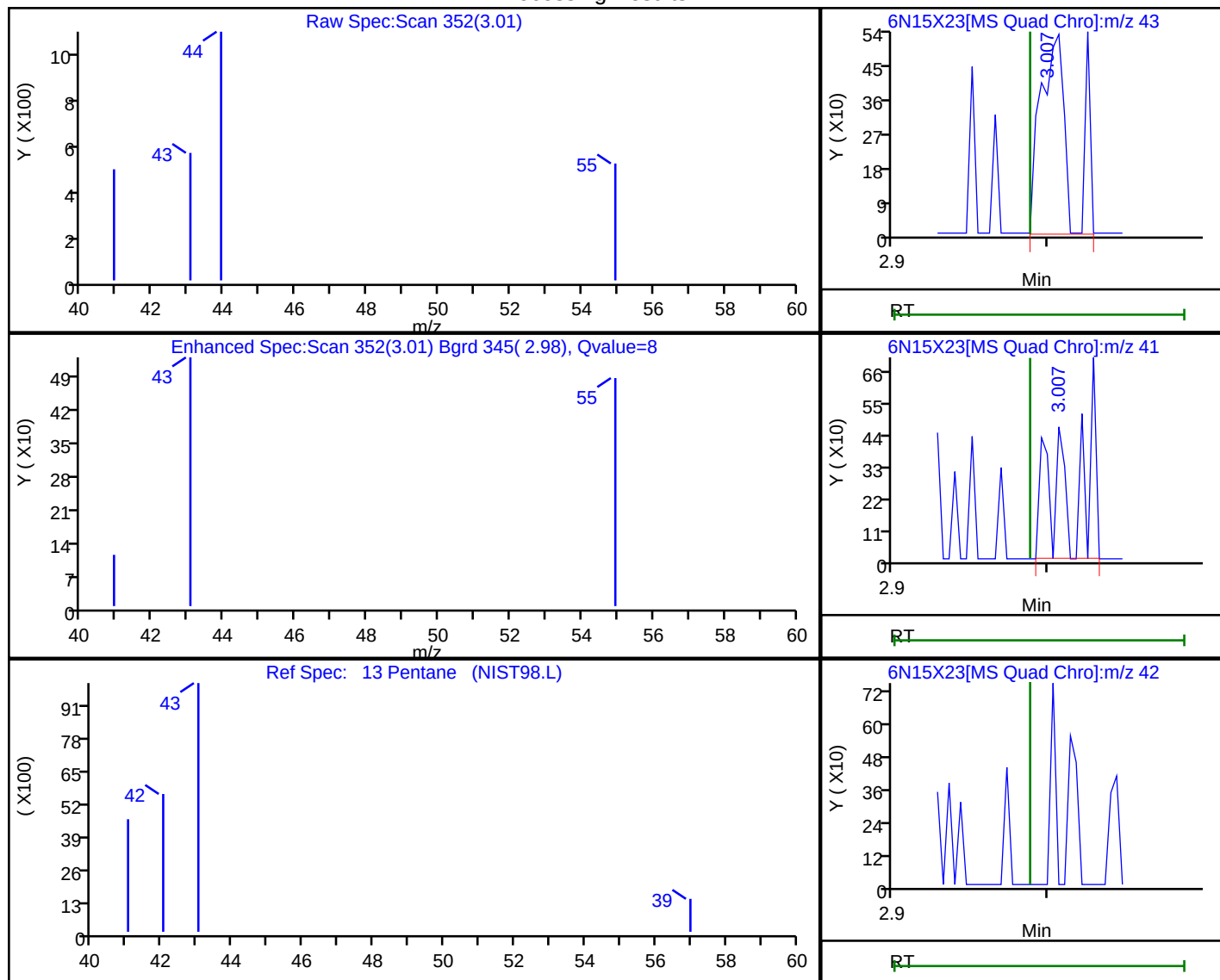
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Injection Date: 15-Nov-2024 18:51:37 Instrument ID: HP26379
Lims ID: 410-197119-A-8 Lab Sample ID: 410-197119-8
Client ID: 1263
Operator ID: sn105465 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
3.01	43.00	663	0.094041
3.01	41.00	626	
2.99	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:51:32 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

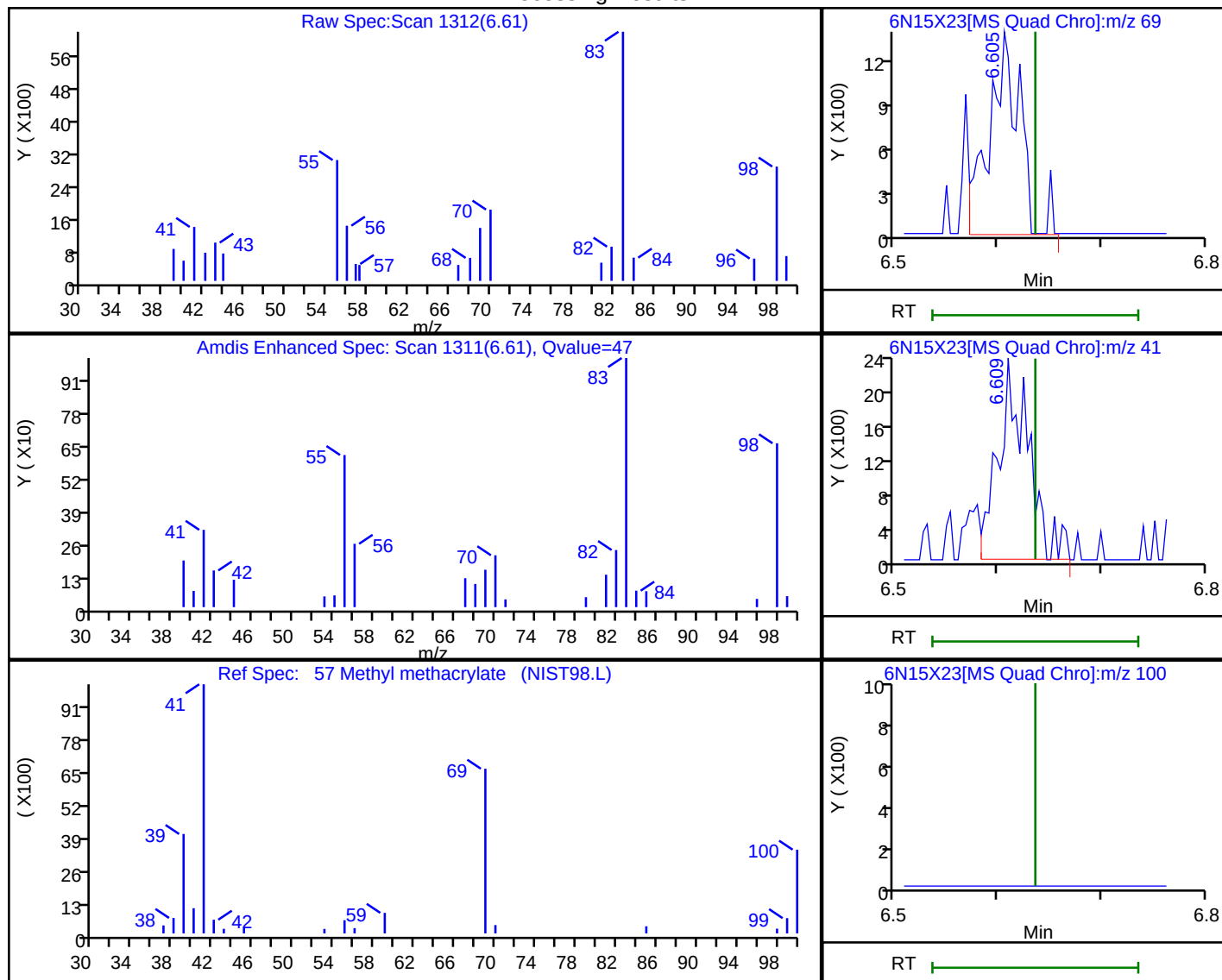
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Injection Date: 15-Nov-2024 18:51:37 Instrument ID: HP26379
Lims ID: 410-197119-A-8 Lab Sample ID: 410-197119-8
Client ID: 1263
Operator ID: sn105465 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

57 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
6.61	69.00	2618	0.472118
6.61	41.00	4769	
6.64	100.00	0	

Reviewer: D7UM, 17-Nov-2024 09:52:03 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

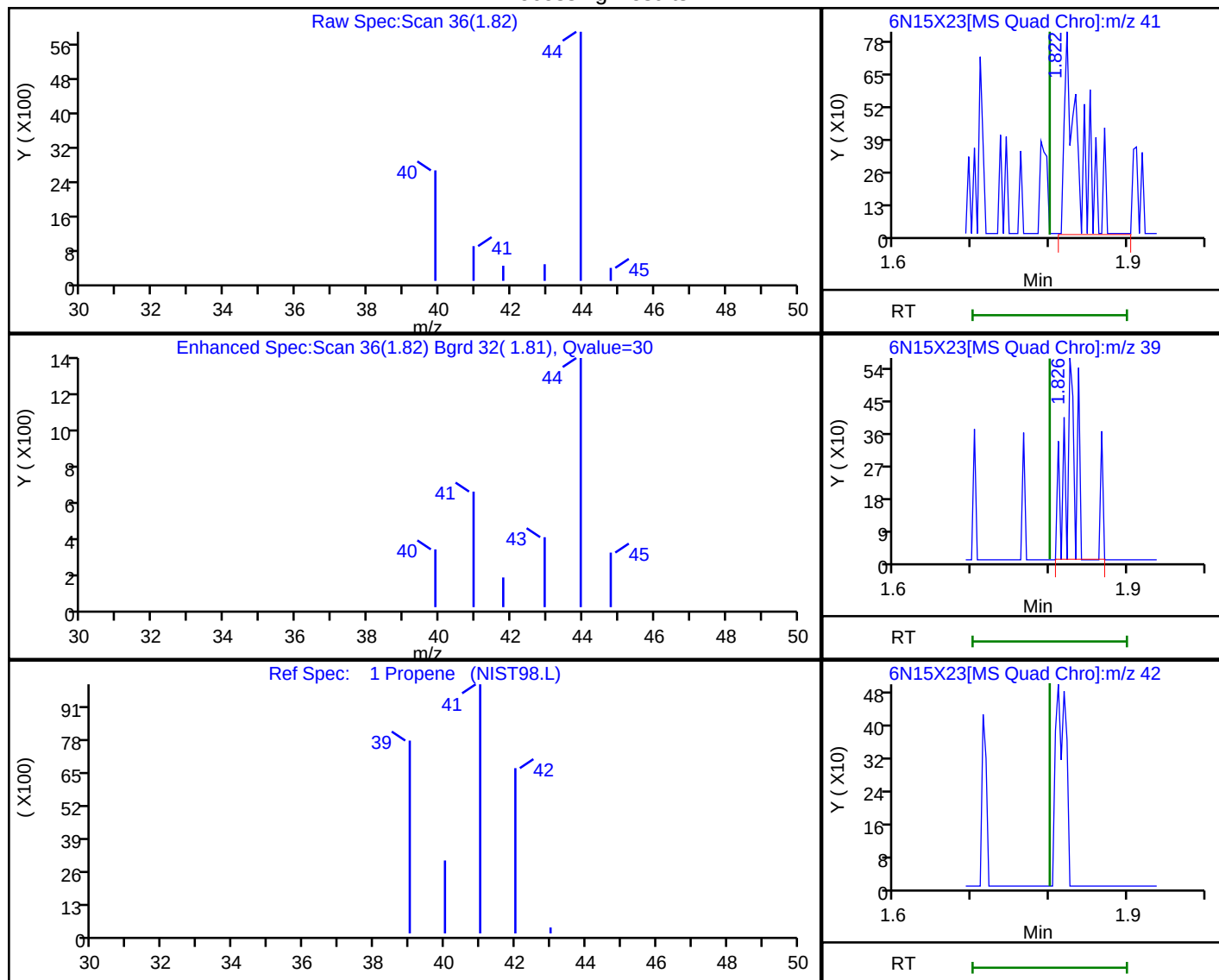
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Injection Date: 15-Nov-2024 18:51:37 Instrument ID: HP26379
Lims ID: 410-197119-A-8 Lab Sample ID: 410-197119-8
Client ID: 1263
Operator ID: sn105465 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.82	41.00	1099	0.317689
1.83	39.00	596	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:51:29 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1649 Lab Sample ID: 410-197119-9

Matrix: Air Lab File ID: 6N15X24.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 19:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	1.2	J	5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

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Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1649 Lab Sample ID: 410-197119-9

Matrix: Air Lab File ID: 6N15X24.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 19:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-197119-1
SDG No.:	
Client Sample ID: 1649	Lab Sample ID: 410-197119-9
Matrix: Air	Lab File ID: 6N15X24.D
Analysis Method: TO-15	Date Collected: 11/15/2024 09:32
Sample wt/vol: 200 (mL)	Date Analyzed: 11/15/2024 19:20
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: Rtx-VMS 60m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 575423	Units: ppb v/v
Preparation Batch No.:	Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Lab Sample ID: 410-197119-9

Lab File ID: 6N15X24.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 19:20

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D
Lims ID: 410-197119-A-9
Client ID: 1649
Sample Type: Client
Inject. Date: 15-Nov-2024 19:20:01 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1649
Misc. Info.: 410-0130751-023
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:53:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.426	3.426	0.014	75	7000	1.25	a
21 Carbon disulfide	76	3.603	3.599	0.004	59	1752	0.0964	
* 39 Chlorobromomethane (IS)	130	5.192	5.196	-0.004	77	93311	10.0	
49 Isooctane	57	5.867	5.871	0.000	12	848	0.0322	7M
* 52 1,4-Difluorobenzene	114	6.137	6.137	0.000	91	307994	10.0	
65 Toluene	91	7.542	7.542	0.003	27	2425	0.0869	
* 74 Chlorobenzene-d5 (IS)	117	8.690	8.690	0.000	80	301946	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:35

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D

Injection Date: 15-Nov-2024 19:20:01

Instrument ID: HP26379

Lims ID: 410-197119-A-9

Lab Sample ID: 410-197119-9

Client ID: 1649

Operator ID: sn105465

ALS Bottle#: 14

Worklist Smp#: 23

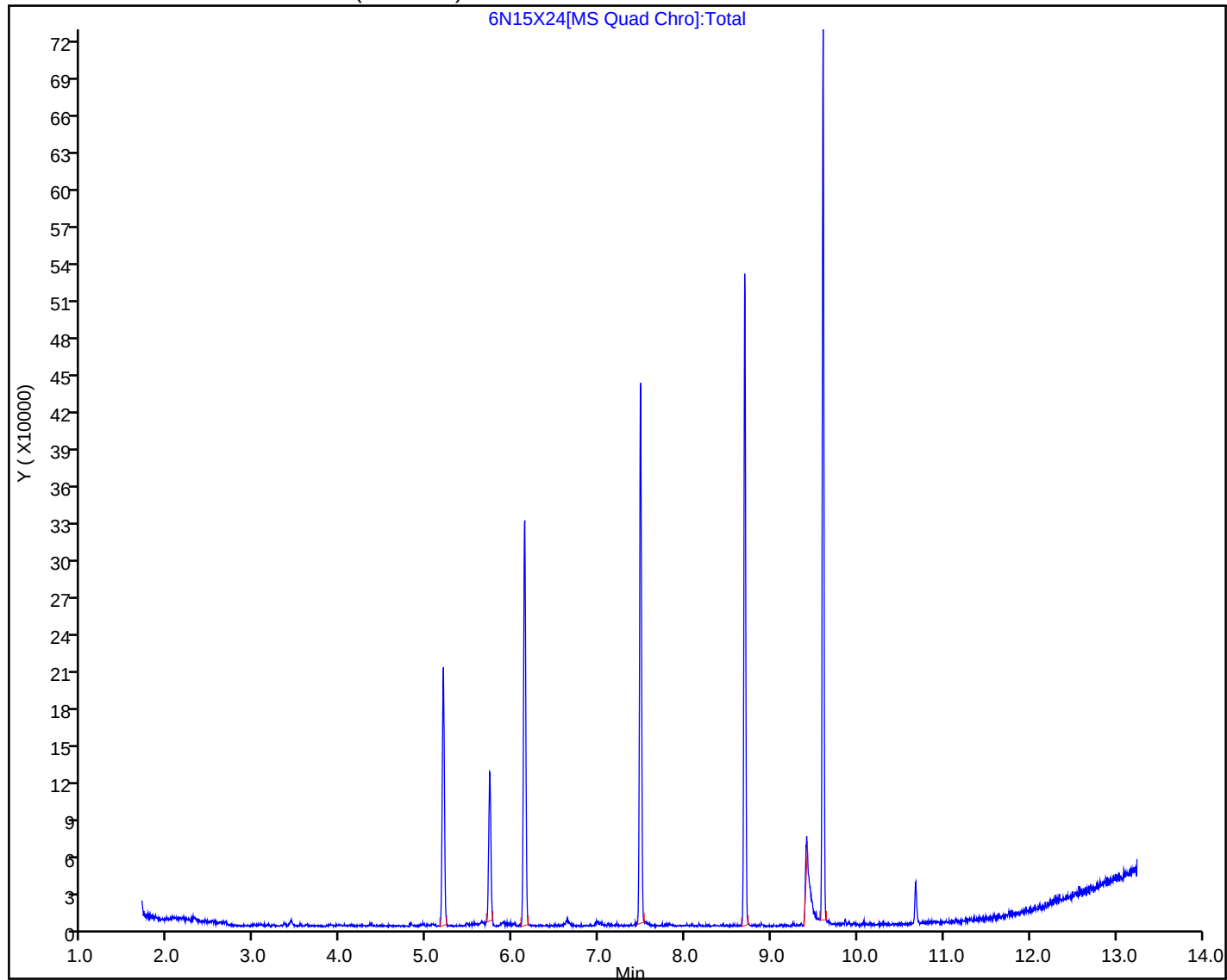
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D

Injection Date: 15-Nov-2024 19:20:01

Instrument ID: HP26379

Lims ID: 410-197119-A-9

Lab Sample ID: 410-197119-9

Client ID: 1649

Operator ID: sn105465

ALS Bottle#: 14

Worklist Smp#: 23

Purge Vol: 200.000 mL

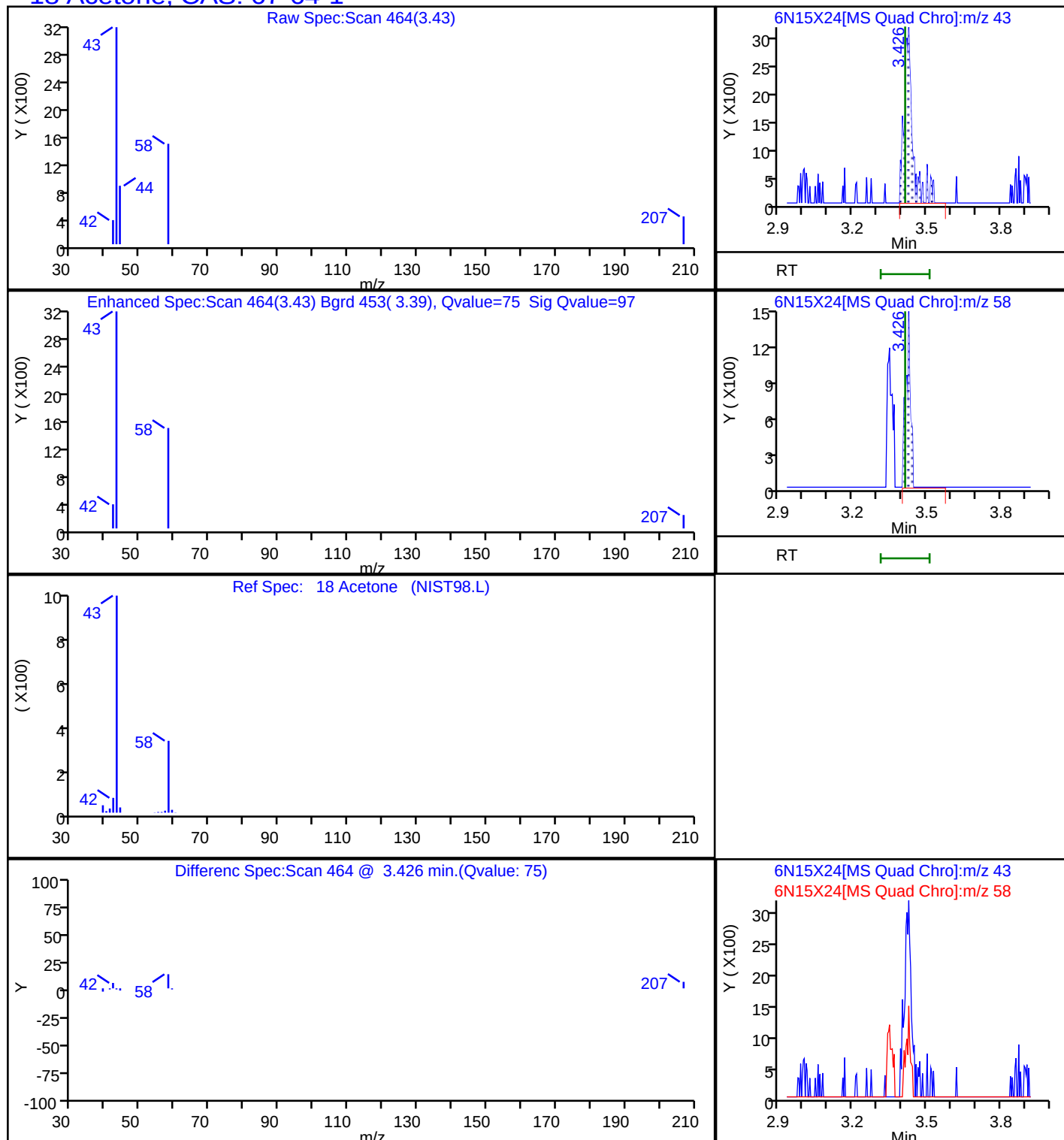
Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector

MS Quad

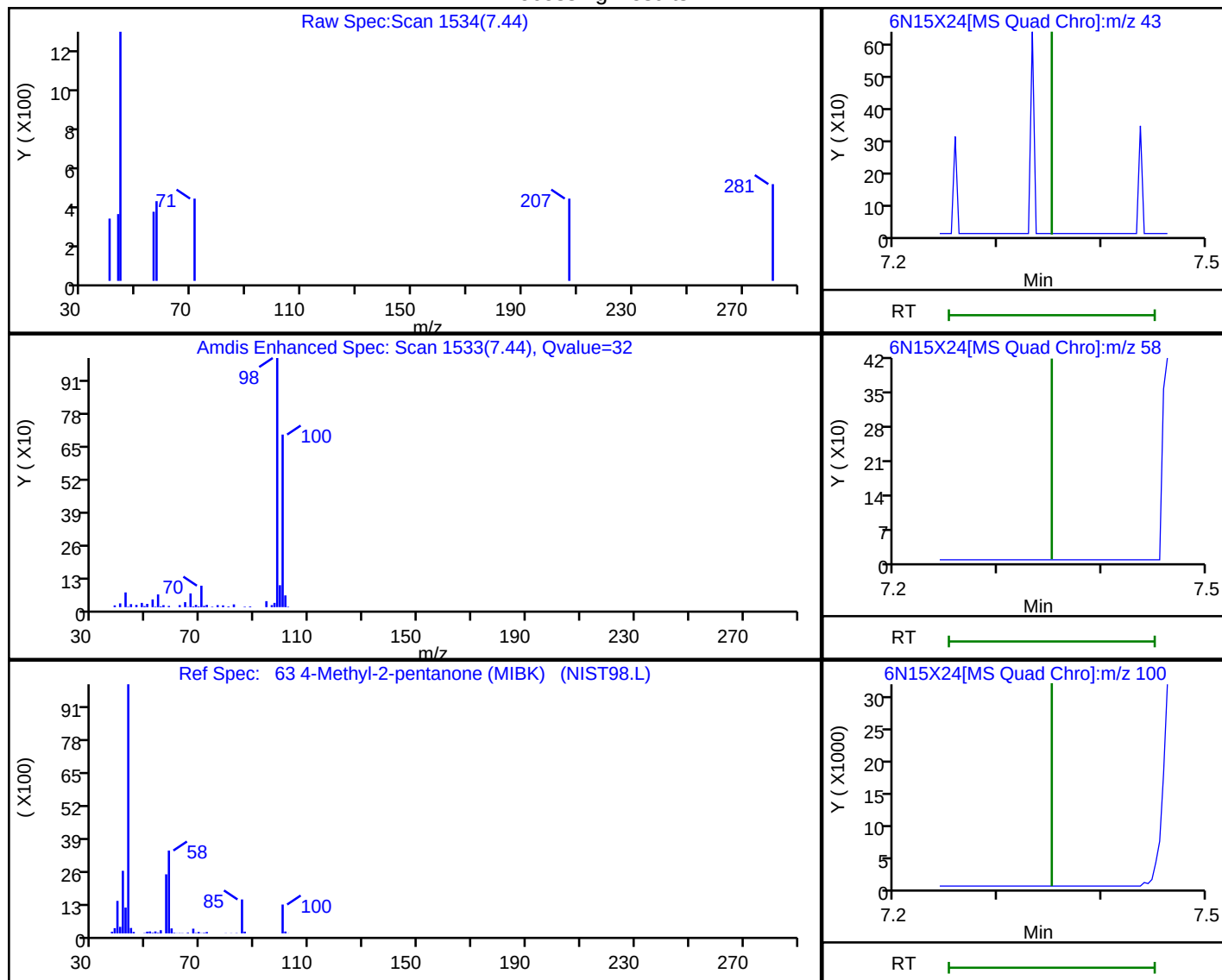
18 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D
Injection Date: 15-Nov-2024 19:20:01 Instrument ID: HP26379
Lims ID: 410-197119-A-9 Lab Sample ID: 410-197119-9
Client ID: 1649
Operator ID: sn105465 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

63 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.44	43.00	915	0.124396
7.47	58.00	1622	
7.48	100.00	195822	

Reviewer: D7UM, 17-Nov-2024 09:52:36 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D				
Injection Date:	15-Nov-2024 19:20:01	Instrument ID:	HP26379		
Lims ID:	410-197119-A-9	Lab Sample ID:	410-197119-9		
Client ID:	1649				
Operator ID:	sn105465	ALS Bottle#:	14	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

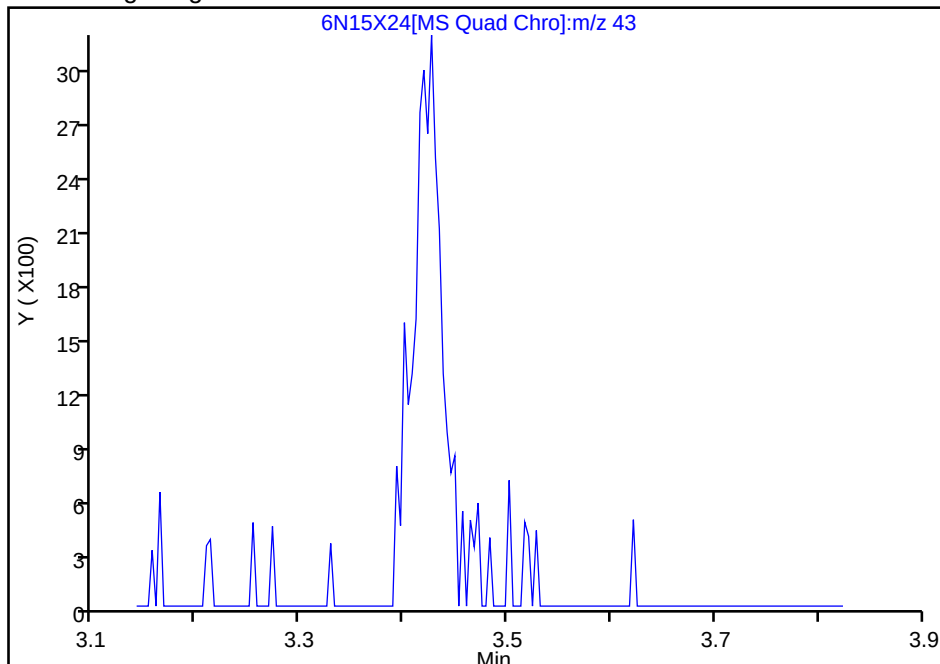
18 Acetone, CAS: 67-64-1

Signal: 1

Not Detected

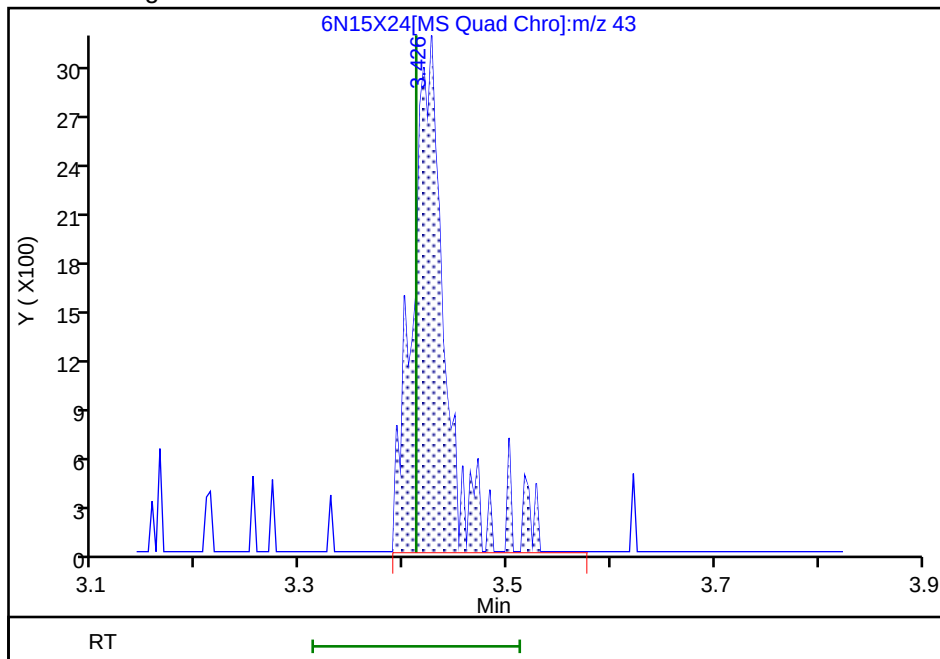
Expected RT: 3.41

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 7000
Amount: 1.245038
Amount Units: ppb v/v



Reviewer: D7UM, 17-Nov-2024 09:53:08 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

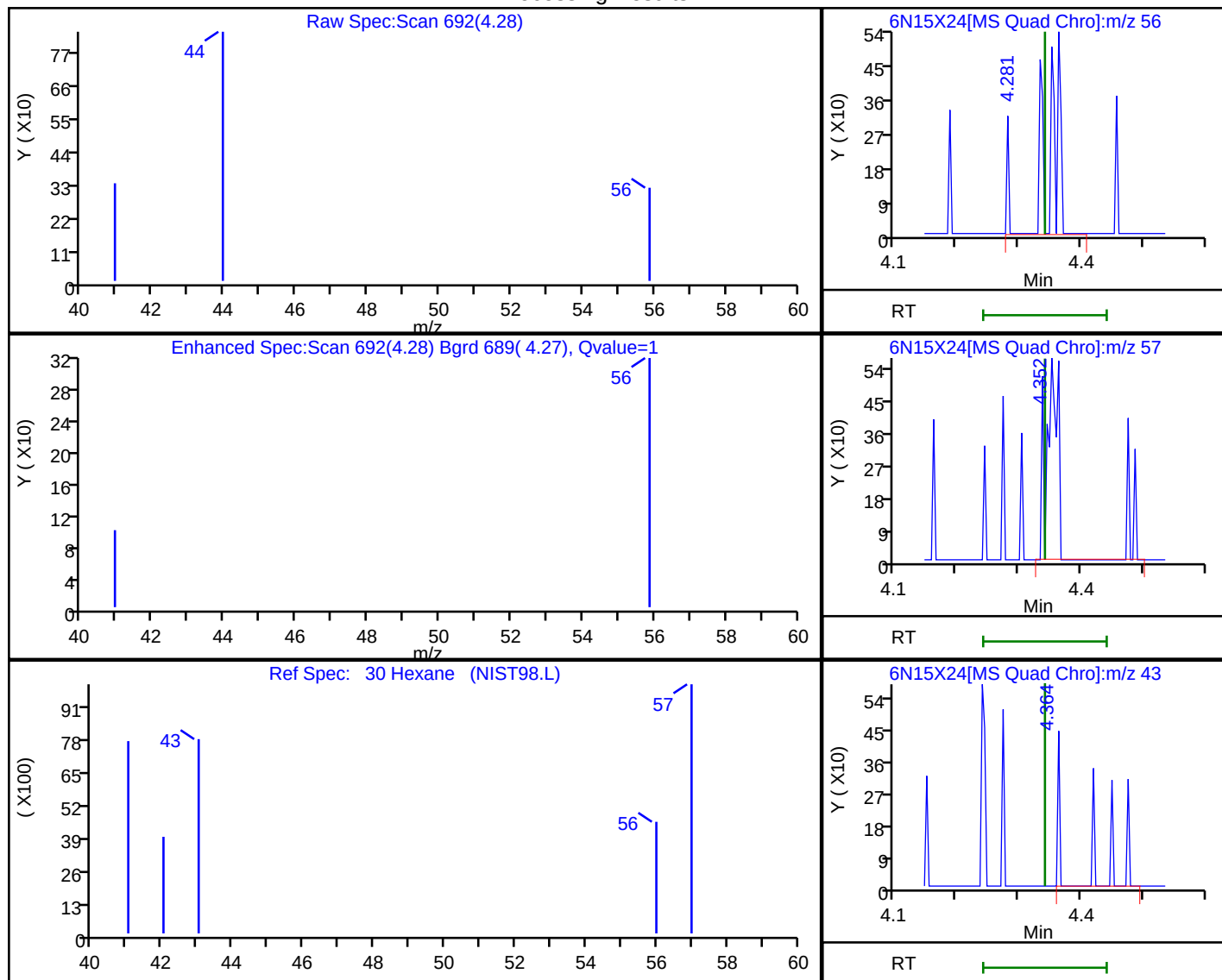
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D
Injection Date: 15-Nov-2024 19:20:01 Instrument ID: HP26379
Lims ID: 410-197119-A-9 Lab Sample ID: 410-197119-9
Client ID: 1649
Operator ID: sn105465 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.28	56.00	644	0.143407
4.35	57.00	863	
4.36	43.00	313	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:53:01 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

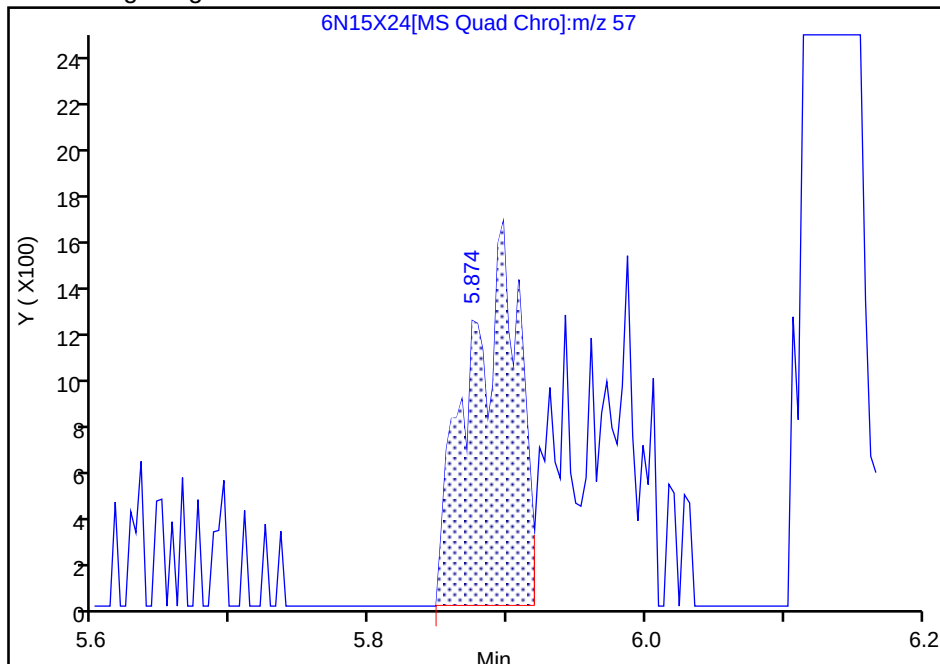
Data File:	\\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D				
Injection Date:	15-Nov-2024 19:20:01	Instrument ID:	HP26379		
Lims ID:	410-197119-A-9	Lab Sample ID:	410-197119-9		
Client ID:	1649				
Operator ID:	sn105465	ALS Bottle#:	14	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

49 Isooctane, CAS: 540-84-1

Signal: 1

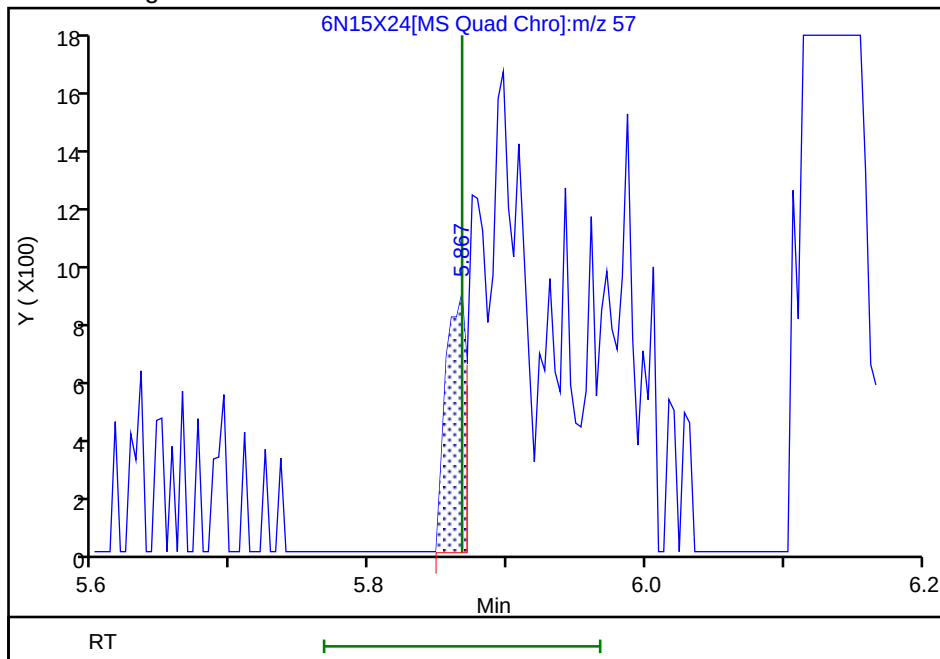
RT: 5.87
Area: 4023
Amount: 0.152914
Amount Units: ppb v/v

Processing Integration Results



RT: 5.87
Area: 848
Amount: 0.032232
Amount Units: ppb v/v

Manual Integration Results



Reviewer: D7UM, 17-Nov-2024 09:52:48 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

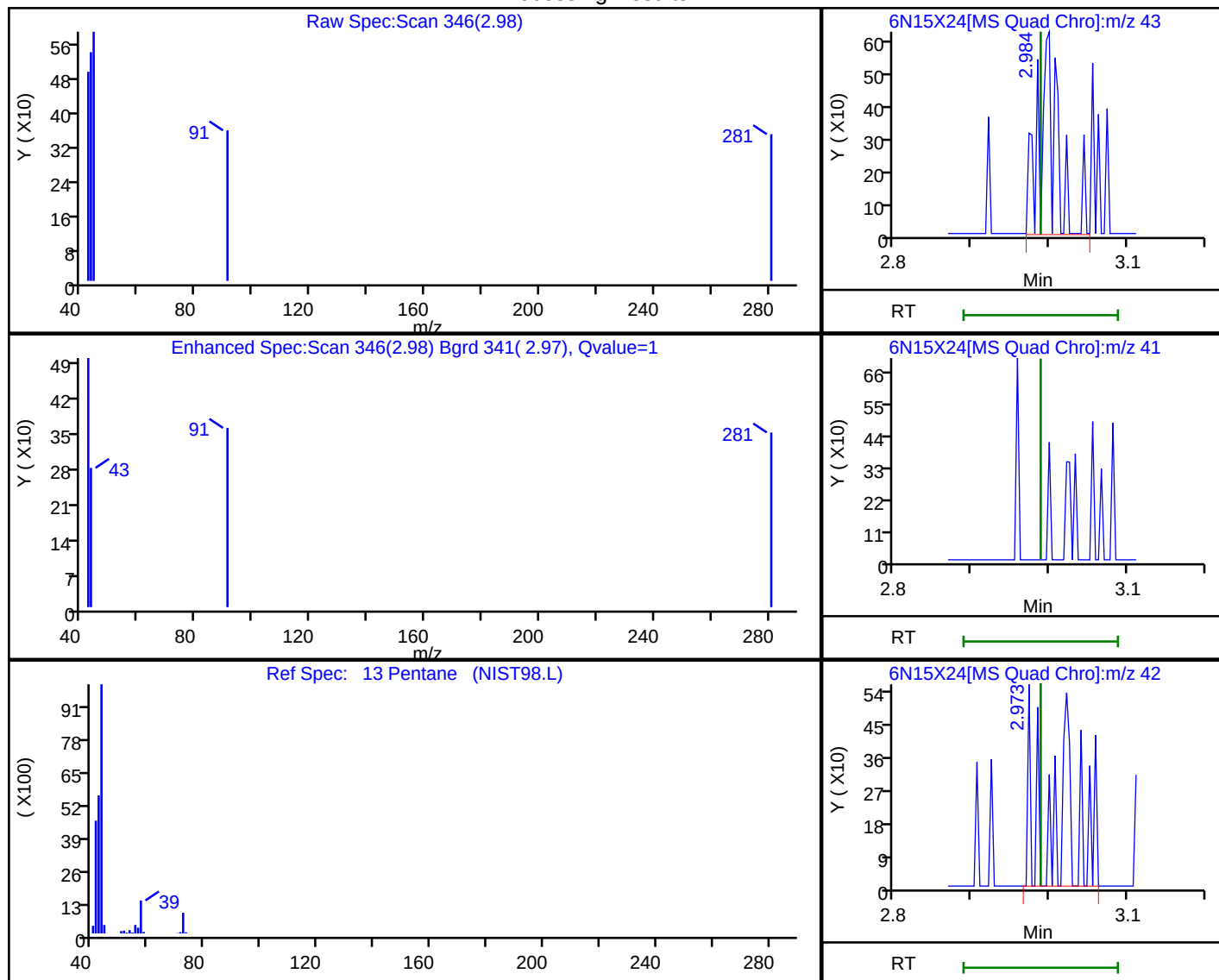
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D
Injection Date: 15-Nov-2024 19:20:01 Instrument ID: HP26379
Lims ID: 410-197119-A-9 Lab Sample ID: 410-197119-9
Client ID: 1649
Operator ID: sn105465 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
2.98	43.00	975	0.141563
2.99	41.00	0	
2.97	42.00	947	

Reviewer: D7UM, 17-Nov-2024 09:53:19 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

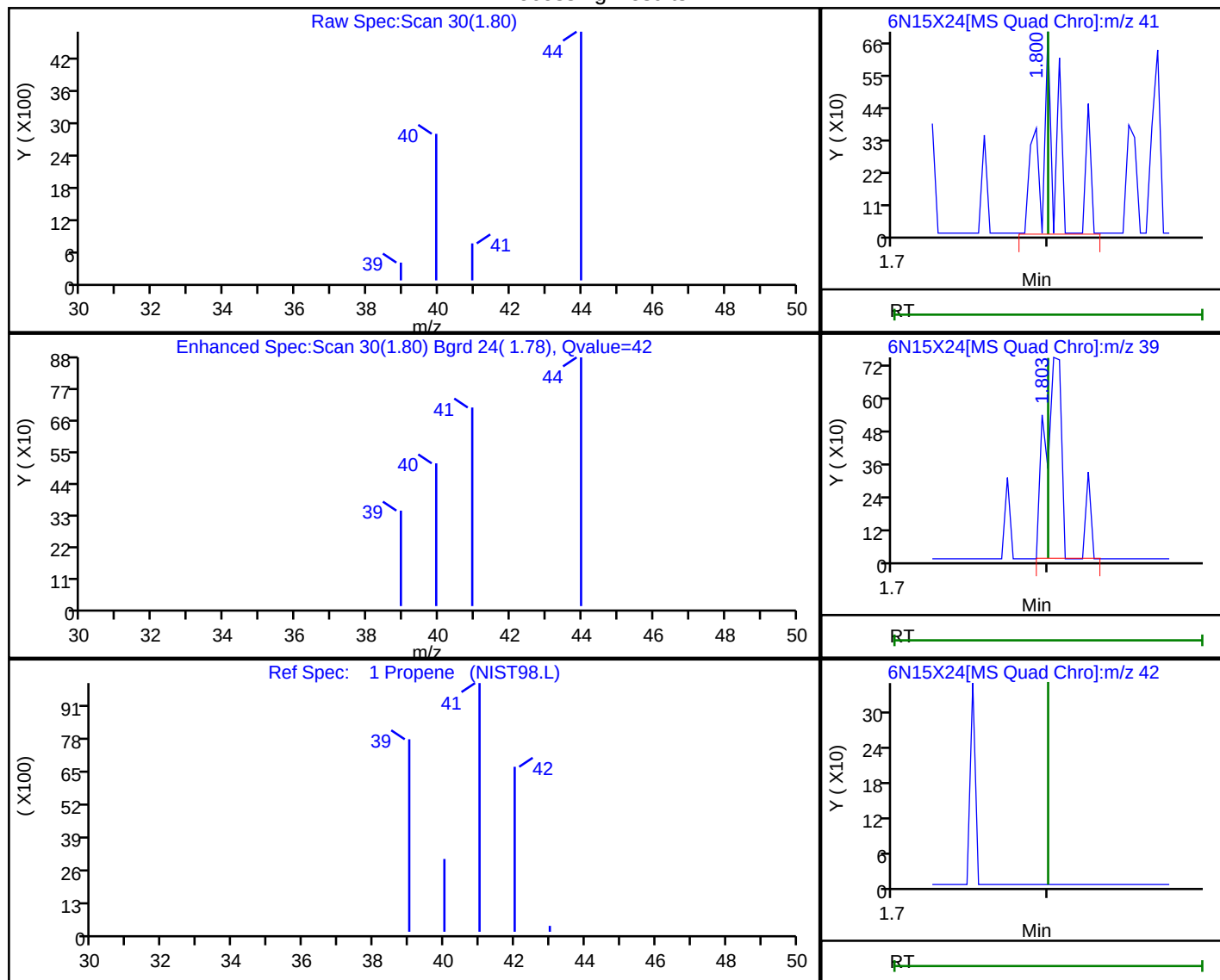
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D
Injection Date: 15-Nov-2024 19:20:01 Instrument ID: HP26379
Lims ID: 410-197119-A-9 Lab Sample ID: 410-197119-9
Client ID: 1649
Operator ID: sn105465 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.80	41.00	544	0.160971
1.80	39.00	603	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:53:23 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

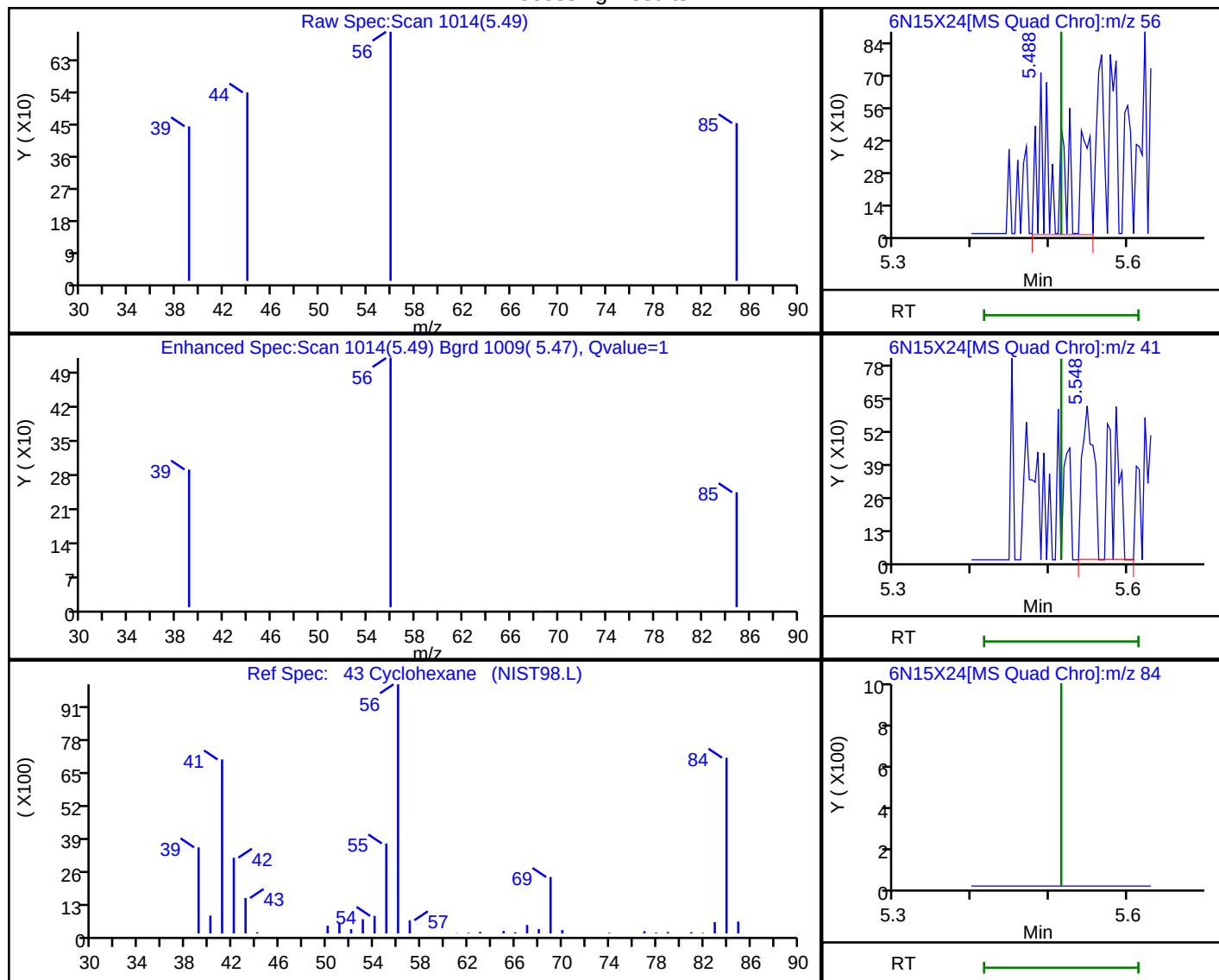
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D
Injection Date: 15-Nov-2024 19:20:01 Instrument ID: HP26379
Lims ID: 410-197119-A-9 Lab Sample ID: 410-197119-9
Client ID: 1649
Operator ID: sn105465 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.49	56.00	1170	0.130258
5.55	41.00	1160	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:52:56 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Appendix D: Pre-Remediation Groundwater Quality Data



TABLE 10
Groundwater Analytical Results
Remedial Investigation
Bartlett Tree Company Site
Westbury, New York

Water Results:												
Analyte Group: 1-BTEX/Volatiles												
Analyte Name	Class GA Groundwater Criteria			Location:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	MW-1D	MW-1D
	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	DUP-040909	MW-1D
				SampleDate:	10/27/08	04/09/09	03/23/10	05/22/12	10/27/08	04/09/09	04/09/09	03/23/10
Toluene	NE	5	UG/L		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Analyte Group: 1-Volatiles												
Analyte Name	Class GA Groundwater Criteria			Location:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	MW-1D	MW-1D
	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	DUP-040909	MW-1D
				SampleDate:	10/27/08	04/09/09	03/23/10	05/22/12	10/27/08	04/09/09	04/09/09	03/23/10
1,1-Dichloroethane	NE	5	UG/L		1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U
1,1-Dichloroethene	NE	5	UG/L		0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1 J	1 J	0.8 U
Bromodichloromethane	50	NE	UG/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	NE	60	UG/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	NE	7	UG/L		0.8 U	0.8 U	3 J	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
cis-1,2-Dichloroethene	NE	5	UG/L		0.8 U	0.8 U	0.8 U	0.8 U	*38	*48	*47	*46
Dibromochloromethane	50	NE	UG/L		1 U	2 J	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	NE	5	UG/L		0.8 U	2 J	4 J	0.9 J	2 J	2 J	2 J	0.8 U
Trichloroethene (TCE)	NE	5	UG/L		1 U	1 U	1 U	1 U	*86	*120	*110	*120
Analyte Group: 2-SVOCs												
Analyte Name	Class GA Groundwater Criteria			Location:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	MW-1D	MW-1D
	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	DUP-040909	MW-1D
				SampleDate:	10/27/08	04/09/09	03/23/10	05/22/12	10/27/08	04/09/09	04/09/09	03/23/10
bis(2-Ethylhexyl)phthalate	NE	5	UG/L		2 U	2 U	NA	NA	2 U	2 U	2 U	NA
Analyte Group: 4-Pesticides/Herbicides												
Analyte Name	Class GA Groundwater Criteria			Location:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	MW-1D	MW-1D
	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	DUP-040909	MW-1D
				SampleDate:	10/27/08	04/09/09	03/23/10	05/22/12	10/27/08	04/09/09	04/09/09	03/23/10
2-(2-Methyl-4-chlorophenoxy)propionic acid (MCPP)	NE	NE	UG/L		48 U	47 U	49 U	48 UJ	48 U	47 U	47 U	49 U
2,4-DB	NE	5	UG/L		0.29 U	0.28 U	0.29 U	0.29 U	0.29 U	0.28 U	0.28 U	0.29 U
4,4'-DDD	NE	0.3	UG/L		0.0038 U	0.0039 U	0.011 U	0.0047 U	0.0038 U	0.0038 U	0.0038 U	0.012 U
4,4'-DDE	NE	0.2	UG/L		0.0038 U	0.0039 U	0.0047 U	0.0047 U	0.0038 U	0.0038 U	0.0038 U	0.0049 U
4,4'-DDT	NE	0.2	UG/L		0.0057 U	0.0059 U	0.011 U	0.0047 U	0.0058 U	0.0057 U	0.0057 U	0.012 U

TABLE 10
Groundwater Analytical Results
Remedial Investigation
Bartlett Tree Company Site
Westbury, New York

Analyte Group: 4-Pesticides/Herbicides				Class GA Groundwater Criteria									
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	Location:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D
				SampleName:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	DUP-040909	MW-1D	MW-1D
				SampleDate:	10/27/08	04/09/09	03/23/10	05/22/12	10/27/08	04/09/09	04/09/09	03/23/10	05/21/12
alpha Endosulfan (Endosulfan I)	NE	5	UG/L		0.007 U	0.0033 J	0.0028 U	0.0041 U	0.0029 U	0.0028 U	0.0028 U	0.0029 U	0.0041 U
beta Endosulfan (Endosulfan II)	NE	5	UG/L		0.0038 U	0.0039 U	0.0038 U	0.014 U	0.0038 U	0.0038 U	0.0038 U	0.0039 U	0.014 U
BHC, alpha	NE	0.01	UG/L		0.0026 U	0.0027 U	0.0025 U	0.0028 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0028 U
BHC, beta	NE	0.04	UG/L		0.025	0.0044 J	0.0036 U	0.0032 U	0.0036 U	0.0036 U	0.0036 U	0.0037 U	0.0032 U
BHC, delta	NE	0.04	UG/L		0.005 U	0.003 U	0.0028 U	0.0032 U	0.0029 U	0.0028 U	0.0028 U	0.0029 U	0.0032 U
BHC, gamma (Lindane)	NE	0.05	UG/L		0.0044 U	0.0045 U	0.0043 U	0.0019 U	0.0044 U	0.0044 U	0.0044 U	0.0045 U	0.0019 U
Chlordane, alpha	NE	0.05	UG/L		*0.11	*0.1	0.031	*0.052 JP	0.0045 U	0.0045 U	0.0045 U	0.0046 U	0.0019 U
Chlordane, gamma	NE	0.05	UG/L		NA	NA	0.024	0.006 U	NA	NA	NA	0.0041 U	0.0041 U
Chlordane, gamma	NE	NE	UG/L		0.048	*0.058	NA	NA	0.0029 U	0.0028 U	0.0028 U	NA	NA
Dalapon	50	50	UG/L		0.32 U	0.24 U	0.25 U	0.24 U	0.32 U	0.24 U	0.24 U	0.24 U	0.24 U
Dieldrin	NE	0.004	UG/L		*0.18	*0.12 J	*0.012 J	0.005 U	0.0038 U	0.0038 U	0.0038 U	0.0039 U	0.005 U
Endosulfan sulfate	NE	5	UG/L		0.0038 U	0.0039 U	0.0053 U	0.0055 U	0.0038 U	0.0038 U	0.0038 U	0.0055 U	0.0055 U
Endrin	NE	0	UG/L		0.0038 U	0.0039 U	0.0038 U	0.0077 U	0.0038 U	0.0038 U	0.0038 U	0.0039 U	0.0077 U
Endrin ketone	NE	5	UG/L		0.0038 U	0.0039 U	0.016 U	0.0047 U	0.0038 U	0.0038 U	0.0038 U	0.017 U	0.0047 U
Heptachlor epoxide	NE	0.03	UG/L		0.014	0.0036 U	0.0035 U	0.0022 U	0.0035 U	0.0035 U	0.0035 U	0.0036 U	0.0022 U
Trichlorophenoxyacetic acid (2,4,5-T)	NE	35	UG/L		0.014 U	0.014 U	0.015 U	0.014 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
Analyte Group: 5-Metals				Class GA Groundwater Criteria									
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	Location:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D
				SampleName:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	DUP-040909	MW-1D	MW-1D
				SampleDate:	10/27/08	04/09/09	03/23/10	05/22/12	10/27/08	04/09/09	04/09/09	03/23/10	05/21/12
Aluminum	NE	NE	UG/L		80.2 U	80.2 U	NA	NA	469	131 J	122 J	NA	NA
Arsenic	NE	25	UG/L		10 U	10 U	NA	NA	10 U	10 U	10 U	NA	NA
Barium	NE	1000	UG/L		108	93.1	NA	NA	143	211	214	NA	NA
Calcium	NE	NE	UG/L		36800	32000	NA	NA	13100	11800	11900	NA	NA
Chromium	NE	50	UG/L		3 U	3 U	NA	NA	3 U	3 J	3 U	NA	NA
Cobalt	NE	5	UG/L		2.1 U	2.1 U	NA	NA	*30.5	*80.8	*83	NA	NA
Copper	NE	200	UG/L		2.7 U	2.7 U	NA	NA	2.7 U	2.7 U	2.7 U	NA	NA
Iron	NE	300	UG/L		52.2 U	*615	NA	NA	*1430	*335	*321	NA	NA
Lead	NE	25	UG/L		6.9 U	6.9 U	NA	NA	6.9 U	6.9 U	6.9 U	NA	NA
Magnesium	35000	NE	UG/L		5630	4660 J	NA	NA	5110	6370 J	6470 J	NA	NA
Manganese	NE	300	UG/L		95.1	28.3	NA	NA	*1640	*2480	*2560	NA	NA
Nickel	NE	100	UG/L		5.6 U	5.6 U	NA	NA	6.2 J	13	12.9	NA	NA

TABLE 10
Groundwater Analytical Results
Remedial Investigation
Bartlett Tree Company Site
Westbury, New York

Analyte Group:		Class GA Groundwater Criteria			Location:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	MW-1D	MW-1D	MW-1D
5-Metals		TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-1S	MW-1S	MW-1S	MW-1S	MW-1D	MW-1D	DUP-040909	MW-1D	MW-1D
Analyte Name					SampleDate:	10/27/08	04/09/09	03/23/10	05/22/12	10/27/08	04/09/09	04/09/09	03/23/10	05/21/12
Potassium		NE	NE	UG/L		8480	7810	NA	NA	3640	2620	2560	NA	NA
Sodium		NE	20000	UG/L		*43900	*46100	NA	NA	*43000	*28900	*29200	NA	NA
Vanadium		NE	14	UG/L		2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	NA	NA
Zinc		2000	NE	UG/L		8.1 U	8.1 U	NA	NA	8.1 U	20.4	20.1	NA	NA

Notes:
U – The analyte was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.
J – Estimated concentration. The result is below the quantitation limit but above the method detection limit.
UJ – The analyte was not detected above the reported sample quantitation limit. However, based on data validation, the reported method detection limit is approximate and may or may not represent the actual limit of the quantitation necessary to accurately and precisely measure the analyte in the sample.
NE – Standard and/or guidance value not established.
NA – Not analyzed.
ND – Not detected.
* (Red) concentrations are above New York State Class GA Groundwater Standards or Guidance values.

(1) – Notes applicable to NYS Part 703 Standards:
(a) – Any detected concentration for Benzo(a)pyrene is considered above the Part 703 Standard.
(b) – The standard for the sum of phenolic compounds is 1 ug/L.

TABLE 10
Groundwater Analytical Results
Remedial Investigation
Bartlett Tree Company Site
Westbury, New York

Water Results:

Analyte Group: 1-BTEX/Volatiles			Class GA Groundwater Criteria			Location:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
Analyte Name			TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
						SampleDate:	10/30/08	04/10/09	03/23/10	05/21/12	10/30/08	04/10/09	03/23/10	05/22/12
Toluene			NE	5	UG/L		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Analyte Group: 1-Volatiles			Class GA Groundwater Criteria			Location:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
Analyte Name			TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
						SampleDate:	10/30/08	04/10/09	03/23/10	05/21/12	10/30/08	04/10/09	03/23/10	05/22/12
1,1-Dichloroethane			NE	5	UG/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene			NE	5	UG/L		0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Bromodichloromethane			50	NE	UG/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide			NE	60	UG/L		1 U	1 U	1 U	1 U	1 U	2 J	1 U	1 U
Chloroform			NE	7	UG/L		0.8 U	3 J	3 J	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
cis-1,2-Dichloroethene			NE	5	UG/L		0.8 U	1 J	0.8 J	4 J	1 J	3 J	0.8 U	0.8 U
Dibromochloromethane			50	NE	UG/L		1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)			NE	5	UG/L		0.8 U	0.8 U	0.8 U	1 J	0.8 U	0.8 U	0.8 U	0.8 U
Trichloroethene (TCE)			NE	5	UG/L		1 J	2 J	1 J	*8	2 J	1 U	1 U	1 U
Analyte Group: 2-SVOCs			Class GA Groundwater Criteria			Location:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
Analyte Name			TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
						SampleDate:	10/30/08	04/10/09	03/23/10	05/21/12	10/30/08	04/10/09	03/23/10	05/22/12
bis(2-Ethylhexyl)phthalate			NE	5	UG/L		2 U	2 U	NA	NA	3 J	2 J	NA	NA
Analyte Group: 4-Pesticides/Herbicides			Class GA Groundwater Criteria			Location:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
Analyte Name			TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
						SampleDate:	10/30/08	04/10/09	03/23/10	05/21/12	10/30/08	04/10/09	03/23/10	05/22/12
2-(2-Methyl-4-chlorophenoxy)propionic acid (MCPP)			NE	NE	UG/L		47 U	49 U	50 U	48 UJ	70 J	48 U	47 U	48 R
2,4-DB			NE	5	UG/L		0.28 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.6 J	0.29 U
4,4'-DDD			NE	0.3	UG/L		0.11	0.015 J	0.022 J	0.041	0.0096 J	0.15	0.093 J	0.24
4,4'-DDE			NE	0.2	UG/L		0.032	0.0039 U	0.0073 J	0.013 J	0.0039 U	0.077	0.049 J	0.16
4,4'-DDT			NE	0.2	UG/L		0.075	0.0058 U	0.015 J	0.052	0.0058 U	0.046	0.022 J	*0.2

TABLE 10
Groundwater Analytical Results
Remedial Investigation
Bartlett Tree Company Site
Westbury, New York

Analyte Group: 4-Pesticides/Herbicides				Class GA Groundwater Criteria								
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	Location:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
				SampleName:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
				SampleDate:	10/30/08	04/10/09	03/23/10	05/21/12	10/30/08	04/10/09	03/23/10	05/22/12
alpha Endosulfan (Endosulfan I)	NE	5	UG/L		0.0051 J	0.0029 U	0.0029 U	0.0041 U	0.0029 U	0.0028 U	0.003 U	0.0041 U
beta Endosulfan (Endosulfan II)	NE	5	UG/L		0.0039 U	0.0039 U	0.0039 U	0.014 U	0.0039 U	0.0038 U	0.0039 U	0.014 U
BHC, alpha	NE	0.01	UG/L		0.0026 U	0.0026 U	0.0027 U	0.0029 U	0.0026 U	0.0025 U	0.0027 U	0.0028 U
BHC, beta	NE	0.04	UG/L		0.0037 U	0.0037 U	0.0037 U	0.0032 U	0.0037 U	0.0036 U	0.0037 U	0.0032 U
BHC, delta	NE	0.04	UG/L		0.0029 U	0.0029 U	0.0029 U	0.0032 U	0.0029 U	0.0028 U	0.003 U	0.0032 U
BHC, gamma (Lindane)	NE	0.05	UG/L		0.0044 U	0.0045 U	0.0045 U	0.0019 U	0.0044 U	0.0043 U	0.0045 U	0.0019 U
Chlordane, alpha	NE	0.05	UG/L		0.0052 J	0.0046 U	0.0095 J	0.002 U	0.0045 U	0.0044 U	0.0046 U	0.0057 J
Chlordane, gamma	NE	0.05	UG/L		NA	NA	0.0041 U	0.0059 J	NA	NA	0.0041 U	0.021
Chlordane, gamma	NE	NE	UG/L		0.0029 U	0.0029 U	NA	NA	0.0029 U	0.0028 U	NA	NA
Dalapon	50	50	UG/L		0.31 U	0.25 U	0.25 U	0.24 U	1.1 J	0.24 U	0.24 U	0.24 U
Dieldrin	NE	0.004	UG/L		*0.014 J	0.0039 U	0.0039 U	*0.035 J	0.0039 U	*0.013 J	*0.017 J	0.02 U
Endosulfan sulfate	NE	5	UG/L		0.0039 U	0.0039 U	0.0055 U	0.0055 U	0.0039 U	0.0038 U	0.0055 U	0.0055 U
Endrin	NE	0	UG/L		0.0039 U	0.0039 U	0.0039 U	0.0077 U	0.0039 U	0.0038 U	0.0039 U	0.0077 U
Endrin ketone	NE	5	UG/L		0.0039 U	0.0039 U	0.017 U	0.0048 U	0.0039 U	0.0038 U	0.017 U	0.0047 U
Heptachlor epoxide	NE	0.03	UG/L		0.0036 U	0.0036 U	0.0036 U	0.006 J	0.0036 U	0.0035 U	0.0036 U	0.0049 J
Trichlorophenoxyacetic acid (2,4,5-T)	NE	35	UG/L		0.014 U	0.015 U	0.015 U	0.014 U	0.016 J	0.014 U	0.014 U	0.014 U
Analyte Group: 5-Metals				Class GA Groundwater Criteria								
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	Location:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
				SampleName:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
				SampleDate:	10/30/08	04/10/09	03/23/10	05/21/12	10/30/08	04/10/09	03/23/10	05/22/12
Aluminum	NE	NE	UG/L		205	80.2 U	NA	NA	7800	6010	NA	NA
Arsenic	NE	25	UG/L		10 U	10 U	NA	NA	12.8 J	10 U	NA	NA
Barium	NE	1000	UG/L		56	207	NA	NA	227	236	NA	NA
Calcium	NE	NE	UG/L		12100	13700	NA	NA	25200	36000	NA	NA
Chromium	NE	50	UG/L		3 U	3 U	NA	NA	22.2	16.8	NA	NA
Cobalt	NE	5	UG/L		2.1 U	2.1 U	NA	NA	*9.1	2.2 J	NA	NA
Copper	NE	200	UG/L		2.7 U	2.7 U	NA	NA	5.1 J	16.4	NA	NA
Iron	NE	300	UG/L		*783	*341	NA	NA	*14500	*7320	NA	NA
Lead	NE	25	UG/L		6.9 U	6.9 U	NA	NA	8.1 J	9.6 J	NA	NA
Magnesium	35000	NE	UG/L		2420	2220 J	NA	NA	8590	6690	NA	NA
Manganese	NE	300	UG/L		*472	231	NA	NA	*855	*496	NA	NA
Nickel	NE	100	UG/L		5.6 U	5.6 U	NA	NA	6.4 J	5.6 U	NA	NA

TABLE 10
Groundwater Analytical Results
Remedial Investigation
Bartlett Tree Company Site
Westbury, New York

Analyte Group:		Class GA Groundwater Criteria			Location:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
5-Metals		TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-2S	MW-2S	MW-2S	MW-2S	MW-2D	MW-2D	MW-2D	MW-2D
Analyte Name					SampleDate:	10/30/08	04/10/09	03/23/10	05/21/12	10/30/08	04/10/09	03/23/10	05/22/12
Potassium		NE	NE	UG/L		11600	3170	NA	NA	9730	32500	NA	NA
Sodium		NE	20000	UG/L		13900	*25500	NA	NA	*89400	*63400	NA	NA
Vanadium		NE	14	UG/L		2.5 U	2.5 U	NA	NA	7.9	8.2	NA	NA
Zinc		2000	NE	UG/L		59	12.4 J	NA	NA	14.1 J	268	NA	NA

Notes:
U – The analyte was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.
J – Estimated concentration. The result is below the quantitation limit but above the method detection limit.
UJ – The analyte was not detected above the reported sample quantitation limit. However, based on data validation, the reported method detection limit is approximate and may or may not represent the actual limit of the quantitation necessary to accurately and precisely measure the analyte in the sample.
NE – Standard and/or guidance value not established.
NA – Not analyzed.
ND – Not detected.
* (Red) concentrations are above New York State Class GA Groundwater Standards or Guidance values.

- (1) – Notes applicable to NYS Part 703 Standards:
- (a) – Any detected concentration for Benzo(a)pyrene is considered above the Part 703 Standard.
 - (b) – The standard for the sum of phenolic compounds is 1 ug/L.

TABLE 10
Groundwater Analytical Results
Remedial Investigation
Bartlett Tree Company Site
Westbury, New York

Water Results:

Analyte Group: 1-BTEX/Volatiles			Class GA Groundwater Criteria			Location:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-5	MW-5	MW-5
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-3	DUP-102708	MW-3	MW-3	MW-3	MW-3	MW-4	DUP032210	MW-4	MW-5	MW-5	DUP052112	
				SampleDate:	10/27/08	10/27/08	04/09/09	03/22/10	05/21/12	03/22/10	03/22/10	05/22/12	03/22/10	05/21/12	05/21/12		
Toluene	NE	5	UG/L		0.7 U	0.7 U	0.7 U	0.7 U	1 J	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	
Analyte Group: 1-Volatiles			Class GA Groundwater Criteria			Location:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-5	MW-5	MW-5
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-3	DUP-102708	MW-3	MW-3	MW-3	MW-3	MW-4	DUP032210	MW-4	MW-5	MW-5	DUP052112	
				SampleDate:	10/27/08	10/27/08	04/09/09	03/22/10	05/21/12	03/22/10	03/22/10	05/22/12	03/22/10	05/21/12	05/21/12		
1,1-Dichloroethane	NE	5	UG/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1-Dichloroethene	NE	5	UG/L		0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	
Bromodichloromethane	50	NE	UG/L		1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U	1 U	1 U	
Carbon disulfide	NE	60	UG/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloroform	NE	7	UG/L		0.8 U	0.8 U	3 J	4 J	0.8 U	4 J	4 J	5	3 J	0.8 U	0.8 U	0.8 U	
cis-1,2-Dichloroethene	NE	5	UG/L		0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	
Dibromochloromethane	50	NE	UG/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Tetrachloroethene (PCE)	NE	5	UG/L		0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1 J	1 J	4 J	2 J	3 J	3 J	3 J	
Trichloroethene (TCE)	NE	5	UG/L		1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 J	1 J	
Analyte Group: 2-SVOCs			Class GA Groundwater Criteria			Location:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-5	MW-5	MW-5
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-3	DUP-102708	MW-3	MW-3	MW-3	MW-3	MW-4	DUP032210	MW-4	MW-5	MW-5	DUP052112	
				SampleDate:	10/27/08	10/27/08	04/09/09	03/22/10	05/21/12	03/22/10	03/22/10	05/22/12	03/22/10	05/21/12	05/21/12		
bis(2-Ethylhexyl)phthalate	NE	5	UG/L		2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Analyte Group: 4-Pesticides/Herbicides			Class GA Groundwater Criteria			Location:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-5	MW-5	MW-5
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	SampleName:	MW-3	DUP-102708	MW-3	MW-3	MW-3	MW-3	MW-4	DUP032210	MW-4	MW-5	MW-5	DUP052112	
				SampleDate:	10/27/08	10/27/08	04/09/09	03/22/10	05/21/12	03/22/10	03/22/10	05/22/12	03/22/10	05/21/12	05/21/12		
2-(2-Methyl-4-chlorophenoxy)propionic acid (MCPP)	NE	NE	UG/L		48 U	48 U	50 U	47 U	48 UJ	240 U	250 U	48 UJ	51 U	48 UJ	48 UJ	48 UJ	
2,4-DB	NE	5	UG/L		0.29 U	0.29 U	0.3 U	0.28 U	0.29 U	1.4 U	1.5 U	0.29 U	0.31 U	0.29 U	0.29 U	0.29 U	
4,4'-DDD	NE	0.3	UG/L		0.0039 U	0.0038 U	0.0038 U	0.011 U	0.0047 U	0.28 J	0.25 J	0.014 J	0.14 J	0.0048 U	0.0048 U	0.0048 U	
4,4'-DDE	NE	0.2	UG/L		0.0039 U	0.0038 U	0.0038 U	0.0047 U	0.0047 U	0.018 J	0.016 J	0.0048 U	0.024 U	0.0048 U	0.0048 U	0.0053 J	
4,4'-DDT	NE	0.2	UG/L		0.0059 U	0.0057 U	0.0058 U	0.011 U	0.021	*0.39 J	0.13 J	0.04	0.095 J	0.011 J	0.014 J	0.014 J	

TABLE 10
Groundwater Analytical Results
Remedial Investigation
Bartlett Tree Company Site
Westbury, New York

Analyte Group: 4-Pesticides/Herbicides				Class GA Groundwater Criteria											
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	Location:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-5	MW-5	MW-5
				SampleName:	MW-3	DUP-102708	MW-3	MW-3	MW-3	MW-4	DUP032210	MW-4	MW-5	MW-5	DUP052112
				SampleDate:	10/27/08	10/27/08	04/09/09	03/22/10	05/21/12	03/22/10	03/22/10	05/22/12	03/22/10	05/21/12	05/21/12
alpha Endosulfan (Endosulfan I)	NE	5	UG/L		0.009 J	0.011	0.0029 U	0.0028 U	0.0041 U	0.019	0.019	0.0041 U	0.015 U	0.018 J	0.018 J
beta Endosulfan (Endosulfan II)	NE	5	UG/L		0.0039 U	0.0038 U	0.0038 U	0.0038 U	0.014 U	0.004 U	0.013 J	0.014 U	0.019 U	0.014 U	0.014 U
BHC, alpha	NE	0.01	UG/L		0.0026 U	0.0026 U	0.0026 U	0.0025 U	0.0028 U	0.0027 UJ	*0.013 J	*0.12	0.013 U	0.0065 J	0.0067 J
BHC, beta	NE	0.04	UG/L		0.0037 U	0.0036 U	0.0037 U	0.0036 U	0.0032 U	0.0079 J	0.0081 J	0.0032 U	0.018 U	0.0033 U	0.0033 U
BHC, delta	NE	0.04	UG/L		0.0032 J	0.0054 J	0.0029 U	0.0028 U	0.0032 U	0.003 U	0.003 U	0.0032 U	0.015 U	0.0033 U	0.0033 U
BHC, gamma (Lindane)	NE	0.05	UG/L		0.0045 U	0.0044 U	0.0044 U	0.0043 U	0.0019 U	*0.071	*0.066	0.011	0.022 U	0.0023 J	0.0027 J
Chlordane, alpha	NE	0.05	UG/L		0.015	0.018	0.021	0.01	0.007 J	0.01 J	0.011	0.0066 J	0.023 U	0.0028 J	0.0019 U
Chlordane, gamma	NE	0.05	UG/L		NA	NA	NA	0.013 U	0.0041 U	0.035	0.036	0.0041 U	0.02 U	0.01 J	0.0041 U
Chlordane, gamma	NE	NE	UG/L		0.0084 U	0.0098 U	0.006 U	NA	NA	NA	NA	NA	NA	NA	NA
Dalapon	50	50	UG/L		0.31 U	0.32 U	0.25 U	0.24 U	0.24 U	1.2 U	1.3 U	0.24 U	0.26 U	0.24 U	0.24 U
Dieldrin	NE	0.004	UG/L		0.0039 U	*0.0043 J	0.0038 U	0.0038 U	*0.079	*3.3	*3.2	*0.74 J	*0.15	*0.086 J	*0.089 J
Endosulfan sulfate	NE	5	UG/L		0.0039 U	0.0038 U	0.0038 U	0.0053 U	0.0055 U	0.035	0.035	0.0055 U	0.027 U	0.0056 U	0.0056 U
Endrin	NE	0	UG/L		0.0039 U	0.0038 U	0.0038 U	0.0038 U	0.0077 U	*0.11	*0.12	0.0077 U	0.019 U	0.0078 U	0.0078 U
Endrin ketone	NE	5	UG/L		0.0039 U	0.0038 U	0.0038 U	0.016 U	0.0047 U	0.12	0.13	0.0065 J	0.083 U	0.0048 U	0.0048 U
Heptachlor epoxide	NE	0.03	UG/L		0.013	0.016	0.0036 U	0.0035 U	0.014	0.0037 U	0.0037 U	0.004 U	0.018 U	0.011	0.011 J
Trichlorophenoxyacetic acid (2,4,5-T)	NE	35	UG/L		0.014 U	0.015 U	0.015 U	0.014 U	0.014 U	0.65	0.44	0.15 J	0.015 U	0.19 J	0.19 J
Analyte Group: 5-Metals				Class GA Groundwater Criteria											
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	Location:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-5	MW-5	MW-5
				SampleName:	MW-3	DUP-102708	MW-3	MW-3	MW-3	MW-4	DUP032210	MW-4	MW-5	MW-5	DUP052112
				SampleDate:	10/27/08	10/27/08	04/09/09	03/22/10	05/21/12	03/22/10	03/22/10	05/22/12	03/22/10	05/21/12	05/21/12
Aluminum	NE	NE	UG/L		80.2 U	80.2 U	80.2 U	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NE	25	UG/L		10 U	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NE	1000	UG/L		117	121	110	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NE	NE	UG/L		10800	11100	7830	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NE	50	UG/L		3 U	3 U	3 U	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	5	UG/L		2.1 U	2.1 U	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NE	200	UG/L		2.7 U	2.7 U	2.7 U	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NE	300	UG/L		*303	284	109 J	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NE	25	UG/L		6.9 U	6.9 U	6.9 U	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	35000	NE	UG/L		2050	2120	1300 J	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NE	300	UG/L		65.9	64.7	4.1 J	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NE	100	UG/L		5.6 U	5.6 U	5.6 U	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 10
Groundwater Analytical Results
Remedial Investigation
Bartlett Tree Company Site
Westbury, New York

Analyte Group:		Class GA Groundwater Criteria		Location:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-5	MW-5	MW-5
5-Metals		TOGS 1.1.1 Guidance	NYS Part 703(1) Standard		SampleName:	MW-3	DUP-102708	MW-3	MW-3	MW-3	MW-4	DUP032210	MW-4	MW-5	MW-5
Analyte Name				Units	SampleDate:	10/27/08	10/27/08	04/09/09	03/22/10	05/21/12	03/22/10	03/22/10	05/22/12	03/22/10	05/21/12
Potassium		NE	NE	UG/L		2780	2810	2310	NA	NA	NA	NA	NA	NA	NA
Sodium		NE	20000	UG/L		15100	15300	18100	NA	NA	NA	NA	NA	NA	NA
Vanadium		NE	14	UG/L		2.5 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA
Zinc		2000	NE	UG/L		8.1 U	8.1 U	8.1 U	NA	NA	NA	NA	NA	NA	NA

Notes:
U – The analyte was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.
J – Estimated concentration. The result is below the quantitation limit but above the method detection limit.
UJ – The analyte was not detected above the reported sample quantitation limit. However, based on data validation, the reported method detection limit is approximate and may or may not represent the actual limit of the quantitation necessary to accurately and precisely measure the analyte in the sample.
NE – Standard and/or guidance value not established.
NA – Not analyzed.
ND – Not detected.
* (Red) concentrations are above New York State Class GA Groundwater Standards or Guidance values.

(1) – Notes applicable to NYS Part 703 Standards:
(a) – Any detected concentration for Benzo(a)pyrene is considered above the Part 703 Standard.
(b) – The standard for the sum of phenolic compounds is 1 ug/L.

Appendix E: Indoor Air Quality Questionnaire and Building Inventory



**NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH**

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Brian Taylor/Antonio Velazquez Date/Time Prepared 12/11/2024

Preparer's Affiliation Brown and Caldwell (Owner's Consultant) Phone No. 518-560-5907

Purpose of Investigation Annual Soil Vapor Sampling as Required by Site Management Plan

1. OCCUPANT:

Interviewed: ☒ Y / ☐ N

Last Name: Lewis First Name: Whitney

Address: 345 Union Avenue, Westbury, NY

County: Nassau

Home Phone: _____ Office Phone: 516-334-0648

Number of Occupants/persons at this location Up to 20 Workers Age of Occupants 18-65

2. OWNER OR LANDLORD: (Check if same as occupant ☒)

Interviewed: ☒ Y / ☐ N

Bartlett Tree Experts Company

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial Multi-use
Other: _____

~~If the property is residential, type? (Circle appropriate response)~~

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: _____

~~If multiple units, how many? _____~~

If the property is commercial, type?

Business Type(s) Arborists

Does it include residences (i.e., multi-use)? Y / ☒ N If yes, how many? _____

Other characteristics:

Number of floors 2

Building age 1950's

Is the building insulated? ☒ Y / N

How air tight? Tight / ☒ Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

N/A

Airflow near source

N/A

Outdoor air infiltration

N/A

Infiltration into air ducts

N/A

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: full crawlspace slab other partially below grade. Note, basement is only
- c. Basement floor: concrete dirt stone other _____
- d. Basement floor: uncovered covered covered with _____
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: poured block stone other _____
- g. Foundation walls: unsealed sealed sealed with _____
- h. The basement is: wet damp dry moldy
- i. The basement is: finished unfinished partially finished
- j. Sump present? Y / N
- k. Water in sump? Y / N / not applicable

Basement/Lowest level depth below grade: 4-5 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

There are no visible cracks. Bathroom w/ toilet and sink, utility sink are not expected to be entry points due to water-filled traps.

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

<u>Hot air circulation</u>	Heat pump	Hot water baseboard	
<u>Space Heaters</u>	Stream radiation	Radiant floor	
<u>Electric baseboard</u>	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

<u>Natural Gas</u>	Fuel Oil	Kerosene
<u>Electric</u>	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Electric

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / ☒ N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

N/A

7. OCCUPANCY

Is basement/lowest level occupied? Full-time ☒ Occasionally ☐ Seldom ☐ Almost Never

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement	<u>Locker Room, Storage, Morning Briefing Location</u>
1 st Floor	<u>Office Space</u>
2 nd Floor	<u></u>
3 rd Floor	<u></u>
4 th Floor	<u></u>

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

- a. Is there an attached garage? ☒ Y ☐ N Half of Basement is Garage w/ Door
- b. Does the garage have a separate heating unit? ☒ Y ☐ N / NA Space Heater
- c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) ☒ Y ☐ N / NA
Please specify See Inventory
- d. Has the building ever had a fire? Y / N When? Unknown
- e. Is a kerosene or unvented gas space heater present? Y ☒ N Where?
- f. Is there a workshop or hobby/craft area? ☒ Y ☐ N Where & Type?
- g. Is there smoking in the building? Y ☒ N How frequently?
- h. Have cleaning products been used recently? ☒ Y ☐ N When & Type? See Inventory
- i. Have cosmetic products been used recently? Y ☒ N When & Type?

- j. Has painting/staining been done in the last 6 months? Y / ☒ N Where & When? _____
- k. Is there new carpet, drapes or other textiles? Y / ☒ N Where & When? _____
- l. Have air fresheners been used recently? Y / ☒ N When & Type? _____
- m. Is there a kitchen exhaust fan? Y / ☒ N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? ☒ Y / ☒ N If yes, where vented? Outside
- o. Is there a clothes dryer? Y / ☒ N If yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y / ☒ N When & Type? Pesticide Storage Outside

Are there odors in the building?

Y / ☒ N

If yes, please describe: _____

Do any of the building occupants use solvents at work?

☒ Y / ☒ N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? Pesticide Storage Outside. Interior Storage of Gasoline Powered Equipment

If yes, are their clothes washed at work?

Y / ☒ N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Uniforms and Rugs are laundered off-Site.

Yes, use dry-cleaning regularly (weekly)

Yes, use dry-cleaning infrequently (monthly or less)

Yes, work at a dry-cleaning service

☒ No

☐ Unknown

Is there a radon mitigation system for the building/structure? Y / ☒ N Date of Installation: _____

Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: ☒ Public Water ☐ Drilled Well ☐ Driven Well ☐ Dug Well Other: _____

Sewage Disposal: ☒ Public Sewer ☐ Septic Tank ☐ Leach Field ☐ Dry Well Other: _____

~~10. RELOCATION INFORMATION (for oil spill residential emergency)~~

~~a. Provide reasons why relocation is recommended: _____~~

~~b. Residents choose to: remain in home ☐ relocate to friends/family ☐ relocate to hotel/motel ☐~~

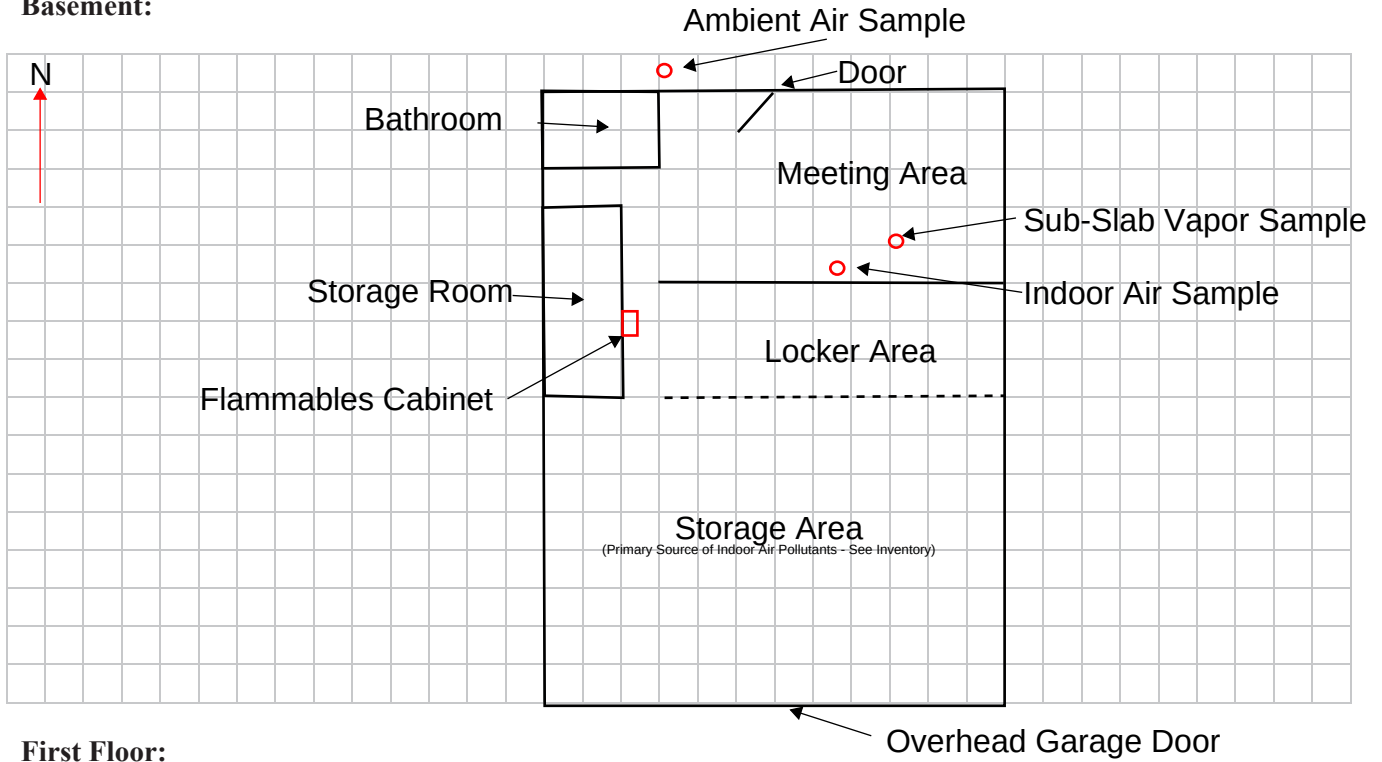
~~c. Responsibility for costs associated with reimbursement explained? Y / N~~

~~d. Relocation package provided and explained to residents? Y / N~~

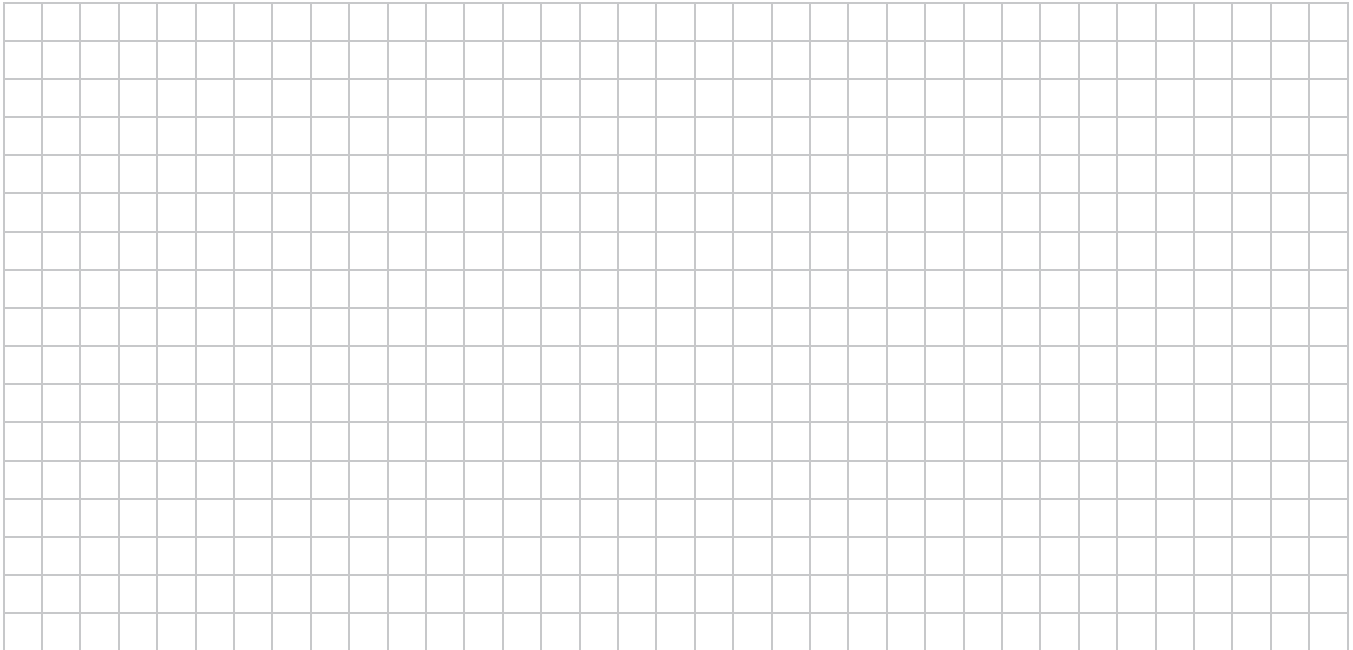
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



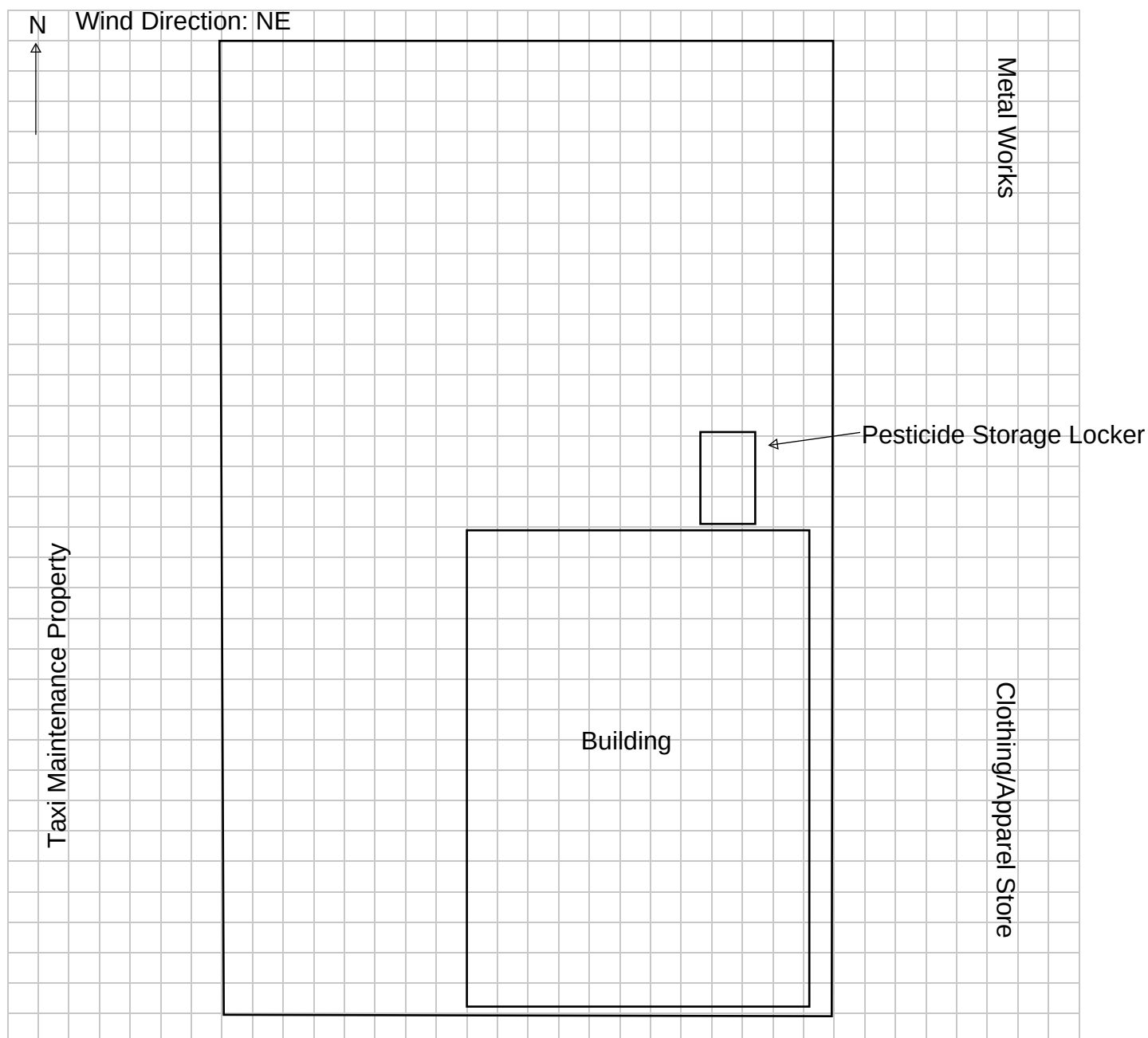
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Mini Rae 3000

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y/N
Basement	Flammable Cabinet	5x3.4 ft	Used	Diesel 92 Octane Oil Power Steering Fluid Antifreeze/Coolant Engine Oil	0.0 ppm (outside)	Y
Basement	Paint/Coatings		UO/U	Xylene + PAHs	1.2 ppm	Y
Basement	Gas Powered Equipment	Varies	U	Gas/Diesel	0.8 ppm	Y
Basement	Bar & Chain Oil	6x 1 quart	UO/U		0.1 ppm	Y
Basement	Back Shelving	Varies	UO/U	Antifreeze Ethylene Glycol Pink Antifreeze	0.2 ppm	Y
Basement	Back Shelving Fluids	Varies	UO/U	Polypropylene Glycol	0.0 ppm	Y
Basement	Petroleum Oil Bucks	15 gall	UO/U		0.0 ppm	Y
Basement	Plant Fertilizer	2 pallets worth	UO/U	Nitrogen Iron Sulfur Magnesium + Zinc	0.0 ppm	Y
Basement	Propane Grill Tank	Grill	U	Propane Tank	0.0 ppm	Y
Basement	Diesel Fuel Conditioner	20 gallons	U		2.9 ppm	Y
Basement	Hand Soap/Sanitizers	Varies	U	Soap/Sanitizers	0.0 ppm	Y
Basement	Insecticide	Varies	UO/U	Wasp/Hornet Insecticide Petroleum Distillate	0.0 ppm	Y

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

**Photos were collected to assist with determination of chemical ingredients after returning from the field.

Appendix F: Field Data Sheets – Soil Vapor Intrusion Monitoring



Soil Vapor Sample Collection Field Form

Project: Bartlett Tree Project #: 195350
Date: 12/12/24 Personnel: AFV

Sample ID: IA-1-20241212

Carbon Filter ID #: N/A

Sample location: Basement Indoor Air Depth of sample point below grade: N/A

Rainfall: 0.0 Wind speed (mph) and direction: N/A

Start:

Time: 0645

Temperature (°C): 10°C

Barometric Pressure (mmHg): 30.02

Relative Humidity (%): 72%

Flow rate: 10.8 mL/min

End:

Time: 1340

Temperature (°C): 10°C

Barometric Pressure (mmHg): 30.02

Relative Humidity (%): 72%

Flow rate: 10.8 mL/min

Helium tracer test:

Tubing type used: N/A Length of tubing (cm): N/A Tubing volume (cc): N/A

1 to 3 volumes purged @ < 200cc/min? YES NO

Chamber tracer gas conc.: N/A Tracer gas conc. during purging: N/A

Exterior

Sampling

Weather conditions during probe installation:

Temperature (°C): 0° Rainfall: 0.0 Barometric Pressure (mmHg): 30.02

Wind direction: NE Wind speed (mph): 13

Comments:

Soil Vapor Sample Collection Field Form

Project: Bartlett Trer Project #: 195350
Date: 12/12/24 Personnel: AFV

Sample ID: AA-1-20241212

Carbon Filter ID #: N/A

Sample location: Exterior (under stairs) Depth of sample point below grade: N/A

Rainfall: 0.0 Wind speed (mph) and direction: 13 mph NE

Start:

Time: 0647

Exterior Temperature (°C): 0°C

Barometric Pressure (mmHg): 30.02

Relative Humidity (%): 72%

Flow rate: 10.7 mL/min

End:

Time: 1343

Temperature (°C): 5.55°C

Barometric Pressure (mmHg): 30.02

Relative Humidity (%): 72%

Flow rate: 10.7 mL/min

Helium tracer test:

Tubing type used: N/A Length of tubing (cm): N/A Tubing volume (cc): N/A

1 to 3 volumes purged @ < 200cc/min? YES NO

Chamber tracer gas conc.: N/A Tracer gas conc. during purging: N/A

Weather conditions during ^{Sampling} probe installation:

Temperature (°C): 0° Rainfall: 0.0 Barometric Pressure (mmHg): 30.02

Wind direction: NE Wind speed (mph): 13 mph

Comments:

Soil Vapor Sample Collection Field Form

Project: Bartlett Tree Project #: 195350
Date: 12/11/24 12/12/24 Personnel: AFV/BFT
Sample ID: SU-1-20241212
Carbon Filter ID #: N/A
Sample location: Basement Sub-Slab Depth of sample point below grade: 13"
Rainfall: Drizzle 0 in (outside) Wind speed (mph) and direction: 16 mph North
13 mph
Start: Time: 0650 End: Time: 1345
Temperature (°C): 44° 50° 10° Temperature (°C): 10°
Barometric Pressure (mmHg): 29.73 30.02 mm Barometric Pressure (mmHg): 30.02
Relative Humidity (%): 94% 72% Relative Humidity (%): 72%
Flow rate: 10.8 mL/min Flow rate: 10.8 mL/min

Helium tracer test:

Tubing type used: Polyethylene Length of tubing (cm): 94 Tubing volume (cc): 175
1 to 3 volumes purged @ < 200cc/min? YES NO
Chamber tracer gas conc.: 50% Tracer gas conc. during purging: Less than 1%

(Exterior)

Weather conditions during probe installation:

Temperature (°C): 14° Rainfall: Drizzle Barometric Pressure (mmHg): 29.73
Wind direction: North Wind speed (mph): 16 mph
PID Downhole = 1.4 ppm

Comments: ~1030 - Helium Leak Test 50% in, less than 1% out

Appendix G: Photographic Log





Photograph #1 – Bartlett Tree Experts office/garage building, viewed looking north from Union Avenue.



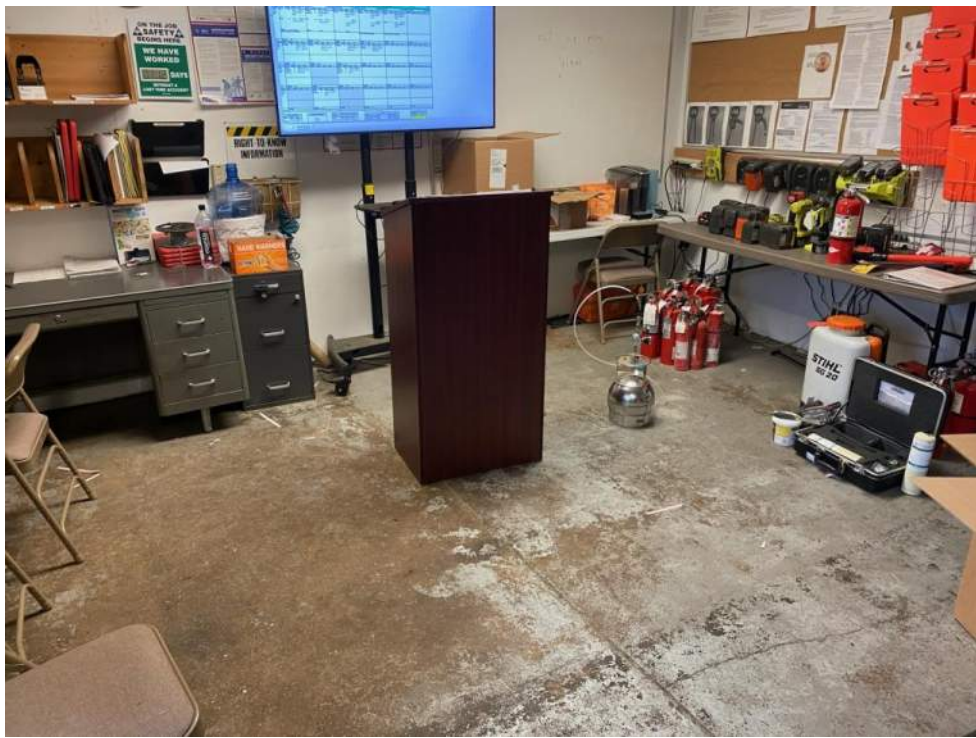
Photograph #2 – View looking north from Union Avenue along west side of the office/garage building.



Photograph #3 – View looking north showing transition from pavement to aggregate.



Photograph #4 – View looking southeast, north of the office/garage building. Newer secure storage locker for pesticides located at north end of the building.



Photograph #5 – Ground floor interior of the office/garage building. View notes foundation and use of ground floor interior space.



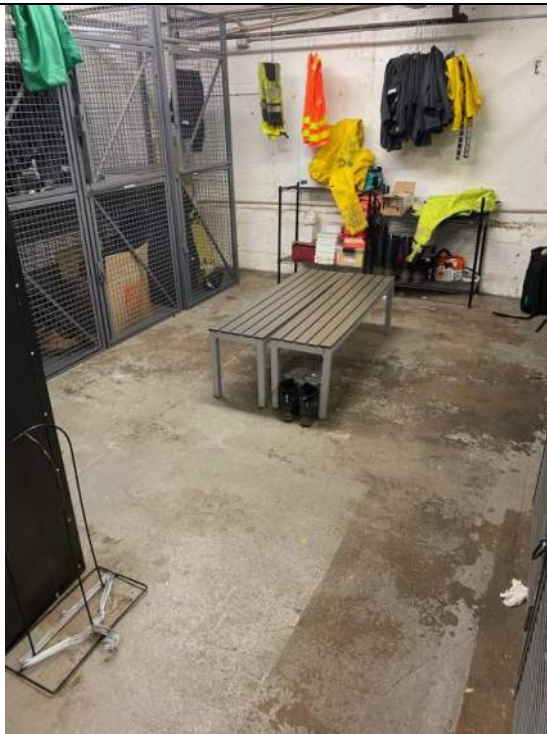
Photograph #6 – Ground floor interior of the office/garage building. View notes foundation and use of ground floor interior space.



Photograph #7 – Ground floor interior of office/garage building. Room used for tools and storage of gasoline-powered tree maintenance equipment.



Photograph #8 – Ground floor interior of office/garage building. Flammable storage locker for lubricants, 2-cycle gasoline mix, diesel fuel.



Photograph #9 – Ground floor interior of the office/garage building. View notes foundation and use of ground floor interior space.



Photograph #10 – Ground floor interior of office/garage building. Containers of liquid and solid plant fertilizer.



Photograph #11 – View of yard and parking area, looking north from office/garage building.



Photograph #12 – View of yard looking east along east property line. Protective metal manhole covering well vault for monitoring well MW-3.



Photograph #13 – Protective metal manhole covering well vault MW-4.



Photograph #14 – Protective metal manhole covering well vault MW-2D (under truck tire).



Photograph #15 – Shipping container for work tools (blue container) located at northeast end of the property – no pesticides stored in shipping container.



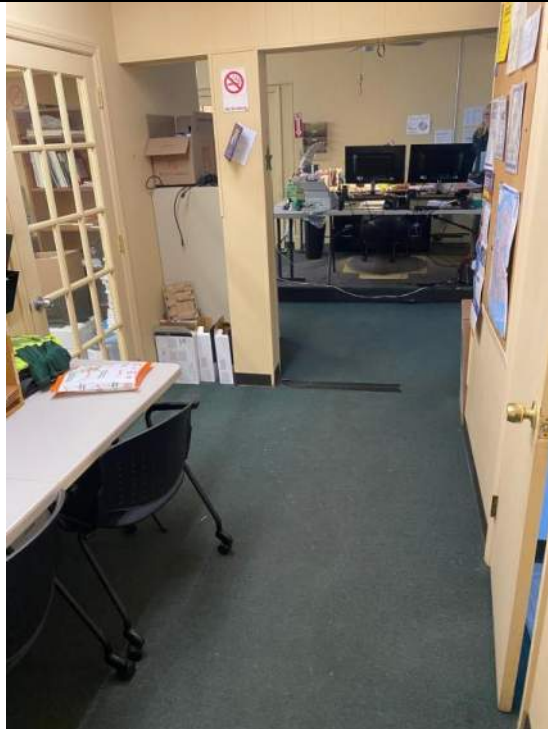
Photograph #16 – Area of remaining subsurface soil contamination in vicinity of boring SB-7. Original ground surface covered by aggregate. During the 2008 RI, 4'-4"-DDT was detected at this location above the Residential SCO but below the Commercial SCO in the sample interval from 0-2 ft. bgs (Section 3 of PRR).



Photograph #17 – Area of remaining subsurface soil contamination in vicinity of boring SB-6. Original ground surface covered by aggregate. During the 2008 RI, mercury was detected at this location above the Residential SCO but below the Commercial SCO in the sample interval from 0-2 ft. bgs (Section 3 of PRR).



Photograph #18 – Area of remaining subsurface soil contamination, vicinity of former test pit TP-2. Area is covered by asphalt paving. During the 2008 RI, mercury was detected at this location above the Commercial SCO in the sample interval from 1-2 ft. bgs (Section 3 of PRR).



Photograph #19 - Interior of upstairs office/garage building. Entry/reception area.



Photograph #20 -Interior of upstairs office/garage building. Office area.

Appendix H: Pavement Inspection



On April 18, 2024, I inspected the existing paved and gravel surfaces for TP-2, SB-6 and SB-7 at 345 Union Ave, Westbury, New York. There were no indications of any breaches of integrity. Photos have been attached. Photos are representative of the conditions observed on the dates the inspections were conducted.



Photograph #1 – Area of remaining subsurface soil contamination in vicinity of boring SB-7. Original ground surface covered by aggregate.



Photograph #2 – Area of remaining subsurface soil contamination in vicinity of boring SB-6. Original ground surface covered by aggregate.



Photograph #3 – Area of remaining subsurface soil contamination, vicinity of former test pit TP-2, under wheeled trash receptacle. Area is covered by asphalt paving.

Submitted by;
Whitney E. Lewis.
Bartlett Tree Experts



Photograph #1 - View looking north showing areas of SB-6 and SB-7 (remaining contamination)
Original ground surface covered by aggregate



Photograph #2 - View looking south showing no disturbance to parking area or remaining
contamination at TP-2 (adjacent to building).

Submitted by;

Max Maroney
Brown and Caldwell

Appendix I: Analytical Data Packages





ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Brian F Taylor
Brown and Caldwell
3 Marcus Blvd
Suite 106
Albany, New York 12205

Generated 10/25/2024 9:04:21 AM

JOB DESCRIPTION

Bartlett Tree Site, NY

JOB NUMBER

410-193116-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
10/25/2024 9:04:21 AM

Authorized for release by
Barbara Weyandt, Project Manager
Barbara.Weyandt@et.eurofinsus.com
(717)556-7264

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Barb Weyandt

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Definitions/Glossary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

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

Case Narrative

Client: Brown and Caldwell
Project: Bartlett Tree Site, NY

Job ID: 410-193116-1

Job ID: 410-193116-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-193116-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/18/2024 7:09 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.1°C and 0.6°C.

Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-4-UF-20241017 (410-193116-5). The container labels list 09:33, while the COC lists 10:33. Entered per COC.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-4-F-20241017 (410-193116-6). The container labels list 09:38, while the COC lists 10:38. Entered per COC.

Pesticides

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

Detection Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-3-UF-20241017

Lab Sample ID: 410-193116-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane (1C)	0.013	J	0.020	0.0030	ug/L	1		8081B	Total/NA
Heptachlor epoxide (1C)	0.0063	J	0.020	0.0023	ug/L	1		8081B	Total/NA

Client Sample ID: MW-3-F-20241017

Lab Sample ID: 410-193116-2

No Detections.

Client Sample ID: MW-5-UF-20241017

Lab Sample ID: 410-193116-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (2C)	0.013	J	0.031	0.0055	ug/L	1		8081B	Total/NA
p,p'-DDT (2C)	0.0062	J	0.031	0.0054	ug/L	1		8081B	Total/NA

Client Sample ID: MW-5-F-20241017

Lab Sample ID: 410-193116-4

No Detections.

Client Sample ID: MW-4-UF-20241017

Lab Sample ID: 410-193116-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (2C)	1.5		0.30	0.053	ug/L	10		8081B	Total/NA

Client Sample ID: MW-4-F-20241017

Lab Sample ID: 410-193116-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (1C)	0.035		0.031	0.0054	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane) (2C)	0.0023	J p	0.020	0.0020	ug/L	1		8081B	Total/NA

Client Sample ID: MW-2D-UF-20241017

Lab Sample ID: 410-193116-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane (2C)	0.0043	J p	0.021	0.0031	ug/L	1		8081B	Total/NA
Dieldrin (1C)	0.022	J p	0.031	0.0055	ug/L	1		8081B	Total/NA
p,p'-DDD (2C)	0.37		0.031	0.0052	ug/L	1		8081B	Total/NA
p,p'-DDE (1C)	0.14		0.031	0.0052	ug/L	1		8081B	Total/NA
p,p'-DDT (1C)	0.025	J p	0.031	0.0054	ug/L	1		8081B	Total/NA

Client Sample ID: MW-2D-F-20241017

Lab Sample ID: 410-193116-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p,p'-DDD (1C)	0.011	J	0.030	0.0050	ug/L	1		8081B	Total/NA

Client Sample ID: DUP-UF-20241017

Lab Sample ID: 410-193116-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (1C)	0.022	J p	0.030	0.0054	ug/L	1		8081B	Total/NA
p,p'-DDD (2C)	0.38		0.030	0.0051	ug/L	1		8081B	Total/NA
p,p'-DDE (1C)	0.14		0.030	0.0051	ug/L	1		8081B	Total/NA
p,p'-DDT (1C)	0.073	p	0.030	0.0053	ug/L	1		8081B	Total/NA

Client Sample ID: DUP-F-20241017

Lab Sample ID: 410-193116-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p,p'-DDD (1C)	0.0088	J	0.030	0.0050	ug/L	1		8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: EB-UF-20241017 Lab Sample ID: 410-193116-11

No Detections.

Client Sample ID: EB-F-20241017 Lab Sample ID: 410-193116-12

No Detections.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-3-UF-20241017

Lab Sample ID: 410-193116-1

Date Collected: 10/17/24 08:59

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 04:39	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 04:39	1
alpha-Chlordane (1C)	0.013	J	0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 04:39	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 04:39	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 04:39	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 04:39	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 04:39	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 04:39	1
Endosulfan sulfate (1C)	ND		0.030	0.0059	ug/L		10/23/24 07:54	10/24/24 04:39	1
Endrin (1C)	ND		0.030	0.0082	ug/L		10/23/24 07:54	10/24/24 04:39	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 04:39	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 04:39	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 04:39	1
gamma-Chlordane (1C)	ND		0.040	0.0071	ug/L		10/23/24 07:54	10/24/24 04:39	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 04:39	1
Heptachlor epoxide (1C)	0.0063	J	0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 04:39	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 04:39	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 04:39	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 04:39	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 04:39	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		10/23/24 07:54	10/24/24 04:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	65		20 - 149	10/23/24 07:54	10/24/24 04:39	1
DCB Decachlorobiphenyl (Surr) (2C)	65		20 - 149	10/23/24 07:54	10/24/24 04:39	1
Tetrachloro-m-xylene (Surr) (1C)	67		20 - 129	10/23/24 07:54	10/24/24 04:39	1
Tetrachloro-m-xylene (Surr) (2C)	68		20 - 129	10/23/24 07:54	10/24/24 04:39	1

Client Sample ID: MW-3-F-20241017

Lab Sample ID: 410-193116-2

Date Collected: 10/17/24 09:04

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 05:11	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 05:11	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 05:11	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 05:11	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 05:11	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 05:11	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 05:11	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 05:11	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		10/23/24 07:54	10/24/24 05:11	1
Endrin (1C)	ND		0.030	0.0081	ug/L		10/23/24 07:54	10/24/24 05:11	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 05:11	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 05:11	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 05:11	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		10/23/24 07:54	10/24/24 05:11	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 05:11	1
Heptachlor epoxide (2C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 05:11	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-3-F-20241017

Lab Sample ID: 410-193116-2

Date Collected: 10/17/24 09:04

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 05:11	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 05:11	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 05:11	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 05:11	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		10/23/24 07:54	10/24/24 05:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	34		20 - 149	10/23/24 07:54	10/24/24 05:11	1
DCB Decachlorobiphenyl (Surr) (2C)	31		20 - 149	10/23/24 07:54	10/24/24 05:11	1
Tetrachloro-m-xylene (Surr) (1C)	74		20 - 129	10/23/24 07:54	10/24/24 05:11	1
Tetrachloro-m-xylene (Surr) (2C)	73		20 - 129	10/23/24 07:54	10/24/24 05:11	1

Client Sample ID: MW-5-UF-20241017

Lab Sample ID: 410-193116-3

Date Collected: 10/17/24 09:50

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 06:14	1
alpha-BHC (2C)	ND		0.021	0.0031	ug/L		10/23/24 07:54	10/24/24 06:14	1
alpha-Chlordane (1C)	ND		0.021	0.0031	ug/L		10/23/24 07:54	10/24/24 06:14	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		10/23/24 07:54	10/24/24 06:14	1
delta-BHC (1C)	ND		0.021	0.0035	ug/L		10/23/24 07:54	10/24/24 06:14	1
Dieldrin (2C)	0.013	J J, RC:P	0.031	0.0055	ug/L		10/23/24 07:54	10/24/24 06:14	1
Endosulfan I (1C)	ND		0.021	0.0045	ug/L		10/23/24 07:54	10/24/24 06:14	1
Endosulfan II (1C)	ND		0.042	0.016	ug/L		10/23/24 07:54	10/24/24 06:14	1
Endosulfan sulfate (1C)	ND		0.031	0.0060	ug/L		10/23/24 07:54	10/24/24 06:14	1
Endrin (1C)	ND		0.031	0.0084	ug/L		10/23/24 07:54	10/24/24 06:14	1
Endrin aldehyde (1C)	ND		0.10	0.021	ug/L		10/23/24 07:54	10/24/24 06:14	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 06:14	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 06:14	1
gamma-Chlordane (1C)	ND		0.042	0.0073	ug/L		10/23/24 07:54	10/24/24 06:14	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 06:14	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		10/23/24 07:54	10/24/24 06:14	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		10/23/24 07:54	10/24/24 06:14	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		10/23/24 07:54	10/24/24 06:14	1
p,p'-DDD (2C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 06:14	1
p,p'-DDE (1C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 06:14	1
p,p'-DDT (2C)	0.0062	J	0.031	0.0054	ug/L		10/23/24 07:54	10/24/24 06:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	78		20 - 149	10/23/24 07:54	10/24/24 06:14	1
DCB Decachlorobiphenyl (Surr) (2C)	74		20 - 149	10/23/24 07:54	10/24/24 06:14	1
Tetrachloro-m-xylene (Surr) (1C)	100		20 - 129	10/23/24 07:54	10/24/24 06:14	1
Tetrachloro-m-xylene (Surr) (2C)	94		20 - 129	10/23/24 07:54	10/24/24 06:14	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-5-F-20241017

Lab Sample ID: 410-193116-4

Date Collected: 10/17/24 09:55

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 06:25	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 06:25	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 06:25	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 06:25	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 06:25	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 06:25	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 06:25	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 06:25	1
Endosulfan sulfate (1C)	ND		0.030	0.0059	ug/L		10/23/24 07:54	10/24/24 06:25	1
Endrin (1C)	ND		0.030	0.0082	ug/L		10/23/24 07:54	10/24/24 06:25	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 06:25	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 06:25	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 06:25	1
gamma-Chlordane (1C)	ND		0.040	0.0071	ug/L		10/23/24 07:54	10/24/24 06:25	1
Heptachlor (2C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 06:25	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 06:25	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 06:25	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 06:25	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 06:25	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 06:25	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		10/23/24 07:54	10/24/24 06:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	54		20 - 149	10/23/24 07:54	10/24/24 06:25	1
DCB Decachlorobiphenyl (Surr) (2C)	51		20 - 149	10/23/24 07:54	10/24/24 06:25	1
Tetrachloro-m-xylene (Surr) (1C)	82		20 - 129	10/23/24 07:54	10/24/24 06:25	1
Tetrachloro-m-xylene (Surr) (2C)	79		20 - 129	10/23/24 07:54	10/24/24 06:25	1

Client Sample ID: MW-4-UF-20241017

Lab Sample ID: 410-193116-5

Date Collected: 10/17/24 10:33

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.20	0.020	ug/L		10/23/24 07:54	10/24/24 06:35	10
alpha-BHC (2C)	ND		0.20	0.030	ug/L		10/23/24 07:54	10/24/24 06:35	10
alpha-Chlordane (1C)	ND		0.20	0.030	ug/L		10/23/24 07:54	10/24/24 06:35	10
beta-BHC (1C)	ND		0.30	0.11	ug/L		10/23/24 07:54	10/24/24 06:35	10
delta-BHC (1C)	ND		0.20	0.034	ug/L		10/23/24 07:54	10/24/24 06:35	10
Dieldrin (2C)	1.5		0.30	0.053	ug/L		10/23/24 07:54	10/24/24 06:35	10
Endosulfan I (1C)	ND		0.20	0.043	ug/L		10/23/24 07:54	10/24/24 06:35	10
Endosulfan II (1C)	ND		0.40	0.15	ug/L		10/23/24 07:54	10/24/24 06:35	10
Endosulfan sulfate (1C)	ND		0.30	0.058	ug/L		10/23/24 07:54	10/24/24 06:35	10
Endrin (1C)	ND		0.30	0.081	ug/L		10/23/24 07:54	10/24/24 06:35	10
Endrin aldehyde (1C)	ND		1.0	0.20	ug/L		10/23/24 07:54	10/24/24 06:35	10
Endrin ketone (1C)	ND		0.30	0.050	ug/L		10/23/24 07:54	10/24/24 06:35	10
gamma-BHC (Lindane) (1C)	ND		0.20	0.020	ug/L		10/23/24 07:54	10/24/24 06:35	10
gamma-Chlordane (1C)	ND		0.40	0.070	ug/L		10/23/24 07:54	10/24/24 06:35	10
Heptachlor (1C)	ND		0.20	0.020	ug/L		10/23/24 07:54	10/24/24 06:35	10
Heptachlor epoxide (1C)	ND		0.20	0.023	ug/L		10/23/24 07:54	10/24/24 06:35	10

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-4-UF-20241017

Lab Sample ID: 410-193116-5

Date Collected: 10/17/24 10:33

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		1.1	0.30	ug/L		10/23/24 07:54	10/24/24 06:35	10
Toxaphene (1C)	ND		10	3.0	ug/L		10/23/24 07:54	10/24/24 06:35	10
p,p'-DDD (1C)	ND		0.30	0.050	ug/L		10/23/24 07:54	10/24/24 06:35	10
p,p'-DDE (1C)	ND		0.30	0.050	ug/L		10/23/24 07:54	10/24/24 06:35	10
p,p'-DDT (1C)	ND		0.30	0.052	ug/L		10/23/24 07:54	10/24/24 06:35	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	78		20 - 149				10/23/24 07:54	10/24/24 06:35	10
DCB Decachlorobiphenyl (Surr) (2C)	79		20 - 149				10/23/24 07:54	10/24/24 06:35	10
Tetrachloro-m-xylene (Surr) (1C)	115		20 - 129				10/23/24 07:54	10/24/24 06:35	10
Tetrachloro-m-xylene (Surr) (2C)	83		20 - 129				10/23/24 07:54	10/24/24 06:35	10

Client Sample ID: MW-4-F-20241017

Lab Sample ID: 410-193116-6

Date Collected: 10/17/24 10:38

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 07:28	1
alpha-BHC (2C)	ND		0.020	0.0031	ug/L		10/23/24 07:54	10/24/24 07:28	1
alpha-Chlordane (1C)	ND		0.020	0.0031	ug/L		10/23/24 07:54	10/24/24 07:28	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		10/23/24 07:54	10/24/24 07:28	1
delta-BHC (1C)	ND		0.020	0.0035	ug/L		10/23/24 07:54	10/24/24 07:28	1
Dieldrin (1C)	0.035		0.031	0.0054	ug/L		10/23/24 07:54	10/24/24 07:28	1
Endosulfan I (1C)	ND		0.020	0.0044	ug/L		10/23/24 07:54	10/24/24 07:28	1
Endosulfan II (1C)	ND		0.041	0.015	ug/L		10/23/24 07:54	10/24/24 07:28	1
Endosulfan sulfate (1C)	ND		0.031	0.0059	ug/L		10/23/24 07:54	10/24/24 07:28	1
Endrin (1C)	ND		0.031	0.0083	ug/L		10/23/24 07:54	10/24/24 07:28	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 07:28	1
Endrin ketone (1C)	ND		0.031	0.0051	ug/L		10/23/24 07:54	10/24/24 07:28	1
gamma-BHC (Lindane) (2C)	0.0023	J p J, RC:P	0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 07:28	1
gamma-Chlordane (1C)	ND		0.041	0.0071	ug/L		10/23/24 07:54	10/24/24 07:28	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 07:28	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 07:28	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		10/23/24 07:54	10/24/24 07:28	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		10/23/24 07:54	10/24/24 07:28	1
p,p'-DDD (1C)	ND		0.031	0.0051	ug/L		10/23/24 07:54	10/24/24 07:28	1
p,p'-DDE (1C)	ND		0.031	0.0051	ug/L		10/23/24 07:54	10/24/24 07:28	1
p,p'-DDT (1C)	ND		0.031	0.0053	ug/L		10/23/24 07:54	10/24/24 07:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	63		20 - 149				10/23/24 07:54	10/24/24 07:28	1
DCB Decachlorobiphenyl (Surr) (2C)	64		20 - 149				10/23/24 07:54	10/24/24 07:28	1
Tetrachloro-m-xylene (Surr) (1C)	78		20 - 129				10/23/24 07:54	10/24/24 07:28	1
Tetrachloro-m-xylene (Surr) (2C)	74		20 - 129				10/23/24 07:54	10/24/24 07:28	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-2D-UF-20241017

Lab Sample ID: 410-193116-7

Date Collected: 10/17/24 11:57

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (2C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 07:39	1
alpha-BHC (1C)	ND		0.021	0.0031	ug/L		10/23/24 07:54	10/24/24 07:39	1
alpha-Chlordane (2C)	0.0043	J p J, RC:P	0.021	0.0031	ug/L		10/23/24 07:54	10/24/24 07:39	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		10/23/24 07:54	10/24/24 07:39	1
delta-BHC (1C)	ND		0.021	0.0036	ug/L		10/23/24 07:54	10/24/24 07:39	1
Dieldrin (1C)	0.022	J p J, RC:P	0.031	0.0055	ug/L		10/23/24 07:54	10/24/24 07:39	1
Endosulfan I (1C)	ND		0.021	0.0045	ug/L		10/23/24 07:54	10/24/24 07:39	1
Endosulfan II (1C)	ND		0.042	0.016	ug/L		10/23/24 07:54	10/24/24 07:39	1
Endosulfan sulfate (1C)	ND		0.031	0.0061	ug/L		10/23/24 07:54	10/24/24 07:39	1
Endrin (1C)	ND		0.031	0.0085	ug/L		10/23/24 07:54	10/24/24 07:39	1
Endrin aldehyde (2C)	ND		0.10	0.021	ug/L		10/23/24 07:54	10/24/24 07:39	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 07:39	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 07:39	1
gamma-Chlordane (1C)	ND		0.042	0.0073	ug/L		10/23/24 07:54	10/24/24 07:39	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 07:39	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		10/23/24 07:54	10/24/24 07:39	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		10/23/24 07:54	10/24/24 07:39	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		10/23/24 07:54	10/24/24 07:39	1
p,p'-DDD (2C)	0.37		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 07:39	1
p,p'-DDE (1C)	0.14		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 07:39	1
p,p'-DDT (1C)	0.025	J p J, RC:P	0.031	0.0054	ug/L		10/23/24 07:54	10/24/24 07:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	49	p	20 - 149				10/23/24 07:54	10/24/24 07:39	1
DCB Decachlorobiphenyl (Surr) (2C)	101		20 - 149				10/23/24 07:54	10/24/24 07:39	1
Tetrachloro-m-xylene (Surr) (1C)	89		20 - 129				10/23/24 07:54	10/24/24 07:39	1
Tetrachloro-m-xylene (Surr) (2C)	83		20 - 129				10/23/24 07:54	10/24/24 07:39	1

Client Sample ID: MW-2D-F-20241017

Lab Sample ID: 410-193116-8

Date Collected: 10/17/24 12:02

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 07:50	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 07:50	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 07:50	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 07:50	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 07:50	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 07:50	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 07:50	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 07:50	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		10/23/24 07:54	10/24/24 07:50	1
Endrin (1C)	ND		0.030	0.0081	ug/L		10/23/24 07:54	10/24/24 07:50	1
Endrin aldehyde (2C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 07:50	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 07:50	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 07:50	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		10/23/24 07:54	10/24/24 07:50	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 07:50	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 07:50	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-2D-F-20241017

Lab Sample ID: 410-193116-8

Date Collected: 10/17/24 12:02

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 07:50	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 07:50	1
p,p'-DDD (1C)	0.011	J	0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 07:50	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 07:50	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		10/23/24 07:54	10/24/24 07:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	71		20 - 149				10/23/24 07:54	10/24/24 07:50	1
DCB Decachlorobiphenyl (Surr) (2C)	82		20 - 149				10/23/24 07:54	10/24/24 07:50	1
Tetrachloro-m-xylene (Surr) (1C)	80		20 - 129				10/23/24 07:54	10/24/24 07:50	1
Tetrachloro-m-xylene (Surr) (2C)	76		20 - 129				10/23/24 07:54	10/24/24 07:50	1

Client Sample ID: DUP-UF-20241017

Lab Sample ID: 410-193116-9

Date Collected: 10/17/24 00:00

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:00	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 08:00	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 08:00	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 08:00	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 08:00	1
Dieldrin (1C)	0.022	J p J, RC:P	0.030	0.0054	ug/L		10/23/24 07:54	10/24/24 08:00	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 08:00	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 08:00	1
Endosulfan sulfate (1C)	ND		0.030	0.0059	ug/L		10/23/24 07:54	10/24/24 08:00	1
Endrin (1C)	ND		0.030	0.0082	ug/L		10/23/24 07:54	10/24/24 08:00	1
Endrin aldehyde (2C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 08:00	1
Endrin ketone (1C)	ND		0.030	0.0051	ug/L		10/23/24 07:54	10/24/24 08:00	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:00	1
gamma-Chlordane (1C)	ND		0.040	0.0071	ug/L		10/23/24 07:54	10/24/24 08:00	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:00	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 08:00	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 08:00	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 08:00	1
p,p'-DDD (2C)	0.38		0.030	0.0051	ug/L		10/23/24 07:54	10/24/24 08:00	1
p,p'-DDE (1C)	0.14		0.030	0.0051	ug/L		10/23/24 07:54	10/24/24 08:00	1
p,p'-DDT (1C)	0.073	p J, RC:P	0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 08:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	54	p	20 - 149				10/23/24 07:54	10/24/24 08:00	1
DCB Decachlorobiphenyl (Surr) (2C)	104		20 - 149				10/23/24 07:54	10/24/24 08:00	1
Tetrachloro-m-xylene (Surr) (1C)	88		20 - 129				10/23/24 07:54	10/24/24 08:00	1
Tetrachloro-m-xylene (Surr) (2C)	82		20 - 129				10/23/24 07:54	10/24/24 08:00	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: DUP-F-20241017

Lab Sample ID: 410-193116-10

Date Collected: 10/17/24 00:01

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:11	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 08:11	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 08:11	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 08:11	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 08:11	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 08:11	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 08:11	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 08:11	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		10/23/24 07:54	10/24/24 08:11	1
Endrin (1C)	ND		0.030	0.0081	ug/L		10/23/24 07:54	10/24/24 08:11	1
Endrin aldehyde (2C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 08:11	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 08:11	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:11	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		10/23/24 07:54	10/24/24 08:11	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:11	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 08:11	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 08:11	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 08:11	1
p,p'-DDD (1C)	0.0088	J	0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 08:11	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 08:11	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		10/23/24 07:54	10/24/24 08:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	72		20 - 149	10/23/24 07:54	10/24/24 08:11	1
DCB Decachlorobiphenyl (Surr) (2C)	82		20 - 149	10/23/24 07:54	10/24/24 08:11	1
Tetrachloro-m-xylene (Surr) (1C)	80		20 - 129	10/23/24 07:54	10/24/24 08:11	1
Tetrachloro-m-xylene (Surr) (2C)	76		20 - 129	10/23/24 07:54	10/24/24 08:11	1

Client Sample ID: EB-UF-20241017

Lab Sample ID: 410-193116-11

Date Collected: 10/17/24 10:48

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:21	1
alpha-BHC (1C)	ND		0.020	0.0031	ug/L		10/23/24 07:54	10/24/24 08:21	1
alpha-Chlordane (1C)	ND		0.020	0.0031	ug/L		10/23/24 07:54	10/24/24 08:21	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		10/23/24 07:54	10/24/24 08:21	1
delta-BHC (1C)	ND		0.020	0.0035	ug/L		10/23/24 07:54	10/24/24 08:21	1
Dieldrin (1C)	ND		0.031	0.0054	ug/L		10/23/24 07:54	10/24/24 08:21	1
Endosulfan I (1C)	ND		0.020	0.0044	ug/L		10/23/24 07:54	10/24/24 08:21	1
Endosulfan II (1C)	ND		0.041	0.015	ug/L		10/23/24 07:54	10/24/24 08:21	1
Endosulfan sulfate (1C)	ND		0.031	0.0059	ug/L		10/23/24 07:54	10/24/24 08:21	1
Endrin (1C)	ND		0.031	0.0083	ug/L		10/23/24 07:54	10/24/24 08:21	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 08:21	1
Endrin ketone (1C)	ND		0.031	0.0051	ug/L		10/23/24 07:54	10/24/24 08:21	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:21	1
gamma-Chlordane (1C)	ND		0.041	0.0072	ug/L		10/23/24 07:54	10/24/24 08:21	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 08:21	1
Heptachlor epoxide (1C)	ND		0.020	0.0024	ug/L		10/23/24 07:54	10/24/24 08:21	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: EB-UF-20241017

Lab Sample ID: 410-193116-11

Date Collected: 10/17/24 10:48

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.11	0.031	ug/L		10/23/24 07:54	10/24/24 08:21	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		10/23/24 07:54	10/24/24 08:21	1
p,p'-DDD (1C)	ND		0.031	0.0051	ug/L		10/23/24 07:54	10/24/24 08:21	1
p,p'-DDE (1C)	ND		0.031	0.0051	ug/L		10/23/24 07:54	10/24/24 08:21	1
p,p'-DDT (1C)	ND		0.031	0.0053	ug/L		10/23/24 07:54	10/24/24 08:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	115		20 - 149				10/23/24 07:54	10/24/24 08:21	1
DCB Decachlorobiphenyl (Surr) (2C)	104		20 - 149				10/23/24 07:54	10/24/24 08:21	1
Tetrachloro-m-xylene (Surr) (1C)	98		20 - 129				10/23/24 07:54	10/24/24 08:21	1
Tetrachloro-m-xylene (Surr) (2C)	97		20 - 129				10/23/24 07:54	10/24/24 08:21	1

Client Sample ID: EB-F-20241017

Lab Sample ID: 410-193116-12

Date Collected: 10/17/24 10:53

Matrix: Water

Date Received: 10/18/24 19:09

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 08:32	1
alpha-BHC (1C)	ND		0.021	0.0031	ug/L		10/23/24 07:54	10/24/24 08:32	1
alpha-Chlordane (1C)	ND		0.021	0.0031	ug/L		10/23/24 07:54	10/24/24 08:32	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		10/23/24 07:54	10/24/24 08:32	1
delta-BHC (1C)	ND		0.021	0.0035	ug/L		10/23/24 07:54	10/24/24 08:32	1
Dieldrin (1C)	ND		0.031	0.0055	ug/L		10/23/24 07:54	10/24/24 08:32	1
Endosulfan I (1C)	ND		0.021	0.0044	ug/L		10/23/24 07:54	10/24/24 08:32	1
Endosulfan II (1C)	ND		0.041	0.015	ug/L		10/23/24 07:54	10/24/24 08:32	1
Endosulfan sulfate (1C)	ND		0.031	0.0060	ug/L		10/23/24 07:54	10/24/24 08:32	1
Endrin (1C)	ND		0.031	0.0083	ug/L		10/23/24 07:54	10/24/24 08:32	1
Endrin aldehyde (1C)	ND		0.10	0.021	ug/L		10/23/24 07:54	10/24/24 08:32	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 08:32	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 08:32	1
gamma-Chlordane (1C)	ND		0.041	0.0072	ug/L		10/23/24 07:54	10/24/24 08:32	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		10/23/24 07:54	10/24/24 08:32	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		10/23/24 07:54	10/24/24 08:32	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		10/23/24 07:54	10/24/24 08:32	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		10/23/24 07:54	10/24/24 08:32	1
p,p'-DDD (1C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 08:32	1
p,p'-DDE (1C)	ND		0.031	0.0052	ug/L		10/23/24 07:54	10/24/24 08:32	1
p,p'-DDT (1C)	ND		0.031	0.0054	ug/L		10/23/24 07:54	10/24/24 08:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	40		20 - 149				10/23/24 07:54	10/24/24 08:32	1
DCB Decachlorobiphenyl (Surr) (2C)	38		20 - 149				10/23/24 07:54	10/24/24 08:32	1
Tetrachloro-m-xylene (Surr) (1C)	114		20 - 129				10/23/24 07:54	10/24/24 08:32	1
Tetrachloro-m-xylene (Surr) (2C)	111		20 - 129				10/23/24 07:54	10/24/24 08:32	1

Surrogate Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (20-149)	DCB2 (20-149)	TCX1 (20-129)	TCX2 (20-129)
410-193116-1	MW-3-UF-20241017	65	65	67	68
410-193116-1 MS	MW-3-UF-20241017	65	62	81	80
410-193116-1 MSD	MW-3-UF-20241017	77	71	77	76
410-193116-2	MW-3-F-20241017	34	31	74	73
410-193116-2 MS	MW-3-F-20241017	84	82	82	81
410-193116-2 MSD	MW-3-F-20241017	75	73	75	74
410-193116-3	MW-5-UF-20241017	78	74	100	94
410-193116-4	MW-5-F-20241017	54	51	82	79
410-193116-5	MW-4-UF-20241017	78	79	115	83
410-193116-6	MW-4-F-20241017	63	64	78	74
410-193116-7	MW-2D-UF-20241017	49 p	101	89	83
410-193116-8	MW-2D-F-20241017	71	82	80	76
410-193116-9	DUP-UF-20241017	54 p	104	88	82
410-193116-10	DUP-F-20241017	72	82	80	76
410-193116-11	EB-UF-20241017	115	104	98	97
410-193116-12	EB-F-20241017	40	38	114	111
LCS 410-566708/2-A	Lab Control Sample	72	72	65	60
LCSD 410-566708/3-A	Lab Control Sample Dup	88	84	73	66
MB 410-566708/1-A	Method Blank	98	98	69	62

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 410-566708/1-A

Matrix: Water

Analysis Batch: 567171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 566708

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 03:46	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 03:46	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		10/23/24 07:54	10/24/24 03:46	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		10/23/24 07:54	10/24/24 03:46	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		10/23/24 07:54	10/24/24 03:46	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		10/23/24 07:54	10/24/24 03:46	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		10/23/24 07:54	10/24/24 03:46	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		10/23/24 07:54	10/24/24 03:46	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		10/23/24 07:54	10/24/24 03:46	1
Endrin (1C)	ND		0.030	0.0081	ug/L		10/23/24 07:54	10/24/24 03:46	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		10/23/24 07:54	10/24/24 03:46	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 03:46	1
gamma-BHC (Lindane) (2C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 03:46	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		10/23/24 07:54	10/24/24 03:46	1
Heptachlor (2C)	ND		0.020	0.0020	ug/L		10/23/24 07:54	10/24/24 03:46	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		10/23/24 07:54	10/24/24 03:46	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		10/23/24 07:54	10/24/24 03:46	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		10/23/24 07:54	10/24/24 03:46	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 03:46	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		10/23/24 07:54	10/24/24 03:46	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		10/23/24 07:54	10/24/24 03:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	98		20 - 149	10/23/24 07:54	10/24/24 03:46	1
DCB Decachlorobiphenyl (Surr) (2C)	98		20 - 149	10/23/24 07:54	10/24/24 03:46	1
Tetrachloro-m-xylene (Surr) (1C)	69		20 - 129	10/23/24 07:54	10/24/24 03:46	1
Tetrachloro-m-xylene (Surr) (2C)	62		20 - 129	10/23/24 07:54	10/24/24 03:46	1

Lab Sample ID: LCS 410-566708/2-A

Matrix: Water

Analysis Batch: 567171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (2C)	0.100	0.0544		ug/L		54	10 - 148
alpha-BHC (2C)	0.100	0.0823		ug/L		82	47 - 132
alpha-Chlordane (1C)	0.100	0.0787		ug/L		79	50 - 136
beta-BHC (1C)	0.100	0.0918		ug/L		92	65 - 139
delta-BHC (1C)	0.100	0.0827		ug/L		83	56 - 141
Dieldrin (2C)	0.200	0.165		ug/L		83	58 - 145
Endosulfan I (2C)	0.100	0.0806		ug/L		81	63 - 138
Endosulfan II (2C)	0.200	0.166		ug/L		83	61 - 138
Endosulfan sulfate (2C)	0.200	0.168		ug/L		84	63 - 129
Endrin (1C)	0.200	0.166		ug/L		83	63 - 131
Endrin aldehyde (2C)	0.200	0.159		ug/L		80	57 - 135
Endrin ketone (1C)	0.200	0.177		ug/L		89	67 - 136
gamma-BHC (Lindane) (2C)	0.100	0.0839		ug/L		84	61 - 139
gamma-Chlordane (2C)	0.100	0.0805		ug/L		80	33 - 141
Heptachlor (1C)	0.100	0.0625		ug/L		62	35 - 136

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 410-566708/2-A

Matrix: Water

Analysis Batch: 567171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor epoxide (2C)	0.100	0.0819		ug/L		82	59 - 146
Methoxychlor (2C)	1.00	0.957		ug/L		96	66 - 148
p,p'-DDD (2C)	0.200	0.171		ug/L		85	42 - 148
p,p'-DDE (1C)	0.200	0.154		ug/L		77	20 - 140
p,p'-DDT (2C)	0.200	0.187		ug/L		93	40 - 145

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	72		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	72		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	65		20 - 129
Tetrachloro-m-xylene (Surr) (2C)	60		20 - 129

Lab Sample ID: LCSD 410-566708/3-A

Matrix: Water

Analysis Batch: 567171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (2C)	0.100	0.0570		ug/L		57	10 - 148	5	30
alpha-BHC (2C)	0.100	0.0899		ug/L		90	47 - 132	9	30
alpha-Chlordane (2C)	0.100	0.0846		ug/L		85	50 - 136	7	30
beta-BHC (1C)	0.100	0.0940		ug/L		94	65 - 139	2	30
delta-BHC (2C)	0.100	0.0900		ug/L		90	56 - 141	9	30
Dieldrin (2C)	0.200	0.189		ug/L		94	58 - 145	13	30
Endosulfan I (1C)	0.100	0.0903		ug/L		90	63 - 138	11	30
Endosulfan II (2C)	0.200	0.182		ug/L		91	61 - 138	9	30
Endosulfan sulfate (1C)	0.200	0.190		ug/L		95	63 - 129	12	30
Endrin (1C)	0.200	0.182		ug/L		91	63 - 131	9	30
Endrin aldehyde (2C)	0.200	0.179		ug/L		89	57 - 135	12	20
Endrin ketone (1C)	0.200	0.204		ug/L		102	67 - 136	14	30
gamma-BHC (Lindane) (2C)	0.100	0.0936		ug/L		94	61 - 139	11	30
gamma-Chlordane (2C)	0.100	0.0910		ug/L		91	33 - 141	12	30
Heptachlor (2C)	0.100	0.0678		ug/L		68	35 - 136	8	30
Heptachlor epoxide (2C)	0.100	0.0966		ug/L		97	59 - 146	17	30
Methoxychlor (2C)	1.00	1.09		ug/L		109	66 - 148	13	30
p,p'-DDD (2C)	0.200	0.190		ug/L		95	42 - 148	11	30
p,p'-DDE (1C)	0.200	0.173		ug/L		86	20 - 140	11	30
p,p'-DDT (2C)	0.200	0.210		ug/L		105	40 - 145	12	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	88		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	84		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	73		20 - 129

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 410-566708/3-A

Matrix: Water

Analysis Batch: 567171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 566708

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene (Surr) (2C)	66		20 - 129

Lab Sample ID: 410-193116-1 MS

Matrix: Water

Analysis Batch: 567171

Client Sample ID: MW-3-UF-20241017

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (2C)	ND		0.102	0.0709		ug/L		70	10 - 148
alpha-BHC (2C)	ND		0.102	0.100		ug/L		99	47 - 132
alpha-Chlordane (1C)	0.013	J	0.102	0.106		ug/L		92	50 - 136
beta-BHC (2C)	ND		0.102	0.101		ug/L		99	65 - 139
delta-BHC (2C)	ND		0.102	0.100		ug/L		99	56 - 141
Dieldrin (2C)	ND		0.203	0.194		ug/L		95	58 - 145
Endosulfan I (2C)	ND		0.102	0.0957		ug/L		94	63 - 138
Endosulfan II (2C)	ND		0.203	0.194		ug/L		96	61 - 138
Endosulfan sulfate (2C)	ND		0.203	0.200		ug/L		98	63 - 129
Endrin (2C)	ND		0.203	0.196		ug/L		97	63 - 131
Endrin aldehyde (2C)	ND		0.203	0.203		ug/L		100	57 - 135
Endrin ketone (2C)	ND		0.203	0.207		ug/L		102	67 - 136
gamma-BHC (Lindane) (2C)	ND		0.102	0.102		ug/L		101	61 - 139
gamma-Chlordane (2C)	ND		0.102	0.111		ug/L		110	33 - 141
Heptachlor (2C)	ND		0.102	0.0817		ug/L		80	35 - 136
Heptachlor epoxide (2C)	0.0063	J	0.102	0.105		ug/L		97	59 - 146
Methoxychlor (2C)	ND		1.02	1.11		ug/L		109	66 - 148
p,p'-DDD (2C)	ND		0.203	0.197		ug/L		97	42 - 148
p,p'-DDE (1C)	ND		0.203	0.187		ug/L		92	20 - 140
p,p'-DDT (2C)	ND		0.203	0.209		ug/L		103	40 - 145

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	65		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	62		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	81		20 - 129
Tetrachloro-m-xylene (Surr) (2C)	80		20 - 129

Lab Sample ID: 410-193116-1 MSD

Matrix: Water

Analysis Batch: 567171

Client Sample ID: MW-3-UF-20241017

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Aldrin (1C)	ND		0.102	0.0639		ug/L		62	10 - 148	10	30
alpha-BHC (2C)	ND		0.102	0.0920		ug/L		90	47 - 132	8	30
alpha-Chlordane (2C)	0.013	J	0.102	0.0922		ug/L		78	50 - 136	14	30
beta-BHC (2C)	ND		0.102	0.0947		ug/L		93	65 - 139	6	30
delta-BHC (2C)	ND		0.102	0.0890		ug/L		87	56 - 141	12	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 410-193116-1 MSD

Matrix: Water

Analysis Batch: 567171

Client Sample ID: MW-3-UF-20241017

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dieldrin (2C)	ND		0.205	0.181		ug/L		89	58 - 145	6	30
Endosulfan I (2C)	ND		0.102	0.0871		ug/L		85	63 - 138	9	30
Endosulfan II (1C)	ND		0.205	0.166		ug/L		81	61 - 138	16	30
Endosulfan sulfate (1C)	ND		0.205	0.174		ug/L		85	63 - 129	14	30
Endrin (2C)	ND		0.205	0.179		ug/L		87	63 - 131	9	30
Endrin aldehyde (2C)	ND		0.205	0.173		ug/L		85	57 - 135	16	20
Endrin ketone (2C)	ND		0.205	0.184		ug/L		90	67 - 136	12	30
gamma-BHC (Lindane) (2C)	ND		0.102	0.0926		ug/L		91	61 - 139	10	30
gamma-Chlordane (2C)	ND		0.102	0.0953		ug/L		93	33 - 141	16	30
Heptachlor (2C)	ND		0.102	0.0760		ug/L		74	35 - 136	7	30
Heptachlor epoxide (2C)	0.0063	J	0.102	0.0945		ug/L		86	59 - 146	10	30
Methoxychlor (2C)	ND		1.02	0.962		ug/L		94	66 - 148	14	30
p,p'-DDD (2C)	ND		0.205	0.176		ug/L		86	42 - 148	12	30
p,p'-DDE (2C)	ND		0.205	0.164		ug/L		80	20 - 140	13	30
p,p'-DDT (2C)	ND		0.205	0.188		ug/L		92	40 - 145	10	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	77		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	71		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	77		20 - 129
Tetrachloro-m-xylene (Surr) (2C)	76		20 - 129

Lab Sample ID: 410-193116-2 MS

Matrix: Water

Analysis Batch: 567171

Client Sample ID: MW-3-F-20241017

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (2C)	ND		0.103	0.0770		ug/L		75	10 - 148
alpha-BHC (2C)	ND		0.103	0.0971		ug/L		95	47 - 132
alpha-Chlordane (2C)	ND		0.103	0.0967		ug/L		94	50 - 136
beta-BHC (2C)	ND		0.103	0.0988		ug/L		96	65 - 139
delta-BHC (2C)	ND		0.103	0.0977		ug/L		95	56 - 141
Dieldrin (2C)	ND		0.205	0.196		ug/L		95	58 - 145
Endosulfan I (2C)	ND		0.103	0.0938		ug/L		91	63 - 138
Endosulfan II (2C)	ND		0.205	0.185		ug/L		90	61 - 138
Endosulfan sulfate (1C)	ND		0.205	0.190		ug/L		92	63 - 129
Endrin (1C)	ND		0.205	0.189		ug/L		92	63 - 131
Endrin aldehyde (2C)	ND		0.205	0.190		ug/L		92	57 - 135
Endrin ketone (2C)	ND		0.205	0.201		ug/L		98	67 - 136
gamma-BHC (Lindane) (2C)	ND		0.103	0.0999		ug/L		97	61 - 139
gamma-Chlordane (2C)	ND		0.103	0.0980		ug/L		95	33 - 141
Heptachlor (1C)	ND		0.103	0.0894		ug/L		87	35 - 136
Heptachlor epoxide (2C)	ND		0.103	0.100		ug/L		97	59 - 146
Methoxychlor (2C)	ND		1.03	1.04		ug/L		102	66 - 148
p,p'-DDD (2C)	ND		0.205	0.195		ug/L		95	42 - 148

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 410-193116-2 MS

Matrix: Water

Analysis Batch: 567171

Client Sample ID: MW-3-F-20241017

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
p,p'-DDE (2C)	ND		0.205	0.192		ug/L		93	20 - 140
p,p'-DDT (2C)	ND		0.205	0.212		ug/L		103	40 - 145

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	84		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	82		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	82		20 - 129
Tetrachloro-m-xylene (Surr) (2C)	81		20 - 129

Lab Sample ID: 410-193116-2 MSD

Matrix: Water

Analysis Batch: 567171

Client Sample ID: MW-3-F-20241017

Prep Type: Total/NA

Prep Batch: 566708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (2C)	ND		0.101	0.0661		ug/L		65	10 - 148	15	30
alpha-BHC (2C)	ND		0.101	0.0869		ug/L		86	47 - 132	11	30
alpha-Chlordane (2C)	ND		0.101	0.0846		ug/L		83	50 - 136	13	30
beta-BHC (1C)	ND		0.101	0.0919		ug/L		91	65 - 139	7	30
delta-BHC (2C)	ND		0.101	0.0864		ug/L		85	56 - 141	12	30
Dieldrin (2C)	ND		0.203	0.171		ug/L		84	58 - 145	13	30
Endosulfan I (2C)	ND		0.101	0.0860		ug/L		85	63 - 138	9	30
Endosulfan II (1C)	ND		0.203	0.164		ug/L		81	61 - 138	12	30
Endosulfan sulfate (1C)	ND		0.203	0.174		ug/L		86	63 - 129	8	30
Endrin (2C)	ND		0.203	0.170		ug/L		84	63 - 131	11	30
Endrin aldehyde (2C)	ND		0.203	0.183		ug/L		90	57 - 135	4	20
Endrin ketone (2C)	ND		0.203	0.184		ug/L		91	67 - 136	9	30
gamma-BHC (Lindane) (2C)	ND		0.101	0.0910		ug/L		90	61 - 139	9	30
gamma-Chlordane (2C)	ND		0.101	0.0887		ug/L		87	33 - 141	10	30
Heptachlor (2C)	ND		0.101	0.0757		ug/L		75	35 - 136	17	30
Heptachlor epoxide (2C)	ND		0.101	0.0864		ug/L		85	59 - 146	15	30
Methoxychlor (2C)	ND		1.01	0.944		ug/L		93	66 - 148	10	30
p,p'-DDD (2C)	ND		0.203	0.173		ug/L		85	42 - 148	12	30
p,p'-DDE (2C)	ND		0.203	0.164		ug/L		81	20 - 140	16	30
p,p'-DDT (2C)	ND		0.203	0.181		ug/L		89	40 - 145	16	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	75		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	73		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	75		20 - 129
Tetrachloro-m-xylene (Surr) (2C)	74		20 - 129

QC Association Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

GC Semi VOA

Prep Batch: 566708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-193116-1	MW-3-UF-20241017	Total/NA	Water	3510C	
410-193116-2	MW-3-F-20241017	Total/NA	Water	3510C	
410-193116-3	MW-5-UF-20241017	Total/NA	Water	3510C	
410-193116-4	MW-5-F-20241017	Total/NA	Water	3510C	
410-193116-5	MW-4-UF-20241017	Total/NA	Water	3510C	
410-193116-6	MW-4-F-20241017	Total/NA	Water	3510C	
410-193116-7	MW-2D-UF-20241017	Total/NA	Water	3510C	
410-193116-8	MW-2D-F-20241017	Total/NA	Water	3510C	
410-193116-9	DUP-UF-20241017	Total/NA	Water	3510C	
410-193116-10	DUP-F-20241017	Total/NA	Water	3510C	
410-193116-11	EB-UF-20241017	Total/NA	Water	3510C	
410-193116-12	EB-F-20241017	Total/NA	Water	3510C	
MB 410-566708/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-566708/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-566708/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
410-193116-1 MS	MW-3-UF-20241017	Total/NA	Water	3510C	
410-193116-1 MSD	MW-3-UF-20241017	Total/NA	Water	3510C	
410-193116-2 MS	MW-3-F-20241017	Total/NA	Water	3510C	
410-193116-2 MSD	MW-3-F-20241017	Total/NA	Water	3510C	

Analysis Batch: 567171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-193116-1	MW-3-UF-20241017	Total/NA	Water	8081B	566708
410-193116-2	MW-3-F-20241017	Total/NA	Water	8081B	566708
410-193116-3	MW-5-UF-20241017	Total/NA	Water	8081B	566708
410-193116-4	MW-5-F-20241017	Total/NA	Water	8081B	566708
410-193116-5	MW-4-UF-20241017	Total/NA	Water	8081B	566708
410-193116-6	MW-4-F-20241017	Total/NA	Water	8081B	566708
410-193116-7	MW-2D-UF-20241017	Total/NA	Water	8081B	566708
410-193116-8	MW-2D-F-20241017	Total/NA	Water	8081B	566708
410-193116-9	DUP-UF-20241017	Total/NA	Water	8081B	566708
410-193116-10	DUP-F-20241017	Total/NA	Water	8081B	566708
410-193116-11	EB-UF-20241017	Total/NA	Water	8081B	566708
410-193116-12	EB-F-20241017	Total/NA	Water	8081B	566708
MB 410-566708/1-A	Method Blank	Total/NA	Water	8081B	566708
LCS 410-566708/2-A	Lab Control Sample	Total/NA	Water	8081B	566708
LCSD 410-566708/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	566708
410-193116-1 MS	MW-3-UF-20241017	Total/NA	Water	8081B	566708
410-193116-1 MSD	MW-3-UF-20241017	Total/NA	Water	8081B	566708
410-193116-2 MS	MW-3-F-20241017	Total/NA	Water	8081B	566708
410-193116-2 MSD	MW-3-F-20241017	Total/NA	Water	8081B	566708

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-3-UF-20241017

Lab Sample ID: 410-193116-1

Date Collected: 10/17/24 08:59

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 04:39

Client Sample ID: MW-3-F-20241017

Lab Sample ID: 410-193116-2

Date Collected: 10/17/24 09:04

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 05:11

Client Sample ID: MW-5-UF-20241017

Lab Sample ID: 410-193116-3

Date Collected: 10/17/24 09:50

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 06:14

Client Sample ID: MW-5-F-20241017

Lab Sample ID: 410-193116-4

Date Collected: 10/17/24 09:55

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 06:25

Client Sample ID: MW-4-UF-20241017

Lab Sample ID: 410-193116-5

Date Collected: 10/17/24 10:33

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		10	567171	UAMZ	ELLE	10/24/24 06:35

Client Sample ID: MW-4-F-20241017

Lab Sample ID: 410-193116-6

Date Collected: 10/17/24 10:38

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 07:28

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Client Sample ID: MW-2D-UF-20241017

Lab Sample ID: 410-193116-7

Date Collected: 10/17/24 11:57

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 07:39

Client Sample ID: MW-2D-F-20241017

Lab Sample ID: 410-193116-8

Date Collected: 10/17/24 12:02

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 07:50

Client Sample ID: DUP-UF-20241017

Lab Sample ID: 410-193116-9

Date Collected: 10/17/24 00:00

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 08:00

Client Sample ID: DUP-F-20241017

Lab Sample ID: 410-193116-10

Date Collected: 10/17/24 00:01

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 08:11

Client Sample ID: EB-UF-20241017

Lab Sample ID: 410-193116-11

Date Collected: 10/17/24 10:48

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 08:21

Client Sample ID: EB-F-20241017

Lab Sample ID: 410-193116-12

Date Collected: 10/17/24 10:53

Matrix: Water

Date Received: 10/18/24 19:09

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			566708	QKX3	ELLE	10/23/24 07:54
Total/NA	Analysis	8081B		1	567171	UAMZ	ELLE	10/24/24 08:32

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins Lancaster Laboratories Environment Testing, LLC

Accreditation/Certification Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Method	Method Description	Protocol	Laboratory
8081B	Organochlorine Pesticides (GC)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-193116-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-193116-1	MW-3-UF-20241017	Water	10/17/24 08:59	10/18/24 19:09
410-193116-2	MW-3-F-20241017	Water	10/17/24 09:04	10/18/24 19:09
410-193116-3	MW-5-UF-20241017	Water	10/17/24 09:50	10/18/24 19:09
410-193116-4	MW-5-F-20241017	Water	10/17/24 09:55	10/18/24 19:09
410-193116-5	MW-4-UF-20241017	Water	10/17/24 10:33	10/18/24 19:09
410-193116-6	MW-4-F-20241017	Water	10/17/24 10:38	10/18/24 19:09
410-193116-7	MW-2D-UF-20241017	Water	10/17/24 11:57	10/18/24 19:09
410-193116-8	MW-2D-F-20241017	Water	10/17/24 12:02	10/18/24 19:09
410-193116-9	DUP-UF-20241017	Water	10/17/24 00:00	10/18/24 19:09
410-193116-10	DUP-F-20241017	Water	10/17/24 00:01	10/18/24 19:09
410-193116-11	EB-UF-20241017	Water	10/17/24 10:48	10/18/24 19:09
410-193116-12	EB-F-20241017	Water	10/17/24 10:53	10/18/24 19:09



Chain of Custody Record



Environment Testing

410-193116 Chain of Custody

Client Information						Analysis Requested						
Client: Mr. Brian Taylor Company: Brown and Caldwell Address: 3 Marcus Blvd Suite 106 City: Albany State, Zip: NY, 12205 Phone: 845-901-4229(Tel) Email: BF.Taylor@brwnclad.com Project Name: Bartlett Tree Site, NY Site:						Sampler: Weyandt, Barbara A. E-Mail: Barbara.Weyandt@et.eurofinsus.com Lab PM: Carrier Tracking No(s): COC No.: 410-133393-8178.1 Page 1 of 2 Job #:						
PWSID:												
Due Date Requested:						Preservation Codes: N - None Other:						
TAT Requested (days): Standard												
Compliance Project: Δ Yes Δ No												
PO #: 139990												
WO #:												
Project #: 41003335												
SSOW#:												
Sample Identification						Field Filtered Sample (Yes or No)						
Sample Date						Total Number of containers						
Sample Time						Special Instructions/Note:						
Sample Type (C=Comp, G=grab)						Perform MS/MSD (Yes or No)						
Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)						8081B - TCL OC Pesticides						
Preservation Code:												
Mw-3-uF-20241017 (MS/MSD)	10/17/24	0859	G	FW	X	X	N				6	
Mw-3-F-20241017 (MS/MSD)		0904			X	X	X				6	
Mw-5-uF-20241017		0950									2	
Mw-5-F-20241017		0955			X						2	
Mw-4-uF-20241017		1033					X				1	
Mw-4-F-20241017		1038			X		X				2	
Mw-2A-uF-20241017		1157					X				2	
Mw-2A-F-20241017		1202			X		X				2	
Dup-uF-20241017		1949					X				2	
~~Dup-uF-20241017~~		~~1949~~										
Dup-F-20241017		0001			X	X					2	
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) BC FEWS						Special Instructions/QC Requirements:						
Empty Kit Relinquished by:						Date:						
Relinquished by: Max Moore						Time:						
Relinquished by:						Method of Shipment:						
Relinquished by:						Received by:						
Relinquished by:						Date/Time: 10/18/24 16:00						
Custody Seals Intact: Δ Yes Δ No						Cooler Temperature(s) °C and Other Remarks: 0.5-1.0 / 0.1-0.6						

 eurofins | Environment Testing

Ver: 05/06/2024
10/25/2024

10/25/2024

Login Sample Receipt Checklist

Client: Brown and Caldwell

Job Number: 410-193116-1

Login Number: 193116

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Wrye, Shaun

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Brian F Taylor
Brown and Caldwell
3 Marcus Blvd
Suite 106
Albany, New York 12205

Generated 12/23/2024 5:04:27 PM

JOB DESCRIPTION

Bartlett Tree Site, NY

JOB NUMBER

410-200757-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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12/23/2024 5:04:27 PM

Authorized for release by
Barbara Weyandt, Project Manager
Barbara.Weyandt@et.eurofinsus.com
(717)556-7264

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Barb Weyandt

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Definitions/Glossary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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

Case Narrative

Client: Brown and Caldwell
Project: Bartlett Tree Site, NY

Job ID: 410-200757-1

Job ID: 410-200757-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-200757-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 12/13/2024 5:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions

The COC was missing the stop times. It was also not on the summa tags. Last time these were 8 hr composites for the same IDs, so it was assumed this was also an 8 hr composite.

UPDATE: Client provided stop times on 12/16

IA-1-20241212 end time : 1340

AA-1-20241212 end time: 1343

SV-1-20241212 end time: 1345

SV-1-20241212 (410-200757-1), IA-1-20241212 (410-200757-2) and AA-1-20241212 (410-200757-3)

Air - GC/MS VOA

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

Detection Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: SV-1-20241212

Lab Sample ID: 410-200757-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.4		5.5	0.65	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	12		9.8	1.4	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	6.0	J	9.8	1.6	ug/m3	1		TO-15	Total/NA
2-Butanone	4.3		2.9	0.62	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	1.8	J	4.9	0.88	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone	1.7	J	4.1	0.61	ug/m3	1		TO-15	Total/NA
Acetone	23		12	2.4	ug/m3	1		TO-15	Total/NA
Benzene	1.3	J	3.2	0.35	ug/m3	1		TO-15	Total/NA
Chloroform	4.6	J	4.9	0.45	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	4.7	J	4.9	0.64	ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.2	J	4.3	0.83	ug/m3	1		TO-15	Total/NA
Heptane	1.4	J	4.1	0.94	ug/m3	1		TO-15	Total/NA
Hexane	1.6	J	3.5	1.1	ug/m3	1		TO-15	Total/NA
m&p-Xylene	9.3		4.3	1.1	ug/m3	1		TO-15	Total/NA
Cyclohexane	2.2	J	3.4	0.69	ug/m3	1		TO-15	Total/NA
o-Xylene	4.6		4.3	0.83	ug/m3	1		TO-15	Total/NA
Octane	2.4	J	9.3	1.9	ug/m3	1		TO-15	Total/NA
Pentane	3.0		3.0	0.59	ug/m3	1		TO-15	Total/NA
Toluene	6.3		3.8	1.5	ug/m3	1		TO-15	Total/NA
Trichloroethene	4.7	J	5.4	0.97	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.3	J	5.6	0.84	ug/m3	1		TO-15	Total/NA
Tetrachloroethene - DL	680		27	3.4	ug/m3	2		TO-15	Total/NA

Client Sample ID: IA-1-20241212

Lab Sample ID: 410-200757-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	20		9.8	1.4	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	5.1	J	9.8	1.6	ug/m3	1		TO-15	Total/NA
2-Butanone	3.6		2.9	0.62	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	4.5	J	4.9	0.88	ug/m3	1		TO-15	Total/NA
Acetone	24		12	2.4	ug/m3	1		TO-15	Total/NA
Benzene	6.1		3.2	0.35	ug/m3	1		TO-15	Total/NA
Cumene	2.2	J	4.9	1.2	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.4	J	4.9	0.64	ug/m3	1		TO-15	Total/NA
Ethylbenzene	11		4.3	0.83	ug/m3	1		TO-15	Total/NA
Heptane	7.8		4.1	0.94	ug/m3	1		TO-15	Total/NA
Hexane	16		3.5	1.1	ug/m3	1		TO-15	Total/NA
Isooctane	11		4.7	1.9	ug/m3	1		TO-15	Total/NA
m&p-Xylene	40		4.3	1.1	ug/m3	1		TO-15	Total/NA
Cyclohexane	7.0		3.4	0.69	ug/m3	1		TO-15	Total/NA
Methylene Chloride	1.2	J	6.9	0.87	ug/m3	1		TO-15	Total/NA
o-Xylene	17		4.3	0.83	ug/m3	1		TO-15	Total/NA
Octane	4.6	J	9.3	1.9	ug/m3	1		TO-15	Total/NA
Pentane	24		3.0	0.59	ug/m3	1		TO-15	Total/NA
Styrene	3.1	J	4.3	0.85	ug/m3	1		TO-15	Total/NA
Toluene	39		3.8	1.5	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1	J	5.6	0.84	ug/m3	1		TO-15	Total/NA
Naphthalene	13		10	5.2	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: AA-1-20241212

Lab Sample ID: 410-200757-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.0	J	12	2.4	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.2	J	4.9	0.64	ug/m3	1		TO-15	Total/NA
Pentane	0.88	J	3.0	0.59	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	0.97	J	5.6	0.84	ug/m3	1		TO-15	Total/NA

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: SV-1-20241212

Lab Sample ID: 410-200757-1

Date Collected: 12/12/24 13:40

Matrix: Air

Date Received: 12/13/24 17:40

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 19:41	1
1,1,1-Trichloroethane	9.4		5.5	0.65	ug/m3			12/20/24 19:41	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 19:41	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 19:41	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/20/24 19:41	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/20/24 19:41	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/20/24 19:41	1
1,2,4-Trimethylbenzene	12		9.8	1.4	ug/m3			12/20/24 19:41	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/20/24 19:41	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/20/24 19:41	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/20/24 19:41	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/20/24 19:41	1
1,3,5-Trimethylbenzene	6.0	J	9.8	1.6	ug/m3			12/20/24 19:41	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/20/24 19:41	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 19:41	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 19:41	1
2-Butanone	4.3		2.9	0.62	ug/m3			12/20/24 19:41	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/20/24 19:41	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/20/24 19:41	1
4-Ethyltoluene	1.8	J	4.9	0.88	ug/m3			12/20/24 19:41	1
4-Methyl-2-pentanone	1.7	J	4.1	0.61	ug/m3			12/20/24 19:41	1
Acetone	23		12	2.4	ug/m3			12/20/24 19:41	1
Benzene	3.2	~~1.3~~ J U,RC:2	3.2	0.35	ug/m3			12/20/24 19:41	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/20/24 19:41	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/20/24 19:41	1
Bromoform	ND		10	4.1	ug/m3			12/20/24 19:41	1
Bromomethane	ND		3.9	0.78	ug/m3			12/20/24 19:41	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/20/24 19:41	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/20/24 19:41	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/20/24 19:41	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/20/24 19:41	1
Chloroethane	ND		2.6	0.79	ug/m3			12/20/24 19:41	1
Chloroform	4.6	J	4.9	0.45	ug/m3			12/20/24 19:41	1
Chloromethane	ND		2.1	0.83	ug/m3			12/20/24 19:41	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 19:41	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/20/24 19:41	1
Cumene	ND		4.9	1.2	ug/m3			12/20/24 19:41	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/20/24 19:41	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/20/24 19:41	1
Dichlorodifluoromethane	4.7	J	4.9	0.64	ug/m3			12/20/24 19:41	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/20/24 19:41	1
Ethylbenzene	2.2	J	4.3	0.83	ug/m3			12/20/24 19:41	1
Freon 113	ND		7.7	1.5	ug/m3			12/20/24 19:41	1
Freon-114	ND		7.0	0.84	ug/m3			12/20/24 19:41	1
Heptane	1.4	J	4.1	0.94	ug/m3			12/20/24 19:41	1
Hexachloroethane	ND		19	2.6	ug/m3			12/20/24 19:41	1
Hexane	1.6	J	3.5	1.1	ug/m3			12/20/24 19:41	1
Isooctane	ND		4.7	1.9	ug/m3			12/20/24 19:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: SV-1-20241212

Lab Sample ID: 410-200757-1

Date Collected: 12/12/24 13:40

Matrix: Air

Date Received: 12/13/24 17:40

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	9.3		4.3	1.1	ug/m3			12/20/24 19:41	1
Cyclohexane	2.2	J	3.4	0.69	ug/m3			12/20/24 19:41	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/20/24 19:41	1
Methylene Chloride	ND		6.9	0.87	ug/m3			12/20/24 19:41	1
o-Xylene	4.6		4.3	0.83	ug/m3			12/20/24 19:41	1
Octane	2.4	J	9.3	1.9	ug/m3			12/20/24 19:41	1
Pentane	3.0		3.0	0.59	ug/m3			12/20/24 19:41	1
Styrene	ND		4.3	0.85	ug/m3			12/20/24 19:41	1
Toluene	6.3		3.8	1.5	ug/m3			12/20/24 19:41	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 19:41	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/20/24 19:41	1
Trichloroethene	4.7	J	5.4	0.97	ug/m3			12/20/24 19:41	1
Trichlorofluoromethane	2.3	J	5.6	0.84	ug/m3			12/20/24 19:41	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/20/24 19:41	1
Naphthalene	ND		10	5.2	ug/m3			12/20/24 19:41	1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	680		27	3.4	ug/m3			12/22/24 15:59	2

Client Sample ID: IA-1-20241212

Lab Sample ID: 410-200757-2

Date Collected: 12/12/24 13:43

Matrix: Air

Date Received: 12/13/24 17:40

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 20:31	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 20:31	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 20:31	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 20:31	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/20/24 20:31	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/20/24 20:31	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/20/24 20:31	1
1,2,4-Trimethylbenzene	20		9.8	1.4	ug/m3			12/20/24 20:31	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/20/24 20:31	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/20/24 20:31	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/20/24 20:31	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/20/24 20:31	1
1,3,5-Trimethylbenzene	5.1	J	9.8	1.6	ug/m3			12/20/24 20:31	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/20/24 20:31	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 20:31	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 20:31	1
2-Butanone	3.6		2.9	0.62	ug/m3			12/20/24 20:31	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/20/24 20:31	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/20/24 20:31	1
4-Ethyltoluene	4.5	J	4.9	0.88	ug/m3			12/20/24 20:31	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/20/24 20:31	1
Acetone	24		12	2.4	ug/m3			12/20/24 20:31	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: IA-1-20241212

Lab Sample ID: 410-200757-2

Date Collected: 12/12/24 13:43

Matrix: Air

Date Received: 12/13/24 17:40

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.1		3.2	0.35	ug/m3			12/20/24 20:31	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/20/24 20:31	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/20/24 20:31	1
Bromoform	ND		10	4.1	ug/m3			12/20/24 20:31	1
Bromomethane	ND		3.9	0.78	ug/m3			12/20/24 20:31	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/20/24 20:31	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/20/24 20:31	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/20/24 20:31	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/20/24 20:31	1
Chloroethane	ND		2.6	0.79	ug/m3			12/20/24 20:31	1
Chloroform	ND		4.9	0.45	ug/m3			12/20/24 20:31	1
Chloromethane	ND		2.1	0.83	ug/m3			12/20/24 20:31	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 20:31	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/20/24 20:31	1
Cumene	2.2 J		4.9	1.2	ug/m3			12/20/24 20:31	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/20/24 20:31	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/20/24 20:31	1
Dichlorodifluoromethane	2.4 J		4.9	0.64	ug/m3			12/20/24 20:31	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/20/24 20:31	1
Ethylbenzene	11		4.3	0.83	ug/m3			12/20/24 20:31	1
Freon 113	ND		7.7	1.5	ug/m3			12/20/24 20:31	1
Freon-114	ND		7.0	0.84	ug/m3			12/20/24 20:31	1
Heptane	7.8		4.1	0.94	ug/m3			12/20/24 20:31	1
Hexachloroethane	ND		19	2.6	ug/m3			12/20/24 20:31	1
Hexane	16		3.5	1.1	ug/m3			12/20/24 20:31	1
Isooctane	11		4.7	1.9	ug/m3			12/20/24 20:31	1
m&p-Xylene	40		4.3	1.1	ug/m3			12/20/24 20:31	1
Cyclohexane	7.0		3.4	0.69	ug/m3			12/20/24 20:31	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/20/24 20:31	1
Methylene Chloride	1.2 J		6.9	0.87	ug/m3			12/20/24 20:31	1
o-Xylene	17		4.3	0.83	ug/m3			12/20/24 20:31	1
Octane	4.6 J		9.3	1.9	ug/m3			12/20/24 20:31	1
Pentane	24		3.0	0.59	ug/m3			12/20/24 20:31	1
Styrene	3.1 J		4.3	0.85	ug/m3			12/20/24 20:31	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/20/24 20:31	1
Toluene	39		3.8	1.5	ug/m3			12/20/24 20:31	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 20:31	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/20/24 20:31	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/20/24 20:31	1
Trichlorofluoromethane	1.1 J		5.6	0.84	ug/m3			12/20/24 20:31	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/20/24 20:31	1
Naphthalene	13		10	5.2	ug/m3			12/20/24 20:31	1

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: AA-1-20241212

Lab Sample ID: 410-200757-3

Date Collected: 12/12/24 13:45

Matrix: Air

Date Received: 12/13/24 17:40

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 21:01	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 21:01	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 21:01	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 21:01	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/20/24 21:01	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/20/24 21:01	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/20/24 21:01	1
1,2,4-Trimethylbenzene	ND		9.8	1.4	ug/m3			12/20/24 21:01	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/20/24 21:01	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/20/24 21:01	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/20/24 21:01	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/20/24 21:01	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/20/24 21:01	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/20/24 21:01	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 21:01	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 21:01	1
2-Butanone	ND		2.9	0.62	ug/m3			12/20/24 21:01	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/20/24 21:01	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/20/24 21:01	1
4-Ethyltoluene	ND		4.9	0.88	ug/m3			12/20/24 21:01	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/20/24 21:01	1
Acetone	6.0	J	12	2.4	ug/m3			12/20/24 21:01	1
Benzene	ND		3.2	0.35	ug/m3			12/20/24 21:01	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/20/24 21:01	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/20/24 21:01	1
Bromoform	ND		10	4.1	ug/m3			12/20/24 21:01	1
Bromomethane	ND		3.9	0.78	ug/m3			12/20/24 21:01	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/20/24 21:01	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/20/24 21:01	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/20/24 21:01	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/20/24 21:01	1
Chloroethane	ND		2.6	0.79	ug/m3			12/20/24 21:01	1
Chloroform	ND		4.9	0.45	ug/m3			12/20/24 21:01	1
Chloromethane	ND		2.1	0.83	ug/m3			12/20/24 21:01	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 21:01	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/20/24 21:01	1
Cumene	ND		4.9	1.2	ug/m3			12/20/24 21:01	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/20/24 21:01	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/20/24 21:01	1
Dichlorodifluoromethane	2.2	J	4.9	0.64	ug/m3			12/20/24 21:01	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/20/24 21:01	1
Ethylbenzene	ND		4.3	0.83	ug/m3			12/20/24 21:01	1
Freon 113	ND		7.7	1.5	ug/m3			12/20/24 21:01	1
Freon-114	ND		7.0	0.84	ug/m3			12/20/24 21:01	1
Heptane	ND		4.1	0.94	ug/m3			12/20/24 21:01	1
Hexachloroethane	ND		19	2.6	ug/m3			12/20/24 21:01	1
Hexane	ND		3.5	1.1	ug/m3			12/20/24 21:01	1
Isooctane	ND		4.7	1.9	ug/m3			12/20/24 21:01	1

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: AA-1-20241212

Lab Sample ID: 410-200757-3

Date Collected: 12/12/24 13:45

Matrix: Air

Date Received: 12/13/24 17:40

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		4.3	1.1	ug/m3			12/20/24 21:01	1
Cyclohexane	ND		3.4	0.69	ug/m3			12/20/24 21:01	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/20/24 21:01	1
Methylene Chloride	ND		6.9	0.87	ug/m3			12/20/24 21:01	1
o-Xylene	ND		4.3	0.83	ug/m3			12/20/24 21:01	1
Octane	ND		9.3	1.9	ug/m3			12/20/24 21:01	1
Pentane	0.88	J	3.0	0.59	ug/m3			12/20/24 21:01	1
Styrene	ND		4.3	0.85	ug/m3			12/20/24 21:01	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/20/24 21:01	1
Toluene	ND		3.8	1.5	ug/m3			12/20/24 21:01	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 21:01	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/20/24 21:01	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/20/24 21:01	1
Trichlorofluoromethane	0.97	J	5.6	0.84	ug/m3			12/20/24 21:01	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/20/24 21:01	1
Naphthalene	ND		10	5.2	ug/m3			12/20/24 21:01	1

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 410-588683/8

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 14:26	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 14:26	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/20/24 14:26	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/20/24 14:26	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/20/24 14:26	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/20/24 14:26	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/20/24 14:26	1
1,2,4-Trimethylbenzene	ND		9.8	1.4	ug/m3			12/20/24 14:26	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/20/24 14:26	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/20/24 14:26	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/20/24 14:26	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/20/24 14:26	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/20/24 14:26	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/20/24 14:26	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 14:26	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/20/24 14:26	1
2-Butanone	ND		2.9	0.62	ug/m3			12/20/24 14:26	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/20/24 14:26	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/20/24 14:26	1
4-Ethyltoluene	ND		4.9	0.88	ug/m3			12/20/24 14:26	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/20/24 14:26	1
Acetone	ND		12	2.4	ug/m3			12/20/24 14:26	1
Benzene	ND		3.2	0.35	ug/m3			12/20/24 14:26	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/20/24 14:26	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/20/24 14:26	1
Bromoform	ND		10	4.1	ug/m3			12/20/24 14:26	1
Bromomethane	ND		3.9	0.78	ug/m3			12/20/24 14:26	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/20/24 14:26	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/20/24 14:26	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/20/24 14:26	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/20/24 14:26	1
Chloroethane	ND		2.6	0.79	ug/m3			12/20/24 14:26	1
Chloroform	ND		4.9	0.45	ug/m3			12/20/24 14:26	1
Chloromethane	ND		2.1	0.83	ug/m3			12/20/24 14:26	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 14:26	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/20/24 14:26	1
Cumene	ND		4.9	1.2	ug/m3			12/20/24 14:26	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/20/24 14:26	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/20/24 14:26	1
Dichlorodifluoromethane	ND		4.9	0.64	ug/m3			12/20/24 14:26	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/20/24 14:26	1
Ethylbenzene	ND		4.3	0.83	ug/m3			12/20/24 14:26	1
Freon 113	ND		7.7	1.5	ug/m3			12/20/24 14:26	1
Freon-114	ND		7.0	0.84	ug/m3			12/20/24 14:26	1
Heptane	ND		4.1	0.94	ug/m3			12/20/24 14:26	1
Hexachloroethane	ND		19	2.6	ug/m3			12/20/24 14:26	1
Hexane	ND		3.5	1.1	ug/m3			12/20/24 14:26	1
Isooctane	ND		4.7	1.9	ug/m3			12/20/24 14:26	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 410-588683/8

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
m&p-Xylene	ND		4.3	1.1	ug/m3			12/20/24 14:26	1
Cyclohexane	ND		3.4	0.69	ug/m3			12/20/24 14:26	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/20/24 14:26	1
Methylene Chloride	ND		6.9	0.87	ug/m3			12/20/24 14:26	1
o-Xylene	ND		4.3	0.83	ug/m3			12/20/24 14:26	1
Octane	ND		9.3	1.9	ug/m3			12/20/24 14:26	1
Pentane	ND		3.0	0.59	ug/m3			12/20/24 14:26	1
Styrene	ND		4.3	0.85	ug/m3			12/20/24 14:26	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/20/24 14:26	1
Toluene	ND		3.8	1.5	ug/m3			12/20/24 14:26	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/20/24 14:26	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/20/24 14:26	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/20/24 14:26	1
Trichlorofluoromethane	ND		5.6	0.84	ug/m3			12/20/24 14:26	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/20/24 14:26	1
Naphthalene	ND		10	5.2	ug/m3			12/20/24 14:26	1

Lab Sample ID: LCS 410-588683/5

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	68.6	66.1		ug/m3		96	70 - 133
1,1,1-Trichloroethane	54.6	56.4		ug/m3		103	70 - 130
1,1,2,2-Tetrachloroethane	68.7	65.2		ug/m3		95	61 - 130
1,1,2-Trichloroethane	54.6	53.1		ug/m3		97	70 - 130
1,1-Dichloroethane	40.5	41.9		ug/m3		104	70 - 130
1,1-Dichloroethene	39.6	41.1		ug/m3		104	70 - 131
1,2,3-Trichloropropane	60.3	60.5		ug/m3		100	70 - 130
1,2,4-Trimethylbenzene	49.2	52.5		ug/m3		107	65 - 146
1,2-Dibromoethane	76.8	75.0		ug/m3		98	70 - 130
1,2-Dichlorobenzene	60.1	59.0		ug/m3		98	61 - 139
1,2-Dichloroethane	40.5	38.4		ug/m3		95	70 - 131
1,2-Dichloropropane	46.2	46.2		ug/m3		100	70 - 130
1,3,5-Trimethylbenzene	49.2	51.2		ug/m3		104	69 - 141
1,3-Butadiene	22.1	22.3		ug/m3		101	70 - 131
1,3-Dichlorobenzene	60.1	58.9		ug/m3		98	64 - 140
1,4-Dichlorobenzene	60.1	59.4		ug/m3		99	64 - 137
2-Butanone	29.5	32.1		ug/m3		109	70 - 130
2-Hexanone	41.0	33.3		ug/m3		81	63 - 130
3-Chloroprene	31.3	32.0		ug/m3		102	70 - 137
4-Ethyltoluene	49.2	50.6		ug/m3		103	69 - 139
4-Methyl-2-pentanone	41.0	34.0		ug/m3		83	68 - 133
Acetone	23.8	24.5		ug/m3		103	70 - 137
Benzene	31.9	31.8		ug/m3		99	70 - 130
Bromobenzene	64.2	60.1		ug/m3		94	70 - 130
Bromodichloromethane	67.0	62.1		ug/m3		93	70 - 130
Bromoform	103	93.1		ug/m3		90	60 - 139
Bromomethane	38.8	44.4		ug/m3		114	70 - 134

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 410-588683/5

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	31.1	31.6		ug/m3		101	70 - 130
Carbon tetrachloride	62.9	63.2		ug/m3		100	70 - 130
Chlorobenzene	46.0	42.9		ug/m3		93	70 - 130
Chlorodifluoromethane	35.4	36.1		ug/m3		102	70 - 141
Chloroethane	26.4	28.9		ug/m3		109	70 - 131
Chloroform	48.8	48.3		ug/m3		99	70 - 130
Chloromethane	20.7	20.3		ug/m3		98	51 - 138
cis-1,2-Dichloroethene	39.6	41.2		ug/m3		104	70 - 130
cis-1,3-Dichloropropene	45.4	41.5		ug/m3		91	70 - 130
Cumene	49.2	51.7		ug/m3		105	70 - 131
Dibromochloromethane	85.2	80.2		ug/m3		94	70 - 130
Dibromomethane	71.1	66.2		ug/m3		93	70 - 130
Dichlorodifluoromethane	49.5	50.1		ug/m3		101	70 - 131
Dichlorofluoromethane	42.1	46.5		ug/m3		111	70 - 136
Ethylbenzene	43.4	43.2		ug/m3		99	70 - 130
Freon 113	76.6	81.3		ug/m3		106	70 - 130
Freon-114	69.9	73.0		ug/m3		104	70 - 130
Heptane	41.0	39.4		ug/m3		96	70 - 130
Hexachloroethane	96.8	88.0		ug/m3		91	38 - 163
Hexane	35.2	40.3		ug/m3		114	70 - 130
Isooctane	46.7	43.3		ug/m3		93	70 - 130
m&p-Xylene	43.4	43.3		ug/m3		100	70 - 130
Cyclohexane	34.4	37.3		ug/m3		108	70 - 130
Methyl t-butyl ether	36.1	36.3		ug/m3		101	70 - 130
Methylene Chloride	34.7	38.3		ug/m3		110	70 - 130
o-Xylene	43.4	42.6		ug/m3		98	70 - 130
Octane	46.7	44.0		ug/m3		94	70 - 130
Pentane	29.5	29.2		ug/m3		99	58 - 130
Styrene	42.6	42.9		ug/m3		101	70 - 133
Tetrachloroethene	67.8	65.0		ug/m3		96	70 - 130
Toluene	37.7	36.7		ug/m3		97	70 - 130
trans-1,2-Dichloroethene	39.6	40.4		ug/m3		102	70 - 130
trans-1,3-Dichloropropene	45.4	43.7		ug/m3		96	70 - 130
Trichloroethene	53.7	51.4		ug/m3		96	70 - 130
Trichlorofluoromethane	56.2	56.6		ug/m3		101	70 - 130
Vinyl chloride	25.6	28.0		ug/m3		109	70 - 135
Naphthalene	59.2	51.9		ug/m3		88	33 - 149

Lab Sample ID: LCSD 410-588683/6

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	68.6	63.9		ug/m3		93	70 - 133	3	25
1,1,1-Trichloroethane	54.6	56.4		ug/m3		103	70 - 130	0	25
1,1,2,2-Tetrachloroethane	68.7	63.5		ug/m3		92	61 - 130	3	25
1,1,2-Trichloroethane	54.6	51.7		ug/m3		95	70 - 130	3	25
1,1-Dichloroethane	40.5	43.5		ug/m3		108	70 - 130	4	25
1,1-Dichloroethene	39.6	42.1		ug/m3		106	70 - 131	2	25

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 410-588683/6

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,3-Trichloropropane	60.3	60.0		ug/m3		99	70 - 130	1	25
1,2,4-Trimethylbenzene	49.2	52.4		ug/m3		107	65 - 146	0	25
1,2-Dibromoethane	76.8	75.7		ug/m3		99	70 - 130	1	25
1,2-Dichlorobenzene	60.1	58.0		ug/m3		96	61 - 139	2	25
1,2-Dichloroethane	40.5	39.7		ug/m3		98	70 - 131	3	25
1,2-Dichloropropane	46.2	46.5		ug/m3		101	70 - 130	1	25
1,3,5-Trimethylbenzene	49.2	50.9		ug/m3		104	69 - 141	1	25
1,3-Butadiene	22.1	22.5		ug/m3		102	70 - 131	1	25
1,3-Dichlorobenzene	60.1	58.1		ug/m3		97	64 - 140	1	25
1,4-Dichlorobenzene	60.1	58.5		ug/m3		97	64 - 137	2	25
2-Butanone	29.5	33.8		ug/m3		114	70 - 130	5	25
2-Hexanone	41.0	32.6		ug/m3		79	63 - 130	2	25
3-Chloroprene	31.3	32.0		ug/m3		102	70 - 137	0	25
4-Ethyltoluene	49.2	51.5		ug/m3		105	69 - 139	2	25
4-Methyl-2-pentanone	41.0	35.1		ug/m3		86	68 - 133	3	25
Acetone	23.8	24.9		ug/m3		105	70 - 137	2	25
Benzene	31.9	32.2		ug/m3		101	70 - 130	1	25
Bromobenzene	64.2	61.0		ug/m3		95	70 - 130	2	25
Bromodichloromethane	67.0	62.4		ug/m3		93	70 - 130	0	25
Bromoform	103	93.7		ug/m3		91	60 - 139	1	25
Bromomethane	38.8	44.4		ug/m3		114	70 - 134	0	25
Carbon disulfide	31.1	33.0		ug/m3		106	70 - 130	4	25
Carbon tetrachloride	62.9	65.1		ug/m3		103	70 - 130	3	25
Chlorobenzene	46.0	43.2		ug/m3		94	70 - 130	1	25
Chlorodifluoromethane	35.4	37.8		ug/m3		107	70 - 141	4	25
Chloroethane	26.4	29.8		ug/m3		113	70 - 131	3	25
Chloroform	48.8	50.0		ug/m3		102	70 - 130	4	25
Chloromethane	20.7	20.6		ug/m3		100	51 - 138	1	25
cis-1,2-Dichloroethene	39.6	40.6		ug/m3		102	70 - 130	1	25
cis-1,3-Dichloropropene	45.4	42.9		ug/m3		94	70 - 130	3	25
Cumene	49.2	51.1		ug/m3		104	70 - 131	1	25
Dibromochloromethane	85.2	80.2		ug/m3		94	70 - 130	0	25
Dibromomethane	71.1	69.1		ug/m3		97	70 - 130	4	25
Dichlorodifluoromethane	49.5	52.1		ug/m3		105	70 - 131	4	25
Dichlorofluoromethane	42.1	46.8		ug/m3		111	70 - 136	1	25
Ethylbenzene	43.4	42.4		ug/m3		98	70 - 130	2	25
Freon 113	76.6	81.0		ug/m3		106	70 - 130	0	25
Freon-114	69.9	73.0		ug/m3		104	70 - 130	0	25
Heptane	41.0	40.9		ug/m3		100	70 - 130	4	25
Hexachloroethane	96.8	85.2		ug/m3		88	38 - 163	3	25
Hexane	35.2	39.4		ug/m3		112	70 - 130	2	25
Isooctane	46.7	44.2		ug/m3		95	70 - 130	2	25
m&p-Xylene	43.4	42.9		ug/m3		99	70 - 130	1	25
Cyclohexane	34.4	37.6		ug/m3		109	70 - 130	1	25
Methyl t-butyl ether	36.1	37.9		ug/m3		105	70 - 130	4	25
Methylene Chloride	34.7	38.6		ug/m3		111	70 - 130	1	25
o-Xylene	43.4	42.8		ug/m3		99	70 - 130	1	25
Octane	46.7	45.1		ug/m3		96	70 - 130	2	25
Pentane	29.5	29.2		ug/m3		99	58 - 130	0	25

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 410-588683/6

Matrix: Air

Analysis Batch: 588683

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	RPD Limit
Styrene	42.6	41.9		ug/m3		98	70 - 133		2	25
Tetrachloroethene	67.8	64.9		ug/m3		96	70 - 130		0	25
Toluene	37.7	36.5		ug/m3		97	70 - 130		1	25
trans-1,2-Dichloroethene	39.6	41.8		ug/m3		105	70 - 130		3	25
trans-1,3-Dichloropropene	45.4	45.0		ug/m3		99	70 - 130		3	25
Trichloroethene	53.7	52.4		ug/m3		97	70 - 130		2	25
Trichlorofluoromethane	56.2	58.3		ug/m3		104	70 - 130		3	25
Vinyl chloride	25.6	28.8		ug/m3		113	70 - 135		3	25
Naphthalene	59.2	52.9		ug/m3		89	33 - 149		2	25

Lab Sample ID: MB 410-589148/8

Matrix: Air

Analysis Batch: 589148

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/22/24 11:54	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/22/24 11:54	1
1,1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/22/24 11:54	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/22/24 11:54	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/22/24 11:54	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/22/24 11:54	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/22/24 11:54	1
1,2,4-Trimethylbenzene	ND		9.8	1.4	ug/m3			12/22/24 11:54	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/22/24 11:54	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/22/24 11:54	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/22/24 11:54	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/22/24 11:54	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/22/24 11:54	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/22/24 11:54	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/22/24 11:54	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/22/24 11:54	1
2-Butanone	ND		2.9	0.62	ug/m3			12/22/24 11:54	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/22/24 11:54	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/22/24 11:54	1
4-Ethyltoluene	ND		4.9	0.88	ug/m3			12/22/24 11:54	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/22/24 11:54	1
Acetone	ND		12	2.4	ug/m3			12/22/24 11:54	1
Benzene	ND		3.2	0.35	ug/m3			12/22/24 11:54	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/22/24 11:54	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/22/24 11:54	1
Bromoform	ND		10	4.1	ug/m3			12/22/24 11:54	1
Bromomethane	ND		3.9	0.78	ug/m3			12/22/24 11:54	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/22/24 11:54	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/22/24 11:54	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/22/24 11:54	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/22/24 11:54	1
Chloroethane	ND		2.6	0.79	ug/m3			12/22/24 11:54	1
Chloroform	ND		4.9	0.45	ug/m3			12/22/24 11:54	1
Chloromethane	ND		2.1	0.83	ug/m3			12/22/24 11:54	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 410-589148/8

Matrix: Air

Analysis Batch: 589148

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		4.0	0.79	ug/m3			12/22/24 11:54	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/22/24 11:54	1
Cumene	ND		4.9	1.2	ug/m3			12/22/24 11:54	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/22/24 11:54	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/22/24 11:54	1
Dichlorodifluoromethane	ND		4.9	0.64	ug/m3			12/22/24 11:54	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/22/24 11:54	1
Ethylbenzene	ND		4.3	0.83	ug/m3			12/22/24 11:54	1
Freon 113	ND		7.7	1.5	ug/m3			12/22/24 11:54	1
Freon-114	ND		7.0	0.84	ug/m3			12/22/24 11:54	1
Heptane	ND		4.1	0.94	ug/m3			12/22/24 11:54	1
Hexachloroethane	ND		19	2.6	ug/m3			12/22/24 11:54	1
Hexane	ND		3.5	1.1	ug/m3			12/22/24 11:54	1
Isooctane	ND		4.7	1.9	ug/m3			12/22/24 11:54	1
m&p-Xylene	ND		4.3	1.1	ug/m3			12/22/24 11:54	1
Cyclohexane	ND		3.4	0.69	ug/m3			12/22/24 11:54	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/22/24 11:54	1
Methylene Chloride	ND		6.9	0.87	ug/m3			12/22/24 11:54	1
o-Xylene	ND		4.3	0.83	ug/m3			12/22/24 11:54	1
Octane	ND		9.3	1.9	ug/m3			12/22/24 11:54	1
Pentane	ND		3.0	0.59	ug/m3			12/22/24 11:54	1
Styrene	ND		4.3	0.85	ug/m3			12/22/24 11:54	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/22/24 11:54	1
Toluene	ND		3.8	1.5	ug/m3			12/22/24 11:54	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/22/24 11:54	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/22/24 11:54	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/22/24 11:54	1
Trichlorofluoromethane	ND		5.6	0.84	ug/m3			12/22/24 11:54	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/22/24 11:54	1
Napthalene	ND		10	5.2	ug/m3			12/22/24 11:54	1

Lab Sample ID: LCS 410-589148/5

Matrix: Air

Analysis Batch: 589148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	68.6	68.2		ug/m3		99	70 - 133
1,1,1-Trichloroethane	54.6	66.7		ug/m3		122	70 - 130
1,1,2,2-Tetrachloroethane	68.7	67.1		ug/m3		98	61 - 130
1,1,2-Trichloroethane	54.6	57.1		ug/m3		105	70 - 130
1,1-Dichloroethane	40.5	48.7		ug/m3		120	70 - 130
1,1-Dichloroethene	39.6	48.8		ug/m3		123	70 - 131
1,2,3-Trichloropropane	60.3	63.5		ug/m3		105	70 - 130
1,2,4-Trimethylbenzene	49.2	56.2		ug/m3		114	65 - 146
1,2-Dibromoethane	76.8	80.7		ug/m3		105	70 - 130
1,2-Dichlorobenzene	60.1	59.5		ug/m3		99	61 - 139
1,2-Dichloroethane	40.5	44.0		ug/m3		109	70 - 131
1,2-Dichloropropane	46.2	52.0		ug/m3		113	70 - 130
1,3,5-Trimethylbenzene	49.2	55.6		ug/m3		113	69 - 141

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 410-589148/5

Matrix: Air

Analysis Batch: 589148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Butadiene	22.1	26.7		ug/m3		121	70 - 131
1,3-Dichlorobenzene	60.1	60.5		ug/m3		101	64 - 140
1,4-Dichlorobenzene	60.1	61.2		ug/m3		102	64 - 137
2-Butanone	29.5	37.5		ug/m3		127	70 - 130
2-Hexanone	41.0	37.7		ug/m3		92	63 - 130
3-Chloroprene	31.3	37.1		ug/m3		119	70 - 137
4-Ethyltoluene	49.2	55.8		ug/m3		113	69 - 139
4-Methyl-2-pentanone	41.0	37.4		ug/m3		91	68 - 133
Acetone	23.8	27.7		ug/m3		117	70 - 137
Benzene	31.9	34.9		ug/m3		109	70 - 130
Bromobenzene	64.2	65.2		ug/m3		102	70 - 130
Bromodichloromethane	67.0	66.3		ug/m3		99	70 - 130
Bromoform	103	88.0		ug/m3		85	60 - 139
Bromomethane	38.8	51.6		ug/m3		133	70 - 134
Carbon disulfide	31.1	37.3		ug/m3		120	70 - 130
Carbon tetrachloride	62.9	74.2		ug/m3		118	70 - 130
Chlorobenzene	46.0	46.4		ug/m3		101	70 - 130
Chlorodifluoromethane	35.4	45.0		ug/m3		127	70 - 141
Chloroethane	26.4	33.9		ug/m3		128	70 - 131
Chloroform	48.8	56.8		ug/m3		116	70 - 130
Chloromethane	20.7	25.8		ug/m3		125	51 - 138
cis-1,2-Dichloroethene	39.6	46.8		ug/m3		118	70 - 130
cis-1,3-Dichloropropene	45.4	44.8		ug/m3		99	70 - 130
Cumene	49.2	60.4		ug/m3		123	70 - 131
Dibromochloromethane	85.2	80.9		ug/m3		95	70 - 130
Dibromomethane	71.1	73.9		ug/m3		104	70 - 130
Dichlorodifluoromethane	49.5	62.9		ug/m3		127	70 - 131
Dichlorofluoromethane	42.1	54.5		ug/m3		130	70 - 136
Ethylbenzene	43.4	45.6		ug/m3		105	70 - 130
Freon 113	76.6	94.3		ug/m3		123	70 - 130
Freon-114	69.9	87.7		ug/m3		125	70 - 130
Heptane	41.0	45.1		ug/m3		110	70 - 130
Hexachloroethane	96.8	97.1		ug/m3		100	38 - 163
Hexane	35.2	46.3	*+	ug/m3		131	70 - 130
Isooctane	46.7	47.4		ug/m3		101	70 - 130
m&p-Xylene	43.4	45.1		ug/m3		104	70 - 130
Cyclohexane	34.4	43.4		ug/m3		126	70 - 130
Methyl t-butyl ether	36.1	42.3		ug/m3		117	70 - 130
Methylene Chloride	34.7	44.5		ug/m3		128	70 - 130
o-Xylene	43.4	45.9		ug/m3		106	70 - 130
Octane	46.7	49.4		ug/m3		106	70 - 130
Pentane	29.5	32.0		ug/m3		109	58 - 130
Styrene	42.6	42.7		ug/m3		100	70 - 133
Tetrachloroethene	67.8	70.0		ug/m3		103	70 - 130
Toluene	37.7	40.3		ug/m3		107	70 - 130
trans-1,2-Dichloroethene	39.6	47.9		ug/m3		121	70 - 130
trans-1,3-Dichloropropene	45.4	48.6		ug/m3		107	70 - 130
Trichloroethene	53.7	54.6		ug/m3		102	70 - 130
Trichlorofluoromethane	56.2	68.3		ug/m3		122	70 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 410-589148/5

Matrix: Air

Analysis Batch: 589148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	25.6	34.8	*+	ug/m3		136	70 - 135
Naphthalene	59.2	49.9		ug/m3		84	33 - 149

Lab Sample ID: LCSD 410-589148/6

Matrix: Air

Analysis Batch: 589148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	68.6	71.4		ug/m3		104	70 - 133	5	25
1,1,1-Trichloroethane	54.6	64.8		ug/m3		119	70 - 130	3	25
1,1,2,2-Tetrachloroethane	68.7	64.9		ug/m3		95	61 - 130	3	25
1,1,2-Trichloroethane	54.6	58.0		ug/m3		106	70 - 130	1	25
1,1-Dichloroethane	40.5	48.0		ug/m3		119	70 - 130	1	25
1,1-Dichloroethene	39.6	47.6		ug/m3		120	70 - 131	3	25
1,2,3-Trichloropropane	60.3	64.3		ug/m3		107	70 - 130	1	25
1,2,4-Trimethylbenzene	49.2	56.6		ug/m3		115	65 - 146	1	25
1,2-Dibromoethane	76.8	81.1		ug/m3		106	70 - 130	1	25
1,2-Dichlorobenzene	60.1	59.0		ug/m3		98	61 - 139	1	25
1,2-Dichloroethane	40.5	42.3		ug/m3		105	70 - 131	4	25
1,2-Dichloropropane	46.2	49.8		ug/m3		108	70 - 130	4	25
1,3,5-Trimethylbenzene	49.2	55.0		ug/m3		112	69 - 141	1	25
1,3-Butadiene	22.1	26.3		ug/m3		119	70 - 131	2	25
1,3-Dichlorobenzene	60.1	60.4		ug/m3		100	64 - 140	0	25
1,4-Dichlorobenzene	60.1	59.2		ug/m3		99	64 - 137	3	25
2-Butanone	29.5	35.0		ug/m3		119	70 - 130	7	25
2-Hexanone	41.0	37.3		ug/m3		91	63 - 130	1	25
3-Chloroprene	31.3	36.4		ug/m3		116	70 - 137	2	25
4-Ethyltoluene	49.2	55.2		ug/m3		112	69 - 139	1	25
4-Methyl-2-pentanone	41.0	38.2		ug/m3		93	68 - 133	2	25
Acetone	23.8	27.1		ug/m3		114	70 - 137	2	25
Benzene	31.9	35.4		ug/m3		111	70 - 130	1	25
Bromobenzene	64.2	64.2		ug/m3		100	70 - 130	2	25
Bromodichloromethane	67.0	66.1		ug/m3		99	70 - 130	0	25
Bromoform	103	88.2		ug/m3		85	60 - 139	0	25
Bromomethane	38.8	51.6		ug/m3		133	70 - 134	0	25
Carbon disulfide	31.1	36.5		ug/m3		117	70 - 130	2	25
Carbon tetrachloride	62.9	72.3		ug/m3		115	70 - 130	3	25
Chlorobenzene	46.0	46.8		ug/m3		102	70 - 130	1	25
Chlorodifluoromethane	35.4	44.1		ug/m3		125	70 - 141	2	25
Chloroethane	26.4	32.9		ug/m3		125	70 - 131	3	25
Chloroform	48.8	54.4		ug/m3		111	70 - 130	4	25
Chloromethane	20.7	24.2		ug/m3		117	51 - 138	7	25
cis-1,2-Dichloroethene	39.6	47.3		ug/m3		119	70 - 130	1	25
cis-1,3-Dichloropropene	45.4	45.6		ug/m3		100	70 - 130	2	25
Cumene	49.2	58.3		ug/m3		119	70 - 131	4	25
Dibromochloromethane	85.2	80.8		ug/m3		95	70 - 130	0	25
Dibromomethane	71.1	72.4		ug/m3		102	70 - 130	2	25
Dichlorodifluoromethane	49.5	60.6		ug/m3		123	70 - 131	4	25
Dichlorofluoromethane	42.1	52.4		ug/m3		124	70 - 136	4	25

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 410-589148/6

Matrix: Air

Analysis Batch: 589148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	43.4	46.6		ug/m3		107	70 - 130	2	25
Freon 113	76.6	93.6		ug/m3		122	70 - 130	1	25
Freon-114	69.9	86.5		ug/m3		124	70 - 130	1	25
Heptane	41.0	45.4		ug/m3		111	70 - 130	1	25
Hexachloroethane	96.8	98.2		ug/m3		101	38 - 163	1	25
Hexane	35.2	43.9		ug/m3		124	70 - 130	5	25
Isooctane	46.7	47.7		ug/m3		102	70 - 130	1	25
m&p-Xylene	43.4	45.5		ug/m3		105	70 - 130	1	25
Cyclohexane	34.4	42.4		ug/m3		123	70 - 130	2	25
Methyl t-butyl ether	36.1	42.6		ug/m3		118	70 - 130	1	25
Methylene Chloride	34.7	44.0		ug/m3		127	70 - 130	1	25
o-Xylene	43.4	46.2		ug/m3		107	70 - 130	1	25
Octane	46.7	50.3		ug/m3		108	70 - 130	2	25
Pentane	29.5	33.3		ug/m3		113	58 - 130	4	25
Styrene	42.6	42.9		ug/m3		101	70 - 133	0	25
Tetrachloroethene	67.8	70.3		ug/m3		104	70 - 130	0	25
Toluene	37.7	40.0		ug/m3		106	70 - 130	1	25
trans-1,2-Dichloroethene	39.6	45.5		ug/m3		115	70 - 130	5	25
trans-1,3-Dichloropropene	45.4	49.3		ug/m3		109	70 - 130	2	25
Trichloroethene	53.7	55.1		ug/m3		103	70 - 130	1	25
Trichlorofluoromethane	56.2	65.8		ug/m3		117	70 - 130	4	25
Vinyl chloride	25.6	33.8		ug/m3		132	70 - 135	3	25
Naphthalene	59.2	51.9		ug/m3		88	33 - 149	4	25

QC Association Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Air - GC/MS VOA

Analysis Batch: 588683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-200757-1	SV-1-20241212	Total/NA	Air	TO-15	
410-200757-2	IA-1-20241212	Total/NA	Air	TO-15	
410-200757-3	AA-1-20241212	Total/NA	Air	TO-15	
MB 410-588683/8	Method Blank	Total/NA	Air	TO-15	
LCS 410-588683/5	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 410-588683/6	Lab Control Sample Dup	Total/NA	Air	TO-15	

Analysis Batch: 589148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-200757-1 - DL	SV-1-20241212	Total/NA	Air	TO-15	
MB 410-589148/8	Method Blank	Total/NA	Air	TO-15	
LCS 410-589148/5	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 410-589148/6	Lab Control Sample Dup	Total/NA	Air	TO-15	

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Client Sample ID: SV-1-20241212
Date Collected: 12/12/24 13:40
Date Received: 12/13/24 17:40

Lab Sample ID: 410-200757-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	588683	D7UM	ELLE	12/20/24 19:41
Total/NA	Analysis	TO-15	DL	2	589148	D7UM	ELLE	12/22/24 15:59

Client Sample ID: IA-1-20241212
Date Collected: 12/12/24 13:43
Date Received: 12/13/24 17:40

Lab Sample ID: 410-200757-2
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	588683	D7UM	ELLE	12/20/24 20:31

Client Sample ID: AA-1-20241212
Date Collected: 12/12/24 13:45
Date Received: 12/13/24 17:40

Lab Sample ID: 410-200757-3
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	588683	D7UM	ELLE	12/20/24 21:01

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	1,1,1,2-Tetrachloroethane
TO-15		Air	1,2,3-Trichloropropane
TO-15		Air	2-Hexanone
TO-15		Air	4-Ethyltoluene
TO-15		Air	Bromobenzene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	Dibromomethane
TO-15		Air	Dichlorofluoromethane
TO-15		Air	Octane
TO-15		Air	Pentane

Method Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job ID: 410-200757-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-200757-1	SV-1-20241212	Air	12/12/24 13:40	12/13/24 17:40	Air Canister (6-Liter) #1034
410-200757-2	IA-1-20241212	Air	12/12/24 13:43	12/13/24 17:40	Air Canister (6-Liter) #1649
410-200757-3	AA-1-20241212	Air	12/12/24 13:45	12/13/24 17:40	Air Canister (6-Liter) #1443

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



Login Sample Receipt Checklist

Client: Brown and Caldwell

Job Number: 410-200757-1

Login Number: 200757

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Kanagy, Nicholas

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	N/A	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	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.	N/A	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Summa Canister Dilution Worksheet

Client: Brown and Caldwell
Project/Site: Bartlett Tree Site, NY

Job No.: 410-200757-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
410-200757-1	6	-8	0.73	4.40	6.8	1.46	8.78		2.00	2.00		12/20/24 14:11	D7UM
410-200757-2	6	-11.6	0.61	3.67	7.8	1.53	9.18		2.50	2.50		12/20/24 14:12	D7UM
410-200757-3	6	-12.6	0.58	3.47	6.6	1.45	8.69		2.50	2.50		12/20/24 14:12	D7UM

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg

Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig) * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1436	Lab Sample ID: 410-186273-1
Matrix: Air	Lab File ID: 5G29X09.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 13:43
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	0.35	J	1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1436	Lab Sample ID: 410-186273-1
Matrix: Air	Lab File ID: 5G29X09.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 13:43
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 410-186273-1

SDG No.:

Client Sample ID: 1436

Lab Sample ID: 410-186273-1

Matrix: Air

Lab File ID: 5G29X09.D

Analysis Method: TO-15

Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL)

Date Analyzed: 08/29/2024 13:43

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume:

Heated Purge: (Y/N) pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 545860

Units: ppb v/v

Preparation Batch No.:

Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

SDG No.:

Client Sample ID: 1436 Lab Sample ID: 410-186273-1

Matrix: Air Lab File ID: 5G29X09.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 13:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D
Lims ID: 410-186273-A-1
Client ID: 1436
Sample Type: Client
Inject. Date: 29-Aug-2024 13:43:04 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1436
Misc. Info.: 410-0123593-009
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date:

29-Aug-2024 14:31:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.386	3.393	0.007	97	7276	0.6506	
* 39 Chlorobromomethane (IS)	130	5.306	5.306	0.000	75	75345	10.0	
46 Benzene	78	5.821	5.828	0.000	91	9815	0.3547	
* 51 1,4-Difluorobenzene	114	6.129	6.129	0.000	91	207783	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	269061	10.0	
73 Chlorobenzene	112	8.350	8.350	0.000	93	4986	0.1210	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:14

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D

Injection Date: 29-Aug-2024 13:43:04

Instrument ID: HP22820

Lims ID: 410-186273-A-1

Lab Sample ID: 410-186273-1

Client ID: 1436

Operator ID: bcb85445

ALS Bottle#: 0 Worklist Smp#: 9

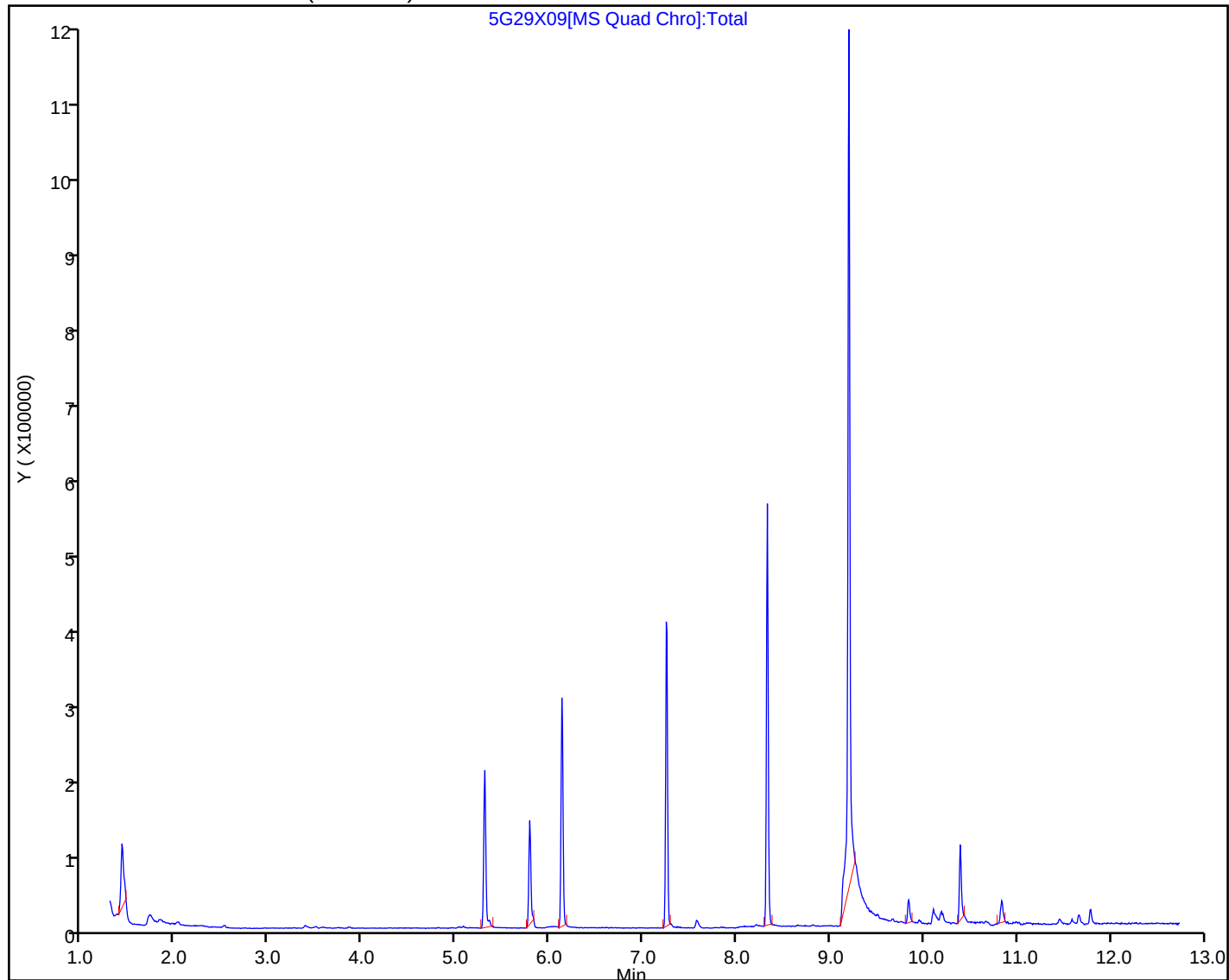
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D

Injection Date: 29-Aug-2024 13:43:04

Instrument ID: HP22820

Lims ID: 410-186273-A-1

Lab Sample ID: 410-186273-1

Client ID: 1436

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 9

Purge Vol: 200.000 mL

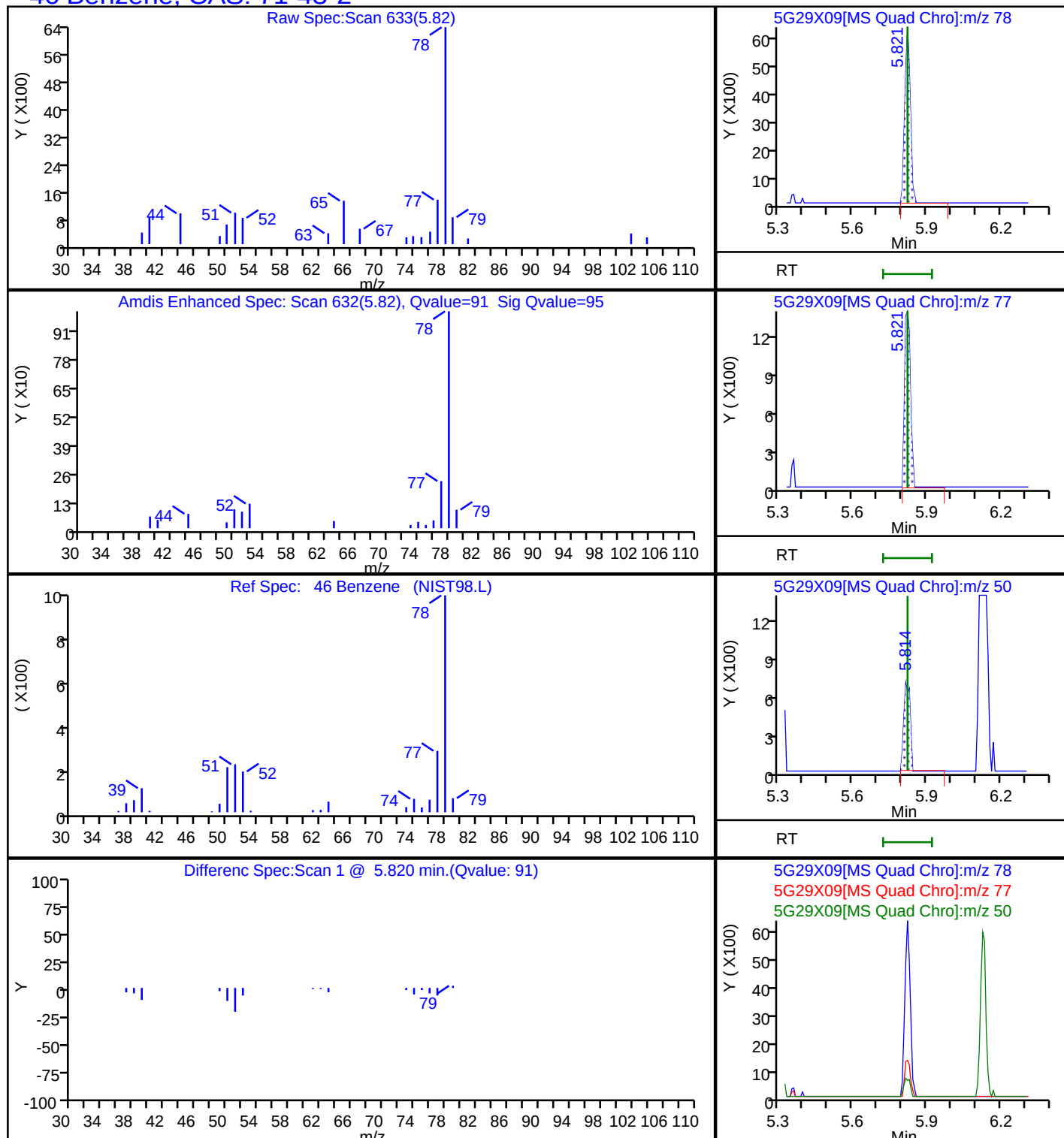
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

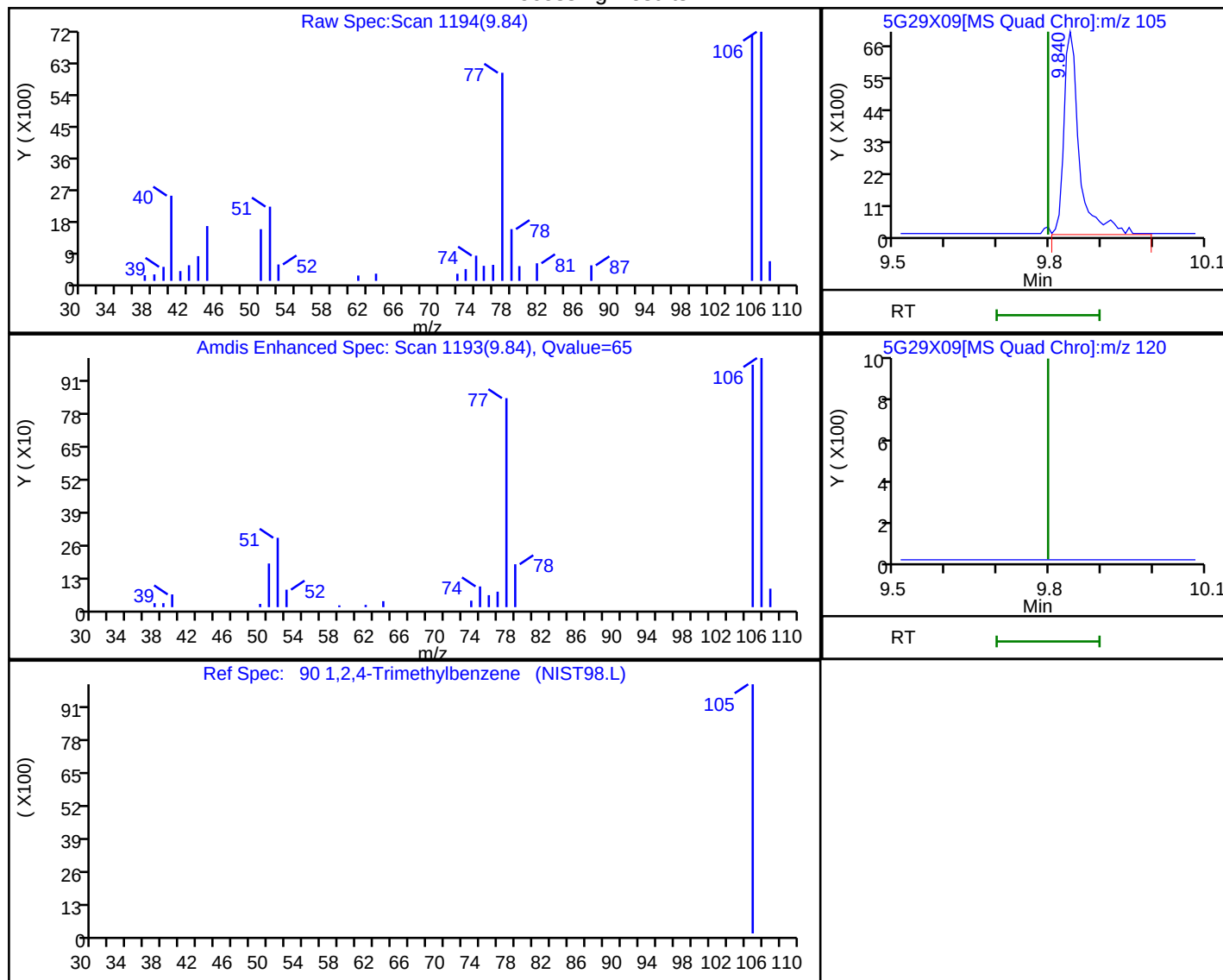
46 Benzene, CAS: 71-43-2

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D
Injection Date: 29-Aug-2024 13:43:04 Instrument ID: HP22820
Lims ID: 410-186273-A-1 Lab Sample ID: 410-186273-1
Client ID: 1436
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

90 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
9.84	105.00	14528	0.319642
9.80	120.00	0	

Reviewer: MLX9, 29-Aug-2024 14:11:48 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

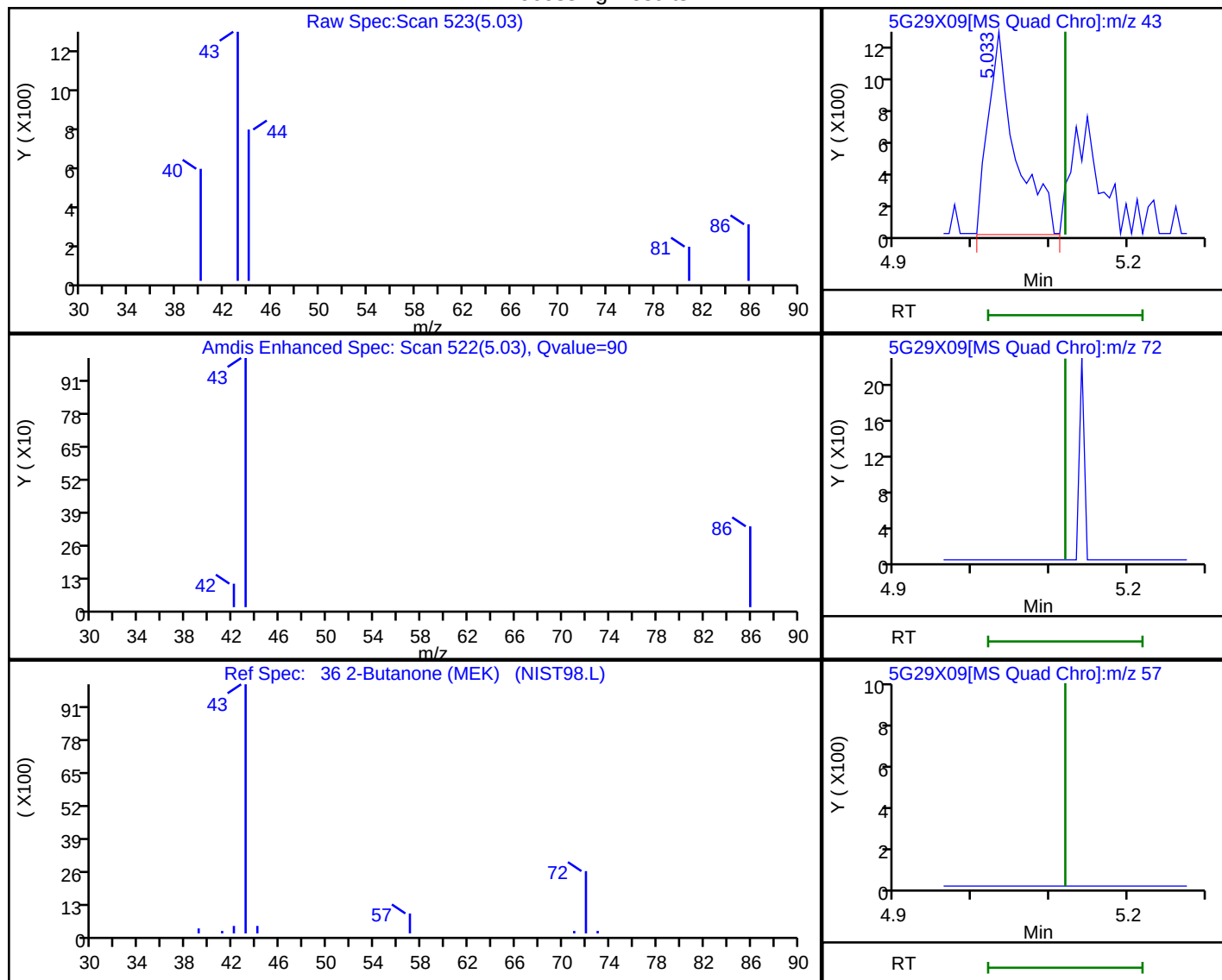
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D
Injection Date: 29-Aug-2024 13:43:04 Instrument ID: HP22820
Lims ID: 410-186273-A-1 Lab Sample ID: 410-186273-1
Client ID: 1436
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.03	43.00	3011	0.261539
5.12	72.00	0	
5.12	57.00	0	

Reviewer: MLX9, 29-Aug-2024 14:12:06 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

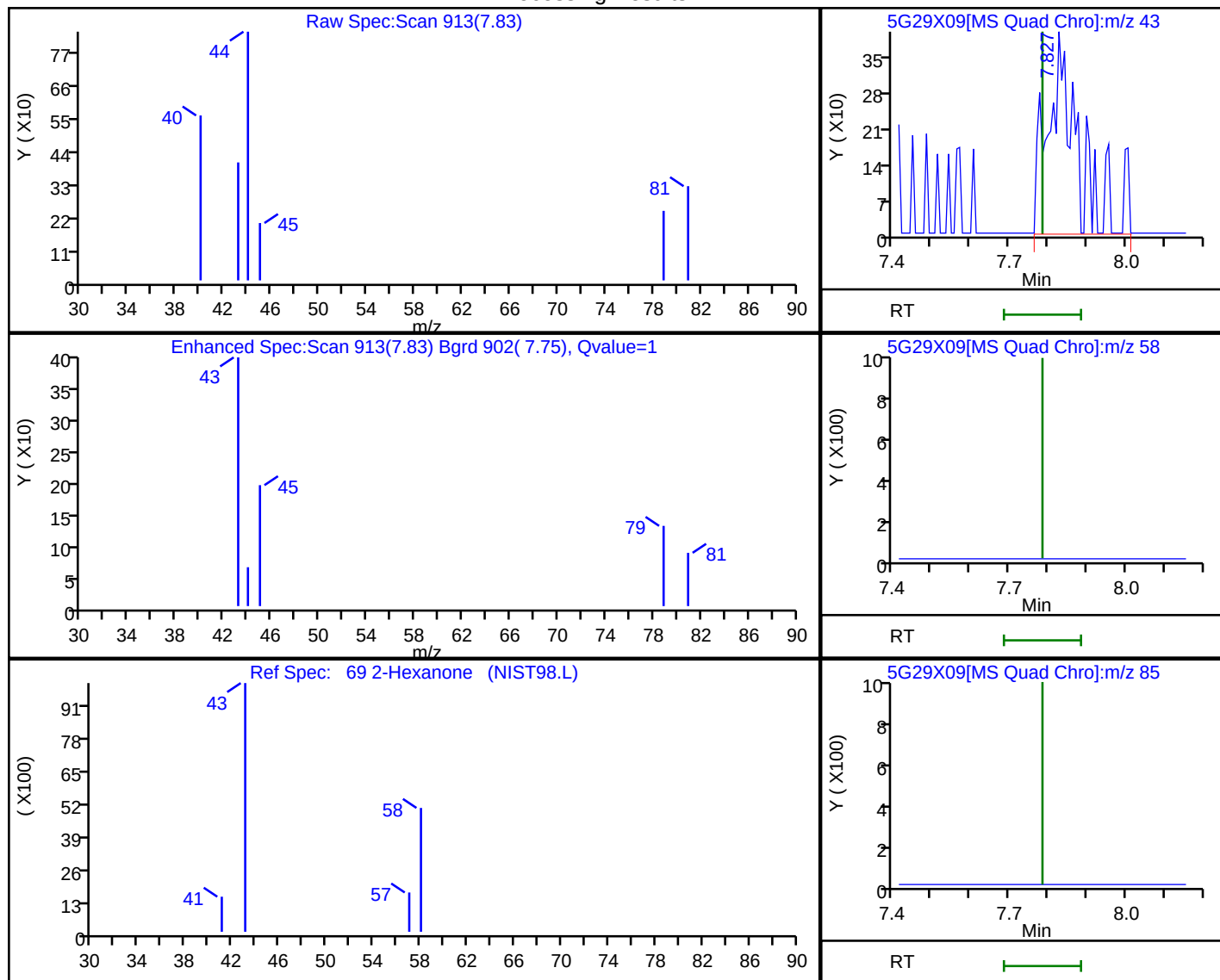
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D
Injection Date: 29-Aug-2024 13:43:04 Instrument ID: HP22820
Lims ID: 410-186273-A-1 Lab Sample ID: 410-186273-1
Client ID: 1436
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

69 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.83	43.00	2153	0.157289
7.78	58.00	0	
7.78	85.00	0	

Reviewer: MLX9, 29-Aug-2024 14:11:59 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

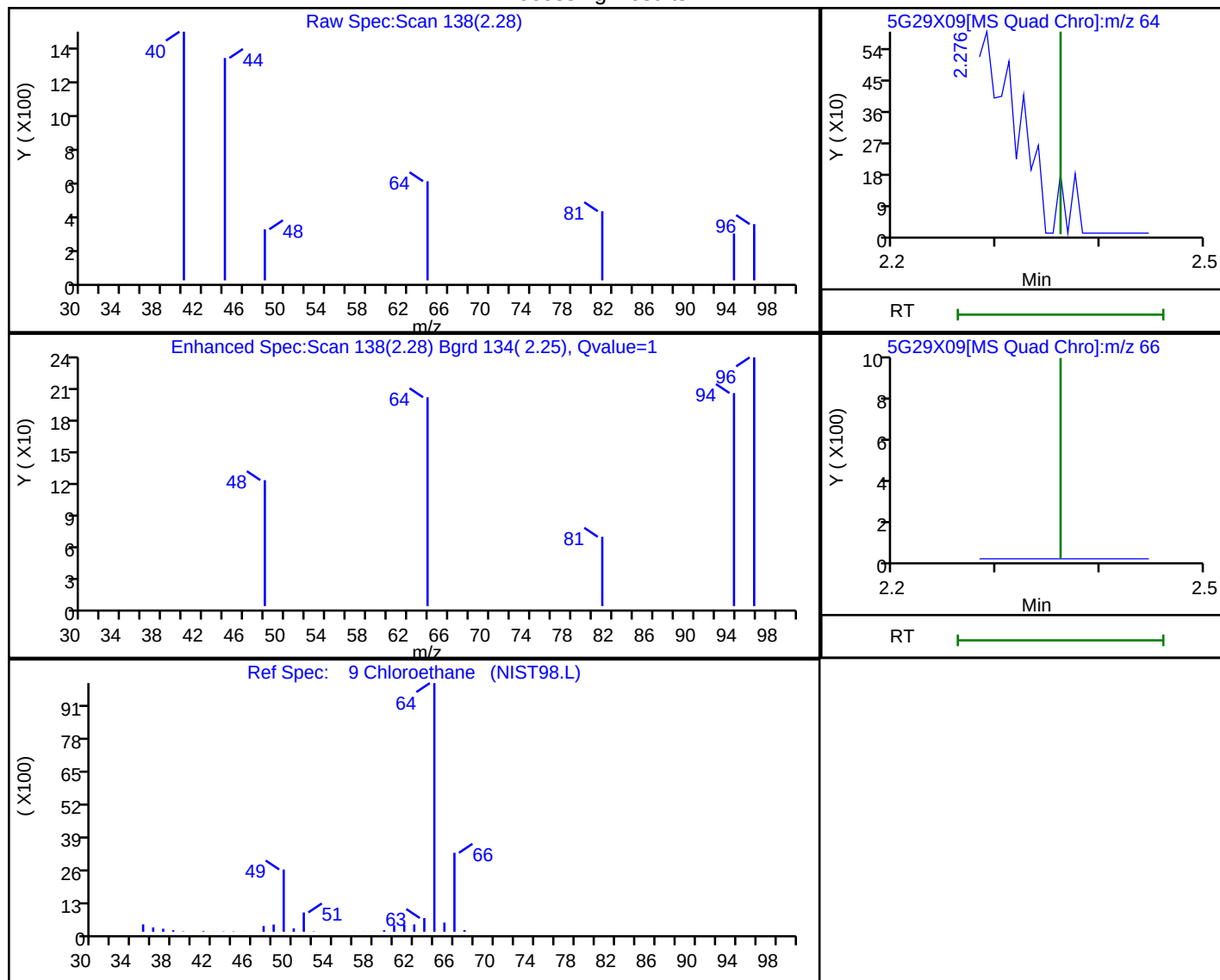
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D
Injection Date: 29-Aug-2024 13:43:04 Instrument ID: HP22820
Lims ID: 410-186273-A-1 Lab Sample ID: 410-186273-1
Client ID: 1436
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.28	64.00	1670	0.314942
2.36	66.00	0	

Reviewer: MLX9, 29-Aug-2024 14:12:15 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

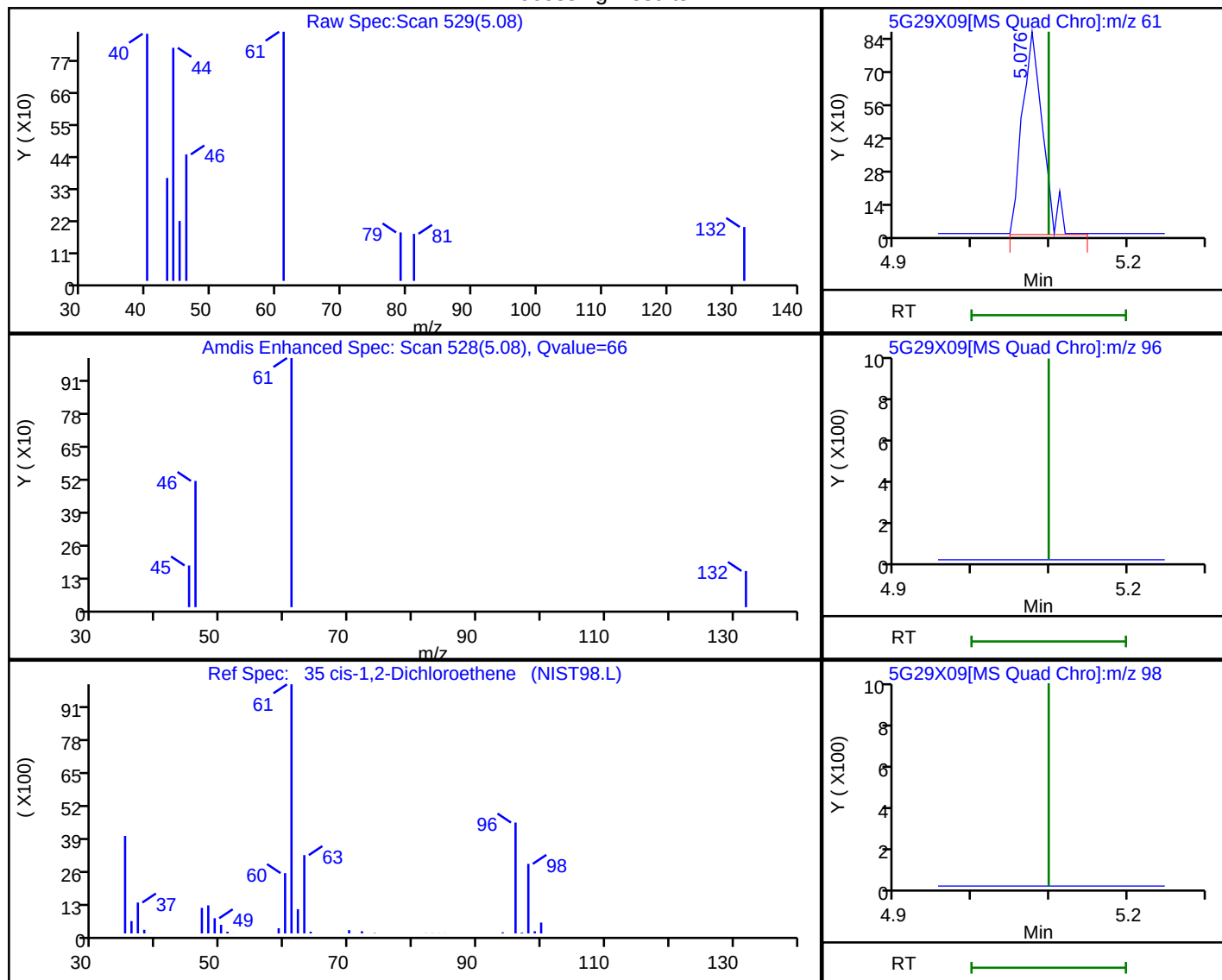
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X09.D
Injection Date: 29-Aug-2024 13:43:04 Instrument ID: HP22820
Lims ID: 410-186273-A-1 Lab Sample ID: 410-186273-1
Client ID: 1436
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

35 cis-1,2-Dichloroethene, CAS: 156-59-2

Processing Results



RT	Mass	Response	Amount
5.08	61.00	1578	0.133646
5.10	96.00	0	
5.10	98.00	0	

Reviewer: MLX9, 29-Aug-2024 14:12:08 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1398	Lab Sample ID: 410-186273-2
Matrix: Air	Lab File ID: 5G29X10.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 14:08
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1398	Lab Sample ID: 410-186273-2
Matrix: Air	Lab File ID: 5G29X10.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 14:08
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1398 Lab Sample ID: 410-186273-2

Matrix: Air Lab File ID: 5G29X10.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 14:08

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

5

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X10.D
Lims ID: 410-186273-A-2
Client ID: 1398
Sample Type: Client
Inject. Date: 29-Aug-2024 14:08:03 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1398
Misc. Info.: 410-0123593-010
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 29-Aug-2024 15:00:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.386	3.393	0.007	100	10909	0.9180	
36 2-Butanone (MEK)	43	5.127	5.134	0.008	99	1690	0.1382	
* 39 Chlorobromomethane (IS)	130	5.306	5.306	0.000	76	80053	10.0	
* 51 1,4-Difluorobenzene	114	6.129	6.129	0.000	91	208148	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	267398	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:15

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X10.D

Injection Date: 29-Aug-2024 14:08:03

Instrument ID: HP22820

Lims ID: 410-186273-A-2

Lab Sample ID: 410-186273-2

Client ID: 1398

Operator ID: bcb85445

ALS Bottle#: 0 Worklist Smp#: 10

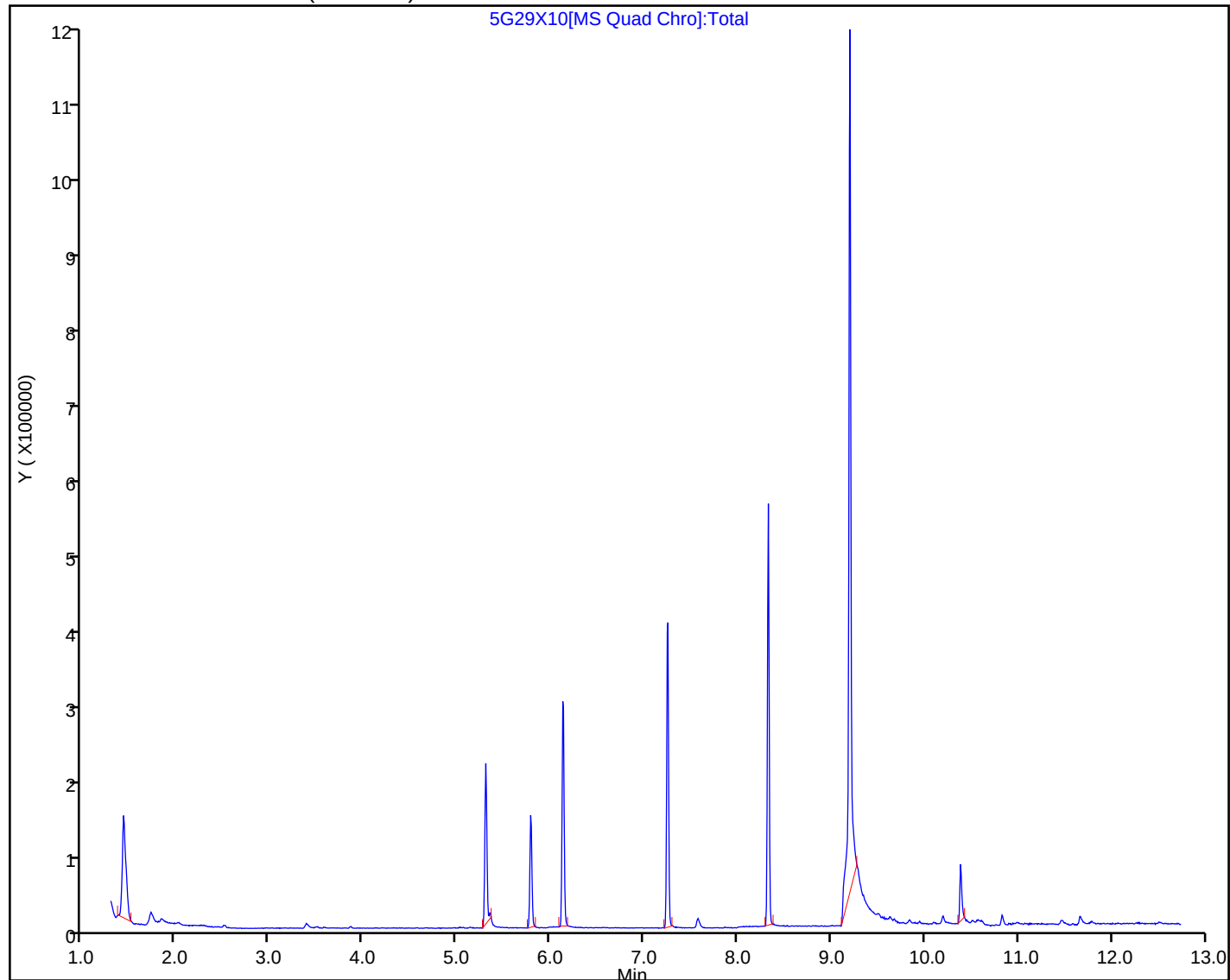
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1232	Lab Sample ID: 410-186273-3
Matrix: Air	Lab File ID: 5G29X11.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 14:32
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	0.31	J	1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	1.7	J	5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1232	Lab Sample ID: 410-186273-3
Matrix: Air	Lab File ID: 5G29X11.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 14:32
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1232 Lab Sample ID: 410-186273-3

Matrix: Air Lab File ID: 5G29X11.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 14:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

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Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X11.D
Lims ID: 410-186273-A-3
Client ID: 1232
Sample Type: Client
Inject. Date: 29-Aug-2024 14:32:51 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1232
Misc. Info.: 410-0123593-011
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 30-Aug-2024 08:07:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.386	3.393	0.007	99	19161	1.74	
36 2-Butanone (MEK)	43	5.134	5.134	0.015	92	3468	0.3051	
* 39 Chlorobromomethane (IS)	130	5.306	5.306	0.000	75	74395	10.0	
* 51 1,4-Difluorobenzene	114	6.129	6.129	0.000	91	196375	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	250099	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:17

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X11.D

Injection Date: 29-Aug-2024 14:32:51

Instrument ID: HP22820

Lims ID: 410-186273-A-3

Lab Sample ID: 410-186273-3

Client ID: 1232

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 11

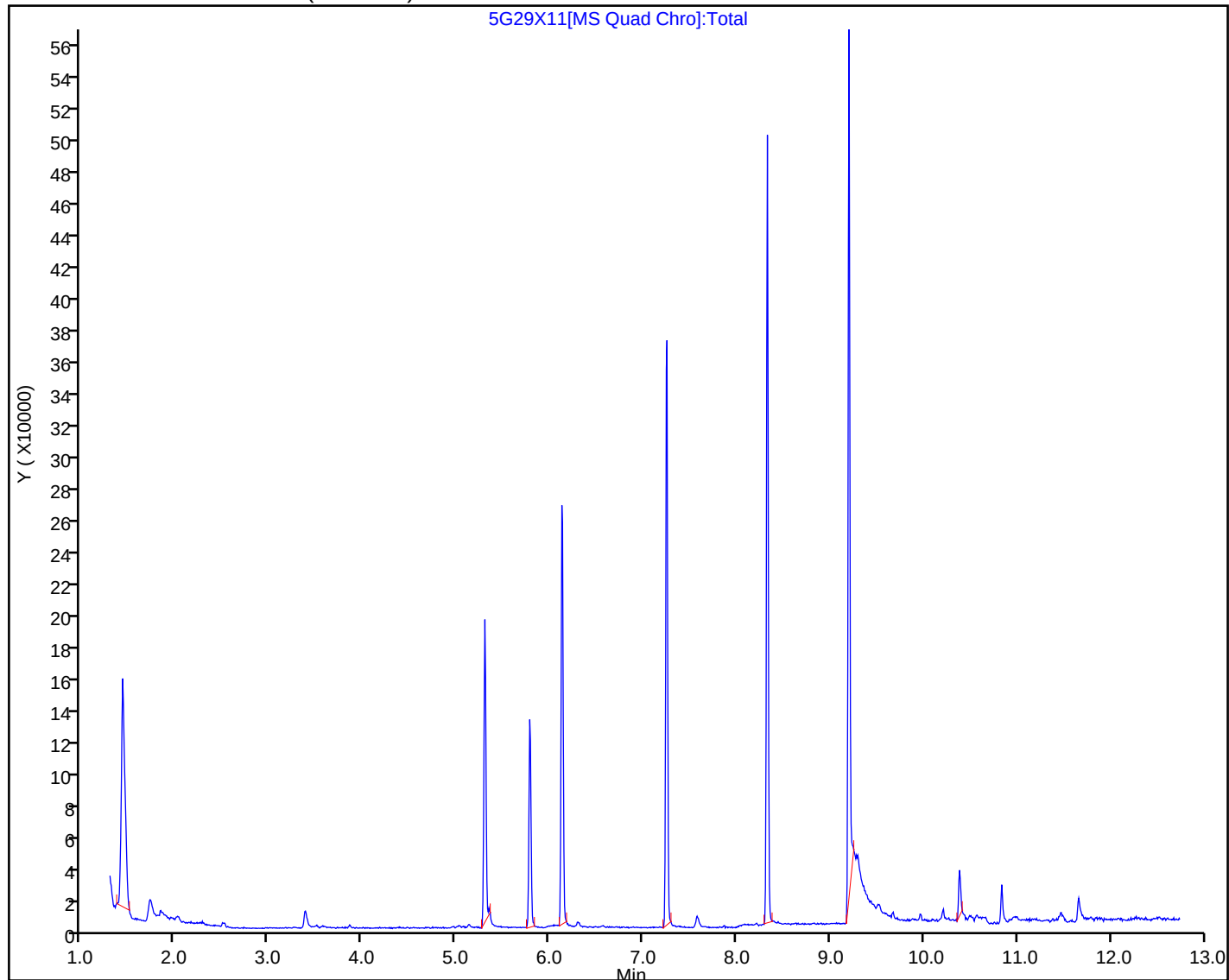
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X11.D

Injection Date: 29-Aug-2024 14:32:51

Instrument ID: HP22820

Lims ID: 410-186273-A-3

Lab Sample ID: 410-186273-3

Client ID: 1232

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 11

Purge Vol: 200.000 mL

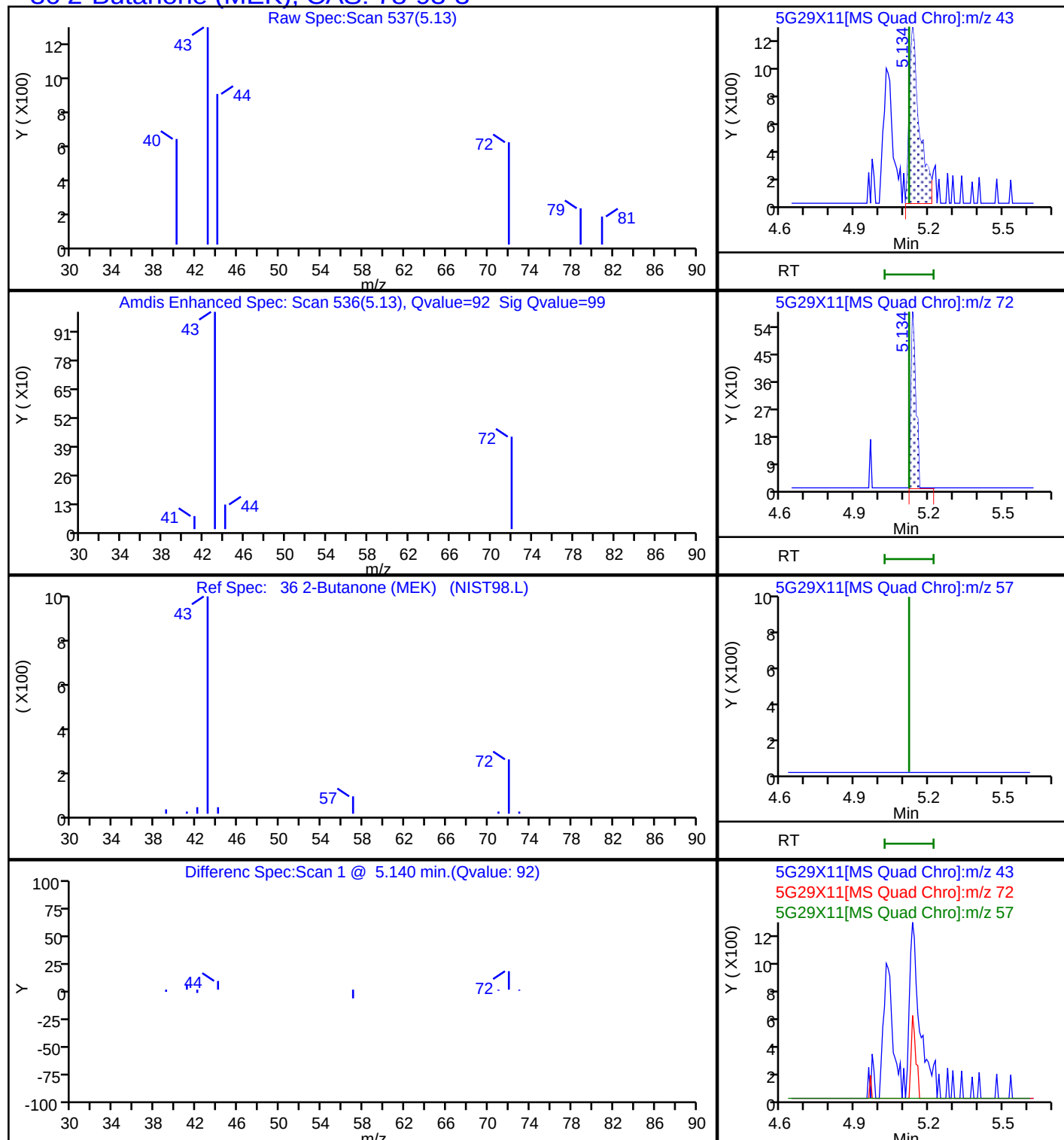
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X11.D

Injection Date: 29-Aug-2024 14:32:51

Instrument ID: HP22820

Lims ID: 410-186273-A-3

Lab Sample ID: 410-186273-3

Client ID: 1232

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 11

Purge Vol: 200.000 mL

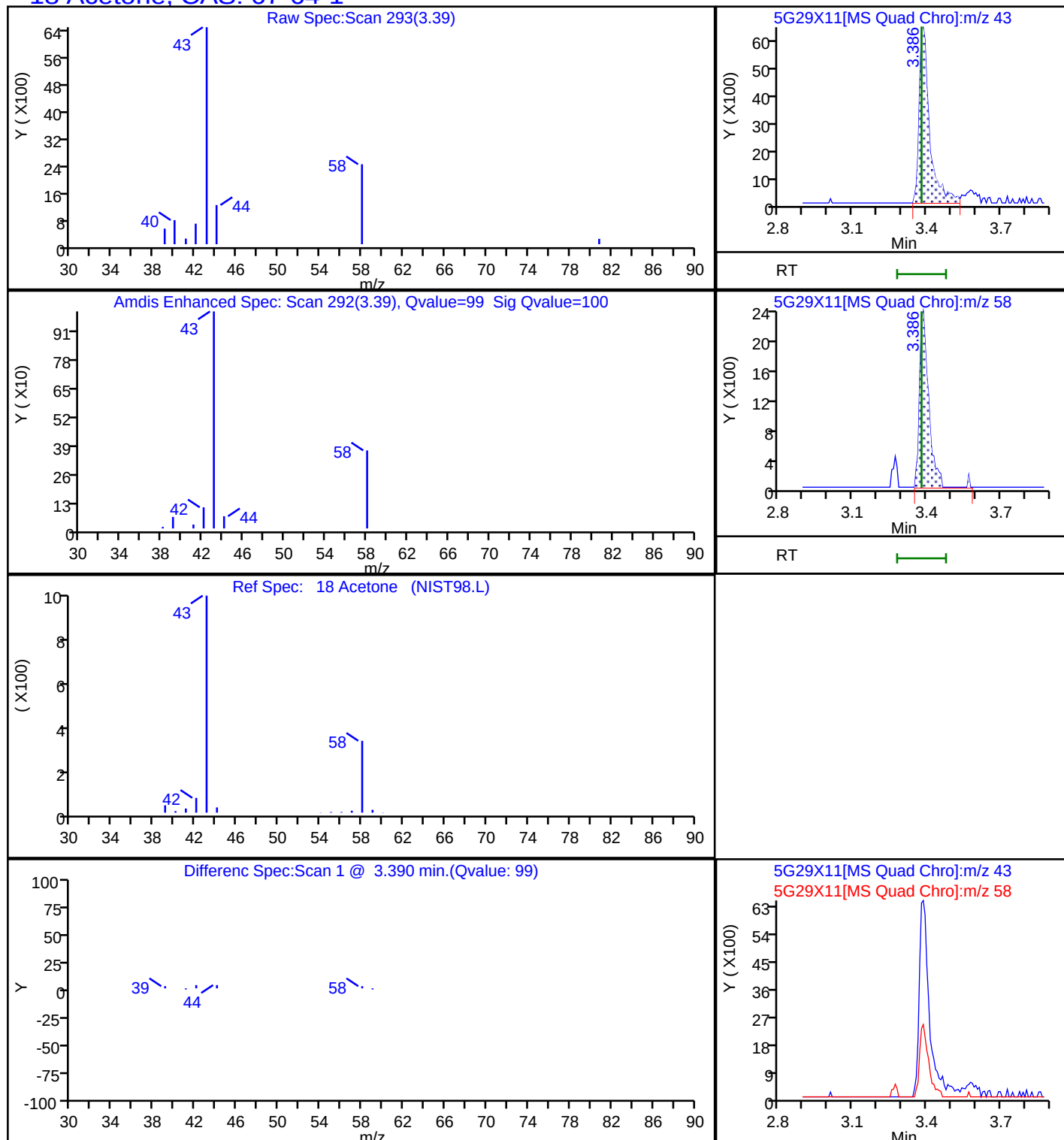
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

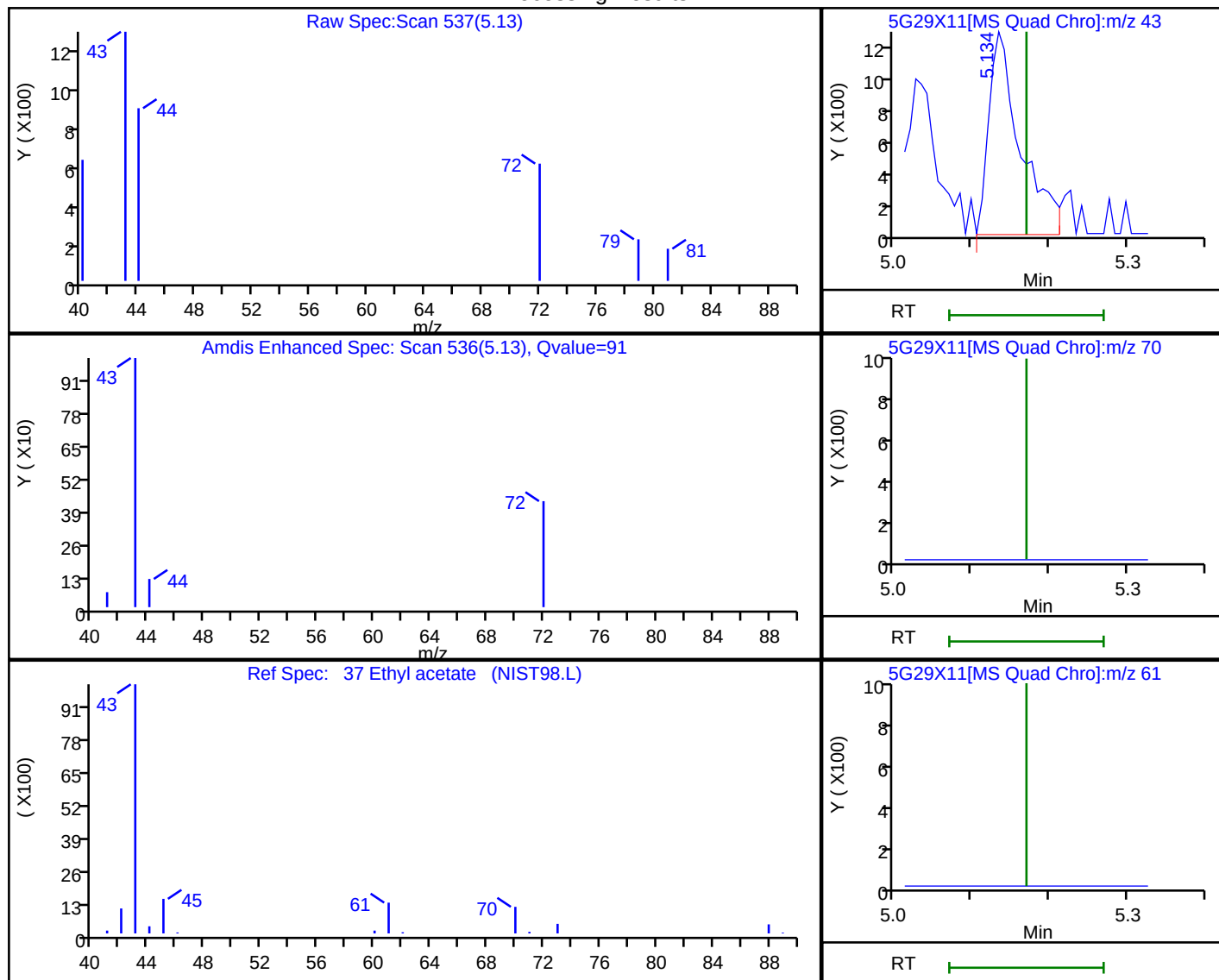
18 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X11.D
Injection Date: 29-Aug-2024 14:32:51 Instrument ID: HP22820
Lims ID: 410-186273-A-3 Lab Sample ID: 410-186273-3
Client ID: 1232
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector: MS Quad

37 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
5.13	43.00	3468	0.217049
5.17	70.00	0	
5.17	61.00	0	

Reviewer: MLX9, 30-Aug-2024 08:07:20 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 802	Lab Sample ID: 410-186273-4
Matrix: Air	Lab File ID: 5G29X12.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 14:57
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 802	Lab Sample ID: 410-186273-4
Matrix: Air	Lab File ID: 5G29X12.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 14:57
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 802 Lab Sample ID: 410-186273-4

Matrix: Air Lab File ID: 5G29X12.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 14:57

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

SDG No.:

Lab Sample ID: 410-186273-4

Lab File ID: 5G29X12.D

Date Collected: 08/28/2024 07:58

Date Analyzed: 08/29/2024 14:57

Dilution Factor: 1

GC Column: DB-624 30m ID: 0.25 (mm)

Heated Purge: (Y/N) pH:

Level: (low/med) Low

Units: ppb v/v

Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X12.D
Lims ID: 410-186273-A-4
Client ID: 802
Sample Type: Client
Inject. Date: 29-Aug-2024 14:57:47 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc802
Misc. Info.: 410-0123593-012
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 30-Aug-2024 08:12:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.393	3.393	0.014	98	8128	0.7139	
* 39 Chlorobromomethane (IS)	130	5.305	5.306	-0.001	76	76700	10.0	
* 51 1,4-Difluorobenzene	114	6.136	6.129	0.007	91	197452	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	250067	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:18

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X12.D

Injection Date: 29-Aug-2024 14:57:47

Instrument ID: HP22820

Lims ID: 410-186273-A-4

Lab Sample ID: 410-186273-4

Client ID: 802

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 12

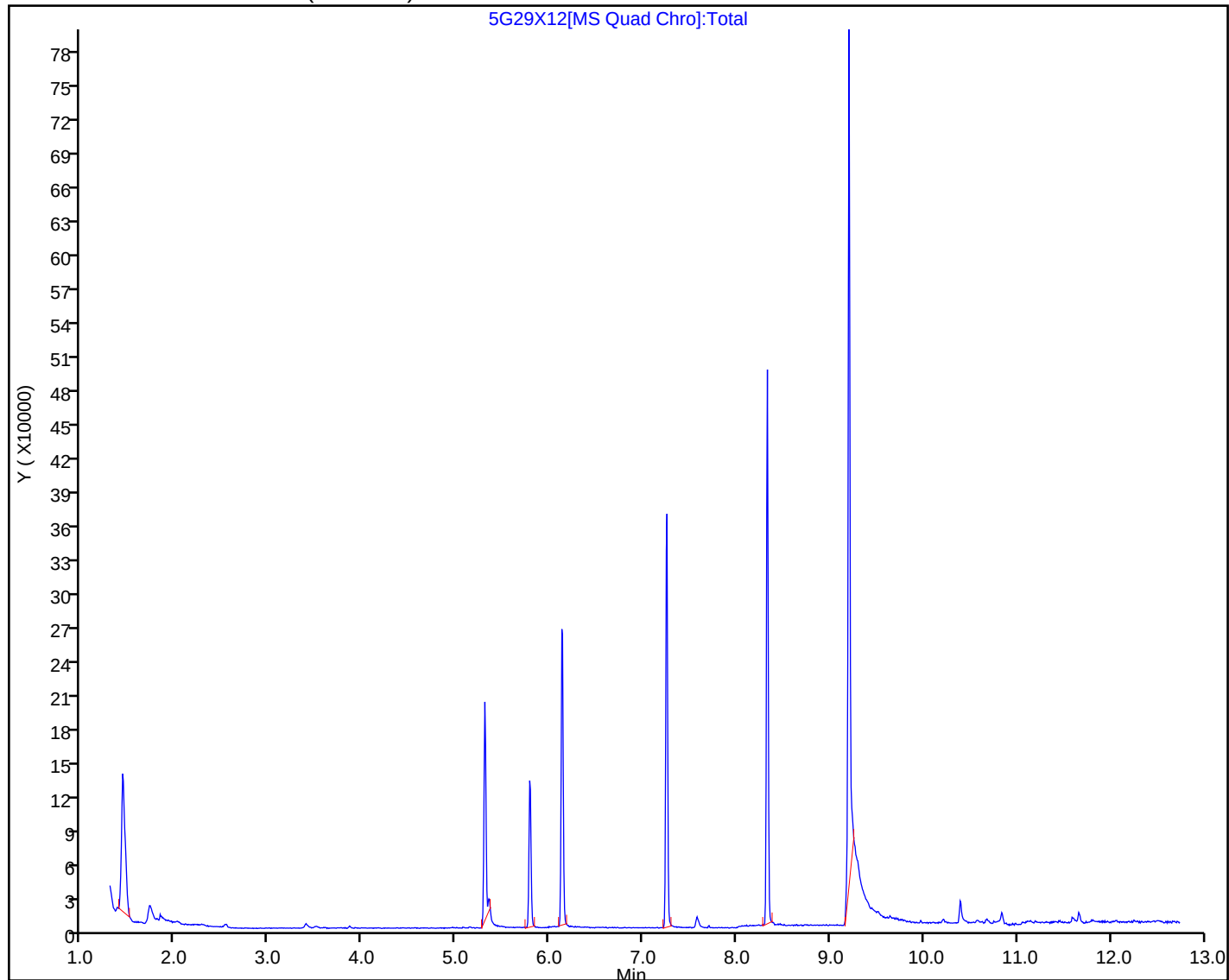
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

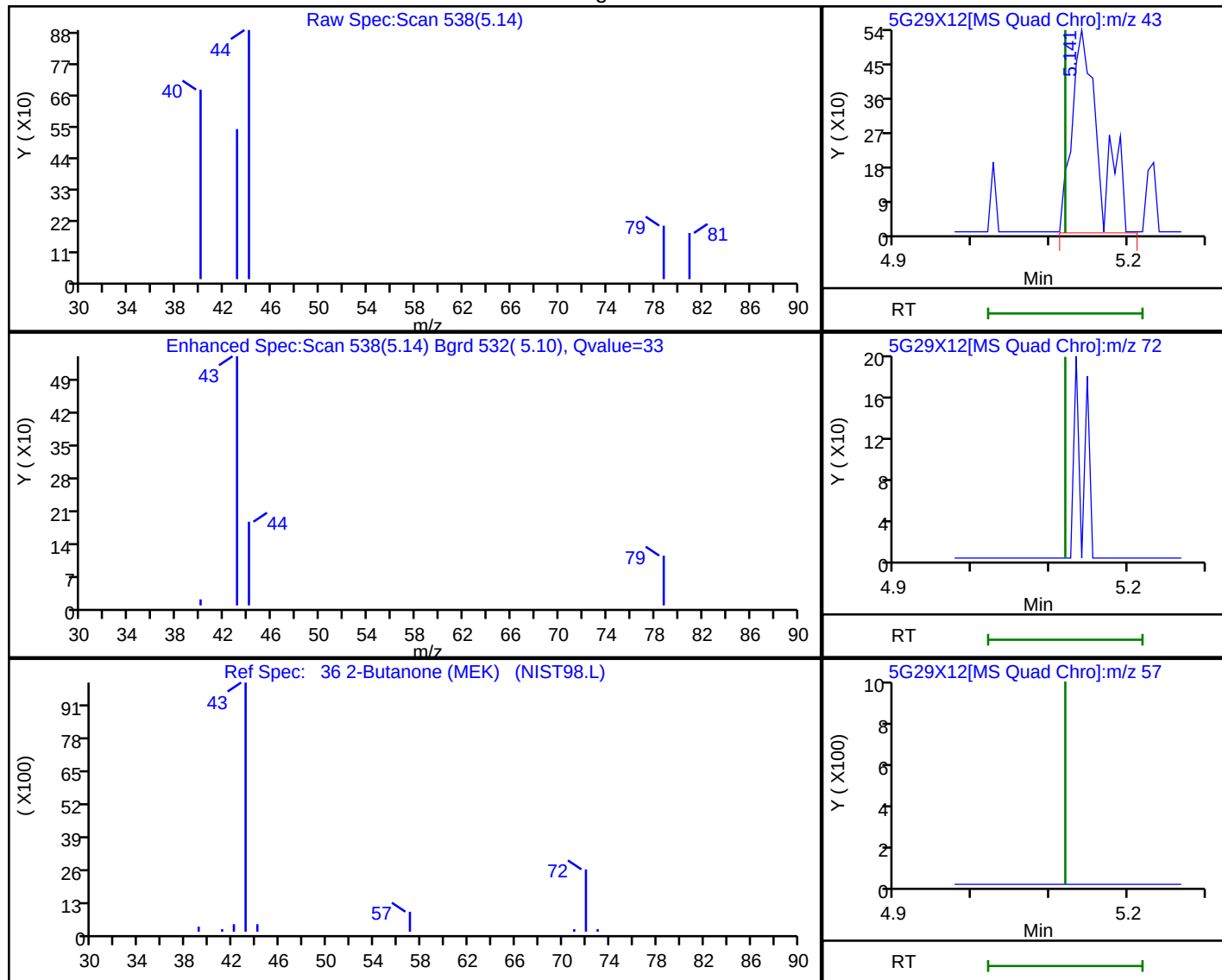


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X12.D
Injection Date: 29-Aug-2024 14:57:47 Instrument ID: HP22820
Lims ID: 410-186273-A-4 Lab Sample ID: 410-186273-4
Client ID: 802
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.14	43.00	1310	0.111778
5.12	72.00	0	
5.12	57.00	0	

Reviewer: MLX9, 30-Aug-2024 08:12:22 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1299	Lab Sample ID: 410-186273-5
Matrix: Air	Lab File ID: 5G29X13.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 15:22
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	0.26	J	1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	1.3	J	5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1299	Lab Sample ID: 410-186273-5
Matrix: Air	Lab File ID: 5G29X13.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 15:22
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1299 Lab Sample ID: 410-186273-5

Matrix: Air Lab File ID: 5G29X13.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 15:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

SDG No.:

Lab Sample ID: 410-186273-5

Lab File ID: 5G29X13.D

Date Collected: 08/28/2024 07:58

Date Analyzed: 08/29/2024 15:22

Dilution Factor: 1

GC Column: DB-624 30m ID: 0.25 (mm)

Heated Purge: (Y/N) pH:

Level: (low/med) Low

Units: ppb v/v

Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X13.D
Lims ID: 410-186273-A-5
Client ID: 1299
Sample Type: Client
Inject. Date: 29-Aug-2024 15:22:47 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1299
Misc. Info.: 410-0123593-013
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 30-Aug-2024 08:13:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.386	3.393	0.007	100	14290	1.26	M
36 2-Butanone (MEK)	43	5.134	5.134	0.015	95	3065	0.2635	
* 39 Chlorobromomethane (IS)	130	5.306	5.306	0.000	75	76112	10.0	
* 51 1,4-Difluorobenzene	114	6.137	6.129	0.007	91	202759	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	251247	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:19

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X13.D

Injection Date: 29-Aug-2024 15:22:47

Instrument ID: HP22820

Lims ID: 410-186273-A-5

Lab Sample ID: 410-186273-5

Client ID: 1299

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 13

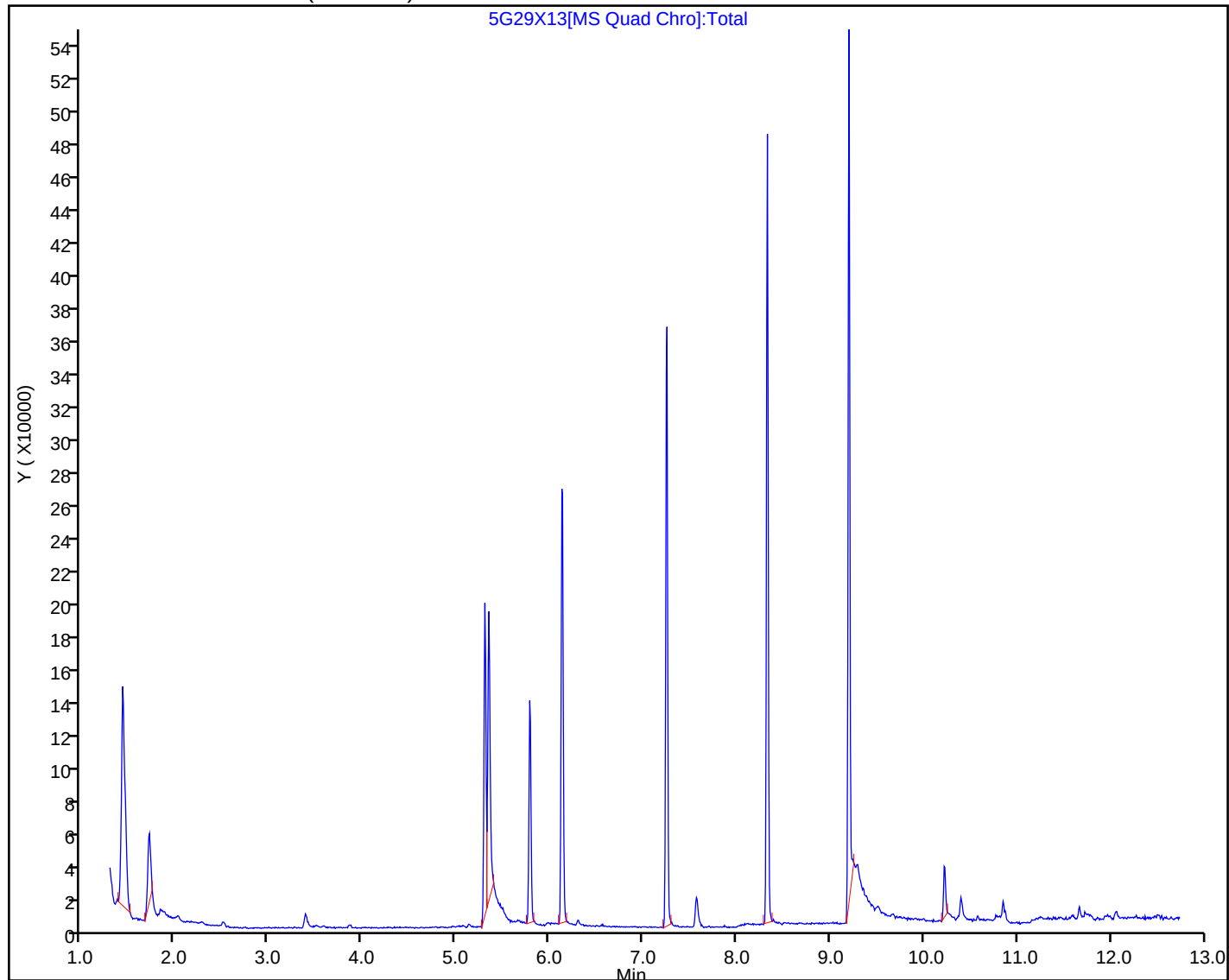
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X13.D

Injection Date: 29-Aug-2024 15:22:47

Instrument ID: HP22820

Lims ID: 410-186273-A-5

Lab Sample ID: 410-186273-5

Client ID: 1299

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 13

Purge Vol: 200.000 mL

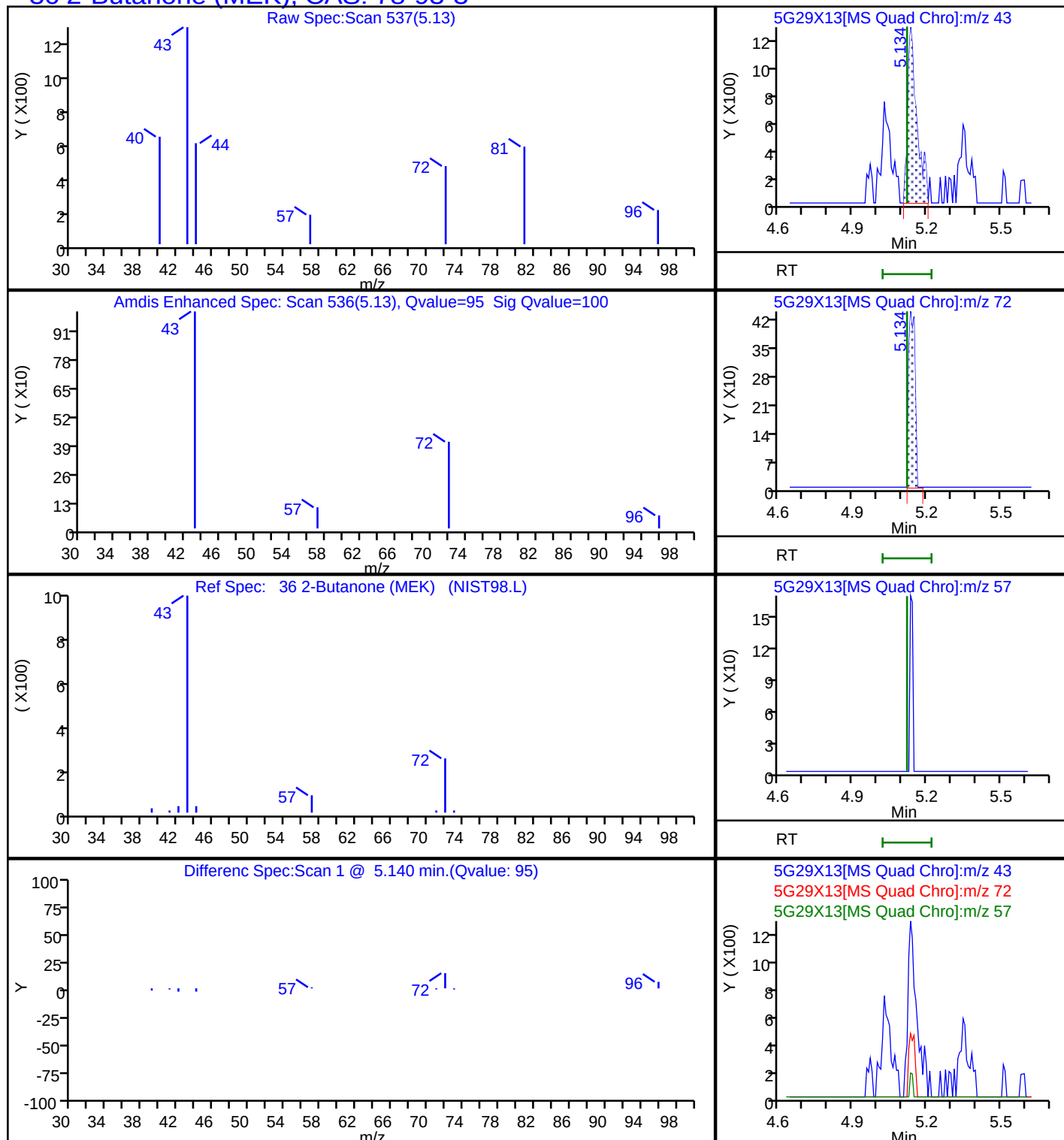
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X13.D

Injection Date: 29-Aug-2024 15:22:47

Instrument ID: HP22820

Lims ID: 410-186273-A-5

Lab Sample ID: 410-186273-5

Client ID: 1299

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 13

Purge Vol: 200.000 mL

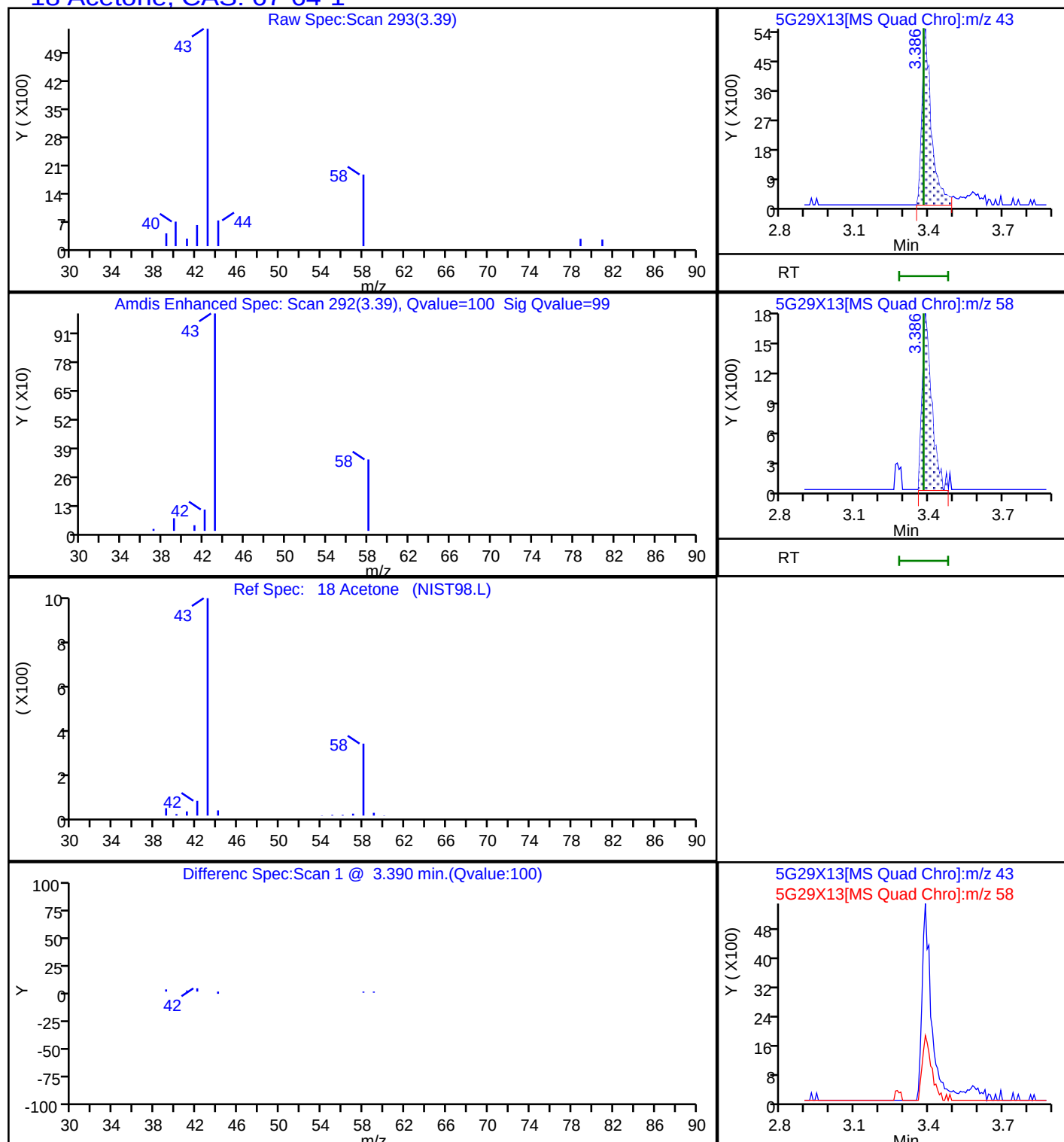
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

18 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

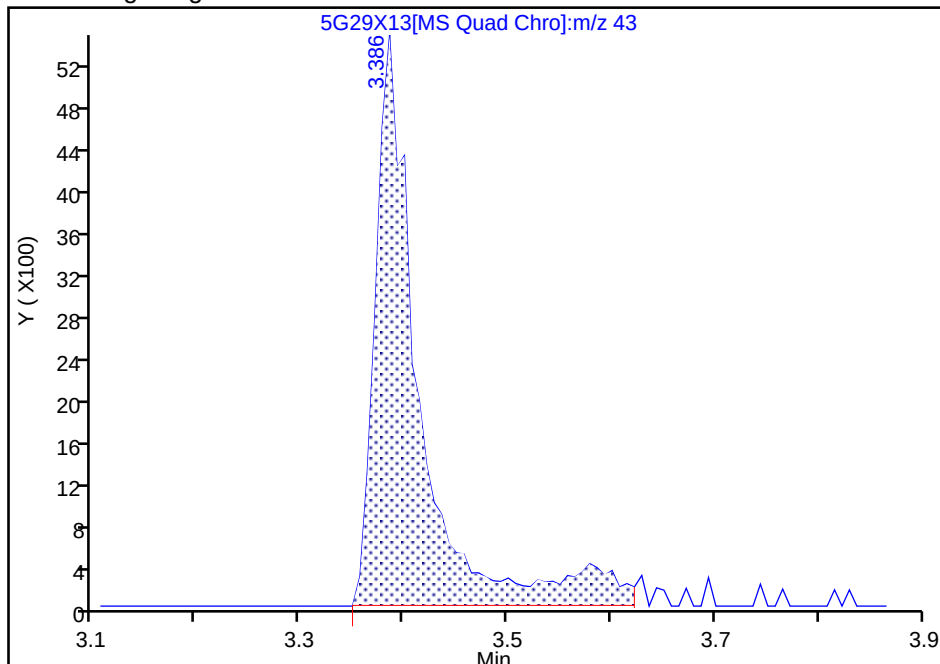
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X13.D				
Injection Date:	29-Aug-2024 15:22:47	Instrument ID:	HP22820		
Lims ID:	410-186273-A-5	Lab Sample ID:	410-186273-5		
Client ID:	1299				
Operator ID:	bc85445	ALS Bottle#:	0	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector:	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 1

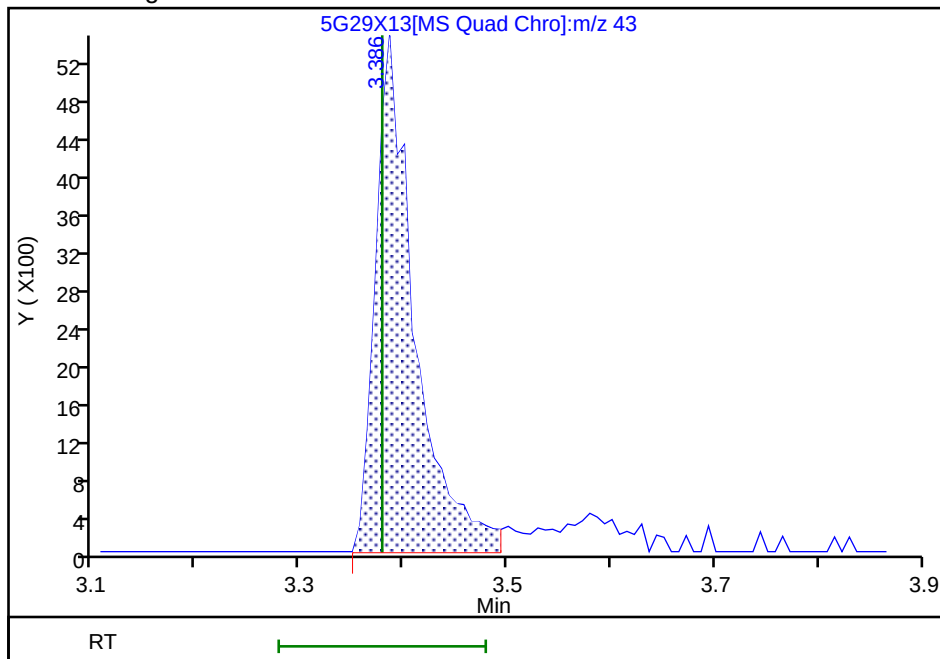
RT: 3.39
Area: 16308
Amount: 1.443461
Amount Units: ppb v/v

Processing Integration Results



RT: 3.39
Area: 14290
Amount: 1.264843
Amount Units: ppb v/v

Manual Integration Results



Reviewer: MLX9, 30-Aug-2024 08:13:52 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

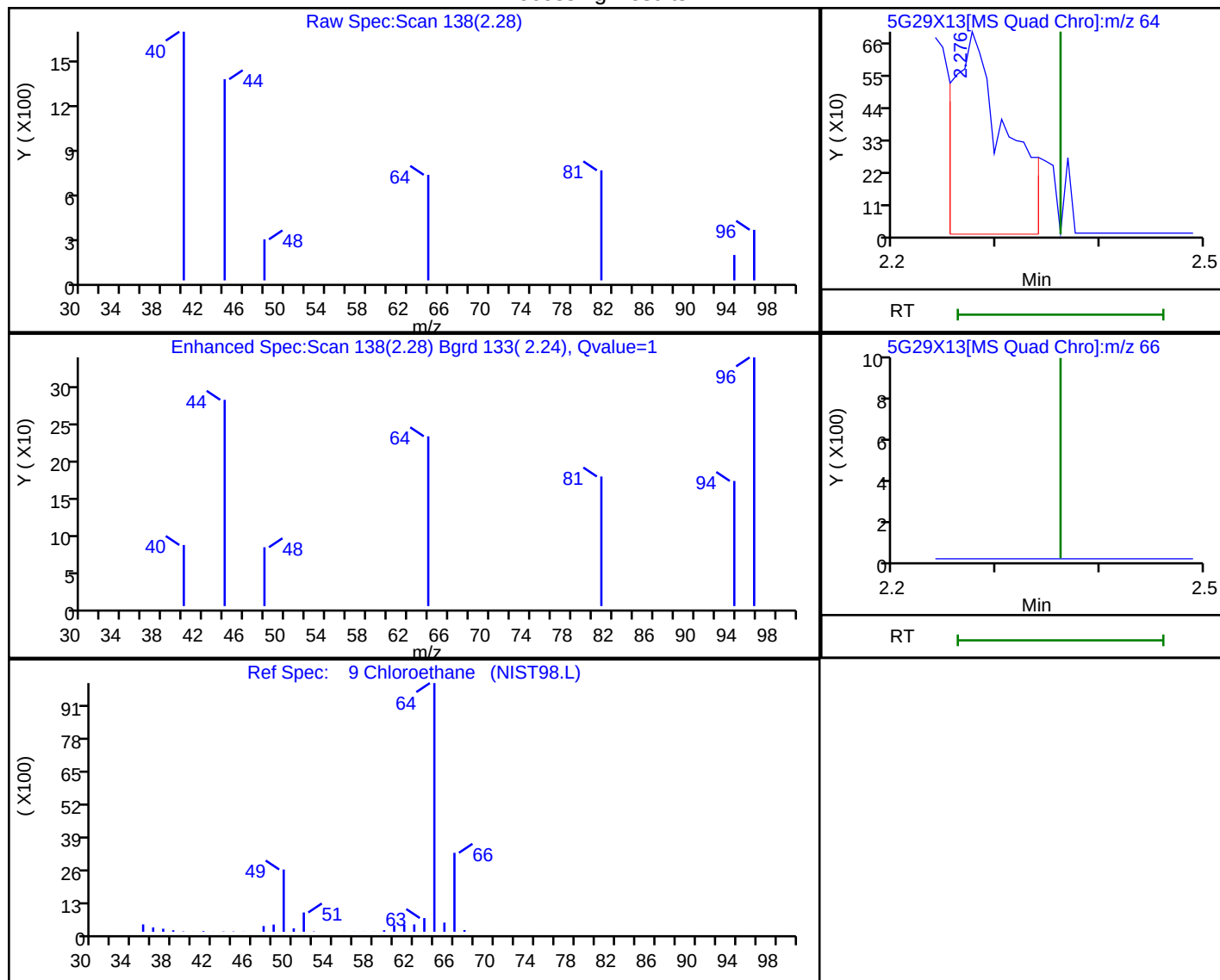
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X13.D
Injection Date: 29-Aug-2024 15:22:47 Instrument ID: HP22820
Lims ID: 410-186273-A-5 Lab Sample ID: 410-186273-5
Client ID: 1299
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.28	64.00	2262	0.422288
2.36	66.00	0	

Reviewer: MLX9, 30-Aug-2024 08:13:47 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1523	Lab Sample ID: 410-186273-6
Matrix: Air	Lab File ID: 5G29X14.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 15:47
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	0.25	J	1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	1.3	J	5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1523 Lab Sample ID: 410-186273-6

Matrix: Air Lab File ID: 5G29X14.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 15:47

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1523 Lab Sample ID: 410-186273-6

Matrix: Air Lab File ID: 5G29X14.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 15:47

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

SDG No.:

Client Sample ID: 1523 Lab Sample ID: 410-186273-6

Matrix: Air Lab File ID: 5G29X14.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 15:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X14.D
Lims ID: 410-186273-A-6
Client ID: 1523
Sample Type: Client
Inject. Date: 29-Aug-2024 15:47:56 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1523
Misc. Info.: 410-0123593-014
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 30-Aug-2024 08:14:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.386	3.393	0.007	99	14287	1.29	
36 2-Butanone (MEK)	43	5.134	5.134	0.015	97	2858	0.2508	
* 39 Chlorobromomethane (IS)	130	5.306	5.306	0.000	75	74592	10.0	
* 51 1,4-Difluorobenzene	114	6.129	6.129	0.000	91	189620	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	246643	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:21

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X14.D

Injection Date: 29-Aug-2024 15:47:56

Instrument ID: HP22820

Lims ID: 410-186273-A-6

Lab Sample ID: 410-186273-6

Client ID: 1523

Operator ID: bcb85445

ALS Bottle#: 0 Worklist Smp#: 14

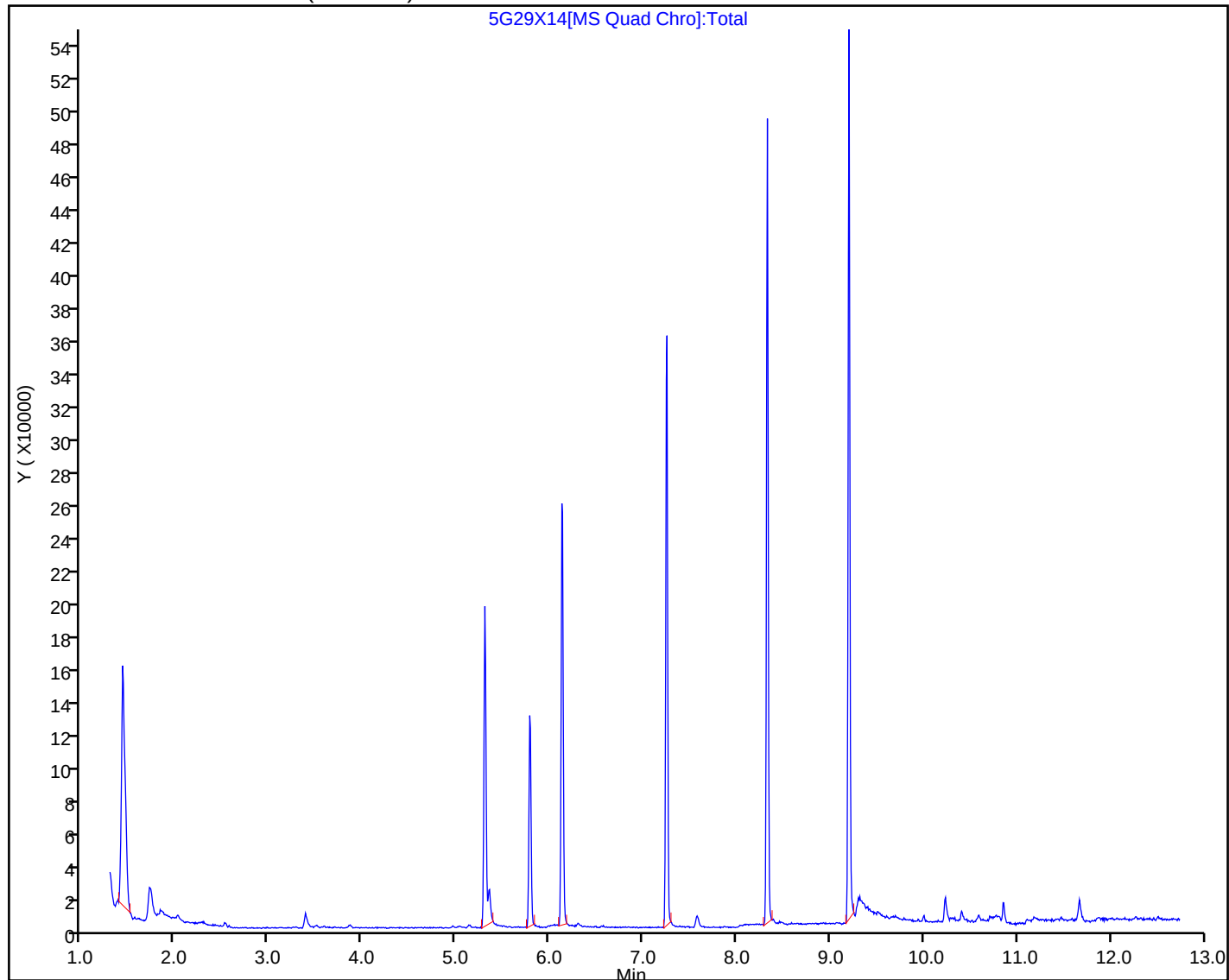
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X14.D

Injection Date: 29-Aug-2024 15:47:56

Instrument ID: HP22820

Lims ID: 410-186273-A-6

Lab Sample ID: 410-186273-6

Client ID: 1523

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 14

Purge Vol: 200.000 mL

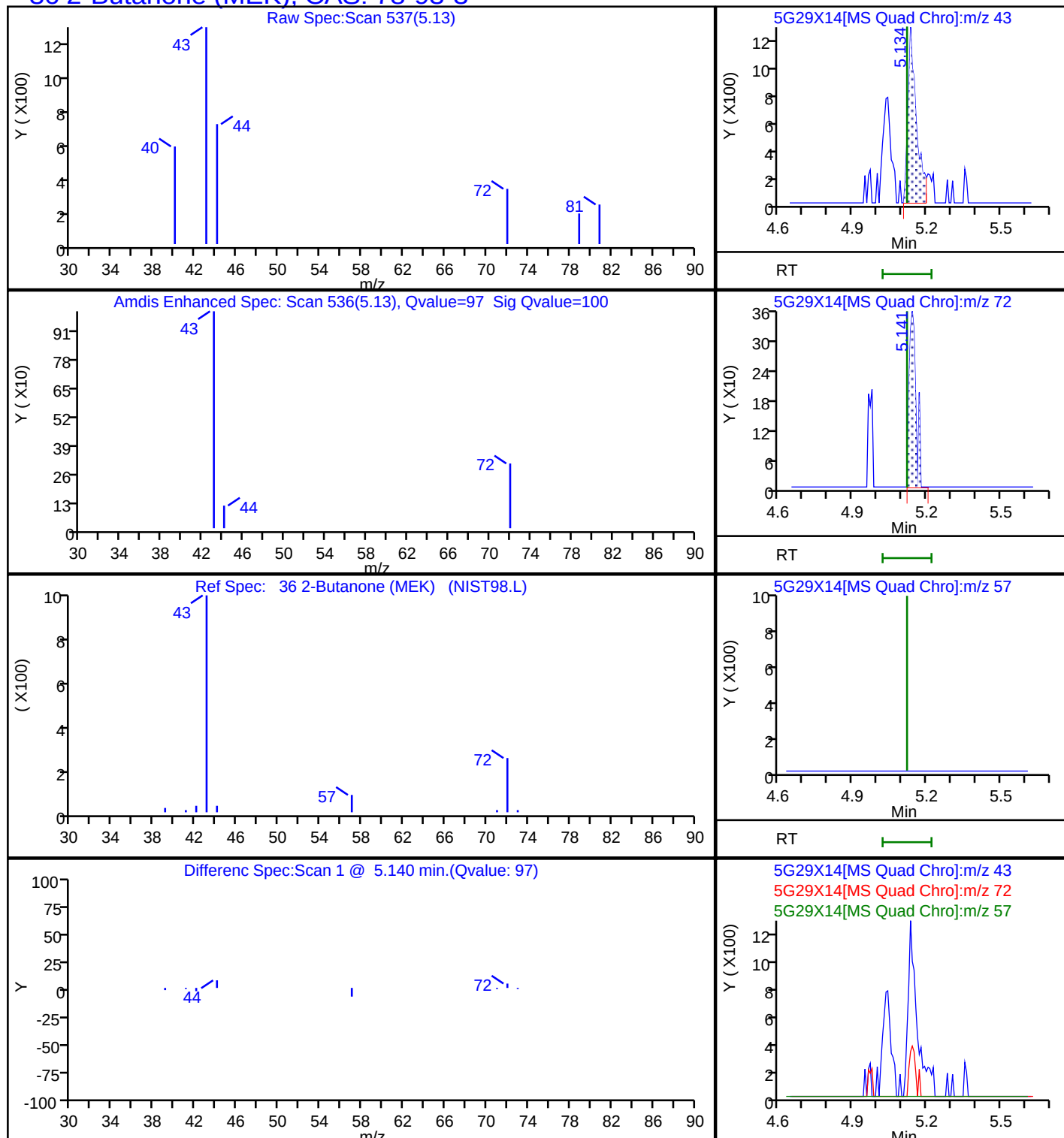
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X14.D

Injection Date: 29-Aug-2024 15:47:56

Instrument ID: HP22820

Lims ID: 410-186273-A-6

Lab Sample ID: 410-186273-6

Client ID: 1523

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 14

Purge Vol: 200.000 mL

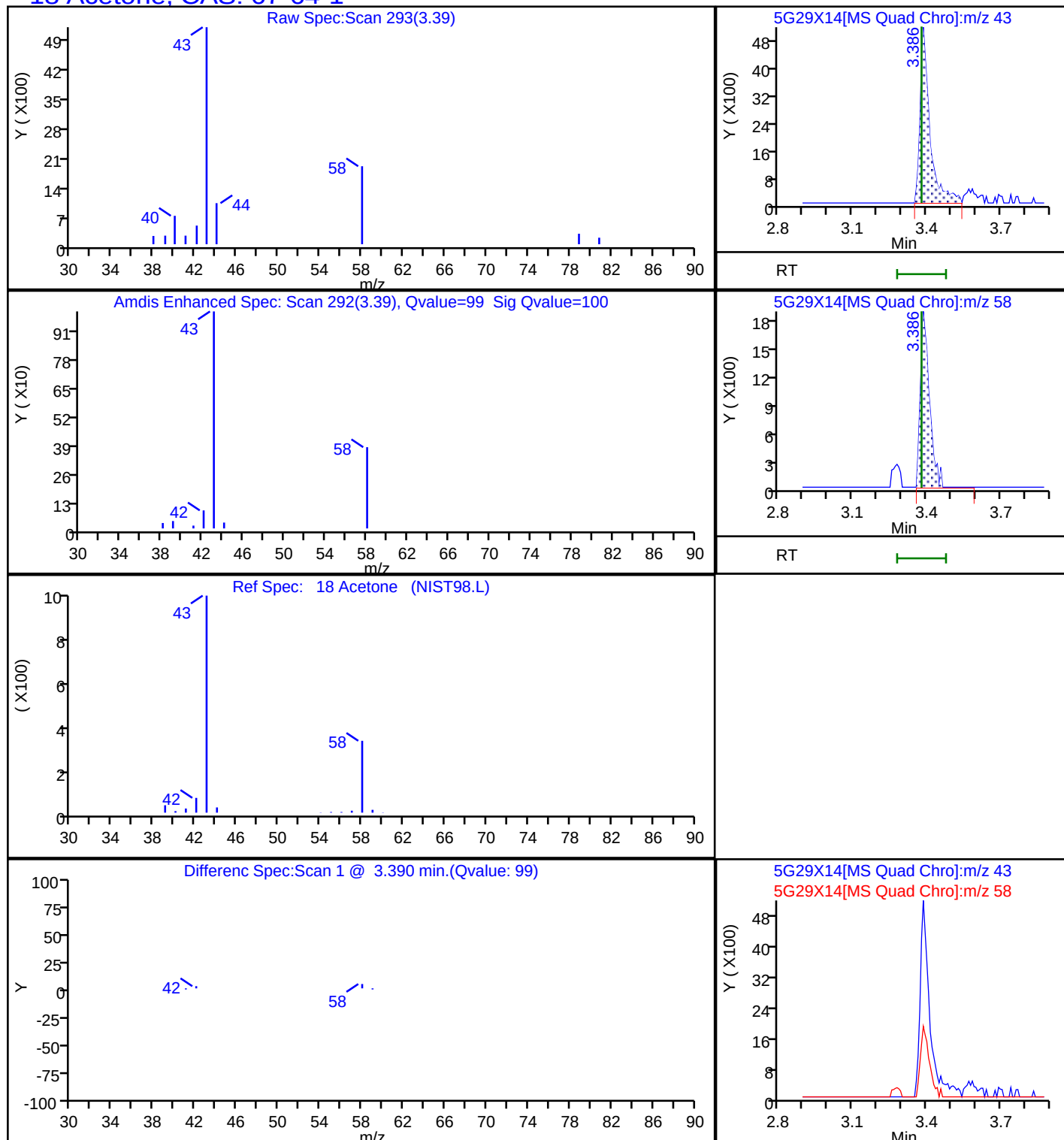
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

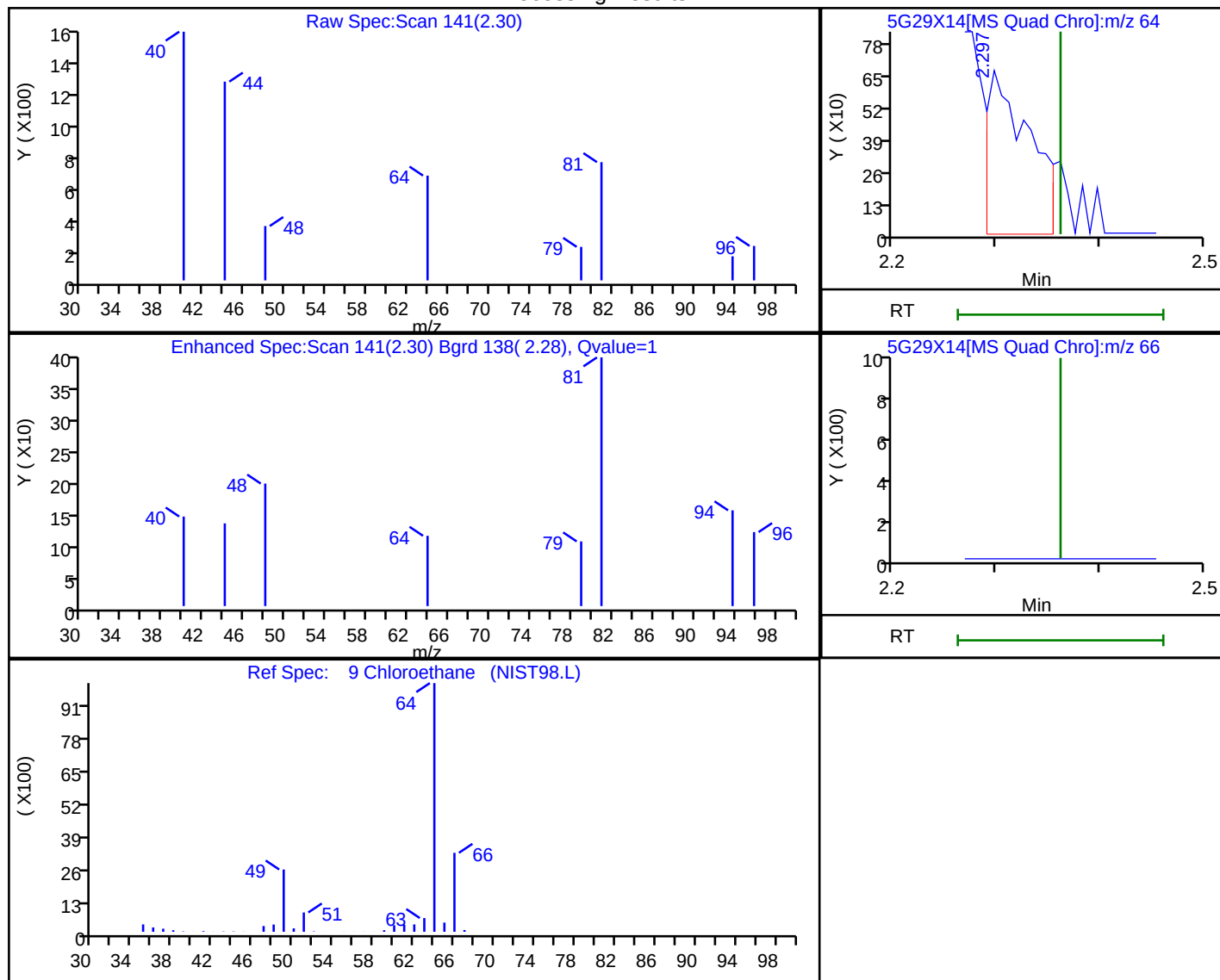
18 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X14.D
Injection Date: 29-Aug-2024 15:47:56 Instrument ID: HP22820
Lims ID: 410-186273-A-6 Lab Sample ID: 410-186273-6
Client ID: 1523
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.30	64.00	1759	0.335075
2.36	66.00	0	

Reviewer: MLX9, 30-Aug-2024 08:14:04 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1190	Lab Sample ID: 410-186273-7
Matrix: Air	Lab File ID: 5G29X15.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 16:12
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1190	Lab Sample ID: 410-186273-7
Matrix: Air	Lab File ID: 5G29X15.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 16:12
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1190 Lab Sample ID: 410-186273-7

Matrix: Air Lab File ID: 5G29X15.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 16:12

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

SDG No.:

Client Sample ID: 1190 Lab Sample ID: 410-186273-7

Matrix: Air Lab File ID: 5G29X15.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 16:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X15.D
Lims ID: 410-186273-A-7
Client ID: 1190
Sample Type: Client
Inject. Date: 29-Aug-2024 16:12:58 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1190
Misc. Info.: 410-0123593-015
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 30-Aug-2024 08:15:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.393	3.393	0.014	100	8635	0.7703	
* 39 Chlorobromomethane (IS)	130	5.305	5.306	-0.001	75	75519	10.0	
* 51 1,4-Difluorobenzene	114	6.136	6.129	0.007	91	191939	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	249852	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:22

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X15.D

Injection Date: 29-Aug-2024 16:12:58

Instrument ID: HP22820

Lims ID: 410-186273-A-7

Lab Sample ID: 410-186273-7

Client ID: 1190

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 15

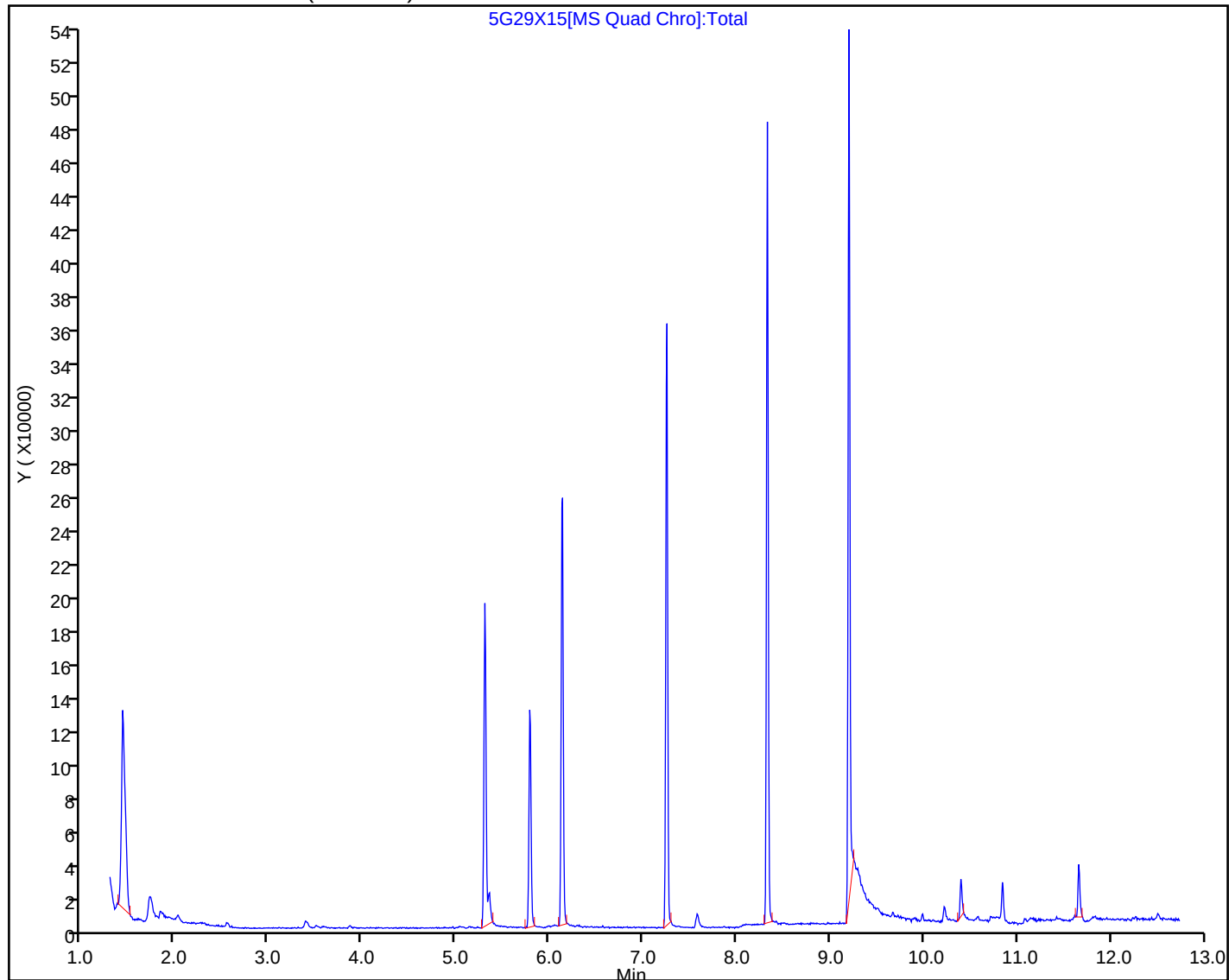
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

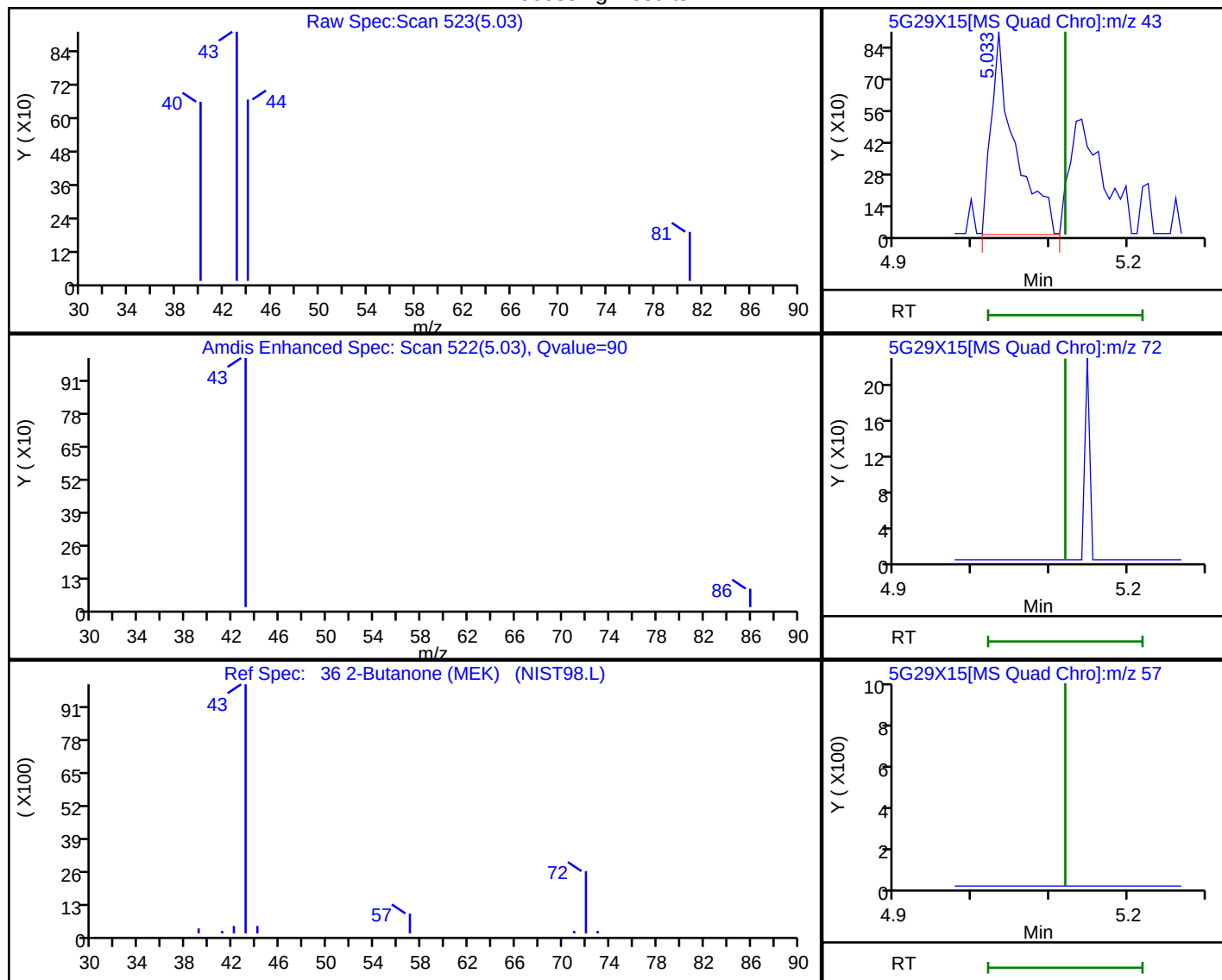


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X15.D
Injection Date: 29-Aug-2024 16:12:58 Instrument ID: HP22820
Lims ID: 410-186273-A-7 Lab Sample ID: 410-186273-7
Client ID: 1190
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.03	43.00	1926	0.166909
5.12	72.00	0	
5.12	57.00	0	

Reviewer: MLX9, 30-Aug-2024 08:15:02 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

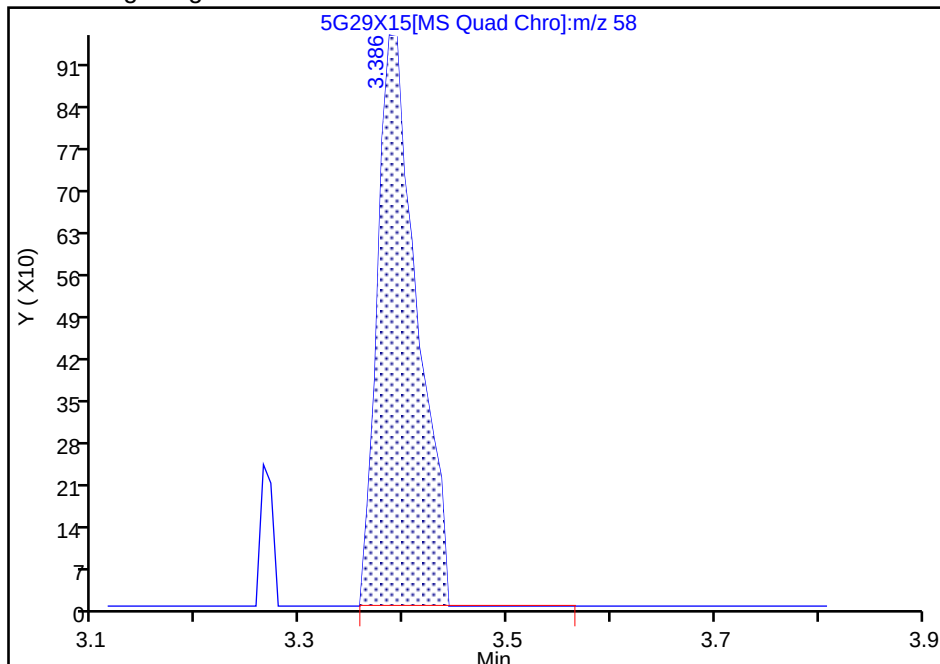
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X15.D				
Injection Date:	29-Aug-2024 16:12:58	Instrument ID:	HP22820		
Lims ID:	410-186273-A-7	Lab Sample ID:	410-186273-7		
Client ID:	1190				
Operator ID:	bc85445	ALS Bottle#:	0	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector:	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 2

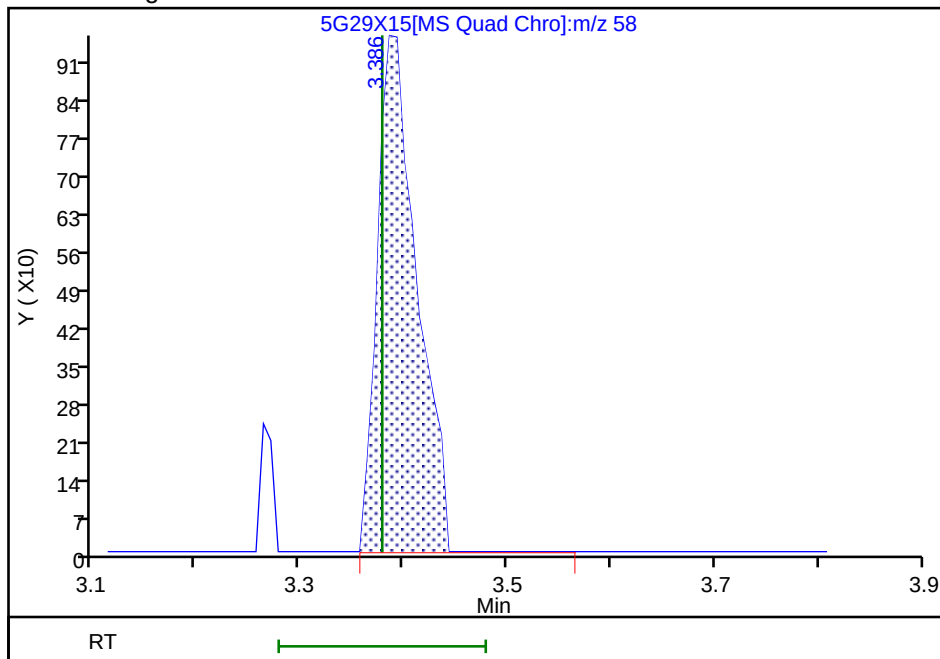
RT: 3.39
Area: 2511
Amount: 0.770306
Amount Units: ppb v/v

Processing Integration Results



RT: 3.39
Area: 2511
Amount: 0.770306
Amount Units: ppb v/v

Manual Integration Results



Reviewer: MLX9, 30-Aug-2024 08:15:05 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

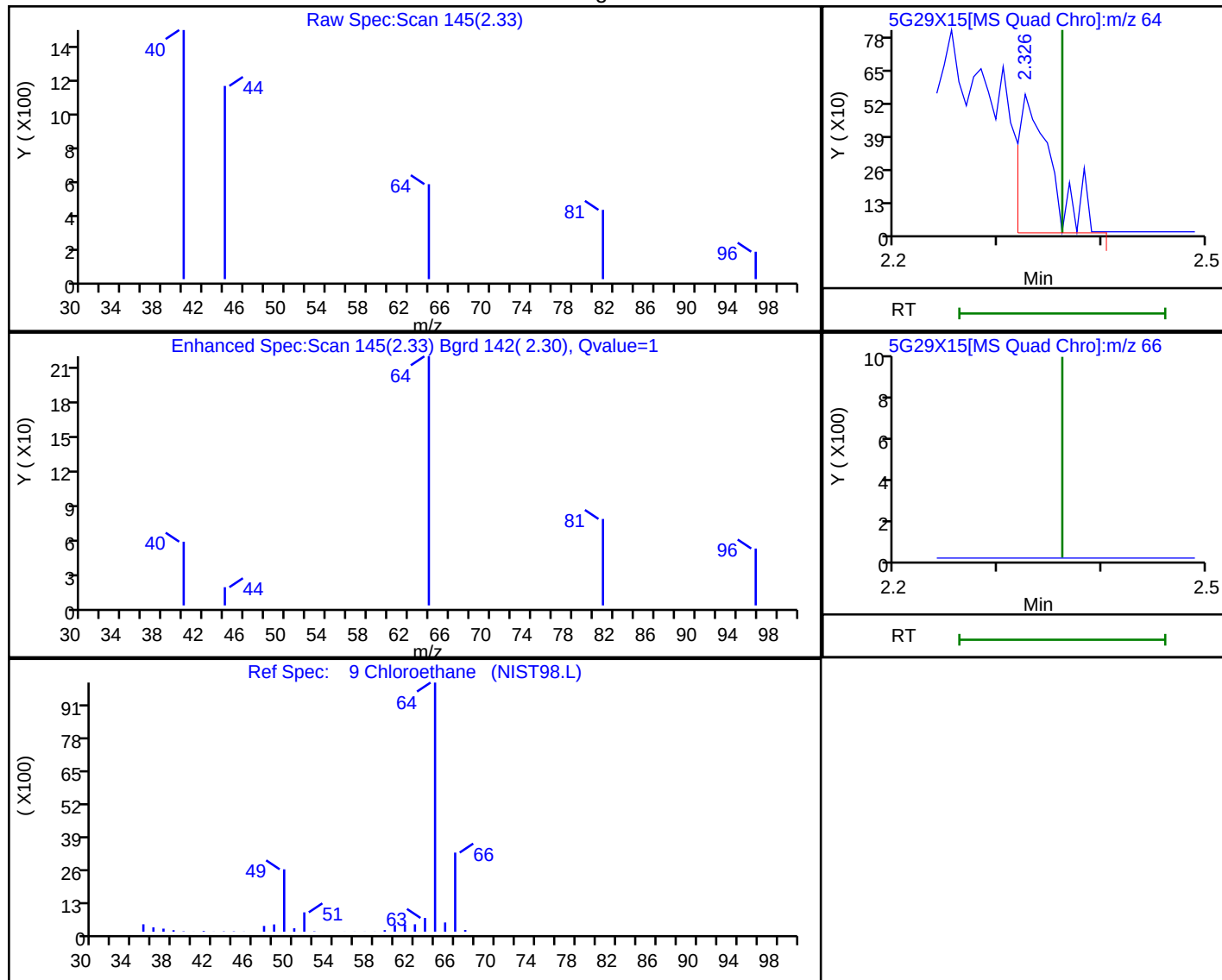
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X15.D
Injection Date: 29-Aug-2024 16:12:58 Instrument ID: HP22820
Lims ID: 410-186273-A-7 Lab Sample ID: 410-186273-7
Client ID: 1190
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.33	64.00	1116	0.209980
2.36	66.00	0	

Reviewer: MLX9, 30-Aug-2024 08:15:09 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-186273-1
SDG No.:	
Client Sample ID: 1034	Lab Sample ID: 410-186273-8
Matrix: Air	Lab File ID: 5G29X16.D
Analysis Method: TO-15	Date Collected: 08/28/2024 07:58
Sample wt/vol: 200 (mL)	Date Analyzed: 08/29/2024 16:37
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 30m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 545860	Units: ppb v/v
Preparation Batch No.:	Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	0.21	J	1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	1.2	J	5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1034 Lab Sample ID: 410-186273-8

Matrix: Air Lab File ID: 5G29X16.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 16:37

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-186273-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1034 Lab Sample ID: 410-186273-8

Matrix: Air Lab File ID: 5G29X16.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 16:37

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-186273-1

SDG No.:

Client Sample ID: 1034 Lab Sample ID: 410-186273-8

Matrix: Air Lab File ID: 5G29X16.D

Analysis Method: TO-15 Date Collected: 08/28/2024 07:58

Sample wt/vol: 200 (mL) Date Analyzed: 08/29/2024 16:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 30m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 545860 Units: ppb v/v

Preparation Batch No.: Instrument ID: Agilent 7890/5977

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X16.D
Lims ID: 410-186273-A-8
Client ID: 1034
Sample Type: Client
Inject. Date: 29-Aug-2024 16:37:59 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1034
Misc. Info.: 410-0123593-016
Operator ID: bcb85445 Instrument ID: HP22820
Method: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 30-Aug-2024 09:21:51 Calib Date: 23-Aug-2024 16:06:31
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20240823-123081.b\5G23X11.D
Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1689

First Level Reviewer: MLX9

Date: 30-Aug-2024 08:16:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.386	3.393	0.007	96	13605	1.19	
36 2-Butanone (MEK)	43	5.134	5.134	0.015	96	2500	0.2116	
* 39 Chlorobromomethane (IS)	130	5.306	5.306	0.000	76	77340	10.0	
* 51 1,4-Difluorobenzene	114	6.129	6.129	0.000	91	191915	10.0	
* 72 Chlorobenzene-d5 (IS)	117	8.328	8.328	0.000	80	249251	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00322

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 30-Aug-2024 09:22:23

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X16.D

Injection Date: 29-Aug-2024 16:37:59

Instrument ID: HP22820

Lims ID: 410-186273-A-8

Lab Sample ID: 410-186273-8

Client ID: 1034

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 16

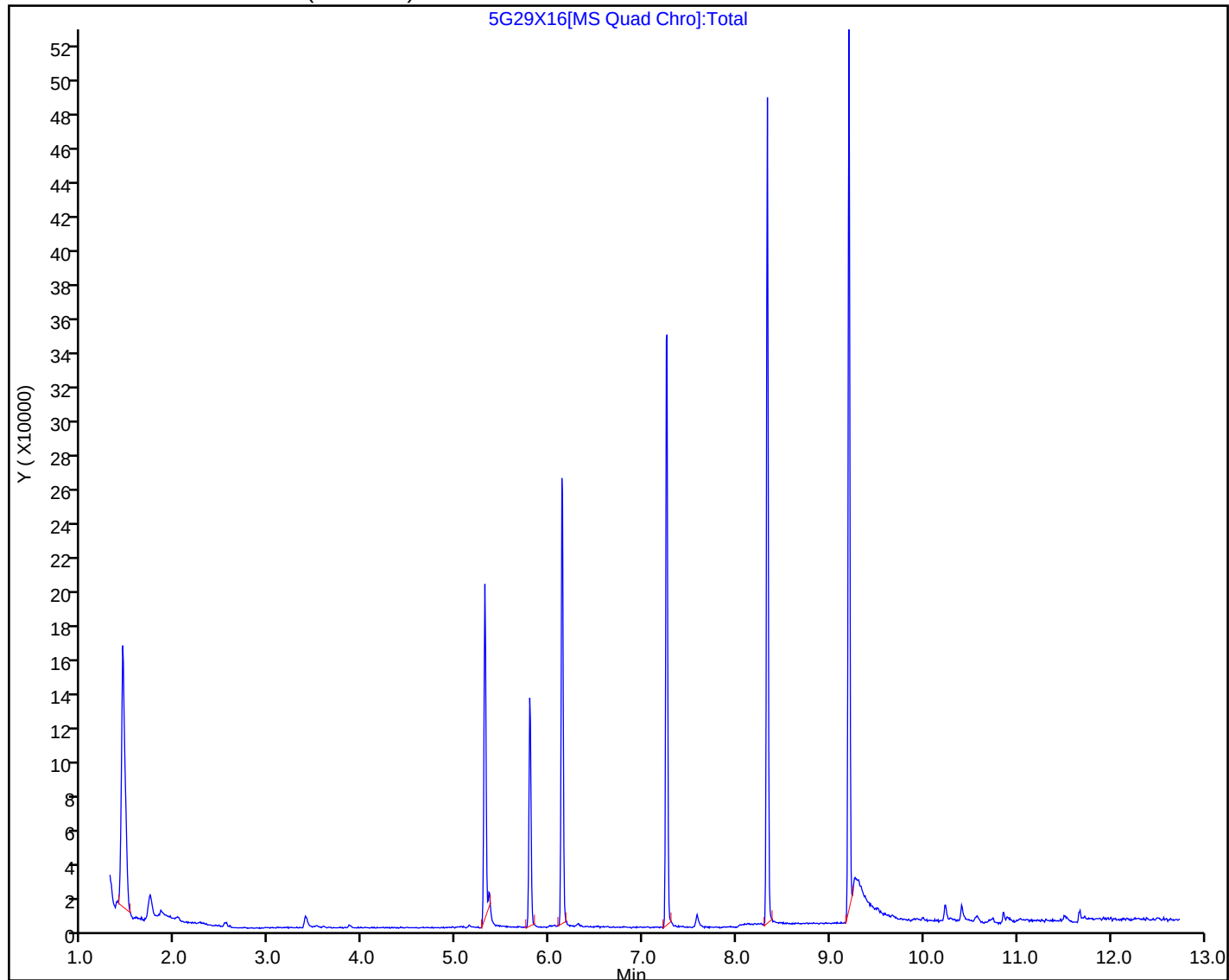
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X16.D

Injection Date: 29-Aug-2024 16:37:59

Instrument ID: HP22820

Lims ID: 410-186273-A-8

Lab Sample ID: 410-186273-8

Client ID: 1034

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 16

Purge Vol: 200.000 mL

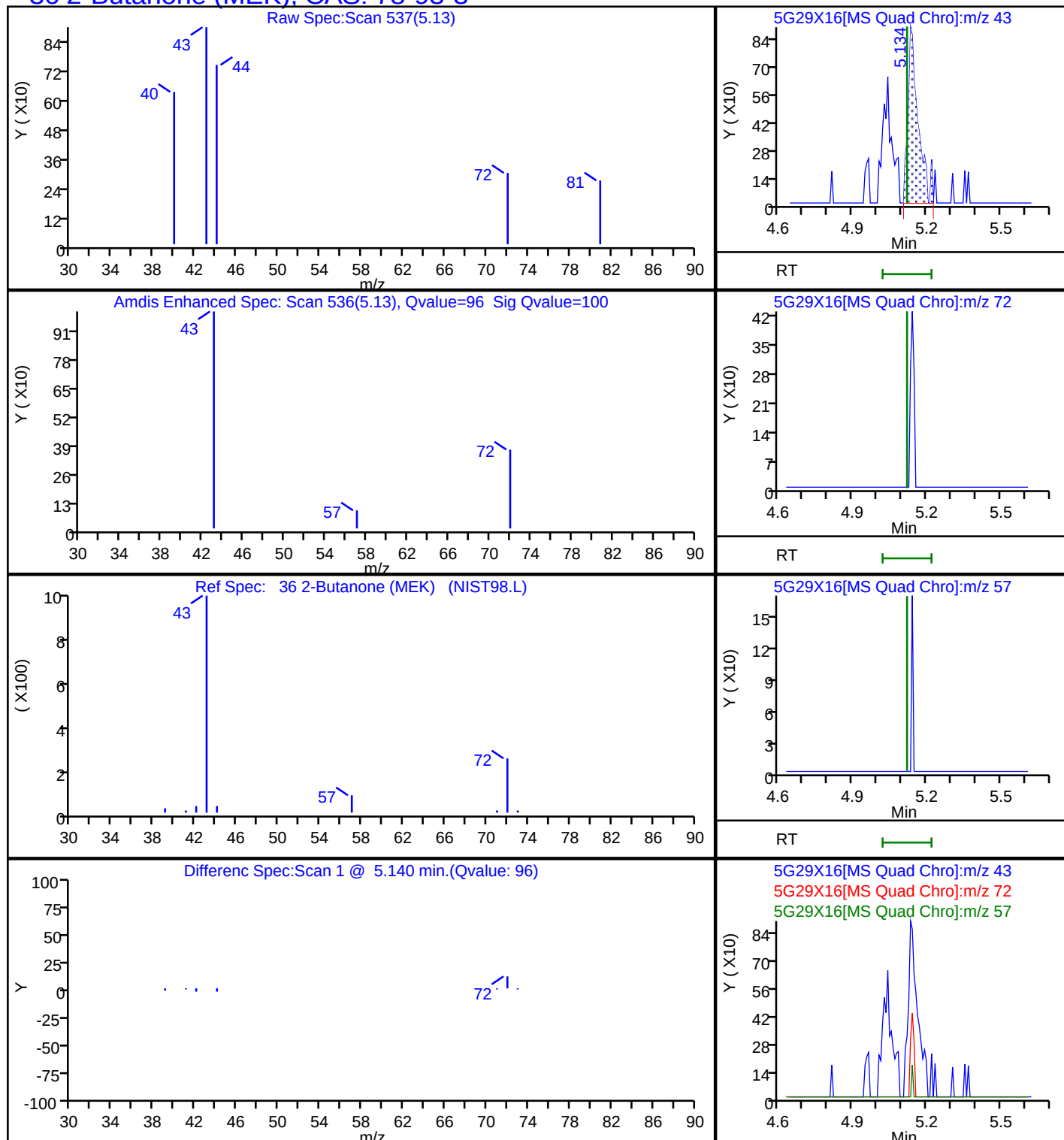
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

36 2-Butanone (MEK), CAS: 78-93-3

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X16.D

Injection Date: 29-Aug-2024 16:37:59

Instrument ID: HP22820

Lims ID: 410-186273-A-8

Lab Sample ID: 410-186273-8

Client ID: 1034

Operator ID: bcb85445

ALS Bottle#: 0

Worklist Smp#: 16

Purge Vol: 200.000 mL

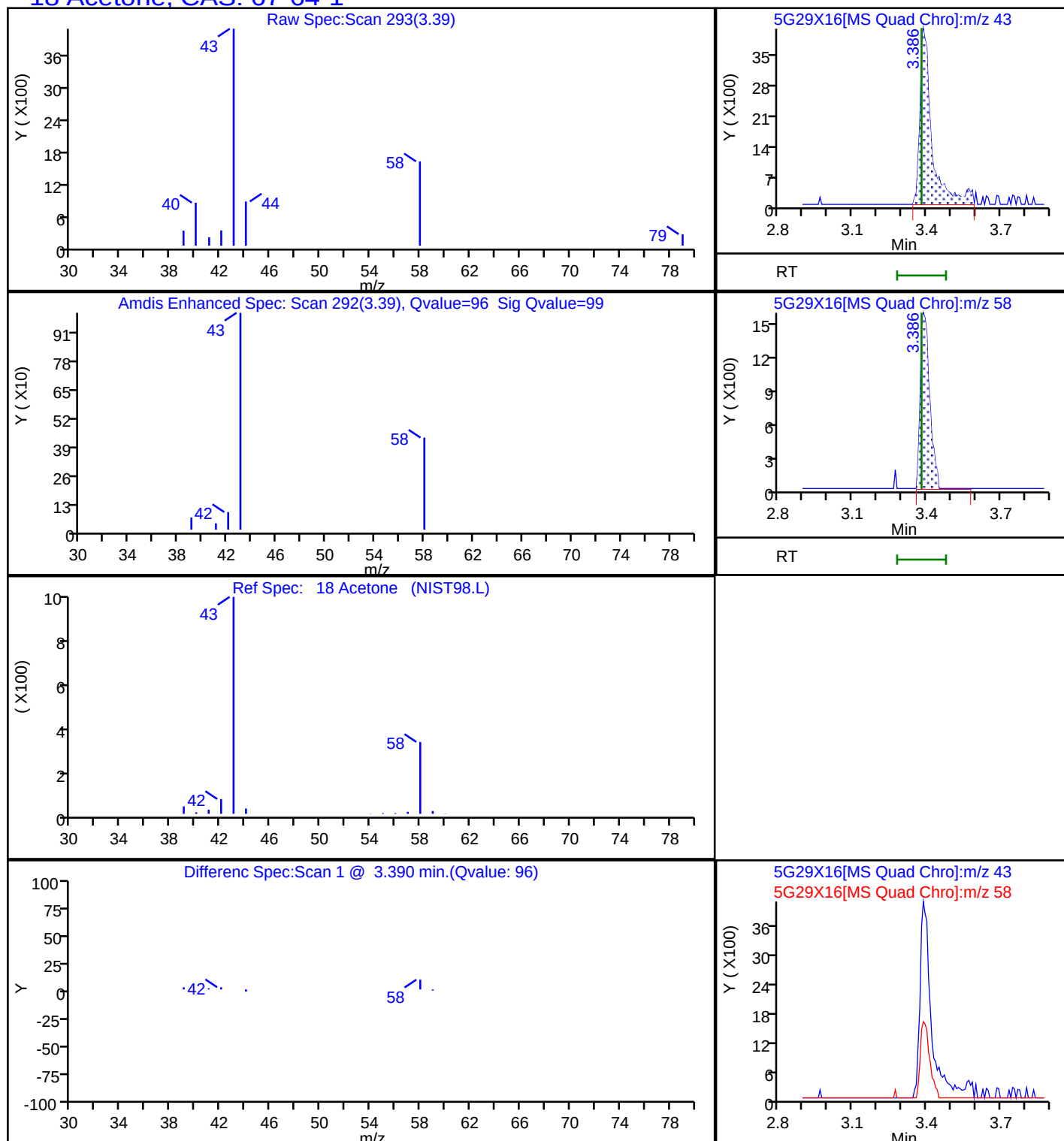
Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820

Limit Group: MSV - TO15

Column: DB-624 30m .25mm (0.25 mm)

Detector: MS Quad

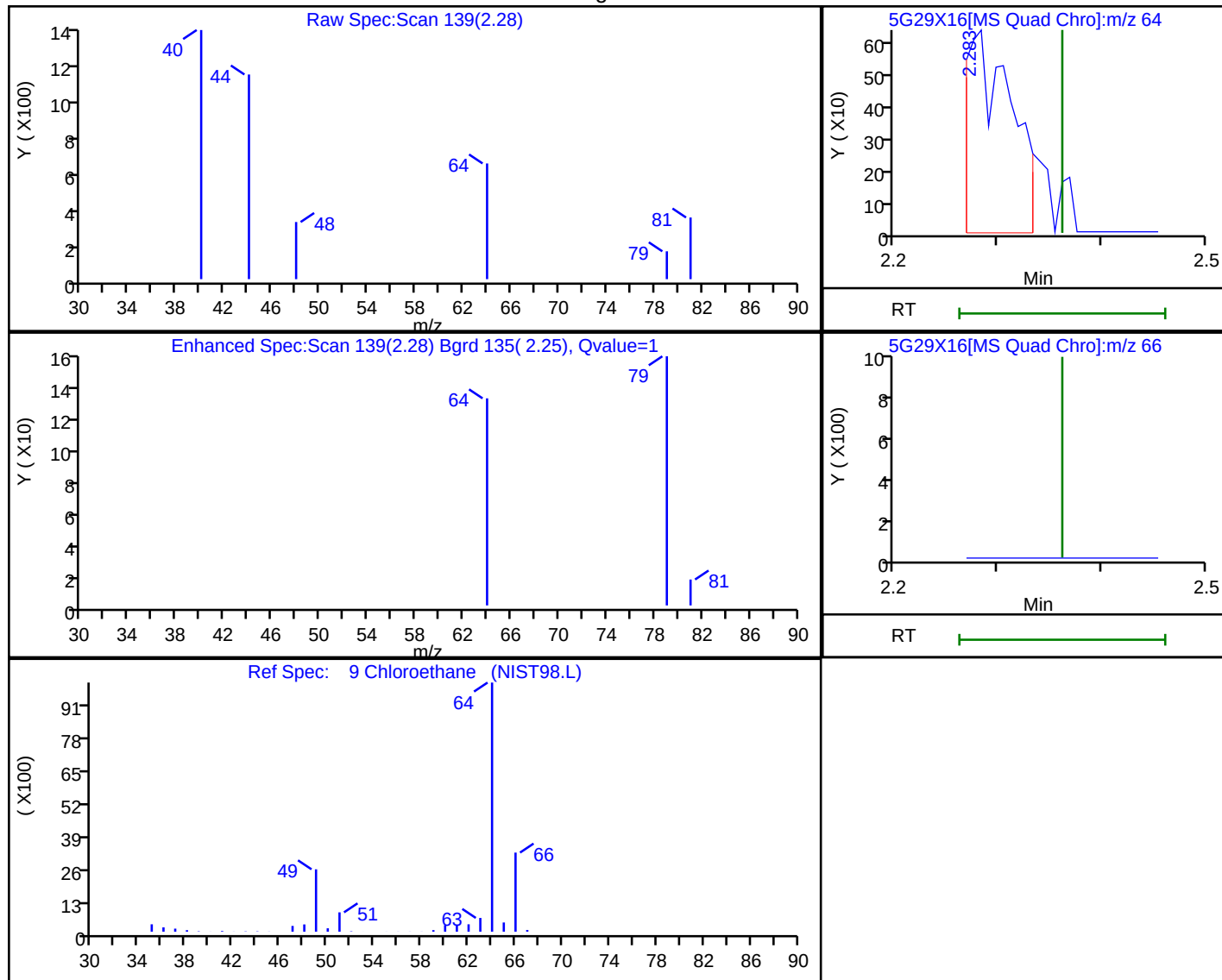
18 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20240829-123593.b\5G29X16.D
Injection Date: 29-Aug-2024 16:37:59 Instrument ID: HP22820
Lims ID: 410-186273-A-8 Lab Sample ID: 410-186273-8
Client ID: 1034
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

9 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.28	64.00	1772	0.325558
2.36	66.00	0	

Reviewer: MLX9, 30-Aug-2024 08:16:03 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1443 Lab Sample ID: 410-197119-1

Matrix: Air Lab File ID: 6N15X16.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 15:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-197119-1
SDG No.:	
Client Sample ID: 1443	Lab Sample ID: 410-197119-1
Matrix: Air	Lab File ID: 6N15X16.D
Analysis Method: TO-15	Date Collected: 11/15/2024 09:32
Sample wt/vol: 200 (mL)	Date Analyzed: 11/15/2024 15:32
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: Rtx-VMS 60m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 575423	Units: ppb v/v
Preparation Batch No.:	Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1443 Lab Sample ID: 410-197119-1

Matrix: Air Lab File ID: 6N15X16.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 15:32

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Client Sample ID: 1443

Lab Sample ID: 410-197119-1

Lab File ID: 6N15X16.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 15:32

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D
Lims ID: 410-197119-A-1
Client ID: 1443
Sample Type: Client
Inject. Date: 15-Nov-2024 15:32:53 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1443
Misc. Info.: 410-0130751-015
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:45:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.415	3.426	0.003	66	4866	0.8345	a
21 Carbon disulfide	76	3.599	3.599	0.000	62	1607	0.0853	
* 39 Chlorobromomethane (IS)	130	5.192	5.196	-0.004	76	96778	10.0	
49 Isooctane	57	5.874	5.871	0.007	35	2385	0.0826	
* 52 1,4-Difluorobenzene	114	6.137	6.137	0.000	91	338163	10.0	
70 Tetrachloroethene	166	7.981	7.981	0.000	84	3243	0.1590	
* 74 Chlorobenzene-d5 (IS)	117	8.690	8.690	0.000	80	327137	10.0	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:23

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D

Injection Date: 15-Nov-2024 15:32:53

Instrument ID: HP26379

Lims ID: 410-197119-A-1

Lab Sample ID: 410-197119-1

Client ID: 1443

Operator ID: sn105465

ALS Bottle#: 7 Worklist Smp#: 15

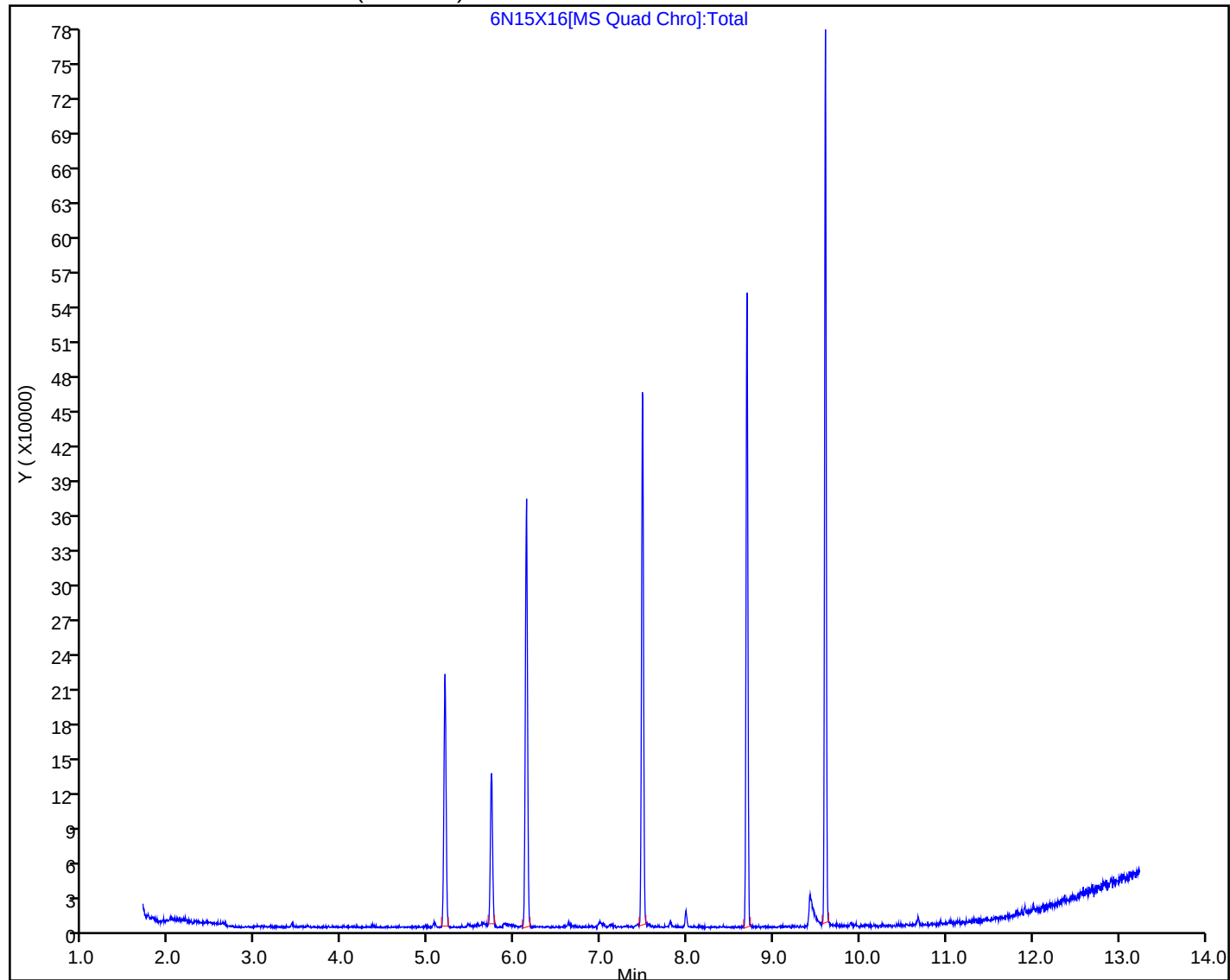
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)

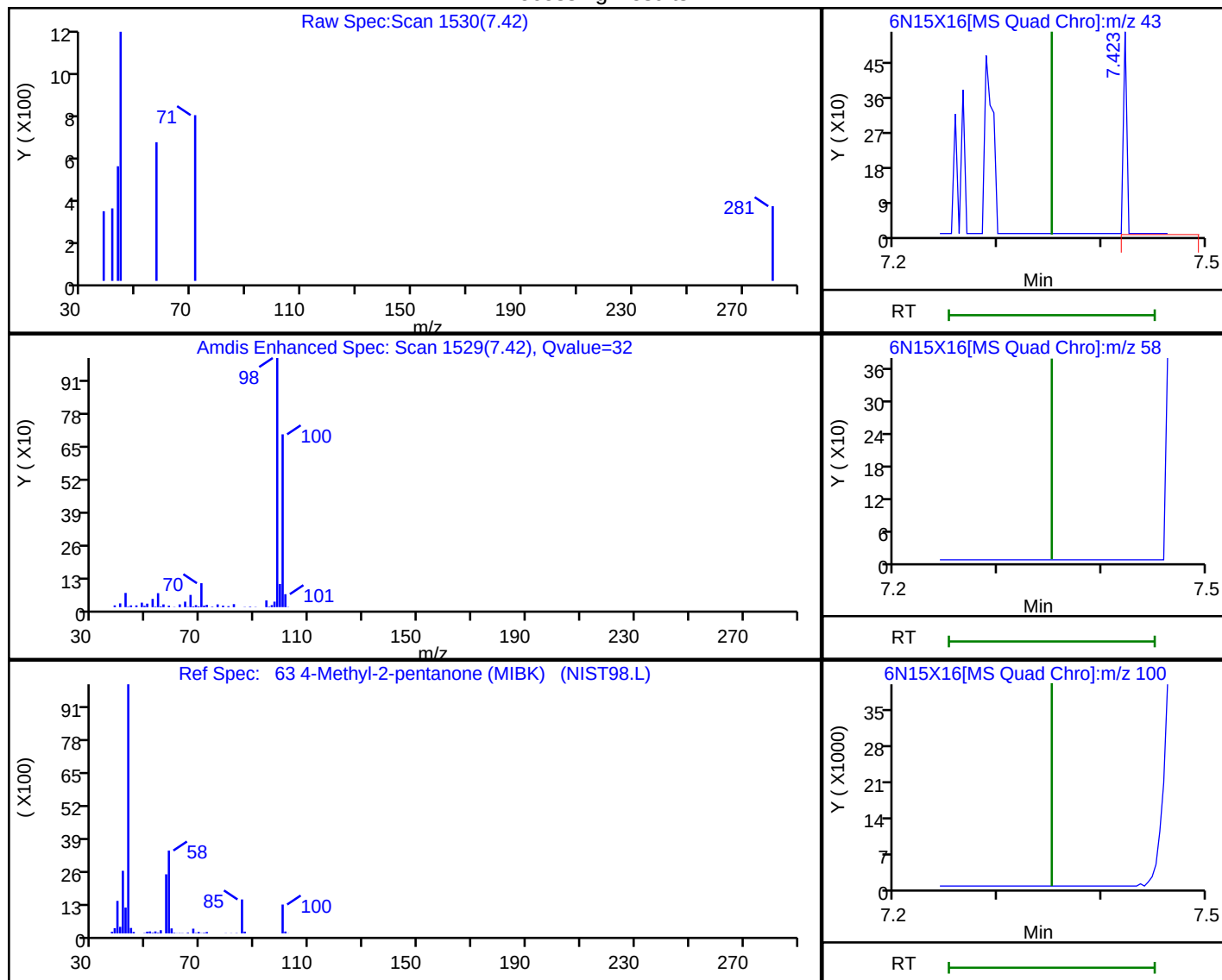


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D
Injection Date: 15-Nov-2024 15:32:53 Instrument ID: HP26379
Lims ID: 410-197119-A-1 Lab Sample ID: 410-197119-1
Client ID: 1443
Operator ID: sn105465 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

63 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.42	43.00	680	0.084200
7.48	58.00	1772	
7.48	100.00	213940	

Reviewer: D7UM, 17-Nov-2024 09:45:09 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D				
Injection Date:	15-Nov-2024 15:32:53	Instrument ID:	HP26379		
Lims ID:	410-197119-A-1	Lab Sample ID:	410-197119-1		
Client ID:	1443				
Operator ID:	sn105465	ALS Bottle#:	7	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

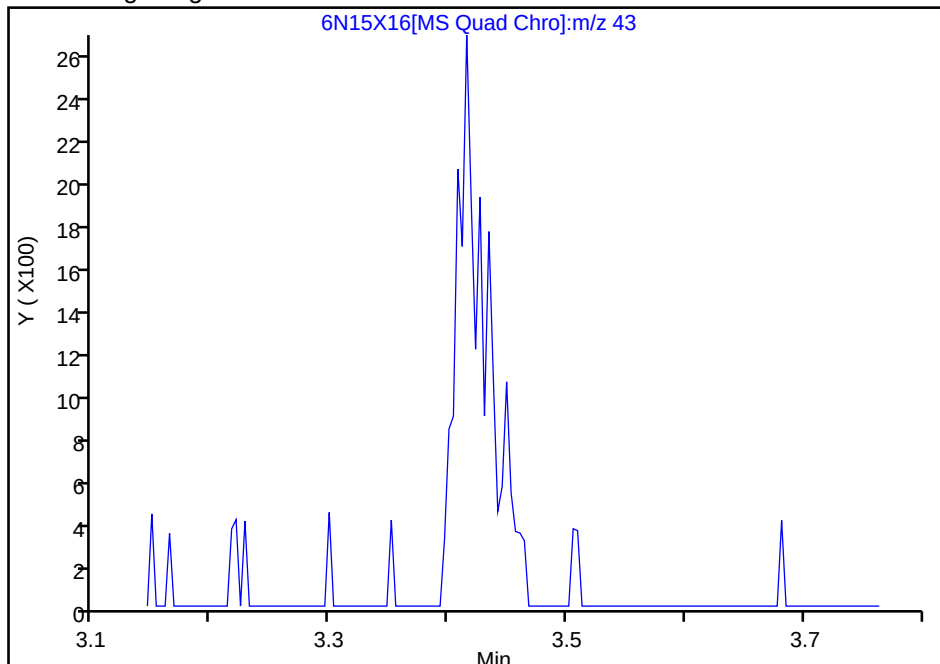
18 Acetone, CAS: 67-64-1

Signal: 1

Not Detected

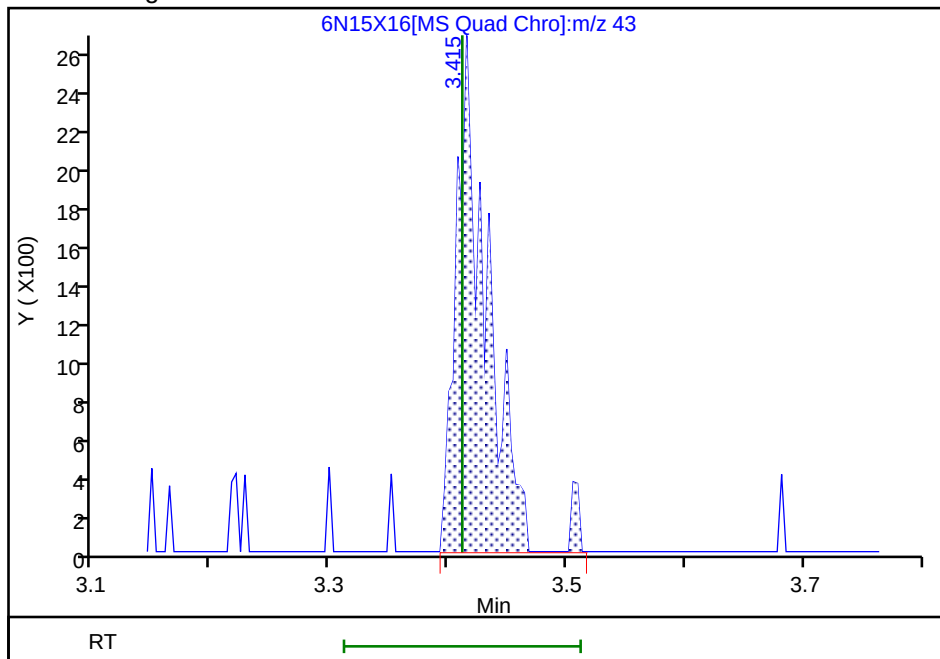
Expected RT: 3.41

Processing Integration Results



Manual Integration Results

RT: 3.42
Area: 4866
Amount: 0.834474
Amount Units: ppb v/v



Reviewer: D7UM, 17-Nov-2024 09:44:49 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

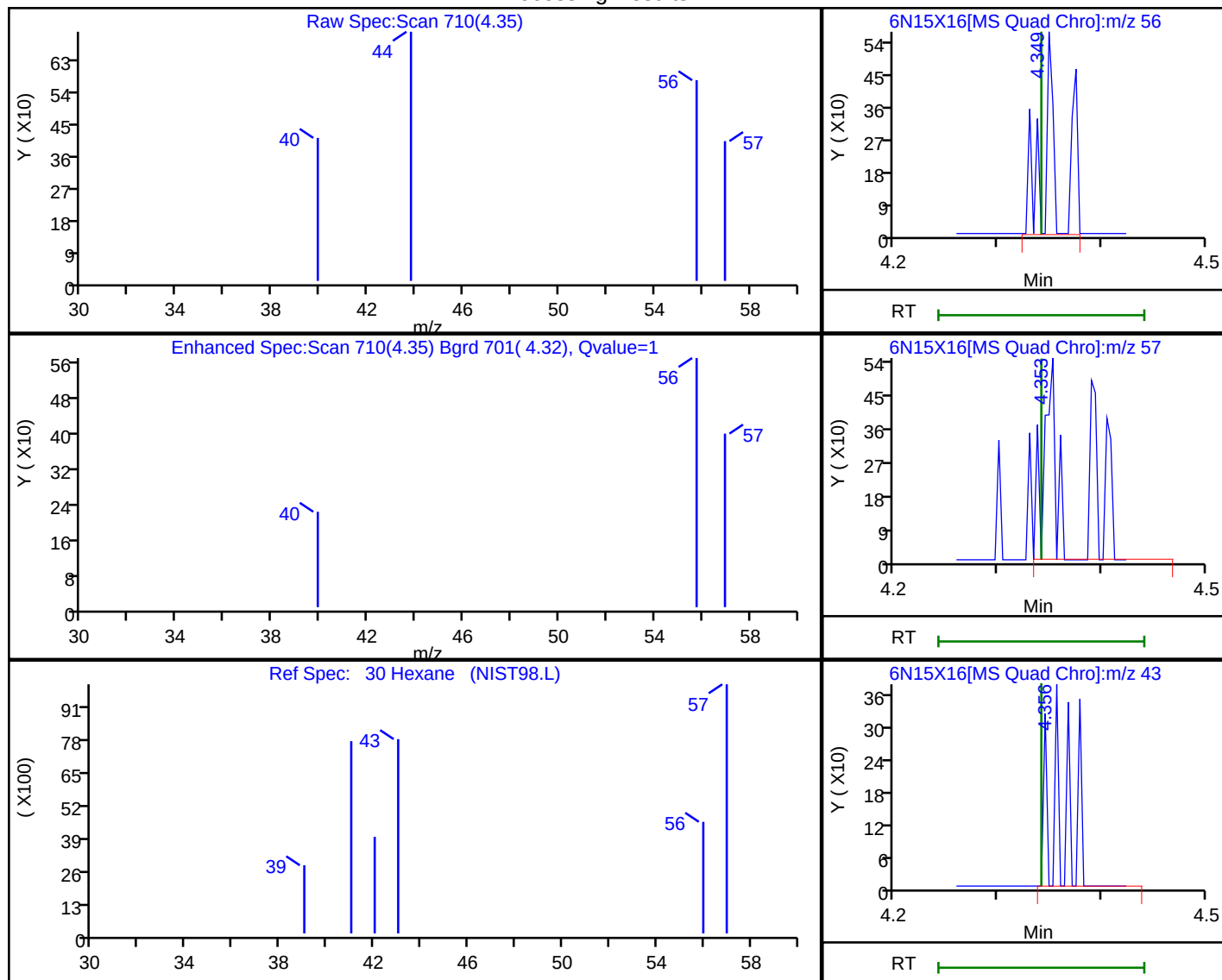
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D
Injection Date: 15-Nov-2024 15:32:53 Instrument ID: HP26379
Lims ID: 410-197119-A-1 Lab Sample ID: 410-197119-1
Client ID: 1443
Operator ID: sn105465 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.35	56.00	538	0.115511
4.35	57.00	833	
4.36	43.00	398	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:54:56 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

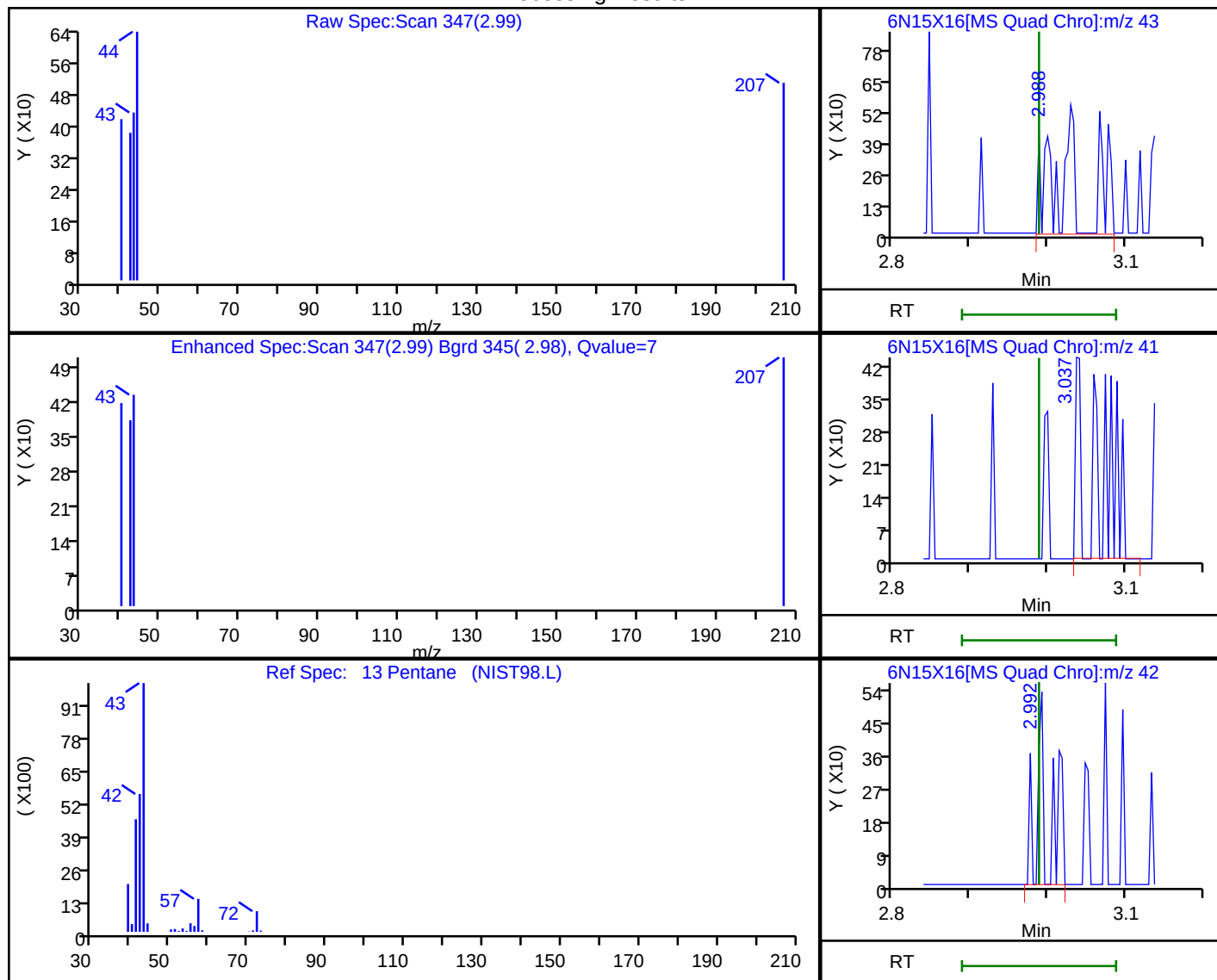
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D
Injection Date: 15-Nov-2024 15:32:53 Instrument ID: HP26379
Lims ID: 410-197119-A-1 Lab Sample ID: 410-197119-1
Client ID: 1443
Operator ID: sn105465 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
2.99	43.00	1145	0.160290
3.04	41.00	699	
2.99	42.00	526	

Reviewer: D7UM, 17-Nov-2024 09:44:42 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

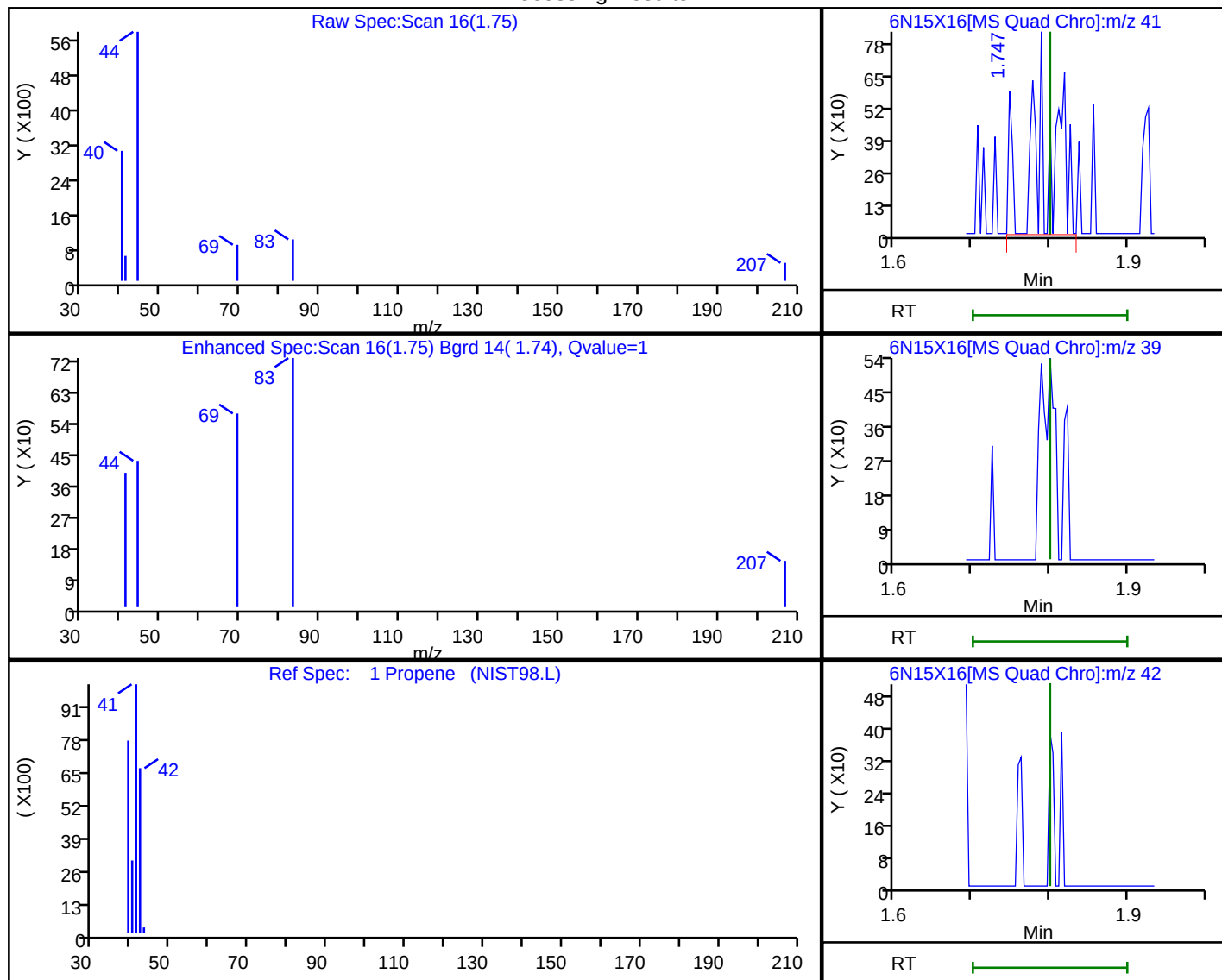
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D
Injection Date: 15-Nov-2024 15:32:53 Instrument ID: HP26379
Lims ID: 410-197119-A-1 Lab Sample ID: 410-197119-1
Client ID: 1443
Operator ID: sn105465 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.75	41.00	1369	0.390578
1.80	39.00	0	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:44:38 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

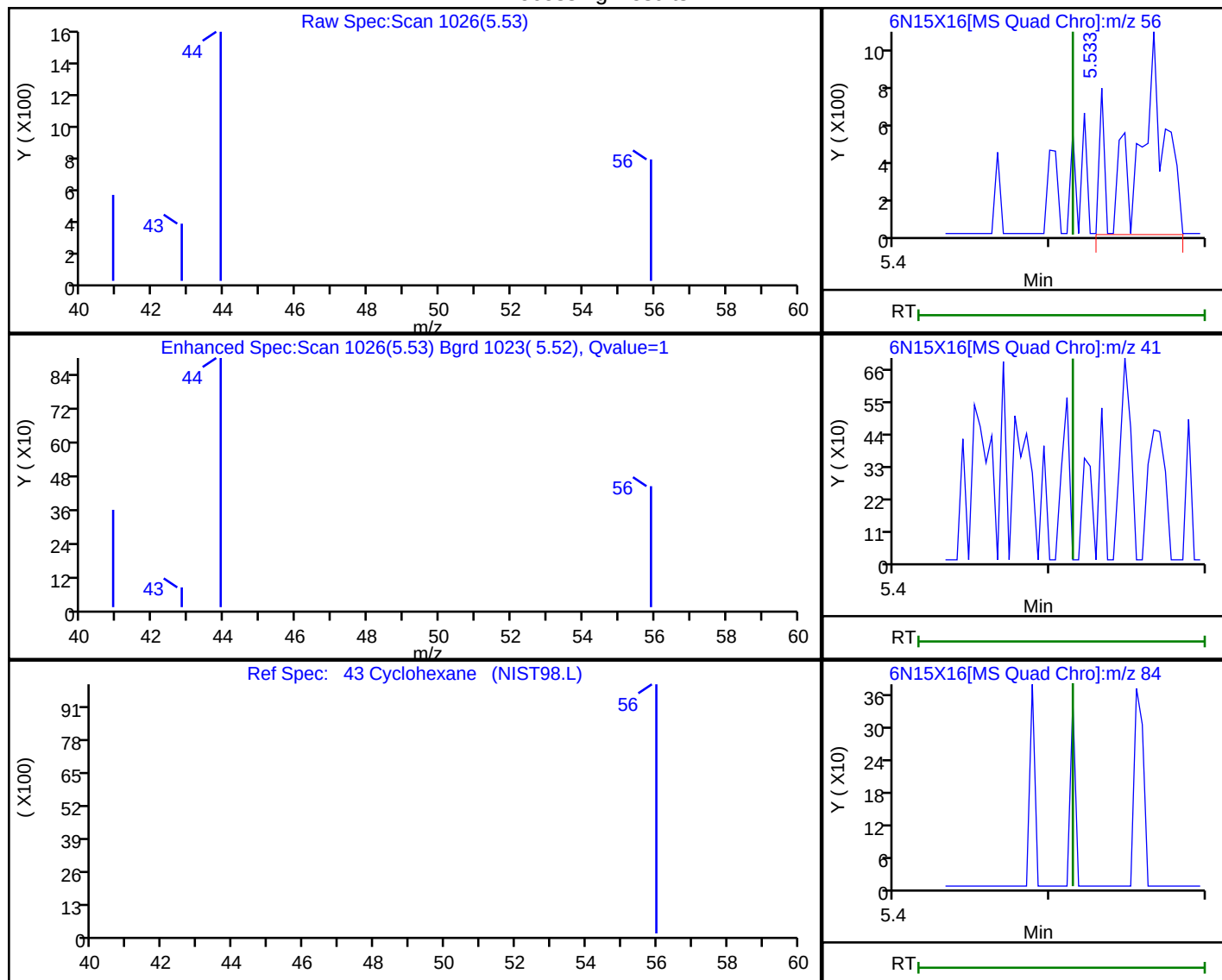
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X16.D
Injection Date: 15-Nov-2024 15:32:53 Instrument ID: HP26379
Lims ID: 410-197119-A-1 Lab Sample ID: 410-197119-1
Client ID: 1443
Operator ID: sn105465 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.53	56.00	1314	0.141049
5.55	41.00	785	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:45:02 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1117 Lab Sample ID: 410-197119-2

Matrix: Air Lab File ID: 6N15X17.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:01

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1117 Lab Sample ID: 410-197119-2

Matrix: Air Lab File ID: 6N15X17.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:01

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1117 Lab Sample ID: 410-197119-2

Matrix: Air Lab File ID: 6N15X17.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:01

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Job No.: 410-197119-1

Client Sample ID: 1117

Lab Sample ID: 410-197119-2

Lab File ID: 6N15X17.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 16:01

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X17.D
Lims ID: 410-197119-A-2
Client ID: 1117
Sample Type: Client
Inject. Date: 15-Nov-2024 16:01:15 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1117
Misc. Info.: 410-0130751-016
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:46:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.426	3.426	0.014	67	3067	0.5378	
21 Carbon disulfide	76	3.603	3.599	0.004	94	3290	0.1785	
* 39 Chlorobromomethane (IS)	130	5.188	5.196	-0.008	77	94647	10.0	
49 Isooctane	57	5.878	5.871	0.011	44	6072	0.2180	
* 52 1,4-Difluorobenzene	114	6.137	6.137	0.000	91	326137	10.0	
* 74 Chlorobenzene-d5 (IS)	117	8.693	8.690	0.003	80	315813	10.0	
106 Naphthalene	128	12.007	12.015	-0.008	94	11389	0.2683	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:25

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X17.D

Injection Date: 15-Nov-2024 16:01:15

Instrument ID: HP26379

Lims ID: 410-197119-A-2

Lab Sample ID: 410-197119-2

Client ID: 1117

Operator ID: sn105465

ALS Bottle#: 8 Worklist Smp#: 16

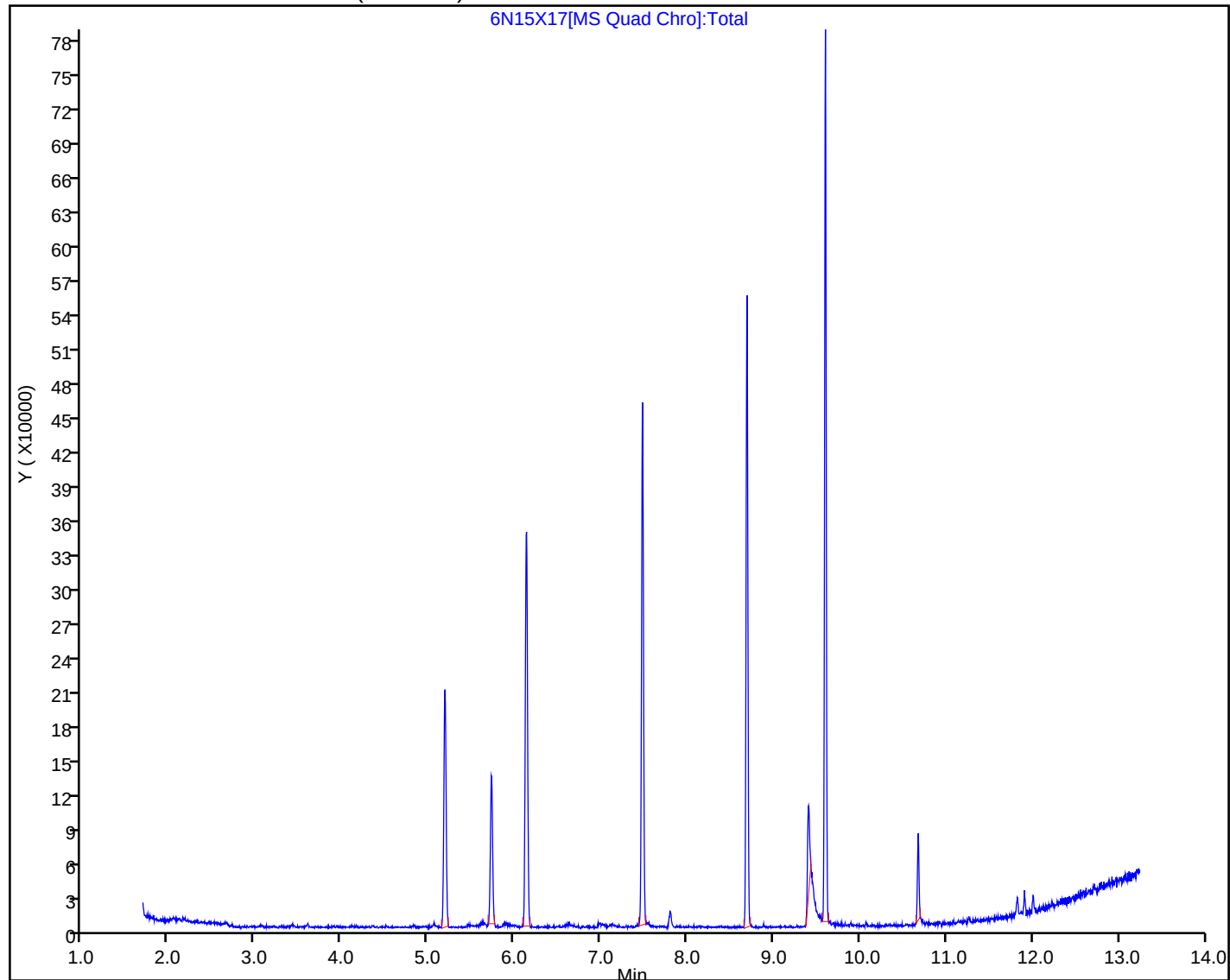
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)

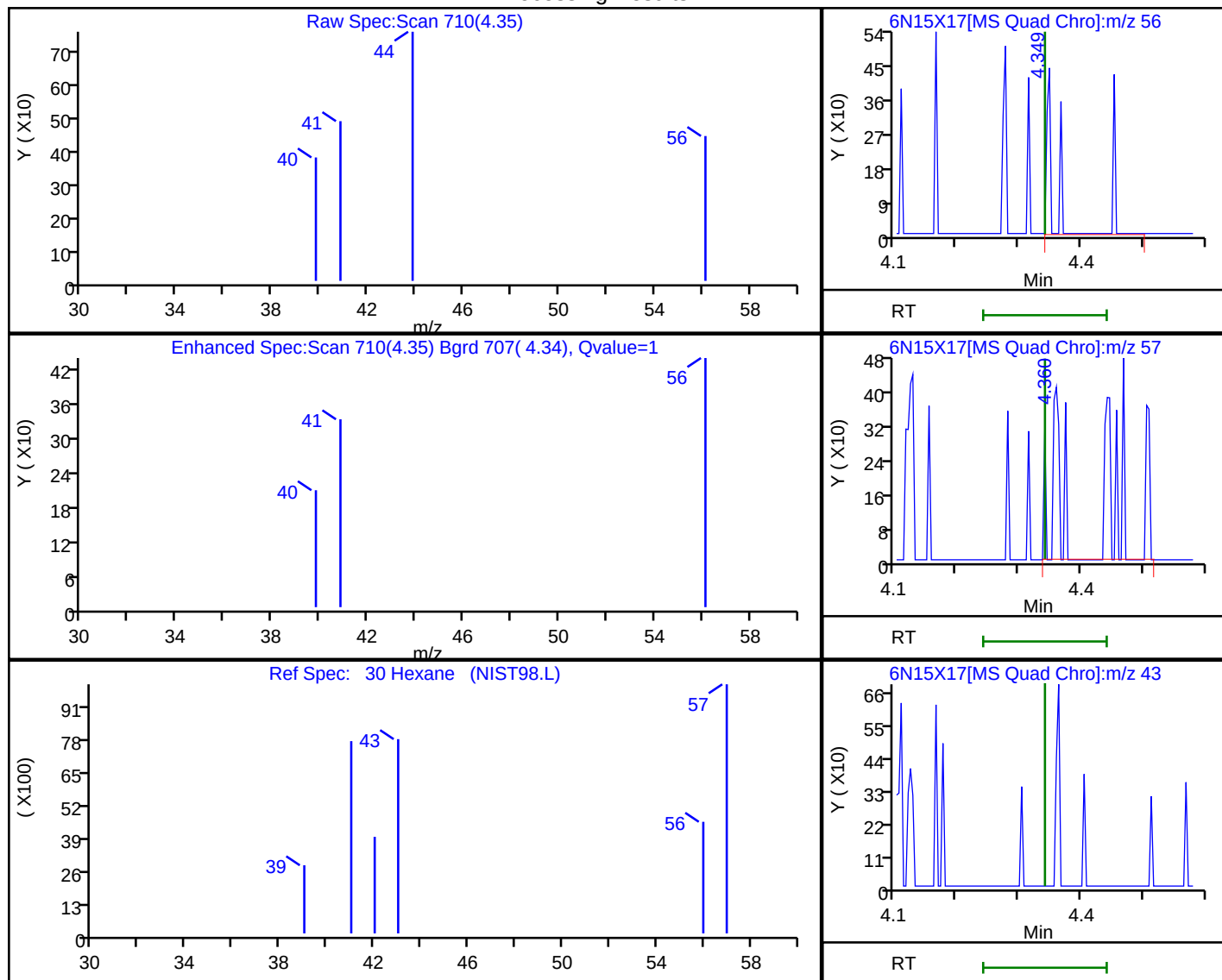


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X17.D
Injection Date: 15-Nov-2024 16:01:15 Instrument ID: HP26379
Lims ID: 410-197119-A-2 Lab Sample ID: 410-197119-2
Client ID: 1117
Operator ID: sn105465 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.35	56.00	344	0.075521
4.36	57.00	995	
4.34	43.00	0	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:45:50 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

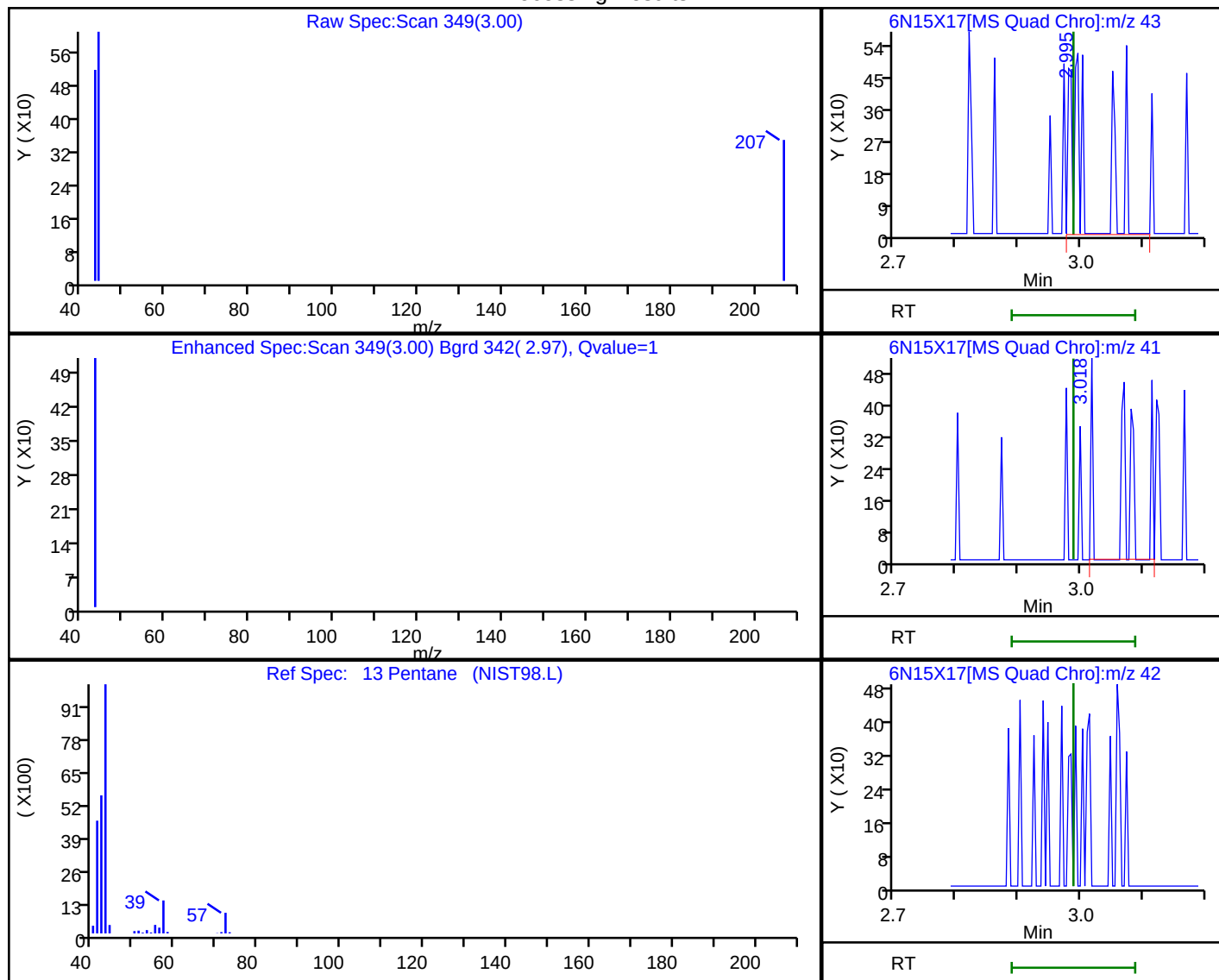
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X17.D
Injection Date: 15-Nov-2024 16:01:15 Instrument ID: HP26379
Lims ID: 410-197119-A-2 Lab Sample ID: 410-197119-2
Client ID: 1117
Operator ID: sn105465 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
3.00	43.00	840	0.120240
3.02	41.00	564	
2.99	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:45:43 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

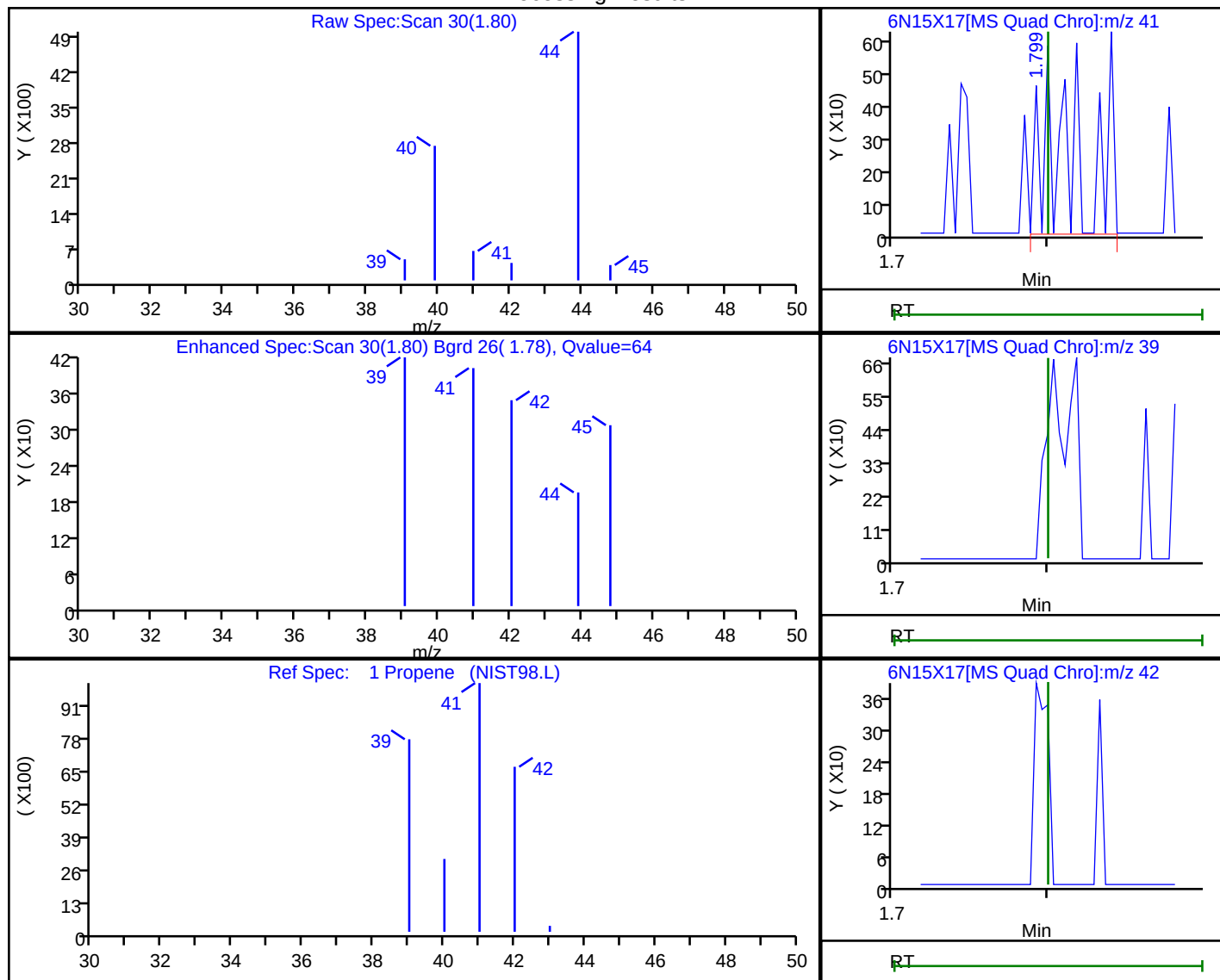
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X17.D
Injection Date: 15-Nov-2024 16:01:15 Instrument ID: HP26379
Lims ID: 410-197119-A-2 Lab Sample ID: 410-197119-2
Client ID: 1117
Operator ID: sn105465 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.80	41.00	786	0.229296
1.80	39.00	0	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:45:37 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

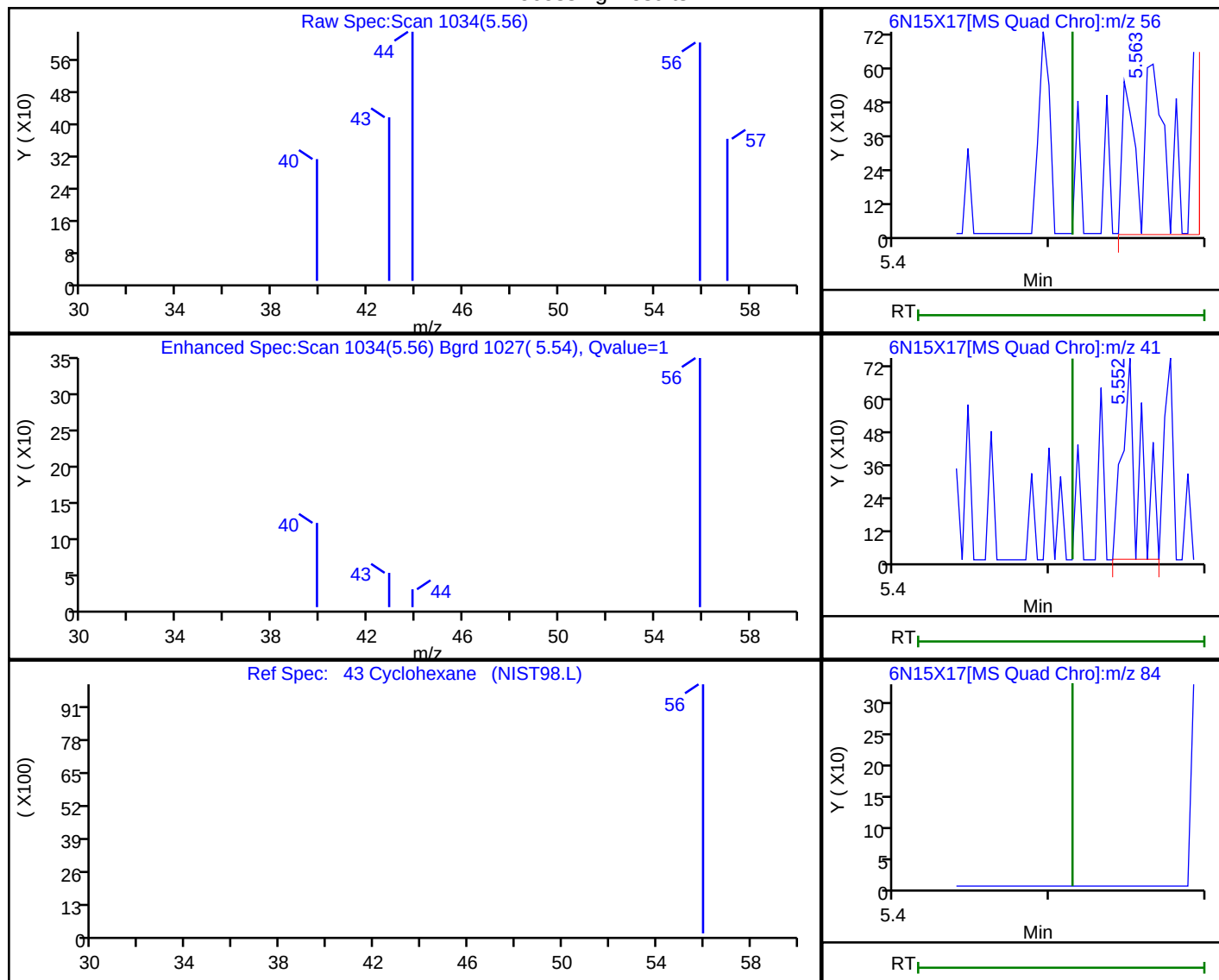
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X17.D
Injection Date: 15-Nov-2024 16:01:15 Instrument ID: HP26379
Lims ID: 410-197119-A-2 Lab Sample ID: 410-197119-2
Client ID: 1117
Operator ID: sn105465 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.56	56.00	1005	0.110309
5.55	41.00	566	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:45:54 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1192 Lab Sample ID: 410-197119-3

Matrix: Air Lab File ID: 6N15X18.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1192 Lab Sample ID: 410-197119-3

Matrix: Air Lab File ID: 6N15X18.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1192 Lab Sample ID: 410-197119-3

Matrix: Air Lab File ID: 6N15X18.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Lab Sample ID: 410-197119-3

Lab File ID: 6N15X18.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 16:29

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Lims ID: 410-197119-A-3
Client ID: 1192
Sample Type: Client
Inject. Date: 15-Nov-2024 16:29:37 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1192
Misc. Info.: 410-0130751-017
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:48:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.415	3.426	0.003	74	2303	0.3952	M
21 Carbon disulfide	76	3.595	3.599	-0.004	47	4956	0.2632	
* 39 Chlorobromomethane (IS)	130	5.192	5.196	-0.004	75	96704	10.0	
49 Isooctane	57	5.871	5.871	0.004	39	1118	0.0393	7M
* 52 1,4-Difluorobenzene	114	6.133	6.137	-0.004	91	333311	10.0	
* 74 Chlorobenzene-d5 (IS)	117	8.690	8.690	0.000	80	326468	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:26

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D

Injection Date: 15-Nov-2024 16:29:37

Instrument ID: HP26379

Lims ID: 410-197119-A-3

Lab Sample ID: 410-197119-3

Client ID: 1192

Operator ID: sn105465

ALS Bottle#: 9 Worklist Smp#: 17

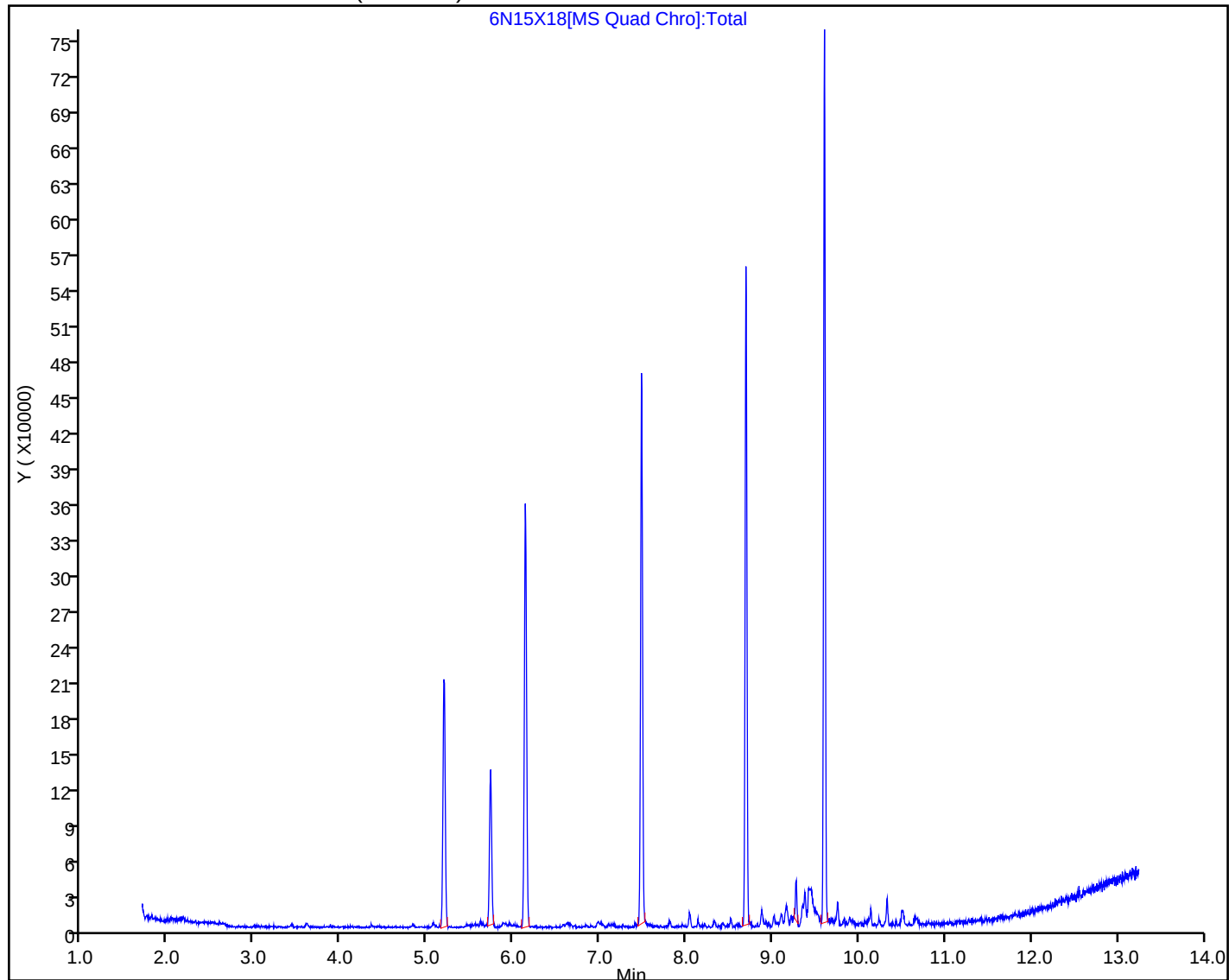
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)

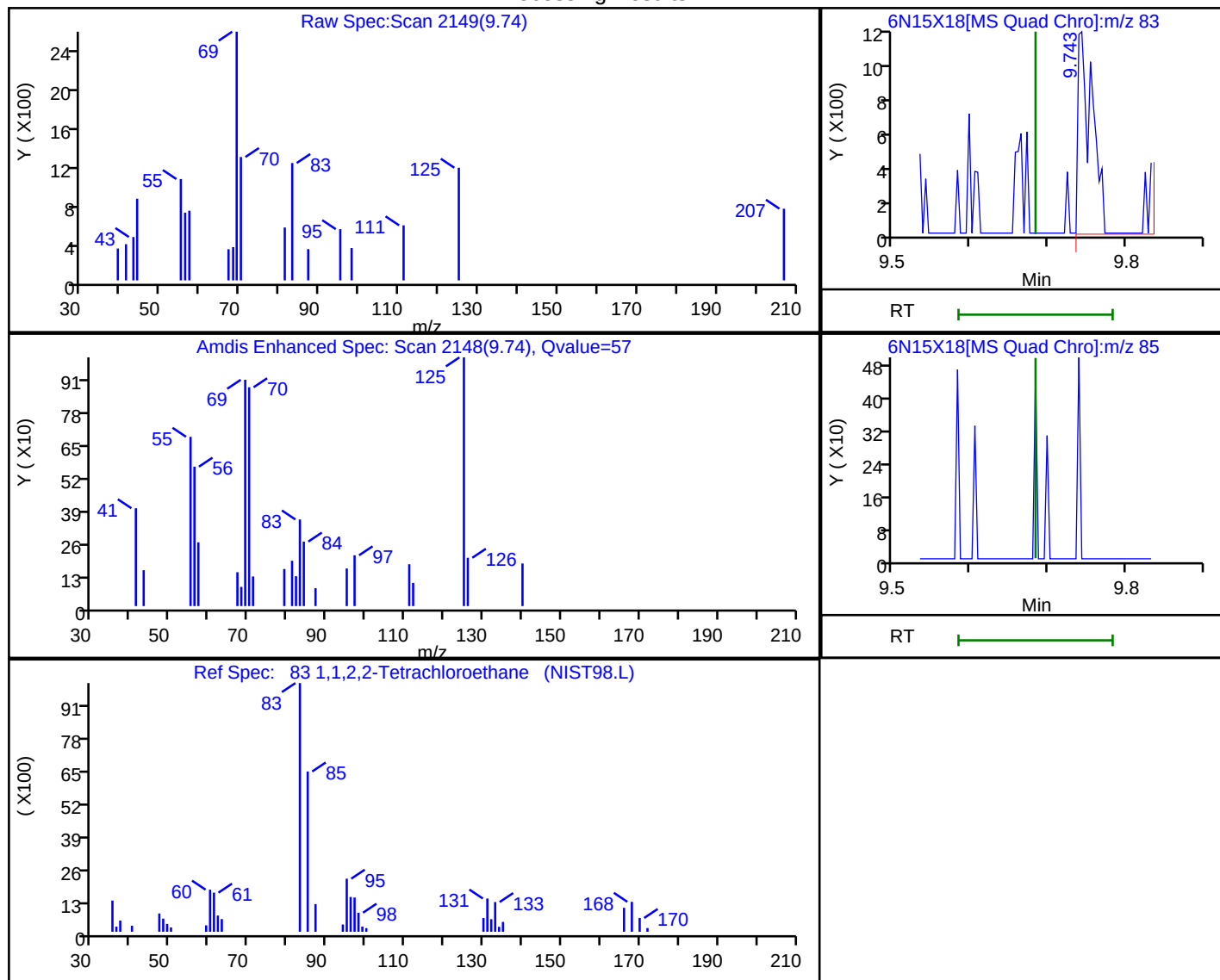


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
9.74	83.00	1673	0.091142
9.68	85.00	0	

Reviewer: D7UM, 17-Nov-2024 09:46:25 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

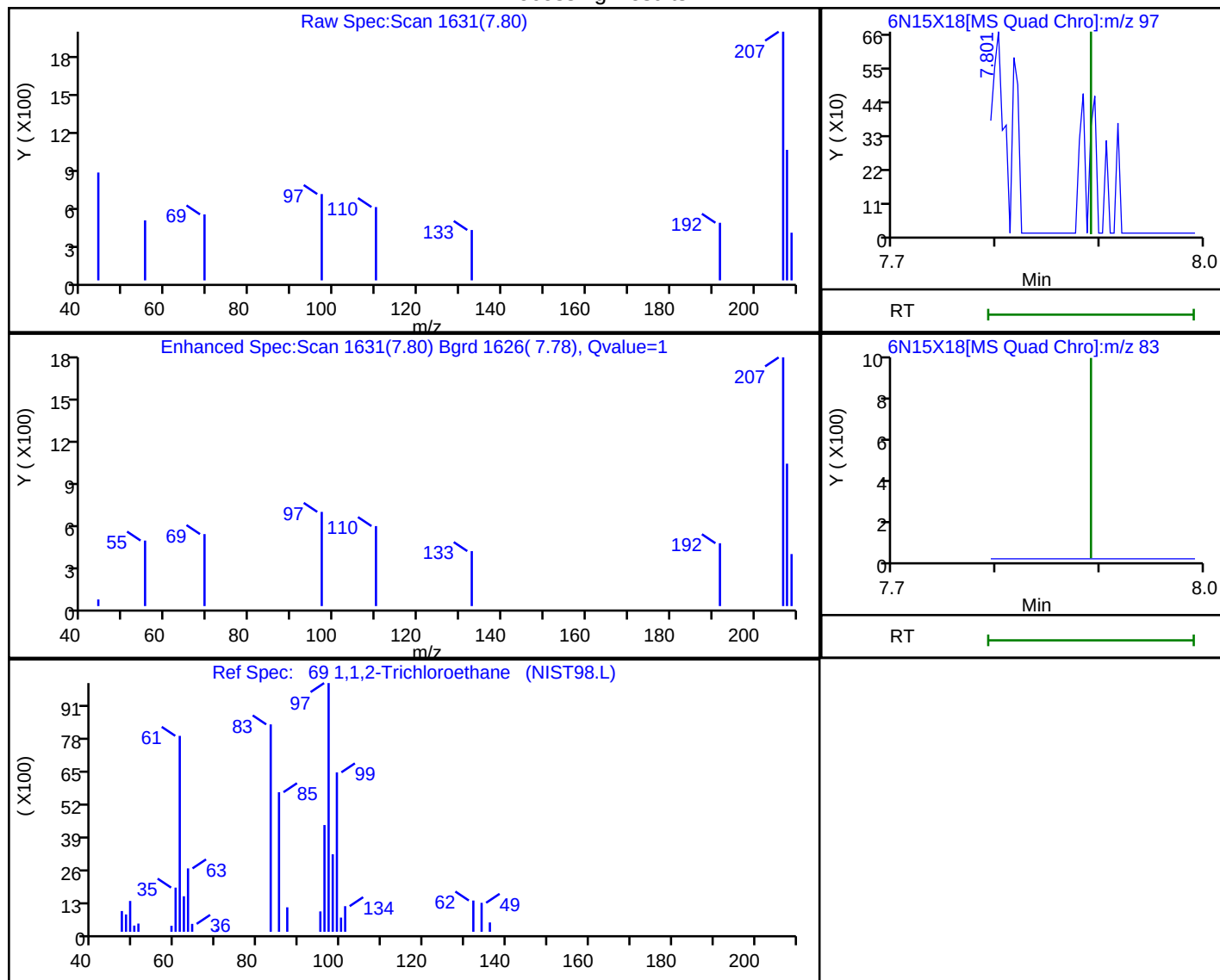
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

69 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



Reviewer: D7UM, 17-Nov-2024 09:46:36 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

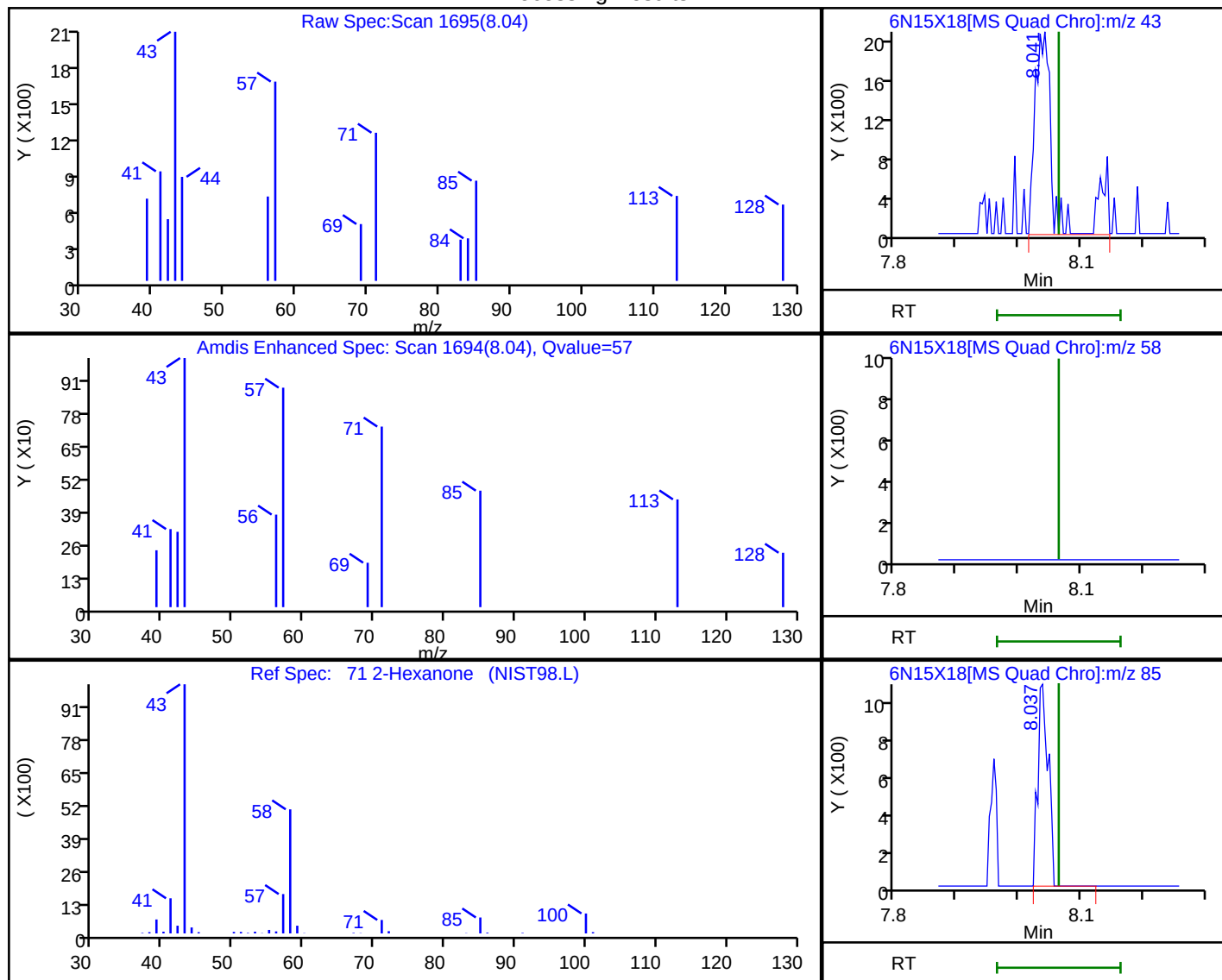
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

71 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
8.04	43.00	4166	0.571077
8.06	58.00	0	
8.04	85.00	1264	

Reviewer: D7UM, 17-Nov-2024 09:46:34 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

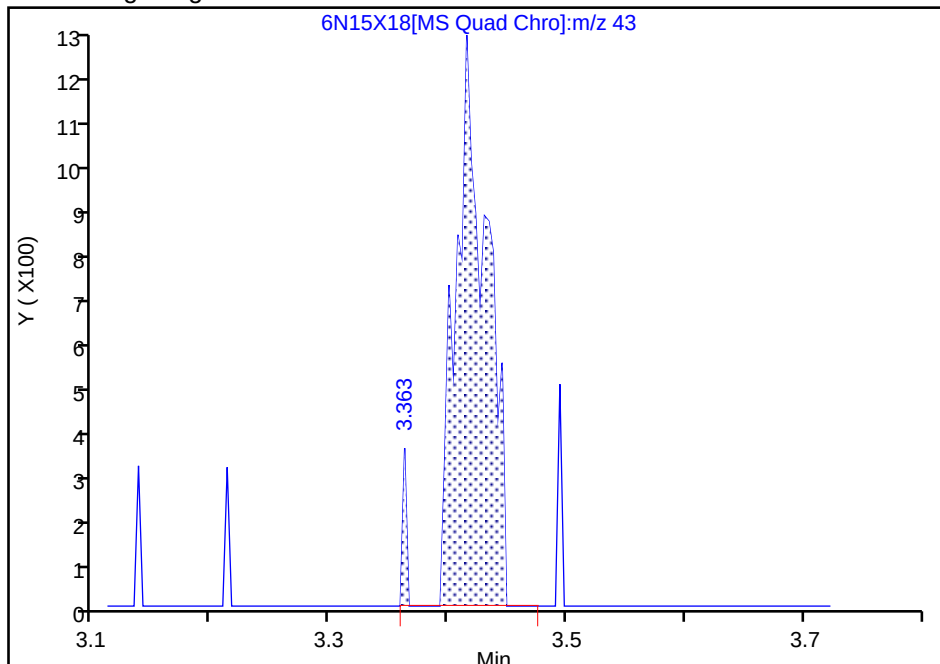
Data File:	\\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D				
Injection Date:	15-Nov-2024 16:29:37	Instrument ID:	HP26379		
Lims ID:	410-197119-A-3	Lab Sample ID:	410-197119-3		
Client ID:	1192				
Operator ID:	sn105465	ALS Bottle#:	9	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 1

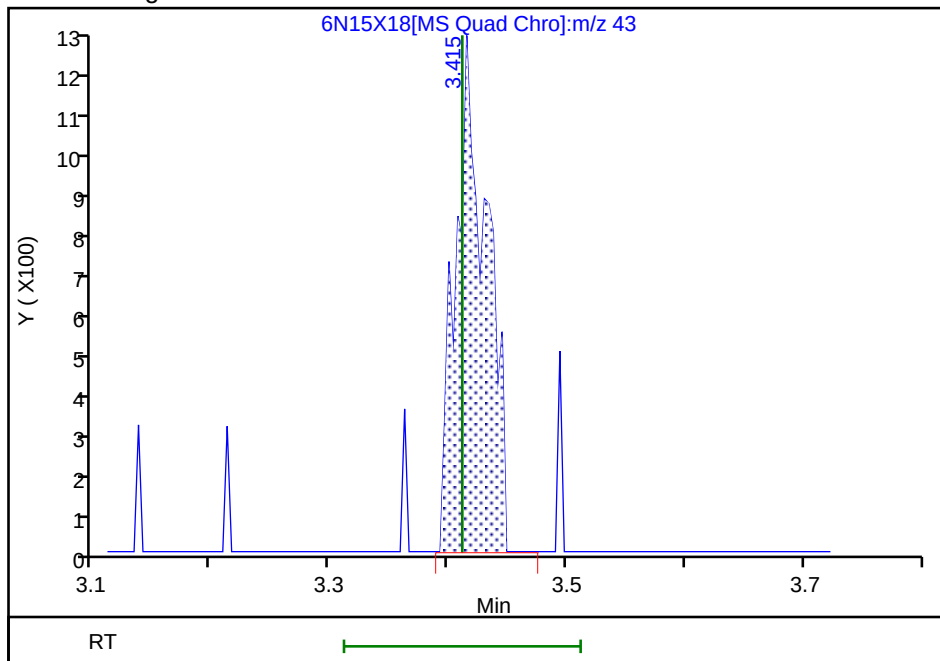
RT: 3.36
Area: 2381
Amount: 0.408632
Amount Units: ppb v/v

Processing Integration Results



RT: 3.42
Area: 2303
Amount: 0.395246
Amount Units: ppb v/v

Manual Integration Results



Reviewer: D7UM, 17-Nov-2024 09:48:00 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

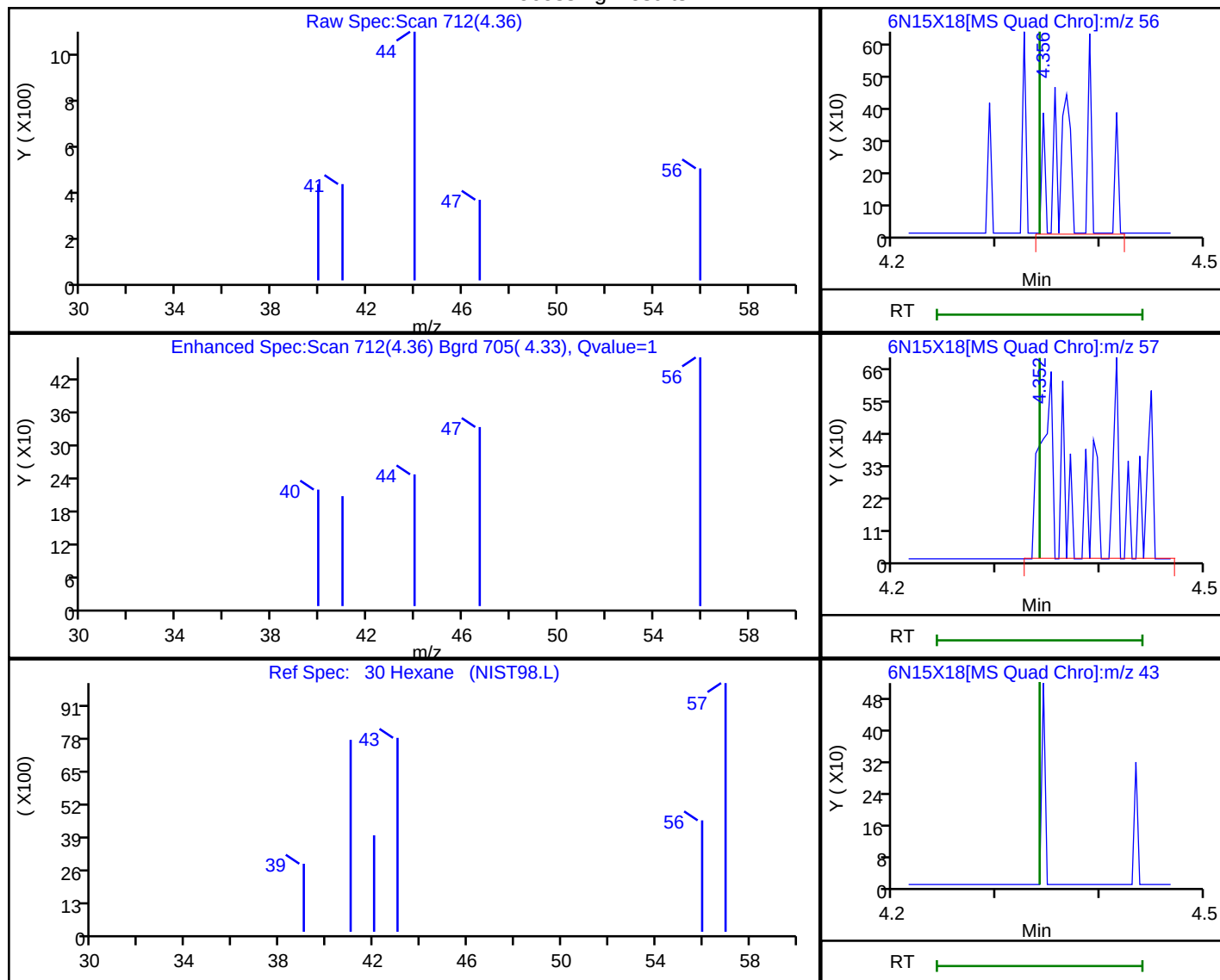
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.36	56.00	666	0.143102
4.35	57.00	1559	
4.34	43.00	0	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:47:51 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

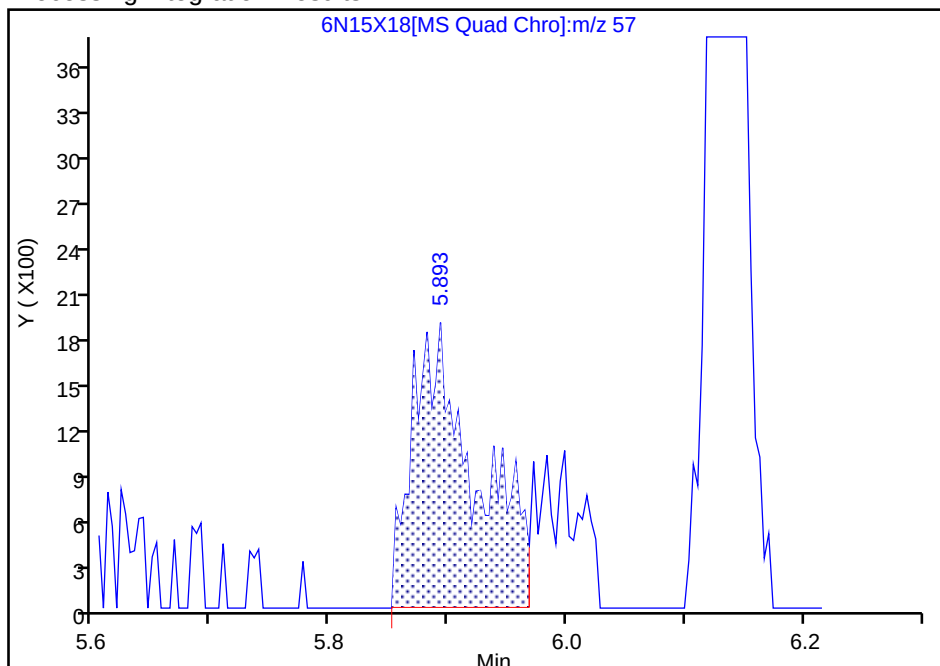
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Injection Date:	15-Nov-2024 16:29:37	Instrument ID:	HP26379		
Lims ID:	410-197119-A-3	Lab Sample ID:	410-197119-3		
Client ID:	1192				
Operator ID:	sn105465	ALS Bottle#:	9	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

49 Isooctane, CAS: 540-84-1

Signal: 1

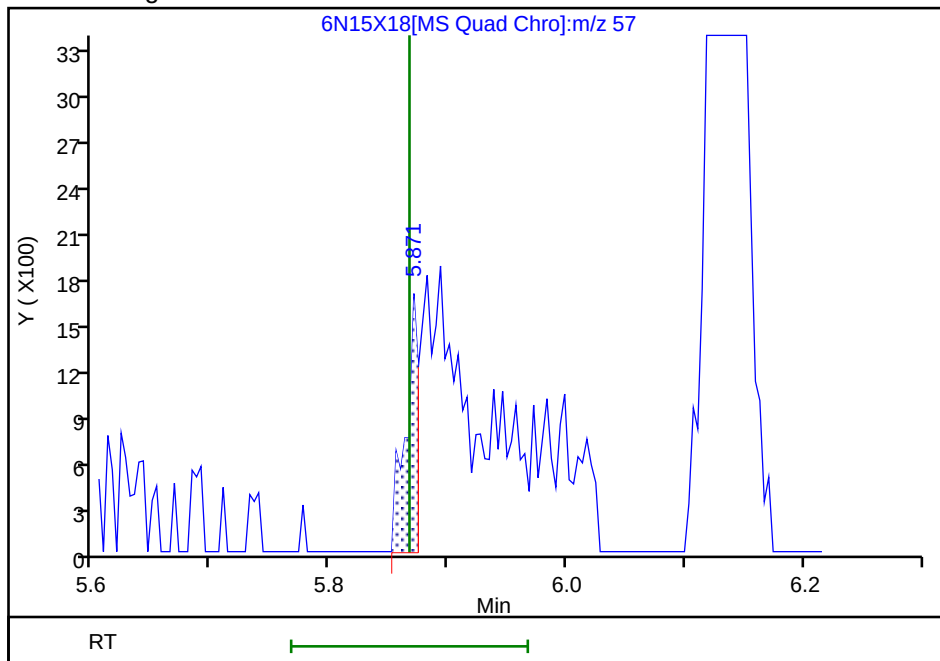
RT: 5.89
Area: 6818
Amount: 0.239468
Amount Units: ppb v/v

Processing Integration Results



RT: 5.87
Area: 1118
Amount: 0.039267
Amount Units: ppb v/v

Manual Integration Results



Reviewer: D7UM, 17-Nov-2024 09:57:40 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

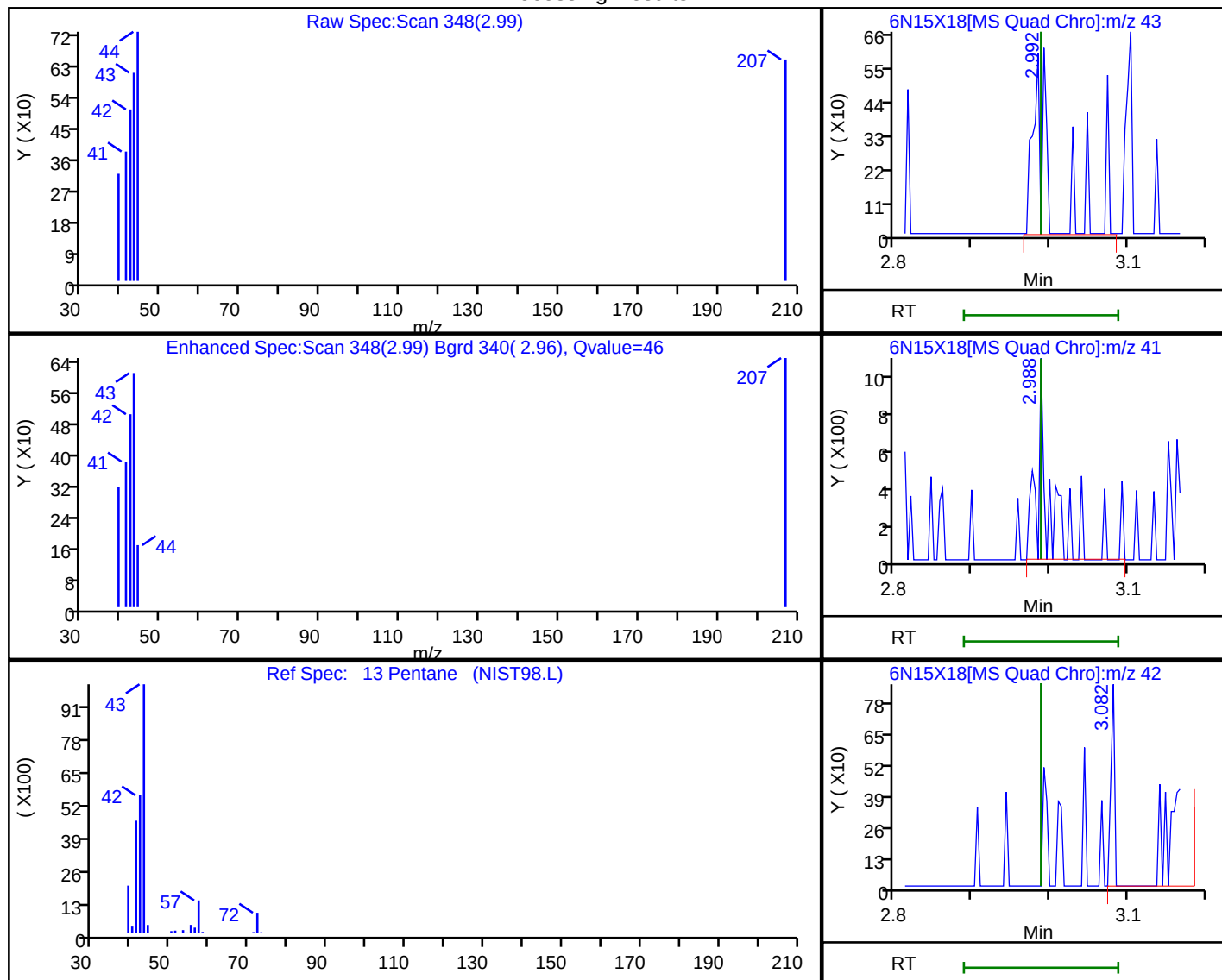
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
2.99	43.00	852	0.119364
2.99	41.00	1269	
3.08	42.00	873	

Reviewer: D7UM, 17-Nov-2024 09:57:32 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

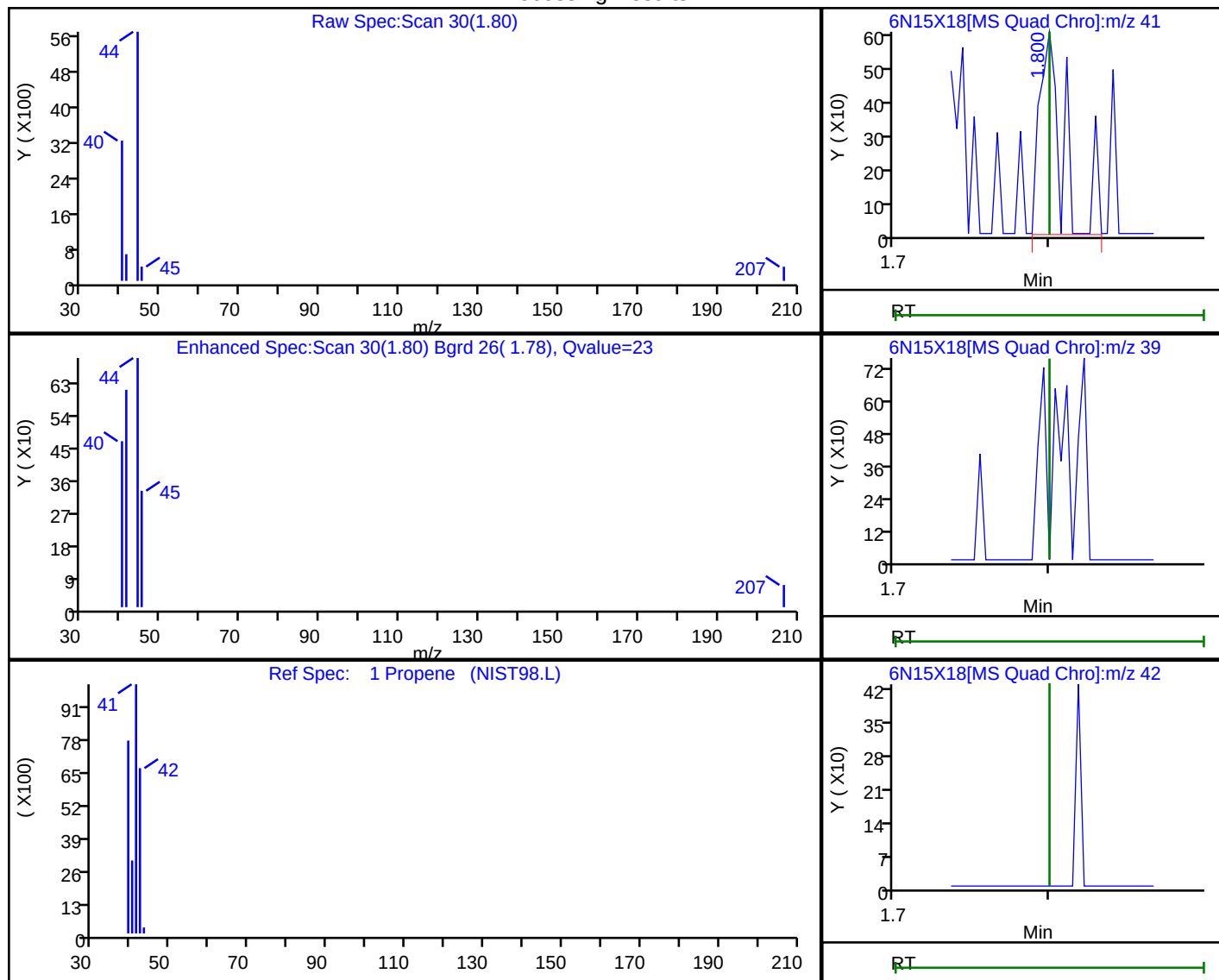
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.80	41.00	630	0.179877
1.82	39.00	907	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:48:13 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

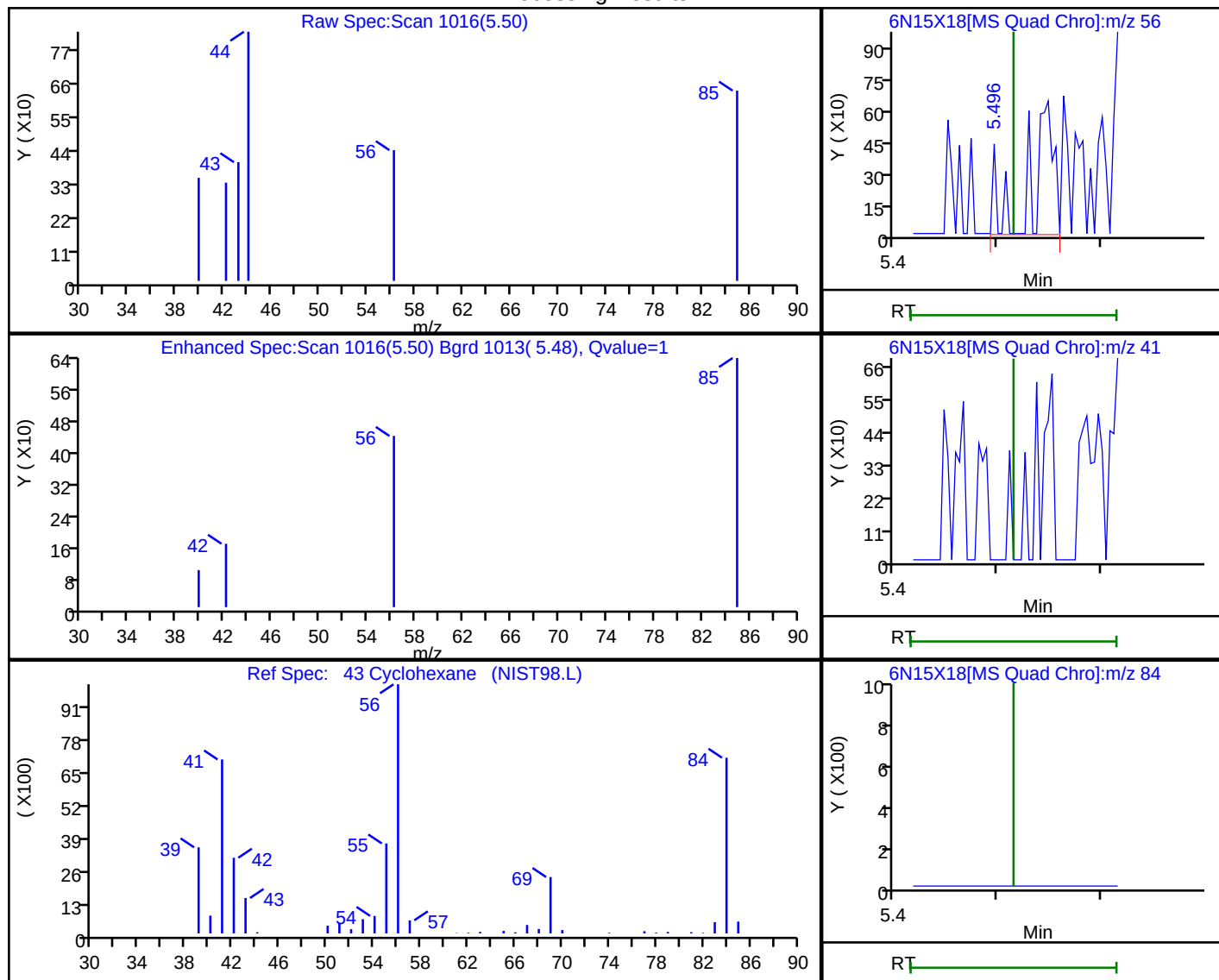
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X18.D
Injection Date: 15-Nov-2024 16:29:37 Instrument ID: HP26379
Lims ID: 410-197119-A-3 Lab Sample ID: 410-197119-3
Client ID: 1192
Operator ID: sn105465 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.50	56.00	881	0.094641
5.51	41.00	0	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:47:45 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1510 Lab Sample ID: 410-197119-4

Matrix: Air Lab File ID: 6N15X19.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:58

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1510 Lab Sample ID: 410-197119-4

Matrix: Air Lab File ID: 6N15X19.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 16:58

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC	Job No.: 410-197119-1
SDG No.:	
Client Sample ID: 1510	Lab Sample ID: 410-197119-4
Matrix: Air	Lab File ID: 6N15X19.D
Analysis Method: TO-15	Date Collected: 11/15/2024 09:32
Sample wt/vol: 200 (mL)	Date Analyzed: 11/15/2024 16:58
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: Rtx-VMS 60m ID: 0.25 (mm)
Purge Volume:	Heated Purge: (Y/N) pH:
% Moisture: % Solids:	Level: (low/med) Low
Analysis Batch No.: 575423	Units: ppb v/v
Preparation Batch No.:	Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	0.26	J	1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	*+	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Lab Sample ID: 410-197119-4

Lab File ID: 6N15X19.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 16:58

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Lims ID: 410-197119-A-4
Client ID: 1510
Sample Type: Client
Inject. Date: 15-Nov-2024 16:58:02 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1510
Misc. Info.: 410-0130751-018
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:49:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.430	3.426	0.018	43	4126	0.7279	
21 Carbon disulfide	76	3.618	3.599	0.019	35	1980	0.1081	
26 2-Methyl-2-propanol	59	3.910	3.896	0.011	38	2828	0.2637	
* 39 Chlorobromomethane (IS)	130	5.200	5.196	0.004	77	94074	10.0	
49 Isooctane	57	5.874	5.871	0.007	39	1138	0.0419	7M
* 52 1,4-Difluorobenzene	114	6.140	6.137	0.003	91	317912	10.0	
65 Toluene	91	7.542	7.542	0.003	27	2902	0.1007	
* 74 Chlorobenzene-d5 (IS)	117	8.693	8.690	0.003	80	311786	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:28

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D

Injection Date: 15-Nov-2024 16:58:02

Instrument ID: HP26379

Lims ID: 410-197119-A-4

Lab Sample ID: 410-197119-4

Client ID: 1510

Operator ID: sn105465

ALS Bottle#: 10 Worklist Smp#: 18

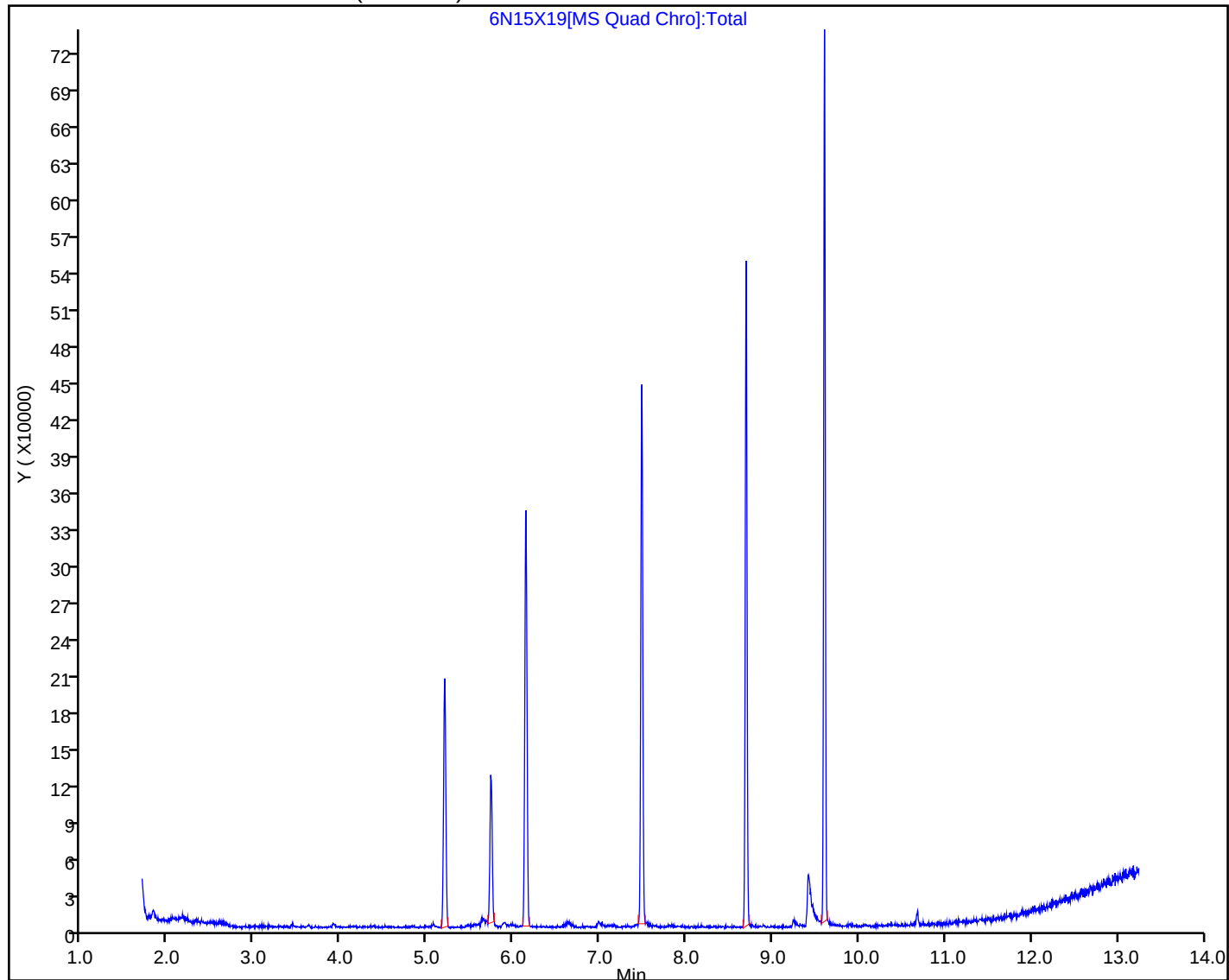
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D

Injection Date: 15-Nov-2024 16:58:02

Instrument ID: HP26379

Lims ID: 410-197119-A-4

Lab Sample ID: 410-197119-4

Client ID: 1510

Operator ID: sn105465

ALS Bottle#: 10

Worklist Smp#: 18

Purge Vol: 200.000 mL

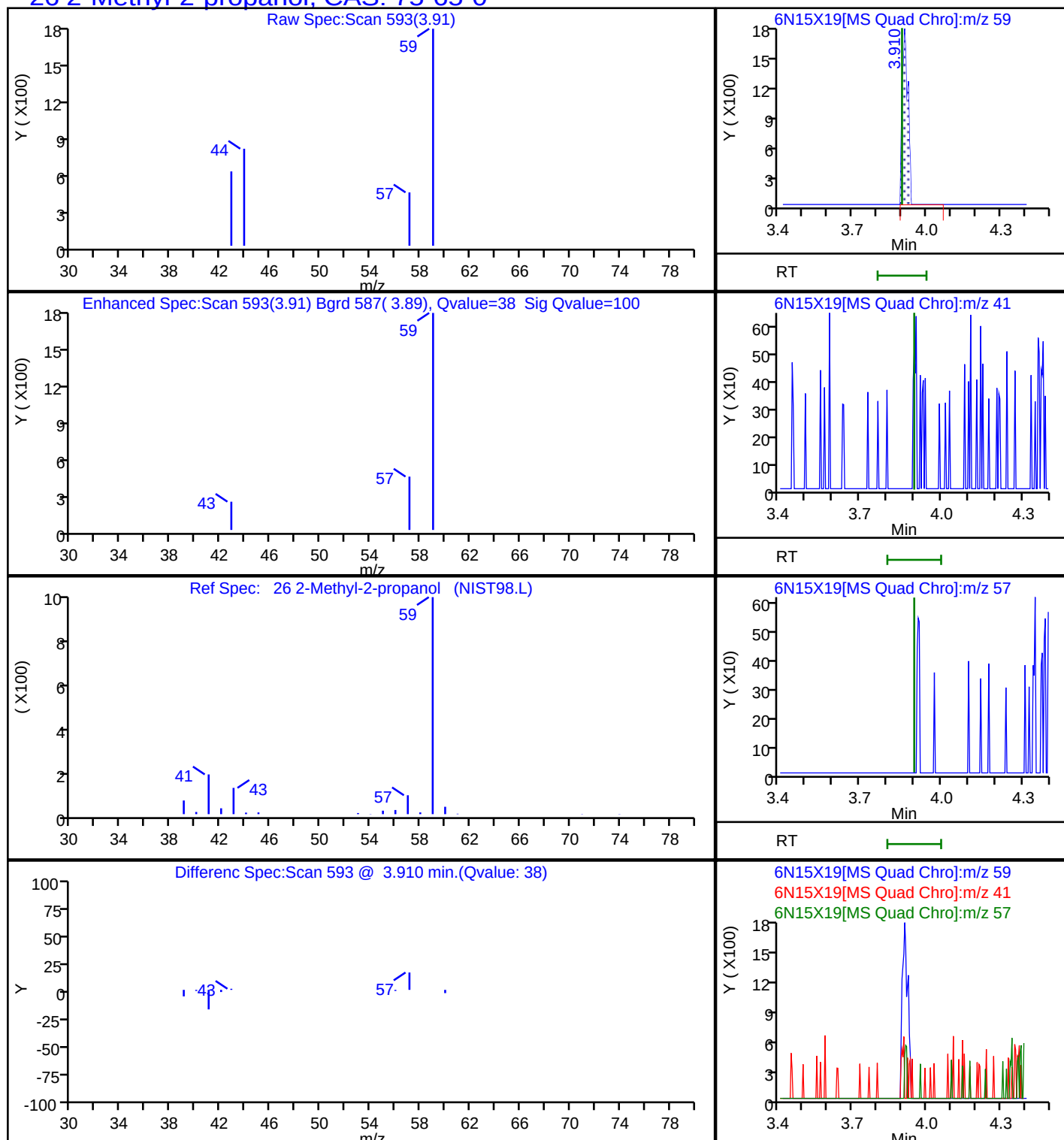
Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector

MS Quad

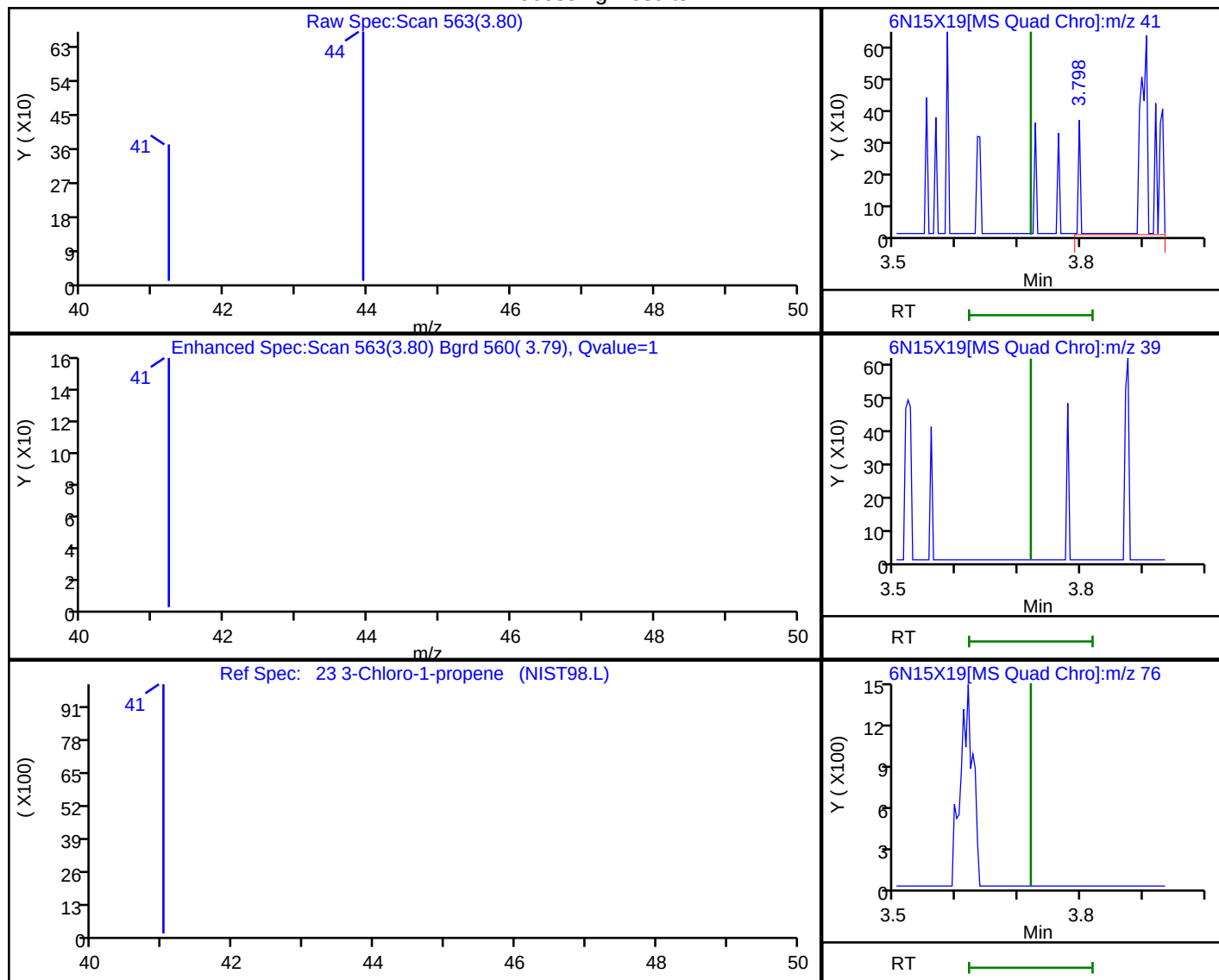
26 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Injection Date: 15-Nov-2024 16:58:02 Instrument ID: HP26379
Lims ID: 410-197119-A-4 Lab Sample ID: 410-197119-4
Client ID: 1510
Operator ID: sn105465 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

23 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
3.80	41.00	783	0.154931
3.72	39.00	0	
3.72	76.00	0	

Reviewer: D7UM, 17-Nov-2024 09:48:31 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

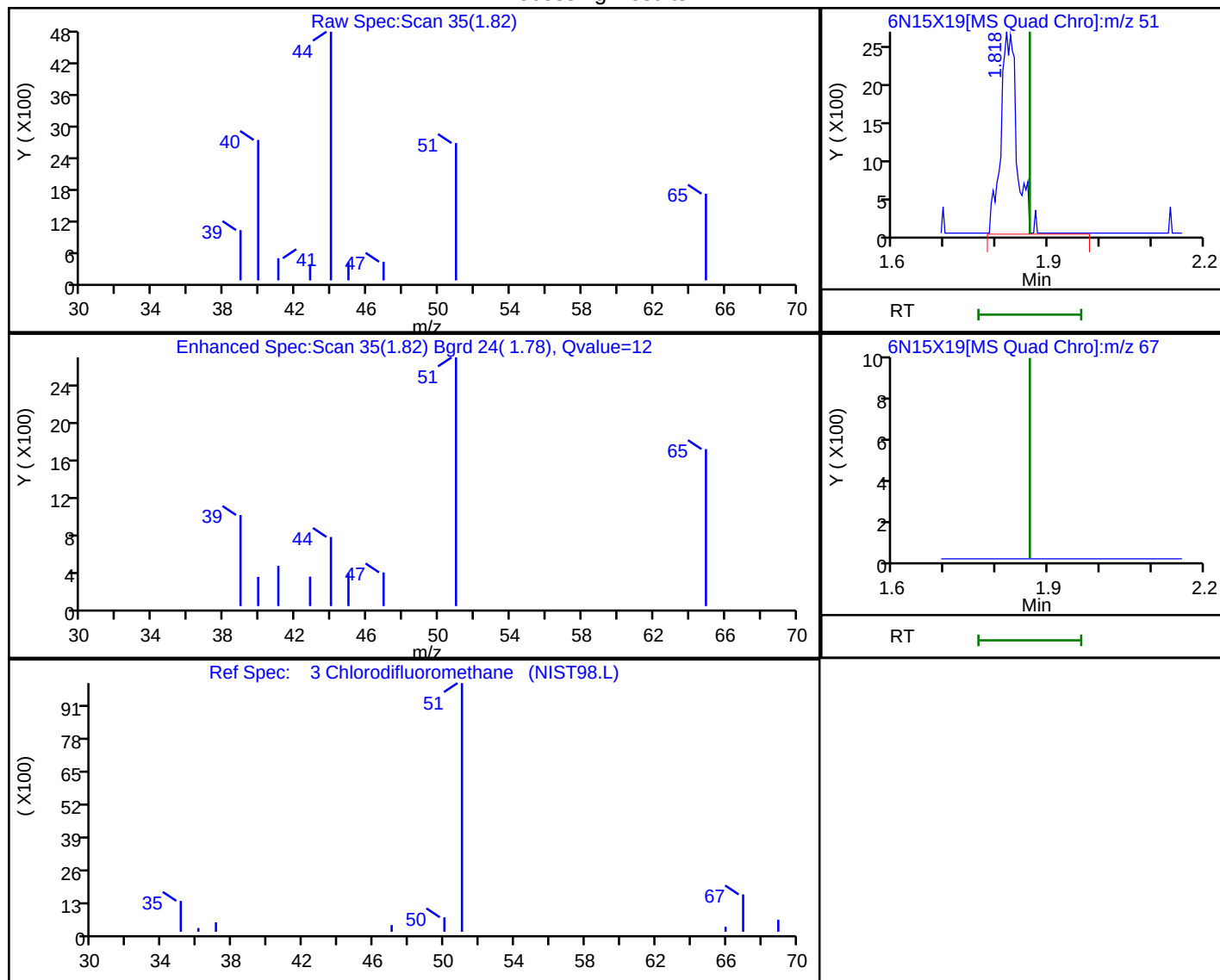
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Injection Date: 15-Nov-2024 16:58:02 Instrument ID: HP26379
Lims ID: 410-197119-A-4 Lab Sample ID: 410-197119-4
Client ID: 1510
Operator ID: sn105465 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

3 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
1.82	51.00	5677	0.835968
1.86	67.00	0	

Reviewer: D7UM, 17-Nov-2024 09:48:21 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

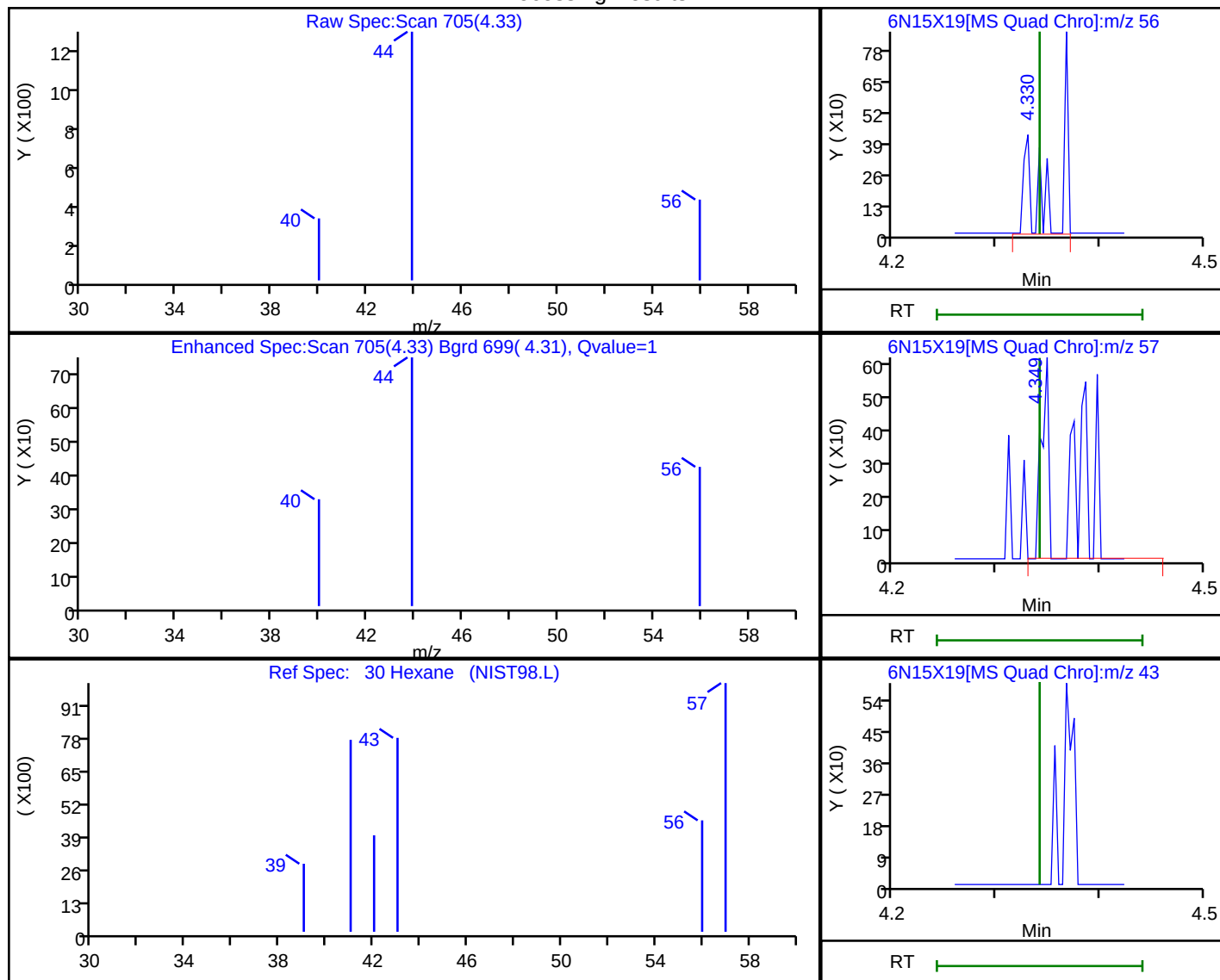
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Injection Date: 15-Nov-2024 16:58:02 Instrument ID: HP26379
Lims ID: 410-197119-A-4 Lab Sample ID: 410-197119-4
Client ID: 1510
Operator ID: sn105465 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.33	56.00	509	0.112425
4.35	57.00	912	
4.37	43.00	744	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:48:35 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

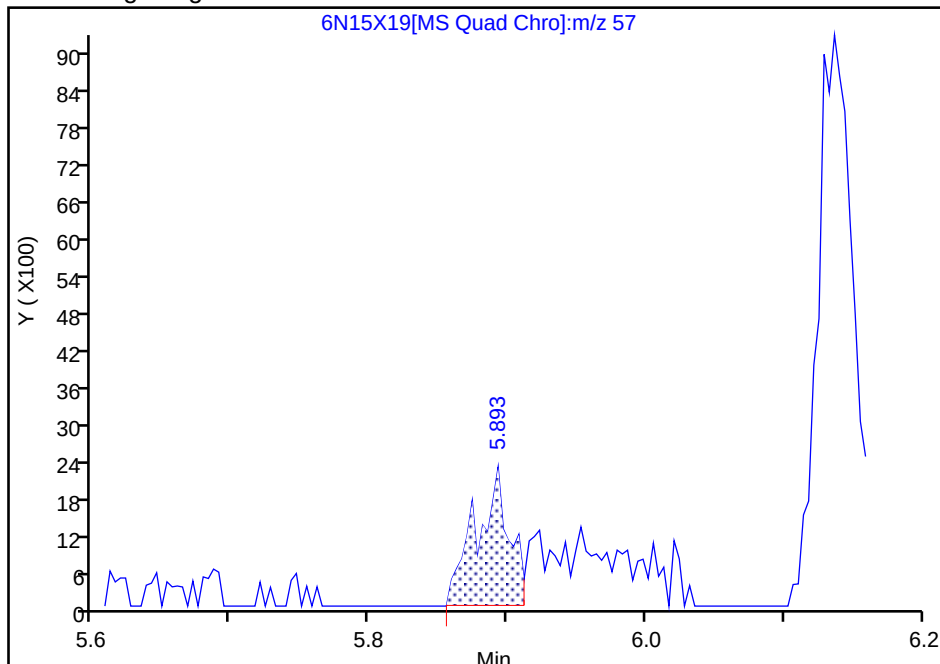
Data File:	\\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D				
Injection Date:	15-Nov-2024 16:58:02	Instrument ID:	HP26379		
Lims ID:	410-197119-A-4	Lab Sample ID:	410-197119-4		
Client ID:	1510				
Operator ID:	sn105465	ALS Bottle#:	10	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

49 Isooctane, CAS: 540-84-1

Signal: 1

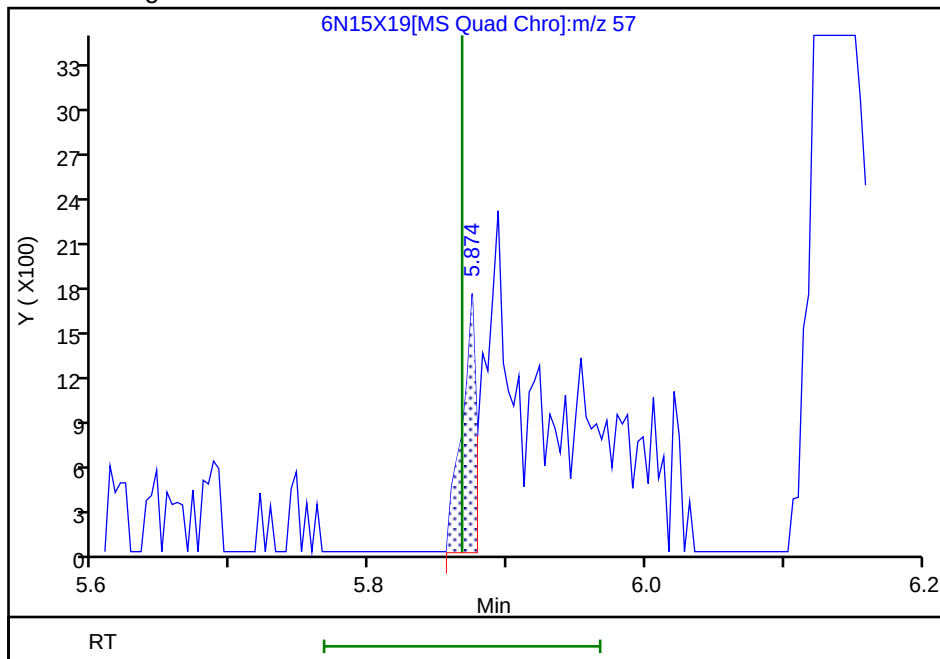
RT: 5.89
Area: 3735
Amount: 0.137538
Amount Units: ppb v/v

Processing Integration Results



RT: 5.87
Area: 1138
Amount: 0.041906
Amount Units: ppb v/v

Manual Integration Results



Reviewer: D7UM, 17-Nov-2024 09:48:54 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

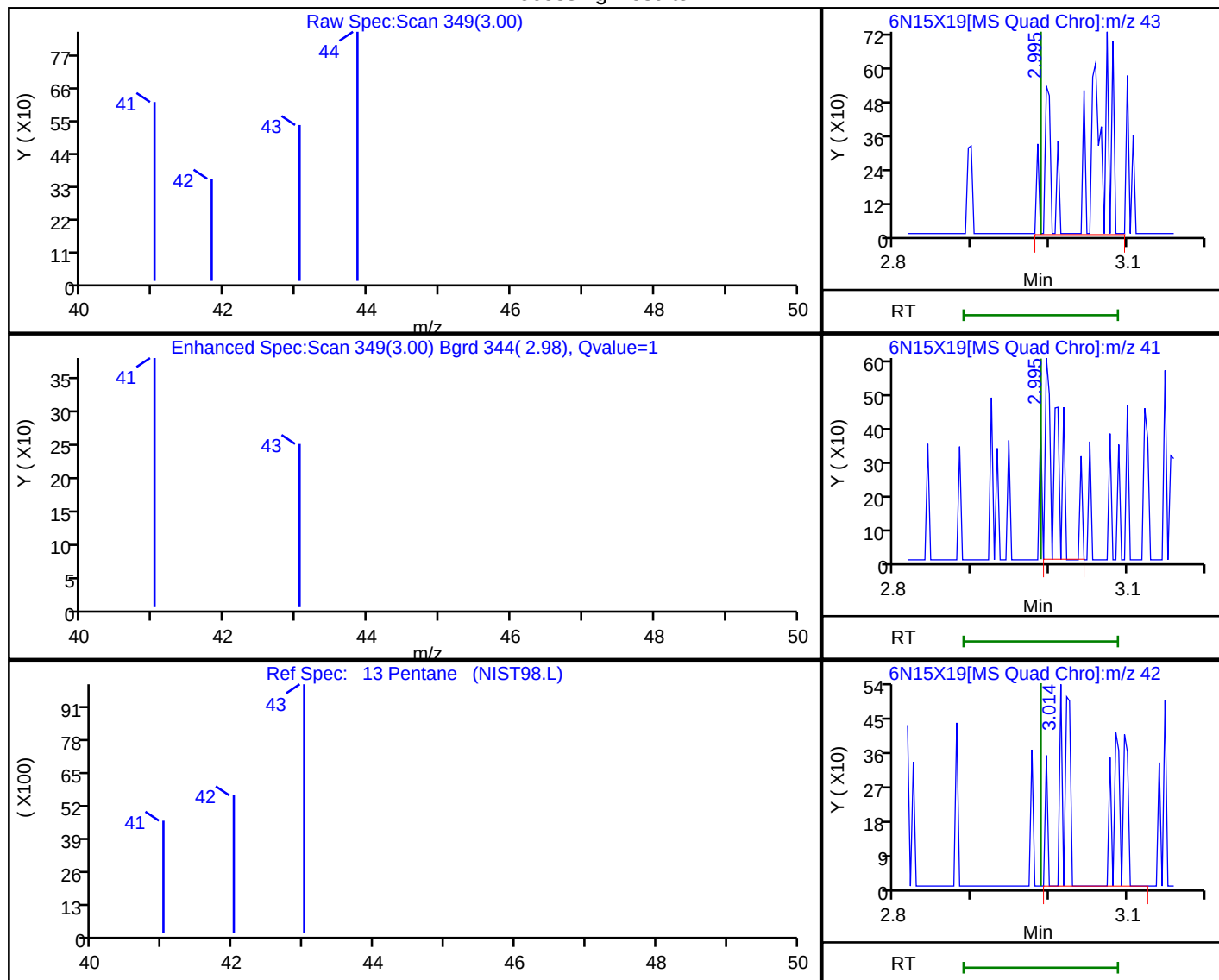
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Injection Date: 15-Nov-2024 16:58:02 Instrument ID: HP26379
Lims ID: 410-197119-A-4 Lab Sample ID: 410-197119-4
Client ID: 1510
Operator ID: sn105465 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
3.00	43.00	1230	0.177139
3.00	41.00	626	
3.01	42.00	839	

Reviewer: D7UM, 17-Nov-2024 09:48:25 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

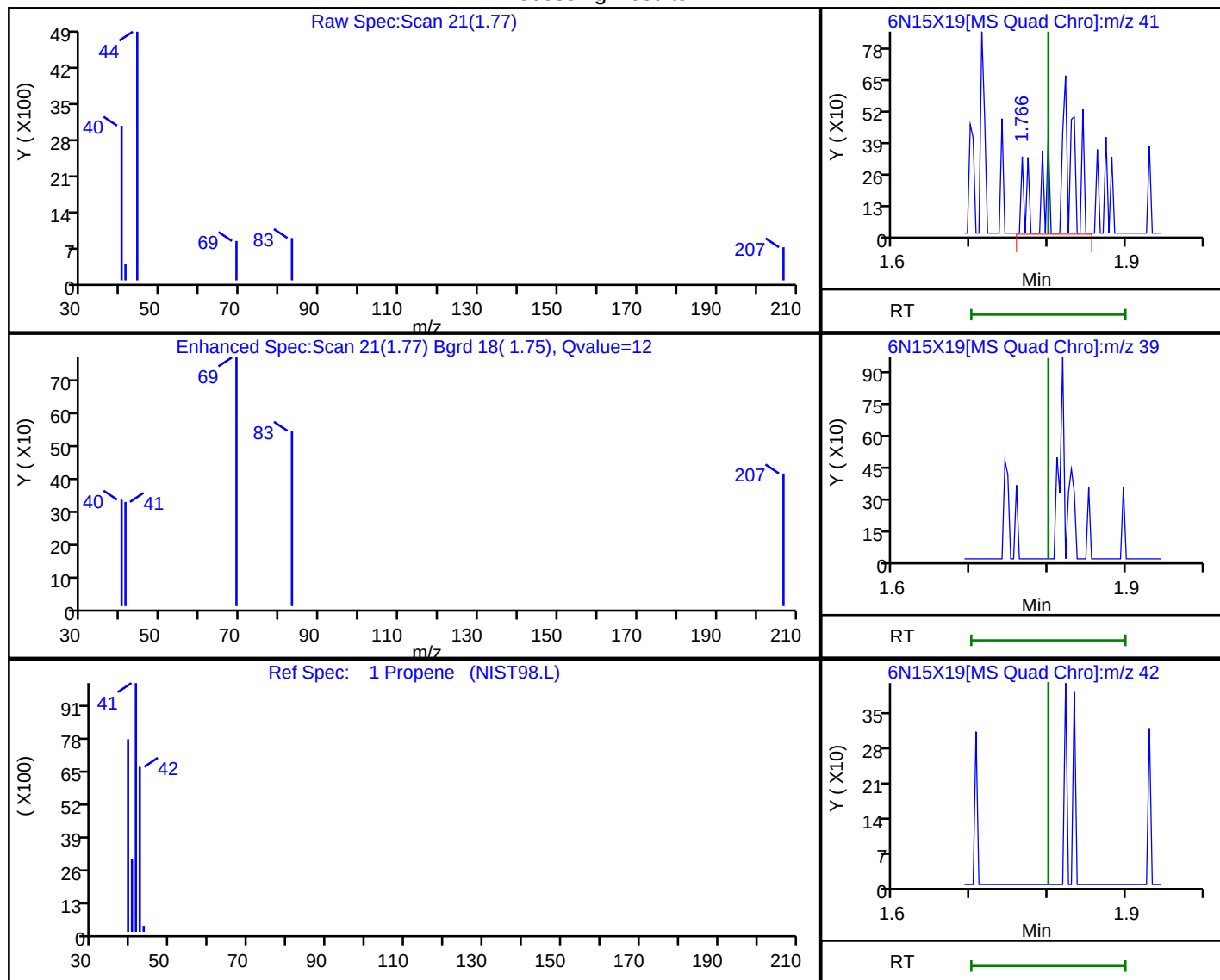
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Injection Date: 15-Nov-2024 16:58:02 Instrument ID: HP26379
Lims ID: 410-197119-A-4 Lab Sample ID: 410-197119-4
Client ID: 1510
Operator ID: sn105465 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.77	41.00	893	0.262097
1.80	39.00	0	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:48:18 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

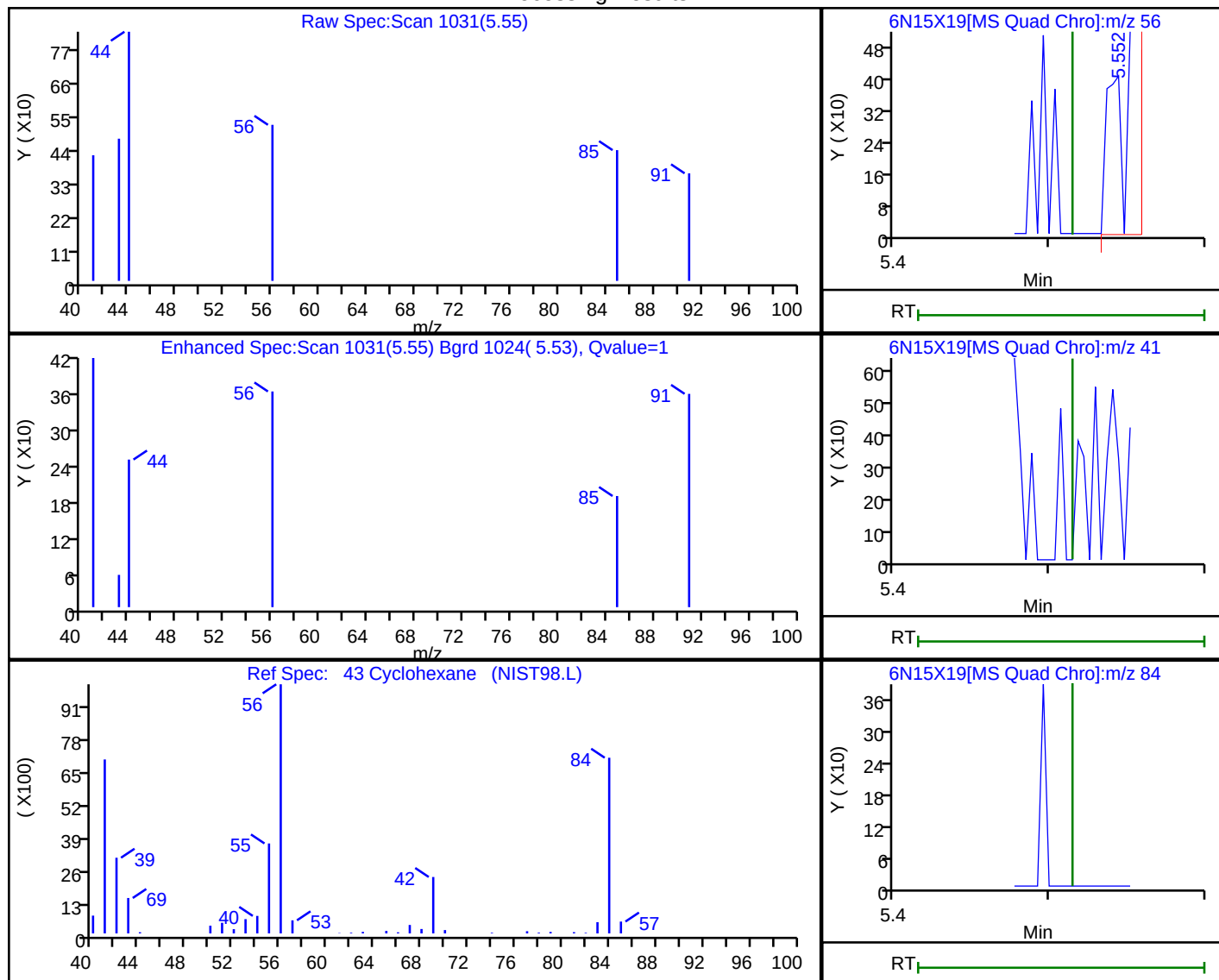
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X19.D
Injection Date: 15-Nov-2024 16:58:02 Instrument ID: HP26379
Lims ID: 410-197119-A-4 Lab Sample ID: 410-197119-4
Client ID: 1510
Operator ID: sn105465 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.55	56.00	533	0.058858
5.51	41.00	0	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:48:40 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 888 Lab Sample ID: 410-197119-5

Matrix: Air Lab File ID: 6N15X20.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 17:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 888 Lab Sample ID: 410-197119-5

Matrix: Air Lab File ID: 6N15X20.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 17:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 888 Lab Sample ID: 410-197119-5

Matrix: Air Lab File ID: 6N15X20.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 17:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Client Sample ID: 888

Lab Sample ID: 410-197119-5

Lab File ID: 6N15X20.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 17:26

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D
Lims ID: 410-197119-A-5
Client ID: 888
Sample Type: Client
Inject. Date: 15-Nov-2024 17:26:30 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc888
Misc. Info.: 410-0130751-019
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:49:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.423	3.426	0.011	66	2473	0.4391	M
21 Carbon disulfide	76	3.621	3.599	0.022	35	1662	0.0913	
* 39 Chlorobromomethane (IS)	130	5.192	5.196	-0.004	77	93475	10.0	
49 Isooctane	57	5.886	5.871	0.019	35	4663	0.1671	
* 52 1,4-Difluorobenzene	114	6.141	6.137	0.004	91	326761	10.0	
65 Toluene	91	7.558	7.542	0.019	20	2533	0.0860	
* 74 Chlorobenzene-d5 (IS)	117	8.693	8.690	0.003	80	318699	10.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:29

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D

Injection Date: 15-Nov-2024 17:26:30

Instrument ID: HP26379

Lims ID: 410-197119-A-5

Lab Sample ID: 410-197119-5

Client ID: 888

Operator ID: sn105465

ALS Bottle#: 11

Worklist Smp#: 19

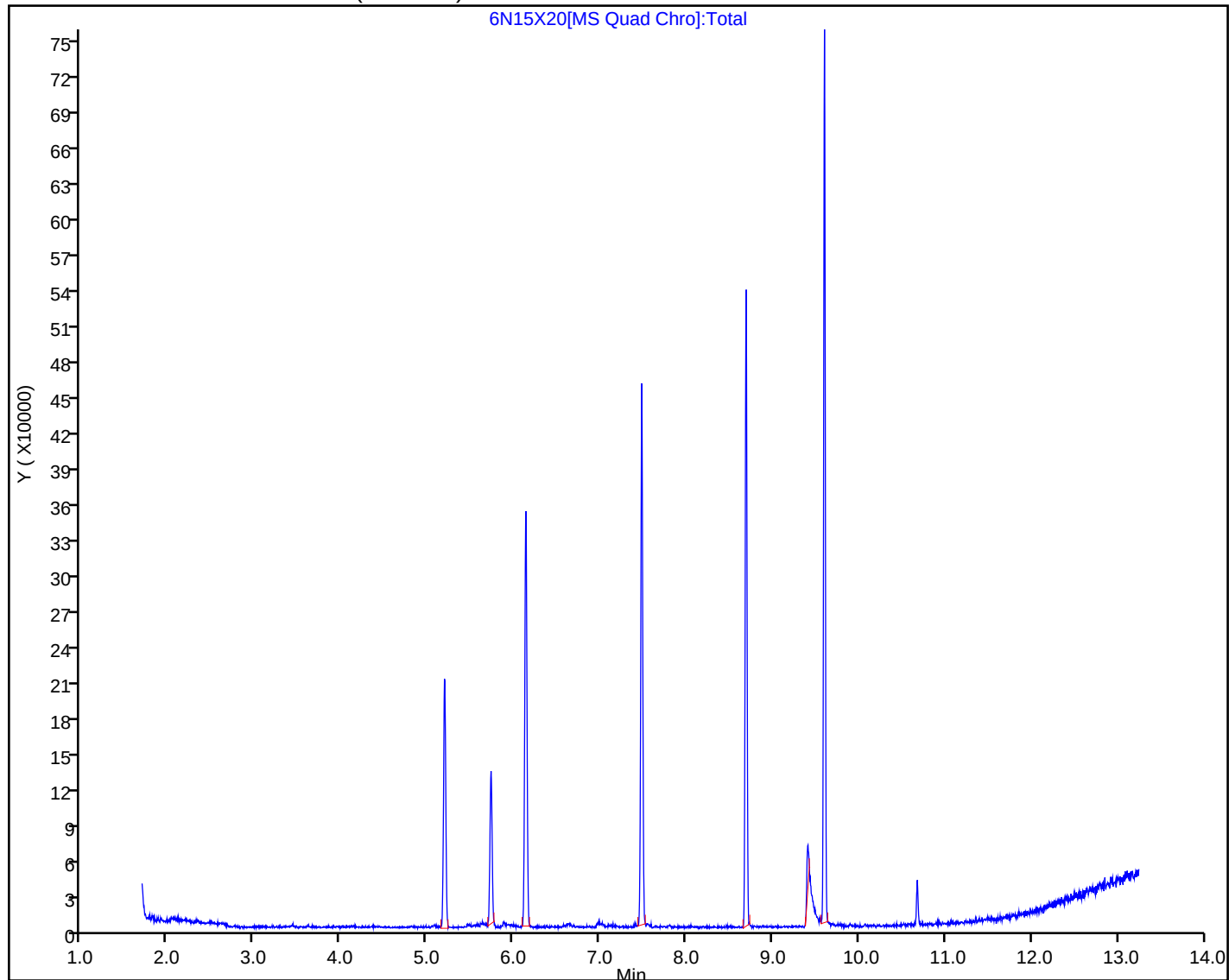
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

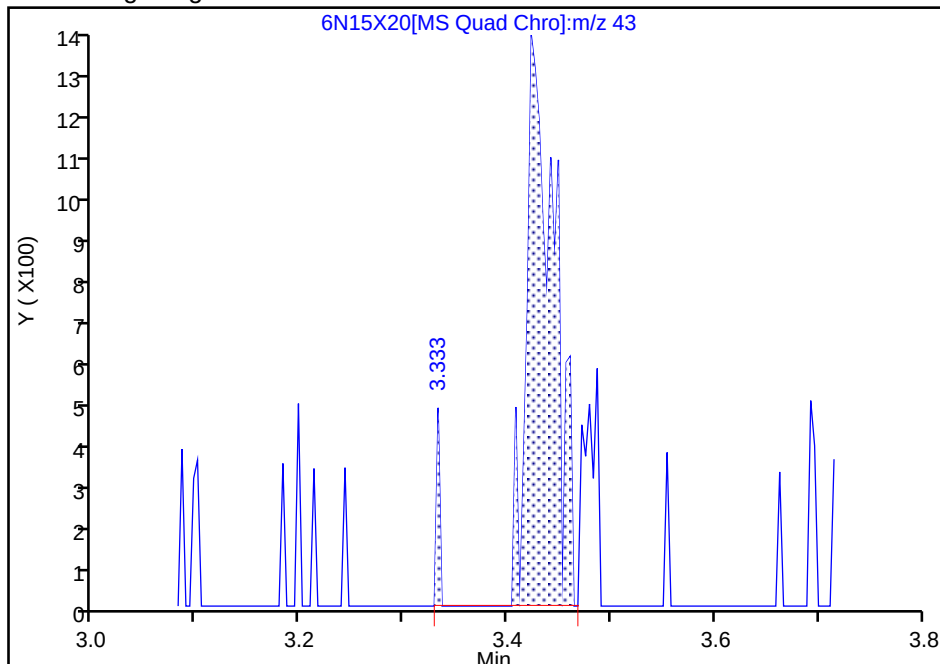
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Injection Date:	15-Nov-2024 17:26:30	Instrument ID:	HP26379		
Lims ID:	410-197119-A-5	Lab Sample ID:	410-197119-5		
Client ID:	888				
Operator ID:	sn105465	ALS Bottle#:	11	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

18 Acetone, CAS: 67-64-1

Signal: 1

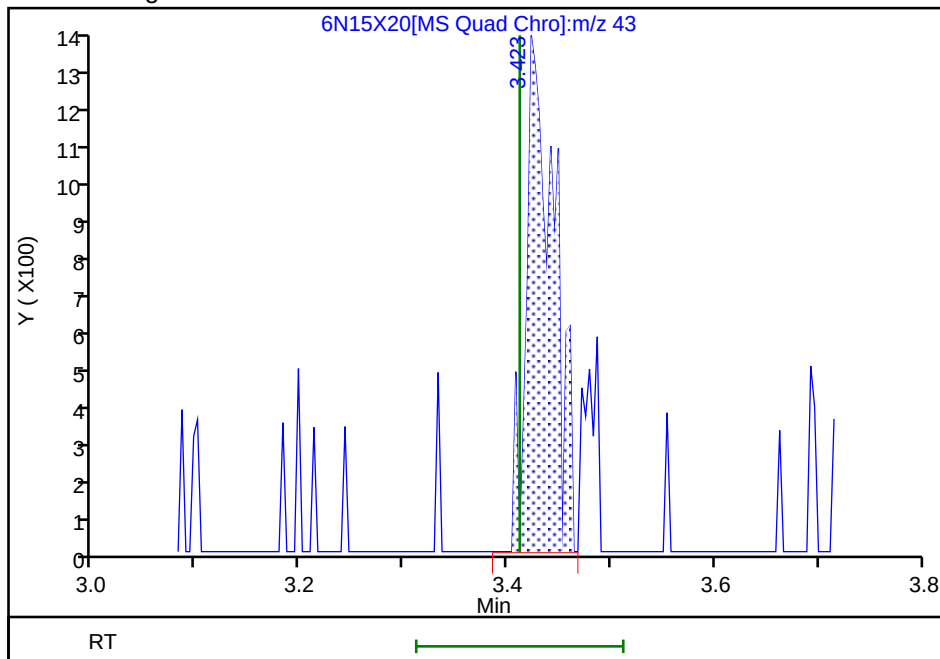
RT: 3.33
Area: 2578
Amount: 0.457725
Amount Units: ppb v/v

Processing Integration Results



RT: 3.42
Area: 2473
Amount: 0.439083
Amount Units: ppb v/v

Manual Integration Results



Reviewer: D7UM, 17-Nov-2024 09:49:44 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

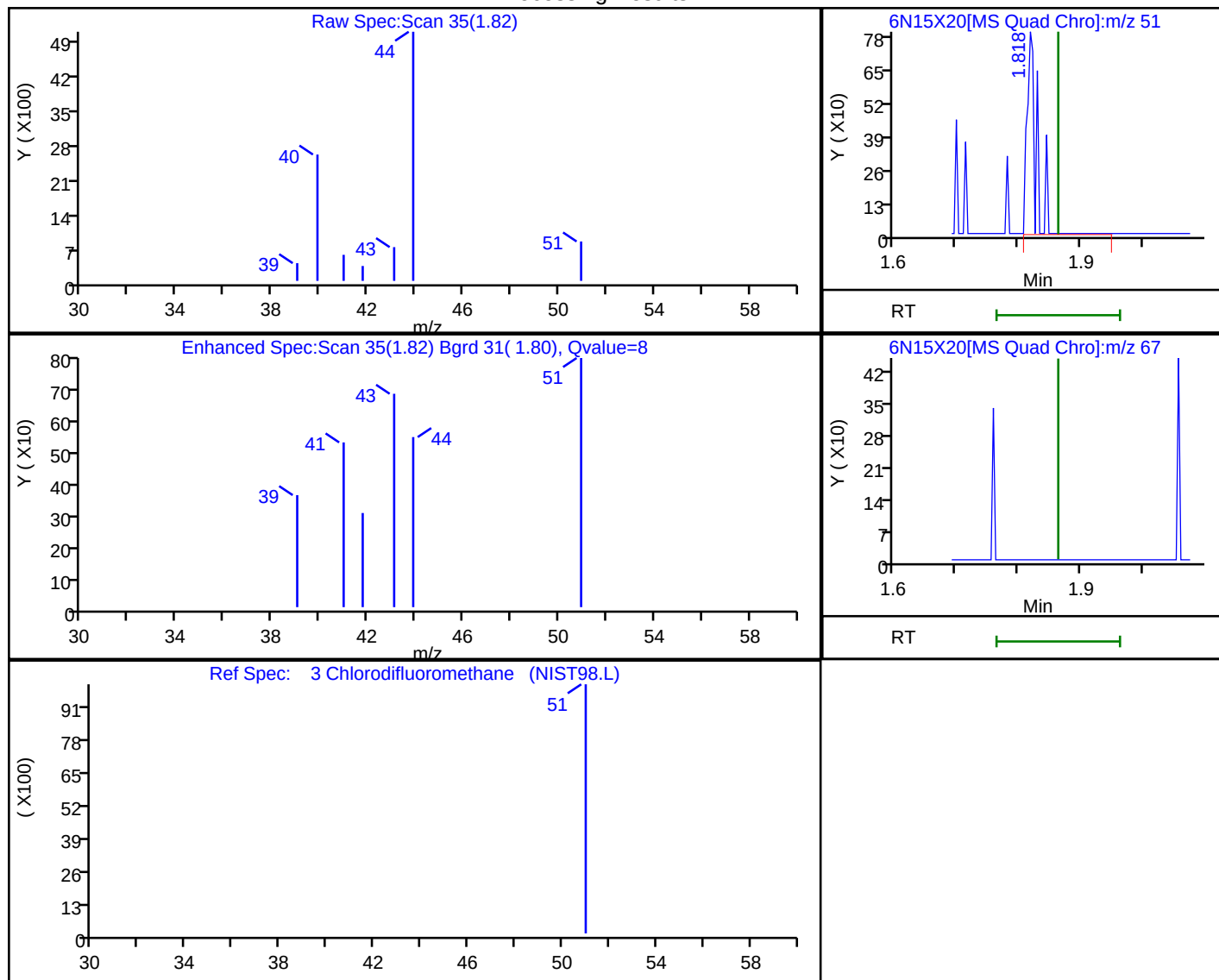
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D
Injection Date: 15-Nov-2024 17:26:30 Instrument ID: HP26379
Lims ID: 410-197119-A-5 Lab Sample ID: 410-197119-5
Client ID: 888
Operator ID: sn105465 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

3 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
1.82	51.00	779	0.115447
1.86	67.00	0	

Reviewer: D7UM, 17-Nov-2024 09:49:54 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

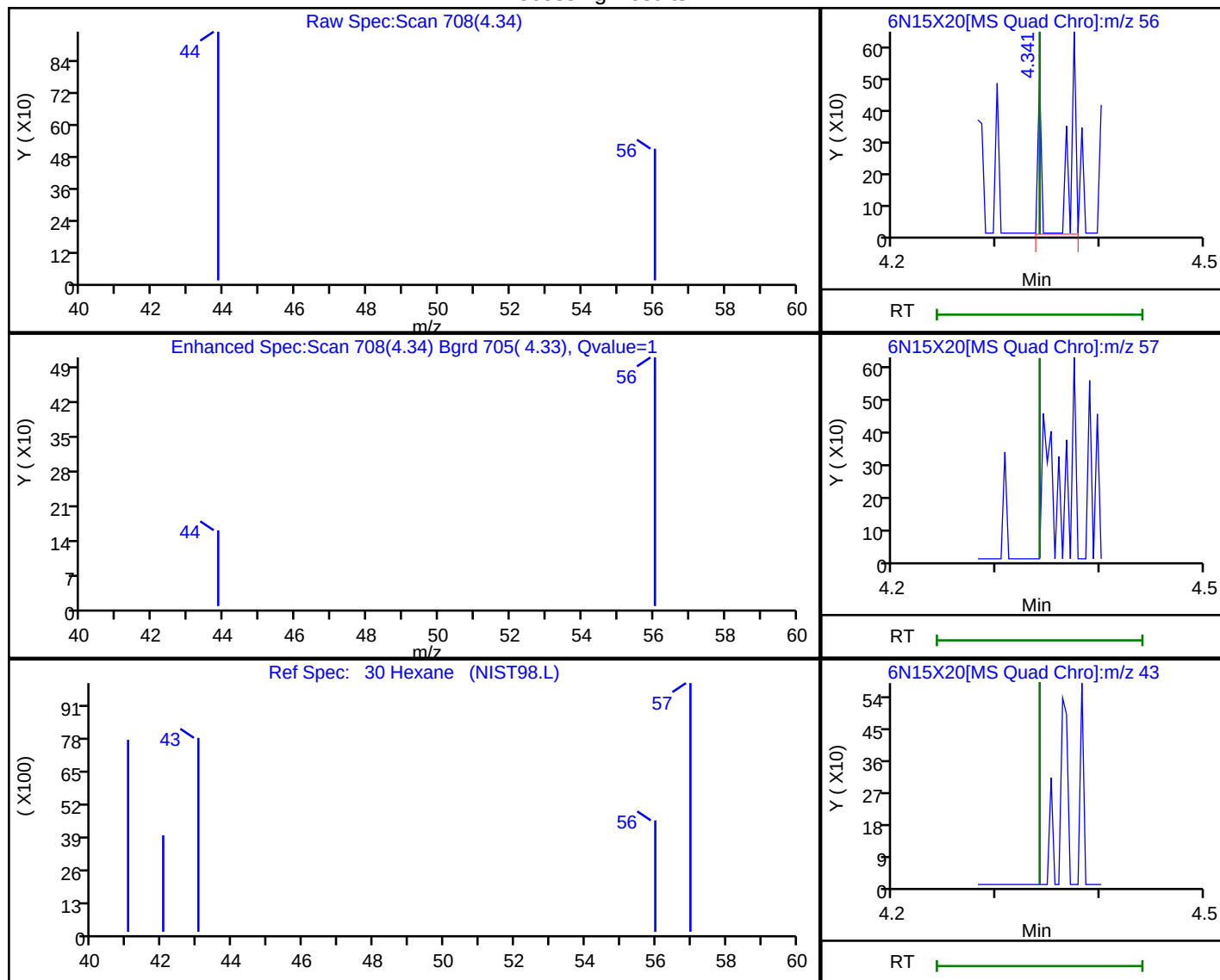
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D
Injection Date: 15-Nov-2024 17:26:30 Instrument ID: HP26379
Lims ID: 410-197119-A-5 Lab Sample ID: 410-197119-5
Client ID: 888
Operator ID: sn105465 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.34	56.00	336	0.074690
4.34	57.00	0	
4.34	43.00	0	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:49:35 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

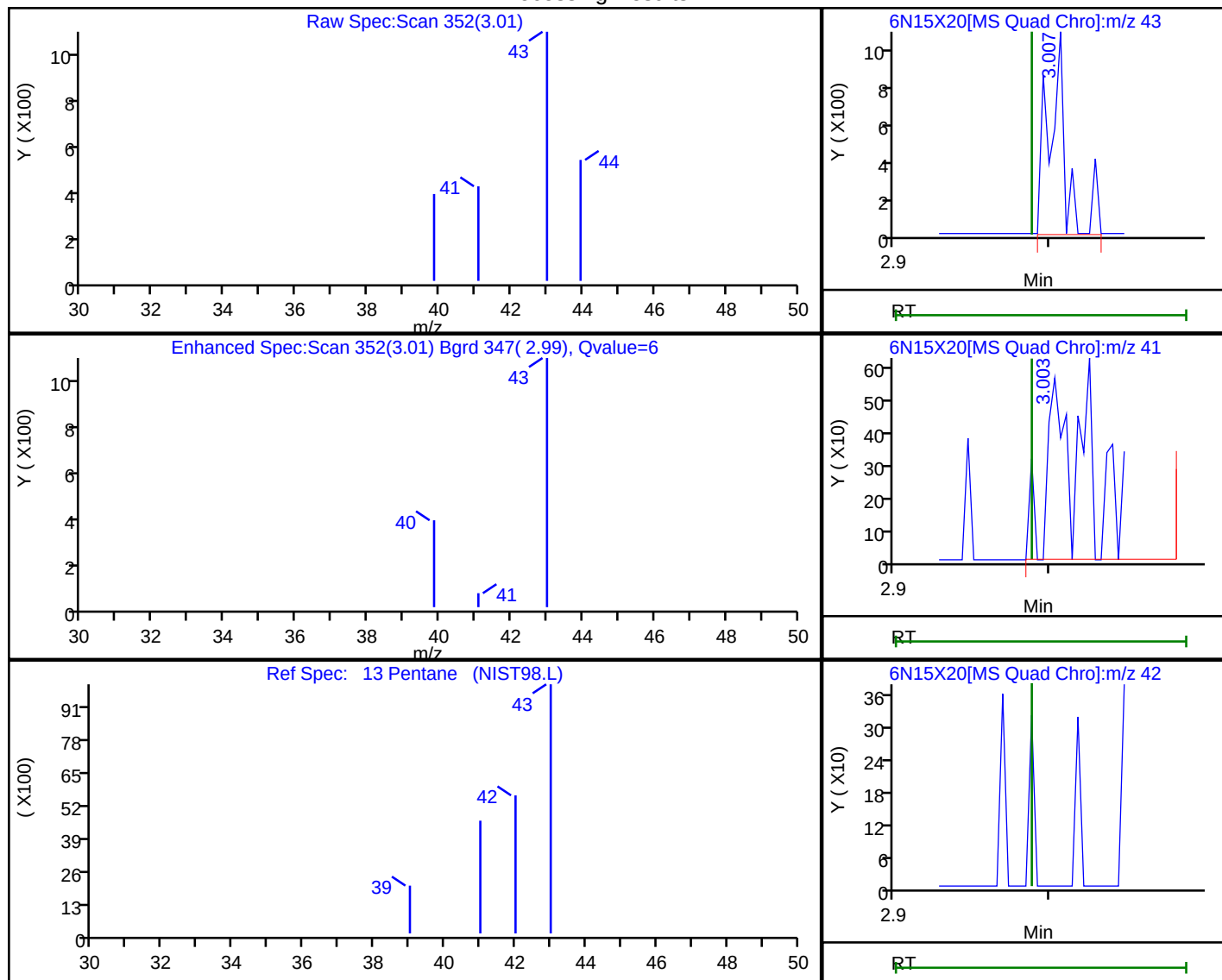
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D
Injection Date: 15-Nov-2024 17:26:30 Instrument ID: HP26379
Lims ID: 410-197119-A-5 Lab Sample ID: 410-197119-5
Client ID: 888
Operator ID: sn105465 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
3.01	43.00	753	0.109138
3.00	41.00	1131	
2.99	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:49:48 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

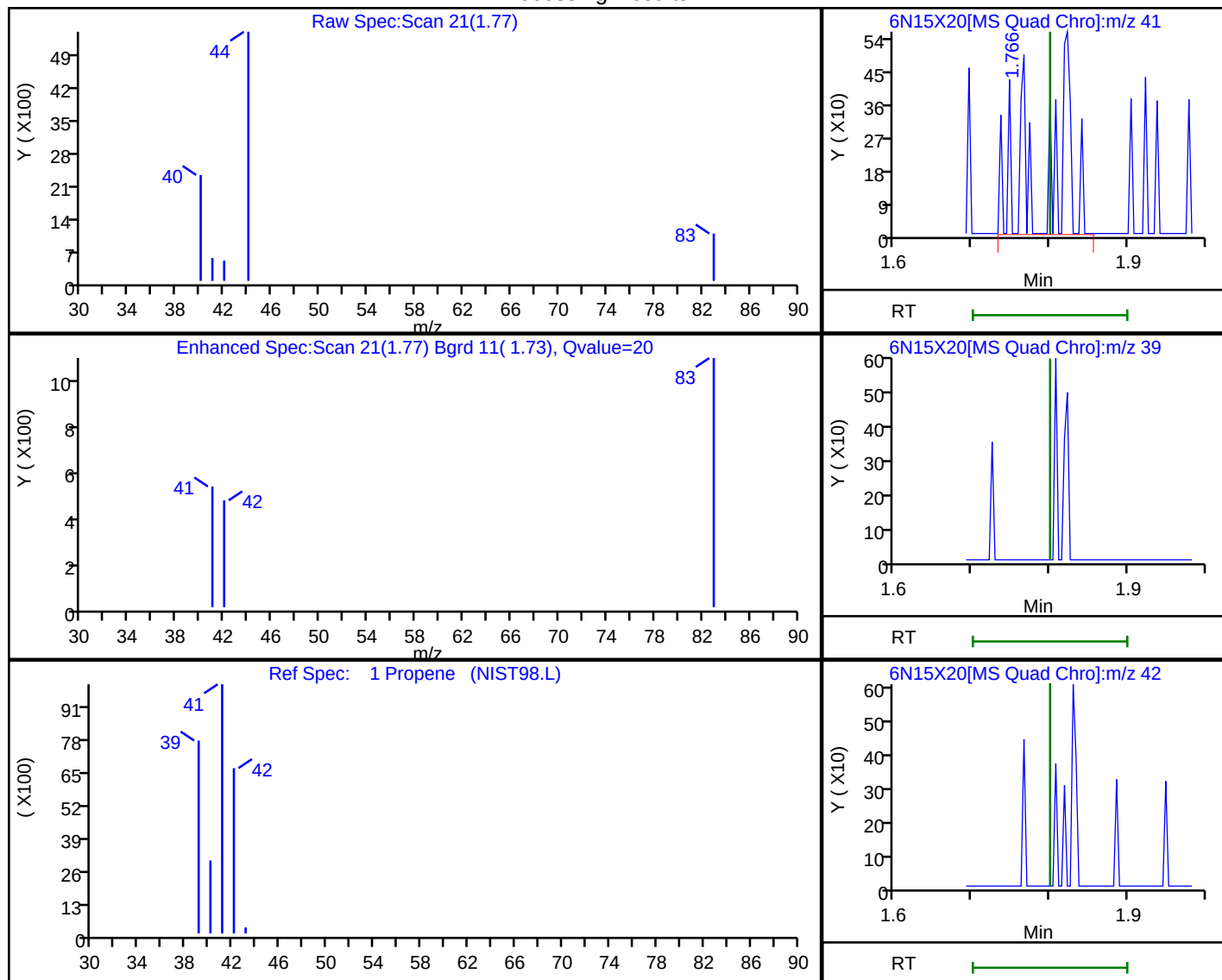
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D
Injection Date: 15-Nov-2024 17:26:30 Instrument ID: HP26379
Lims ID: 410-197119-A-5 Lab Sample ID: 410-197119-5
Client ID: 888
Operator ID: sn105465 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.77	41.00	999	0.295087
1.80	39.00	0	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:49:56 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

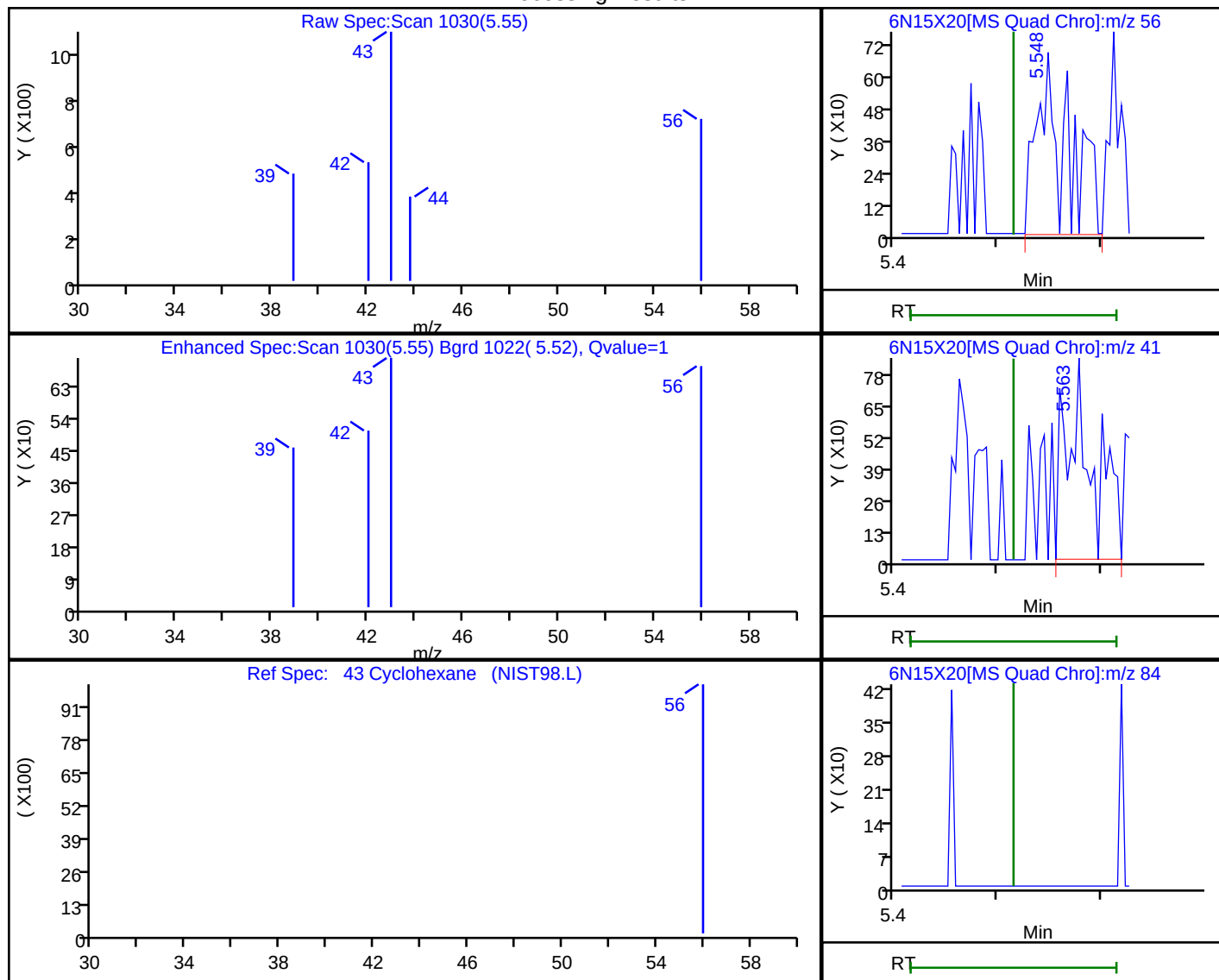
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X20.D
Injection Date: 15-Nov-2024 17:26:30 Instrument ID: HP26379
Lims ID: 410-197119-A-5 Lab Sample ID: 410-197119-5
Client ID: 888
Operator ID: sn105465 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.55	56.00	1424	0.158258
5.56	41.00	1553	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:49:29 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1342 Lab Sample ID: 410-197119-6

Matrix: Air Lab File ID: 6N15X21.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 17:54

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1342 Lab Sample ID: 410-197119-6

Matrix: Air Lab File ID: 6N15X21.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 17:54

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1342 Lab Sample ID: 410-197119-6

Matrix: Air Lab File ID: 6N15X21.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 17:54

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Lab Sample ID: 410-197119-6

Lab File ID: 6N15X21.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 17:54

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D
Lims ID: 410-197119-A-6
Client ID: 1342
Sample Type: Client
Inject. Date: 15-Nov-2024 17:54:52 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1342
Misc. Info.: 410-0130751-020
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:50:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.442	3.426	0.030	33	3424	0.5958	
21 Carbon disulfide	76	3.610	3.599	0.011	60	1600	0.0862	
* 39 Chlorobromomethane (IS)	130	5.200	5.196	0.004	76	95376	10.0	
49 Isooctane	57	5.867	5.871	0.000	60	922	0.0345	7M
* 52 1,4-Difluorobenzene	114	6.141	6.137	0.004	91	312556	10.0	
* 74 Chlorobenzene-d5 (IS)	117	8.693	8.690	0.003	80	314684	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:30

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D

Injection Date: 15-Nov-2024 17:54:52

Instrument ID: HP26379

Lims ID: 410-197119-A-6

Lab Sample ID: 410-197119-6

Client ID: 1342

Operator ID: sn105465

ALS Bottle#: 13

Worklist Smp#: 20

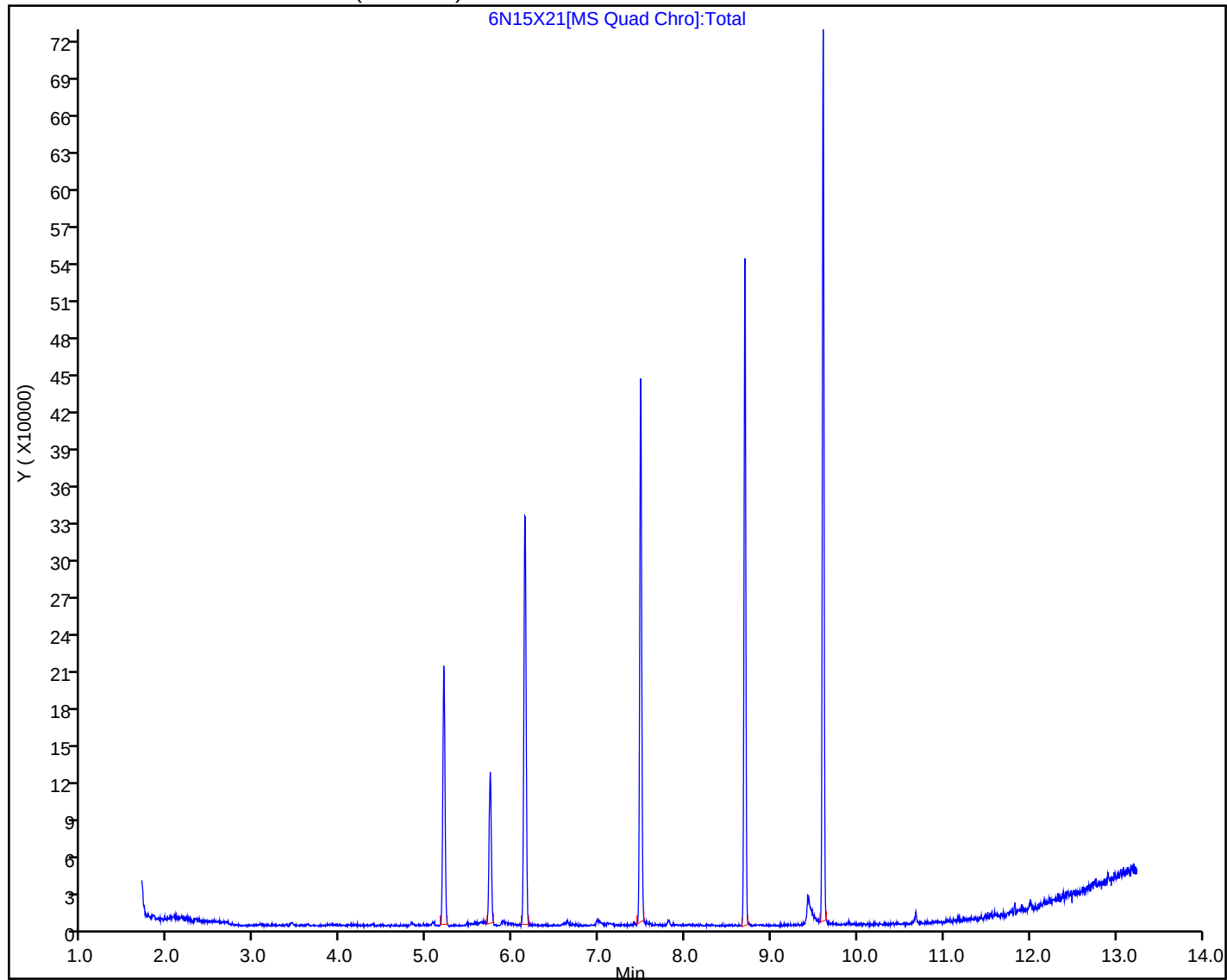
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)

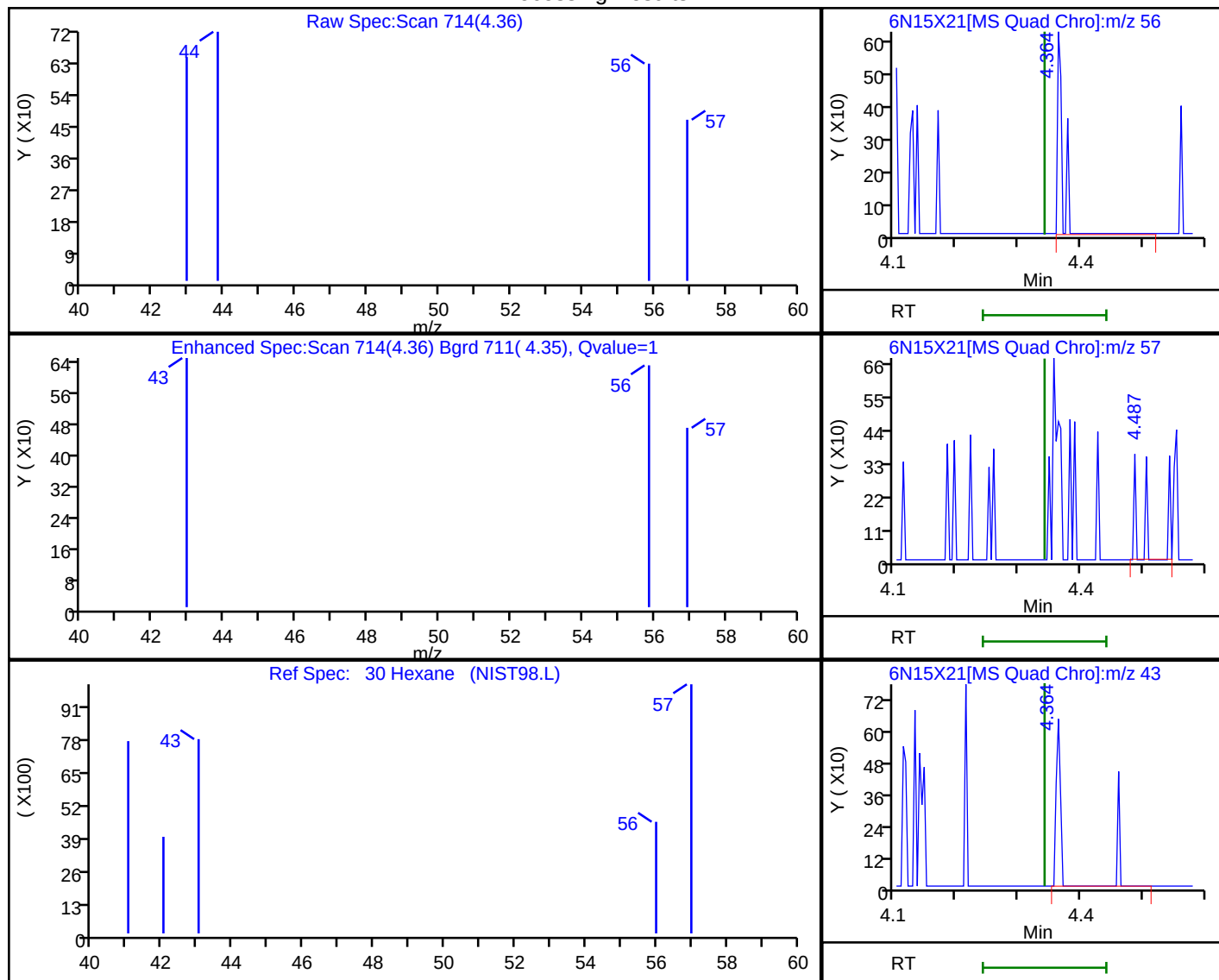


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D
Injection Date: 15-Nov-2024 17:54:52 Instrument ID: HP26379
Lims ID: 410-197119-A-6 Lab Sample ID: 410-197119-6
Client ID: 1342
Operator ID: sn105465 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.36	56.00	331	0.072112
4.49	57.00	236	
4.36	43.00	407	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:50:12 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

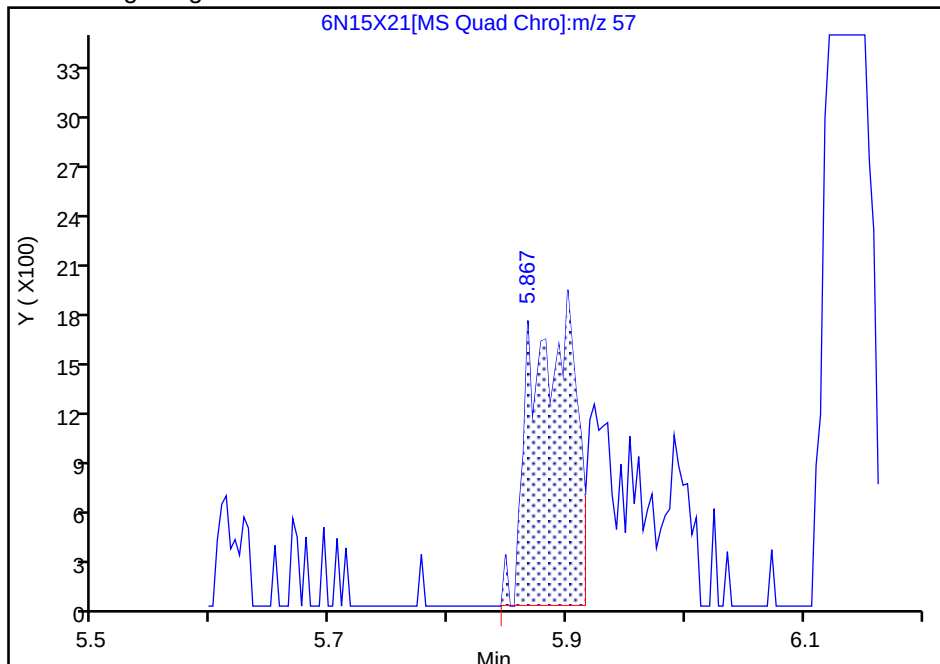
Data File:	\\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D				
Injection Date:	15-Nov-2024 17:54:52	Instrument ID:	HP26379		
Lims ID:	410-197119-A-6	Lab Sample ID:	410-197119-6		
Client ID:	1342				
Operator ID:	sn105465	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

49 Isooctane, CAS: 540-84-1

Signal: 1

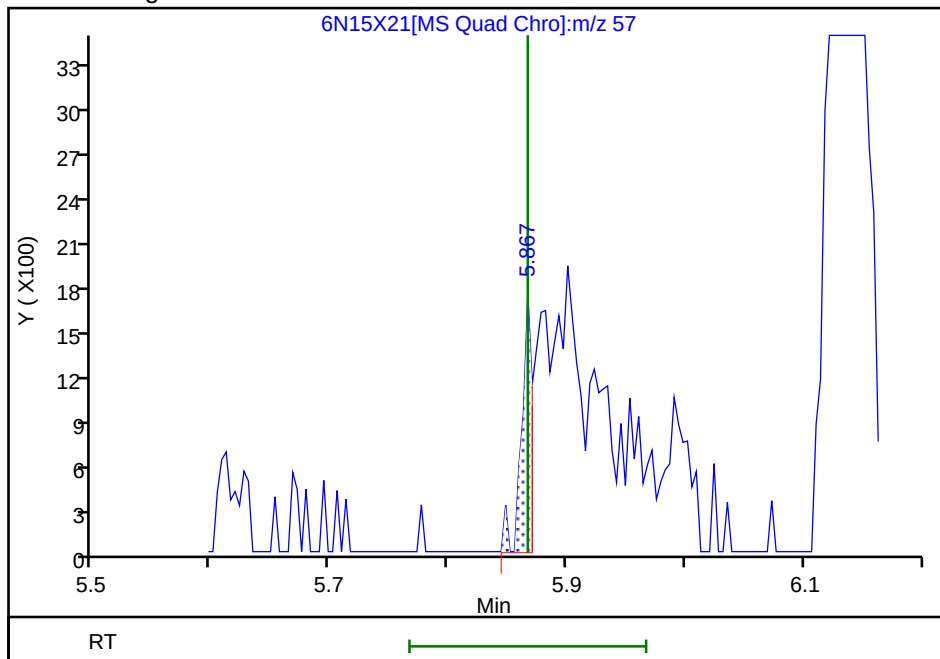
RT: 5.87
Area: 4702
Amount: 0.176114
Amount Units: ppb v/v

Processing Integration Results



RT: 5.87
Area: 922
Amount: 0.034534
Amount Units: ppb v/v

Manual Integration Results



Reviewer: D7UM, 17-Nov-2024 09:50:26 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

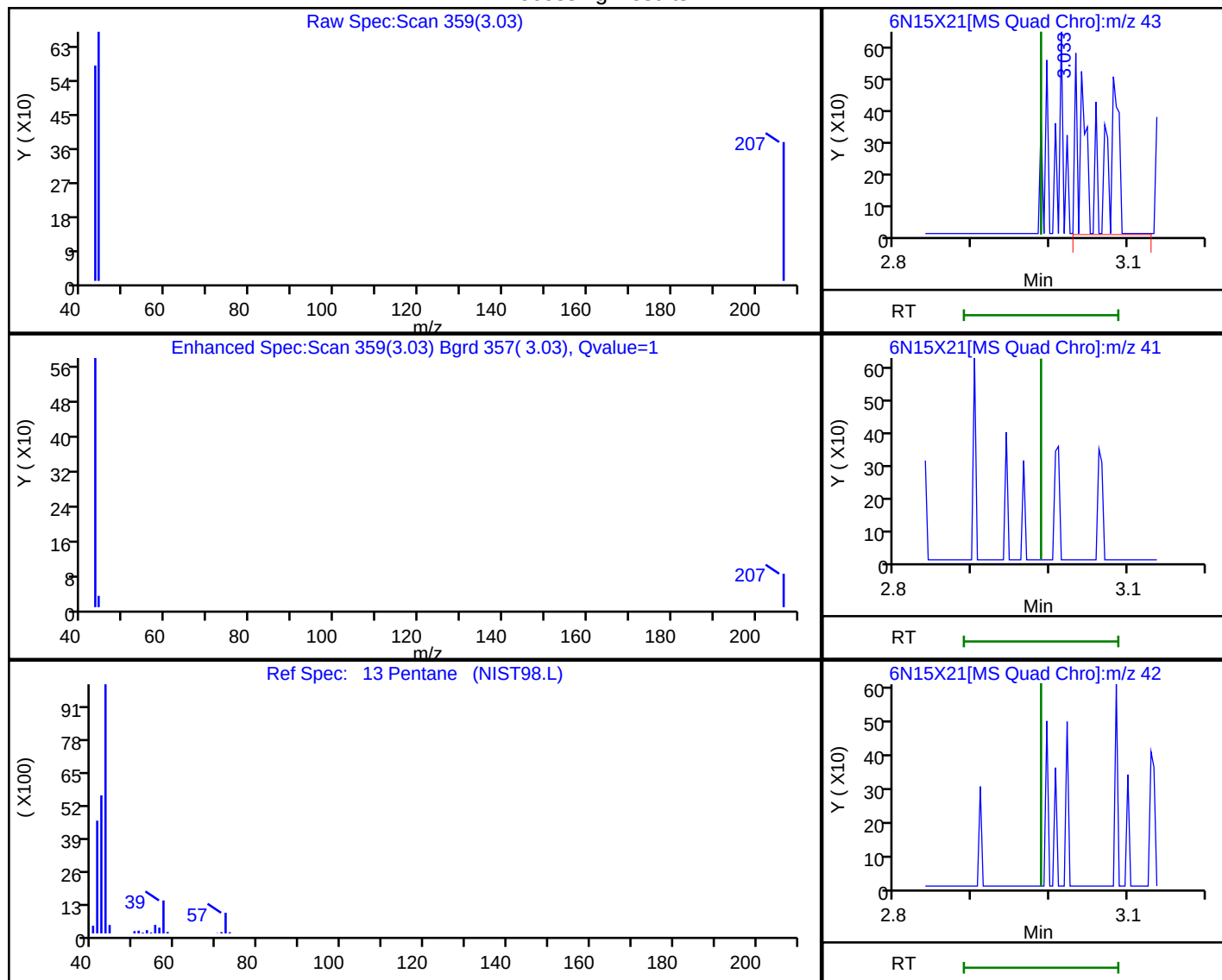
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D
Injection Date: 15-Nov-2024 17:54:52 Instrument ID: HP26379
Lims ID: 410-197119-A-6 Lab Sample ID: 410-197119-6
Client ID: 1342
Operator ID: sn105465 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
3.03	43.00	922	0.130969
2.99	41.00	0	
2.99	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:50:07 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

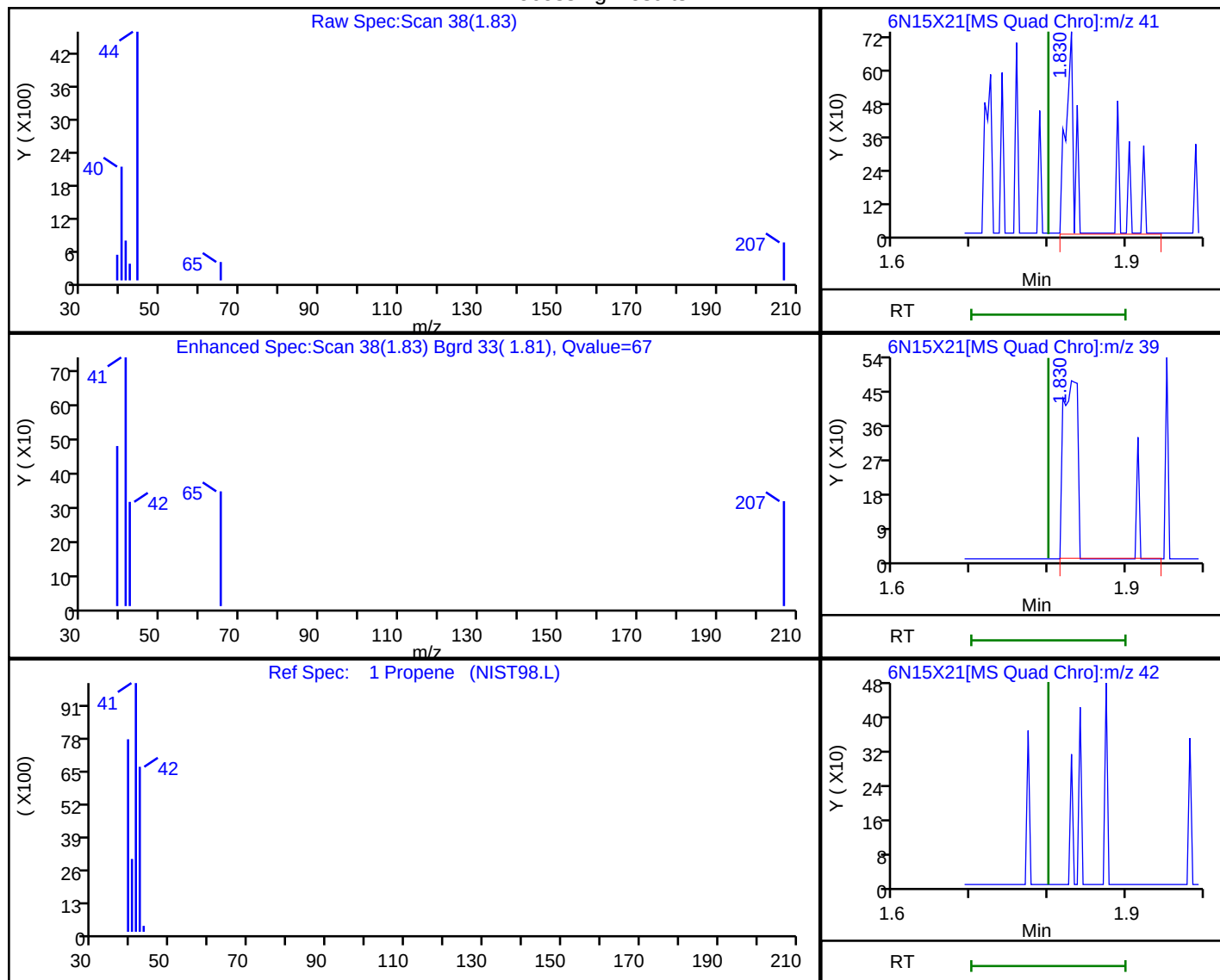
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D
Injection Date: 15-Nov-2024 17:54:52 Instrument ID: HP26379
Lims ID: 410-197119-A-6 Lab Sample ID: 410-197119-6
Client ID: 1342
Operator ID: sn105465 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.83	41.00	804	0.232754
1.83	39.00	670	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:50:03 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

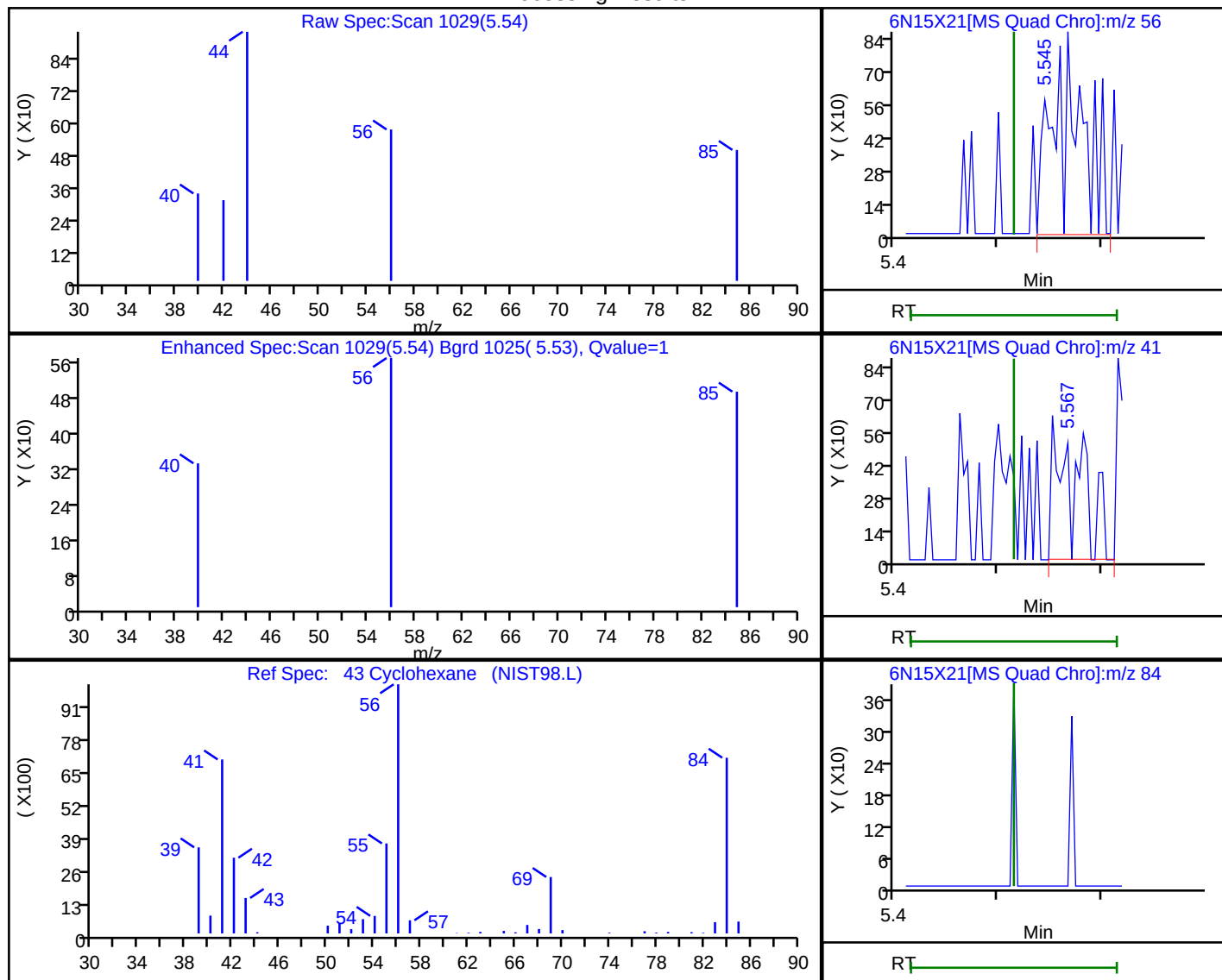
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X21.D
Injection Date: 15-Nov-2024 17:54:52 Instrument ID: HP26379
Lims ID: 410-197119-A-6 Lab Sample ID: 410-197119-6
Client ID: 1342
Operator ID: sn105465 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.54	56.00	1706	0.185819
5.57	41.00	1082	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:50:17 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1455 Lab Sample ID: 410-197119-7

Matrix: Air Lab File ID: 6N15X22.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 18:23

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1455 Lab Sample ID: 410-197119-7

Matrix: Air Lab File ID: 6N15X22.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 18:23

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1455 Lab Sample ID: 410-197119-7

Matrix: Air Lab File ID: 6N15X22.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 18:23

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Lab Sample ID: 410-197119-7

Lab File ID: 6N15X22.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 18:23

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X22.D
Lims ID: 410-197119-A-7
Client ID: 1455
Sample Type: Client
Inject. Date: 15-Nov-2024 18:23:18 ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1455
Misc. Info.: 410-0130751-021
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:51:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.442	3.426	0.030	33	3224	0.5584	
21 Carbon disulfide	76	3.610	3.599	0.011	35	1537	0.0824	
* 39 Chlorobromomethane (IS)	130	5.196	5.196	0.000	76	95828	10.0	
49 Isooctane	57	5.878	5.871	0.011	42	1904	0.0703	
* 52 1,4-Difluorobenzene	114	6.137	6.137	0.000	91	316925	10.0	
65 Toluene	91	7.558	7.542	0.019	22	2744	0.0979	
* 74 Chlorobenzene-d5 (IS)	117	8.693	8.690	0.003	80	303400	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:32

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X22.D

Injection Date: 15-Nov-2024 18:23:18

Instrument ID: HP26379

Lims ID: 410-197119-A-7

Lab Sample ID: 410-197119-7

Client ID: 1455

Operator ID: sn105465

ALS Bottle#: 4 Worklist Smp#: 21

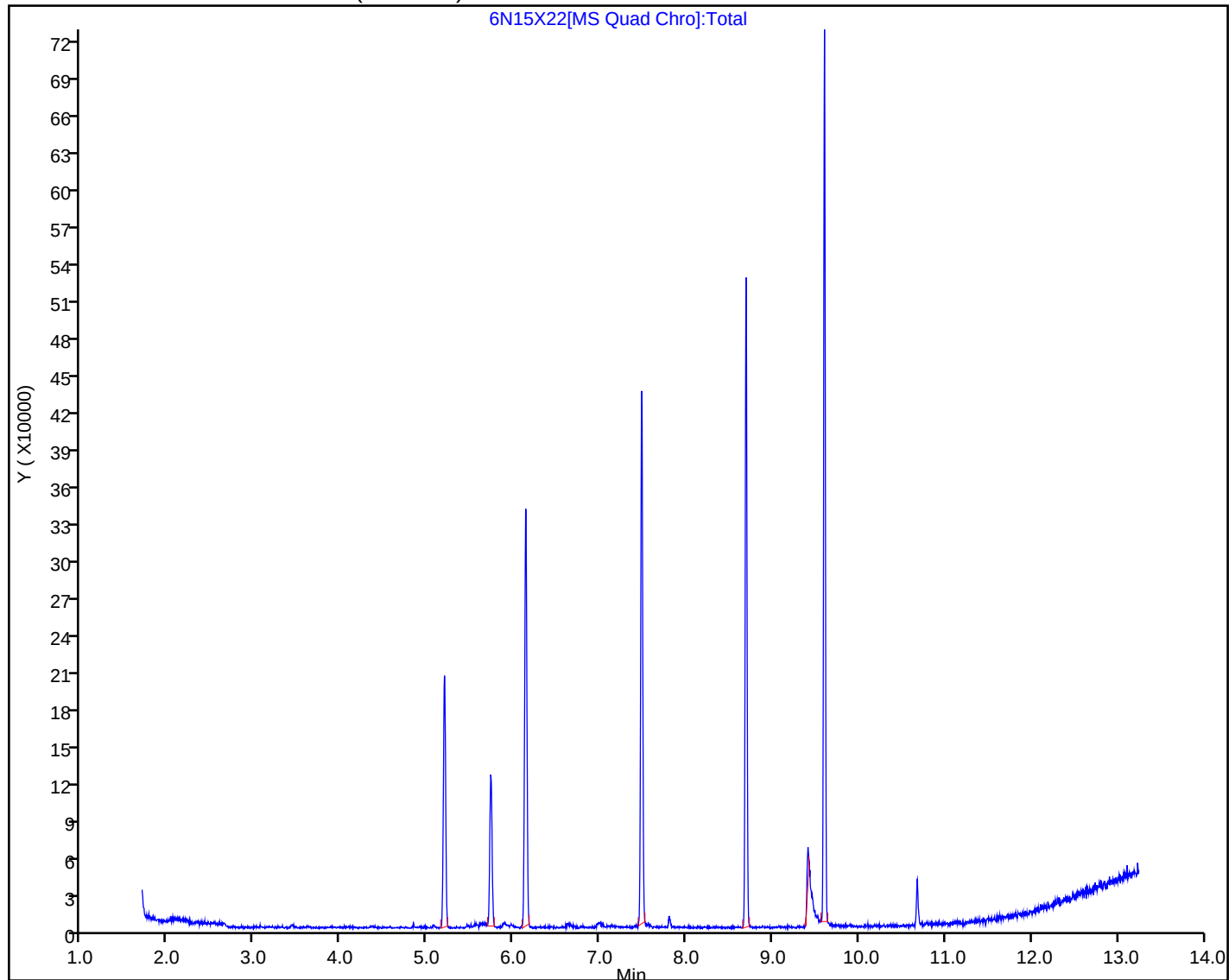
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)

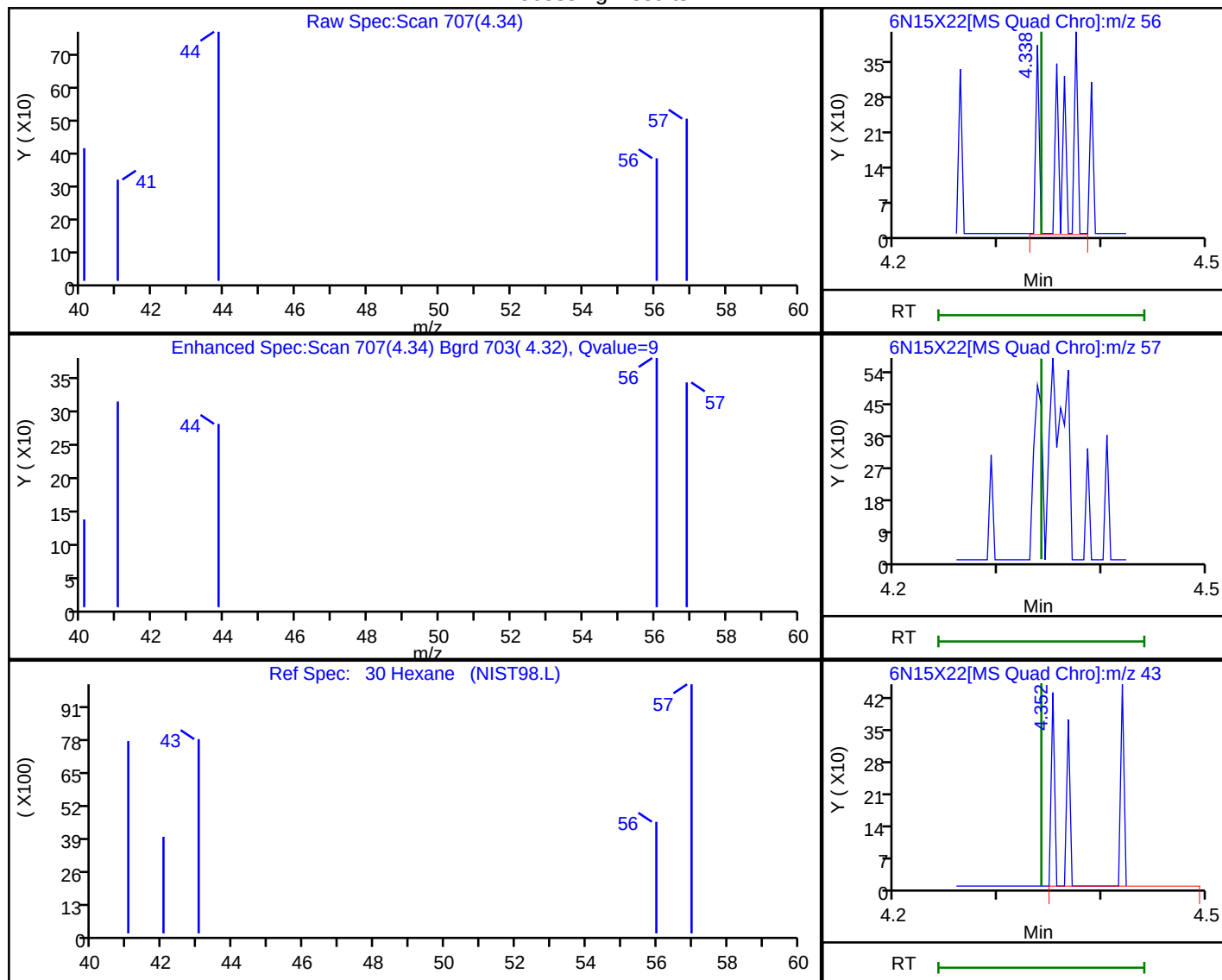


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X22.D
Injection Date: 15-Nov-2024 18:23:18 Instrument ID: HP26379
Lims ID: 410-197119-A-7 Lab Sample ID: 410-197119-7
Client ID: 1455
Operator ID: sn105465 ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.34	56.00	323	0.070037
4.35	57.00	1279	
4.35	43.00	276	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:51:08 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

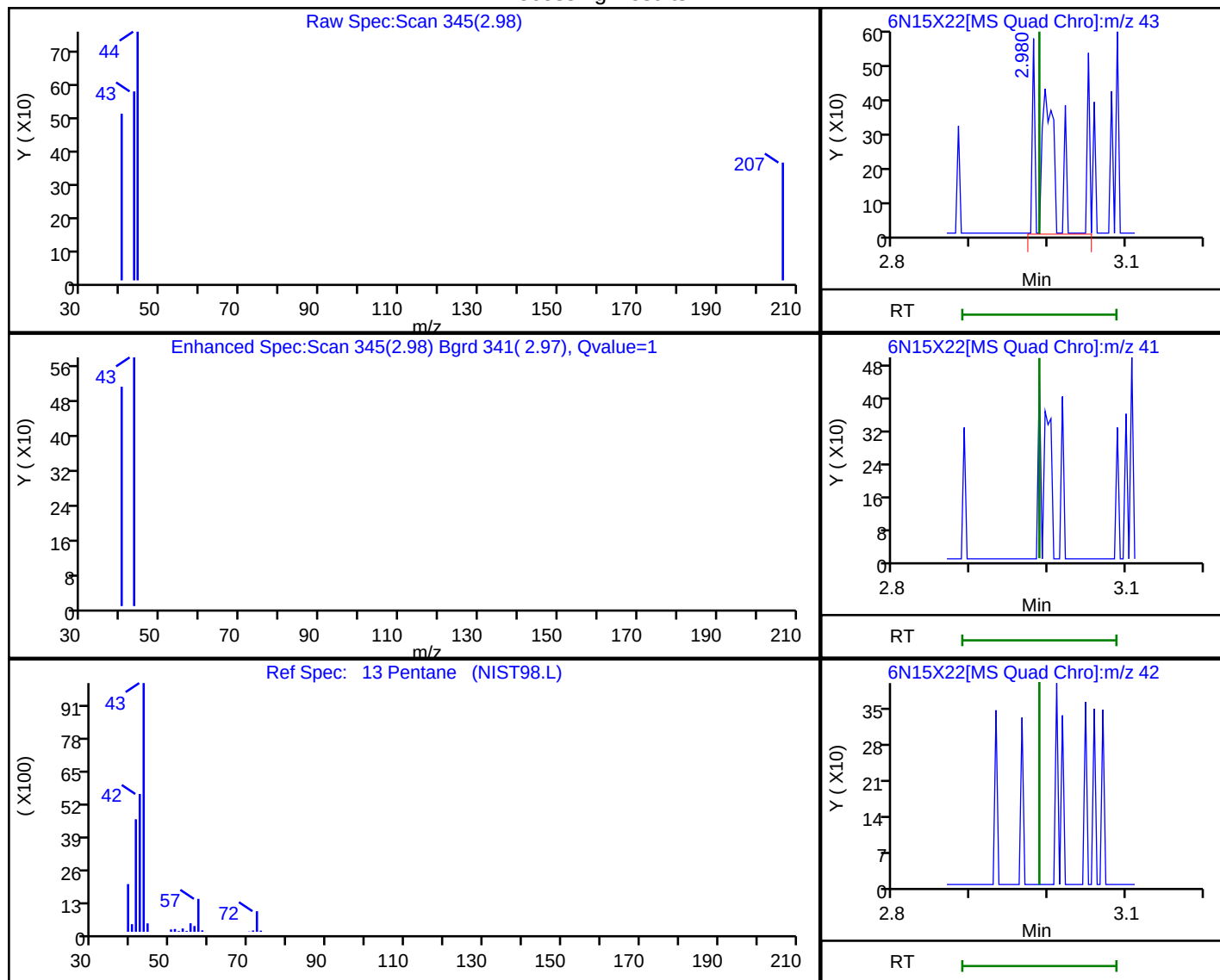
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X22.D
Injection Date: 15-Nov-2024 18:23:18 Instrument ID: HP26379
Lims ID: 410-197119-A-7 Lab Sample ID: 410-197119-7
Client ID: 1455
Operator ID: sn105465 ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
2.98	43.00	731	0.103348
2.99	41.00	0	
2.99	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:51:19 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

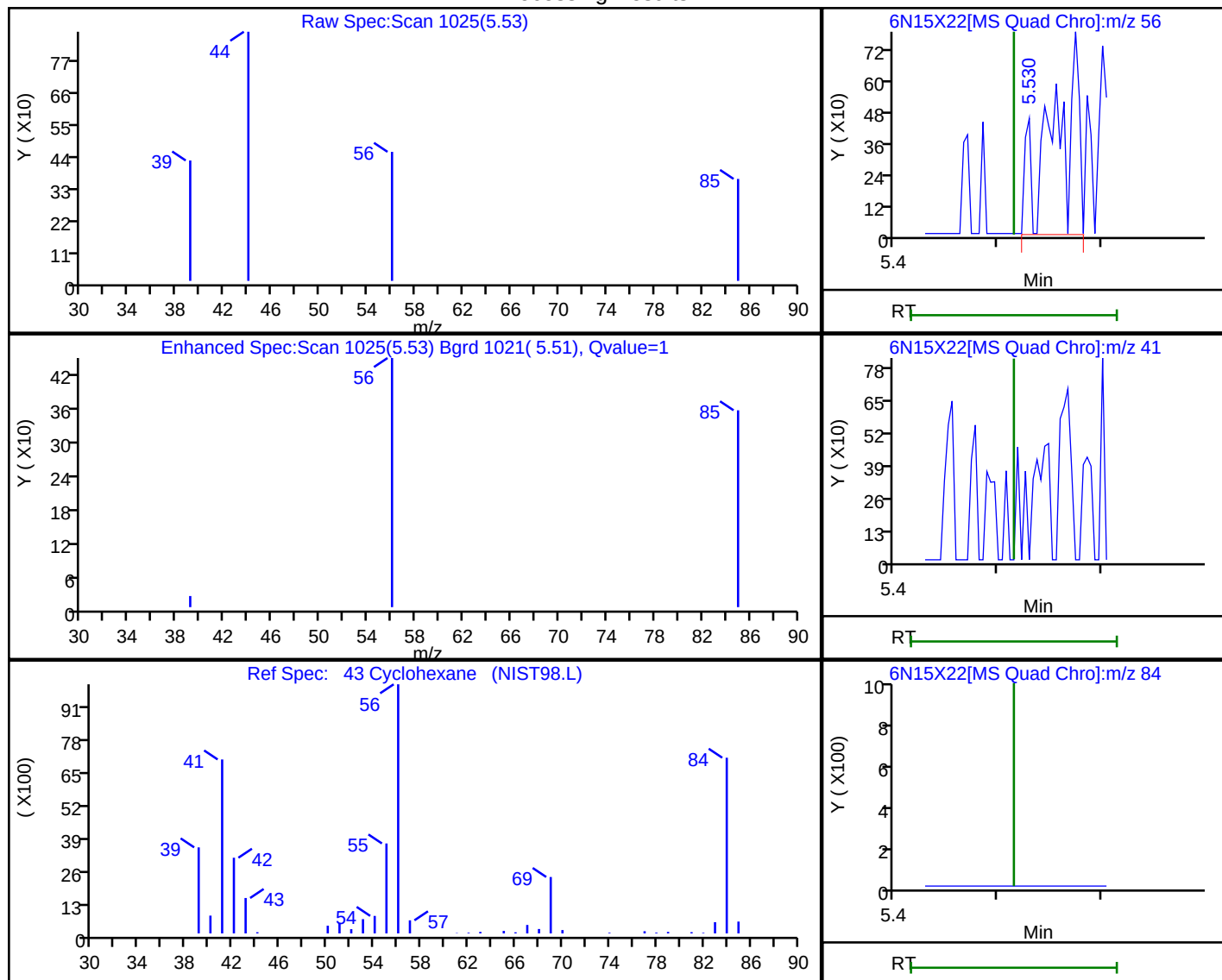
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X22.D
Injection Date: 15-Nov-2024 18:23:18 Instrument ID: HP26379
Lims ID: 410-197119-A-7 Lab Sample ID: 410-197119-7
Client ID: 1455
Operator ID: sn105465 ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.53	56.00	1283	0.139086
5.51	41.00	0	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:51:02 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1263 Lab Sample ID: 410-197119-8

Matrix: Air Lab File ID: 6N15X23.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 18:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1263 Lab Sample ID: 410-197119-8

Matrix: Air Lab File ID: 6N15X23.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 18:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1263 Lab Sample ID: 410-197119-8

Matrix: Air Lab File ID: 6N15X23.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 18:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

SDG No. :

Lab Sample ID: 410-197119-8

Lab File ID: 6N15X23.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 18:51

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Lims ID: 410-197119-A-8
Client ID: 1263
Sample Type: Client
Inject. Date: 15-Nov-2024 18:51:37 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1263
Misc. Info.: 410-0130751-022
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:52:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.434	3.426	0.022	63	3679	0.6393	
21 Carbon disulfide	76	3.618	3.599	0.019	48	3581	0.1926	
26 2-Methyl-2-propanol	59	3.921	3.896	0.022	53	1205	0.1107	
* 39 Chlorobromomethane (IS)	130	5.196	5.196	0.000	77	95516	10.0	
43 Cyclohexane	56	5.529	5.507	0.014	29	1714	0.1864	
49 Isooctane	57	5.871	5.871	0.004	12	3636	0.1315	
* 52 1,4-Difluorobenzene	114	6.137	6.137	0.000	91	323738	10.0	
65 Toluene	91	7.546	7.542	0.007	26	3016	0.1052	
* 74 Chlorobenzene-d5 (IS)	117	8.693	8.690	0.003	80	310257	10.0	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:33

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D

Injection Date: 15-Nov-2024 18:51:37

Instrument ID: HP26379

Lims ID: 410-197119-A-8

Lab Sample ID: 410-197119-8

Client ID: 1263

Operator ID: sn105465

ALS Bottle#: 2 Worklist Smp#: 22

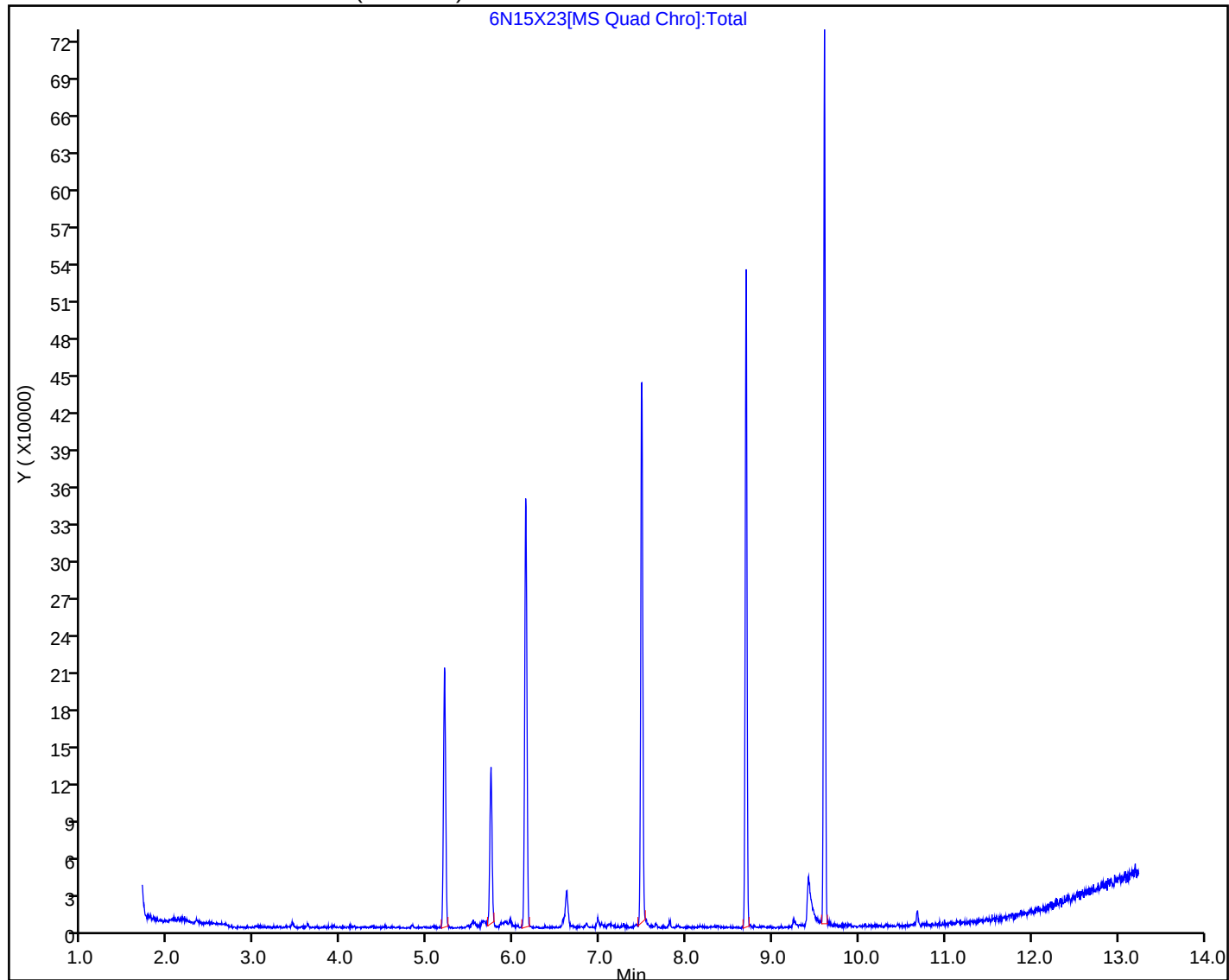
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)

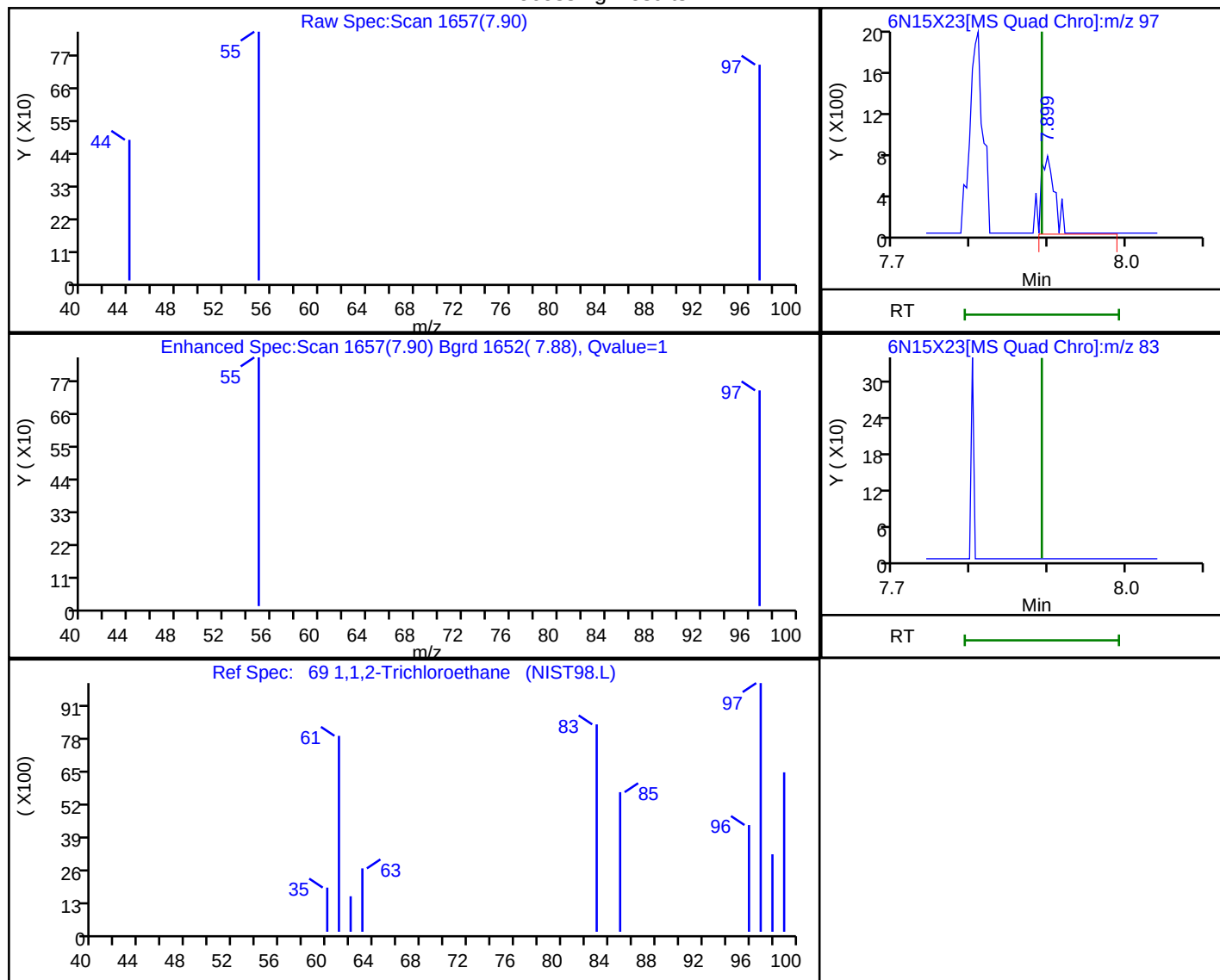


Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Injection Date: 15-Nov-2024 18:51:37 Instrument ID: HP26379
Lims ID: 410-197119-A-8 Lab Sample ID: 410-197119-8
Client ID: 1263
Operator ID: sn105465 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

69 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



Reviewer: D7UM, 17-Nov-2024 09:52:11 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

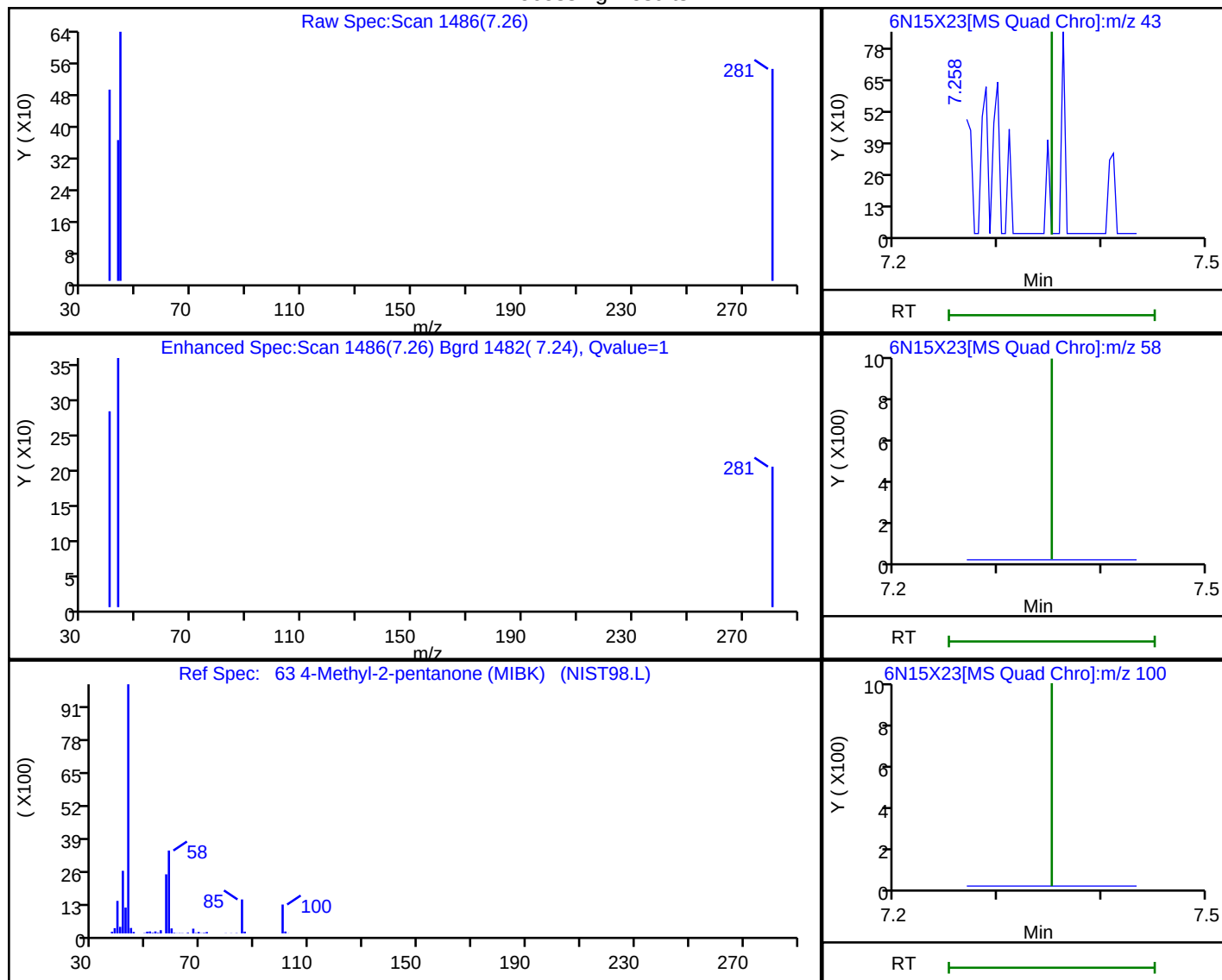
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date: 15-Nov-2024 18:51:37 Instrument ID: HP26379
Lims ID: 410-197119-A-8 Lab Sample ID: 410-197119-8
Client ID: 1263
Operator ID: sn105465 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

63 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.26	43.00	929	0.120157
7.35	58.00	0	
7.35	100.00	0	

Reviewer: D7UM, 17-Nov-2024 09:52:06 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

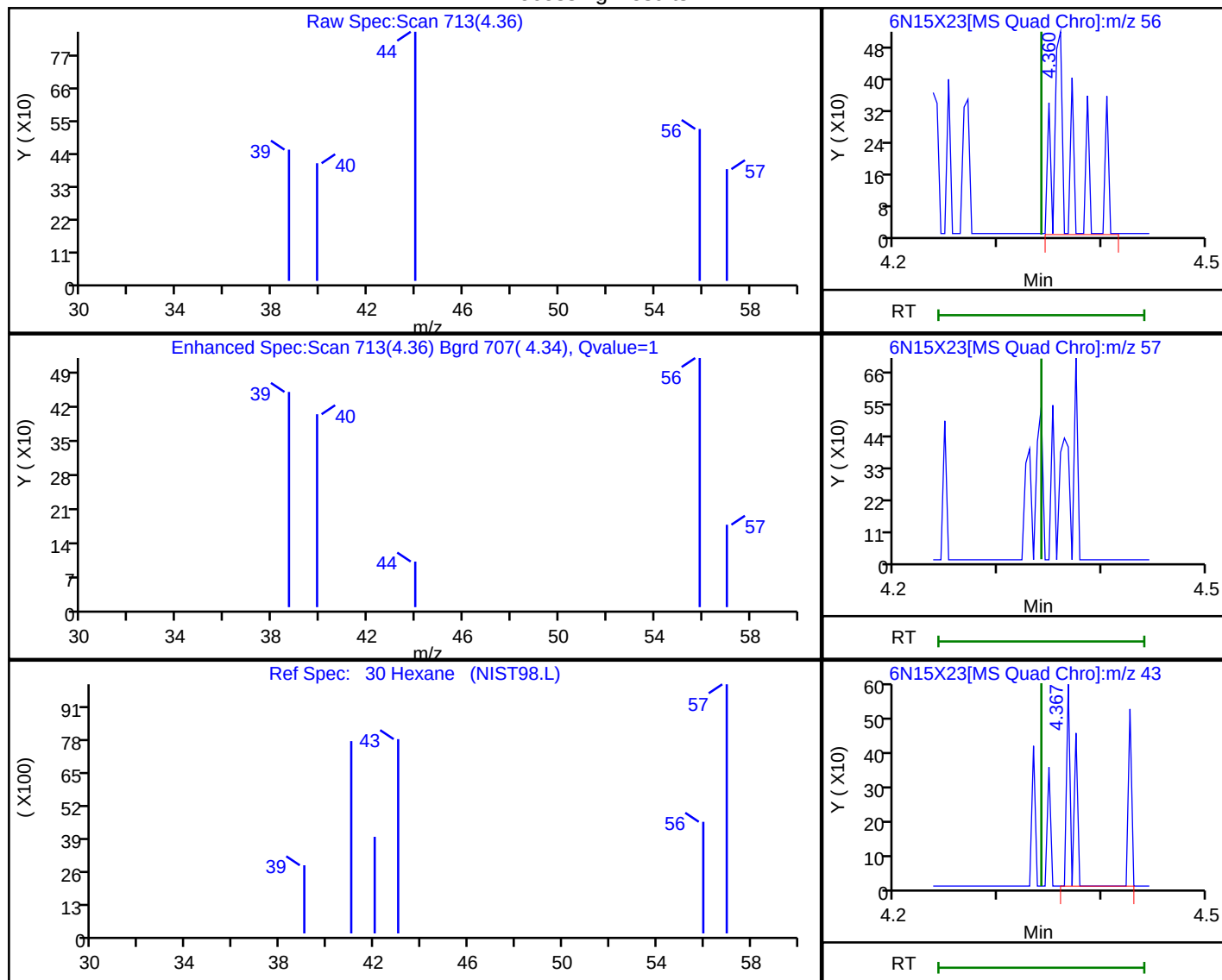
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Injection Date: 15-Nov-2024 18:51:37 Instrument ID: HP26379
Lims ID: 410-197119-A-8 Lab Sample ID: 410-197119-8
Client ID: 1263
Operator ID: sn105465 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.36	56.00	543	0.118125
4.34	57.00	0	
4.37	43.00	353	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:51:41 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

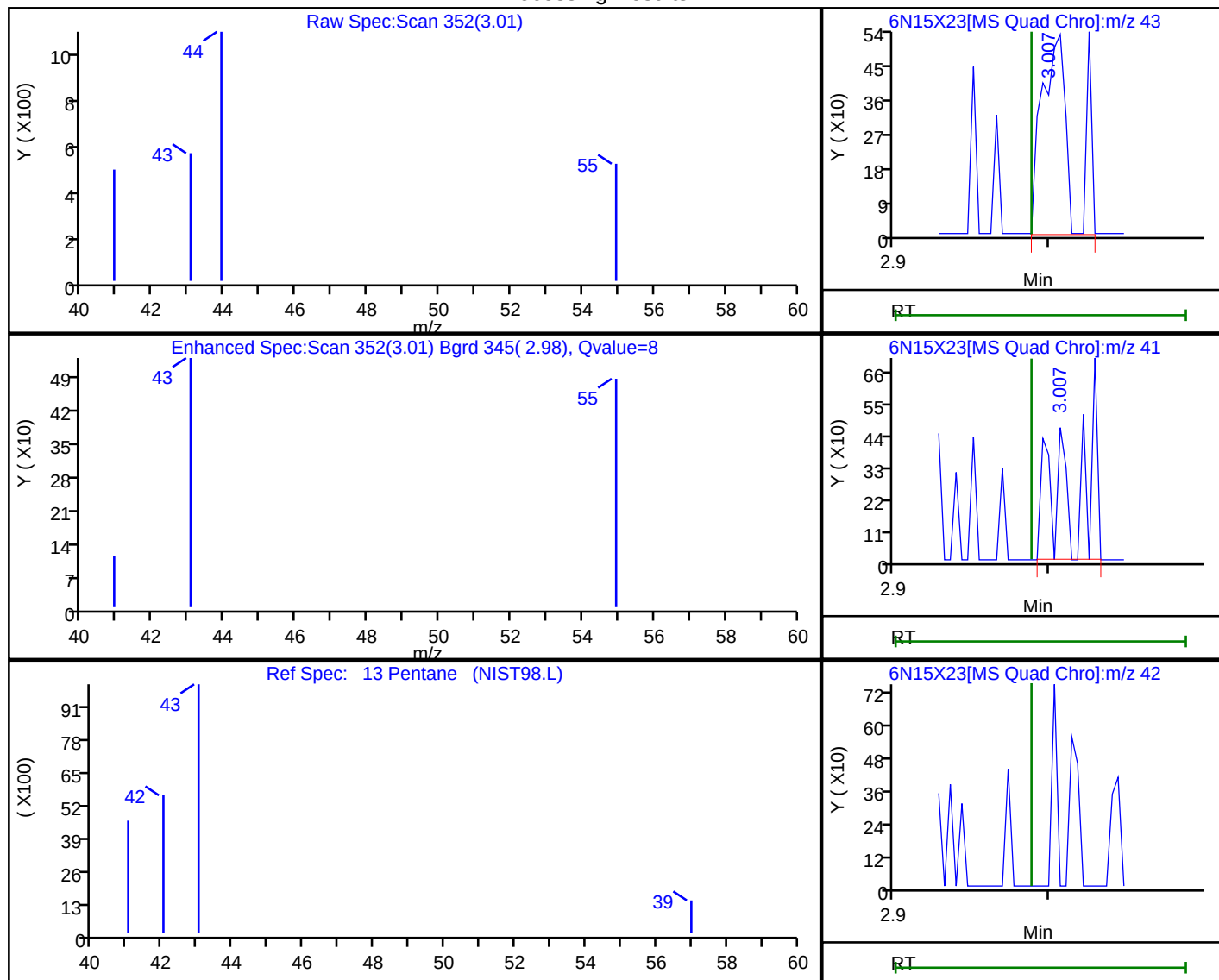
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Injection Date: 15-Nov-2024 18:51:37 Instrument ID: HP26379
Lims ID: 410-197119-A-8 Lab Sample ID: 410-197119-8
Client ID: 1263
Operator ID: sn105465 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
3.01	43.00	663	0.094041
3.01	41.00	626	
2.99	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:51:32 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

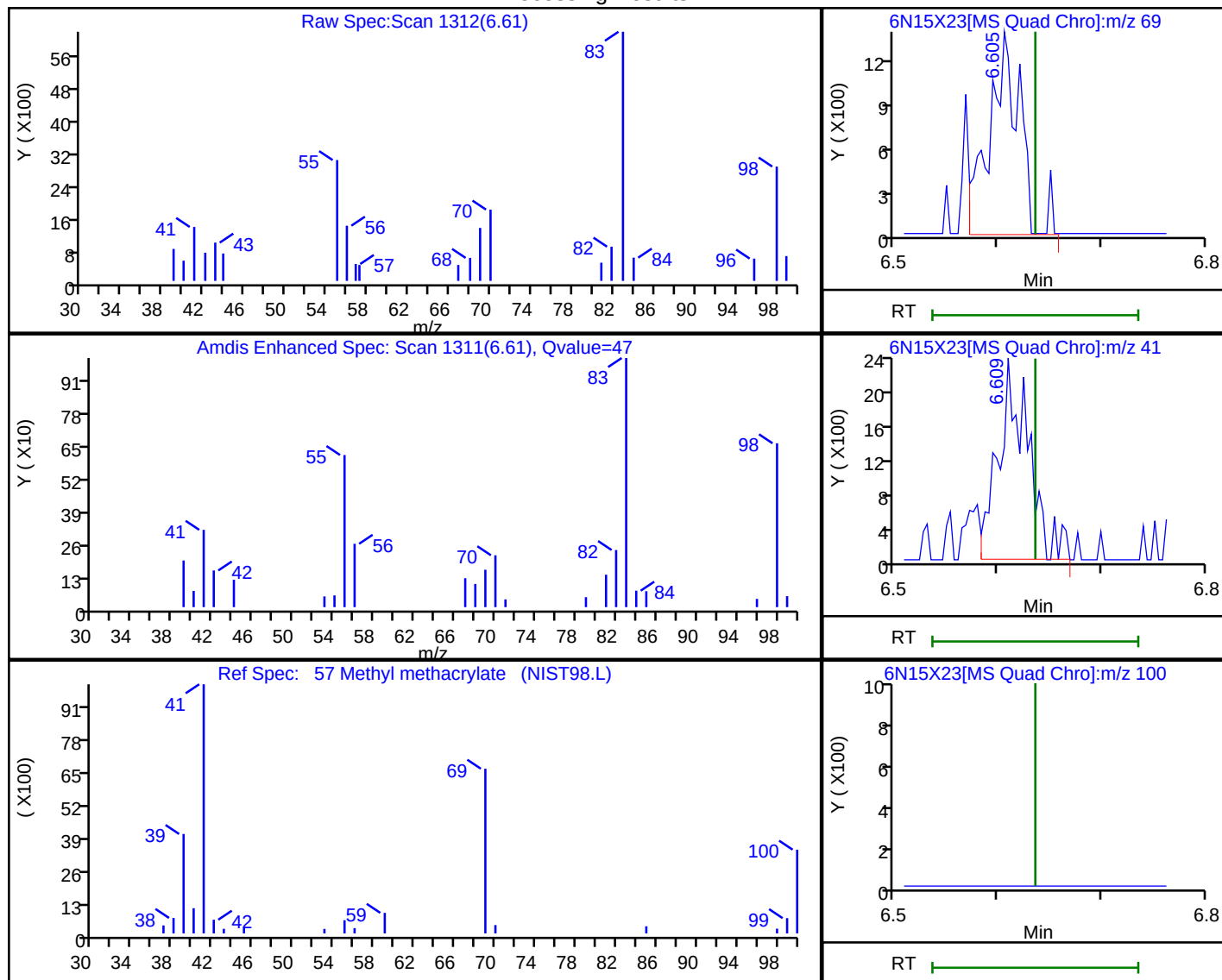
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Injection Date: 15-Nov-2024 18:51:37 Instrument ID: HP26379
Lims ID: 410-197119-A-8 Lab Sample ID: 410-197119-8
Client ID: 1263
Operator ID: sn105465 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

57 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
6.61	69.00	2618	0.472118
6.61	41.00	4769	
6.64	100.00	0	

Reviewer: D7UM, 17-Nov-2024 09:52:03 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

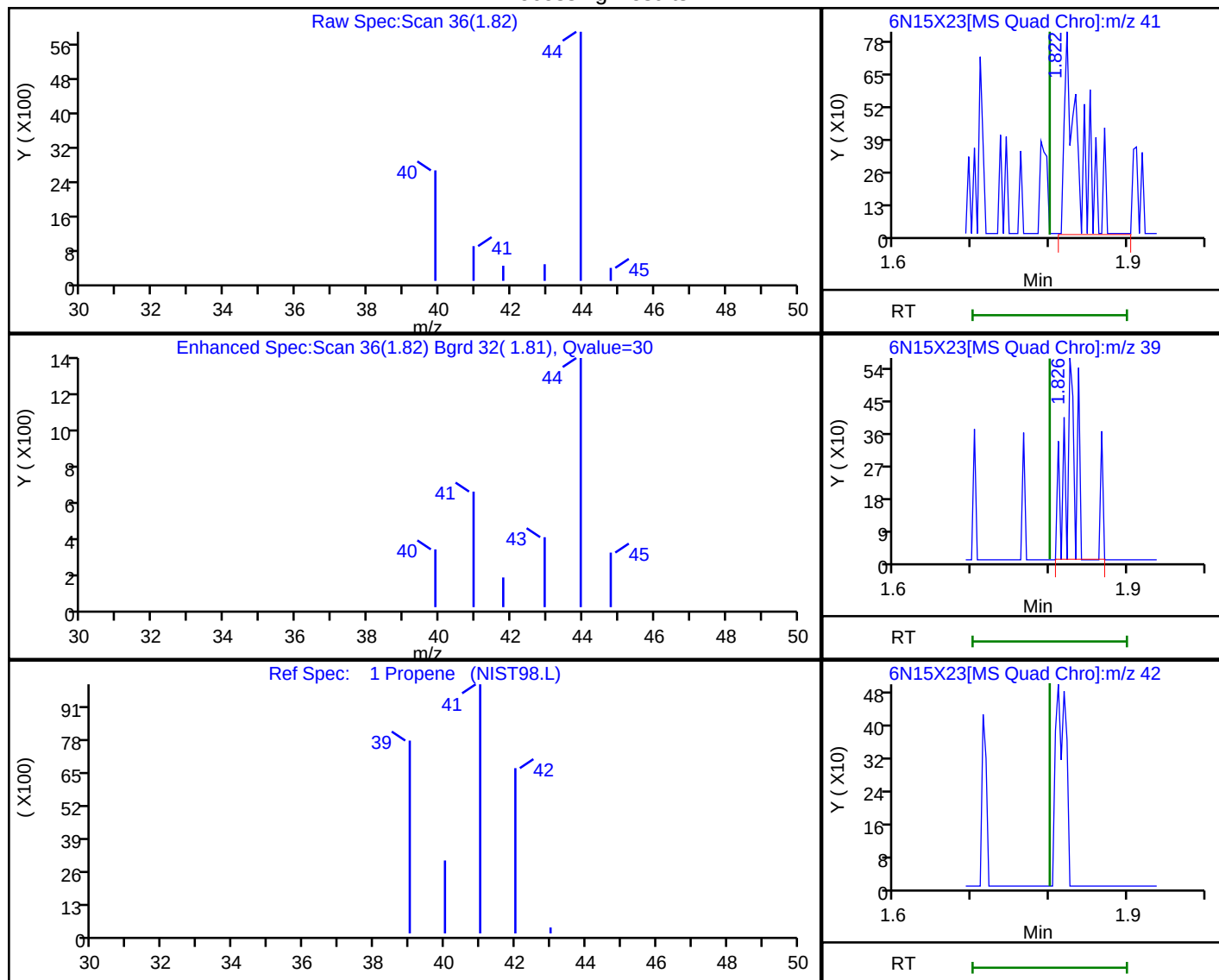
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X23.D
Injection Date: 15-Nov-2024 18:51:37 Instrument ID: HP26379
Lims ID: 410-197119-A-8 Lab Sample ID: 410-197119-8
Client ID: 1263
Operator ID: sn105465 ALS Bottle#: 2 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.82	41.00	1099	0.317689
1.83	39.00	596	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:51:29 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1649 Lab Sample ID: 410-197119-9

Matrix: Air Lab File ID: 6N15X24.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 19:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		1.0	0.15
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.15
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.12
75-34-3	1,1-Dichloroethane	ND		1.0	0.089
75-35-4	1,1-Dichloroethene	ND		1.0	0.14
96-18-4	1,2,3-Trichloropropane	ND		1.0	0.14
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.50
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	0.28
106-93-4	1,2-Dibromoethane	ND		1.0	0.13
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.28
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.20
107-06-2	1,2-Dichloroethane	ND		1.0	0.080
78-87-5	1,2-Dichloropropane	ND		1.0	0.13
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	0.32
540-59-0	1,2-Dichloroethene (total)	ND		1.0	0.20
106-99-0	1,3-Butadiene	ND		1.0	0.17
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.30
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.30
78-93-3	2-Butanone	ND		1.0	0.21
591-78-6	2-Hexanone	ND		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	1.2	J	5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1649 Lab Sample ID: 410-197119-9

Matrix: Air Lab File ID: 6N15X24.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 19:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride	ND		1.0	0.14
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-197119-1
Environment Testing, LLC

SDG No.: _____

Client Sample ID: 1649 Lab Sample ID: 410-197119-9

Matrix: Air Lab File ID: 6N15X24.D

Analysis Method: TO-15 Date Collected: 11/15/2024 09:32

Sample wt/vol: 200 (mL) Date Analyzed: 11/15/2024 19:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 575423 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.60
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND	++	1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11

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Job No.: 410-197119-1

Client Sample ID: 1649

Lab Sample ID: 410-197119-9

Lab File ID: 6N15X24.D

Date Collected: 11/15/2024 09:32

Date Analyzed: 11/15/2024 19:20

Dilution Factor: 1

GC Column: Rtx-VMS 60m ID: 0.25 (mm)

Heated Purge: (Y/N)

Level: (low/med) Low

Units: ppb v/v

Instrument ID: HP26379

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D
Lims ID: 410-197119-A-9
Client ID: 1649
Sample Type: Client
Inject. Date: 15-Nov-2024 19:20:01 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: cc1649
Misc. Info.: 410-0130751-023
Operator ID: sn105465 Instrument ID: HP26379
Method: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 17-Nov-2024 10:02:26 Calib Date: 13-Nov-2024 20:24:17
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20241113-130566.b\6N13X10.D
Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: D7UM

Date: 17-Nov-2024 09:53:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
18 Acetone	43	3.426	3.426	0.014	75	7000	1.25	a
21 Carbon disulfide	76	3.603	3.599	0.004	59	1752	0.0964	
* 39 Chlorobromomethane (IS)	130	5.192	5.196	-0.004	77	93311	10.0	
49 Isooctane	57	5.867	5.871	0.000	12	848	0.0322	7M
* 52 1,4-Difluorobenzene	114	6.137	6.137	0.000	91	307994	10.0	
65 Toluene	91	7.542	7.542	0.003	27	2425	0.0869	
* 74 Chlorobenzene-d5 (IS)	117	8.690	8.690	0.000	80	301946	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRIS200 ppb_00367

Amount Added: 10.00

Units: mL

Run Reagent

Report Date: 17-Nov-2024 10:15:35

Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D

Injection Date: 15-Nov-2024 19:20:01

Instrument ID: HP26379

Lims ID: 410-197119-A-9

Lab Sample ID: 410-197119-9

Client ID: 1649

Operator ID: sn105465

ALS Bottle#: 14

Worklist Smp#: 23

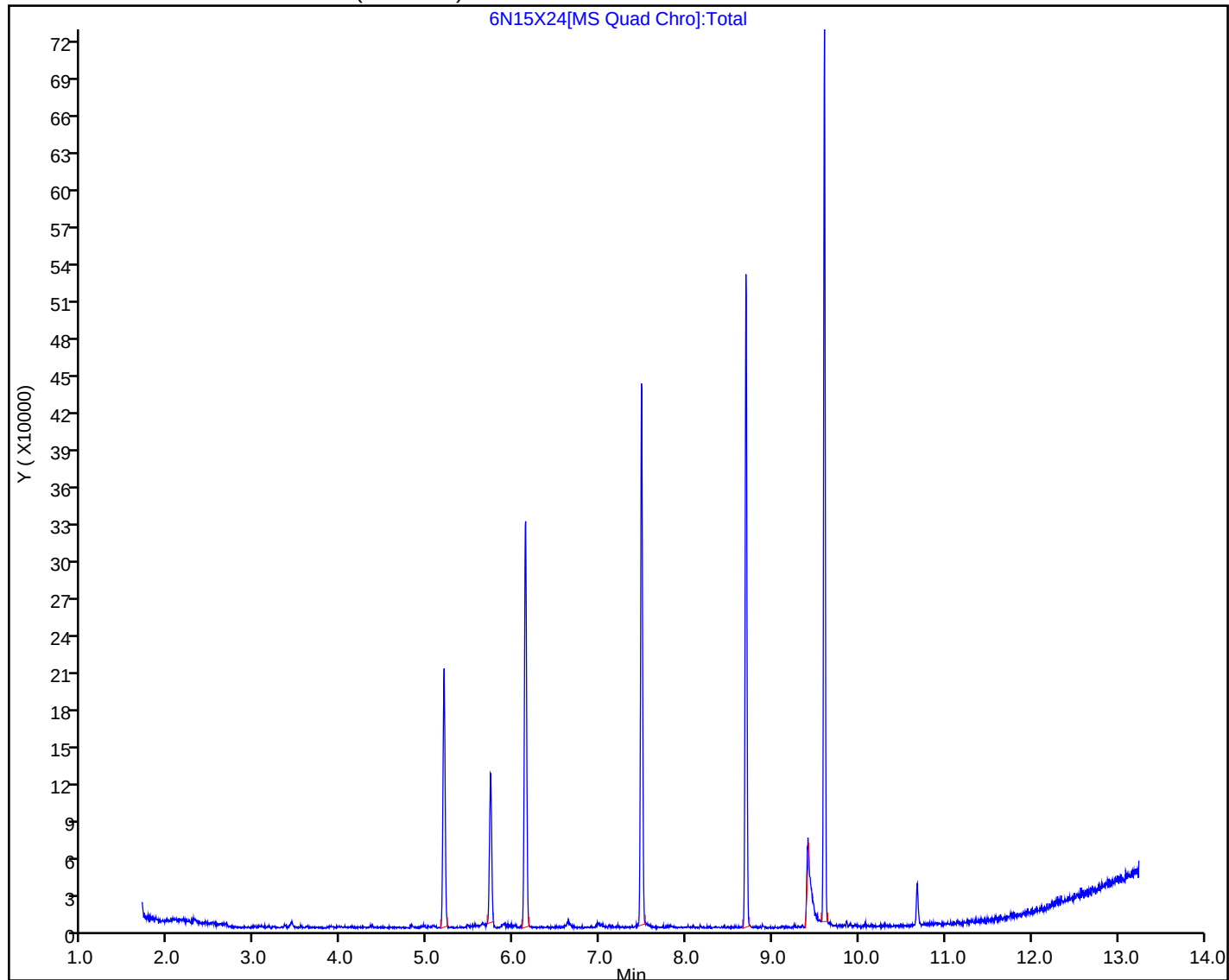
Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D

Injection Date: 15-Nov-2024 19:20:01

Instrument ID: HP26379

Lims ID: 410-197119-A-9

Lab Sample ID: 410-197119-9

Client ID: 1649

Operator ID: sn105465

ALS Bottle#: 14

Worklist Smp#: 23

Purge Vol: 200.000 mL

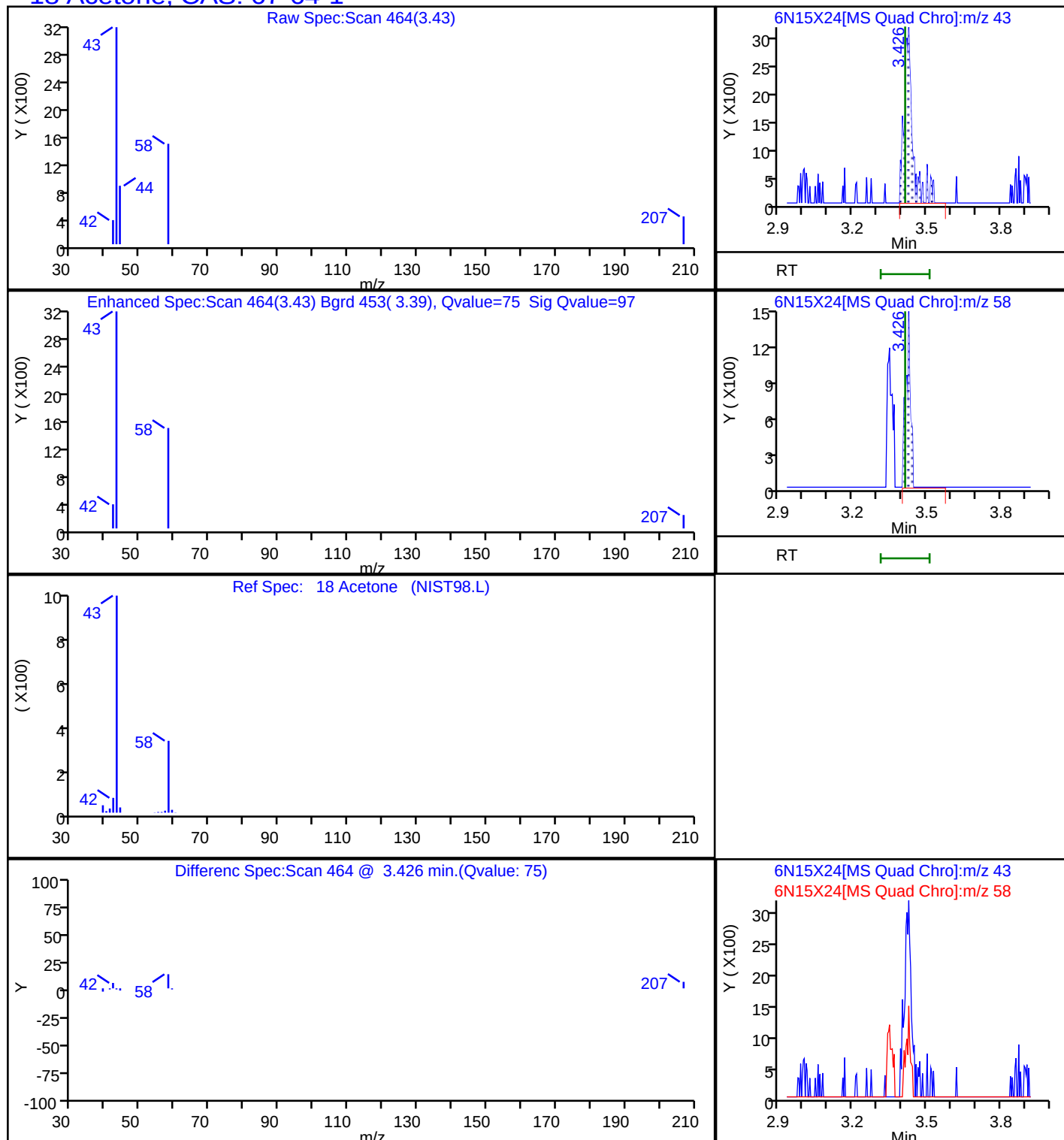
Dil. Factor: 1.0000

Method: AirMS_HP26379

Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector

MS Quad

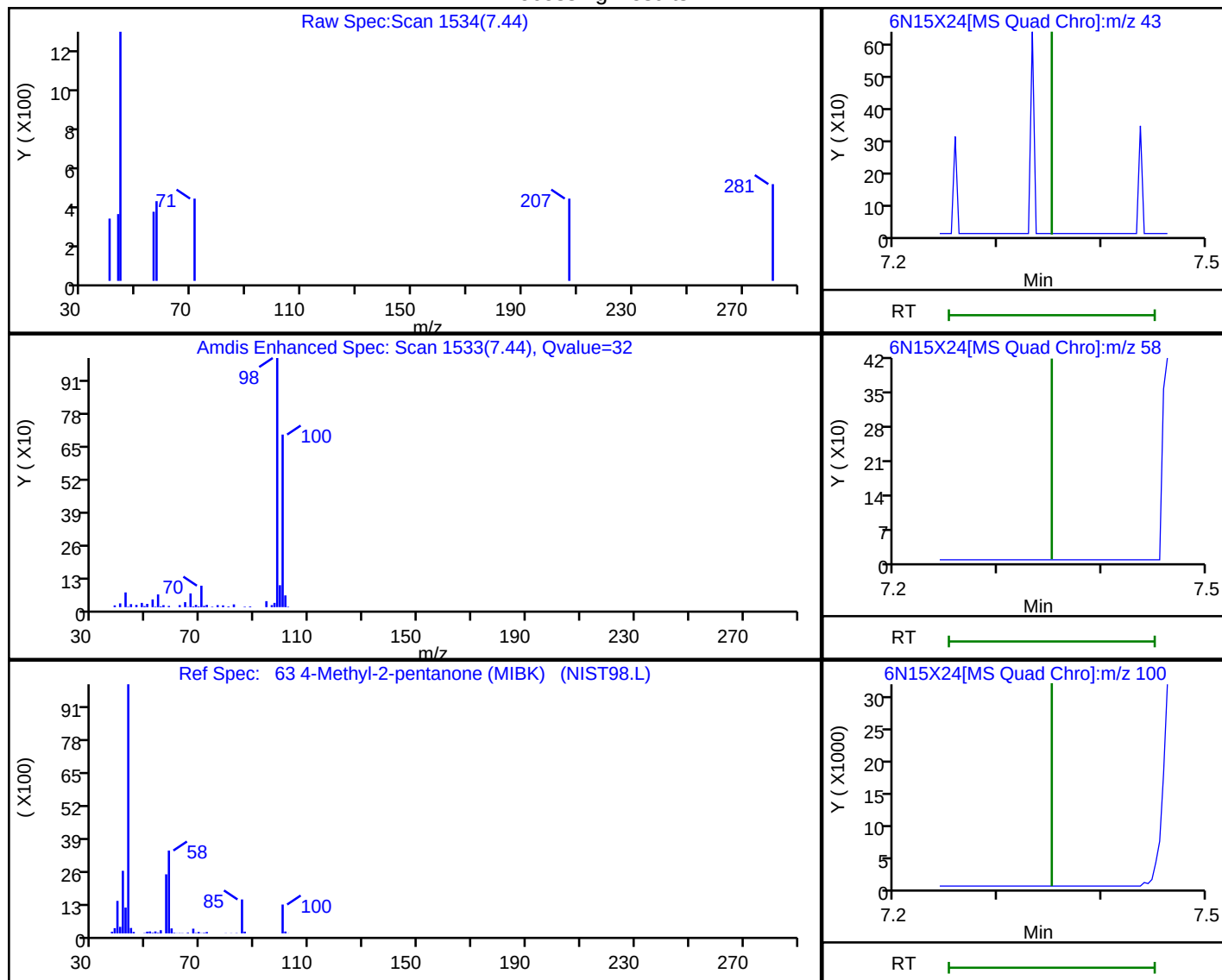
18 Acetone, CAS: 67-64-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D
Injection Date: 15-Nov-2024 19:20:01 Instrument ID: HP26379
Lims ID: 410-197119-A-9 Lab Sample ID: 410-197119-9
Client ID: 1649
Operator ID: sn105465 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

63 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.44	43.00	915	0.124396
7.47	58.00	1622	
7.48	100.00	195822	

Reviewer: D7UM, 17-Nov-2024 09:52:36 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D				
Injection Date:	15-Nov-2024 19:20:01	Instrument ID:	HP26379		
Lims ID:	410-197119-A-9	Lab Sample ID:	410-197119-9		
Client ID:	1649				
Operator ID:	sn105465	ALS Bottle#:	14	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

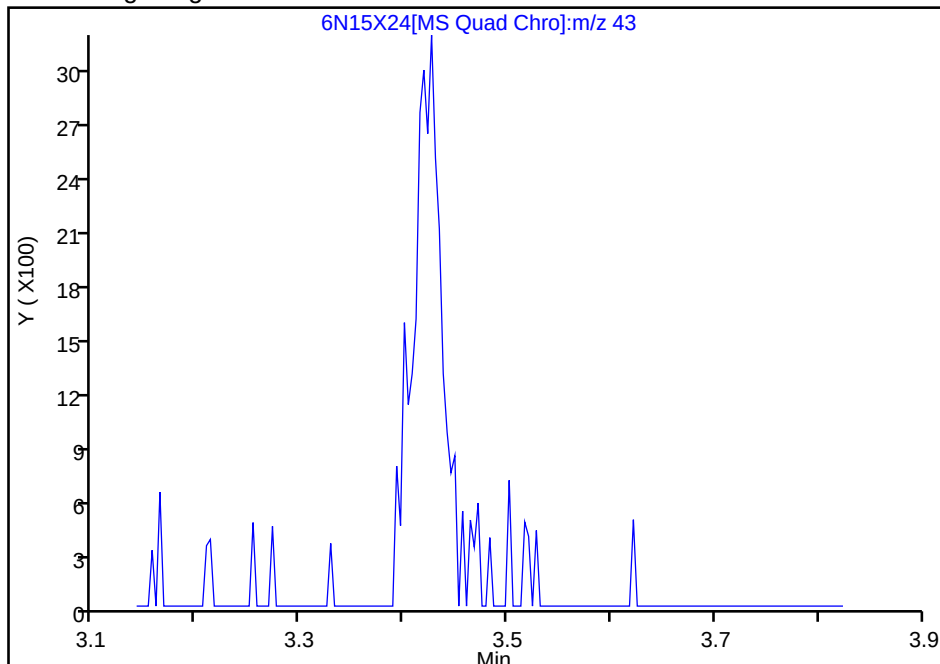
18 Acetone, CAS: 67-64-1

Signal: 1

Not Detected

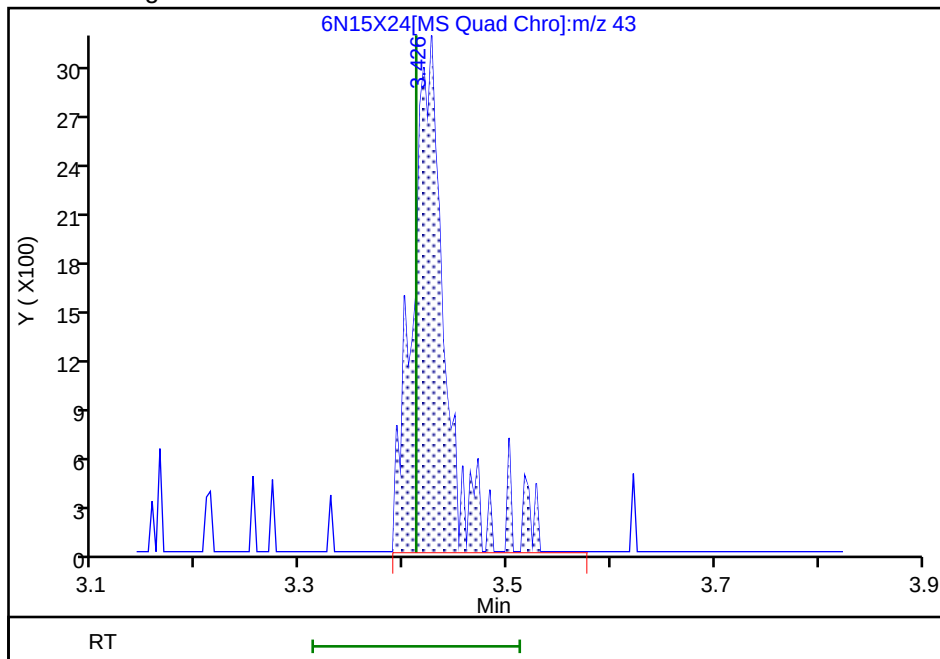
Expected RT: 3.41

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 7000
Amount: 1.245038
Amount Units: ppb v/v



Reviewer: D7UM, 17-Nov-2024 09:53:08 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

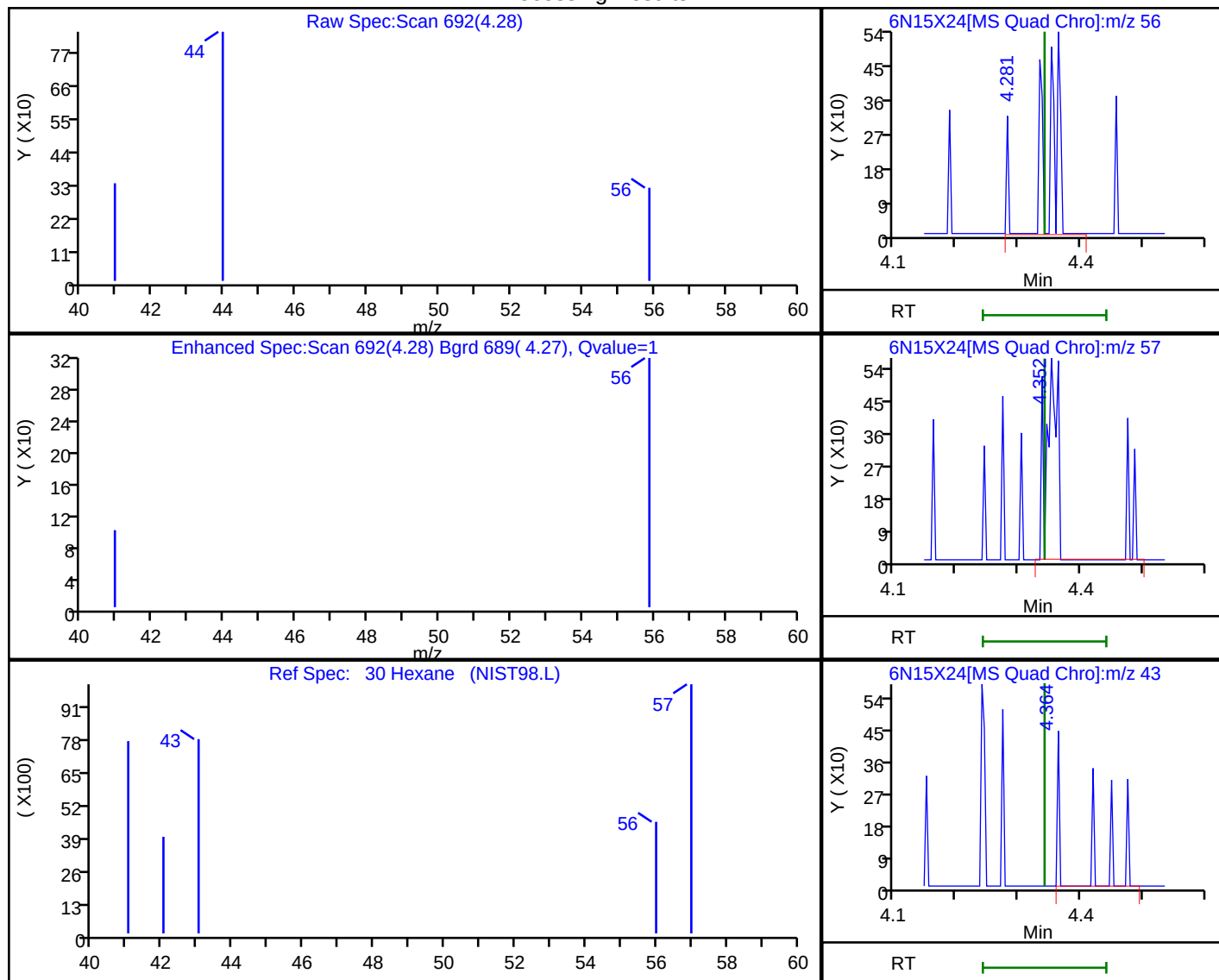
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D
Injection Date: 15-Nov-2024 19:20:01 Instrument ID: HP26379
Lims ID: 410-197119-A-9 Lab Sample ID: 410-197119-9
Client ID: 1649
Operator ID: sn105465 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

30 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
4.28	56.00	644	0.143407
4.35	57.00	863	
4.36	43.00	313	
4.34	86.00	0	

Reviewer: D7UM, 17-Nov-2024 09:53:01 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

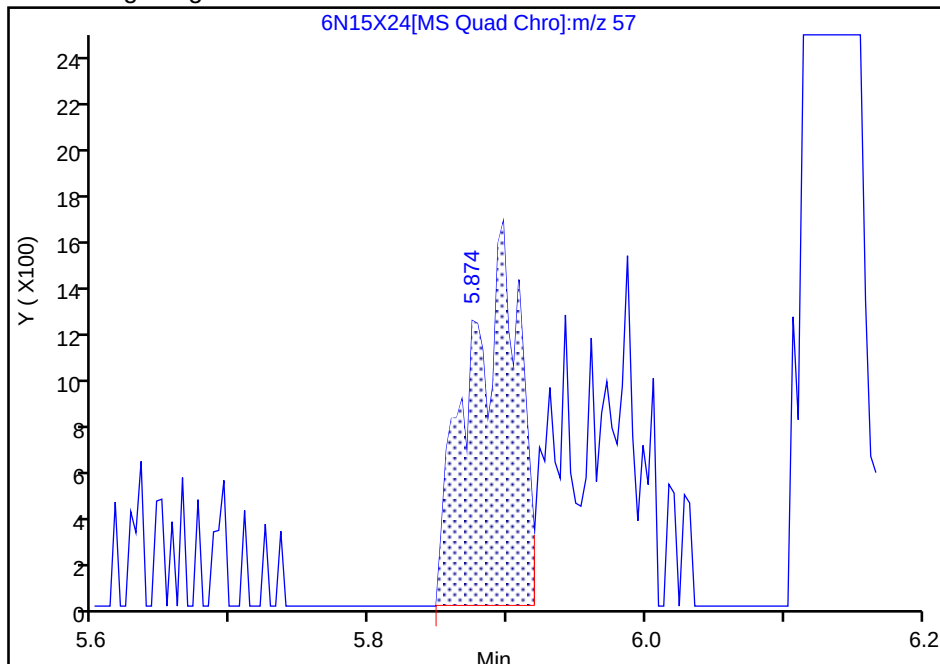
Data File:	\\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D				
Injection Date:	15-Nov-2024 19:20:01	Instrument ID:	HP26379		
Lims ID:	410-197119-A-9	Lab Sample ID:	410-197119-9		
Client ID:	1649				
Operator ID:	sn105465	ALS Bottle#:	14	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP26379	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector:	MS Quad		

49 Isooctane, CAS: 540-84-1

Signal: 1

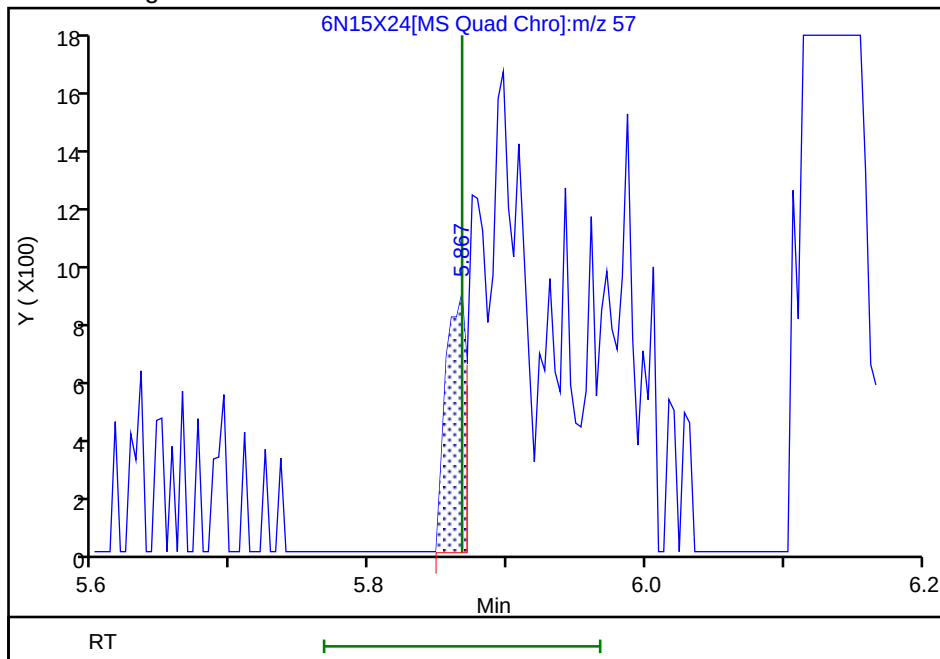
RT: 5.87
Area: 4023
Amount: 0.152914
Amount Units: ppb v/v

Processing Integration Results



RT: 5.87
Area: 848
Amount: 0.032232
Amount Units: ppb v/v

Manual Integration Results



Reviewer: D7UM, 17-Nov-2024 09:52:48 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

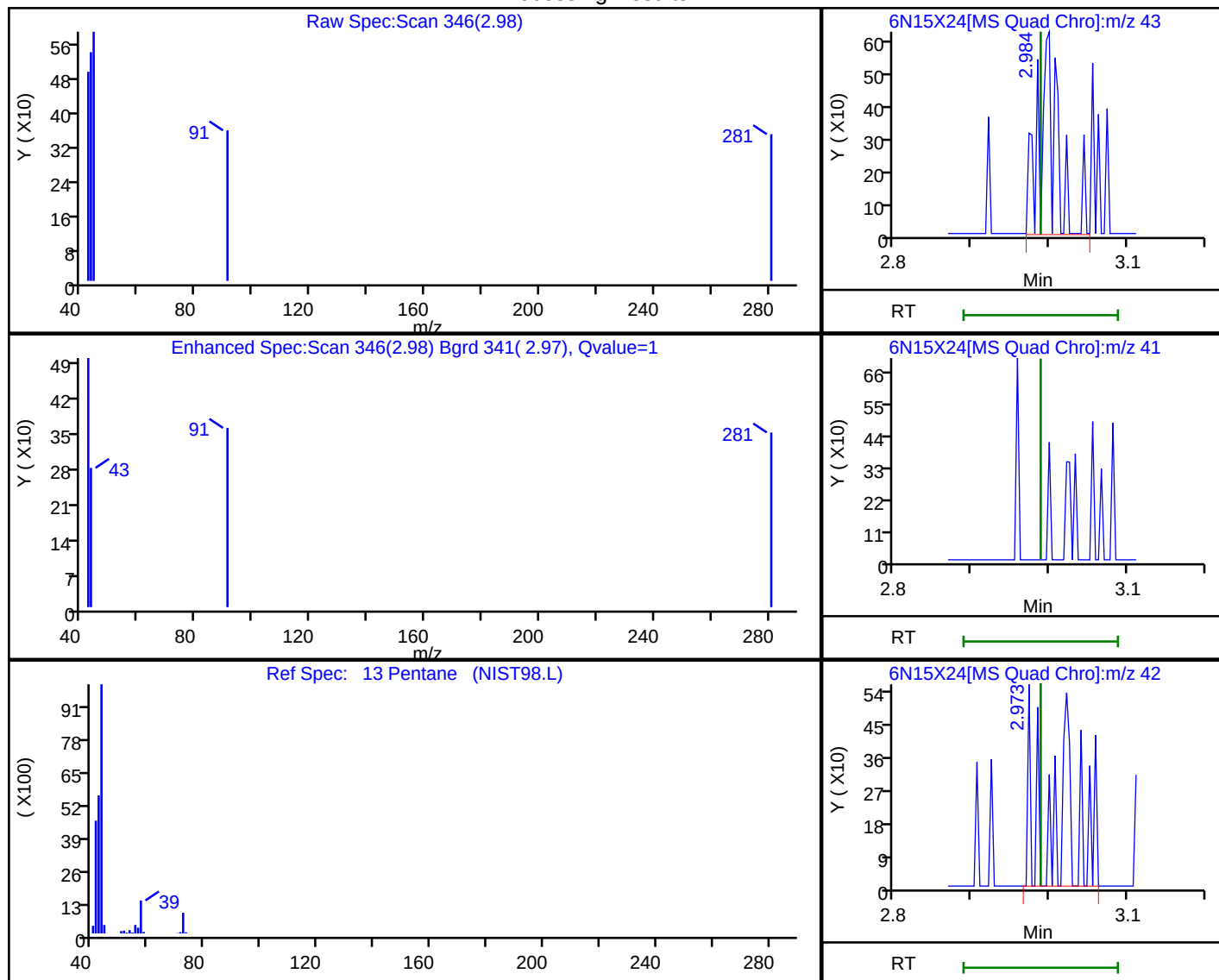
Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D
Injection Date: 15-Nov-2024 19:20:01 Instrument ID: HP26379
Lims ID: 410-197119-A-9 Lab Sample ID: 410-197119-9
Client ID: 1649
Operator ID: sn105465 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
2.98	43.00	975	0.141563
2.99	41.00	0	
2.97	42.00	947	

Reviewer: D7UM, 17-Nov-2024 09:53:19 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

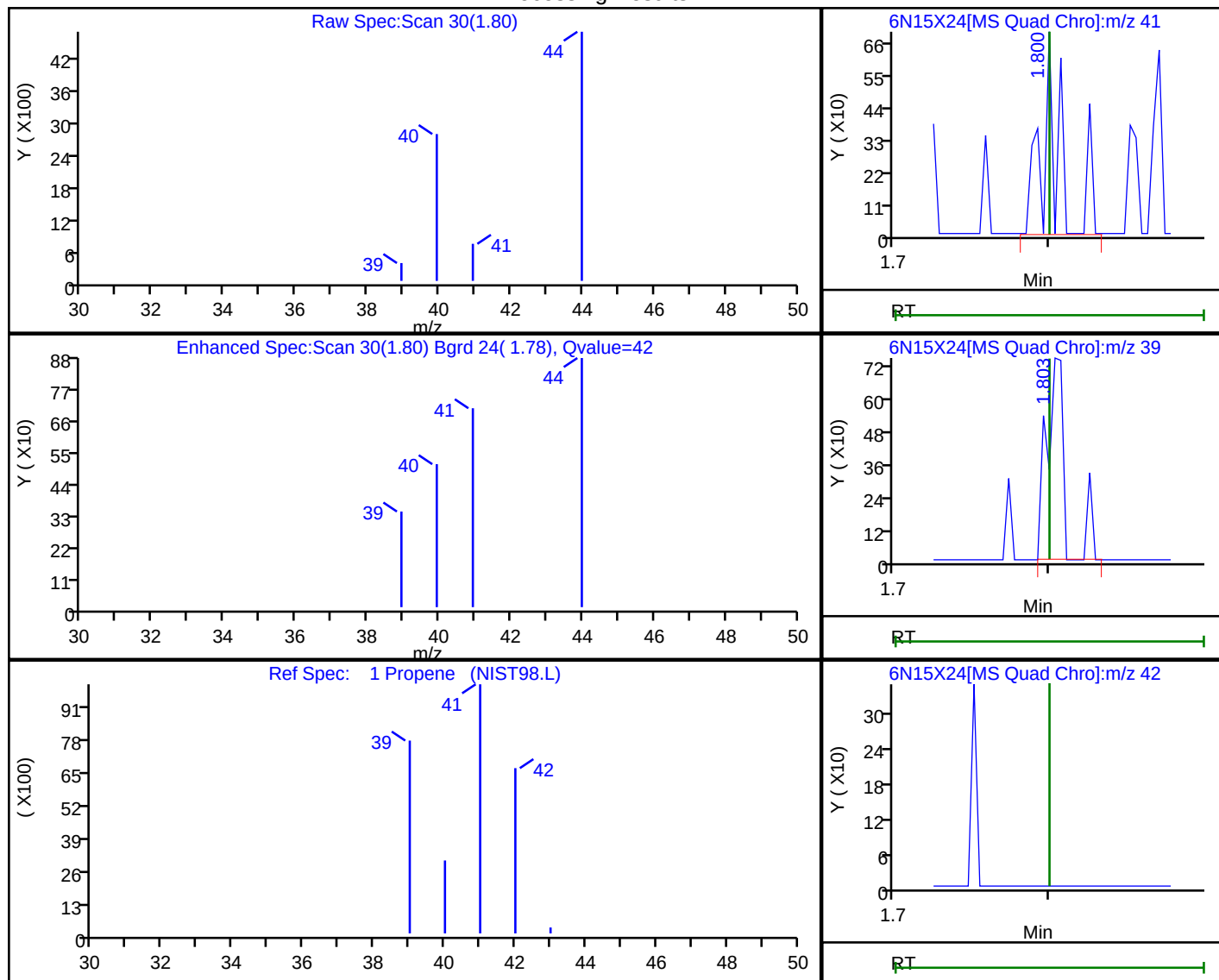
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D
Injection Date: 15-Nov-2024 19:20:01 Instrument ID: HP26379
Lims ID: 410-197119-A-9 Lab Sample ID: 410-197119-9
Client ID: 1649
Operator ID: sn105465 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.80	41.00	544	0.160971
1.80	39.00	603	
1.80	42.00	0	

Reviewer: D7UM, 17-Nov-2024 09:53:23 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

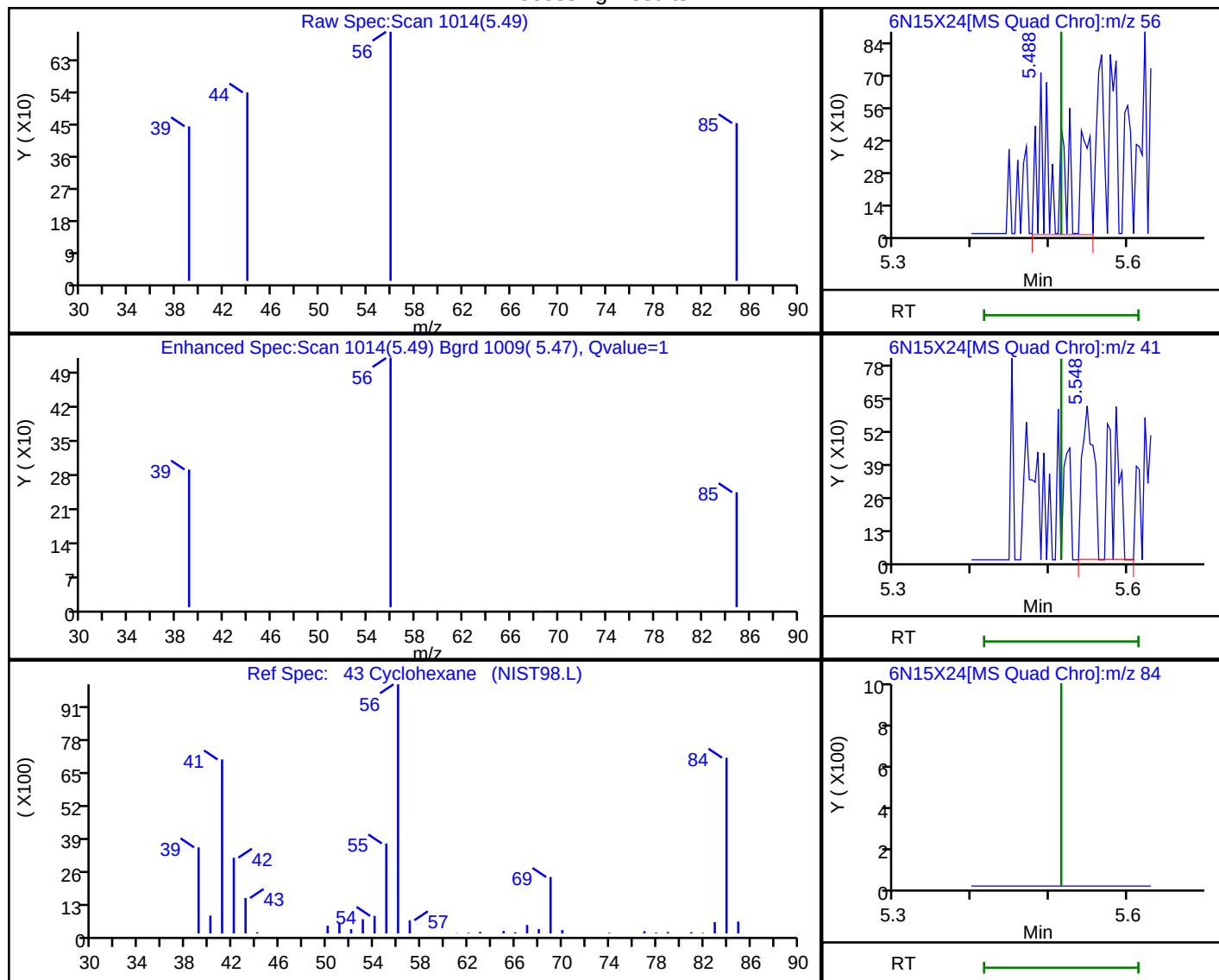
Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20241115-130751.b\6N15X24.D
Injection Date: 15-Nov-2024 19:20:01 Instrument ID: HP26379
Lims ID: 410-197119-A-9 Lab Sample ID: 410-197119-9
Client ID: 1649
Operator ID: sn105465 ALS Bottle#: 14 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP26379 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

43 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
5.49	56.00	1170	0.130258
5.55	41.00	1160	
5.51	84.00	0	

Reviewer: D7UM, 17-Nov-2024 09:52:56 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Appendix J: Addenda to Site Management Plan



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Region 1 Main Office

SUNY @ Stony Brook, 50 Circle Road, Stony Brook, NY 11790

P: (631) 444-0200

www.dec.ny.gov

SENT VIA EMAIL ONLY

January 10, 2018

Mr. David Marren, Esq.
FA Bartlett Tree Company
13768 Hamilton Road
Charlotte, NC 28278
Email: dmarren@bartlett.com

Re:

Addendum to Site Management Plan (SMP) effective
April 13, 2017, letter dated April 14, 2017.
Bartlett Tree Company Site, No. 130074
345 Union Avenue, Westbury, NY

Dear Mr. Marren:

The New York State Department of Environmental Conservation (NYSDEC) & NYS Department of Health (NYSDOH) have reviewed the Addendum to Site Management Plan Effective April 13, 2017, letter dated April 14, 2017 submitted by the Brown and Caldwell on your behalf for the site referenced above.

The proposed addendum to the SMP is approved by NYSDEC in concurrence with NYSDOH. A copy of the approved addendum should be attached to the SMP.

If you should have any questions, please feel free to contact me at (631) 444-0242 or jahan.reza@dec.ny.gov.

Sincerely,



Jahan Reza
Project Manager

cc: Eric Obrecht (NYSDEC)
Walter Parish, (NYSDEC)
Charlotte Bethoney (NYSDOH)
Anthony Perretta (NYSDOH)
Frank Williams (B&C)



Department of
Environmental
Conservation

August 14, 2017

Mr. Jahan Reza
New York State Department of Environmental Conservation
Region 1 – Division of Environmental Remediation
Building 40, SUNY
Stony Brook, New York 11790-2356



149161

Subject: Addendum to Site Management Plan Effective April 13, 2017
Bartlett Tree Company Site, No. 0130074
345 Union Avenue, Westbury, NY

Dear Mr. Reza:

On behalf of F. A. Bartlett Tree Expert Company (Bartlett), Brown and Caldwell Associates (BC) provides this letter to serve as an addendum to the document titled "Site Management Plan, Bartlett Tree Company Site, NYSDEC Site #0130074", dated April 20, 2015 and approved by the New York State Department of Environmental Conservation (NYSDEC) on April 30, 2015. The purpose of this addendum is to incorporate in the SMP the recommendations made in the Periodic Review Report (PRR) dated March 1, 2017, which the NYSDEC approved by letter to Bartlett dated April 13, 2017 (copy attached). The NYSDEC concurred with the recommendations to discontinue collection of groundwater samples from monitoring well MW-1D and to cease analysis of all groundwater samples for organophosphorus (OP) pesticides. Effective April 13, 2017, the SMP is hereby modified as follows:

SMP Section 3.3.1 - Groundwater Monitoring

Groundwater samples will no longer be collected from the deep upgradient monitoring well (MW-1D). MW-1D will be abandoned in accordance with Section 3.3.1.2 of the SMP and the NYSDEC guidance document, CP-43: Groundwater Monitoring Well Decommissioning Policy; November 3, 2009. Because MW-1D is an uncontaminated overburden monitoring well that penetrates a clayey silt layer observed locally to be a relatively impermeable aquitard, the casing pulling method will be attempted, followed by grouting in-place if unsuccessful. Groundwater samples collected from the remaining six monitoring wells (MW-1S, MW-2S, MW-2D, MW-3, MW-4, MW-5) as part of the twice-yearly groundwater monitoring events will be analyzed only for Target Compound List (TCL) Pesticides by USEPA SW846 Method 8081A. The remainder of the sampling protocols outlined in section 3.3.1 of the SMP remain unchanged.

Monitoring well decommissioning activities will be documented in the next PRR, to be submitted in February 2018.

Upon approval by the NYSDEC this addendum will be attached to and incorporated in the SMP.

Very truly yours,

Brown and Caldwell Associates

A handwritten signature in black ink that reads "Frank Williams". The signature is written in a cursive, flowing style.

Frank Williams
Supervising Geologist

attachment

cc: David Marren, Esq. – Bartlett
Thomas West, Esq. – The West Firm

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 1
SUNY @ Stony Brook, 50 Circle Road, Stony Brook, NY 11790
P: (631) 444-0240 | F: (631) 444-0248
www.dec.ny.gov

April 13, 2017

FA Bartlett Tree Expert Company
Mr. David Marren, Esq.
13768 Hamilton Rd.
Charlotte, NC 28278

**Re: Site Management (SM) Periodic Review Report (PRR) Response Letter
Bartlett Tree Company Site No.: 1-30-074
Westbury, Nassau County**

Dear Mr. Marren,

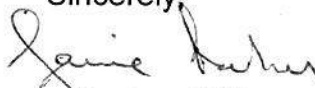
The New York State Department of Environmental Conservation (DEC) has reviewed your Periodic Review Report (PRR) and IC/EC Certification for the following period: December 1, 2015 to March 1, 2017.

The Department hereby accepts the PRR and associated certification. Based on the current and previous groundwater monitoring results, the Department concurs with the recommendation to discontinue sampling monitoring well MW-1D and to remove organophosphorous (OP) pesticides from the suite of analytes for the remaining monitoring wells. Monitoring well MW-1D should be abandoned in accordance with Section 3.3.1.2 of the DEC approved Site Management Plan (SMP). In order to memorialize these modifications, please submit a letter addendum to the SMP for DEC approval.

The frequency of periodic reviews for this site is annually and your next PRR is due on March 1, 2018. You will receive a reminder letter and updated certification forms 45 days prior to the due date. Regardless of receipt of the reminder notice, the next PRR including the signed certification form, is due on the date specified above.

If you have any questions, or need additional forms, please feel free to contact me at 631-444-0246 or e-mail: jamie.ascher@dec.ny.gov.

Sincerely,



Jamie Ascher, P.G.
Engineering Geologist 2



Department of
Environmental
Conservation

cc: R. Bartlett, Jr., Bartlett Realty Company, Inc.

ec: J. Harrington, P.E., DEC

W. Parish, P.E., DEC

A. Perretta, NYSDOH

F. Williams, Brown and Caldwell Associates

3 Marcus Blvd., Suite 106
Albany, New York 12205

T: 518.560.5610



January 16, 2020

Ms. Hayley Schatz
New York State Department of Environmental Conservation
Region 1 – Division of Environmental Remediation
50 Circle Road
Stony Brook, New York 11790-2356

154063

Subject: Addendum to Site Management Plan Effective December 16, 2019
Bartlett Tree Company Site, No. 0130074
345 Union Avenue, Westbury, NY

Dear Ms. Schatz:

On behalf of F. A. Bartlett Tree Expert Company (Bartlett), Brown and Caldwell Associates (BC) provides this letter to serve as an addendum to the document titled “Site Management Plan, Bartlett Tree Company Site, NYSDEC Site #0130074”, dated April 20, 2015 and approved by the New York State Department of Environmental Conservation (NYSDEC) on April 30, 2015. The purpose of this addendum is twofold:

- Incorporate in the SMP the recommendations made in the Periodic Review Report (PRR) dated February 15, 2019, which the NYSDEC approved by letter to Bartlett dated June 27, 2019 (copy attached). The NYSDEC concurred with the recommendations to discontinue collection of groundwater samples from monitoring well MW-2S and to reduce the frequency of groundwater monitoring to once every 10 months, beginning in October 2019.
- Implement the findings and communications with NYSDEC regarding off-Site upgradient monitoring well MW-1S. On October 21, 2019 BC arrived at the Site to conduct the October 2019 groundwater monitoring event. BC discovered that access to the public parking lot on which MW-1S is situated had been restricted due to construction associated with the Long Island Railroad and the Westbury North Parking Structure. As noted, it was not possible to sample MW-1S. On December 11, 2019, MW-1S was found to be underwater. Subsequent inspection of the monitoring well revealed it had been run over by construction equipment and inundated by standing water that drains into and through the well vault. On December 16, 2019, NYSDEC concurred with the recommendation to decommission MW-1S.

Effective December 16, 2019, the SMP is hereby modified as follows:

SMP Section 3.3.1 - Groundwater Monitoring

Groundwater samples will no longer be collected from monitoring wells MW-1S and MW-2S. MW-1S will be abandoned in accordance with Section 3.3.1.2 of the SMP and the NYSDEC guidance document, CP-43: Groundwater Monitoring Well Decommissioning Policy; November 3, 2009 (CP-43). MW-1S is an overburden monitoring well that does

not penetrate the locally observed clayey silt layer. The well seal appears to have been compromised as evidenced by surface water draining through the well vault; therefore, it will be decommissioned by casing perforation/grouting in-place. MW-2S was abandoned in accordance with Section 3.3.1.2 of the SMP and the NYSDEC guidance document, CP-43. MW-2S was an overburden monitoring well that did not penetrate the locally observed clayey silt layer, therefore it was decommissioned by grouting in-place.

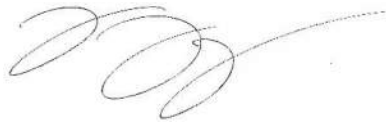
Groundwater samples will be collected from the remaining four monitoring wells (MW-2D, MW-3, MW-4, MW-5) every 10 months, beginning in October 2019. The samples will continue to be analyzed for Target Compound List (TCL) Pesticides by USEPA SW846 Method 8081A. The remainder of the sampling protocols outlined in section 3.3.1 of the SMP remain unchanged.

Monitoring well decommissioning activities will be documented in the next PRR, to be submitted in February 2020.

Upon approval by the NYSDEC this addendum will be attached to and incorporated in the SMP.

Very truly yours,

Brown and Caldwell Associates

A handwritten signature in black ink, appearing to read 'B. Taylor', with a long horizontal flourish extending to the right.

Brian F. Taylor, P.G.
Hydrogeologist

attachment

cc: David Marren, Esq. – Bartlett
Thomas West, Esq. – The West Firm
Frank Williams, P.G. – Brown and Caldwell

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 1

SUNY @ Stony Brook, 50 Circle Road, Stony Brook, NY 11790

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www.dec.ny.gov

SENT VIA EMAIL ONLY

June 27, 2019

Mr. David Marren, Esq.
VP of Safety & Regulatory Affairs
FA Bartlett Tree Expert Company
13768 Hamilton Road
Charlotte, NC 28278

Re: Bartlett Tree Company
Site No. 130074, Periodic Review
Report February 2019
Site Management/Periodic Review Report
Response Letter

Dear Mr. Marren,

The New York State Department of Environmental Conservation (DEC) and New York State Department of Health (DOH) have reviewed your Periodic Review Report (PRR) and Institutional Control/Engineering Control (IC/EC) Certification for the following period: January 30, 2018 to January 20, 2019 for the site referenced above.

The Department hereby accepts the PRR and associated certification contingent on the following:

- The continued annual sampling of indoor air, sub-slab vapor, and outdoor air as stated in the Site Management Plan, to be conducted during the 2019-2020 heating season.
- The continued sampling of all site monitoring wells sampled in the February 2019 PRR (MW-1S, MW-2D, MW-3, MW-4, MW-5). The frequency of this sampling will be reduced to once every 10 months, beginning in October 2019, to ensure representation of seasonal fluctuations in the water table over time.

In accordance with the annual frequency the next periodic review for this site is due on March 02, 2020. A reminder letter and updated certification form will be sent 45 days prior to the due date.

If you have any questions, or need additional forms, please feel free to contact me at 631-444-0206 or email: hayley.schatz@dec.ny.gov.

Sincerely,



Hayley Schatz
Project Manager

ec: W. Parish, NYSDEC Region 1
E. Obrecht, NYSDEC Central Office
C. Bethoney, NYSDOH
A. Perretta, NYSDOH
F. Williams, Brown and Caldwell



Department of
Environmental
Conservation

3 Marcus Blvd., Suite 106
Albany, New York 12205

T: 518.560.5610



August 10, 2020

Mr. David Raymond
New York State Department of Environmental Conservation
Region 1 – Division of Environmental Remediation
50 Circle Road
Stony Brook, New York 11790-2356

154063

Subject: Addendum to Site Management Plan Effective December 16, 2019
Bartlett Tree Company Site, No. 0130074
345 Union Avenue, Westbury, NY

Dear Mr. Raymond:

On behalf of F. A. Bartlett Tree Expert Company (Bartlett), Brown and Caldwell Associates (BC) provides this letter to serve as an addendum to the document titled “Site Management Plan, Bartlett Tree Company Site, NYSDEC Site #0130074”, dated April 20, 2015 and approved by the New York State Department of Environmental Conservation (NYSDEC) on April 30, 2015. The purpose of this addendum is to:

- Incorporate in the SMP the recommendations made in the Periodic Review Report (PRR) dated February 24, 2020, which the NYSDEC approved by letter to Bartlett dated April 15, 2020 (copy attached). The NYSDEC concurred with the recommendations to collect duplicate field-filtered groundwater samples, regardless of measured turbidity, and a comparison to filtered samples, in order to evaluate the effect of turbidity on the analytical results, beginning in August, 2020.

Effective August 10, 2020, the SMP is hereby modified as follows:

SMP Section 3.3.1.1 – Sampling Protocol

All monitoring well sampling activities will be recorded in a field book and a groundwater-sampling log presented in Appendix G. Other observations (e.g., well integrity, etc.) will be noted on the well sampling log. The well sampling log will serve as the inspection form for the groundwater monitoring well network.

Due to the very low aqueous solubility of most pesticides and their chemical affinity for solids suspended in groundwater, groundwater samples must be substantially free of turbidity if one is to accurately evaluate pesticide concentrations. The USEPA low flow sampling protocol is intended to reduce the suspension of solids within the monitoring well. Therefore, all groundwater samples will be collected according to the USEPA low flow sampling protocol outlined below.

For informational purposes, duplicate field-filtered samples will be collected to evaluate the effects of sample turbidity on analytical results. Both the unfiltered sample and the

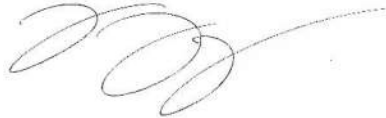
Mr. David Raymond
August 10, 2020
Page 2

filtered sample will be submitted for laboratory analysis, and both results will be reported to the NYSDEC.

Based on approval of the February 24, 2020 PRR this addendum will be attached to and incorporated in the SMP.

Very truly yours,

Brown and Caldwell Associates

A handwritten signature in black ink, appearing to read 'B. Taylor', with a long horizontal flourish extending to the right.

Brian F. Taylor, P.G.
Hydrogeologist

attachment

cc: David Marren, Esq. – Bartlett
Thomas West, Esq. – The West Firm
Frank Williams, P.G. – Brown and Caldwell

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

625 Broadway, 11th Floor, Albany, NY 12233-7020

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April 15, 2020

David Marren
V.P. of Safety & Regulatory Affairs
FA Bartlett Tree Expert Company
13768 Hamilton Rd.
Charlotte, NC 28278

**Re: Bartlett Tree Company- Westbury NY
DEC Site 130074 Periodic Review Report Response Letter**

Dear Mr. Marren:

The New York State Department of Environmental Conservation (DEC) and New York State Department of Health (DOH) have reviewed your Periodic Review Report (PRR) and Institutional Control/Engineering Control (IC/EC) Certification for the following period: January 30, 2019 to January 30, 2020 for the site referenced above.

The Department hereby accepts the PRR and associated certification contingent on the following:

- The continued annual sampling of indoor air, sub-slab vapor, and outdoor air as stated in the Site Management Plan, to be conducted during the 2020-2021 heating season.
- The continued sampling of all site monitoring wells sampled in the January 2020 PRR. As recommended by Brown & Caldwell, these shall include duplicate field-filtered samples, regardless of measured turbidity, and a comparison to filtered samples, in order to evaluate the effect of turbidity on the analytical results.

The frequency of Periodic Reviews for this site is 1 year(s), your next PRR is due on March 1, 2021. You will receive a reminder letter and updated certification form 75-days prior to the due date. Regardless of receipt or not, of the reminder notice, the next PRR including the signed certification form, is still due on the date specified above.

If you have any questions, or need additional forms, please contact me at 631-444-0331 or e-mail: dave.raymond@dec.ny.gov.

Sincerely,

David Raymond
Project Manager

ec:

Chris Engelhardt, NYSDEC Region 1
Richard Mustico, NYSDEC Central Office
C. Bethoney, NYSDOH Albany
Anthony Peretta, NYSDOH
Frank Williams, Brown & Caldwell

Appendix K: Qualifications of Data Validators



Jeff Davin

Data Management/EQulS/Data Validation

Jeffrey (Jeff) Davin has experience in environmental science, and has expertise in data validation, data quality, data management, laboratory analytical methods, and data analysis.

Jeff is experienced in the validation and management of environmental chemistry data. He has performed as the group leader of a data management team and as senior scientist for investigations of multiple hazardous waste sites, including impacted aquatic systems, industrial facilities, landfills, and wastewater effluent discharges. He serves as the primary data validator and/or the lead data manager for several Tier I clients. He is responsible for data validation pursuant to U.S. Environmental Protection Agency (USEPA) Functional Guidelines and provides guidance on data usability. Jeff performs data validation efforts in accordance with USEPA regional and individual state guidelines. He is proficient in USEPA-CLP, USEPA-Regional, USEPA SW- 846, 40 CFR Part 136, New Jersey Department of Environmental Protection (NJDEP), and New York State Department of Environmental Conservation (NYSDEC) ASP procedures. Jeff is also proficient with managing data and providing submittals in a variety of database platforms, including EQulS, EIM and MS Access. Jeff has held the positions of analytical chemist and project manager at an environmental testing laboratory in the Northeast, where his responsibilities included client relations, laboratory coordinator/technical advisor for all phases of project work, providing analytical and technical support to clients. His analytical chemistry specialties include gas chromatography mass spectrometry (GC/MS) analysis, data generation, and mass spectral interpretation.

Data Validation, Confidential Client, Lansing, MI

Senior Data Validator/Database Manager. Long term Groundwater Monitoring Program

Jeff served as the lead validator and lead database manager for a large automotive manufacturing site. He was responsible for validating the data from numerous samples collected each year, reviewing quality assurance project plan (QAPPs), advising the project team on data quality/technical issues, reviewing and importing laboratory electronic data deliverables (EDDs) into the database, writing data validation reports, updating the database, and generating analytical summaries and custom exports from the database.

Data Validation, Confidential Client, Global, NA

Senior Database Manager. Remedial Investigation/GW Monitoring/Superfund Sites

Jeff served as the lead database manager for a large industrial client portfolio with more than 70 project databases. He was responsible for coordinating the receipt and upload of EDDs and field data deliverables, completing report summary tables with exceedances of regulatory criteria, including statistics on historical data sets, generating data boxes for GIS figures, and coordinating data validation. Jeffrey managed data for numerous samples collected annually with multiple different matrices and diverse

ASSIGNMENT

Data Management/Data Validation

EDUCATION

M.S., Information Management, Syracuse University, Syracuse, NY, 2012

B.A., Biology, SUNY Potsdam, Potsdam, NY, 1992

YEARS OF EXPERIENCE

30

JOINED FIRM

2023

SUBJECT MATTER SPECIALTIES

SIR/SW (Environmental Specialties)

RELEVANT EXPERIENCE

- Lead Scientist/Data Validator
- Data Management Group Lead
- Analytical Chemist

analytical methodologies. Additionally, he developed custom automated exports from the database, and coordinated historical data migrations.

Data Validation, Confidential Client, State of Montana, MT

Senior Data Validator. Long Term Monitoring/Immediate Response/Remedial Investigations

Jeff served as the lead validator for a large railroad client portfolio that contained more than 20 sites. He was responsible for facilitating the validation of data from numerous samples collected each year, coordinating validation and database efforts for immediate response to spills and derailments, reviewing and updating QAPPs, advising project teams on data quality/technical issues, writing data validation reports in accordance with the USEPA National Functional Guidelines and Montana DEQ specific guidance, and performing senior review of reports.