2021 Periodic Review Report
Bartlett Tree Company Site
NYSDEC Site #0130074

Prepared for

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

February 23, 2022

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Project Number: 156884

Brown and Caldwell Associates
3 Marcus Boulevard, Suite 106
Albany, New York 12205

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List of Abbreviations

BCA	Brown and Caldwell Associates
bgs	below ground surface
COC	Certificate of Completion
DO	dissolved oxygen
DUSR	Data Usability Summary Report
EE	environmental easement
ELAP	Environmental Laboratory Approval Program
EPA	United States Environmental Protection Agency
IC	Institutional Control
IRM	Interim Remedial Measure
LCS	laboratory control spike
LCSD	laboratory control spike duplicate
m	meter
MDL	method detection limits
mg	milligram
ml	milliliter
MS	matrix spike
MSD	matrix spike duplicate
NCDH	Nassau County Department of Health
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
OP	organophosphorus
ORP	Oxidation Reduction Potential
OSWER	Office of Solid Waste and Emergency Response
PCE	Perchloroethylene or Tetrachloroethylene
PID	photoionization detector
PPE	Personal Protective Equipment
ppb	parts per billion
ppm	parts per million
PRR	Periodic Review Report
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
QEP	Qualified Environmental Professional
RI	Remedial Investigation

ROD	Record of Decision
SCO	Soil Cleanup Objective (6 NYCRR Part 375-6.8)
SMP	Site Management Plan
SVI	soil vapor intrusion
SVOC	semi-volatile organic compound
TAL	Target Analyte List
TCL	Target Compound List
TCE	Trichloroethylene
THQ	target hazard quotient
TR	targeted cancer risk
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

Section 1

Introduction

This 2021 Periodic Review Report (PRR) is required as an element of the post-remediation monitoring program at the Bartlett Tree Company Site, Site #0130074 (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 Bartlett Tree Company 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 Bartlett Tree Company 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 and Registry Reclassification from Class 2 to Class 4 (COC). Notice of Certificate of Completion was filed with the Nassau County Clerk on December 28, 2015. A copy of the COC and recorded Notice of Certificate of Completion 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 (NCHD).

- 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 Periodic Review Report Response Letter. Copies of the addenda are provided in Appendix I. 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 United States Environmental Protection Agency (USEPA) SW846 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 2021. 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. The groundwater monitoring program consisted of one round of sampling (June 2021). Soil Vapor Intrusion (SVI) monitoring was conducted during the 2021/2022 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 I), 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.

1.5 Potential Property Transfer

Bartlett is in discussions with Alpine Real Estate Group (Alpine), a potential purchaser, regarding the purchase of the Site. The purchase would include a change of use from commercial to restricted residential, as the planned use of the Site would be apartments with underground parking and storage. On August 24, 2021 BCA held a conference call with representatives of NYSDEC to discuss the conceptual approach to restricted residential development and change of use requirements. A second call was held on September 28, 2021 with representatives of Alpine, Bartlett and NYSDEC to further discuss the proposed development.

As required in Section 2.3.3 of the SMP, on September 21, 2021, Alpine's environmental consultant, Roux Environmental Engineering and Geology, D.P.C. (Roux), notified NYSDEC of their intent to conduct a limited Phase II investigation of the Bartlett property on September 30, 2021. Following notification Alpine, Roux, Bartlett, BCA and NYSDEC held a conference call to discuss the sampling approach (September 28, 2021 call discussed above). On September 30, 2021, Roux mobilized to the Site to conduct soil and soil vapor sampling. During the intrusive activities, BCA provided oversight and ensured that the Site cover was restored in the areas of the completed soil borings.

Section 2

Media Monitoring

This section describes the post-remedial monitoring of groundwater quality and soil vapor intrusion conducted during 2021.

2.1 Groundwater Quality

One round of groundwater sampling was conducted, on June 14, 2021.

2.1.1 Groundwater Levels and Flow Direction

A synoptic round of water level measurements was conducted on June 14, 2021 from 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 USEPA low flow sampling methods in accordance with the SMP. Turbidity readings were collected immediately prior to sample collection using a calibrated Lamotte 2020 turbidity meter to evaluate turbidity levels relative to the guideline of 50 NTUs (Nephelometric Turbidity Units). 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 June 2021 round of sampling, all wells exhibited turbidity below 50 NTUs (1.07 to 20.9). A comparison of unfiltered and filtered turbidity values for each monitoring well is provided below.

Monitoring Well	Unfiltered Turbidity (NTUs)	Filtered Turbidity (NTUs)
MW-2D	20.9	6.13
MW-3	1.04	0.47
MW-4	2.43	0.49
MW-5	1.55	0.51

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 USEPA SW-846 Method 8081B.

The analytical laboratory is certified under the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) for this analytical method.

2.1.3 Analytical Data Validation

The groundwater analytical data packages were validated by Jaclyn Lauer of BCA. 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. As noted in the DUSR, some data were qualified as follows:

- The MS/MSD percent recovery for sample MW-3-F-20210614 was below control limits for heptachlor. The sample non-detection is qualified as estimated with limited detection, UJ[1], reason code 4L[2].
- Sample MW-4-UF-20210614 percent difference was greater than 50% but less than the reporting limit for endosulfan I, 4,4'-DDD, beta BHC, alpha BHC, gamma chlordane, and heptachlor epoxide. Results are qualified as non-detect, U[3], and the result is reported as the MDL, reason code P[4].
- Sample MW-4-UF-20210614 percent difference was greater than 25% but less than 70% for 4,4'-DDT and alpha chlordane. Results are qualified as estimated, J[5], reason code P.
- Sample MW-4-F-20210614 percent difference was greater than 50% but less than the reporting limit for alpha BHC. Results are qualified as non-detect, U, and the result is reported as the MDL, reason code P.
- Sample MW-2D-F-20210614 percent difference was greater than 50% but less than the reporting limit for alpha BHC, beta BHC, and aldrin. Results are qualified as non-detect, U, and the result is reported as the MDL, reason code P.
- Samples DUP-F-20210614 and DUP-UF-20210614 percent differences were greater than 50% but less than the reporting limit for alpha BHC and 4,4'-DDT. Results are qualified as non-detect, U, and the result is reported as the MDL, reason code P.

2.1.4 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 (New York Codes, Rules and Regulations) 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:

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[1] Laboratory qualifier, UJ, indicates the analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

[2] Data validation reason code, 4L, indicates that the MS/MSD recovery is biased low.

[3] Laboratory qualifier, U, indicates the analyte was not detected above the sample reporting limit.

[4] Data validation reason code, P, indicates that the Primary Column/Secondary Column precision outside limits.

[5] Laboratory qualifier, J, indicates an estimated value greater than or equal to the Method Detection Limit (MDL) and less than the Reporting Limit (RL).

Shallow Monitoring Wells. Dieldrin was detected at concentrations greater than its Part 703 standard in the unfiltered (0.78 µg/L) and filtered (0.014 J µg/L) samples collected from MW-4, and in the unfiltered (0.0078 J µg/L) sample from MW-5. Both wells are downgradient from former Drywell 1. Dieldrin was not detected in the filtered sample collected from well MW-5. The standard for Dieldrin is relatively low: 0.004 µg/L or 4 parts per trillion (ppt). A single detection of Endrin was reported in the unfiltered sample from downgradient well MW-4, at a concentration of 0.024 J µg/L. Endrin was not detected in the filtered sample. The Part 703 standard for Endrin is "not detectable by the analytical tests specified" (ND).

Deep Monitoring Well. No Site constituents were detected at values greater than their Part 703 standard in the samples from the monitoring well, MW-2D. The unfiltered sample from MW-2D was diluted by the analytical laboratory, resulting in increased MDLs. A number of the MDLs are above the Part 703 standards for Site constituents. The elevated MDLs for DDD, DDE and DDT were substantially below previously detected unfiltered concentrations for these compounds. The filtered sample was not diluted and MDLs are reported below Part 703 standards.

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.

Dieldrin (Figure 4b) was detected in well MW-4 at a concentration of 0.78 µg/L (unfiltered) during the June 2021 monitoring event. This is higher than previous post-remedial concentrations but is in the range of pre-remediation values, which ranged from 0.74 µg/L to 3.3 µg/L. The October 2019 and August 2020 values (0.55 and 0.56 µg/L) are similar to the most recent. The estimated filtered concentration of Dieldrin in well MW-4 (0.014 J µg/L) was 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. Dieldrin was not detected in any other filtered sample.

Endrin (Figure 4c) was detected in the unfiltered sample from well MW-4 at an estimated concentration of 0.024 J µg/L during the June 2021 monitoring event, a concentration comparable to the October 2019 and August 2020 result. Endrin was not detected in the filtered sample from well MW-4 indicating the compound is bound to particulate matter in the sample.

4-4'-DDT (Figure 4d) was not detected in any well above the Part 703 standard during the June 2021 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'-DDD and 4,4'-DDE show that unfiltered concentrations for all wells are below Part 703 groundwater standards or within the range of historical post-remediation values. Excepting the slight increase in concentration for Dieldrin in MW-4, 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 7-8, 2021.

2.2.1 Inventory of Potential Indoor VOC Sources

On December 7, 2021 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 field notes from the pre-sampling inspection are contained in Appendix E. During the inspection, containers were screened with a photo-ionization detector (PID) to determine if VOC vapors were leaking from the container.

Table 3 lists materials and conditions that were observed on the ground floor of the office building. The table provides PID readings and 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 at the locations shown on Figure 5. A temporary sub-slab monitoring point was installed at the location of 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 approximately 1-2 inches 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.

Sample collection was performed on December 8, 2021. 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) and ambient (outdoor) air (AA-1) samples were also collected. The sub-slab soil vapor and ambient air canisters were allowed to fill for approximately 8 hours, while the indoor air canister was allowed to fill for approximately 5.5 hours, due to a faster filling rate observed in the field. Details of the sample collection are provided on the Vapor Sample Collection Field Forms

contained in Appendix E. The samples were submitted to Eurofins Lancaster Laboratories of Lancaster, Pennsylvania for analysis of VOCs by USEPA Method TO-15.

2.2.3 Analytical Data Validation

A DUSR was prepared for the soil vapor data package (Appendix C). The data validator determined that the data were acceptable for the intended purposes; no data were qualified or rejected.

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 United States Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response (OSWER) screening levels[6] are also used for comparison (EPA, 2020). New York State 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.

No compounds were detected above the OSWER shallow soil gas screening levels. Historically, the chlorinated VOC Perchloroethylene (PCE), has been detected above the OSWER shallow soil gas screening level of 180 µg/m^3. During the December 2021 monitoring event, PCE was detected in the sub-slab vapor sample at a concentration 27 µg/m^3. PCE was not detected in the indoor air sample, indicating the floor slab is an effective barrier to PCE vapor intrusion. NYSDOH's updated Soil Vapor/Indoor Air Matrix B (May 2017) recommends no further action for sub-slab PCE vapor concentrations below 100 µg/m^3 and when the indoor air concentration is less than 3 µg/m^3. Matrix B recommends monitoring if the indoor air concentration is 3 µg/m^3 to <10 µg/m^3. PCE has been previously detected in groundwater upgradient of and beneath the Site.

The only other compounds detected above applicable screening levels were benzene (8.6 µg/m^3), 1,2-dichloroethane (0.53 J µg/m^3), and ethylbenzene (9.1 J µg/m^3) in indoor air. Benzene and ethylbenzene are volatile constituents of gasoline. The lower sub-slab vapor concentration of benzene (1.6 1J µg/m^3) and ethylbenzene (ND) indicates that the presence of this compound in the indoor air is likely due to the gasoline-powered equipment stored on the ground floor of the building, not intrusion of soil vapor. 1,2-Dichlorothane, a chlorinated hydrocarbon used as a chemical intermediary and previously used as a degreaser and paint remover, was also not detected in the soil vapor. 1,2-Dichloroethane was not detected in soil, groundwater or soil vapor during the RI.

[6] 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.

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 7, 2021. 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, Whitney Lewis. The findings are described below. A photographic log is provided in Appendix F.

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, which is now staged in the northeast corner of the yard.

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 6 for locations):

- Boring SB-7. DDT was detected at this location at 2.9 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. Bartlett's on-Site Facility Manager, Whitney 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 #15 of the Photographic Log (Appendix F).
- 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 #16 of the Photographic Log (Appendix F).
- 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 #17 of the Photographic Log (Appendix F).

Records of the Site inspections conducted by Bartlett's facility manager are provided in Appendix G. The photographs attached to the facility manager's reports dated March 1, 2021 and December 1, 2021 show the protective covers for monitoring wells, the above-mentioned cleanout structure for the sanitary sewer.

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.

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 two downgradient shallow monitoring wells (MW-4 and MW-5) at concentrations above the relatively low standard of 0.004 ug/L (4 ppt). A single detection of Endrin was reported, in the unfiltered sample collected from downgradient well MW-4, at a concentration of 0.024 J µg/L The Part 703 standard for Endrin is ND.

The August 2020 filtered and unfiltered groundwater results for 4,4'-DDT in deep monitoring well MW-2D were anomalous, probably reflecting the entry of surface water into the well. 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 impacts do not extend below the silty clay layer (sporadic impacts in MW-2D appear to be related to occasional entry of stormwater runoff into the well).

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 source of the 1,2-Dichloroethane detected in the indoor air sample is not known. The compound was not previously detected in soil or groundwater.

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

The Site continues to be utilized solely for commercial purposes and no usage of on-Site groundwater has occurred.

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 April 2021.

Section 4

Certification of Institutional Controls

In accordance with the SMP, at the conclusion of the 2021 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, 3 Marcus Boulevard, Albany, New York 12205, 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

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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

NYSDOH, Soil Vapor/Indoor Air Matrix B, May 2017
https://www.health.ny.gov/environmental/indoors/vapor_intrusion/docs/svi_decision_matrices_abc.pdf

Tables

TABLE 1
WATER LEVEL MEASUREMENTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #0130074

			4/14/2015		4/11/2016		9/26/2016		5/16/2017		10/16/2017		5/30/2018		9/24/2018		10/21/2019		8/17/2020		6/14/2021	
Location ID	Top of Casing Elevation (ft., NGVD)	Screened Interval (ft., BGS)	Depth to Water (ft., BTOC)	Water Elevation (ft., NGVD)	Depth to Water (ft., BTOC)	Water Elevation (ft., NGVD)	Depth to Water (ft., BTOC)	Water Elevation (ft., NGVD)	Depth to Water (ft., BTOC)	Water Elevation (ft., NGVD)	Depth to Water (ft., BTOC)	Water Elevation (ft., NGVD)	Depth to Water (ft., BTOC)	Water Elevation (ft., NGVD)	Depth to Water (ft., BTOC)	Water Elevation (ft., NGVD)	Depth to Water (ft., BTOC)	Water Elevation (ft., NGVD)	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	32.78	71.96	35.03	69.71	36.88	67.86	36.2	68.54	37.58	67.16	35.43	69.31	36.19	68.55	- - (1)	- - (1)	NA	NA	NA	NA
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	36.18	67.78	33.11	70.85	NA	NA	NA	NA
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	36.1	68.14	33.22	71.02	32.88	71.36	32.75	71.49
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	36.5	67.79	33.40	70.89	33.03	71.26	32.94	71.35
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	36.33	67.73	33.28	70.78	32.92	71.14	32.84	71.22
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	NA	NA	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	38.5	65.40	34.06	69.84	34.23	69.67	34.26	69.64

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 NO. 0130074

Constituent	Part 703 Standard [1]	Units	MW-1S Unfiltered 4/14/2015	MW-1S/DUP-20160411 Unfiltered 4/11/2016	MW-1S/DUP-20160411 Unfiltered 4/11/2016	MW-1S Unfiltered 9/26/2016	MW-1S Unfiltered 5/17/2017	MW-1S Unfiltered 10/16/2017	MW-1S/DUP-20180531 Unfiltered 5/31/2018	MW-1S/DUP-20180531 Unfiltered 5/31/2018	MW-1S Unfiltered 9/24/2018
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	0.004 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	0.004 U
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	0.0042 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	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	0.0053 J
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	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	0.0024 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	0.0027 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	0.0027 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	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	0.0024 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	0.013 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**	**0.025**
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	0.0047 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	0.0065 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	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	0.004 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	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	0.0018 U
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	0.024 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	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 NO. 0130074

Constituent	Part 703 Standard [1]	Units	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	MW-3 Unfiltered 4/15/2015	MW-3 Unfiltered 4/11/2016	MW-3 Unfiltered 9/27/2016	MW-3/DUP20170516 Unfiltered 5/16/2017	MW-3/DUP20170516 Unfiltered 5/16/2017	MW-3/DUP-20171016 Unfiltered 10/16/2017	MW-3/DUP-20171016 Unfiltered 10/16/2017	MW-3 Unfiltered 5/31/2018	MW-3/DUP-20180924 Unfiltered 9/24/2018	MW-3/DUP-20180924 Unfiltered 9/24/2018
Organochlorine Pesticides - Method 8081B																	
4,4'-DDD	0.3	µg/L	0.053	0.0083 J	0.0042 U	0.005 UV	0.004 U	0.0041 UJ	0.0043 U	0.0041 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0041 U
4,4'-DDE	0.2	µg/L	0.0084 J	0.0041 U	0.0042 U	0.004 U	0.004 U	0.011 J	0.0043 U	0.0041 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0041 U
4,4'-DDT	0.2	µg/L	0.051	0.0086 J	0.0054 J	0.0042 UJ	0.0073 J	0.028 J	0.0045 U	0.0042 U	0.0046 UV	0.0045 UV	0.0064 J	0.0042 U	0.0042 U	0.0042 U	0.0043 U
Aldrin	0	µg/L	0.0016 U	0.0016 U	0.0017 U	0.0016 U	0.0016 U	0.0016 UJ	0.0017 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0017 U
alpha Endosulfan	NE	µg/L	0.0035 U	0.0035 U	0.0036 U	0.0035 U	0.0036 J	0.0035 UJ	0.0037 U	0.0083 UJ	0.0035 U	0.0035 U	0.0046 J	0.0054 J	0.0045 J	0.022	0.017
beta Endosulfan	NE	µg/L	0.012 U	0.012 U	0.013 U	0.012 U	0.012 U	0.012 UJ	0.013 U	0.012 U	0.012 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 U	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0024 UJ	0.0026 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0025 U
BHC, beta	0.04	µg/L	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.0027 U	0.0028 UJ	0.003 U	0.0028 U	0.0028 U	0.0027 U	0.0031 J	0.0027 U	0.0027 U	0.0027 U	0.0028 U
BHC, delta	0.04	µg/L	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.0027 U	0.0028 UJ	0.003 U	0.0028 U	0.0028 U	0.0027 U	0.0027 U	0.0027 U	0.0027 U	0.0027 U	0.0028 U
BHC, gamma (Lindane)	0.05	µg/L	0.005 J	0.0045 J	0.0017 U	0.0016 U	0.0016 U	0.0016 UJ	0.0017 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0017 U
Chlordane, alpha	0.05	µg/L	**0.07**	**0.051**	0.03	0.021 J	0.01	0.049	0.03	0.021	0.017 J	0.017 J	0.015	0.018	0.012 U	0.019 P	0.015 P
Chlordane, beta	0.05	µg/L	0.0057 U	0.039	0.029	0.015 J	0.017	0.036 J	0.021	0.013 J	0.014 J	0.012 J	0.0091 J	0.013 J	0.0071 J	0.0056 U	0.0058 U
Dieldrin	0.004	µg/L	**0.16**	**0.043**	**0.02**	**0.016 J**	**0.03**	**0.11**	**0.018**	**0.028**	**0.024**	**0.024**	**0.026**	**0.032**	**0.0078 J**	**0.0081 J**	**0.0065 J**
Endosulfan sulfate	NE	µg/L	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0047 U	0.0047 UJ	0.005 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0046 U	0.0046 U	0.0046 U	0.0048 U
Endrin	0	µg/L	0.0066 U	0.0066 U	0.0068 U	0.0066 U	0.0065 U	**0.012 J**	0.007 U	0.0066 U	0.0066 UJ	0.0065 UJ	0.0065 U	0.0065 U	0.0065 U	0.0065 U	0.0067 U
Endrin aldehyde	5	µg/L	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	0.016 UJ	0.017 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.017 U
Endrin ketone	5	µg/L	0.004 U	0.0041 U	0.0042 U	0.004 U	0.004 U	0.0041 UJ	0.0043 U	0.0041 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.0041 U
Heptachlor	0.04	µg/L	0.0016 U	0.0016 U	0.0017 U	0.0016 U	0.0016 U	0.0016 UJ	0.0017 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0017 U
Heptachlor epoxide	0.03	µg/L	0.0019 U	0.0045 J	0.0019 U	0.0033 JP	0.0032 J	0.0019 UJ	0.002 U	0.0089	0.0044 J	0.0044 JP	0.0047 J	0.0069 J	0.0083	0.011	0.009
Methoxychlor	35	µg/L	0.024 U	0.025 U	0.025 U	0.024 U	0.024 U	0.024 UJ	0.026 U	0.024 U	0.024 U	0.024 U	0.024 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	0.24 U	0.24 U	0.24 UJ	0.26 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.25 U

Notes:
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TABLE 2
PESTICIDES IN GROUNDWATER
ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE NO. 0130074

Constituent	Part 703 Standard [1]	Units	MW-3 Unfiltered 10/21/2019	MW-3 Unfiltered 8/17/2020	MW-3 Filtered 8/17/2020	MW-3 Unfiltered 6/14/2021	MW-3 Filtered 6/14/2021
Organochlorine Pesticides - Method 8081B							
4,4'-DDD	0.3	µg/L	0.005 U	0.0051 U	0.0054 U	0.0051 U	0.005 U
4,4'-DDE	0.2	µg/L	0.005 U	0.0051 U	0.0054 U	0.0051 U	0.005 U
4,4'-DDT	0.2	µg/L	0.0052 U	0.0053 U	0.0057 U	0.0053 U	0.0052 U
Aldrin	0	µg/L	0.002 U	0.002 U	0.0022 U	0.002 U	0.002 U
alpha Endosulfan	NE	µg/L	0.0078 J	0.0044 U	0.0047 U	0.0044 U	0.0043 U
beta Endosulfan	NE	µg/L	0.015 U	0.015 U	0.016 U	0.015 U	0.015 U
BHC, alpha	0.01	µg/L	0.003 U	0.003 U	0.0033 U	0.0031 U	0.003 U
BHC, beta	0.04	µg/L	0.0034 U	0.0034 U	0.0037 U	0.0035 U	0.0034 U
BHC, delta	0.04	µg/L	0.0034 U	0.0034 U	0.0037 U	0.0035 U	0.0034 U
BHC, gamma (Lindane)	0.05	µg/L	0.002 U	0.002 U	0.0022 U	0.002 U	0.002 U
Chlordane, alpha	0.05	µg/L	0.016	0.0084 J	0.0044 J	0.0096 J	0.003 U
Chlordane, beta	0.05	µg/L	0.007 U	0.0071 U	0.0076 U	0.0071 U	0.007 U
Dieldrin	0.004	µg/L	0.0053 U	0.0054 U	0.0058 U	0.0054 U	0.0053 U
Endosulfan sulfate	NE	µg/L	0.0058 U	0.0059 U	0.0063 U	0.0059 U	0.0058 U
Endrin	0	µg/L	0.0081 U	0.0082 U	0.0088 U	0.0082 U	0.0081 U
Endrin aldehyde	5	µg/L	0.02 U	0.02 U	0.022 U	0.02 U	0.02 U
Endrin ketone	5	µg/L	0.005 U	0.0051 U	0.0054 U	0.0051 U	0.005 U
Heptachlor	0.04	µg/L	0.002 U	0.002 U	0.0022 U	0.002 U	0.002 UJ
Heptachlor epoxide	0.03	µg/L	0.0034 J	0.0023 U	0.0025 U	0.0023 U	0.0023 U
Methoxychlor	35	µg/L	0.03 U	0.03 U	0.033 U	0.031 U	0.03 U
Toxaphene	0.06	µg/L	0.3 U	0.3 U	0.33 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.
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 NO. 0130074

Constituent	Part 703 Standard [1]	Units	MW-4/DUP-041415 Unfiltered 4/14/2015	MW-4/DUP-041415 Unfiltered 4/14/2015	MW-4 Filtered 4/14/2015	MW-4 Unfiltered 4/12/2016	MW-4 Unfiltered 9/27/2016	MW-4 Unfiltered 5/16/2017	MW-4 Unfiltered 10/16/2017	MW-4 Filtered 10/16/2017	MW-4 Unfiltered 5/31/2018	MW-4 Unfiltered 9/25/2018	MW-4 Unfiltered 10/21/2019	MW-4/DUP-202008017 Unfiltered 8/17/2020	MW-4/DUP-202008017 Unfiltered 8/17/2020
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	0.008 U	0.040 U	0.005 UJ	0.011 J	0.012 J
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	0.0041 U	0.04 U	0.0066 J	0.005 U	0.005 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	0.037	0.042 U	0.081	0.068 J	0.067 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	0.0017 U	0.016 U	0.002 U	**0.01 J**	**0.0088 J**
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	0.0036 U	0.034 U	0.049	0.0064 J	0.0067 J
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	0.012 U	0.12 U	0.015 U	0.015 U	0.015 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	0.0025 U	0.024 U	0.003 U	**0.28**	**0.27**
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	0.0028 U	0.027 U	0.0034 U	0.0068 J	0.0062 J
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	0.0028 U	0.027 U	0.0034 U	0.0034 U	0.0034 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	0.0017 U	0.016 U	0.002 U	0.014 J	0.014 J
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	0.021	0.024 U	0.028	0.019 J	0.02
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	0.016 J	0.056 U	0.019 J	0.015 J	0.013 J
Dieldrin	0.004	µg/L	**0.14**	**0.14**	0.0049 U	**0.32**	**0.067**	**0.069**	**0.072**	0.0042 U	**0.26**	**0.017**	**0.55**	**0.56**	**0.53**
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	0.0048 U	0.046 U	0.0058 U	0.33	0.3
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	**0.0079 J**	0.065 U	**0.024**	**0.016 J**	**0.018 J**
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	0.017 U	0.16 U	0.02 U	0.02 U	0.02 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	0.0041 U	0.04 U	0.0089 J	0.02 J	0.019 J
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	0.0017 U	0.016 U	0.002 U	0.002 U	0.002 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	0.0055 J	0.018 U	0.0082 J	0.0091 J	0.01 J
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	0.025 U	0.24 U	0.03 U	0.03 U	0.03 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	0.25 U	2.4 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.
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 NO. 0130074

Constituent	Part 703 Standard [1]	Units	MW-4/DUP-202008017 Filtered 8/17/2020	MW-4/DUP-202008017 Filtered 8/17/2020	MW-4/DUP-20210614 Unfiltered 6/14/2021	MW-4/DUP-20210614 Unfiltered 6/14/2021	MW-4/DUP-20210614 Filtered 6/14/2021	MW-4/DUP-20210614 Filtered 6/14/2021
Organochlorine Pesticides - Method 8081B								
4,4'-DDD	0.3	µg/L	0.005 U	0.005 U	0.0093 U	0.025 U	0.005 U	0.005 U
4,4'-DDE	0.2	µg/L	0.005 U	0.005 U	0.005 U	0.025 U	0.005 U	0.005 U
4,4'-DDT	0.2	µg/L	0.0052 U	0.0052 U	0.041 J	0.047 U	0.0052 U	0.0061 U
Aldrin	0	µg/L	0.002 U	0.002 U	0.002 U	0.01 U	0.002 U	0.002 U
alpha Endosulfan	NE	µg/L	0.0043 U	0.0043 U	0.0085 U	0.021 U	0.0043 U	0.0043 U
beta Endosulfan	NE	µg/L	0.015 U	0.015 U	0.015 U	0.075 U	0.015 U	0.015 U
BHC, alpha	0.01	µg/L	**0.2 J**	**0.14 J**	0.026 U	0.029 U	0.013 U	0.014 U
BHC, beta	0.04	µg/L	0.0034 U	0.0034 U	0.0039 U	0.017 U	0.0034 U	0.0064 J
BHC, delta	0.04	µg/L	0.0034 U	0.0034 U	0.0034 U	0.017 U	0.0034 U	0.0034 U
BHC, gamma (Lindane)	0.05	µg/L	0.0083 J	0.0076 J	0.011 J	0.014 J	0.0059 J	0.0097 J
Chlordane, alpha	0.05	µg/L	0.003 U	0.003 U	0.025 J	0.031 J	0.003 U	0.003 U
Chlordane, beta	0.05	µg/L	0.007 U	0.007 U	0.014 U	0.035 U	0.007 U	0.007 U
Dieldrin	0.004	µg/L	**0.01 J**	**0.011 J**	**0.73**	**0.78**	**0.012 J**	**0.014 J**
Endosulfan sulfate	NE	µg/L	0.0063 J	0.0068 J	0.24	0.26	0.0058 U	0.0058 U
Endrin	0	µg/L	0.0081 U	0.0081 U	**0.024 J**	0.04 U	0.0081 U	0.0081 U
Endrin aldehyde	5	µg/L	0.02 U	0.02 U	0.02 U	0.1 U	0.02 U	0.02 U
Endrin ketone	5	µg/L	0.005 U	0.005 U	0.017 J	0.025 U	0.005 U	0.005 U
Heptachlor	0.04	µg/L	0.002 U	0.002 U	0.002 U	0.01 U	0.002 U	0.002 U
Heptachlor epoxide	0.03	µg/L	0.0023 U	0.0023 U	0.007 U	0.011 U	0.0023 U	0.0023 U
Methoxychlor	35	µg/L	0.03 U	0.03 U	0.03 U	0.15 U	0.03 U	0.03 U
Toxaphene	0.06	µg/L	0.3 U	0.3 U	0.3 U	1.5 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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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 NO. 0130074

Constituent	Part 703 Standard [1]	Units	MW-5 Unfiltered 4/14/2015	MW-5 Unfiltered 4/11/2016	MW-5/DUP-20160927 Unfiltered 9/27/2016	MW-5/DUP-20160927 Unfiltered 9/27/2016	MW-5 Unfiltered 5/16/2017	MW-5 Unfiltered 10/16/2017	MW-5 Unfiltered 5/31/2018	MW-5 Unfiltered 9/24/2018	MW-5/DUP-20191021 Unfiltered 10/21/2019	MW-5/DUP-20191021 Unfiltered 10/21/2019	MW-5 Unfiltered 8/17/2020	MW-5 Filtered 8/17/2020	MW-5 Unfiltered 6/14/2021	MW-5 Filtered 6/14/2021
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	0.005 UJ	0.005 UJ	0.0054 U	0.0051 U	0.005 U	0.005 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	0.005 U	0.005 U	0.0054 U	0.0051 U	0.005 U	0.005 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	0.014 J	0.017 J	0.0078 J	0.0053 U	0.0052 U	0.0052 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	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.002 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	0.035	0.037	0.0046 U	0.0044 U	0.0043 U	0.0043 U
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	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	0.0025 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.003 U	0.003 U	0.0032 U	0.0031 U	0.003 U	0.003 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	0.0034 U	0.0034 U	0.0036 U	0.0035 U	0.0034 U	0.0034 U
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	0.0034 U	0.0034 U	0.0036 U	0.0035 U	0.0034 U	0.0034 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	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.002 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	0.003 U	0.003 U	0.0057 J	0.0031 U	0.003 U	0.003 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	0.007 U	0.007 U	0.0075 U	0.0072 U	0.007 U	0.007 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**	**0.018 J**	**0.018 J**	**0.0075 J**	0.0055 U	**0.0078 J**	0.0053 U
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	0.0058 UJ	0.0058 UJ	0.0062 U	0.006 U	0.0058 U	0.0058 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	0.0081 U	0.0081 U	0.0087 U	0.0083 U	0.0081 U	0.0081 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	0.02 U	0.02 U	0.021 U	0.021 U	0.02 U	0.02 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	0.005 U	0.005 U	0.0054 U	0.0051 U	0.005 U	0.005 U
Heptachlor	0.04	µg/L	0.0016 U	0.0017 U	0.0016 U	0.0017 U	0.0017 U	0.0016 U	0.0016 U	0.0016 U	0.002 U	0.002 U	0.0021 U	0.0021 U	0.002 U	0.002 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	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0023 U	0.0023 U
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	0.03 U	0.03 U	0.032 U	0.031 U	0.03 U	0.03 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	0.3 U	0.3 U	0.32 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 NO. 0130074

Constituent	Part 703 Standard [1]	Units	MW-1D Unfiltered 4/15/2015	MW-1D Unfiltered 4/11/2016	MW-1D Unfiltered 9/26/2016	MW-2D Unfiltered 4/14/2015	MW-2D/DUP-041415-F Filtered 4/14/2015	MW-2D/DUP-041415-F Filtered 4/14/2015	MW-2D Unfiltered 4/12/2016	MW-2D Filtered 4/12/2016	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
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	**0.31**	**0.5**	0.074	**0.47**	0.15
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	0.17	0.2	0.027	0.16	0.057 J
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	0.11	0.17 J	0.011 J	0.07	0.021 U
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	0.0017 U	0.0016 U	0.0017 U	0.0016 U	0.008 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	0.0073 J	0.0035 U	0.0036 U	0.0059 J	0.017 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	0.012 U	0.012 U	0.012 U	0.012 U	0.06 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	0.0025 U	0.0024 U	0.0025 U	0.0024 U	0.012 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	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.014 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	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.014 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	0.0017 U	0.0016 U	0.002 J	0.0016 U	0.008 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	0.0025 U	0.0096 J	0.0029 J	0.01	0.012 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	0.009 UJ	0.012 UV	0.0058 U	0.011 U	0.028 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	0.018 UJ	**0.019**	**0.0089 J**	**0.019**	0.021 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	0.039 J	0.034	0.0049 J	0.021	0.023 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	0.0067 U	0.0066 UJ	0.0067 U	0.0066 U	0.033 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	0.017 U	0.016 U	0.017 U	0.016 U	0.08 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	0.0041 U	0.0041 U	0.0041 U	0.004 U	0.02 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	0.0017 U	0.0016 U	0.0017 U	0.0016 U	0.008 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	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0092 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	0.025 U	0.024 U	0.025 U	0.024 U	0.12 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	0.25 U	0.24 U	0.25 U	0.24 U	1.2 U

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TABLE 2
PESTICIDES IN GROUNDWATER
ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE NO. 0130074

Constituent	Part 703 Standard [1]	Units	MW-2D Unfiltered 10/22/2019	MW-2D Unfiltered 8/17/2020	MW-2D Filtered 8/17/2020	MW-2D Unfiltered 6/14/2021	MW-2D Filtered 6/14/2021
Organochlorine Pesticides - Method 8081B							
4,4'-DDD	0.3	µg/L	**0.65**	0.26	0.038	0.18	0.056
4,4'-DDE	0.2	µg/L	**0.4**	0.12	0.02 J	0.083 J	0.023 J
4,4'-DDT	0.2	µg/L	0.0052 U	**2.1** J	**1.4** J	0.027 U	0.0053 U
Aldrin	0	µg/L	0.002 U	0.0021 U	0.002 U	0.011 U	0.0054 U
alpha Endosulfan	NE	µg/L	0.0043 U	0.0045 U	0.0043 U	0.023 U	0.0044 U
beta Endosulfan	NE	µg/L	0.015 U	0.016 U	0.015 U	0.079 U	0.015 U
BHC, alpha	0.01	µg/L	0.003 U	0.0031 U	0.003 U	0.016 U	0.0048 U
BHC, beta	0.04	µg/L	0.0034 U	0.0035 U	0.0034 U	0.018 U	0.0046 U
BHC, delta	0.04	µg/L	0.0034 U	0.0035 U	0.0034 U	0.018 U	0.0035 U
BHC, gamma (Lindane)	0.05	µg/L	0.002 U	0.0021 U	0.002 U	0.011 U	0.002 U
Chlordane, alpha	0.05	µg/L	0.003 U	0.0063 J	0.003 U	0.016 U	0.003 U
Chlordane, beta	0.05	µg/L	0.007 U	0.012 J	0.007 U	0.037 U	0.0071 U
Dieldrin	0.004	µg/L	0.0053 U	**0.018 J**	0.0053 U	0.028 U	0.0054 U
Endosulfan sulfate	NE	µg/L	0.0058 U	0.006 U	0.0058 U	0.031 U	0.0059 U
Endrin	0	µg/L	0.0081 U	0.0084 U	0.0081 U	0.043 U	0.0082 U
Endrin aldehyde	5	µg/L	0.02 UJ	0.032 J	0.02 U	0.11 U	0.02 U
Endrin ketone	5	µg/L	0.005 U	0.0052 U	0.005 U	0.026 U	0.0051 U
Heptachlor	0.04	µg/L	0.002 U	0.0021 U	0.002 U	0.011 U	0.002 U
Heptachlor epoxide	0.03	µg/L	0.0023 U	0.0024 U	0.0023 U	0.012 U	0.0023 U
Methoxychlor	35	µg/L	0.03 U	0.031 U	0.03 U	0.16 U	0.03 U
Toxaphene	0.06	µg/L	0.3 U	0.31 U	0.3 U	1.6 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.
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 3
POTENTIAL INDOOR AIR VOC SOURCES
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE NO. 0130074

Item No.	Description	PID Reading (ppm)	Potential VOC Source (Y/N)
1	Various gasoline-powered equipment located throughout ground floor, including chainsaws, line trimmers, truck, gasoline cans, kerosene can.	0.0 (outside cabinet) 0.5 (inside cabinet)	Y
2	Valvoline Crimson heavy duty grease, contains lithium-12-hydroxy stearate	0	N
3	GoJo® hand cleaner (typically contains petroleum distillates)	0	Y
4	Diesel motor oil	0	N
5	Growth Products Nitro 30 (30% nitrogen fertilizer)	0	N
6	Bartlett Boost Plant Food (20% nitrogen, 6% potassium)	0	N
7	Aquachem 90 (non-ionic surfactant added to herbicide spray)	0	N
8	Agricultural sulfur	0	N
9	Pelleted gypsum	0	N
10	Plant food (5% iron,5% maganese)	0	N
11	Glyphosate herbicide (inactive ingredients not identified)	0	?
12	Spray indicator coloring (ingredients not identified)	0	?
13	Chainsaw bar oil, motor oils, hydraulic fluids	0	N

TABLE 4
SVI MONITORING RESULTS
2020-2021 HEATING SEASON
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE NO. 0130074

Constituent	NYSDOH 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	12/8/2021		12/8/2021		12/8/2021	
				Units						
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	7.7	
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	--	880	88	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	2.5	J	1.4	U
1,2-Dibromoethane (EDB)	--	0.2	0.02	µg/m^3	1	U	1	U	1	U
1,2-Dichlorobenzene	--	880	88	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	**0.53**	J	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	9.3		0.83	U
1,3,5-Trimethylbenzene (mesitylene)	--	260	26	µg/m^3	1.6	U	1.6	U	1.6	U
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	--	--	--	µg/m^3	0.93	U	56		0.93	U
2-Butanone (MEK)	--	22000	2200	µg/m^3	1.3	J	2.6	J	1.8	J
2-Hexanone	--	130	13	µg/m^3	0.74	U	0.74	U	0.74	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	1.6	J	0.88	U
4-Methyl-2-pentanone (MIBK)	--	13000	1300	µg/m^3	0.61	U	0.61	U	0.61	U
Acetone	--	140000	14000	µg/m^3	12		16		11	J
Benzene	--	16	1.6	µg/m^3	0.35	U	**8.6**		1.6	J
Bromobenzene	--	260	26	µg/m^3	1.3	U	1.3	U	1.3	U
Bromodichloromethane	--	3.3	0.33	µg/m^3	0.8	U	0.8	U	0.8	U
Bromoform	--	110	11	µg/m^3	1.8	U	1.8	U	1.8	U
Bromomethane	--	22	2.2	µg/m^3	0.78	U	0.78	U	0.78	U
Carbon disulfide	--	3100	310	µg/m^3	0.4	U	0.4	U	0.4	U
Carbon tetrachloride	--	20	2	µg/m^3	0.88	U	0.88	U	1.2	J
Chlorobenzene	--	220	22	µg/m^3	0.6	U	0.6	U	0.6	U
Chlorodifluoromethane	--	220000	22000	µg/m^3	1.4	J	1.6	J	0.53	U
Chloroethane	--	--	--	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	2.9	J
Chloromethane	--	390	39	µg/m^3	0.85	J	0.62	J	0.5	U
cis-1,2-Dichloroethene	--	--	--	µg/m^3	0.79	U	0.79	U	0.79	U
cis-1,3-Dichloropropene	--	--	--	µg/m^3	0.45	U	0.45	U	0.45	U
Dibromochloromethane	--	--	--	µg/m^3	1.1	U	1.1	U	1.1	U
Dibromomethane	--	18	1.8	µg/m^3	1	U	1	U	1	U
Dichlorodifluoromethane (Freon 12)	--	440	44	µg/m^3	2.8	J	2.6	J	7.7	
Dichlorofluoromethane	--	--	--	µg/m^3	0.46	U	0.46	U	0.46	U
Ethylbenzene	--	49	4.9	µg/m^3	0.83	U	**9.1**		0.83	U
Hexachloroethane	--	11	1.1	µg/m^3	2.6	U	2.6	U	2.6	U
Isopropylbenzene (Cumene)	--	1800	180	µg/m^3	1.2	U	1.2	U	1.2	U
Methylene chloride	60	2600	260	µg/m^3	0.97	J	2.9	J	0.95	J
n-Heptane	--	1800	180	µg/m^3	0.94	U	13		0.94	U
n-Hexane	--	3100	310	µg/m^3	1.1	U	25		3.1	J
n-Pentane (C5)	--	4400	440	µg/m^3	1.5	J	39		12	
Octane	--	--	--	µg/m^3	1.9	U	5.9	J	1.9	U
Styrene	--	4400	440	µg/m^3	0.85	U	0.85	U	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 (4)	180	18	µg/m^3	1.7	U	1.7	U	27	
Toluene	--	22000	2200	µg/m^3	0.45	U	51		0.94	J
trans-1,2-Dichloroethene	--	--	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)	5	8.8	0.88	µg/m^3	0.97	U	0.97	U	1.9	J
Trichlorofluoromethane (Freon 11)	--	--	--	µg/m^3	1.4	J	1.4	J	2.8	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	33		1.1	U

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 2020) 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).
4) In September 2013 NYSDOH lowered its guideline for tetrachloroethene in ambient air from 100 mcg/m^3 to 30 mcg/m^3 and its recommended immediate action level from 1000 mcg/m^3 to 300 mcg/m^3.
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

Figures

N

Grate=104.28
Storm MH
Concrete Curb
Wood Fence
Edge of Pavement
0.2'
0.4'
FORMER OPEN SHED
FORMER DRYWELL 1
MASONRY WAREHOUSE
Chain link Fence
FORMER PESTICIDE STORAGE LOCKER
FORMER GARAGE
Remains of Foundation
LOT 786
LOT 207
LOT 787
LOT 792
LOT 206
Paved Parking Lot
DRYWELL 3
TEST PIT 2
MACADAM PATCH
Enclosed Pesticide Storage Area
Gate
Drain & Lower Entrance (Under Landing)
2 Story Frame Building
CASTLE INDUSTRIES, INC.
Paved Driveway
No. 345
No. 349
4.9'
WV
SCO
Gas Box
Drop Curb
Concrete Curb
ALL SEASONS TAXI
Concrete Sidewalk
UNION AVENUE
Sanitary MH
Rim=98.22
Concrete Curb

0 15 30
Feet

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

FIGURE 1

SITE PLAN

BARTLETT TREE COMPANY SITE
WESTBURY, NEW YORK

DATE
January 2022

PROJECT NUMBER
156884

Brown AND Caldwell

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N

VILLAGE OF WESTBURY
PARKING LOT

Building

Chain link Fence

FORMER MW-1D*

MW-1S***

Grate=104.28

Storm MH

105

5.3'

106

Concrete Curb

Wood Fence

0.4'

0.2'

Regional Groundwater Flow

Range of Local Shallow Groundwater Flow

FORMER DRYWELL 1

MASONRY WAREHOUSE

MW-4

in link Fence

MW-2D

MW-2S**

MW-3

0.4'

MW-5

LOT 786

LOT 207

LOT 787

LOT 206

0 10 20 Feet

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.

FIGURE 2

GROUNDWATER MONITORING WELL NETWORK

BARTLETT TREE COMPANY SITE
WESTBURY, NEW YORK

DATE
JANUARY 2022

PROJECT NUMBER
156884

Brown AND Caldwell

P:\GIS\Bartlett_Tree\2010_Data-Summary_Report\Figure_-GW_4_26_10.mxd

N

VILLAGE OF WESTBURY
PARKING LOT

Building

Chain link Fence

Grate=104.28
Storm MH

MW-1S
(NA[1])

105

5.3'

106

Concrete Curb

Wood Fence

0.4'

0.2'

71.4

71.3

71.2

Regional
Groundwater
Flow

Range of
Local Shallow
Groundwater
Flow

FORMER
DRYWELL 1

MASONRY
WAREHOUSE

MW-4
(71.35)

in link Fence

MW-2D

MW-3
(71.49)

0.4'

MW-5
(71.22)

71.4

71.3

71.2

LOT 786

LOT 207

LOT 787

LOT 206

0 10 20
Feet

Legend

- MONITORING WELL
- PAVEMENT EDGE
- GROUND SURFACE ELEVATION CONTOUR (FT., NGVD)
- PROPERTY LINE
- WATER ELEVATION CONTOUR (FT., NGVD) DASHED WHERE INFERRED
- GENERALIZED DIRECTION OF GROUNDWATER FLOW
- (71.14) WATER TABLE ELEVATION (FT., NGVD)
- (1) MW-1S DROPPED FROM MONITORING PROGRAM EFFECTIVE DECEMBER 16, 2019. SEE REPORT TEXT FOR MORE INFORMATION.

FIGURE 3

WATER TABLE CONTOUR MAP
JUNE 14, 2021

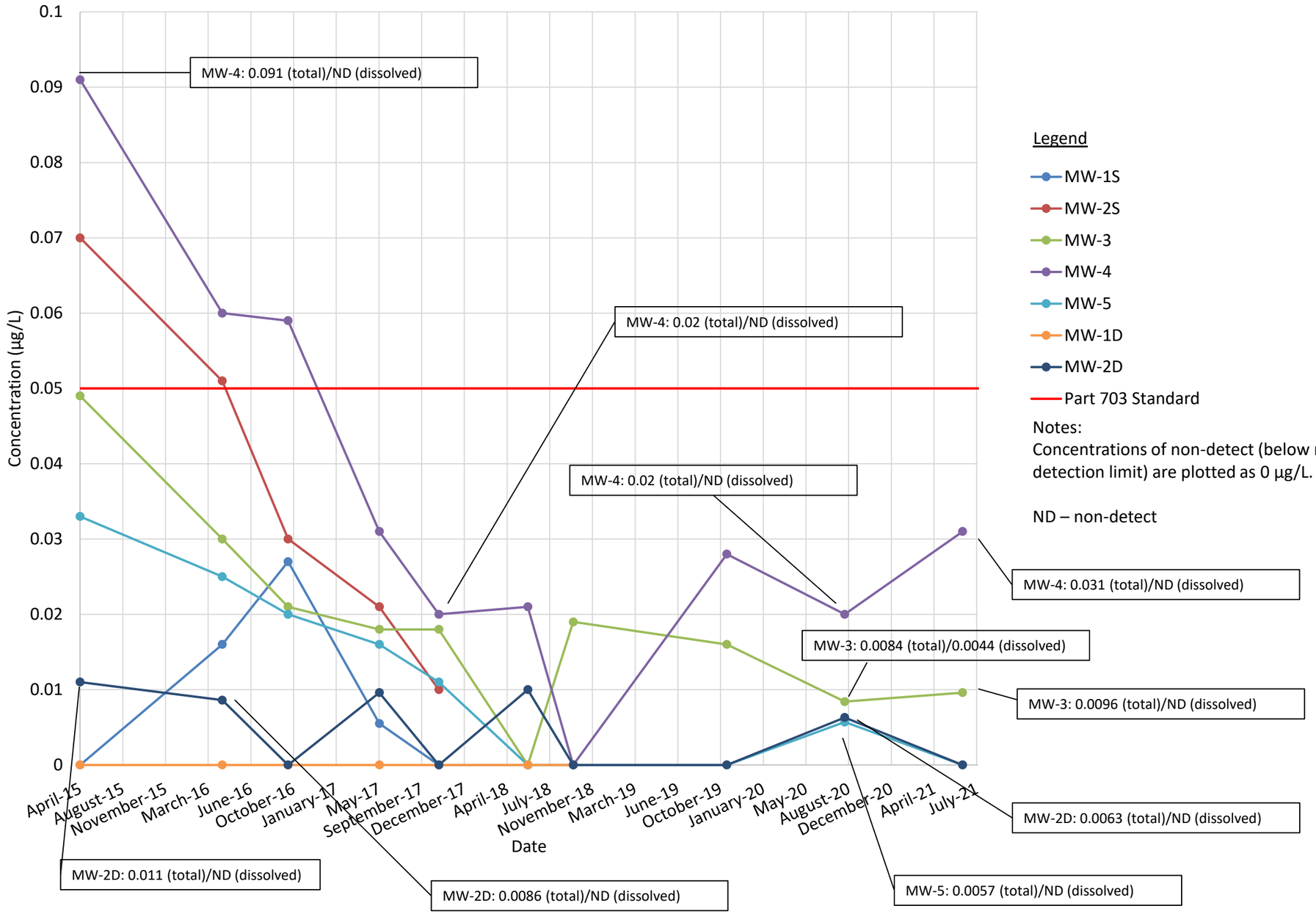
	DATE	PROJECT NUMBER
BARTLETT TREE COMPANY SITE WESTBURY, NEW YORK	January 2022	156884

Brown AND Caldwell

P:\GIS\Bartlett_Tree\2010_Data-Summary_Report\Figure_-GW_4_26_10.mxd

156884

Total Chlordane, alpha



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.

ND – non-detect

FIGURE 4a

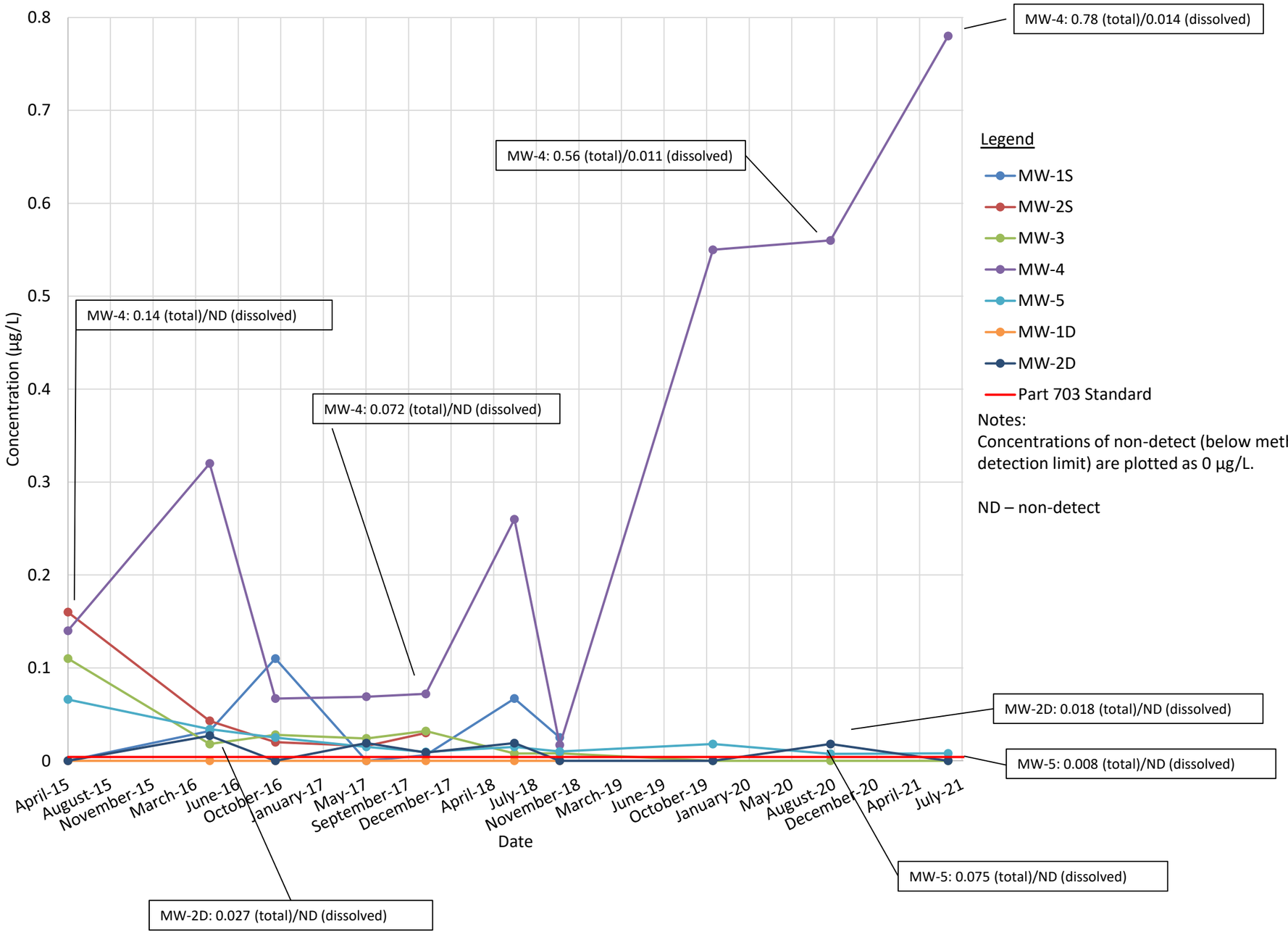
Chlordane, alpha Trend Plot
All Site Monitoring Wells
(April 2015 – June 2021)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

156884

Total Dieldrin



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

ND – non-detect

FIGURE 4b

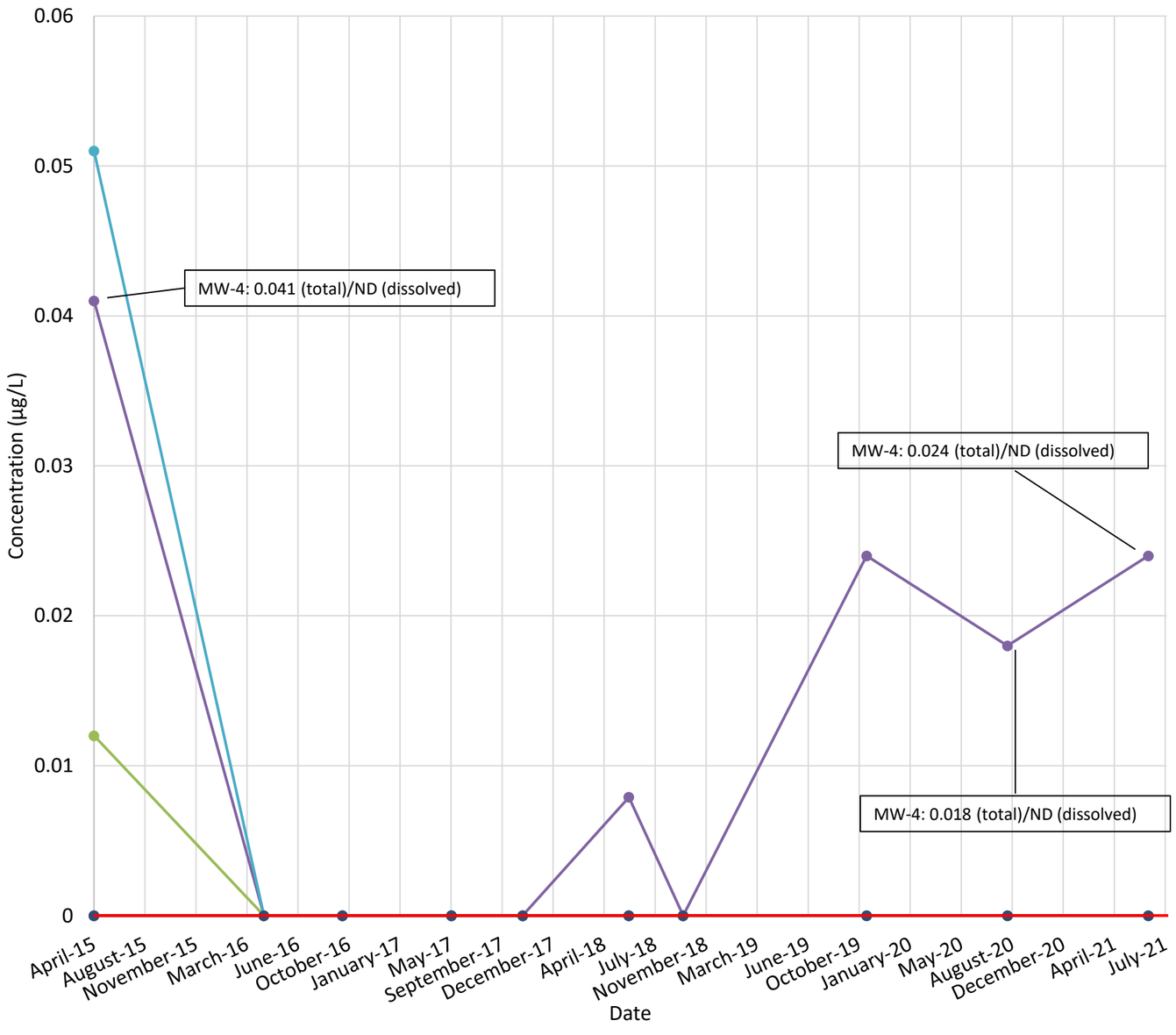
Dieldrin Trend Plot
All Site Monitoring Wells
(April 2015 – June 2021)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

156884

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.

ND – non-detect

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

FIGURE 4c

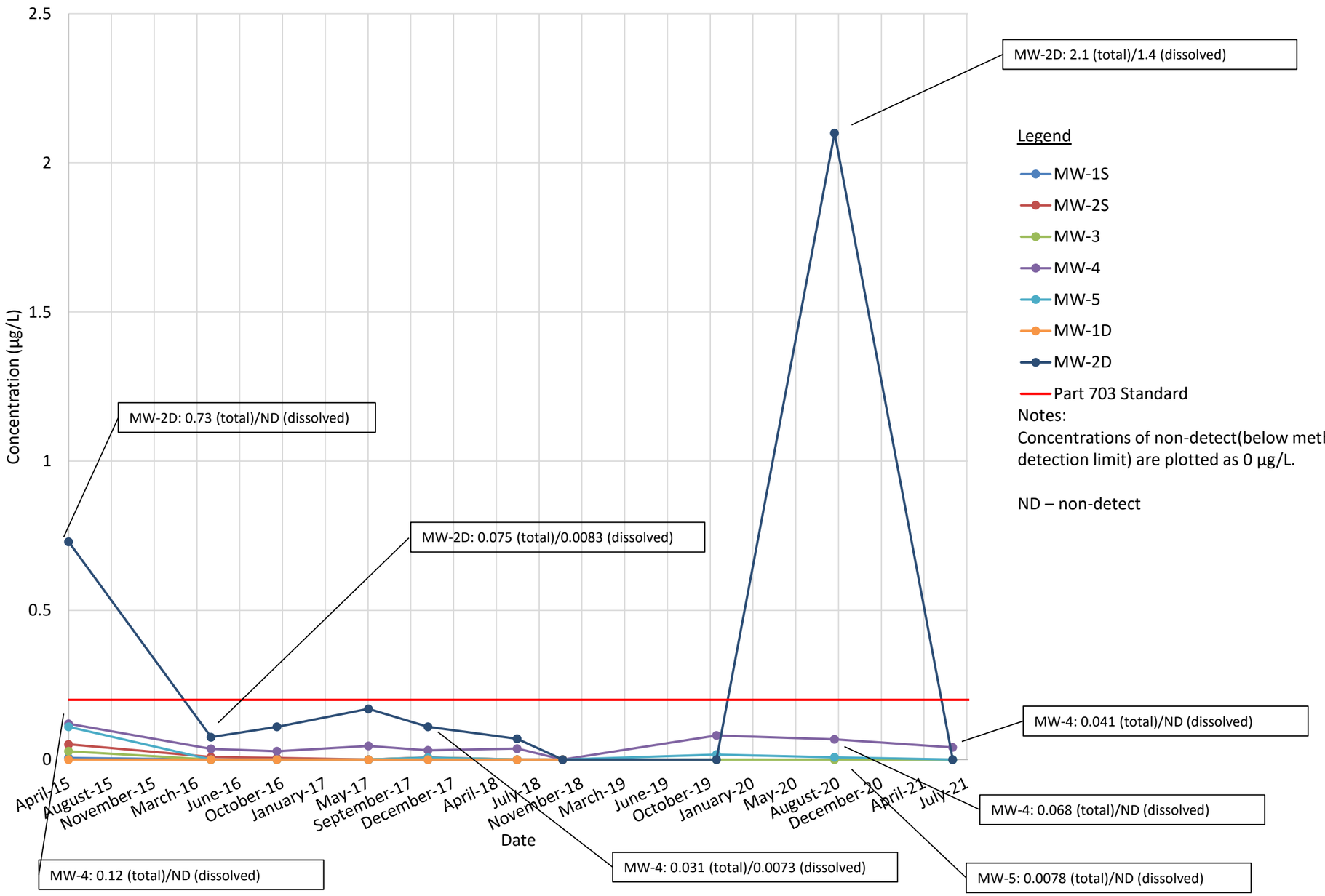
Endrin Trend Plot
All Site Monitoring Wells
(April 2015 – June 2021)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

156884

Total 4,4'-DDT



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.

ND – non-detect

FIGURE 4d

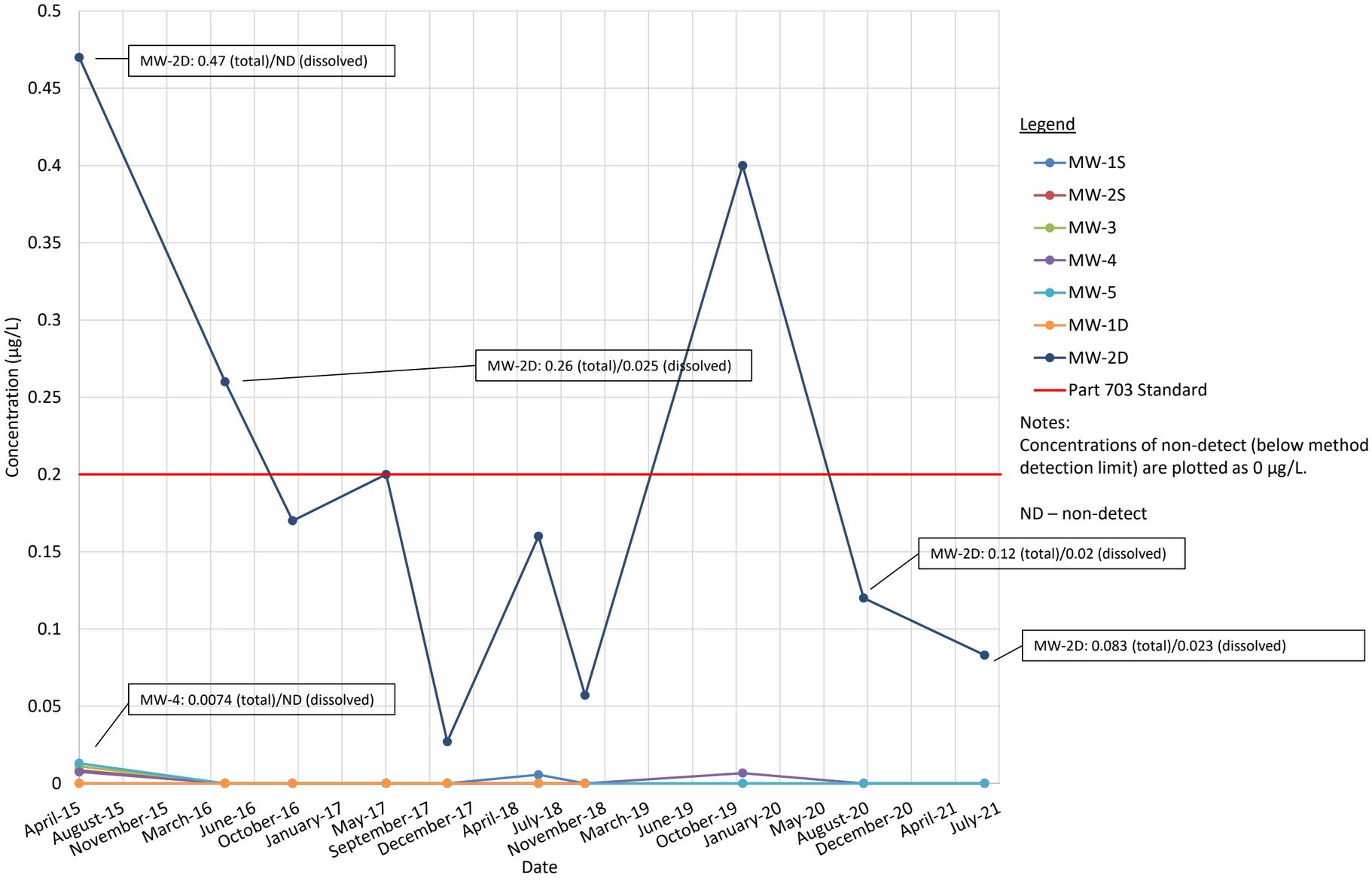
4,4'-DDT Trend Plot
All Site Monitoring Wells
(April 2015 –June 2021)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

156884

Total 4,4'-DDE



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.

ND – non-detect

FIGURE 4e

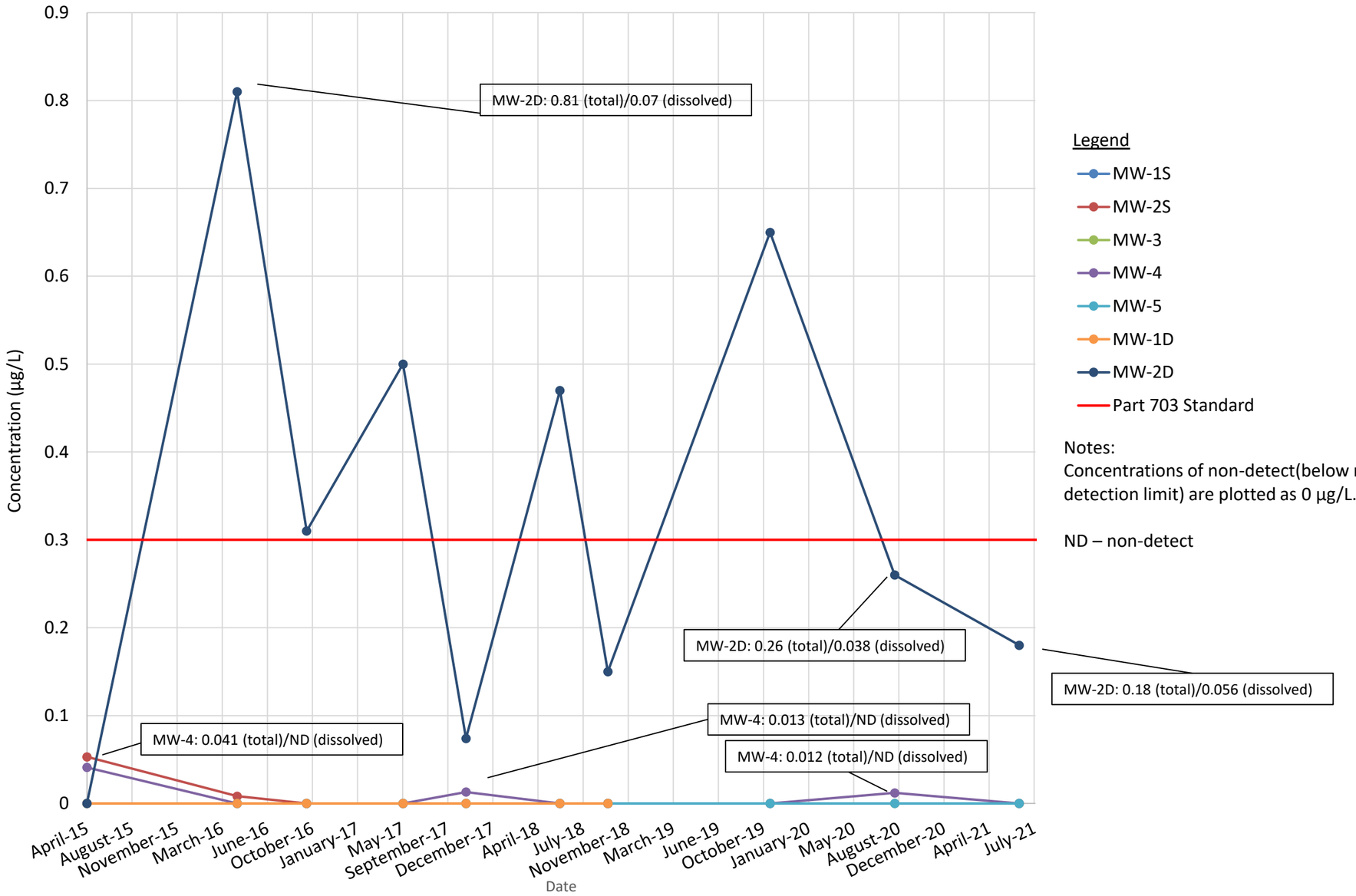
4,4'-DDE Trend Plot
All Site Monitoring Wells
(April 2015 – June 2021)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

156884

Total 4,4'-DDD



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.

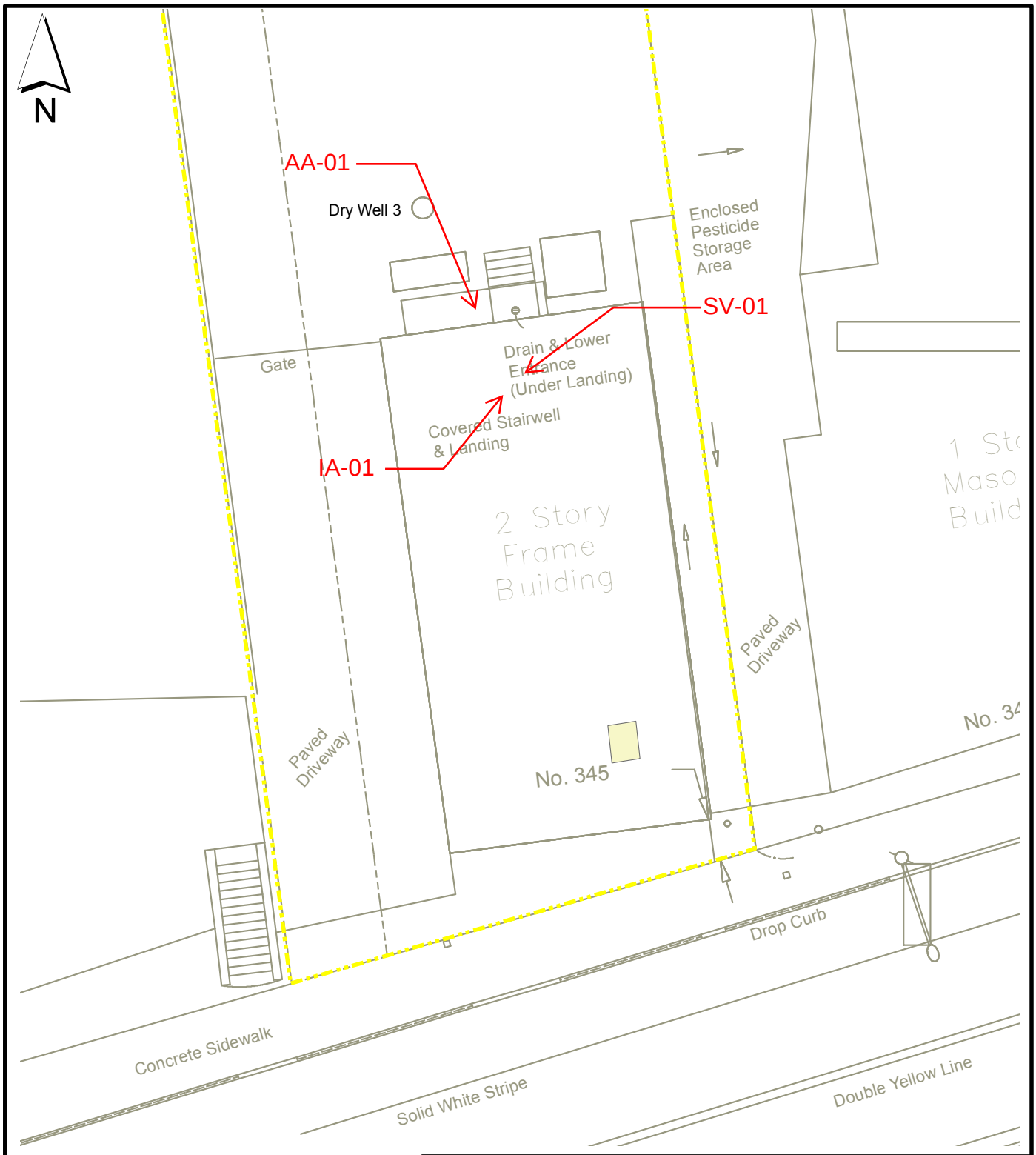
ND – non-detect

FIGURE 4f

4,4'-DDD Trend Plot
All Site Monitoring Wells
(April 2015 – June 2021)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell



Legend

- Approximate Location of Mechanics Pit
- Site_Boundary

0 15 30 Feet

FIGURE 5
LOCATIONS OF SVI SAMPLES
DECEMBER 8, 2021

BARTLETT TREE
COMPANY SITE
WESTBURY, NASSAU COUNTY
NEW YORK, 11590

DATE
JANUARY 2022

PROJECT NUMBER
156884

Brown AND Caldwell

P:/GIS/Bartlett_Tree/RAR/ClosureSamplingPts_082009.mxd

N

Grate=104.28
Storm MH
Concrete Curb
Wood Fence
Edge of Pavement
0.2'
0.4'
SB-7
FORMER OPEN SHED
IRM - DRYWELL 1
Structure and Soil
Removed to 31 ft. bgs
FORMER DRYWELL 1
Chain link Fence
MASONRY WAREHOUSE
SB-6
FORMER PESTICIDE STORAGE LOCKER
FORMER GARAGE
Remains of Foundation
LOT 786
LOT 207
LOT 787
LOT 792
LOT 206
Paved Parking Lot
DRYWELL 3 CLOSURE
Contents and Underlying
Soil Removed
DRYWELL 3
TEST PIT 2
MACADAM PATCH
TP-2
Enclosed Pesticide Storage Area
Drain & Lower Entrance (Under Landing)
Gate
2 Story Frame Building
CASTLE INDUSTRIES, INC.
MECHANIC'S PIT CLOSURE
Contaminated Fill Removed
Paved Driveway
No. 345
No. 349
WV
SCO
Gas Box
Drop Curb
Concrete Curb
ALL SEASONS TAXI
Concrete Sidewalk
UNION AVENUE
Sanitary MH
Rim=98.22

LEGEND

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

0 15 30
Feet

FIGURE 6

EXTENT OF REMEDIAL EXCAVATIONS AND REMAINING SOIL CONTAMINATION

BARTLETT TREE COMPANY SITE
WESTBURY, NEW YORK

DATE: January 2022

PROJECT NUMBER: 156884

Brown AND Caldwell

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

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.

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

ec: 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	**Address**
FA Bartlett Tree Expert Company	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: _____ Date: December 1, 2015
Robert W. Schick, P.E., Director
Division of Environmental Remediation

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: _____

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

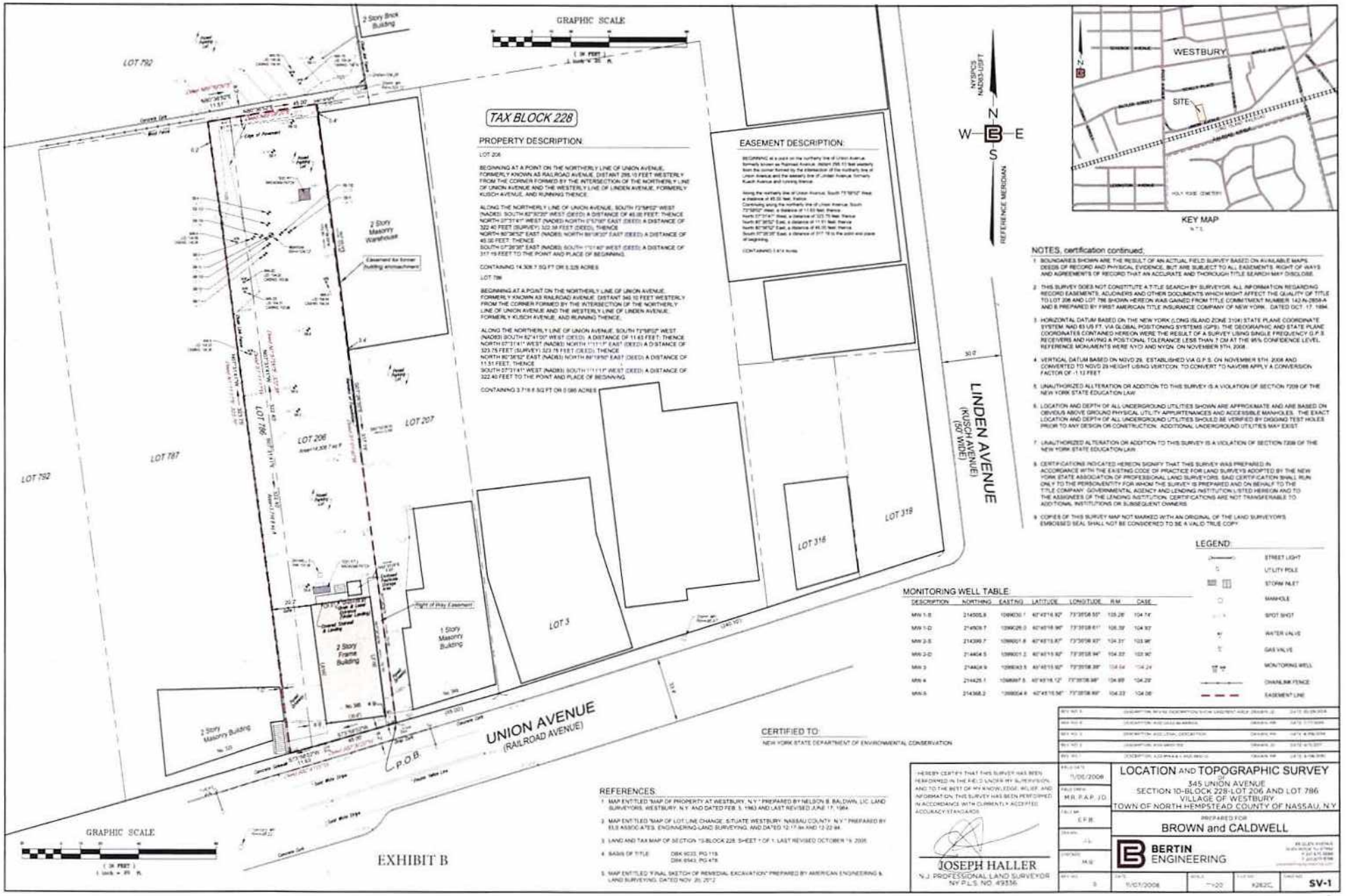
Not Applicable/No EC's

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



NOTES, certification continued:

1. BOUNDARIES SHOWN ARE THE RESULT OF AN ACTUAL FIELD SURVEY BASED ON AVAILABLE MAPS, DEEDS OF RECORD AND PHYSICAL EVIDENCE, BUT ARE SUBJECT TO ALL EASEMENTS, RIGHT OF WAYS AND AGREEMENTS OF RECORD THAT AN ACCURATE AND THOROUGH TITLE SEARCH MAY DISCLOSE.
2. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY SURVEYOR. ALL INFORMATION REGARDING RECORD EASEMENTS, ADJOINERS AND OTHER DOCUMENTS WHICH MIGHT AFFECT THE QUALITY OF TITLE TO LOT 206 AND LOT 786 SHOWN HEREON WAS GAINED FROM TITLE COMMITMENT NUMBER 142-N-2808-A AND B PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY OF NEW YORK, DATED OCT. 17, 1994.
3. HORIZONTAL DATUM BASED ON THE NEW YORK (LONG ISLAND ZONE 3104) STATE PLANE COORDINATE SYSTEM, NAD 83 US FT, VIA GLOBAL POSITIONING SYSTEMS (GPS). THE GEOGRAPHIC AND STATE PLANE COORDINATES CONTAINED HEREON WERE THE RESULT OF A SURVEY USING SINGLE FREQUENCY G.P.S. RECEIVERS AND HAVING A POSITIONAL TOLERANCE LESS THAN 7 CM AT THE 95% CONFIDENCE LEVEL. REFERENCE MONUMENTS WERE NY01 AND NY02N. ON NOVEMBER 5TH, 2008.
4. VERTICAL DATUM BASED ON NGVD 29. ESTABLISHED VIA G.P.S. ON NOVEMBER 5TH, 2008 AND CONVERTED TO NGVD 29 HEIGHT USING VERTCON. TO CONVERT TO NAVD88 APPLY A CONVERSION FACTOR OF -1.12 FEET.
5. UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.
6. LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED ON OBVIOUS ABOVE GROUND PHYSICAL UTILITY APPURTENANCES AND ACCESSIBLE MANHOLES. THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED BY DIGGING TEST HOLES PRIOR TO ANY DESIGN OR CONSTRUCTION. ADDITIONAL UNDERGROUND UTILITIES MAY EXIST.
7. UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.
8. CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATION SHALL RUN ONLY TO THE PERSON/ENTITY FOR WHOM THE SURVEY IS PREPARED AND ON BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
9. COPIES OF THIS SURVEY MAP NOT MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY.

LEGEND:

STREET LIGHT
UTILITY POLE
STORM INLET
MANHOLE
SPOT SHOT
WATER VALVE
GAS VALVE
MONITORING WELL
CHAIN LINK FENCE
EASEMENT LINE

MONITORING WELL TABLE:

DESCRIPTION	NORTHING	EASTING	LATITUDE	LONGITUDE	R.M.	CASE
MW 1-S	214505.8	1096030.1	40°43'16.92"	73°35'58.55"	105.28	104.74'
MW 1-D	214509.7	1096026.0	40°43'16.96"	73°35'58.61"	105.39'	104.93'
MW 2-S	214399.7	1096001.8	40°43'15.87"	73°35'58.93"	104.31'	103.96'
MW 2-D	214404.5	1096001.2	40°43'15.92"	73°35'58.94"	104.33'	103.96'
MW 3	214404.9	1096043.5	40°43'15.92"	73°35'58.39"	104.64'	104.24'
MW 4	214425.1	1096067.5	40°43'16.12"	73°35'58.08"	104.89'	104.29'
MW 5	214368.2	1096054.9	40°43'15.56"	73°35'58.25"	104.23'	104.08'

CERTIFIED TO:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

REFERENCES:

1. MAP ENTITLED "MAP OF PROPERTY AT WESTBURY, N.Y." PREPARED BY NELSON B. BALDWIN, LIC. LAND SURVEYORS, WESTBURY, N.Y. AND DATED FEB. 5, 1963 AND LAST REVISED JUNE 17, 1964.
2. MAP ENTITLED "MAP OF LOT LINE CHANGE, SITUATE WESTBURY, NASSAU COUNTY, N.Y." PREPARED BY ELS ASSOCIATES, ENGINEERING-LAND SURVEYING, AND DATED 12-17-84 AND 12-22-84.
3. LAND AND TAX MAP OF SECTION 10-BLOCK 228, SHEET 1 OF 1, LAST REVISED OCTOBER 16, 2008.
4. BASIS OF TITLE: DBK 9033, PG.119; DBK 8943, PG.478.
5. MAP ENTITLED "FINAL SKETCH OF REMEDIAL EXCAVATION" PREPARED BY AMERICAN ENGINEERING & LAND SURVEYING, DATED NOV. 20, 2012.

HEREBY CERTIFY THAT THIS SURVEY HAS BEEN PERFORMED IN THE FIELD UNDER MY SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, BELIEF, AND INFORMATION, THIS SURVEY HAS BEEN PERFORMED IN ACCORDANCE WITH CURRENTLY ACCEPTED ACCURACY STANDARDS.

JOSEPH HALLER
N.J. PROFESSIONAL LAND SURVEYOR
NY P.L.S. NO. 49336

REV. NO.	DESCRIPTION	DRAWN BY	DATE
REV. NO. 4	DESCRIPTION ADDED AS MARKED	DRAWN BY: MR	DATE: 1/17/2009
REV. NO. 3	DESCRIPTION ADDITIONAL DESCRIPTION	DRAWN BY: MR	DATE: 4/16/2008
REV. NO. 2	DESCRIPTION ADDED TEE	DRAWN BY: JD	DATE: 4/7/2007
REV. NO. 1	DESCRIPTION ADD PHASE I AND MAP CH	DRAWN BY: MR	DATE: 3/16/2007

FIELD DATE: 11/06/2008
FIELD CREW: M.R. P.A.P. J.D.
FILE NO.: E.F.B.
DRAWN BY: J.D.
CHECKED BY: M.G.

LOCATION AND TOPOGRAPHIC SURVEY
OF
345 UNION AVENUE
SECTION 10-BLOCK 228-LOT 206 AND LOT 786
VILLAGE OF WESTBURY
TOWN OF NORTH HEMPSTEAD COUNTY OF NASSAU, N.Y.

PREPARED FOR
BROWN and CALDWELL

BERTIN ENGINEERING

REV. NO.	DATE	SCALE	FILE NO.	SHEET NO.
3	11/07/2008	1"=20'	K262C	SV-1

NOTICE OF COC

THE WEST FIRM
A PROFESSIONAL LIMITED LIABILITY COMPANY

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

RECEIVED
JAN 05 2016
Division of
Environmental Remediation

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:
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

Record and Return To:

NASSAU COUNTY · STATE OF NEW YORK ·

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. Morren, 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. Morren, 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

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

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

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

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.

Maureen O'Connell
County Clerk

Appendix B: Field Data Sheets – Groundwater Sampling

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-3
Sample I.D.: MW-3-20210614-LF/F (If different from well no.)

Project: Bartlett Tree
Personnel: MHM JAFV

Date: 06/14/21 Time: 1050
Weather: Rain Air Temp.: 65

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: 32.75 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: ____

Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 2.0 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
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-LF/F-20210614 (MS/MSD)

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

Signature: ____ Date: ____

Brown AND Caldwell
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: MHM / AFV
Purge/Sample Depth: ~2'
Project Number: 156884
Date: 06/14/21
Well ID: MW-3
Sample ID: MW-3-20210614-GF/F

Actual Time	Certified Parameters: pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
1050	5.44	15.33	1.78	8.15	13.3	336	32.79	200	GF Turb
1053	5.64	14.63	2.14	5.59	12.3	338	32.80		= 1.04 NTU
1056	5.66	14.53	2.23	5.56	9.3	340	32.81		
1059	5.67	14.42	2.35	5.54	4.6	342	32.81		
1102	5.68	14.43	2.34	5.02	2.1	343	32.79		
1105	5.68	14.44	2.34	4.82	1.9	344	32.79		F Turb
1108	5.68	14.56	2.35	4.80	0.7	347	32.79		= 0.47 NTU
1111	5.68	14.58	2.35	4.82	0.5	348	32.79		
1114	5.68	14.57	2.36	4.51	0.0	348	32.79		
1117	5.67	14.57	2.35	4.72	0.0	347	32.79		
1120	5.67	14.57	2.34	4.83	0.0	349	32.79		
1123		Collect MW-3-F/GF-20210614 + MS/MSD							
1126		Collect MW-3-F-20210614 + MS/MSD							

Certified Sample Information:
Time of Sample: 1123 + 1126
Analyst Signature:

Instrument Data:
Manufacturer/Model: Horiba-452
Serial No. Unit: B5DY5WJ55N
Serial No. Handheld: V W33LX P7
Calibration Date/Time: 06/14/21 1015

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-UF/F-20210614 (If different from well no.)

Project: Bartlett Tree
Personnel: AFV/MHM

Date: 06/14/21 Time: 1222
Weather: Cloudy Air Temp.: 66 °F

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: 32.94 ft Bottom of Well: 43.05 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: _____

Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 2 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
Tubing/Rope: ☐ Teflon® ☒ Polyethylene
SAMPLING EQUIPMENT: ☐ Dedicated ☐ Prepared Off-Site ☒ Field Cleaned
Metals samples field filtered? ☒ Yes ☐ No Method: 0.45 micron
APPEARANCE: ☒ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☐ No ☒ Yes Name: DUP-UF/F-20210614
MS/MSD : ☒ No ☐ Yes Name: _____

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

Signature: _____ Date: 06/14/21

Brown AND Caldwell

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: AFV/MHM
Purge/Sample Depth: ~36'

Project Number: 156884
Date: 06/14/21
Well ID: MW-4
Sample ID: MW-4-UF/F-20210614

Actual Time	Certified Parameters: pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
1222	9.55	16.18	0.834	8.07	46.2	155	32.98	200	Turbidity Readings
1225	4.20	15.79	0.807	6.72	25.8	151	32.99	↓	UF = 2.43
1228	3.77	15.45	0.783	6.22	20.8	141	32.99	↓	Filtered = 0.49
1231	3.73	15.33	0.766	5.98	14.9	137	33.00	↓	
1234	3.72	15.32	0.759	5.82	12.2	141	33.00	↓	Depth to Bottom
1237	3.71	15.26	0.750	5.64	5.4	138	33.01	↓	DTB = 43.05
1240	3.71	15.21	0.747	5.55	4.1	137	33.01	↓	
1243	3.70	15.19	0.746	5.48	2.9	137	33.02	↓	
1246	3.70	15.18	0.745	5.42	2.5	137	33.02	↓	
1249	3.70	15.19	0.739	5.41	1.7	137	33.03	↓	
1252	3.70	15.20	0.739	5.35	1.7	138	33.03	↓	
1255	Collect MW-4-UF-20210614+DUP-UF-20210614								
1258	Collect MW-4-F-20210614+DUP-F-20210614								

AFV 06/14/21

Certified Sample Information:
Time of Sample: 1255 + 1258
Analyst Signature: AFV

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: YKOW XF8F
Calibration Date/Time: 06/14/21
Serial No. Handheld: AHR34MQ

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-U/F-20210614 (if different from well no.)

Project: Bartlett Tree
Personnel: AF V/MHM

Date: 06/14/21 Time: 1055
Weather: Rainy / Cloudy Air Temp.: 66 °F

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: 32.84 ft Bottom of Well: _____ ft 42.51
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: _____

Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 2 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
Tubing/Rope: ☐ Teflon® ☒ Polyethylene
SAMPLING EQUIPMENT: ☐ Dedicated ☒ Prepared Off-Site ☐ Field Cleaned
Metals samples field filtered? ☒ Yes ☐ No Method: 0.45 micron
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: 06/14/21

Brown AND Caldwell

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: AFV/MHM
Purge/Sample Depth: ~35'

Project Number: 156884
Date: 06/14/21
Well ID: MW-5
Sample ID: MW-5-U/F-20210614

Actual Time	Certified Parameters: pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
1055	5.14	17.94	2.34	1.70	102	86	32.85	200	Turbidity
1058	3.74	16.65	2.27	1.93	46.9	122	32.85	↓	Readings
1101	3.73	16.39	2.21	2.65	28.7	123	32.85		
1104	3.72	16.12	2.14	3.01	19.2	125	32.85		U/F = 1.55
1107	3.71	15.99	2.06	3.57	11.8	128	32.85		
1110	3.72	15.93	2.02	3.89	10.2	130	32.85		
1113	3.73	15.86	1.99	4.02	7.6	131	32.85		Filtered = 0.51
1116	3.74	15.81	1.97	4.28	3.7	134	32.85		
1119	3.73	15.78	1.96	4.33	2.6	135	32.85		
1122	3.71	15.74	1.95	4.41	1.9	136	32.85		
1125	3.70	15.69	1.94	4.56	2.2	138	32.85		
1128	Collect MW-5-U/F-20210614								
1131	Collect MW-5-F-20210614								
									Depth to bottom = 42.5'

06/14/21

Certified Sample Information:
Time of Sample: 1128 + 1131

Analyst Signature:

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: YKQWXF8F
Calibration Date/Time: 06/14/21

Serial No. Handheld: JAHR34M0

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-2D F/D
Sample I.D.: MW-2D-20210614 (if different from well no.)

Project: Bartlett Proc
Personnel: MHM / AEV

Date: 06/14/21 Time: 1223
Weather: Rain Air Temp.: 65

WELL DATA:

Casing Diameter: 8 in ☐ Stainless Steel ☑ Steel ☐ PVC ☐ Teflon® ☐ Other: ____
Intake Diameter: 2 in ☐ 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: ____

Pumping Rate: 200 mL/min Elapsed Time: 30 min Volume Pumped: 2.0 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
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: ____ Date: 06/14/21

Brown AND Caldwell

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: MH/MI/AFU
Purge/Sample Depth: 24
Project Number: 156894
Date: 06/14/21
Well ID: MW-2D
Sample ID: MW-2D-F(UF)-20210614

Actual Time	Certified Parameters: pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
1233	7.96	15.49	1.40	0.898	2.52	320	35.31	200	UF Turb
1236	8.62	15.23	1.75	1.59	45.1	234	35.10		= 20.9 NTU
1239	8.82	15.01	2.04	0.84	28.4	227	34.95		
1242	8.83	15.01	2.06	0.78	28.0	219	34.86		
1245	8.84	14.99	2.10	0.64	28.3	204	34.87		
1248	8.84	14.95	2.11	0.58	30.0	195	34.88		F Turb
1241	8.83	14.90	2.13	0.54	22.1	184	34.89		= 6.13 NTU
1244	8.82	14.88	2.13	0.47	21.5	181	34.90		
1247	8.80	14.89	2.13	0.42	18.4	176	34.91		
1250	8.78	14.92	2.12	0.46	18.3	171	34.92		
1253	8.76	14.93	2.10	0.37	17.6	168	34.93		
1256		C Collect		MW-2D-F-20210614					
1259		Collect		MW-2D-F-20210614					

Certified Sample Information:
Time of Sample: 1256 + 1259
Analyst Signature:

Instrument Data:
Manufacturer/Model: Horiba-U52
Serial No. Unit: PYS4553N
Serial No. Handheld: VW33LXP7
Calibration Date/Time: 06/14/21 1015

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.

Appendix C: Data Usability Summary Reports (DUSRs)

DATA USABILITY SUMMARY REPORT
BARTLETT TREE SITE

Client: Brown and Caldwell, Albany, New York
SDGs: 410-43723-1
Laboratory: Eurofins Lancaster Laboratories, Lancaster, Pennsylvania
Site: Bartlett Tree
Date: July 12, 2021

Client Sample ID	Laboratory Sample ID	Matrix
MW-3-UF-20210614	410-43723-1	Groundwater
MW-3-F-20210614	410-43723-2	Groundwater
MW-5-UF-20210614	410-43723-3	Groundwater
MW-5-F-20210614	410-43723-4	Groundwater
MW-4-UF-20210614	410-43723-5	Groundwater
MW-4-F-20210614	410-43723-6	Groundwater
MW-2D-UF-20210614	410-43723-7	Groundwater
MW-2D-F-20210614	410-43723-8	Groundwater
FB-UF-20210614	410-43723-9	Water
FB-F-20210614	410-43723-10	Water
DUP-UF-20210614	410-43723-11	Groundwater
DUP-F-20210614	410-43723-12	Groundwater

Data validation was performed on the analytical data for eight (8) groundwater samples, two (2) groundwater duplicates, and two (2) field blanks collected on June 14, 2021, by Brown and Caldwell Associates at the Bartlett Tree site in New York. The samples were analyzed under the Environmental Protection Agency (USEPA) "Method 8081B Organochlorine Pesticides by Gas Chromatography, February 2007".

Analysis	*Method References*
Organochlorine Pesticides	SW846 8081B

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-44, Revision 1.1, December 2010, June 2014, Validating Pesticide Compounds Organochlorine Pesticides by Gas Chromatography, SW-846 Method 8081B;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

- Data Completeness
- Holding times and sample preservation
- Surrogate Recoveries
- Laboratory Control Sample (LCS) recoveries
- Matrix Spike Recoveries

- Method and field blank contamination
- Field Duplicates
- Initial and continuing calibration summaries
- Compound Quantitation
- Sample Comments and Quality Control Summaries

Overall Usability Issues:

Overall, the data is acceptable for the intended purposes. No analytical or quality issues were noted.

Holding Times

- All samples were analyzed within the method holding time.

Surrogate Recoveries

- All samples exhibited acceptable internal standard values with the following exception:
    - Sample FB-F-20210614 surrogate DCB Decachlorobiphenyl was below control limits for the first column, but within control limits on the second column. No qualification is required.

Laboratory Control Samples (LCS)

- The LCS samples exhibited acceptable recoveries.

Matrix Spike Samples (MS)

- The MS/MSD RPD for sample MW-3-UF-20210614 was above control limits for endrin aldehyde. The sample non-detection is not qualified.
- The MS/MSD percent recovery for sample MW-3-F-20210614 was below control limits for heptachlor. The sample non-detection is qualified as estimated with limited detection, UJ, reason code 4L.

Field Blank

- The two field blanks were free of contamination.

Method Blank

- The method blanks were free of contamination.

Field Duplicate

- There two field duplicates in this dataset. DUP-UF-20210614 is the sample duplicate for MW-4-UF-20210614, and DUP-F-20210614 is the sample duplicate for MW-4-F-20210614. All RPDs are with control limits.

Initial Calibration

- All percent relative standard deviation and/or correlation coefficient criteria were met.

Continuing Calibration

- All Percent Drift criteria were met with the follow exception:
    - The CCVs for 4,4'-DDT, methoxychlor, and toxaphene were above control limits; however, the associated samples were non-detect and no qualification is required.

Column Comparison

- The percent differences between the two GC columns are within control limits (25%) with the following exceptions:
    - Sample MW-4-UF-20210614 percent difference was greater than 50% but less than the reporting limit for endosulfan I, 4,4'-DDD, beta BHC, alpha BHC, gamma chlordane, and heptachlor epoxide. Results are qualified as non-detect, U, and the result is reported as the MDL, reason code P.
    - Sample MW-4-UF-20210614 percent difference was greater than 25% but less than 70% for 4,4'-DDT and alpha chlordane. Results are qualified as estimated, J, reason code P.
    - Sample MW-4-F-20210614 percent difference was greater than 50% but less than the reporting limit for alpha BHC. Results are qualified as non-detect, U, and the result is reported as the MDL, reason code P.
    - Sample MW-2D-F-20210614 percent difference was greater than 50% but less than the reporting limit for alpha BHC, beta BHC, and aldrin. Results are qualified as non-detect, U, and the result is reported as the MDL, reason code P.
    - Samples DUP-F-20210614 and DUP-UF-20210614 percent differences were greater than 50% but less than the reporting limit for alpha BHC and 4,4'-DDT. Results are qualified as non-detect, U, and the result is reported as the MDL, reason code P.

Compound Quantitation

- Laboratory qualifier, J, indicates an estimated value greater than or equal to the Method Detection Limit (MDL) and less than the Reporting Limit (RL).

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

Signed: Dated: July 12, 2021

Jaclyn Lauer, P.E.
Senior Engineer and 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 sample reporting 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

DATA USABILITY SUMMARY REPORT
BARTLETT TREE SITE

Client: Brown and Caldwell, Albany, New York
SDGs: 410-66301-1
Laboratory: Eurofins Lancaster Laboratories, Lancaster, Pennsylvania
Site: Bartlett Tree
Date: January 12, 2022

Client Sample ID	Laboratory Sample ID	Matrix
SV-1-20211208	410-66301-1	Air
IA-1-20211208	410-66301-2	Air
AA-1-20211208	410-66301-3	Air

Data validation was performed on the analytical data for three (3) air samples collected on December 8, 2021, by Brown and Caldwell Associates at the Bartlett Tree site in New York. The samples were analyzed under the Environmental Protection Agency (USEPA) "TO-15 Volatile Organic Compounds in Ambient Air".

Analysis	*Method References*
Volatile Organic Compounds	TO-15

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-31, Revision 6, September 2016, Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-I5;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

- Data Completeness
- Holding times and sample preservation
- Laboratory Control Sample (LCS) recoveries
- Matrix Spike Recoveries
- Method and field blank contamination
- Field Duplicates
- Initial and continuing calibration summaries
- Compound Quantitation
- Sample Comments and Quality Control Summaries

Overall Usability Issues:

Overall, the data is acceptable for the intended purposes. No analytical or quality issues were noted.

Holding Times

- All samples were analyzed within the method holding time.

Laboratory Control Samples (LCS)

- The LCS samples exhibited acceptable recoveries.

Matrix Spike Samples (MS)

- There was no MS analyzed with this dataset.

Field Blank

- There were no field blanks analyzed with this dataset.

Method Blank

- The method blanks were free of contamination.

Field Duplicate

- There were no field duplicates analyzed with this dataset.

Initial Calibration

- All percent relative standard deviation and/or correlation coefficient criteria were met.

Continuing Calibration

- All Percent Drift criteria were met with the follow exception:
    - The CCVs for vinyl chloride and bromomethane were above control limits; however, the associated samples were non-detect, and no qualification is required.

Compound Quantitation

- Laboratory qualifier, J, indicates an estimated value greater than or equal to the Method Detection Limit (MDL) and less than the Reporting Limit (RL).

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

Signed: Dated: January 12, 2022

Jaclyn Lauer, P.E.
Senior Engineer and 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 sample reporting 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

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	Class GA Groundwater Criteria			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
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	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
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	0.7 U

Analyte Group: 1-Volatiles	Class GA Groundwater Criteria			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
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	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
1,1-Dichloroethane	NE	5	UG/L		1 U	1 U	1 U	1 U	1 U	**1 J**	**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**	**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	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
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	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**	***19**
Dibromochloromethane	50	NE	UG/L		1 U	**2 J**	1 U	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**	**2 J**	0.8 U
Trichloroethene (TCE)	NE	5	UG/L		1 U	1 U	1 U	1 U	***86**	***120**	***110**	***120**	***31**

Analyte Group: 2-SVOCs	Class GA Groundwater Criteria			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
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	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
bis(2-Ethylhexyl)phthalate	NE	5	UG/L		2 U	2 U	NA	NA	2 U	2 U	2 U	NA	NA

Analyte Group: 4-Pesticides/Herbicides	Class GA Groundwater Criteria			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
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	Units	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
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	48 UJ
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	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	0.0047 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	0.0047 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	0.0047 U

TABLE 10
Groundwater Analytical Results
Remedial Investigation
Bartlett Tree Company Site
Westbury, New York

Analyte Group: 4-Pesticides/Herbicides	Class GA Groundwater Criteria			*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
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	*Units*	*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			*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
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	*Units*	*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: 5-Metals *Analyte Name*	Class GA Groundwater Criteria TOGS 1.1.1 Guidance	 NYS Part 703(1) Standard	 *Units*	*Location:* *SampleName:* *SampleDate:*	*MW-1S* *MW-1S* *10/27/08*	*MW-1S* *MW-1S* *04/09/09*	*MW-1S* *MW-1S* *03/23/10*	*MW-1S* *MW-1S* *05/22/12*	*MW-1D* *MW-1D* *10/27/08*	*MW-1D* *MW-1D* *04/09/09*	*MW-1D* *DUP-040909* *04/09/09*	*MW-1D* *MW-1D* *03/23/10*	*MW-1D* *MW-1D* *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
				SampleName:	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	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
				SampleName:	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	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
				SampleName:	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	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
				SampleName:	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	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			*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*
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	*Units*	*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			*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*
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	*Units*	*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: 5-Metals	Class GA Groundwater Criteria			*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*
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	*Units*	*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
				SampleName:	MW-3	DUP-102708	MW-3	MW-3	MW-3	MW-4	DUP032210	MW-4	MW-5	MW-5	DUP052112
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	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	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

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
				SampleName:	MW-3	DUP-102708	MW-3	MW-3	MW-3	MW-4	DUP032210	MW-4	MW-5	MW-5	DUP052112
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	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	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
1,1-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
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
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
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
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
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
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**
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**

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
				SampleName:	MW-3	DUP-102708	MW-3	MW-3	MW-3	MW-4	DUP032210	MW-4	MW-5	MW-5	DUP052112
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	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	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

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
				SampleName:	MW-3	DUP-102708	MW-3	MW-3	MW-3	MW-4	DUP032210	MW-4	MW-5	MW-5	DUP052112
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	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	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
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
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
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	**0.0053 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**

TABLE 10
Groundwater Analytical Results
Remedial Investigation
Bartlett Tree Company Site
Westbury, New York

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
				SampleName:	MW-3	DUP-102708	MW-3	MW-3	MW-3	MW-4	DUP032210	MW-4	MW-5	MW-5	DUP052112
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	*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	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			*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
Analyte Name	TOGS 1.1.1 Guidance	NYS Part 703(1) Standard	*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	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: 5-Metals *Analyte Name*	Class GA Groundwater Criteria TOGS 1.1.1 Guidance	 NYS Part 703(1) Standard	 *Units*	*Location:* *SampleName:* *SampleDate:*	*MW-3* *MW-3* *10/27/08*	*MW-3* *DUP-102708* *10/27/08*	*MW-3* *MW-3* *04/09/09*	*MW-3* *MW-3* *03/22/10*	*MW-3* *MW-3* *05/21/12*	*MW-4* *MW-4* *03/22/10*	*MW-4* *DUP032210* *03/22/10*	*MW-4* *MW-4* *05/22/12*	*MW-5* *MW-5* *03/22/10*	*MW-5* *MW-5* *05/21/12*	*MW-5* *DUP052112* *05/21/12*
Potassium	NE	NE	UG/L		**2780**	**2810**	**2310**	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NE	20000	UG/L		**15100**	**15300**	**18100**	NA	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	NA
Zinc	2000	NE	UG/L		8.1 U	8.1 U	8.1 U	NA	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: Field Data Sheets – Soil Vapor Intrusion Monitoring

12/07/21 Bartlett VI Sun 41

KW3

1035 PFP, BFT onsite
1040 move equipment to VI room
1050 Set up helium shroud / drill VI hole.
1100 Begin helium test
Helium in: 50%
Helium out: 0 PPM
PID (PPM): 0.2 PPM
1130 Set up Summa SV-1
Canister #1200
Regulator #
Flow rate = 6L/8H = 10.5 mL/min
1215 Begin PID Scan of basement

Product/Area	
Main office	0 PPM
Fuel Storage (case) (Inside)	0.5 PPM
" " (outside)	0 PPM
Power Tool Storage	0 PPM
Locker room	0 PPM
Chain Saw storage	0 PPM
Tool Storage room	0 PPM

Nitrogen fertilizer	0 PPM
Aquachem 90 (Adjuvant)	0 PPM
Nitrogen Liquid plant food	0 PPM
Diesel Exhaust fluid	0 PPM
Grease	0 PPM
Antifreeze	0 PPM
Isopropyl Alcohol	0 PPM
Diesel 0:1	0 PPM
Propane tank	0 PPM
Drill	0 PPM

1320 Pack up equipment
1330 PFP offsite to return hammer drill.

12/8/21 Bartlett UT clouds 37°

0630 PFP onsite

0645 set up IA-1 & AA-1
IA-1 is located at the South left corner of the basement on a desk.
AA-1 is located under the stairs leading to the main office area

0648 Start IA-1-2021208

Pressure	Temp	Humidity	Baro pressure
-30	60°F	50%	30.12

0650 Start AA-1-2021208

Pressure	Temp	Humidity	Baro pressure
-30	36°F	47%	30.12

0652 Start SV-1-2021208

Pressure	Temp	Humidity	Baro pressure
-30	60°F	50%	30.12

1203 STOP IA-1-2021208

Pressure	Temp	Humidity	Baro pressure
-3	60°F	40%	29.94

1510 STOP AA-1-2021208

Pressure	Temp	Humidity	Baro pressure
-14.	40°F	40%	29.94

1503 Stop SV-1-2021208

Pressure	Temp	Humidity	Baro Pressure
-4	60°f	40%	29.94

1530 Clean up, Patch floor, pack equipment

1545 PFP offsite

Brown AND Caldwell

Soil Vapor Sample Collection Field Form

Project: Bartlett VT Project #: 156884

Date: 12/08/21 Personnel: PFP

Sample ID: AA-1-20211208

Carbon Filter ID #: N/A

Sample location: Under Stairs Depth of sample point below grade: N/A

Rainfall: N/A Wind speed (mph) and direction: 2 mph NE

Start:

Time: 0650

Temperature (~~°C~~): ~~40~~ 36°F

Barometric Pressure (~~mmHg~~): 30.12 inHg

Relative Humidity (%): 47%

Flow rate: 10.~~5~~ mL/min

End:

Time: 1510

Temperature (~~°C~~): 40°F

Barometric Pressure (~~mmHg~~): 29.94 inHg

Relative Humidity (%): 40%

Flow rate: 10.5 mL/min

Helium tracer test: N/A

Tubing type used: Length of tubing (cm): Tubing volume (cc):

1 to 3 volumes purged @ < 200cc/min? YES NO

Chamber tracer gas conc.: Tracer gas conc. during purging:

Weather conditions during probe installation:

Temperature (~~°C~~): 36°F Rainfall: 0 Barometric Pressure (~~mmHG~~): 30.12 inHg

Wind direction: 2mph NE Wind speed (mph): 2 mph

Comments:

Brown AND Caldwell

Soil Vapor Sample Collection Field Form

Project: Bartlett VI Project #: 156884

Date: 12/08/21 Personnel: PFP

Sample ID: SV-1-20211208

Carbon Filter ID #: N/A

Sample location: Basement Depth of sample point below grade: 12"

Rainfall: N/A Wind speed (mph) and direction: N/A

Start:

Time: 0652

Temperature ~~(°C)~~: 60°F

Barometric Pressure ~~(mmHg)~~: 30.12 inHg

Relative Humidity (%): 50%

Flow rate: 10.5mL/min

End:

Time: 1503

Temperature ~~(°C)~~: 60°F

Barometric Pressure ~~(mmHg)~~: 29.94 inHg

Relative Humidity (%): 40%

Flow rate: 10.5mL/min

Helium tracer test:

Tubing type used: Poly Length of tubing (cm): 91 Tubing volume (cc): 173

1 to 3 volumes purged @ < 200cc/min? (YES) NO

Chamber tracer gas conc.: 50% Tracer gas conc. during purging: 0%

Weather conditions during probe installation:

Temperature ~~(°C)~~: 60°F Rainfall: N/A Barometric Pressure ~~(mmHG)~~: 30.17 inHg

Wind direction: N/A Wind speed (mph): N/A

Comments:

Brown AND Caldwell

Soil Vapor Sample Collection Field Form

Project: Bartlett VI Project #: 156884

Date: 12/08/21 Personnel: PFP

Sample ID: IA-1-20211208

Carbon Filter ID #: N/A

Sample location: Basement Depth of sample point below grade: N/A

Rainfall: N/A Wind speed (mph) and direction: N/A

Start:

Time: 0648

Temperature (~~°C~~): 60°F

Barometric Pressure (~~mmHg~~): 30.12 inHg

Relative Humidity (%): 47%

Flow rate: 10.5 mL/min

End:

Time: 1203

Temperature (°C): ~~60~~ 60°F

Barometric Pressure (mmHg): 29.94

Relative Humidity (%): 40

Flow rate: 10.5 mL/min

~~**Helium tracer test:**~~ N/A

Tubing type used: _____ Length of tubing (~~cm~~): _____ Tubing volume (cc): _____

1 to 3 volumes purged @ < 200cc/min? YES NO

Chamber tracer gas conc.: _____ Tracer gas conc. during purging: _____

Weather conditions during probe installation:

Temperature (~~°C~~): 60°F Rainfall: N/A Barometric Pressure (~~mmHG~~): 30.12 inHg

Wind direction: N/A Wind speed (mph): N/A

Comments:

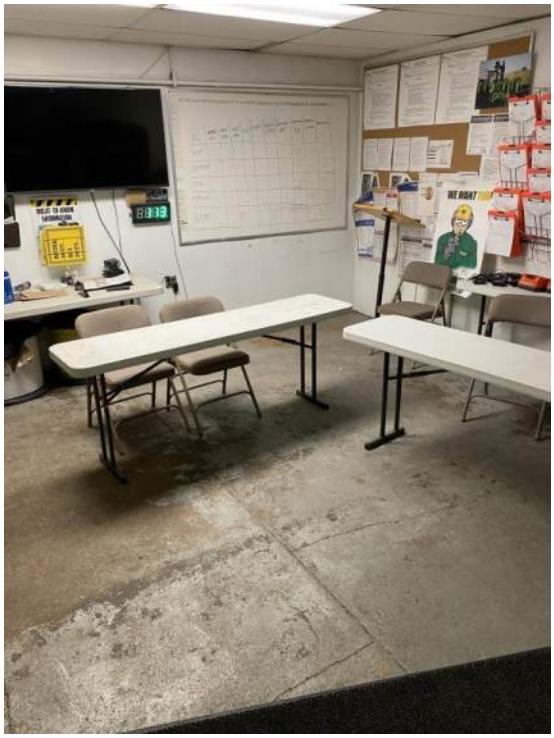
Appendix F: Photographic Log

Photograph #1 – Bartlett Tree Experts office/garage building, viewed looking north from Union Avenue.

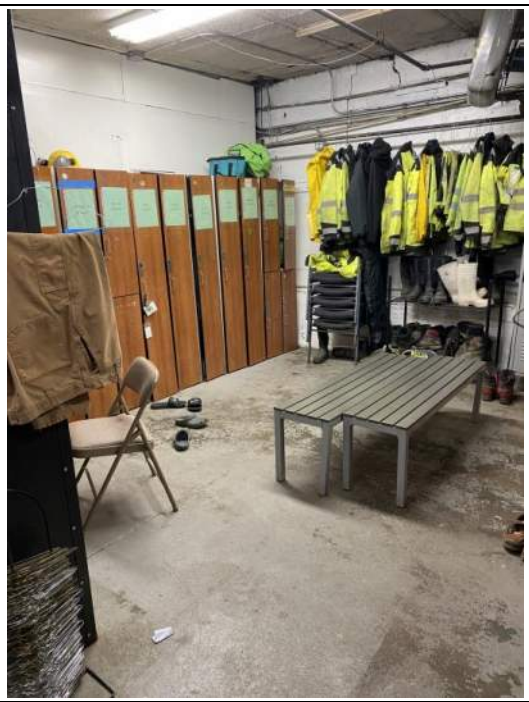
Photograph #2 – View looking north from Union Avenue along west side of the office/garage building.

Photograph #3 – View looking north along west side of the office/garage building.

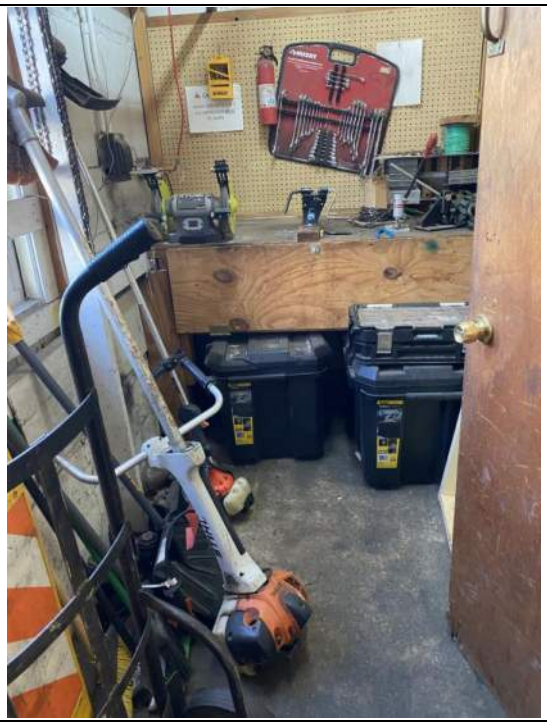
Photograph #4 – View looking southeast, north of the office/garage building. Newer secure storage locker for pesticides located at north end of the building.



Photograph #5 – Ground floor interior of the office/garage building.



Photograph #6 – Ground floor interior of office/garage building. Employee lockers and break area.



Photograph #7 – Ground floor interior of office/garage building. 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 office/garage building. Containers of liquid and solid plant fertilizer.

Photograph #10 – View of yard and parking area, looking north from office/garage building.

Photograph #11 – View of yard looking north along west property line. Protective concrete disc covering well vault for monitoring well MW-5.

Photograph #12 – Protective metal manhole covering well vault for monitoring well MW-3.

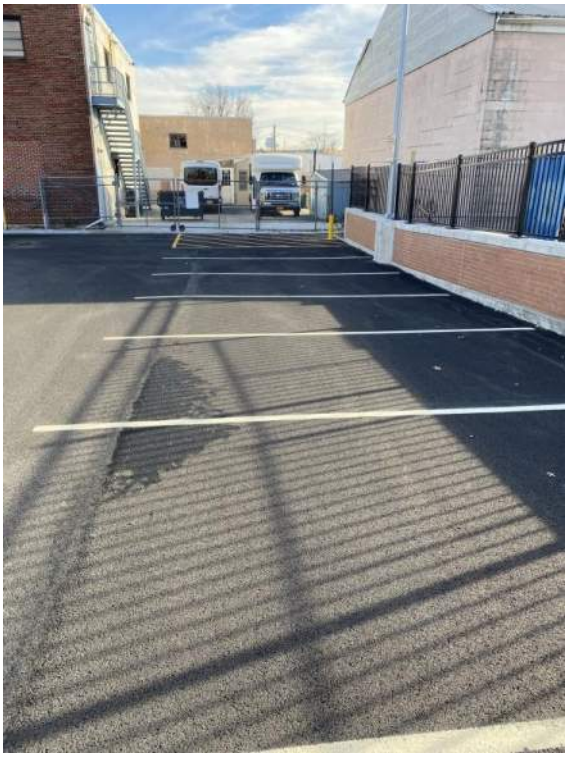
Photograph #13 – Protective concrete disc covering well vault for monitoring well MW-2D.

Photograph #14 – Older secure storage locker for pesticides located at northeast end of the property. Shipping container for work tools (blue container) – no pesticides stored in shipping container.

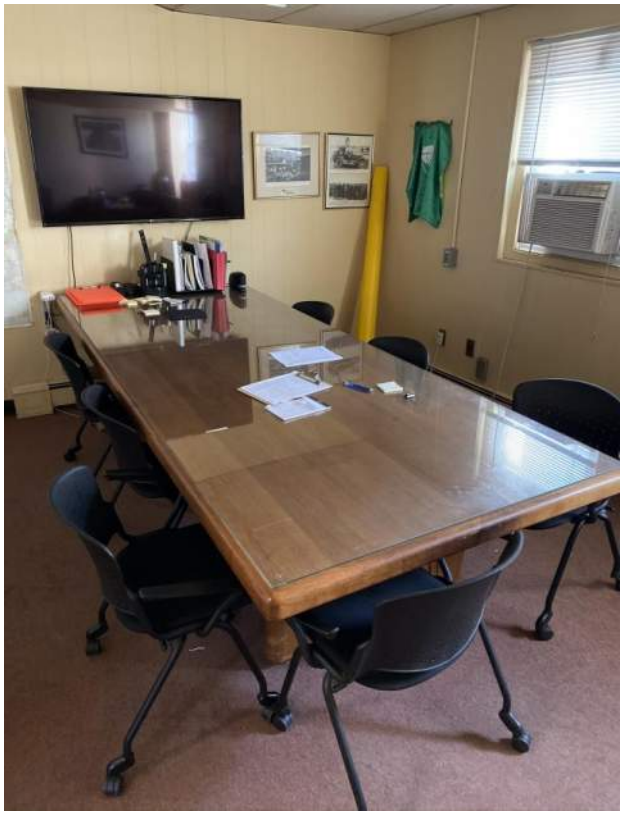
Photograph #15 -- Area of remaining subsurface soil contamination in vicinity of boring SB-7 (at orange field book). Original ground surface covered by aggregate.

Photograph #16 – Area of remaining subsurface soil contamination in vicinity of boring SB-6 (at orange field book). Original ground surface covered by aggregate.

Photograph #17 – Area of remaining subsurface soil contamination, vicinity of former test pit TP-2.. Area is covered by asphalt paving.



Photograph #18 – Area of MW-1D. Monitoring well paved over as part of construction on Village of Westbury Property. Bartlett property to the right of iron fence.



Photograph #19 – Second floor interior of the office/garage building. Conference room.

Photograph #20 – Second floor interior of the office/garage building. Office area.

Photograph #21 – Second floor interior of the office/garage building. Office area.

Appendix G: Pavement Inspection

The F.A. Bartlett Tree Expert Company

PERIODIC PAVEMENT AND SLAB INSPECTION

FACILITY	**345 Union Ave, Westbury, NY 11590**
INSPECTED BY	**Whitney E. Lewis**
DATE	**March 1, 2021**

On March 1, 2021, I inspected the existing pavement and concrete slabs for SB-6, SB-7, and TP-2 at 345 Union Ave, Westbury NY. There were no indications of any breaches of integrity. Photos have been attached.

The F.A. Bartlett Tree Expert Company

PERIODIC PAVEMENT AND SLAB INSPECTION

FACILITY	**345 Union Ave, Westbury, NY 11590**
INSPECTED BY	**Whitney E. Lewis**
DATE	**December 1, 2021**

On December 1, 2021, I inspected the existing pavement and concrete slabs for SB-6, SB-7, and TP-2 at 345 Union Ave, Westbury NY. There were no indications of any breaches of integrity. Photos have been attached.

Appendix H: Analytical Data Packages

ANALYTICAL REPORT

Job Number: 410-43723-1

Job Description: Bartlett Tree Site, NY

For:
Brown and Caldwell
3 Marcus Blvd
Suite 106
Albany, NY 12205

Attention: Mr. Brian F Taylor

Barb Weyandt

Approved for release.
Barbara A Weyandt
Project Manager
6/23/2021 9:09 AM

Barbara A Weyandt, Project Manager
2425 New Holland Pike, Lancaster, PA, 17601
(717)556-7264
Barbara.Weyandt@eurofinset.com
06/23/2021

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.

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

Job Number: 410-43723-1

Job Description: Bartlett Tree Site, NY

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.

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Job Narrative
410-43723-1

Receipt
The samples were received on 6/15/2021 5:03 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 1.1º C and 1.9º C.

Receipt Exceptions
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): FB-UF-20210614 (410-43723-9). The container labels list UF-20210614, while the COC lists FB-UF-20210614.

GC Semi VOA
Method 8081B: The DCB Decachlorobiphenyl (Surr) surrogate recovery for the following samples was outside acceptance limits (low biased) on the primary column: FB-F-20210614 (410-43723-10). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Method 8081B: The continuing calibration verification (CCV) associated with batch 410-140420 recovered above the upper control limit for p,p'-DDT, Methoxychlor and Toxaphene on one column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-3-UF-20210614 (410-43723-1), MW-3-F-20210614 (410-43723-2), MW-5-UF-20210614 (410-43723-3), MW-5-F-20210614 (410-43723-4), MW-4-UF-20210614 (410-43723-5), MW-4-F-20210614 (410-43723-6), MW-2D-UF-20210614 (410-43723-7), MW-2D-F-20210614 (410-43723-8), FB-UF-20210614 (410-43723-9), FB-F-20210614 (410-43723-10), DUP-UF-20210614 (410-43723-11) and DUP-F-20210614 (410-43723-12).

Method 8081B: The Tetrachloro-m-xylene (Surr) and DCB Decachlorobiphenyl (Surr) surrogate recovery for the blank associated with preparation batch 410-140241 and 410-140255 and analytical batch 410-140420 was outside the lower control limits. Since the surrogate recovery for the samples is within the limits, the data is reported.

Method 8081B: The following samples were diluted due to the nature of the sample matrix: MW-2D-UF-20210614 (410-43723-7) and DUP-UF-20210614 (410-43723-11). Elevated reporting limits (RLs) are provided.

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

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

Sample Summary

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

Job ID: 410-43723-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-43723-1	MW-3-UF-20210614	Ground Water	06/14/21 11:23	06/15/21 17:03	
410-43723-2	MW-3-F-20210614	Ground Water	06/14/21 11:26	06/15/21 17:03	
410-43723-3	MW-5-UF-20210614	Ground Water	06/14/21 11:28	06/15/21 17:03	
410-43723-4	MW-5-F-20210614	Ground Water	06/14/21 11:31	06/15/21 17:03	
410-43723-5	MW-4-UF-20210614	Ground Water	06/14/21 12:55	06/15/21 17:03	
410-43723-6	MW-4-F-20210614	Ground Water	06/14/21 12:58	06/15/21 17:03	
410-43723-7	MW-2D-UF-20210614	Ground Water	06/14/21 12:56	06/15/21 17:03	
410-43723-8	MW-2D-F-20210614	Ground Water	06/14/21 12:59	06/15/21 17:03	
410-43723-9	FB-UF-20210614	Water	06/14/21 13:25	06/15/21 17:03	
410-43723-10	FB-F-20210614	Water	06/14/21 13:28	06/15/21 17:03	
410-43723-11	DUP-UF-20210614	Ground Water	06/14/21 00:00	06/15/21 17:03	
410-43723-12	DUP-F-20210614	Ground Water	06/14/21 00:00	06/15/21 17:03	

Detection Summary

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

Job ID: 410-43723-1

Client Sample ID: MW-3-UF-20210614 — Lab Sample ID: 410-43723-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane (2C)	0.0096	J	0.020	0.0031	ug/L	1		8081B	Total/NA

Client Sample ID: MW-3-F-20210614 — Lab Sample ID: 410-43723-2

No Detections.

Client Sample ID: MW-5-UF-20210614 — Lab Sample ID: 410-43723-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (2C)	0.0078	J	0.030	0.0053	ug/L	1		8081B	Total/NA

Client Sample ID: MW-5-F-20210614 — Lab Sample ID: 410-43723-4

No Detections.

Client Sample ID: MW-4-UF-20210614 — Lab Sample ID: 410-43723-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane (2C)	0.025		0.020	0.0030	ug/L	1		8081B	Total/NA
beta-BHC (2C)	0.0039	J p	0.020	0.0034	ug/L	1		8081B	Total/NA
Dieldrin (2C)	0.73		0.030	0.0053	ug/L	1		8081B	Total/NA
Endosulfan I (2C)	0.0085	J p	0.020	0.0043	ug/L	1		8081B	Total/NA
Endosulfan sulfate (2C)	0.24		0.030	0.0058	ug/L	1		8081B	Total/NA
Endrin (2C)	0.024	J	0.030	0.0082	ug/L	1		8081B	Total/NA
Endrin ketone (2C)	0.017	J	0.030	0.0050	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane) (1C)	0.011	J	0.020	0.0020	ug/L	1		8081B	Total/NA
gamma-Chlordane (1C)	0.014	J p	0.040	0.0071	ug/L	1		8081B	Total/NA
Heptachlor epoxide (2C)	0.0070	J p	0.020	0.0023	ug/L	1		8081B	Total/NA
p,p'-DDD (2C)	0.0093	J p	0.030	0.0050	ug/L	1		8081B	Total/NA
p,p'-DDT (2C)	0.041	p	0.030	0.0052	ug/L	1		8081B	Total/NA

Client Sample ID: MW-4-F-20210614 — Lab Sample ID: 410-43723-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-BHC (2C)	0.013	J p	0.020	0.0030	ug/L	1		8081B	Dissolved
Dieldrin (1C)	0.012	J	0.030	0.0053	ug/L	1		8081B	Dissolved
gamma-BHC (Lindane) (1C)	0.0059	J	0.020	0.0020	ug/L	1		8081B	Dissolved

Client Sample ID: MW-2D-UF-20210614 — Lab Sample ID: 410-43723-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p,p'-DDD (2C)	0.18		0.16	0.026	ug/L	5		8081B	Total/NA
p,p'-DDE (2C)	0.083	J	0.16	0.026	ug/L	5		8081B	Total/NA

Client Sample ID: MW-2D-F-20210614 — Lab Sample ID: 410-43723-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aldrin (1C)	0.0054	J p	0.020	0.0020	ug/L	1		8081B	Dissolved
alpha-BHC (1C)	0.0048	J p	0.020	0.0030	ug/L	1		8081B	Dissolved
beta-BHC (2C)	0.0046	J p	0.020	0.0035	ug/L	1		8081B	Dissolved
p,p'-DDD (1C)	0.056		0.030	0.0051	ug/L	1		8081B	Dissolved
p,p'-DDE (2C)	0.023	J	0.030	0.0051	ug/L	1		8081B	Dissolved

Client Sample ID: FB-UF-20210614 — Lab Sample ID: 410-43723-9

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 410-43723-1

Client Sample ID: FB-F-20210614 — Lab Sample ID: 410-43723-10

No Detections.

Client Sample ID: DUP-UF-20210614 — Lab Sample ID: 410-43723-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-BHC (2C)	0.029	J p	0.10	0.015	ug/L	5		8081B	Total/NA
alpha-Chlordane (2C)	0.031	J	0.10	0.015	ug/L	5		8081B	Total/NA
Dieldrin (2C)	0.78		0.15	0.026	ug/L	5		8081B	Total/NA
Endosulfan sulfate (2C)	0.26		0.15	0.029	ug/L	5		8081B	Total/NA
gamma-BHC (Lindane) (1C)	0.014	J	0.10	0.010	ug/L	5		8081B	Total/NA
p,p'-DDT (2C)	0.047	J p	0.15	0.026	ug/L	5		8081B	Total/NA

Client Sample ID: DUP-F-20210614 — Lab Sample ID: 410-43723-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-BHC (2C)	0.014	J p	0.020	0.0030	ug/L	1		8081B	Dissolved
beta-BHC (1C)	0.0064	J B	0.020	0.0034	ug/L	1		8081B	Dissolved
Dieldrin (1C)	0.014	J	0.030	0.0053	ug/L	1		8081B	Dissolved
gamma-BHC (Lindane) (1C)	0.0097	J	0.020	0.0020	ug/L	1		8081B	Dissolved
p,p'-DDT (2C)	0.0061	J p	0.030	0.0052	ug/L	1		8081B	Dissolved

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Brown and Caldwell
Job ID: 410-43723-1
Project/Site: Bartlett Tree Site, NY

Method	Method Description	Protocol	Laboratory
8081B	Organochlorine Pesticides (GC)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
Filtration	Sample Filtration	None	ELLE

Protocol References:

None = None

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

Laboratory References:

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

Client Sample ID: MW-3-UF-20210614
Lab Sample ID: 410-43723-1

Date Collected: 06/14/21 11:23
Matrix: Ground Water
Date Received: 06/15/21 17:03

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 11:49	1
alpha-BHC (1C)	ND		0.020	0.0031	ug/L		06/21/21 16:30	06/22/21 11:49	1
alpha-Chlordane (2C)	**0.0096**	**J**	0.020	0.0031	ug/L		06/21/21 16:30	06/22/21 11:49	1
beta-BHC (2C)	ND		0.020	0.0035	ug/L		06/21/21 16:30	06/22/21 11:49	1
delta-BHC (1C)	ND		0.020	0.0035	ug/L		06/21/21 16:30	06/22/21 11:49	1
Dieldrin (1C)	ND		0.031	0.0054	ug/L		06/21/21 16:30	06/22/21 11:49	1
Endosulfan I (1C)	ND		0.020	0.0044	ug/L		06/21/21 16:30	06/22/21 11:49	1
Endosulfan II (1C)	ND		0.041	0.015	ug/L		06/21/21 16:30	06/22/21 11:49	1
Endosulfan sulfate (1C)	ND		0.031	0.0059	ug/L		06/21/21 16:30	06/22/21 11:49	1
Endrin (1C)	ND		0.031	0.0082	ug/L		06/21/21 16:30	06/22/21 11:49	1
Endrin aldehyde (1C)	ND	F2	0.10	0.020	ug/L		06/21/21 16:30	06/22/21 11:49	1
Endrin ketone (1C)	ND		0.031	0.0051	ug/L		06/21/21 16:30	06/22/21 11:49	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 11:49	1
gamma-Chlordane (1C)	ND		0.041	0.0071	ug/L		06/21/21 16:30	06/22/21 11:49	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 11:49	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		06/21/21 16:30	06/22/21 11:49	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		06/21/21 16:30	06/22/21 11:49	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		06/21/21 16:30	06/22/21 11:49	1
p,p'-DDD (1C)	ND		0.031	0.0051	ug/L		06/21/21 16:30	06/22/21 11:49	1
p,p'-DDE (1C)	ND		0.031	0.0051	ug/L		06/21/21 16:30	06/22/21 11:49	1
p,p'-DDT (1C)	ND		0.031	0.0053	ug/L		06/21/21 16:30	06/22/21 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*104*		*32 - 149*	*06/21/21 16:30*	*06/22/21 11:49*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*100*		*32 - 149*	*06/21/21 16:30*	*06/22/21 11:49*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*75*		*29 - 129*	*06/21/21 16:30*	*06/22/21 11:49*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*74*		*29 - 129*	*06/21/21 16:30*	*06/22/21 11:49*	*1*

Client Sample ID: MW-3-F-20210614
Lab Sample ID: 410-43723-2

Date Collected: 06/14/21 11:26
Matrix: Ground Water
Date Received: 06/15/21 17:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 09:47	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 09:47	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 09:47	1
beta-BHC (2C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 09:47	1
delta-BHC (2C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 09:47	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		06/21/21 16:30	06/22/21 09:47	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		06/21/21 16:30	06/22/21 09:47	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		06/21/21 16:30	06/22/21 09:47	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		06/21/21 16:30	06/22/21 09:47	1
Endrin (1C)	ND		0.030	0.0081	ug/L		06/21/21 16:30	06/22/21 09:47	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		06/21/21 16:30	06/22/21 09:47	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 09:47	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 09:47	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		06/21/21 16:30	06/22/21 09:47	1
Heptachlor (1C)	ND	F1 UJ-RC:4L	0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 09:47	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		06/21/21 16:30	06/22/21 09:47	1

Client Sample ID: MW-3-F-20210614
Lab Sample ID: 410-43723-2

Date Collected: 06/14/21 11:26
Matrix: Ground Water
Date Received: 06/15/21 17:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.11	0.030	ug/L		06/21/21 16:30	06/22/21 09:47	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		06/21/21 16:30	06/22/21 09:47	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 09:47	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 09:47	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		06/21/21 16:30	06/22/21 09:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*92*		*32 - 149*	*06/21/21 16:30*	*06/22/21 09:47*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*91*		*32 - 149*	*06/21/21 16:30*	*06/22/21 09:47*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*57*		*29 - 129*	*06/21/21 16:30*	*06/22/21 09:47*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*56*		*29 - 129*	*06/21/21 16:30*	*06/22/21 09:47*	*1*

Client Sample ID: MW-5-UF-20210614
Lab Sample ID: 410-43723-3

Date Collected: 06/14/21 11:28
Matrix: Ground Water
Date Received: 06/15/21 17:03

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 12:02	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 12:02	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 12:02	1
beta-BHC (2C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 12:02	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 12:02	1
Dieldrin (2C)	**0.0078**	**J**	0.030	0.0053	ug/L		06/21/21 16:30	06/22/21 12:02	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		06/21/21 16:30	06/22/21 12:02	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		06/21/21 16:30	06/22/21 12:02	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		06/21/21 16:30	06/22/21 12:02	1
Endrin (1C)	ND		0.030	0.0081	ug/L		06/21/21 16:30	06/22/21 12:02	1
Endrin aldehyde (2C)	ND		0.10	0.020	ug/L		06/21/21 16:30	06/22/21 12:02	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 12:02	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 12:02	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		06/21/21 16:30	06/22/21 12:02	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 12:02	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		06/21/21 16:30	06/22/21 12:02	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		06/21/21 16:30	06/22/21 12:02	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		06/21/21 16:30	06/22/21 12:02	1
p,p'-DDD (2C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 12:02	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 12:02	1
p,p'-DDT (2C)	ND		0.030	0.0052	ug/L		06/21/21 16:30	06/22/21 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*93*		*32 - 149*	*06/21/21 16:30*	*06/22/21 12:02*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*92*		*32 - 149*	*06/21/21 16:30*	*06/22/21 12:02*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*60*		*29 - 129*	*06/21/21 16:30*	*06/22/21 12:02*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*60*		*29 - 129*	*06/21/21 16:30*	*06/22/21 12:02*	*1*

Client Sample ID: MW-5-F-20210614

Date Collected: 06/14/21 11:31
Date Received: 06/15/21 17:03

Lab Sample ID: 410-43723-4

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 10:00	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 10:00	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 10:00	1
beta-BHC (2C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 10:00	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 10:00	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		06/21/21 16:30	06/22/21 10:00	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		06/21/21 16:30	06/22/21 10:00	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		06/21/21 16:30	06/22/21 10:00	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		06/21/21 16:30	06/22/21 10:00	1
Endrin (1C)	ND		0.030	0.0081	ug/L		06/21/21 16:30	06/22/21 10:00	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		06/21/21 16:30	06/22/21 10:00	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 10:00	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 10:00	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		06/21/21 16:30	06/22/21 10:00	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 10:00	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		06/21/21 16:30	06/22/21 10:00	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		06/21/21 16:30	06/22/21 10:00	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		06/21/21 16:30	06/22/21 10:00	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 10:00	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 10:00	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		06/21/21 16:30	06/22/21 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*86*		*32 - 149*	*06/21/21 16:30*	*06/22/21 10:00*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*84*		*32 - 149*	*06/21/21 16:30*	*06/22/21 10:00*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*49*		*29 - 129*	*06/21/21 16:30*	*06/22/21 10:00*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*47*		*29 - 129*	*06/21/21 16:30*	*06/22/21 10:00*	*1*

Client Sample ID: MW-4-UF-20210614

Date Collected: 06/14/21 12:55
Date Received: 06/15/21 17:03

Lab Sample ID: 410-43723-5

Matrix: Ground Water

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 12:14	1
alpha-BHC (2C)	ND	p U-RC:P	0.026	0.026	ug/L		06/21/21 16:30	06/22/21 12:14	1
alpha-Chlordane (2C)	**0.025**	J-RC:P	0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 12:14	1
beta-BHC (2C)	**0.0039**	**J p** U-RC:P	0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 12:14	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 12:14	1
Dieldrin (2C)	**0.73**		0.030	0.0053	ug/L		06/21/21 16:30	06/22/21 12:14	1
Endosulfan I (2C)	**0.0085**	**J p** U-RC:P	0.020	0.0043	ug/L		06/21/21 16:30	06/22/21 12:14	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		06/21/21 16:30	06/22/21 12:14	1
Endosulfan sulfate (2C)	**0.24**		0.030	0.0058	ug/L		06/21/21 16:30	06/22/21 12:14	1
Endrin (2C)	**0.024**	**J**	0.030	0.0082	ug/L		06/21/21 16:30	06/22/21 12:14	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		06/21/21 16:30	06/22/21 12:14	1
Endrin ketone (2C)	**0.017**	**J**	0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 12:14	1
gamma-BHC (Lindane) (1C)	**0.011**	**J**	0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 12:14	1
gamma-Chlordane (1C)	**0.014**	**J p** U-RC:P	0.040	0.0071	ug/L		06/21/21 16:30	06/22/21 12:14	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 12:14	1
Heptachlor epoxide (2C)	**0.0070**	**J p** U-RC:P	0.020	0.0023	ug/L		06/21/21 16:30	06/22/21 12:14	1

Client Sample ID: MW-4-UF-20210614
Lab Sample ID: 410-43723-5

Date Collected: 06/14/21 12:55
Matrix: Ground Water
Date Received: 06/15/21 17:03

Method: 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		06/21/21 16:30	06/22/21 12:14	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		06/21/21 16:30	06/22/21 12:14	1
p,p'-DDD (2C)	**0.0093**	**J p** U-RC:P	0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 12:14	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 12:14	1
p,p'-DDT (2C)	**0.041**	**p** J-RC:P	0.030	0.0052	ug/L		06/21/21 16:30	06/22/21 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*88*		*32 - 149*	*06/21/21 16:30*	*06/22/21 12:14*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*89*		*32 - 149*	*06/21/21 16:30*	*06/22/21 12:14*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*62*		*29 - 129*	*06/21/21 16:30*	*06/22/21 12:14*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*58*		*29 - 129*	*06/21/21 16:30*	*06/22/21 12:14*	*1*

Client Sample ID: MW-4-F-20210614
Lab Sample ID: 410-43723-6

Date Collected: 06/14/21 12:58
Matrix: Ground Water
Date Received: 06/15/21 17:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 10:12	1
alpha-BHC (2C)	**0.013**	**J p** U-RC:P	0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 10:12	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 10:12	1
beta-BHC (2C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 10:12	1
delta-BHC (2C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 10:12	1
Dieldrin (1C)	**0.012**	**J**	0.030	0.0053	ug/L		06/21/21 16:30	06/22/21 10:12	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		06/21/21 16:30	06/22/21 10:12	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		06/21/21 16:30	06/22/21 10:12	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		06/21/21 16:30	06/22/21 10:12	1
Endrin (1C)	ND		0.030	0.0081	ug/L		06/21/21 16:30	06/22/21 10:12	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		06/21/21 16:30	06/22/21 10:12	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 10:12	1
gamma-BHC (Lindane) (1C)	**0.0059**	**J**	0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 10:12	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		06/21/21 16:30	06/22/21 10:12	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 10:12	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		06/21/21 16:30	06/22/21 10:12	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		06/21/21 16:30	06/22/21 10:12	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		06/21/21 16:30	06/22/21 10:12	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 10:12	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 10:12	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		06/21/21 16:30	06/22/21 10:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*96*		*32 - 149*	*06/21/21 16:30*	*06/22/21 10:12*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*101*		*32 - 149*	*06/21/21 16:30*	*06/22/21 10:12*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*54*		*29 - 129*	*06/21/21 16:30*	*06/22/21 10:12*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*55*		*29 - 129*	*06/21/21 16:30*	*06/22/21 10:12*	*1*

Client Sample ID: MW-2D-UF-20210614
Lab Sample ID: 410-43723-7

Date Collected: 06/14/21 12:56
Matrix: Ground Water
Date Received: 06/15/21 17:03

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.11	0.011	ug/L		06/21/21 16:30	06/22/21 12:26	5
alpha-BHC (1C)	ND		0.11	0.016	ug/L		06/21/21 16:30	06/22/21 12:26	5
alpha-Chlordane (1C)	ND		0.11	0.016	ug/L		06/21/21 16:30	06/22/21 12:26	5
beta-BHC (1C)	ND		0.11	0.018	ug/L		06/21/21 16:30	06/22/21 12:26	5
delta-BHC (1C)	ND		0.11	0.018	ug/L		06/21/21 16:30	06/22/21 12:26	5
Dieldrin (1C)	ND		0.16	0.028	ug/L		06/21/21 16:30	06/22/21 12:26	5
Endosulfan I (1C)	ND		0.11	0.023	ug/L		06/21/21 16:30	06/22/21 12:26	5
Endosulfan II (1C)	ND		0.21	0.079	ug/L		06/21/21 16:30	06/22/21 12:26	5
Endosulfan sulfate (1C)	ND		0.16	0.031	ug/L		06/21/21 16:30	06/22/21 12:26	5
Endrin (1C)	ND		0.16	0.043	ug/L		06/21/21 16:30	06/22/21 12:26	5
Endrin aldehyde (1C)	ND		0.53	0.11	ug/L		06/21/21 16:30	06/22/21 12:26	5
Endrin ketone (1C)	ND		0.16	0.026	ug/L		06/21/21 16:30	06/22/21 12:26	5
gamma-BHC (Lindane) (1C)	ND		0.11	0.011	ug/L		06/21/21 16:30	06/22/21 12:26	5
gamma-Chlordane (1C)	ND		0.21	0.037	ug/L		06/21/21 16:30	06/22/21 12:26	5
Heptachlor (1C)	ND		0.11	0.011	ug/L		06/21/21 16:30	06/22/21 12:26	5
Heptachlor epoxide (1C)	ND		0.11	0.012	ug/L		06/21/21 16:30	06/22/21 12:26	5
Methoxychlor (1C)	ND		0.58	0.16	ug/L		06/21/21 16:30	06/22/21 12:26	5
Toxaphene (1C)	ND		5.3	1.6	ug/L		06/21/21 16:30	06/22/21 12:26	5
p,p'-DDD (2C)	**0.18**		0.16	0.026	ug/L		06/21/21 16:30	06/22/21 12:26	5
p,p'-DDE (2C)	**0.083**	**J**	0.16	0.026	ug/L		06/21/21 16:30	06/22/21 12:26	5
p,p'-DDT (2C)	ND		0.16	0.027	ug/L		06/21/21 16:30	06/22/21 12:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*52*		*32 - 149*	*06/21/21 16:30*	*06/22/21 12:26*	*5*
DCB Decachlorobiphenyl (Surr) (2C)	*57*		*32 - 149*	*06/21/21 16:30*	*06/22/21 12:26*	*5*
Tetrachloro-m-xylene (Surr) (1C)	*47*		*29 - 129*	*06/21/21 16:30*	*06/22/21 12:26*	*5*
Tetrachloro-m-xylene (Surr) (2C)	*48*		*29 - 129*	*06/21/21 16:30*	*06/22/21 12:26*	*5*

Client Sample ID: MW-2D-F-20210614
Lab Sample ID: 410-43723-8

Date Collected: 06/14/21 12:59
Matrix: Ground Water
Date Received: 06/15/21 17:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	**0.0054**	**J p** U-RC:P	0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 10:24	1
alpha-BHC (1C)	**0.0048**	**J p** U-RC:P	0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 10:24	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 10:24	1
beta-BHC (2C)	**0.0046**	**J p** U-RC:P	0.020	0.0035	ug/L		06/21/21 16:30	06/22/21 10:24	1
delta-BHC (2C)	ND		0.020	0.0035	ug/L		06/21/21 16:30	06/22/21 10:24	1
Dieldrin (1C)	ND		0.030	0.0054	ug/L		06/21/21 16:30	06/22/21 10:24	1
Endosulfan I (1C)	ND		0.020	0.0044	ug/L		06/21/21 16:30	06/22/21 10:24	1
Endosulfan II (1C)	ND		0.041	0.015	ug/L		06/21/21 16:30	06/22/21 10:24	1
Endosulfan sulfate (1C)	ND		0.030	0.0059	ug/L		06/21/21 16:30	06/22/21 10:24	1
Endrin (1C)	ND		0.030	0.0082	ug/L		06/21/21 16:30	06/22/21 10:24	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		06/21/21 16:30	06/22/21 10:24	1
Endrin ketone (1C)	ND		0.030	0.0051	ug/L		06/21/21 16:30	06/22/21 10:24	1
gamma-BHC (Lindane) (2C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 10:24	1
gamma-Chlordane (2C)	ND		0.041	0.0071	ug/L		06/21/21 16:30	06/22/21 10:24	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 10:24	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		06/21/21 16:30	06/22/21 10:24	1

Client Sample ID: MW-2D-F-20210614
Lab Sample ID: 410-43723-8

Date Collected: 06/14/21 12:59
Matrix: Ground Water
Date Received: 06/15/21 17:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.11	0.030	ug/L		06/21/21 16:30	06/22/21 10:24	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		06/21/21 16:30	06/22/21 10:24	1
p,p'-DDD (1C)	**0.056**		0.030	0.0051	ug/L		06/21/21 16:30	06/22/21 10:24	1
p,p'-DDE (2C)	**0.023**	**J**	0.030	0.0051	ug/L		06/21/21 16:30	06/22/21 10:24	1
p,p'-DDT (2C)	ND		0.030	0.0053	ug/L		06/21/21 16:30	06/22/21 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*66*		*32 - 149*	*06/21/21 16:30*	*06/22/21 10:24*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*67*		*32 - 149*	*06/21/21 16:30*	*06/22/21 10:24*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*53*		*29 - 129*	*06/21/21 16:30*	*06/22/21 10:24*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*54*		*29 - 129*	*06/21/21 16:30*	*06/22/21 10:24*	*1*

Client Sample ID: FB-UF-20210614
Lab Sample ID: 410-43723-9

Date Collected: 06/14/21 13:25
Matrix: Water
Date Received: 06/15/21 17:03

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.021	0.0021	ug/L		06/21/21 16:30	06/22/21 12:38	1
alpha-BHC (1C)	ND		0.021	0.0031	ug/L		06/21/21 16:30	06/22/21 12:38	1
alpha-Chlordane (1C)	ND		0.021	0.0031	ug/L		06/21/21 16:30	06/22/21 12:38	1
beta-BHC (2C)	ND		0.021	0.0036	ug/L		06/21/21 16:30	06/22/21 12:38	1
delta-BHC (1C)	ND		0.021	0.0036	ug/L		06/21/21 16:30	06/22/21 12:38	1
Dieldrin (1C)	ND		0.031	0.0056	ug/L		06/21/21 16:30	06/22/21 12:38	1
Endosulfan I (1C)	ND		0.021	0.0045	ug/L		06/21/21 16:30	06/22/21 12:38	1
Endosulfan II (1C)	ND		0.042	0.016	ug/L		06/21/21 16:30	06/22/21 12:38	1
Endosulfan sulfate (1C)	ND		0.031	0.0061	ug/L		06/21/21 16:30	06/22/21 12:38	1
Endrin (1C)	ND		0.031	0.0085	ug/L		06/21/21 16:30	06/22/21 12:38	1
Endrin aldehyde (2C)	ND		0.10	0.021	ug/L		06/21/21 16:30	06/22/21 12:38	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		06/21/21 16:30	06/22/21 12:38	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		06/21/21 16:30	06/22/21 12:38	1
gamma-Chlordane (1C)	ND		0.042	0.0073	ug/L		06/21/21 16:30	06/22/21 12:38	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		06/21/21 16:30	06/22/21 12:38	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		06/21/21 16:30	06/22/21 12:38	1
Methoxychlor (1C)	ND		0.12	0.031	ug/L		06/21/21 16:30	06/22/21 12:38	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		06/21/21 16:30	06/22/21 12:38	1
p,p'-DDD (1C)	ND		0.031	0.0052	ug/L		06/21/21 16:30	06/22/21 12:38	1
p,p'-DDE (1C)	ND		0.031	0.0052	ug/L		06/21/21 16:30	06/22/21 12:38	1
p,p'-DDT (2C)	ND		0.031	0.0055	ug/L		06/21/21 16:30	06/22/21 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*56*		*32 - 149*	*06/21/21 16:30*	*06/22/21 12:38*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*57*		*32 - 149*	*06/21/21 16:30*	*06/22/21 12:38*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*55*		*29 - 129*	*06/21/21 16:30*	*06/22/21 12:38*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*55*		*29 - 129*	*06/21/21 16:30*	*06/22/21 12:38*	*1*

Client Sample ID: FB-F-20210614
Lab Sample ID: 410-43723-10

Date Collected: 06/14/21 13:28
Matrix: Water
Date Received: 06/15/21 17:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.022	0.0022	ug/L		06/21/21 16:30	06/22/21 10:36	1
alpha-BHC (1C)	ND		0.022	0.0033	ug/L		06/21/21 16:30	06/22/21 10:36	1
alpha-Chlordane (1C)	ND		0.022	0.0033	ug/L		06/21/21 16:30	06/22/21 10:36	1
beta-BHC (1C)	ND		0.022	0.0037	ug/L		06/21/21 16:30	06/22/21 10:36	1
delta-BHC (1C)	ND		0.022	0.0037	ug/L		06/21/21 16:30	06/22/21 10:36	1
Dieldrin (1C)	ND		0.033	0.0058	ug/L		06/21/21 16:30	06/22/21 10:36	1
Endosulfan I (1C)	ND		0.022	0.0047	ug/L		06/21/21 16:30	06/22/21 10:36	1
Endosulfan II (1C)	ND		0.044	0.016	ug/L		06/21/21 16:30	06/22/21 10:36	1
Endosulfan sulfate (1C)	ND		0.033	0.0063	ug/L		06/21/21 16:30	06/22/21 10:36	1
Endrin (1C)	ND		0.033	0.0088	ug/L		06/21/21 16:30	06/22/21 10:36	1
Endrin aldehyde (1C)	ND		0.11	0.022	ug/L		06/21/21 16:30	06/22/21 10:36	1
Endrin ketone (1C)	ND		0.033	0.0054	ug/L		06/21/21 16:30	06/22/21 10:36	1
gamma-BHC (Lindane) (1C)	ND		0.022	0.0022	ug/L		06/21/21 16:30	06/22/21 10:36	1
gamma-Chlordane (1C)	ND		0.044	0.0076	ug/L		06/21/21 16:30	06/22/21 10:36	1
Heptachlor (2C)	ND		0.022	0.0022	ug/L		06/21/21 16:30	06/22/21 10:36	1
Heptachlor epoxide (1C)	ND		0.022	0.0025	ug/L		06/21/21 16:30	06/22/21 10:36	1
Methoxychlor (1C)	ND		0.12	0.033	ug/L		06/21/21 16:30	06/22/21 10:36	1
Toxaphene (1C)	ND		1.1	0.33	ug/L		06/21/21 16:30	06/22/21 10:36	1
p,p'-DDD (1C)	ND		0.033	0.0054	ug/L		06/21/21 16:30	06/22/21 10:36	1
p,p'-DDE (1C)	ND		0.033	0.0054	ug/L		06/21/21 16:30	06/22/21 10:36	1
p,p'-DDT (2C)	ND		0.033	0.0057	ug/L		06/21/21 16:30	06/22/21 10:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*31*	*S1-*	*32 - 149*	*06/21/21 16:30*	*06/22/21 10:36*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*32*		*32 - 149*	*06/21/21 16:30*	*06/22/21 10:36*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*57*		*29 - 129*	*06/21/21 16:30*	*06/22/21 10:36*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*58*		*29 - 129*	*06/21/21 16:30*	*06/22/21 10:36*	*1*

Client Sample ID: DUP-UF-20210614
Lab Sample ID: 410-43723-11

Date Collected: 06/14/21 00:00
Matrix: Ground Water
Date Received: 06/15/21 17:03

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.10	0.010	ug/L		06/21/21 16:30	06/22/21 12:50	5
alpha-BHC (2C)	**0.029**	**J p** U-RC:P	0.10	0.015	ug/L		06/21/21 16:30	06/22/21 12:50	5
alpha-Chlordane (2C)	**0.031**	**J**	0.10	0.015	ug/L		06/21/21 16:30	06/22/21 12:50	5
beta-BHC (2C)	ND		0.10	0.017	ug/L		06/21/21 16:30	06/22/21 12:50	5
delta-BHC (1C)	ND		0.10	0.017	ug/L		06/21/21 16:30	06/22/21 12:50	5
Dieldrin (2C)	**0.78**		0.15	0.026	ug/L		06/21/21 16:30	06/22/21 12:50	5
Endosulfan I (1C)	ND		0.10	0.021	ug/L		06/21/21 16:30	06/22/21 12:50	5
Endosulfan II (1C)	ND		0.20	0.075	ug/L		06/21/21 16:30	06/22/21 12:50	5
Endosulfan sulfate (2C)	**0.26**		0.15	0.029	ug/L		06/21/21 16:30	06/22/21 12:50	5
Endrin (1C)	ND		0.15	0.040	ug/L		06/21/21 16:30	06/22/21 12:50	5
Endrin aldehyde (1C)	ND		0.50	0.10	ug/L		06/21/21 16:30	06/22/21 12:50	5
Endrin ketone (1C)	ND		0.15	0.025	ug/L		06/21/21 16:30	06/22/21 12:50	5
gamma-BHC (Lindane) (1C)	**0.014**	**J**	0.10	0.010	ug/L		06/21/21 16:30	06/22/21 12:50	5
gamma-Chlordane (1C)	ND		0.20	0.035	ug/L		06/21/21 16:30	06/22/21 12:50	5
Heptachlor (1C)	ND		0.10	0.010	ug/L		06/21/21 16:30	06/22/21 12:50	5
Heptachlor epoxide (2C)	ND		0.10	0.011	ug/L		06/21/21 16:30	06/22/21 12:50	5

Client Sample ID: DUP-UF-20210614
Lab Sample ID: 410-43723-11

Date Collected: 06/14/21 00:00
Matrix: Ground Water
Date Received: 06/15/21 17:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.55	0.15	ug/L		06/21/21 16:30	06/22/21 12:50	5
Toxaphene (1C)	ND		5.0	1.5	ug/L		06/21/21 16:30	06/22/21 12:50	5
p,p'-DDD (2C)	ND		0.15	0.025	ug/L		06/21/21 16:30	06/22/21 12:50	5
p,p'-DDE (1C)	ND		0.15	0.025	ug/L		06/21/21 16:30	06/22/21 12:50	5
p,p'-DDT (2C)	**0.047**	**J p** U-RC:P	0.15	0.026	ug/L		06/21/21 16:30	06/22/21 12:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*100*		*32 - 149*	*06/21/21 16:30*	*06/22/21 12:50*	*5*
DCB Decachlorobiphenyl (Surr) (2C)	*108*		*32 - 149*	*06/21/21 16:30*	*06/22/21 12:50*	*5*
Tetrachloro-m-xylene (Surr) (1C)	*73*		*29 - 129*	*06/21/21 16:30*	*06/22/21 12:50*	*5*
Tetrachloro-m-xylene (Surr) (2C)	*66*		*29 - 129*	*06/21/21 16:30*	*06/22/21 12:50*	*5*

Client Sample ID: DUP-F-20210614
Lab Sample ID: 410-43723-12

Date Collected: 06/14/21 00:00
Matrix: Ground Water
Date Received: 06/15/21 17:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 10:48	1
alpha-BHC (2C)	**0.014**	**J p** U-RC:P	0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 10:48	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 10:48	1
beta-BHC (1C)	**0.0064**	**J B**	0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 10:48	1
delta-BHC (2C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 10:48	1
Dieldrin (1C)	**0.014**	**J**	0.030	0.0053	ug/L		06/21/21 16:30	06/22/21 10:48	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		06/21/21 16:30	06/22/21 10:48	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		06/21/21 16:30	06/22/21 10:48	1
Endosulfan sulfate (2C)	ND		0.030	0.0058	ug/L		06/21/21 16:30	06/22/21 10:48	1
Endrin (1C)	ND		0.030	0.0081	ug/L		06/21/21 16:30	06/22/21 10:48	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		06/21/21 16:30	06/22/21 10:48	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 10:48	1
gamma-BHC (Lindane) (1C)	**0.0097**	**J**	0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 10:48	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		06/21/21 16:30	06/22/21 10:48	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 10:48	1
Heptachlor epoxide (2C)	ND		0.020	0.0023	ug/L		06/21/21 16:30	06/22/21 10:48	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		06/21/21 16:30	06/22/21 10:48	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		06/21/21 16:30	06/22/21 10:48	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 10:48	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 10:48	1
p,p'-DDT (2C)	**0.0061**	**J p** U-RC:P	0.030	0.0052	ug/L		06/21/21 16:30	06/22/21 10:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*93*		*32 - 149*	*06/21/21 16:30*	*06/22/21 10:48*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*96*		*32 - 149*	*06/21/21 16:30*	*06/22/21 10:48*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*53*		*29 - 129*	*06/21/21 16:30*	*06/22/21 10:48*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*54*		*29 - 129*	*06/21/21 16:30*	*06/22/21 10:48*	*1*

Surrogate Summary

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

Job ID: 410-43723-1

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(32-149)	(32-149)	(29-129)	(29-129)
410-43723-1	MW-3-UF-20210614	104	100	75	74
410-43723-1 MS	MW-3-UF-20210614	90	90	65	64
410-43723-1 MSD	MW-3-UF-20210614	107	105	77	75
410-43723-3	MW-5-UF-20210614	93	92	60	60
410-43723-5	MW-4-UF-20210614	88	89	62	58
410-43723-7	MW-2D-UF-20210614	52	57	47	48
410-43723-11	DUP-UF-20210614	100	108	73	66

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Ground Water — **Prep Type: Dissolved**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(32-149)	(32-149)	(29-129)	(29-129)
410-43723-2	MW-3-F-20210614	92	91	57	56
410-43723-2 MS	MW-3-F-20210614	93	94	66	65
410-43723-2 MSD	MW-3-F-20210614	93	94	60	59
410-43723-4	MW-5-F-20210614	86	84	49	47
410-43723-6	MW-4-F-20210614	96	101	54	55
410-43723-8	MW-2D-F-20210614	66	67	53	54
410-43723-12	DUP-F-20210614	93	96	53	54

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(32-149)	(32-149)	(29-129)	(29-129)
410-43723-9	FB-UF-20210614	56	57	55	55
LCS 410-140248/2-A	Lab Control Sample	46	48	64	63
LCS 410-140255/2-A	Lab Control Sample	43	44	56	55
MB 410-140248/1-A	Method Blank	99	100	43	41
MB 410-140255/1-A	Method Blank	29 S1-	29 S1-	20 S1-	19 S1-

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Surrogate Summary

Client: Brown and Caldwell
Job ID: 410-43723-1
Project/Site: Bartlett Tree Site, NY

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water
Prep Type: Dissolved

		Percent Surrogate Recovery (Acceptance Limits)							
		DCB1	DCB2	TCX1	TCX2				
Lab Sample ID	Client Sample ID	(32-149)	(32-149)	(29-129)	(29-129)				
410-43723-10	FB-F-20210614	31 S1-	32	57	58				

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 410-140248/1-A
Matrix: Water
Analysis Batch: 140420

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 11:01	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 11:01	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 11:01	1
beta-BHC (2C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 11:01	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 11:01	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		06/21/21 16:30	06/22/21 11:01	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		06/21/21 16:30	06/22/21 11:01	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		06/21/21 16:30	06/22/21 11:01	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		06/21/21 16:30	06/22/21 11:01	1
Endrin (1C)	ND		0.030	0.0081	ug/L		06/21/21 16:30	06/22/21 11:01	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		06/21/21 16:30	06/22/21 11:01	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 11:01	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 11:01	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		06/21/21 16:30	06/22/21 11:01	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 11:01	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		06/21/21 16:30	06/22/21 11:01	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		06/21/21 16:30	06/22/21 11:01	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		06/21/21 16:30	06/22/21 11:01	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 11:01	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 11:01	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		06/21/21 16:30	06/22/21 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*99*		*32 - 149*	*06/21/21 16:30*	*06/22/21 11:01*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*100*		*32 - 149*	*06/21/21 16:30*	*06/22/21 11:01*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*43*		*29 - 129*	*06/21/21 16:30*	*06/22/21 11:01*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*41*		*29 - 129*	*06/21/21 16:30*	*06/22/21 11:01*	*1*

Lab Sample ID: LCS 410-140248/2-A
Matrix: Water
Analysis Batch: 140420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin (2C)	0.101	0.0318		ug/L		31	28 - 119
alpha-BHC (1C)	0.101	0.0949		ug/L		94	47 - 132
beta-BHC (1C)	0.100	0.0961		ug/L		96	27 - 143
delta-BHC (2C)	0.100	0.0958		ug/L		96	28 - 141
Dieldrin (1C)	0.200	0.185		ug/L		93	31 - 145
Endosulfan I (2C)	0.101	0.0878		ug/L		87	40 - 138
Endosulfan II (1C)	0.201	0.184		ug/L		91	27 - 138
Endosulfan sulfate (2C)	0.201	0.183		ug/L		91	41 - 133
Endrin (1C)	0.200	0.185		ug/L		93	35 - 143
Endrin aldehyde (2C)	0.201	0.177		ug/L		88	40 - 135
Endrin ketone (1C)	0.200	0.208		ug/L		104	44 - 136
gamma-BHC (Lindane) (1C)	0.100	0.0962		ug/L		96	29 - 136
Heptachlor (1C)	0.101	0.0466		ug/L		46	38 - 135
Heptachlor epoxide (2C)	0.100	0.0903		ug/L		90	28 - 146
Methoxychlor (2C)	1.01	1.03		ug/L		102	39 - 143

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

Lab Sample ID: LCS 410-140248/2-A
Matrix: Water
Analysis Batch: 140420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140248

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
p,p'-DDD (1C)			0.201	0.198		ug/L		99	42 - 148		
p,p'-DDE (2C)			0.201	0.138		ug/L		68	22 - 138		
p,p'-DDT (2C)			0.201	0.186		ug/L		93	40 - 145		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*46*		*32 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*48*		*32 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*64*		*29 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*63*		*29 - 129*

Lab Sample ID: 410-43723-1 MS
Matrix: Ground Water
Analysis Batch: 140420

Client Sample ID: MW-3-UF-20210614
Prep Type: Total/NA
Prep Batch: 140248

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aldrin (2C)	ND		0.108	0.0358		ug/L		33	28 - 119		
alpha-BHC (1C)	ND		0.108	0.0912		ug/L		84	47 - 132		
beta-BHC (1C)	ND		0.107	0.0918		ug/L		86	27 - 143		
delta-BHC (2C)	ND		0.107	0.0911		ug/L		85	28 - 141		
Dieldrin (1C)	ND		0.214	0.187		ug/L		87	31 - 145		
Endosulfan I (2C)	ND		0.108	0.0878		ug/L		81	40 - 138		
Endosulfan II (2C)	ND		0.216	0.185		ug/L		86	27 - 138		
Endosulfan sulfate (1C)	ND		0.216	0.186		ug/L		86	41 - 133		
Endrin (1C)	ND		0.214	0.187		ug/L		87	35 - 143		
Endrin aldehyde (1C)	ND	F2	0.216	0.175		ug/L		81	40 - 135		
Endrin ketone (1C)	ND		0.214	0.211		ug/L		98	44 - 136		
gamma-BHC (Lindane) (1C)	ND		0.107	0.0904		ug/L		84	29 - 136		
Heptachlor (1C)	ND		0.108	0.0482		ug/L		44	38 - 135		
Heptachlor epoxide (1C)	ND		0.107	0.0913		ug/L		85	28 - 146		
Methoxychlor (2C)	ND		1.08	1.06		ug/L		98	39 - 143		
p,p'-DDD (1C)	ND		0.216	0.202		ug/L		94	42 - 148		
p,p'-DDE (2C)	ND		0.216	0.145		ug/L		67	22 - 138		
p,p'-DDT (2C)	ND		0.216	0.195		ug/L		91	40 - 145		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*90*		*32 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*90*		*32 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*65*		*29 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*64*		*29 - 129*

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

Lab Sample ID: 410-43723-1 MSD
Matrix: Ground Water
Analysis Batch: 140420

Client Sample ID: MW-3-UF-20210614
Prep Type: Total/NA
Prep Batch: 140248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin (2C)	ND		0.106	0.0383		ug/L		36	28 - 119	7	30
alpha-BHC (1C)	ND		0.106	0.111		ug/L		105	47 - 132	19	30
beta-BHC (1C)	ND		0.104	0.110		ug/L		105	27 - 143	18	30
delta-BHC (2C)	ND		0.104	0.114		ug/L		109	28 - 141	22	30
Dieldrin (2C)	ND		0.209	0.231		ug/L		111	31 - 145	21	30
Endosulfan I (2C)	ND		0.106	0.105		ug/L		99	40 - 138	17	30
Endosulfan II (2C)	ND		0.210	0.227		ug/L		108	27 - 138	20	30
Endosulfan sulfate (1C)	ND		0.210	0.230		ug/L		109	41 - 133	21	30
Endrin (1C)	ND		0.209	0.227		ug/L		109	35 - 143	20	30
Endrin aldehyde (1C)	ND	F2	0.210	0.224	F2	ug/L		106	40 - 135	25	20
Endrin ketone (1C)	ND		0.209	0.257		ug/L		123	44 - 136	20	30
gamma-BHC (Lindane) (1C)	ND		0.104	0.110		ug/L		105	29 - 136	20	30
Heptachlor (1C)	ND		0.106	0.0557		ug/L		53	38 - 135	15	30
Heptachlor epoxide (2C)	ND		0.104	0.110		ug/L		106	28 - 146	19	30
Methoxychlor (2C)	ND		1.05	1.31		ug/L		124	39 - 143	21	30
p,p'-DDD (1C)	ND		0.210	0.248		ug/L		118	42 - 148	20	30
p,p'-DDE (2C)	ND		0.210	0.165		ug/L		79	22 - 138	13	30
p,p'-DDT (2C)	ND		0.210	0.244		ug/L		116	40 - 145	22	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*107*		*32 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*105*		*32 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*77*		*29 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*75*		*29 - 129*

Lab Sample ID: MB 410-140255/1-A
Matrix: Water
Analysis Batch: 140420

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140255

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 08:58	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 08:58	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		06/21/21 16:30	06/22/21 08:58	1
beta-BHC (2C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 08:58	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		06/21/21 16:30	06/22/21 08:58	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		06/21/21 16:30	06/22/21 08:58	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		06/21/21 16:30	06/22/21 08:58	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		06/21/21 16:30	06/22/21 08:58	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		06/21/21 16:30	06/22/21 08:58	1
Endrin (1C)	ND		0.030	0.0081	ug/L		06/21/21 16:30	06/22/21 08:58	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		06/21/21 16:30	06/22/21 08:58	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 08:58	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 08:58	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		06/21/21 16:30	06/22/21 08:58	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		06/21/21 16:30	06/22/21 08:58	1

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

Lab Sample ID: MB 410-140255/1-A
Matrix: Water
Analysis Batch: 140420

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140255

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		06/21/21 16:30	06/22/21 08:58	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		06/21/21 16:30	06/22/21 08:58	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		06/21/21 16:30	06/22/21 08:58	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 08:58	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		06/21/21 16:30	06/22/21 08:58	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		06/21/21 16:30	06/22/21 08:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*29*	*S1-*	*32 - 149*	*06/21/21 16:30*	*06/22/21 08:58*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*29*	*S1-*	*32 - 149*	*06/21/21 16:30*	*06/22/21 08:58*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*20*	*S1-*	*29 - 129*	*06/21/21 16:30*	*06/22/21 08:58*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*19*	*S1-*	*29 - 129*	*06/21/21 16:30*	*06/22/21 08:58*	*1*

Lab Sample ID: LCS 410-140255/2-A
Matrix: Water
Analysis Batch: 140420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin (1C)	0.101	0.0285		ug/L		28	28 - 119
alpha-BHC (1C)	0.101	0.0974		ug/L		96	47 - 132
beta-BHC (1C)	0.100	0.0964		ug/L		96	27 - 143
delta-BHC (2C)	0.100	0.0970		ug/L		97	28 - 141
Dieldrin (1C)	0.200	0.181		ug/L		90	31 - 145
Endosulfan I (2C)	0.101	0.0849		ug/L		84	40 - 138
Endosulfan II (1C)	0.201	0.180		ug/L		90	27 - 138
Endosulfan sulfate (1C)	0.201	0.174		ug/L		87	41 - 133
Endrin (1C)	0.200	0.179		ug/L		89	35 - 143
Endrin aldehyde (1C)	0.201	0.168		ug/L		83	40 - 135
Endrin ketone (1C)	0.200	0.200		ug/L		100	44 - 136
gamma-BHC (Lindane) (1C)	0.100	0.0958		ug/L		96	29 - 136
Heptachlor (1C)	0.101	0.0405		ug/L		40	38 - 135
Heptachlor epoxide (1C)	0.100	0.0886		ug/L		89	28 - 146
Methoxychlor (2C)	1.01	0.941		ug/L		93	39 - 143
p,p'-DDD (1C)	0.201	0.196		ug/L		97	42 - 148
p,p'-DDE (1C)	0.201	0.133		ug/L		66	22 - 138
p,p'-DDT (2C)	0.201	0.176		ug/L		88	40 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*43*		*32 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*44*		*32 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*56*		*29 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*55*		*29 - 129*

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

Lab Sample ID: 410-43723-2 MS
Matrix: Ground Water
Analysis Batch: 140420

Client Sample ID: MW-3-F-20210614
Prep Type: Dissolved
Prep Batch: 140255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin (1C)	ND		0.102	0.0294		ug/L		29	28 - 119
alpha-BHC (1C)	ND		0.102	0.0924		ug/L		91	47 - 132
beta-BHC (1C)	ND		0.100	0.0972		ug/L		97	27 - 143
delta-BHC (1C)	ND		0.100	0.0962		ug/L		96	28 - 141
Dieldrin (1C)	ND		0.201	0.180		ug/L		90	31 - 145
Endosulfan I (2C)	ND		0.102	0.0841		ug/L		83	40 - 138
Endosulfan II (1C)	ND		0.202	0.189		ug/L		94	27 - 138
Endosulfan sulfate (1C)	ND		0.202	0.183		ug/L		90	41 - 133
Endrin (1C)	ND		0.201	0.179		ug/L		89	35 - 143
Endrin aldehyde (1C)	ND		0.202	0.181		ug/L		89	40 - 135
Endrin ketone (1C)	ND		0.201	0.204		ug/L		102	44 - 136
gamma-BHC (Lindane) (1C)	ND		0.100	0.0954		ug/L		95	29 - 136
Heptachlor (1C)	ND	F1	0.102	0.0364	F1	ug/L		36	38 - 135
Heptachlor epoxide (1C)	ND		0.100	0.0862		ug/L		86	28 - 146
Methoxychlor (2C)	ND		1.01	0.968		ug/L		96	39 - 143
p,p'-DDD (1C)	ND		0.202	0.196		ug/L		97	42 - 148
p,p'-DDE (2C)	ND		0.202	0.0984		ug/L		49	22 - 138
p,p'-DDT (2C)	ND		0.202	0.170		ug/L		84	40 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*93*		*32 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*94*		*32 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*66*		*29 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*65*		*29 - 129*

Lab Sample ID: 410-43723-2 MSD
Matrix: Ground Water
Analysis Batch: 140420

Client Sample ID: MW-3-F-20210614
Prep Type: Dissolved
Prep Batch: 140255

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin (1C)	ND		0.103	0.0289		ug/L		28	28 - 119	2	30
alpha-BHC (1C)	ND		0.103	0.0955		ug/L		92	47 - 132	3	30
beta-BHC (1C)	ND		0.102	0.0991		ug/L		97	27 - 143	2	30
delta-BHC (1C)	ND		0.102	0.0984		ug/L		96	28 - 141	2	30
Dieldrin (1C)	ND		0.204	0.188		ug/L		92	31 - 145	5	30
Endosulfan I (1C)	ND		0.103	0.0852		ug/L		82	40 - 138	1	30
Endosulfan II (1C)	ND		0.206	0.183		ug/L		89	27 - 138	3	30
Endosulfan sulfate (1C)	ND		0.206	0.182		ug/L		88	41 - 133	0	30
Endrin (1C)	ND		0.204	0.180		ug/L		88	35 - 143	0	30
Endrin aldehyde (1C)	ND		0.206	0.182		ug/L		88	40 - 135	0	20
Endrin ketone (1C)	ND		0.204	0.205		ug/L		100	44 - 136	0	30
gamma-BHC (Lindane) (1C)	ND		0.102	0.0944		ug/L		92	29 - 136	1	30
Heptachlor (1C)	ND	F1	0.103	0.0392		ug/L		38	38 - 135	7	30
Heptachlor epoxide (2C)	ND		0.102	0.0904		ug/L		88	28 - 146	5	30
Methoxychlor (2C)	ND		1.03	0.977		ug/L		95	39 - 143	1	30

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

Lab Sample ID: 410-43723-2 MSD
Client Sample ID: MW-3-F-20210614
Matrix: Ground Water
Prep Type: Dissolved
Analysis Batch: 140420
Prep Batch: 140255

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p,p'-DDD (1C)	ND		0.206	0.197		ug/L		96	42 - 148	1	30
p,p'-DDE (1C)	ND		0.206	0.122		ug/L		59	22 - 138	21	30
p,p'-DDT (2C)	ND		0.206	0.180		ug/L		88	40 - 145	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*93*		*32 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*94*		*32 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*60*		*29 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*59*		*29 - 129*

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.

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
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC Semi VOA

Filtration Batch: 140241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-43723-10	FB-F-20210614	Dissolved	Water	Filtration	

Prep Batch: 140248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-43723-1	MW-3-UF-20210614	Total/NA	Ground Water	3510C	
410-43723-3	MW-5-UF-20210614	Total/NA	Ground Water	3510C	
410-43723-5	MW-4-UF-20210614	Total/NA	Ground Water	3510C	
410-43723-7	MW-2D-UF-20210614	Total/NA	Ground Water	3510C	
410-43723-9	FB-UF-20210614	Total/NA	Water	3510C	
410-43723-11	DUP-UF-20210614	Total/NA	Ground Water	3510C	
MB 410-140248/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-140248/2-A	Lab Control Sample	Total/NA	Water	3510C	
410-43723-1 MS	MW-3-UF-20210614	Total/NA	Ground Water	3510C	
410-43723-1 MSD	MW-3-UF-20210614	Total/NA	Ground Water	3510C	

Prep Batch: 140255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-43723-2	MW-3-F-20210614	Dissolved	Ground Water	3510C	
410-43723-4	MW-5-F-20210614	Dissolved	Ground Water	3510C	
410-43723-6	MW-4-F-20210614	Dissolved	Ground Water	3510C	
410-43723-8	MW-2D-F-20210614	Dissolved	Ground Water	3510C	
410-43723-10	FB-F-20210614	Dissolved	Water	3510C	140241
410-43723-12	DUP-F-20210614	Dissolved	Ground Water	3510C	
MB 410-140255/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-140255/2-A	Lab Control Sample	Total/NA	Water	3510C	
410-43723-2 MS	MW-3-F-20210614	Dissolved	Ground Water	3510C	
410-43723-2 MSD	MW-3-F-20210614	Dissolved	Ground Water	3510C	

Analysis Batch: 140420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-43723-1	MW-3-UF-20210614	Total/NA	Ground Water	8081B	140248
410-43723-2	MW-3-F-20210614	Dissolved	Ground Water	8081B	140255
410-43723-3	MW-5-UF-20210614	Total/NA	Ground Water	8081B	140248
410-43723-4	MW-5-F-20210614	Dissolved	Ground Water	8081B	140255
410-43723-5	MW-4-UF-20210614	Total/NA	Ground Water	8081B	140248
410-43723-6	MW-4-F-20210614	Dissolved	Ground Water	8081B	140255
410-43723-7	MW-2D-UF-20210614	Total/NA	Ground Water	8081B	140248
410-43723-8	MW-2D-F-20210614	Dissolved	Ground Water	8081B	140255
410-43723-9	FB-UF-20210614	Total/NA	Water	8081B	140248
410-43723-10	FB-F-20210614	Dissolved	Water	8081B	140255
410-43723-11	DUP-UF-20210614	Total/NA	Ground Water	8081B	140248
410-43723-12	DUP-F-20210614	Dissolved	Ground Water	8081B	140255
MB 410-140248/1-A	Method Blank	Total/NA	Water	8081B	140248
MB 410-140255/1-A	Method Blank	Total/NA	Water	8081B	140255
LCS 410-140248/2-A	Lab Control Sample	Total/NA	Water	8081B	140248
LCS 410-140255/2-A	Lab Control Sample	Total/NA	Water	8081B	140255
410-43723-1 MS	MW-3-UF-20210614	Total/NA	Ground Water	8081B	140248
410-43723-1 MSD	MW-3-UF-20210614	Total/NA	Ground Water	8081B	140248
410-43723-2 MS	MW-3-F-20210614	Dissolved	Ground Water	8081B	140255
410-43723-2 MSD	MW-3-F-20210614	Dissolved	Ground Water	8081B	140255

Client Sample ID: MW-3-UF-20210614
Lab Sample ID: 410-43723-1
Date Collected: 06/14/21 11:23
Matrix: Ground Water
Date Received: 06/15/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			140248	06/21/21 16:30	DFX4	ELLE
Total/NA	Analysis	8081B		1	140420	06/22/21 11:49	UAMZ	ELLE

Client Sample ID: MW-3-F-20210614
Lab Sample ID: 410-43723-2
Date Collected: 06/14/21 11:26
Matrix: Ground Water
Date Received: 06/15/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3510C			140255	06/21/21 16:30	DFX4	ELLE
Dissolved	Analysis	8081B		1	140420	06/22/21 09:47	UAMZ	ELLE

Client Sample ID: MW-5-UF-20210614
Lab Sample ID: 410-43723-3
Date Collected: 06/14/21 11:28
Matrix: Ground Water
Date Received: 06/15/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			140248	06/21/21 16:30	DFX4	ELLE
Total/NA	Analysis	8081B		1	140420	06/22/21 12:02	UAMZ	ELLE

Client Sample ID: MW-5-F-20210614
Lab Sample ID: 410-43723-4
Date Collected: 06/14/21 11:31
Matrix: Ground Water
Date Received: 06/15/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3510C			140255	06/21/21 16:30	DFX4	ELLE
Dissolved	Analysis	8081B		1	140420	06/22/21 10:00	UAMZ	ELLE

Client Sample ID: MW-4-UF-20210614
Lab Sample ID: 410-43723-5
Date Collected: 06/14/21 12:55
Matrix: Ground Water
Date Received: 06/15/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			140248	06/21/21 16:30	DFX4	ELLE
Total/NA	Analysis	8081B		1	140420	06/22/21 12:14	UAMZ	ELLE

Client Sample ID: MW-4-F-20210614
Lab Sample ID: 410-43723-6
Date Collected: 06/14/21 12:58
Matrix: Ground Water
Date Received: 06/15/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3510C			140255	06/21/21 16:30	DFX4	ELLE
Dissolved	Analysis	8081B		1	140420	06/22/21 10:12	UAMZ	ELLE

Client Sample ID: MW-2D-UF-20210614
Lab Sample ID: 410-43723-7
Date Collected: 06/14/21 12:56
Matrix: Ground Water
Date Received: 06/15/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			140248	06/21/21 16:30	DFX4	ELLE
Total/NA	Analysis	8081B		5	140420	06/22/21 12:26	UAMZ	ELLE

Client Sample ID: MW-2D-F-20210614
Lab Sample ID: 410-43723-8
Date Collected: 06/14/21 12:59
Matrix: Ground Water
Date Received: 06/15/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3510C			140255	06/21/21 16:30	DFX4	ELLE
Dissolved	Analysis	8081B		1	140420	06/22/21 10:24	UAMZ	ELLE

Client Sample ID: FB-UF-20210614
Lab Sample ID: 410-43723-9
Date Collected: 06/14/21 13:25
Matrix: Water
Date Received: 06/15/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			140248	06/21/21 16:30	DFX4	ELLE
Total/NA	Analysis	8081B		1	140420	06/22/21 12:38	UAMZ	ELLE

Client Sample ID: FB-F-20210614
Lab Sample ID: 410-43723-10
Date Collected: 06/14/21 13:28
Matrix: Water
Date Received: 06/15/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	Filtration			140241	06/21/21 15:01	DFX4	ELLE
Dissolved	Prep	3510C			140255	06/21/21 16:30	DFX4	ELLE
Dissolved	Analysis	8081B		1	140420	06/22/21 10:36	UAMZ	ELLE

Client Sample ID: DUP-UF-20210614
Lab Sample ID: 410-43723-11
Date Collected: 06/14/21 00:00
Matrix: Ground Water
Date Received: 06/15/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			140248	06/21/21 16:30	DFX4	ELLE
Total/NA	Analysis	8081B		5	140420	06/22/21 12:50	UAMZ	ELLE

Client Sample ID: DUP-F-20210614
Lab Sample ID: 410-43723-12
Date Collected: 06/14/21 00:00
Matrix: Ground Water
Date Received: 06/15/21 17:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3510C			140255	06/21/21 16:30	DFX4	ELLE
Dissolved	Analysis	8081B		1	140420	06/22/21 10:48	UAMZ	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, 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: 410-43723-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-22

Method 8081B

Organochlorine Pesticides (GC) by Method 8081B

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-43723-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
MW-3-UF-20210614	410-43723-1	75	74	104	100
MW-5-UF-20210614	410-43723-3	60	60	93	92
MW-4-UF-20210614	410-43723-5	62	58	88	89
MW-2D-UF-20210614	410-43723-7	47	48	52	57
FB-UF-20210614	410-43723-9	55	55	56	57
DUP-UF-20210614	410-43723-11	73	66	100	108
	MB 410-140248/1-A	43	41	99	100
	MB 410-140255/1-A	20 S1-	19 S1-	29 S1-	29 S1-
	LCS 410-140248/2-A	64	63	46	48
	LCS 410-140255/2-A	56	55	43	44
MW-3-UF-20210614 MS	410-43723-1 MS	65	64	90	90
MW-3-UF-20210614 MSD	410-43723-1 MSD	77	75	107	105

	QC LIMITS
TCX = Tetrachloro-m-xylene (Surr)	29-129
DCB = DCB Decachlorobiphenyl (Surr)	32-149

Column to be used to flag recovery values

FORM II 8081B

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-43723-1

SDG No.:

Matrix: Water (Dissolved) Level: Low

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
MW-3-F-20210614	410-43723-2	57	56	92	91
MW-5-F-20210614	410-43723-4	49	47	86	84
MW-4-F-20210614	410-43723-6	54	55	96	101
MW-2D-F-20210614	410-43723-8	53	54	66	67
FB-F-20210614	410-43723-10	57	58	31 S1-	32
DUP-F-20210614	410-43723-12	53	54	93	96
MW-3-F-20210614 MS	410-43723-2 MS	66	65	93	94
MW-3-F-20210614 MSD	410-43723-2 MSD	60	59	93	94

	QC LIMITS
TCX = Tetrachloro-m-xylene (Surr)	29-129
DCB = DCB Decachlorobiphenyl (Surr)	32-149

Column to be used to flag recovery values

FORM II 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-43723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 10PEST21141035.026.D

Lab ID: LCS 410-140248/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aldrin	0.101	0.0318	31	28-119	
alpha-BHC	0.101	0.0949	94	47-132	
beta-BHC	0.100	0.0961	96	27-143	
delta-BHC	0.100	0.0958	96	28-141	
Dieldrin	0.200	0.185	93	31-145	
Endosulfan I	0.101	0.0878	87	40-138	
Endosulfan II	0.201	0.184	91	27-138	
Endosulfan sulfate	0.201	0.183	91	41-133	
Endrin	0.200	0.185	93	35-143	
Endrin aldehyde	0.201	0.177	88	40-135	
Endrin ketone	0.200	0.208	104	44-136	
gamma-BHC (Lindane)	0.100	0.0962	96	29-136	
Heptachlor	0.101	0.0466	46	38-135	
Heptachlor epoxide	0.100	0.0903	90	28-146	
Methoxychlor	1.01	1.03	102	39-143	
p,p'-DDD	0.201	0.198	99	42-148	
p,p'-DDE	0.201	0.138	68	22-138	
p,p'-DDT	0.201	0.186	93	40-145	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-43723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 10PEST21141035.016.D

Lab ID: LCS 410-140255/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aldrin	0.101	0.0285	28	28-119	
alpha-BHC	0.101	0.0974	96	47-132	
beta-BHC	0.100	0.0964	96	27-143	
delta-BHC	0.100	0.0970	97	28-141	
Dieldrin	0.200	0.181	90	31-145	
Endosulfan I	0.101	0.0849	84	40-138	
Endosulfan II	0.201	0.180	90	27-138	
Endosulfan sulfate	0.201	0.174	87	41-133	
Endrin	0.200	0.179	89	35-143	
Endrin aldehyde	0.201	0.168	83	40-135	
Endrin ketone	0.200	0.200	100	44-136	
gamma-BHC (Lindane)	0.100	0.0958	96	29-136	
Heptachlor	0.101	0.0405	40	38-135	
Heptachlor epoxide	0.100	0.0886	89	28-146	
Methoxychlor	1.01	0.941	93	39-143	
p,p'-DDD	0.201	0.196	97	42-148	
p,p'-DDE	0.201	0.133	66	22-138	
p,p'-DDT	0.201	0.176	88	40-145	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
PESTICIDES MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-43723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 10PEST21141035.027.D

Lab ID: 410-43723-1 MS Client ID: MW-3-UF-20210614 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Aldrin	0.108	ND	0.0358	33	28-119	
alpha-BHC	0.108	ND	0.0912	84	47-132	
beta-BHC	0.107	ND	0.0918	86	27-143	
delta-BHC	0.107	ND	0.0911	85	28-141	
Dieldrin	0.214	ND	0.187	87	31-145	
Endosulfan I	0.108	ND	0.0878	81	40-138	
Endosulfan II	0.216	ND	0.185	86	27-138	
Endosulfan sulfate	0.216	ND	0.186	86	41-133	
Endrin	0.214	ND	0.187	87	35-143	
Endrin aldehyde	0.216	ND	0.175	81	40-135	
Endrin ketone	0.214	ND	0.211	98	44-136	
gamma-BHC (Lindane)	0.107	ND	0.0904	84	29-136	
Heptachlor	0.108	ND	0.0482	44	38-135	
Heptachlor epoxide	0.107	ND	0.0913	85	28-146	
Methoxychlor	1.08	ND	1.06	98	39-143	
p,p'-DDD	0.216	ND	0.202	94	42-148	
p,p'-DDE	0.216	ND	0.145	67	22-138	
p,p'-DDT	0.216	ND	0.195	91	40-145	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
PESTICIDES MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-43723-1

SDG No.:

Matrix: Water (Dissolved Level: Low Lab File ID: 10PEST21141035.017.D

Lab ID: 410-43723-2 MS Client ID: MW-3-F-20210614 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Aldrin	0.102	ND	0.0294	29	28-119	
alpha-BHC	0.102	ND	0.0924	91	47-132	
beta-BHC	0.100	ND	0.0972	97	27-143	
delta-BHC	0.100	ND	0.0962	96	28-141	
Dieldrin	0.201	ND	0.180	90	31-145	
Endosulfan I	0.102	ND	0.0841	83	40-138	
Endosulfan II	0.202	ND	0.189	94	27-138	
Endosulfan sulfate	0.202	ND	0.183	90	41-133	
Endrin	0.201	ND	0.179	89	35-143	
Endrin aldehyde	0.202	ND	0.181	89	40-135	
Endrin ketone	0.201	ND	0.204	102	44-136	
gamma-BHC (Lindane)	0.100	ND	0.0954	95	29-136	
Heptachlor	0.102	ND	0.0364	36	38-135	F1
Heptachlor epoxide	0.100	ND	0.0862	86	28-146	
Methoxychlor	1.01	ND	0.968	96	39-143	
p,p'-DDD	0.202	ND	0.196	97	42-148	
p,p'-DDE	0.202	ND	0.0984	49	22-138	
p,p'-DDT	0.202	ND	0.170	84	40-145	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
PESTICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-43723-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 10PEST21141035.028.D

Lab ID: 410-43723-1 MSD Client ID: MW-3-UF-20210614 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aldrin	0.106	0.0383	36	7	30	28-119	
alpha-BHC	0.106	0.111	105	19	30	47-132	
beta-BHC	0.104	0.110	105	18	30	27-143	
delta-BHC	0.104	0.114	109	22	30	28-141	
Dieldrin	0.209	0.231	111	21	30	31-145	
Endosulfan I	0.106	0.105	99	17	30	40-138	
Endosulfan II	0.210	0.227	108	20	30	27-138	
Endosulfan sulfate	0.210	0.230	109	21	30	41-133	
Endrin	0.209	0.227	109	20	30	35-143	
Endrin aldehyde	0.210	0.224	106	25	20	40-135	F2
Endrin ketone	0.209	0.257	123	20	30	44-136	
gamma-BHC (Lindane)	0.104	0.110	105	20	30	29-136	
Heptachlor	0.106	0.0557	53	15	30	38-135	
Heptachlor epoxide	0.104	0.110	106	19	30	28-146	
Methoxychlor	1.05	1.31	124	21	30	39-143	
p,p'-DDD	0.210	0.248	118	20	30	42-148	
p,p'-DDE	0.210	0.165	79	13	30	22-138	
p,p'-DDT	0.210	0.244	116	22	30	40-145	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
PESTICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-43723-1

SDG No.:

Matrix: Water (Dissolved Level: Low Lab File ID: 10PEST21141035.018.D

Lab ID: 410-43723-2 MSD Client ID: MW-3-F-20210614 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aldrin	0.103	0.0289	28	2	30	28-119	
alpha-BHC	0.103	0.0955	92	3	30	47-132	
beta-BHC	0.102	0.0991	97	2	30	27-143	
delta-BHC	0.102	0.0984	96	2	30	28-141	
Dieldrin	0.204	0.188	92	5	30	31-145	
Endosulfan I	0.103	0.0852	82	1	30	40-138	
Endosulfan II	0.206	0.183	89	3	30	27-138	
Endosulfan sulfate	0.206	0.182	88	0	30	41-133	
Endrin	0.204	0.180	88	0	30	35-143	
Endrin aldehyde	0.206	0.182	88	0	20	40-135	
Endrin ketone	0.204	0.205	100	0	30	44-136	
gamma-BHC (Lindane)	0.102	0.0944	92	1	30	29-136	
Heptachlor	0.103	0.0392	38	7	30	38-135	
Heptachlor epoxide	0.102	0.0904	88	5	30	28-146	
Methoxychlor	1.03	0.977	95	1	30	39-143	
p,p'-DDD	0.206	0.197	96	1	30	42-148	
p,p'-DDE	0.206	0.122	59	21	30	22-138	
p,p'-DDT	0.206	0.180	88	6	30	40-145	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-43723-1

SDG No.:

Lab Sample ID: MB 410-140255/1-A

Matrix: Water Date Extracted: 06/21/2021 16:30

Lab File ID:(1) 10PEST21141035.015.D Lab File ID:(2) 10PEST21141035.015.D

Date Analyzed:(1) 06/22/2021 08:58 Date Analyzed:(2) 06/22/2021 08:58

Instrument ID:(1) 9191 Instrument ID:(2) 9191

GC Column:(1) DB CLP1 ID: 0.32(mm) GC Column:(2) DB CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 410-140255/2-A	06/22/2021 09:11	06/22/2021 09:11
MW-3-F-20210614 MS	410-43723-2 MS	06/22/2021 09:23	06/22/2021 09:23
MW-3-F-20210614 MSD	410-43723-2 MSD	06/22/2021 09:35	06/22/2021 09:35
MW-3-F-20210614	410-43723-2	06/22/2021 09:47	06/22/2021 09:47
MW-5-F-20210614	410-43723-4	06/22/2021 10:00	06/22/2021 10:00
MW-4-F-20210614	410-43723-6	06/22/2021 10:12	06/22/2021 10:12
MW-2D-F-20210614	410-43723-8	06/22/2021 10:24	06/22/2021 10:24
FB-F-20210614	410-43723-10	06/22/2021 10:36	06/22/2021 10:36
DUP-F-20210614	410-43723-12	06/22/2021 10:48	06/22/2021 10:48

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-43723-1

SDG No.:

Lab Sample ID: MB 410-140248/1-A

Matrix: Water Date Extracted: 06/21/2021 16:30

Lab File ID:(1) 10PEST21141035.025.D Lab File ID:(2) 10PEST21141035.025.D

Date Analyzed:(1) 06/22/2021 11:01 Date Analyzed:(2) 06/22/2021 11:01

Instrument ID:(1) 9191 Instrument ID:(2) 9191

GC Column:(1) DB CLP1 ID: 0.32(mm) GC Column:(2) DB CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 410-140248/2-A	06/22/2021 11:13	06/22/2021 11:13
MW-3-UF-20210614 MS	410-43723-1 MS	06/22/2021 11:25	06/22/2021 11:25
MW-3-UF-20210614 MSD	410-43723-1 MSD	06/22/2021 11:37	06/22/2021 11:37
MW-3-UF-20210614	410-43723-1	06/22/2021 11:49	06/22/2021 11:49
MW-5-UF-20210614	410-43723-3	06/22/2021 12:02	06/22/2021 12:02
MW-4-UF-20210614	410-43723-5	06/22/2021 12:14	06/22/2021 12:14
MW-2D-UF-20210614	410-43723-7	06/22/2021 12:26	06/22/2021 12:26
FB-UF-20210614	410-43723-9	06/22/2021 12:38	06/22/2021 12:38
DUP-UF-20210614	410-43723-11	06/22/2021 12:50	06/22/2021 12:50

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Sample No.: ICRT 410-140054/7 Date Analyzed: 06/21/2021 10:19

Instrument ID: 9191 GC Column: DB CLP1 ID: 0.32(mm)

Lab File ID (Standard): 10PEST21141034.007. Heated Purge: (Y/N) N

Calibration ID: 27704

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				1.82	6.13	
UPPER LIMIT				1.85	6.16	
LOWER LIMIT				1.79	6.10	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-140054/7		06/21/2021 10:19	10PEST21141034.007.D	1.82	6.13	
ICV 410-140054/10		06/21/2021 10:56	10PEST21141034.010.D	1.82	6.13	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Sample No.: ICRT 410-140054/7 Date Analyzed: 06/21/2021 10:19

Instrument ID: 9191 GC Column: DB CLP2 ID: 0.32(mm)

Lab File ID (Standard): 10PEST21141034.007. Heated Purge: (Y/N) N

Calibration ID: 27705

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				2.37	6.64	
UPPER LIMIT				2.40	6.67	
LOWER LIMIT				2.34	6.61	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-140054/7		06/21/2021 10:19	10PEST21141034.007.D	2.37	6.64	
ICV 410-140054/10		06/21/2021 10:56	10PEST21141034.010.D	2.37	6.64	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Sample No.: CCVRT 410-140420/3 Date Analyzed: 06/22/2021 06:07

Instrument ID: 9191 GC Column: DB CLP1 ID: 0.32(mm)

Lab File ID (Standard): 10PEST21141035.003. Heated Purge: (Y/N) N

Calibration ID: 27704

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.83	6.14	
UPPER LIMIT				1.86	6.17	
LOWER LIMIT				1.80	6.11	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 410-140420/3		06/22/2021 06:07	10PEST21141035.003.D	1.83	6.14	
PEM 410-140420/6		06/22/2021 06:43	10PEST21141035.006.D	1.82	6.13	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Sample No.: CCVRT 410-140420/3 Date Analyzed: 06/22/2021 06:07

Instrument ID: 9191 GC Column: DB CLP2 ID: 0.32(mm)

Lab File ID (Standard): 10PEST21141035.003. Heated Purge: (Y/N) N

Calibration ID: 27705

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.37	6.65	
UPPER LIMIT				2.40	6.68	
LOWER LIMIT				2.34	6.62	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 410-140420/3		06/22/2021 06:07	10PEST21141035.003.D	2.37	6.65	
PEM 410-140420/6		06/22/2021 06:43	10PEST21141035.006.D	2.37	6.64	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-UF-20210614 Lab Sample ID: 410-43723-1

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 11:49 Date Analyzed (2): 06/22/2021 11:49

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-Chlordane	1		3.87	3.85	3.91	0.0087		10.3
	2		4.49	4.46	4.52	0.0096		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-UF-20210614 MS Lab Sample ID: 410-43723-1 MS

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 11:25 Date Analyzed (2): 06/22/2021 11:25

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.23	2.20	2.26	0.0912		3.7
	2		2.70	2.67	2.73	0.0879		
gamma-BHC (Lindane)	1		2.51	2.49	2.55	0.0904		1.5
	2		2.99	2.96	3.02	0.0890		
beta-BHC	1		2.72	2.69	2.75	0.0918		3.6
	2		3.24	3.21	3.27	0.0886		
Heptachlor	1		2.81	2.79	2.85	0.0482		1.6
	2		3.54	3.51	3.57	0.0474		
delta-BHC	1		2.97	2.94	3.00	0.0903		0.9
	2		3.48	3.45	3.51	0.0911		
Aldrin	1		3.09	3.07	3.13	0.0347		3.0
	2		3.83	3.80	3.86	0.0358		
Heptachlor epoxide	1		3.59	3.56	3.62	0.0913		0.2
	2		4.20	4.17	4.23	0.0912		
gamma-Chlordane	1		3.79	3.76	3.82	0.0800		2.4
	2		4.45	4.42	4.48	0.0819		
alpha-Chlordane	1		3.87	3.85	3.91	0.0829		1.7
	2		4.49	4.46	4.52	0.0843		
Endosulfan I	1		3.91	3.89	3.95	0.0832		5.4
	2		4.52	4.49	4.55	0.0878		
p,p'-DDE	1		4.05	4.03	4.09	0.141		2.5
	2		4.61	4.59	4.65	0.145		
Dieldrin	1		4.15	4.13	4.19	0.187		0.3
	2		4.72	4.69	4.75	0.187		
Endrin	1		4.40	4.38	4.44	0.187		3.3
	2		4.89	4.86	4.92	0.180		
p,p'-DDD	1		4.51	4.49	4.55	0.202		7.8
	2		5.00	4.98	5.04	0.187		
Endosulfan II	1		4.61	4.59	4.65	0.184		0.5
	2		5.09	5.06	5.12	0.185		
p,p'-DDT	1		4.72	4.70	4.76	0.201		3.0
	2		5.23	5.20	5.26	0.195		
Endrin aldehyde	1		4.79	4.76	4.82	0.175		0.1
	2		5.17	5.14	5.20	0.174		
Endosulfan sulfate	1		4.94	4.91	4.97	0.186		1.0
	2		5.37	5.35	5.41	0.184		
Methoxychlor	1		5.23	5.21	5.27	1.12		5.5
	2		5.54	5.51	5.57	1.06		
Endrin ketone	1		5.37	5.35	5.41	0.211		6.2
	2		5.67	5.64	5.70	0.198		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-UF-20210614 MSD Lab Sample ID: 410-43723-1 MSD

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 11:37 Date Analyzed (2): 06/22/2021 11:37

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.23	2.20	2.26	0.111		1.4
	2		2.70	2.67	2.73	0.109		
gamma-BHC (Lindane)	1		2.52	2.49	2.55	0.110		2.2
	2		2.99	2.96	3.02	0.108		
beta-BHC	1		2.72	2.69	2.75	0.110		4.6
	2		3.23	3.21	3.27	0.105		
Heptachlor	1		2.82	2.79	2.85	0.0557		5.5
	2		3.54	3.51	3.57	0.0528		
delta-BHC	1		2.97	2.94	3.00	0.114		0.0
	2		3.47	3.45	3.51	0.114		
Aldrin	1		3.09	3.07	3.13	0.0383		0.0
	2		3.82	3.80	3.86	0.0383		
Heptachlor epoxide	1		3.59	3.56	3.62	0.109		1.2
	2		4.19	4.17	4.23	0.110		
gamma-Chlordane	1		3.79	3.76	3.82	0.0949		2.1
	2		4.45	4.42	4.48	0.0969		
alpha-Chlordane	1		3.87	3.85	3.91	0.0975		1.0
	2		4.49	4.46	4.52	0.0986		
Endosulfan I	1		3.91	3.89	3.95	0.102		2.8
	2		4.52	4.49	4.55	0.105		
p,p'-DDE	1		4.05	4.03	4.09	0.164		0.5
	2		4.61	4.59	4.65	0.165		
Dieldrin	1		4.15	4.13	4.19	0.229		0.8
	2		4.72	4.69	4.75	0.231		
Endrin	1		4.40	4.38	4.44	0.227		1.5
	2		4.89	4.86	4.92	0.224		
p,p'-DDD	1		4.52	4.49	4.55	0.248		9.3
	2		5.00	4.98	5.04	0.226		
Endosulfan II	1		4.61	4.59	4.65	0.224		1.5
	2		5.09	5.06	5.12	0.227		
p,p'-DDT	1		4.72	4.70	4.76	0.252		3.2
	2		5.22	5.20	5.26	0.244		
Endrin aldehyde	1		4.79	4.76	4.82	0.224		0.4
	2		5.17	5.14	5.20	0.223		
Endosulfan sulfate	1		4.94	4.91	4.97	0.230		1.8
	2		5.37	5.35	5.41	0.226		
Methoxychlor	1		5.23	5.21	5.27	1.35		2.9
	2		5.54	5.51	5.57	1.31		
Endrin ketone	1		5.37	5.35	5.41	0.257		5.5
	2		5.67	5.64	5.70	0.243		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-F-20210614 MS Lab Sample ID: 410-43723-2 MS

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 09:23 Date Analyzed (2): 06/22/2021 09:23

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.23	2.20	2.26	0.0924		2.3
	2		2.70	2.67	2.73	0.0903		
gamma-BHC (Lindane)	1		2.52	2.49	2.55	0.0954		2.4
	2		2.99	2.96	3.02	0.0931		
beta-BHC	1		2.72	2.69	2.75	0.0972		8.7
	2		3.23	3.21	3.27	0.0891		
Heptachlor	1		2.82	2.79	2.85	0.0364		6.5
	2		3.54	3.51	3.57	0.0341		
delta-BHC	1		2.97	2.94	3.00	0.0962		2.2
	2		3.47	3.45	3.51	0.0941		
Aldrin	1		3.10	3.07	3.13	0.0294		2.5
	2		3.83	3.80	3.86	0.0287		
Heptachlor epoxide	1		3.59	3.56	3.62	0.0862		1.0
	2		4.19	4.17	4.23	0.0854		
gamma-Chlordane	1		3.79	3.76	3.82	0.0545		1.1
	2		4.45	4.42	4.48	0.0551		
alpha-Chlordane	1		3.87	3.85	3.91	0.0615		0.8
	2		4.49	4.46	4.52	0.0620		
Endosulfan I	1		3.91	3.89	3.95	0.0819		2.7
	2		4.52	4.49	4.55	0.0841		
p,p'-DDE	1		4.05	4.03	4.09	0.0974		1.0
	2		4.61	4.59	4.65	0.0984		
Dieldrin	1		4.15	4.13	4.19	0.180		2.3
	2		4.72	4.69	4.75	0.176		
Endrin	1		4.40	4.38	4.44	0.179		1.5
	2		4.89	4.86	4.92	0.177		
p,p'-DDD	1		4.52	4.49	4.55	0.196		10.0
	2		5.00	4.98	5.04	0.177		
Endosulfan II	1		4.61	4.59	4.65	0.189		2.6
	2		5.09	5.06	5.12	0.184		
p,p'-DDT	1		4.72	4.70	4.76	0.178		4.5
	2		5.23	5.20	5.26	0.170		
Endrin aldehyde	1		4.79	4.76	4.82	0.181		0.6
	2		5.17	5.14	5.20	0.180		
Endosulfan sulfate	1		4.94	4.91	4.97	0.183		3.0
	2		5.37	5.35	5.41	0.177		
Methoxychlor	1		5.23	5.21	5.27	1.06		8.9
	2		5.54	5.51	5.57	0.968		
Endrin ketone	1		5.37	5.35	5.41	0.204		4.0
	2		5.67	5.64	5.70	0.196		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-F-20210614 MSD Lab Sample ID: 410-43723-2 MSD

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 09:35 Date Analyzed (2): 06/22/2021 09:35

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.22	2.20	2.26	0.0955		3.8
	2		2.70	2.67	2.73	0.0919		
gamma-BHC (Lindane)	1		2.51	2.49	2.55	0.0944		1.3
	2		2.99	2.96	3.02	0.0932		
beta-BHC	1		2.71	2.69	2.75	0.0991		4.8
	2		3.23	3.21	3.27	0.0944		
Heptachlor	1		2.81	2.79	2.85	0.0392		8.4
	2		3.54	3.51	3.57	0.0360		
delta-BHC	1		2.97	2.94	3.00	0.0984		0.8
	2		3.47	3.45	3.51	0.0976		
Aldrin	1		3.09	3.07	3.13	0.0289		0.9
	2		3.83	3.80	3.86	0.0286		
Heptachlor epoxide	1		3.58	3.56	3.62	0.0898		0.7
	2		4.19	4.17	4.23	0.0904		
gamma-Chlordane	1		3.79	3.76	3.82	0.0662		0.5
	2		4.45	4.42	4.48	0.0665		
alpha-Chlordane	1		3.87	3.85	3.91	0.0702		1.1
	2		4.49	4.46	4.52	0.0710		
Endosulfan I	1		3.91	3.89	3.95	0.0852		1.1
	2		4.52	4.49	4.55	0.0843		
p,p'-DDE	1		4.05	4.03	4.09	0.122		1.7
	2		4.61	4.59	4.65	0.120		
Dieldrin	1		4.15	4.13	4.19	0.188		3.7
	2		4.72	4.69	4.75	0.181		
Endrin	1		4.40	4.38	4.44	0.180		1.0
	2		4.89	4.86	4.92	0.178		
p,p'-DDD	1		4.51	4.49	4.55	0.197		6.4
	2		5.00	4.98	5.04	0.185		
Endosulfan II	1		4.61	4.59	4.65	0.183		2.4
	2		5.09	5.06	5.12	0.179		
p,p'-DDT	1		4.72	4.70	4.76	0.181		0.6
	2		5.23	5.20	5.26	0.180		
Endrin aldehyde	1		4.78	4.76	4.82	0.182		5.0
	2		5.17	5.14	5.20	0.173		
Endosulfan sulfate	1		4.94	4.91	4.97	0.182		3.3
	2		5.37	5.35	5.41	0.176		
Methoxychlor	1		5.23	5.21	5.27	1.02		3.9
	2		5.54	5.51	5.57	0.977		
Endrin ketone	1		5.37	5.35	5.41	0.205		6.7
	2		5.67	5.64	5.70	0.192		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-5-UF-20210614 Lab Sample ID: 410-43723-3

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 12:02 Date Analyzed (2): 06/22/2021 12:02

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Dieldrin	1		4.15	4.13	4.19	0.0074		5.2
	2		4.72	4.69	4.75	0.0078		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-4-UF-20210614 Lab Sample ID: 410-43723-5

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 12:14 Date Analyzed (2): 06/22/2021 12:14

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		2.51	2.49	2.55	0.011		10.2
	2		2.99	2.96	3.02	0.0098		
beta-BHC	1		2.70	2.69	2.75	0.046		169.0
	2		3.24	3.21	3.27	0.0039		
Heptachlor epoxide	1		3.60	3.56	3.62	0.026		115.8
	2		4.20	4.17	4.23	0.0070		
gamma-Chlordane	1		3.79	3.76	3.82	0.014		89.4
	2		4.45	4.42	4.48	0.036		
alpha-Chlordane	1		3.87	3.85	3.91	0.018		31.4
	2		4.49	4.46	4.52	0.025		
Endosulfan I	1		3.93	3.89	3.95	0.016		60.2
	2		4.53	4.49	4.55	0.0085		
Dieldrin	1		4.15	4.13	4.19	0.72		1.7
	2		4.72	4.69	4.75	0.73		
Endrin	1		4.40	4.38	4.44	0.019		24.4
	2		4.89	4.86	4.92	0.024		
p,p'-DDD	1		4.52	4.49	4.55	0.11		169.5
	2		5.00	4.98	5.04	0.0093		
p,p'-DDT	1		4.72	4.70	4.76	0.073		57.1
	2		5.23	5.20	5.26	0.041		
Endosulfan sulfate	1		4.93	4.91	4.97	0.22		6.9
	2		5.37	5.35	5.41	0.24		
Endrin ketone	1		5.37	5.35	5.41	0.015		10.8
	2		5.67	5.64	5.70	0.017		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-4-F-20210614 Lab Sample ID: 410-43723-6

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 10:12 Date Analyzed (2): 06/22/2021 10:12

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.23	2.20	2.26	0.046		109.6
	2		2.72	2.67	2.73	0.013		
gamma-BHC (Lindane)	1		2.52	2.49	2.55	0.0059		18.5
	2		2.99	2.96	3.02	0.0049		
Dieldrin	1		4.15	4.13	4.19	0.012		0.8
	2		4.72	4.69	4.75	0.012		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-2D-UF-20210614 Lab Sample ID: 410-43723-7

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 12:26 Date Analyzed (2): 06/22/2021 12:26

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
p,p'-DDE	1		4.05	4.03	4.09	0.071		15.3
	2		4.61	4.59	4.65	0.083		
p,p'-DDD	1		4.52	4.49	4.55	0.18		2.0
	2		5.00	4.98	5.04	0.18		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-2D-F-20210614 Lab Sample ID: 410-43723-8

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 10:24 Date Analyzed (2): 06/22/2021 10:24

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.24	2.20	2.26	0.0048		145.9
	2		2.72	2.67	2.73	0.030		
beta-BHC	1		2.73	2.69	2.75	0.0087		62.2
	2		3.25	3.21	3.27	0.0046		
Aldrin	1		3.08	3.07	3.13	0.0054		53.7
	2		3.82	3.80	3.86	0.0094		
p,p'-DDE	1		4.05	4.03	4.09	0.019		18.5
	2		4.61	4.59	4.65	0.023		
p,p'-DDD	1		4.52	4.49	4.55	0.056		17.1
	2		5.00	4.98	5.04	0.047		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: DUP-UF-20210614 Lab Sample ID: 410-43723-11

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 12:50 Date Analyzed (2): 06/22/2021 12:50

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.23	2.20	2.26	0.29		163.2
	2		2.71	2.67	2.73	0.029		
gamma-BHC (Lindane)	1		2.51	2.49	2.55	0.014		7.8
	2		2.98	2.96	3.02	0.013		
alpha-Chlordane	1		3.87	3.85	3.91	0.023		28.0
	2		4.49	4.46	4.52	0.031		
Dieldrin	1		4.15	4.13	4.19	0.77		0.9
	2		4.71	4.69	4.75	0.78		
p,p'-DDT	1		4.72	4.70	4.76	0.090		62.8
	2		5.22	5.20	5.26	0.047		
Endosulfan sulfate	1		4.93	4.91	4.97	0.24		8.9
	2		5.36	5.35	5.41	0.26		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: DUP-F-20210614 Lab Sample ID: 410-43723-12

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 10:48 Date Analyzed (2): 06/22/2021 10:48

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.23	2.20	2.26	0.22		176.4
	2		2.72	2.67	2.73	0.014		
gamma-BHC (Lindane)	1		2.52	2.49	2.55	0.0097		17.6
	2		2.99	2.96	3.02	0.0081		
beta-BHC	1		2.72	2.69	2.75	0.0064		12.9
	2		3.24	3.21	3.27	0.0056		
Dieldrin	1		4.15	4.13	4.19	0.014		1.5
	2		4.72	4.69	4.75	0.014		
p,p'-DDT	1		4.72	4.70	4.76	0.010		52.4
	2		5.23	5.20	5.26	0.0061		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-140248/2-A

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 11:13 Date Analyzed (2): 06/22/2021 11:13

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.22	2.20	2.26	0.0949		2.5
	2		2.70	2.67	2.73	0.0926		
gamma-BHC (Lindane)	1		2.51	2.49	2.55	0.0962		3.1
	2		2.99	2.96	3.02	0.0933		
beta-BHC	1		2.71	2.69	2.75	0.0961		4.1
	2		3.23	3.21	3.27	0.0922		
Heptachlor	1		2.81	2.79	2.85	0.0466		6.2
	2		3.54	3.51	3.57	0.0438		
delta-BHC	1		2.96	2.94	3.00	0.0957		0.1
	2		3.47	3.45	3.51	0.0958		
Aldrin	1		3.09	3.07	3.13	0.0315		1.0
	2		3.82	3.80	3.86	0.0318		
Heptachlor epoxide	1		3.58	3.56	3.62	0.0894		1.0
	2		4.19	4.17	4.23	0.0903		
gamma-Chlordane	1		3.78	3.76	3.82	0.0717		3.0
	2		4.45	4.42	4.48	0.0696		
alpha-Chlordane	1		3.87	3.85	3.91	0.0768		0.7
	2		4.49	4.46	4.52	0.0763		
Endosulfan I	1		3.91	3.89	3.95	0.0850		3.2
	2		4.52	4.49	4.55	0.0878		
p,p'-DDE	1		4.05	4.03	4.09	0.137		0.0
	2		4.61	4.59	4.65	0.138		
Dieldrin	1		4.15	4.13	4.19	0.185		0.1
	2		4.72	4.69	4.75	0.185		
Endrin	1		4.40	4.38	4.44	0.185		2.4
	2		4.89	4.86	4.92	0.181		
p,p'-DDD	1		4.51	4.49	4.55	0.198		5.2
	2		5.00	4.98	5.04	0.188		
Endosulfan II	1		4.61	4.59	4.65	0.184		0.2
	2		5.09	5.06	5.12	0.183		
p,p'-DDT	1		4.72	4.70	4.76	0.189		1.4
	2		5.22	5.20	5.26	0.186		
Endrin aldehyde	1		4.78	4.76	4.82	0.175		1.3
	2		5.17	5.14	5.20	0.177		
Endosulfan sulfate	1		4.93	4.91	4.97	0.182		0.8
	2		5.37	5.35	5.41	0.183		
Methoxychlor	1		5.23	5.21	5.27	1.09		5.5
	2		5.54	5.51	5.57	1.03		
Endrin ketone	1		5.37	5.35	5.41	0.208		5.7
	2		5.67	5.64	5.70	0.197		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-140255/2-A

Instrument ID (1): 9191 Instrument ID (2): 9191

Date Analyzed (1): 06/22/2021 09:11 Date Analyzed (2): 06/22/2021 09:11

GC Column (1): DB CLP1 ID: 0.32(mm) GC Column (2): DB CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.23	2.20	2.26	0.0974		6.8
	2		2.70	2.67	2.73	0.0910		
gamma-BHC (Lindane)	1		2.52	2.49	2.55	0.0958		5.8
	2		2.99	2.96	3.02	0.0904		
beta-BHC	1		2.72	2.69	2.75	0.0964		7.3
	2		3.23	3.21	3.27	0.0896		
Heptachlor	1		2.82	2.79	2.85	0.0405		6.0
	2		3.54	3.51	3.57	0.0382		
delta-BHC	1		2.97	2.94	3.00	0.0944		2.7
	2		3.47	3.45	3.51	0.0970		
Aldrin	1		3.10	3.07	3.13	0.0285		2.9
	2		3.83	3.80	3.86	0.0277		
Heptachlor epoxide	1		3.59	3.56	3.62	0.0886		0.1
	2		4.19	4.17	4.23	0.0885		
gamma-Chlordane	1		3.79	3.76	3.82	0.0670		3.9
	2		4.45	4.42	4.48	0.0644		
alpha-Chlordane	1		3.87	3.85	3.91	0.0737		5.1
	2		4.49	4.46	4.52	0.0700		
Endosulfan I	1		3.92	3.89	3.95	0.0838		1.2
	2		4.52	4.49	4.55	0.0849		
p,p'-DDE	1		4.06	4.03	4.09	0.133		5.3
	2		4.61	4.59	4.65	0.126		
Dieldrin	1		4.15	4.13	4.19	0.181		3.0
	2		4.72	4.69	4.75	0.175		
Endrin	1		4.40	4.38	4.44	0.179		4.2
	2		4.89	4.86	4.92	0.172		
p,p'-DDD	1		4.52	4.49	4.55	0.196		6.6
	2		5.00	4.98	5.04	0.183		
Endosulfan II	1		4.62	4.59	4.65	0.180		2.4
	2		5.09	5.06	5.12	0.176		
p,p'-DDT	1		4.73	4.70	4.76	0.182		2.9
	2		5.22	5.20	5.26	0.176		
Endrin aldehyde	1		4.79	4.76	4.82	0.168		2.2
	2		5.17	5.14	5.20	0.164		
Endosulfan sulfate	1		4.94	4.91	4.97	0.174		4.9
	2		5.37	5.35	5.41	0.166		
Methoxychlor	1		5.23	5.21	5.27	1.03		9.4
	2		5.54	5.51	5.57	0.941		
Endrin ketone	1		5.37	5.35	5.41	0.200		8.1
	2		5.67	5.64	5.70	0.184		

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-UF-20210614 Lab Sample ID: 410-43723-1

Matrix: Ground Water Lab File ID: 10PEST21141035.029.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:23

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 245.6(mL) Date Analyzed: 06/22/2021 11:49

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.020	0.0020
319-84-6	alpha-BHC	ND		0.020	0.0031
319-86-8	delta-BHC	ND		0.020	0.0035
60-57-1	Dieldrin	ND		0.031	0.0054
959-98-8	Endosulfan I	ND		0.020	0.0044
33213-65-9	Endosulfan II	ND		0.041	0.015
1031-07-8	Endosulfan sulfate	ND		0.031	0.0059
72-20-8	Endrin	ND		0.031	0.0082
7421-93-4	Endrin aldehyde	ND	F2	0.10	0.020
53494-70-5	Endrin ketone	ND		0.031	0.0051
58-89-9	gamma-BHC (Lindane)	ND		0.020	0.0020
5103-74-2	gamma-Chlordane	ND		0.041	0.0071
76-44-8	Heptachlor	ND		0.020	0.0020
1024-57-3	Heptachlor epoxide	ND		0.020	0.0023
72-43-5	Methoxychlor	ND		0.11	0.031
8001-35-2	Toxaphene	ND		1.0	0.31
72-54-8	p,p'-DDD	ND		0.031	0.0051
72-55-9	p,p'-DDE	ND		0.031	0.0051
50-29-3	p,p'-DDT	ND		0.031	0.0053

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	104		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	75		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.029.D
Lims ID: 410-43723-A-1-C
Client ID: MW-3-UF-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 11:49:00 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-1-C
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.822	1.825	-0.003	1881446412	H 11.4	
2	2.367	2.368	-0.001	1112099922	H 11.1	
					RPD = 2.50	
2 Hexachlorobenzene						
1	2.162	2.167	-0.005	2149474	H 0.0114	
2	2.768	2.777	-0.009	806698	H 0.006081	
					RPD = 60.69	
3 alpha-BHC						
1	2.237	2.232	0.005	1188593	H 0.004815	
2	2.705	2.702	0.003	1290635	H 0.009058	
					RPD = 61.17	
4 gamma-BHC (Lindane)						
1	2.513	2.520	-0.007	481250	H 0.002238	
2	2.978	2.990	-0.012	3202125	H 0.0261	
					RPD = 168.40	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)						U
1		2.663			ND	
1		3.237				
1		3.617				
1		3.792				
1		3.873				
2		3.352				
2		3.840				
2		4.225				
2		4.452				
2		4.490				
6 beta-BHC						
1	2.718	2.722	-0.004	25999450H	0.2615	
2	3.227	3.237	-0.010	1748465H	0.0298	
					RPD = 159.06	
7 Heptachlor						
1	2.815	2.820	-0.005	6183594H	0.0363	
2	3.538	3.543	-0.005	888662H	0.007508	
					RPD = 131.52	
8 delta-BHC						
1	2.980	2.973	0.007	5122531H	0.0244	
2	3.477	3.477	0.000	824582H	0.006366	
					RPD = 117.25	
9 Aldrin						
1	3.108	3.100	0.008	1602831H	0.009089	
2	3.840	3.828	0.012	12782788H	0.1091	
					RPD = 169.24	
10 Isobenzan						
1	3.198	3.205	-0.007	3543500H	0.0307	
2	3.950	3.937	0.013	2635733H	0.0284	
					RPD = 7.85	
11 Heptachlor epoxide						
1	3.588	3.592	-0.004	15212169H	0.0917	
2	4.193	4.197	-0.004	8241355H	0.0757	
					RPD = 19.14	
12 trans-Chlordane						
1	3.790	3.793	-0.003	41371853H	0.2470	
2	4.450	4.453	-0.003	68084782H	0.5893	
					RPD = 81.87	
13 2,4'-DDE						
1	3.812	3.803	0.009	18544145H	0.1644	
2	4.332	4.333	-0.001	2007295H	0.0238	
					RPD = 149.48	
14 cis-Chlordane						
1	3.872	3.875	-0.003	73112413H	0.4255	
2	4.488	4.492	-0.004	53421317H	0.4718	
					RPD = 10.33	
15 Endosulfan I						7
1	3.927	3.918	0.009	15899781H	0.0981	
2	4.527	4.520	0.007	15519728H	0.1478	
					RPD = 40.38	

LOD = 0.1013

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
16 4,4'-DDE						7
1	4.057	4.058	-0.001	11487147H	0.0658	
2	4.612	4.615	-0.003	5853315H	0.0505	
					RPD = 26.33	
LOD = 0.2046						
17 Dieldrin						7
1	4.150	4.155	-0.005	36014963H	0.2054	
2	4.717	4.720	-0.003	22615284H	0.2003	
					RPD = 2.49	
LOD = 0.2161						
18 2,4'-DDD						
1	4.207	4.222	-0.015	9969856H	0.1127	
2	4.687	4.692	-0.005	8081850H	0.1192	
					RPD = 5.68	
19 Endrin						
1		4.405			ND	
2		4.893				
20 2,4'-DDT						
1	4.462	4.453	0.009	1499400H	0.0164	
2	4.922	4.923	-0.001	32109179H	-0.1893	
					RPD = -238.03	
21 Kepone						
1	4.487	4.487	0.000	767917H	0.008579	
2	5.115	5.115	0.000	4676563H	0.0819	
					RPD = 162.08	
22 4,4'-DDD						7
1	4.528	4.518	0.010	4926256H	0.0360	
2	5.002	5.005	-0.003	6707131H	0.0715	
					RPD = 65.99	
LOD = 0.1943						
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.635	4.617	0.018	51226361H	0.3228	
2	5.107	5.090	0.017	3721442H	0.0380	
					RPD = 157.91	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.722	4.728	-0.006	25315490H	0.1929	
2	5.247	5.228	0.019	2271975H	0.0261	
					RPD = 152.25	
LOD = 0.2113						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
25 Endrin aldehyde						7
1	4.787	4.792	-0.005	2997971H	0.0220	
2	5.157	5.170	-0.013	15194604H	0.1813	
					RPD = 156.65	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.933	4.943	-0.010	3167911H	0.0198	
2	5.373	5.377	-0.004	1911599H	0.0193	
					RPD = 2.29	
28 Methoxychlor						7
1	5.233	5.235	-0.002	2854831H	0.0428	
2	5.532	5.542	-0.010	2480122H	0.0542	
					RPD = 23.48	
LOD = 1.24						
29 Endrin ketone						
1	5.377	5.375	0.002	1759222H	0.0105	
2	5.672	5.672	0.000	4332112H	0.0413	
					RPD = 118.66	
30 Mirex						
1	5.462	5.460	0.002	953387H	0.007632	
2	6.023	6.025	-0.002	182688H	0.002245	
					RPD = 109.08	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.132	6.137	-0.005	2698463894H	15.6	
2	6.640	6.645	-0.005	1303374731H	15.1	
					RPD = 3.40	
S 32 Total DDTs						
1					-0.1631	
2					0.2093	
					RPD = 1612.51	
S 33 Endosulfan, Total						
1					0.1858	
2					0.4209	
					RPD = 77.51	
34 Hexachlorocyclopentadiene						
1		0.000			ND	
2		0.000				
35 trans-Nonachlor						
1		0.000			ND	
2		0.000				
36 Captan						
1		0.000			ND	
37 Captafol						
1		0.000			ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

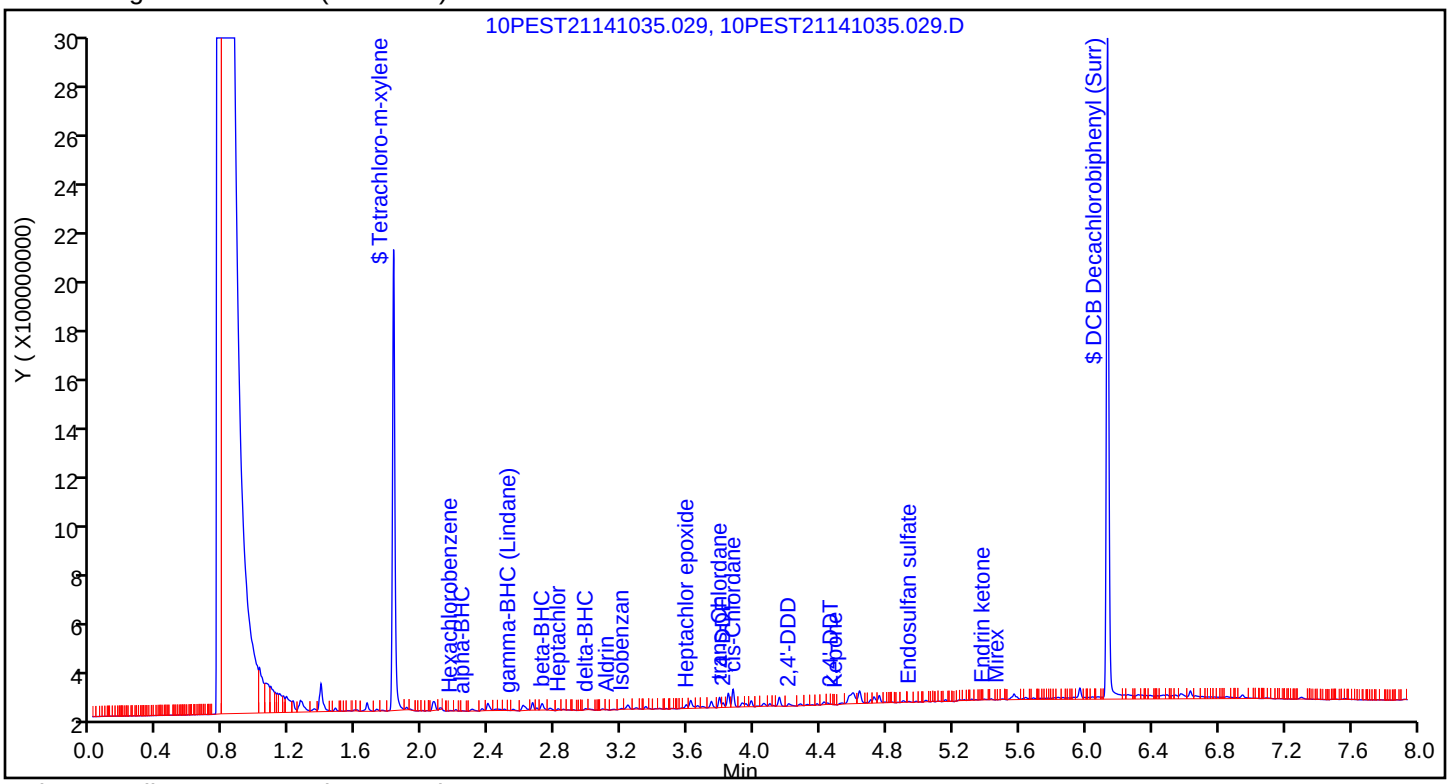
Report Date: 22-Jun-2021 15:51:53 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

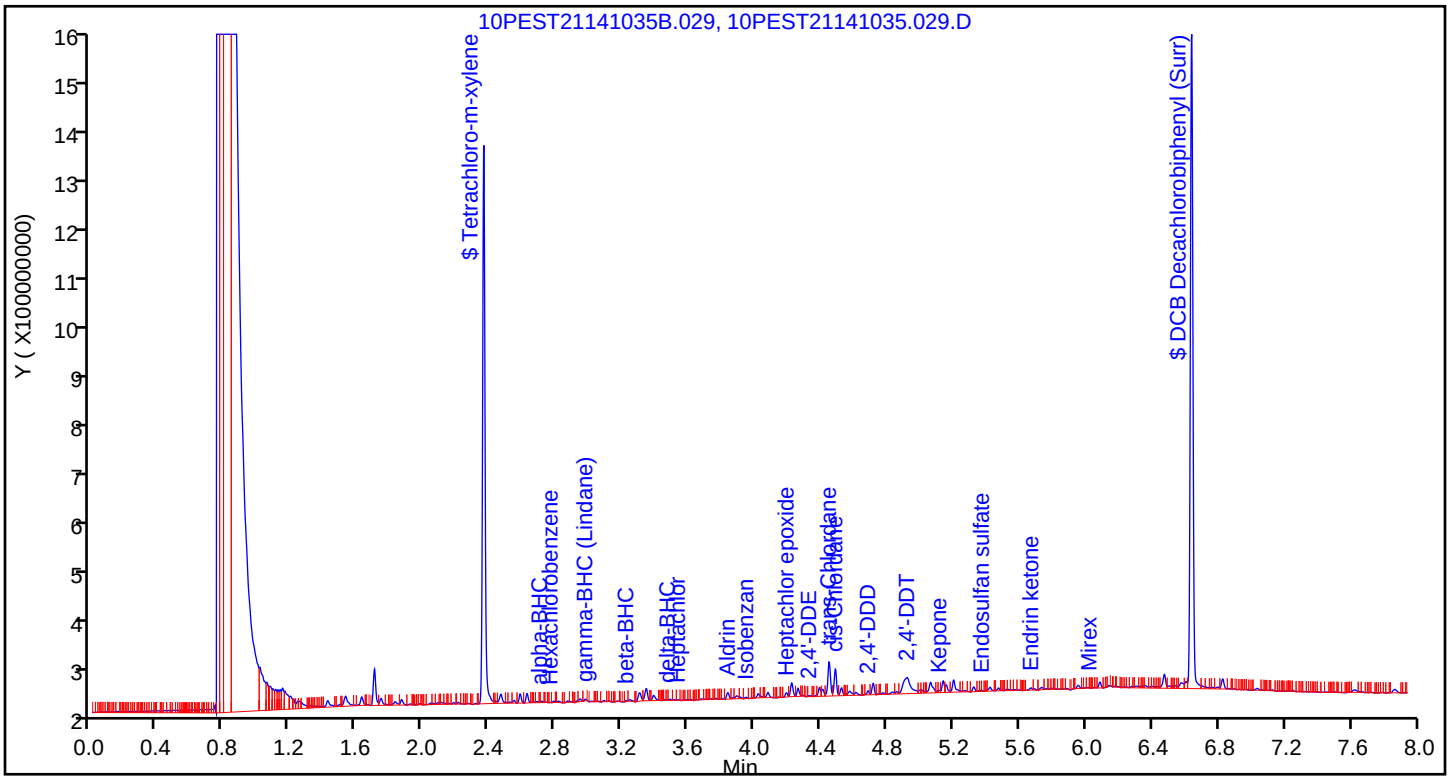
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.029.D

Injection Date:	22-Jun-2021 11:49:00	Instrument ID:	9191		
Lims ID:	410-43723-A-1-C	Lab Sample ID:	410-43723-1		
Client ID:	MW-3-UF-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-UF-20210614 Lab Sample ID: 410-43723-1

Matrix: Ground Water Lab File ID: 10PEST21141035.029.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:23

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 245.6(mL) Date Analyzed: 06/22/2021 11:49

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
5103-71-9	alpha-Chlordane	0.0096	J	0.020	0.0031
319-85-7	beta-BHC	ND		0.020	0.0035

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	100		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	74		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.029.D
Lims ID: 410-43723-A-1-C
Client ID: MW-3-UF-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 11:49:00 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-1-C
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.822	1.825	-0.003	1881446412	H 11.4	
2	2.367	2.368	-0.001	1112099922	H 11.1	
					RPD = 2.50	
2 Hexachlorobenzene						
1	2.162	2.167	-0.005	2149474	H 0.0114	
2	2.768	2.777	-0.009	806698	H 0.006081	
					RPD = 60.69	
3 alpha-BHC						
1	2.237	2.232	0.005	1188593	H 0.004815	
2	2.705	2.702	0.003	1290635	H 0.009058	
					RPD = 61.17	
4 gamma-BHC (Lindane)						
1	2.513	2.520	-0.007	481250	H 0.002238	
2	2.978	2.990	-0.012	3202125	H 0.0261	
					RPD = 168.40	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)						U
1		2.663			ND	
1		3.237				
1		3.617				
1		3.792				
1		3.873				
2		3.352				
2		3.840				
2		4.225				
2		4.452				
2		4.490				
6 beta-BHC						
1	2.718	2.722	-0.004	25999450H	0.2615	
2	3.227	3.237	-0.010	1748465H	0.0298	
					RPD = 159.06	
7 Heptachlor						
1	2.815	2.820	-0.005	6183594H	0.0363	
2	3.538	3.543	-0.005	888662H	0.007508	
					RPD = 131.52	
8 delta-BHC						
1	2.980	2.973	0.007	5122531H	0.0244	
2	3.477	3.477	0.000	824582H	0.006366	
					RPD = 117.25	
9 Aldrin						
1	3.108	3.100	0.008	1602831H	0.009089	
2	3.840	3.828	0.012	12782788H	0.1091	
					RPD = 169.24	
10 Isobenzan						
1	3.198	3.205	-0.007	3543500H	0.0307	
2	3.950	3.937	0.013	2635733H	0.0284	
					RPD = 7.85	
11 Heptachlor epoxide						
1	3.588	3.592	-0.004	15212169H	0.0917	
2	4.193	4.197	-0.004	8241355H	0.0757	
					RPD = 19.14	
12 trans-Chlordane						
1	3.790	3.793	-0.003	41371853H	0.2470	
2	4.450	4.453	-0.003	68084782H	0.5893	
					RPD = 81.87	
13 2,4'-DDE						
1	3.812	3.803	0.009	18544145H	0.1644	
2	4.332	4.333	-0.001	2007295H	0.0238	
					RPD = 149.48	
14 cis-Chlordane						
1	3.872	3.875	-0.003	73112413H	0.4255	
2	4.488	4.492	-0.004	53421317H	0.4718	
					RPD = 10.33	
15 Endosulfan I						7
1	3.927	3.918	0.009	15899781H	0.0981	
2	4.527	4.520	0.007	15519728H	0.1478	
					RPD = 40.38	

LOD = 0.1013

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
16 4,4'-DDE						7
1	4.057	4.058	-0.001	11487147H	0.0658	
2	4.612	4.615	-0.003	5853315H	0.0505	
					RPD = 26.33	
LOD = 0.2046						
17 Dieldrin						7
1	4.150	4.155	-0.005	36014963H	0.2054	
2	4.717	4.720	-0.003	22615284H	0.2003	
					RPD = 2.49	
LOD = 0.2161						
18 2,4'-DDD						
1	4.207	4.222	-0.015	9969856H	0.1127	
2	4.687	4.692	-0.005	8081850H	0.1192	
					RPD = 5.68	
19 Endrin						
1		4.405			ND	
2		4.893				
20 2,4'-DDT						
1	4.462	4.453	0.009	1499400H	0.0164	
2	4.922	4.923	-0.001	32109179H	-0.1893	
					RPD = -238.03	
21 Kepone						
1	4.487	4.487	0.000	767917H	0.008579	
2	5.115	5.115	0.000	4676563H	0.0819	
					RPD = 162.08	
22 4,4'-DDD						7
1	4.528	4.518	0.010	4926256H	0.0360	
2	5.002	5.005	-0.003	6707131H	0.0715	
					RPD = 65.99	
LOD = 0.1943						
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.635	4.617	0.018	51226361H	0.3228	
2	5.107	5.090	0.017	3721442H	0.0380	
					RPD = 157.91	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.722	4.728	-0.006	25315490H	0.1929	
2	5.247	5.228	0.019	2271975H	0.0261	
					RPD = 152.25	
LOD = 0.2113						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
25 Endrin aldehyde						7
1	4.787	4.792	-0.005	2997971H	0.0220	
2	5.157	5.170	-0.013	15194604H	0.1813	
					RPD = 156.65	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.933	4.943	-0.010	3167911H	0.0198	
2	5.373	5.377	-0.004	1911599H	0.0193	
					RPD = 2.29	
28 Methoxychlor						7
1	5.233	5.235	-0.002	2854831H	0.0428	
2	5.532	5.542	-0.010	2480122H	0.0542	
					RPD = 23.48	
LOD = 1.24						
29 Endrin ketone						
1	5.377	5.375	0.002	1759222H	0.0105	
2	5.672	5.672	0.000	4332112H	0.0413	
					RPD = 118.66	
30 Mirex						
1	5.462	5.460	0.002	953387H	0.007632	
2	6.023	6.025	-0.002	182688H	0.002245	
					RPD = 109.08	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.132	6.137	-0.005	2698463894H	15.6	
2	6.640	6.645	-0.005	1303374731H	15.1	
					RPD = 3.40	
S 32 Total DDTs						
1					-0.1631	
2					0.2093	
					RPD = 1612.51	
S 33 Endosulfan, Total						
1					0.1858	
2					0.4209	
					RPD = 77.51	
34 Hexachlorocyclopentadiene						
1		0.000			ND	
2		0.000				
35 trans-Nonachlor						
1		0.000			ND	
2		0.000				
36 Captan						
1		0.000			ND	
37 Captafol						
1		0.000			ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:53 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.029.D

Injection Date: 22-Jun-2021 11:49:00 Instrument ID: 9191

Lims ID: 410-43723-A-1-C Lab Sample ID: 410-43723-1

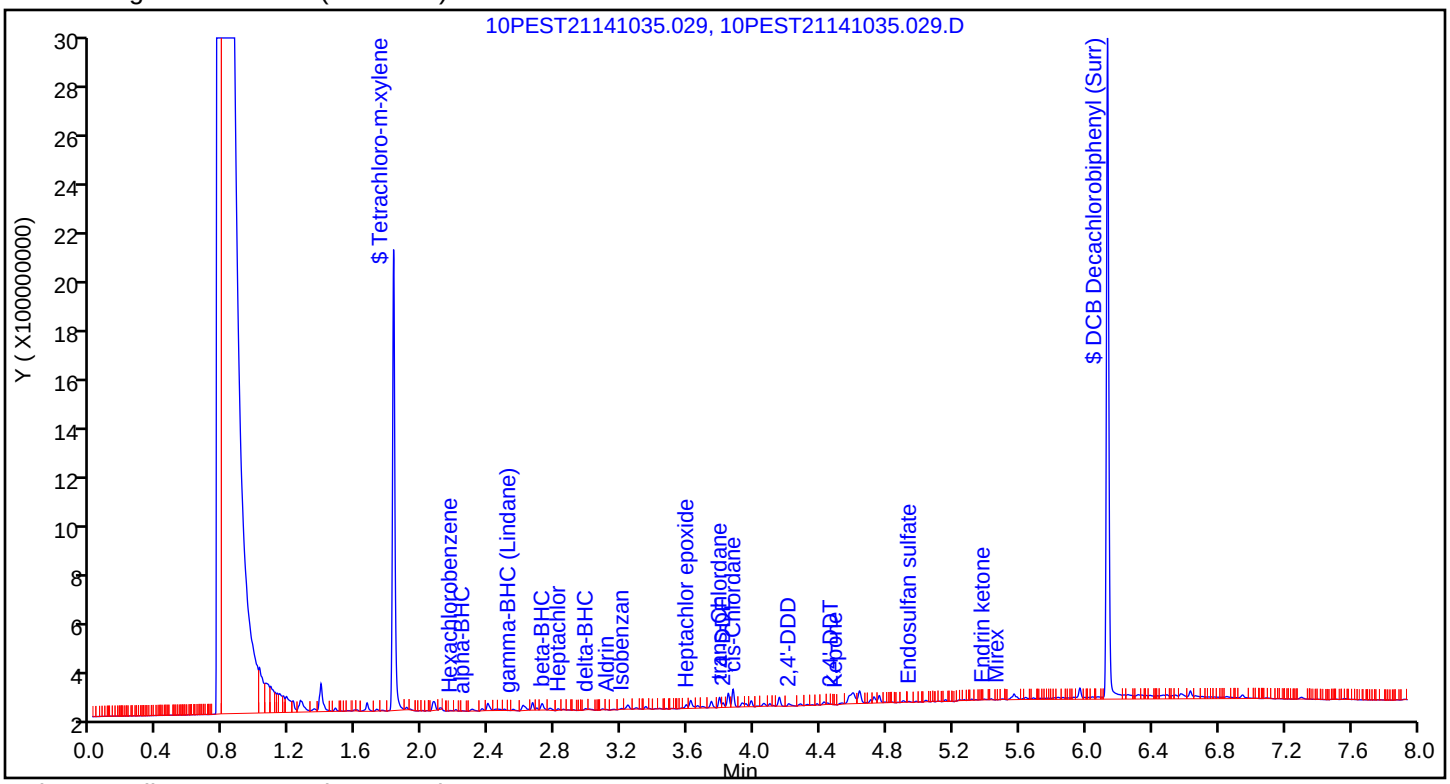
Client ID: MW-3-UF-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 29

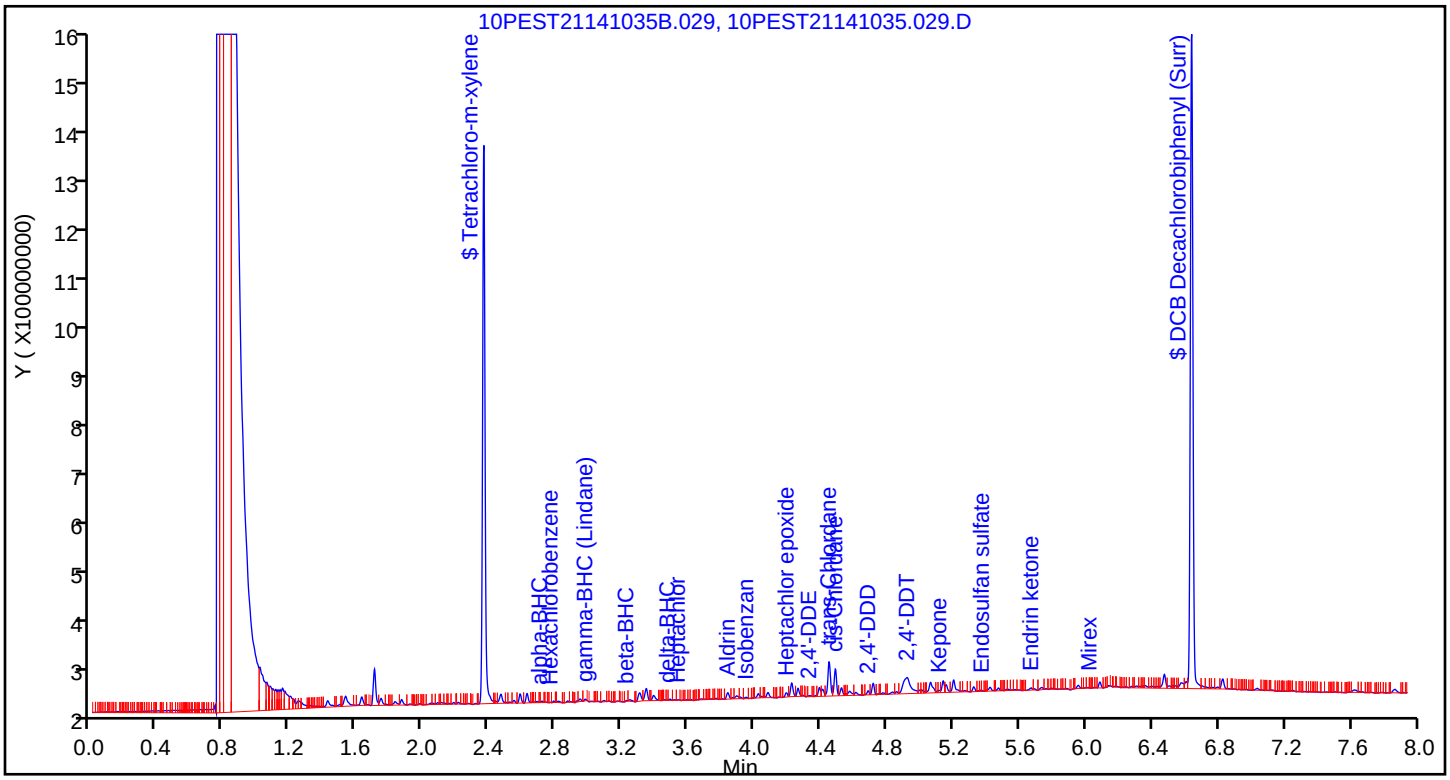
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-F-20210614 Lab Sample ID: 410-43723-2

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.019.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:26

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 249.5(mL) Date Analyzed: 06/22/2021 09:47

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.020	0.0020
319-84-6	alpha-BHC	ND		0.020	0.0030
5103-71-9	alpha-Chlordane	ND		0.020	0.0030
60-57-1	Dieldrin	ND		0.030	0.0053
959-98-8	Endosulfan I	ND		0.020	0.0043
33213-65-9	Endosulfan II	ND		0.040	0.015
1031-07-8	Endosulfan sulfate	ND		0.030	0.0058
72-20-8	Endrin	ND		0.030	0.0081
7421-93-4	Endrin aldehyde	ND		0.10	0.020
53494-70-5	Endrin ketone	ND		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	ND		0.020	0.0020
5103-74-2	gamma-Chlordane	ND		0.040	0.0070
76-44-8	Heptachlor	ND	F1	0.020	0.0020
1024-57-3	Heptachlor epoxide	ND		0.020	0.0023
72-43-5	Methoxychlor	ND		0.11	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	ND		0.030	0.0050
72-55-9	p,p'-DDE	ND		0.030	0.0050
50-29-3	p,p'-DDT	ND		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	92		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	57		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.019.D
Lims ID: 410-43723-A-2-C
Client ID: MW-3-F-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 09:47:00 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-2-C
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:47:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.820	1.825	-0.005	1432928843	H 8.66	
2	2.363	2.368	-0.005	838825829	H 8.37	
					RPD = 3.47	
2 Hexachlorobenzene						
1	2.160	2.167	-0.007	18319330	H 0.0970	
2	2.768	2.777	-0.009	6762093	H 0.0510	
					RPD = 62.20	
3 alpha-BHC						
1	2.232	2.232	0.000	4481193	H 0.0182	
2	2.713	2.702	0.011	3743860	H 0.0263	
					RPD = 36.56	
4 gamma-BHC (Lindane)						
1	2.525	2.520	0.005	2112198	H 0.009825	
2	2.972	2.990	-0.018	3027753	H 0.0247	
					RPD = 86.09	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)						U
1		2.663			ND	
1		3.237				
1		3.617				
1		3.792				
1		3.873				
2		3.352				
2		3.840				
2		4.225				
2		4.452				
2		4.490				
6 beta-BHC						
1	2.717	2.722	-0.005	23541556H	0.2368	
2	3.227	3.237	-0.010	1673545H	0.0285	
					RPD = 156.97	
7 Heptachlor						
1	2.810	2.820	-0.010	4063360H	0.0239	
2	3.548	3.543	0.005	15449951H	0.1305	
					RPD = 138.13	
8 delta-BHC						
1	2.985	2.973	0.012	38315113H	0.1826	
2	3.490	3.477	0.013	4815436H	0.0372	
					RPD = 132.33	
9 Aldrin						
1	3.100	3.100	0.000	384306H	0.002179	
2	3.837	3.828	0.009	2458765H	0.0210	
					RPD = 162.37	
10 Isobenzan						
1	3.200	3.205	-0.005	621266H	0.005378	
2	3.937	3.937	0.000	300866H	0.003237	
					RPD = 49.71	
11 Heptachlor epoxide						
1	3.585	3.592	-0.007	3730184H	0.0225	
2	4.188	4.197	-0.009	3473529H	0.0319	
					RPD = 34.62	
12 trans-Chlordane						
1	3.788	3.793	-0.005	6913633H	0.0413	
2	4.448	4.453	-0.005	15165678H	0.1313	
					RPD = 104.32	
13 2,4'-DDE						
1	3.807	3.803	0.004	3298304H	0.0292	
2	4.332	4.333	-0.001	700746H	0.008297	
					RPD = 111.59	
14 cis-Chlordane						7
1	3.868	3.875	-0.007	11806698H	0.0687	
2	4.487	4.492	-0.005	10717020H	0.0947	
					RPD = 31.76	

LOD = 0.1159

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
15 Endosulfan I						7
1	3.923	3.918	0.005	3803276H	0.0235	
2	4.520	4.520	0.000	3198501H	0.0305	
					RPD = 25.90	
LOD = 0.1013						
16 4,4'-DDE						7
1	4.057	4.058	-0.001	3213674H	0.0184	
2	4.615	4.615	0.000	2381240H	0.0205	
					RPD = 10.95	
LOD = 0.2046						
17 Dieldrin						7
1	4.143	4.155	-0.012	13322531H	0.0760	
2	4.713	4.720	-0.007	7058226H	0.0625	
					RPD = 19.42	
LOD = 0.2161						
18 2,4'-DDD						
1	4.222	4.222	0.000	918085H	0.0104	
2	4.672	4.692	-0.020	1734386H	0.0256	
					RPD = 84.62	
19 Endrin						
1		4.405			ND	
2		4.893				
20 2,4'-DDT						
1	4.455	4.453	0.002	507785H	0.005566	
2	4.925	4.923	0.002	34540723H	-0.1526	
					RPD = -215.14	
21 Kepone						
1	4.483	4.487	-0.004	570125H	0.006369	
2	5.108	5.115	-0.007	1203788H	0.0211	
					RPD = 107.21	
22 4,4'-DDD						7
1	4.525	4.518	0.007	1018797H	0.007451	
2	5.002	5.005	-0.003	3132362H	0.0334	
					RPD = 127.04	
LOD = 0.1943						
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.628	4.617	0.011	15495231H	0.0976	
2	5.070	5.090	-0.020	13022562H	0.1328	
					RPD = 30.55	
LOD = 0.2854						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
24 4,4'-DDT						7
1	4.728	4.728	0.000	18368687H	0.1400	
2	5.225	5.228	-0.003	2006946H	0.0231	
					RPD = 143.34	
LOD = 0.2113						
25 Endrin aldehyde						7
1	4.798	4.792	0.006	2118650H	0.0156	
2	5.157	5.170	-0.013	343670H	0.004102	
					RPD = 116.63	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.943	4.943	0.000	273907H	0.001709	
2	5.363	5.377	-0.014	1866408H	0.0189	
					RPD = 166.77	
28 Methoxychlor						7
1	5.247	5.235	0.012	36111240H	0.5410	
2	5.552	5.542	0.010	582488H	0.0127	
					RPD = 190.81	
LOD = 1.24						
29 Endrin ketone						
1	5.383	5.375	0.008	9911340H	0.0594	
2	5.673	5.672	0.001	20325284H	0.1938	
					RPD = 106.15	
30 Mirex						
1	5.478	5.460	0.018	4386786H	0.0351	
2	6.027	6.025	0.002	368975H	0.004534	
					RPD = 154.26	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.130	6.137	-0.007	2391391010H	13.8	
2	6.637	6.645	-0.008	1183064186H	13.7	
					RPD = 1.00	
S 32 Total DDTs						
1					-0.1295	
2					0.1455	
					RPD = 3431.08	
S 33 Endosulfan, Total						
1					0.1633	
2					0.1211	
					RPD = 29.67	
34 Hexachlorocyclopentadiene						
1		0.000			ND	
2		0.000				
35 trans-Nonachlor						
1		0.000			ND	
2		0.000				
36 Captan						
1		0.000			ND	
37 Captafol						
1		0.000			ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

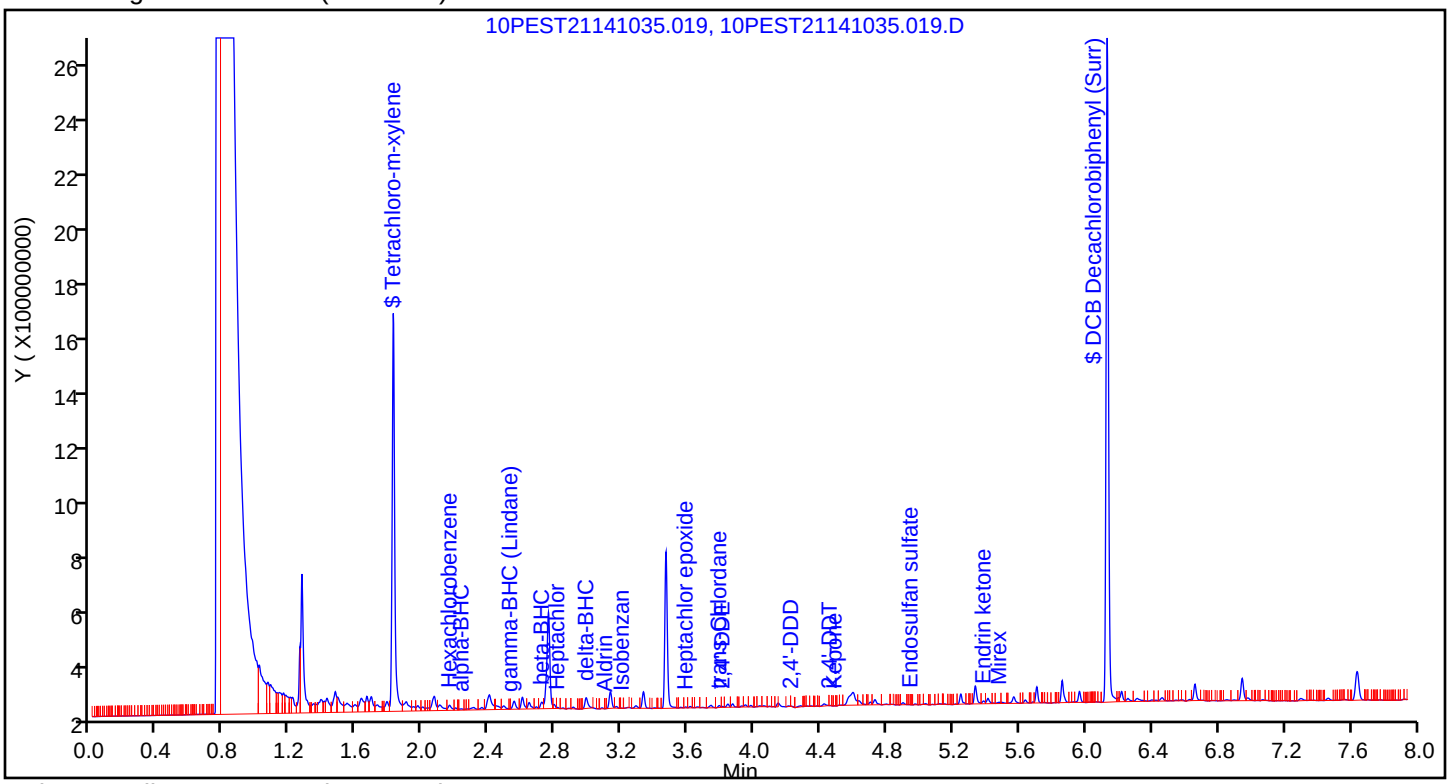
Report Date: 22-Jun-2021 15:51:37 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

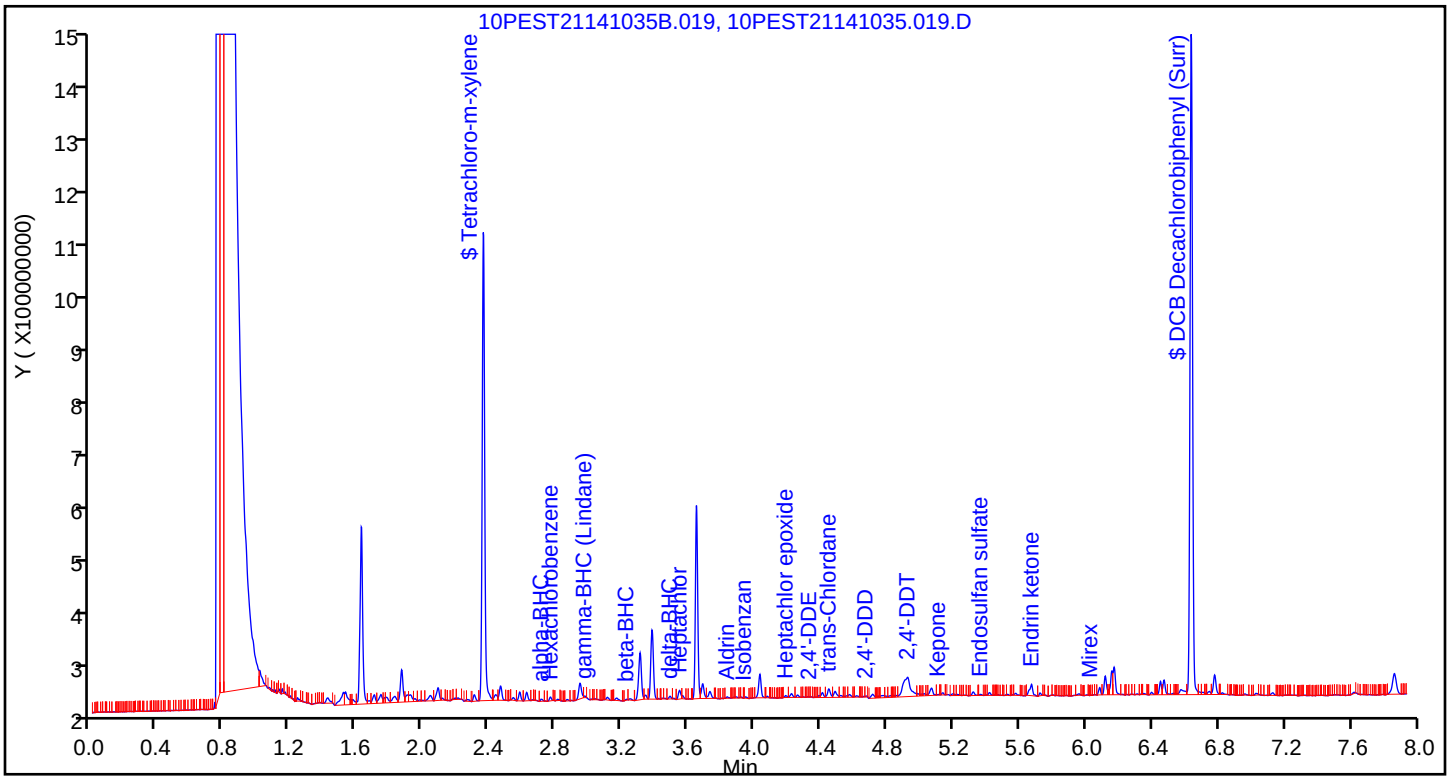
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.019.D

Injection Date:	22-Jun-2021 09:47:00	Instrument ID:	9191		
Lims ID:	410-43723-A-2-C	Lab Sample ID:	410-43723-2		
Client ID:	MW-3-F-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-F-20210614 Lab Sample ID: 410-43723-2

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.019.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:26

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 249.5(mL) Date Analyzed: 06/22/2021 09:47

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-85-7	beta-BHC	ND		0.020	0.0034
319-86-8	delta-BHC	ND		0.020	0.0034

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	91		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	56		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.019.D
Lims ID: 410-43723-A-2-C
Client ID: MW-3-F-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 09:47:00 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-2-C
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:47:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.820	1.825	-0.005	1432928843	H 8.66	
2	2.363	2.368	-0.005	838825829	H 8.37	
					RPD = 3.47	
2 Hexachlorobenzene						
1	2.160	2.167	-0.007	18319330	H 0.0970	
2	2.768	2.777	-0.009	6762093	H 0.0510	
					RPD = 62.20	
3 alpha-BHC						
1	2.232	2.232	0.000	4481193	H 0.0182	
2	2.713	2.702	0.011	3743860	H 0.0263	
					RPD = 36.56	
4 gamma-BHC (Lindane)						
1	2.525	2.520	0.005	2112198	H 0.009825	
2	2.972	2.990	-0.018	3027753	H 0.0247	
					RPD = 86.09	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)						U
1		2.663			ND	
1		3.237				
1		3.617				
1		3.792				
1		3.873				
2		3.352				
2		3.840				
2		4.225				
2		4.452				
2		4.490				
6 beta-BHC						
1	2.717	2.722	-0.005	23541556H	0.2368	
2	3.227	3.237	-0.010	1673545H	0.0285	
					RPD = 156.97	
7 Heptachlor						
1	2.810	2.820	-0.010	4063360H	0.0239	
2	3.548	3.543	0.005	15449951H	0.1305	
					RPD = 138.13	
8 delta-BHC						
1	2.985	2.973	0.012	38315113H	0.1826	
2	3.490	3.477	0.013	4815436H	0.0372	
					RPD = 132.33	
9 Aldrin						
1	3.100	3.100	0.000	384306H	0.002179	
2	3.837	3.828	0.009	2458765H	0.0210	
					RPD = 162.37	
10 Isobenzan						
1	3.200	3.205	-0.005	621266H	0.005378	
2	3.937	3.937	0.000	300866H	0.003237	
					RPD = 49.71	
11 Heptachlor epoxide						
1	3.585	3.592	-0.007	3730184H	0.0225	
2	4.188	4.197	-0.009	3473529H	0.0319	
					RPD = 34.62	
12 trans-Chlordane						
1	3.788	3.793	-0.005	6913633H	0.0413	
2	4.448	4.453	-0.005	15165678H	0.1313	
					RPD = 104.32	
13 2,4'-DDE						
1	3.807	3.803	0.004	3298304H	0.0292	
2	4.332	4.333	-0.001	700746H	0.008297	
					RPD = 111.59	
14 cis-Chlordane						7
1	3.868	3.875	-0.007	11806698H	0.0687	
2	4.487	4.492	-0.005	10717020H	0.0947	
					RPD = 31.76	

LOD = 0.1159

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
15 Endosulfan I						7
1	3.923	3.918	0.005	3803276H	0.0235	
2	4.520	4.520	0.000	3198501H	0.0305	
					RPD = 25.90	
LOD = 0.1013						
16 4,4'-DDE						7
1	4.057	4.058	-0.001	3213674H	0.0184	
2	4.615	4.615	0.000	2381240H	0.0205	
					RPD = 10.95	
LOD = 0.2046						
17 Dieldrin						7
1	4.143	4.155	-0.012	13322531H	0.0760	
2	4.713	4.720	-0.007	7058226H	0.0625	
					RPD = 19.42	
LOD = 0.2161						
18 2,4'-DDD						
1	4.222	4.222	0.000	918085H	0.0104	
2	4.672	4.692	-0.020	1734386H	0.0256	
					RPD = 84.62	
19 Endrin						
1		4.405			ND	
2		4.893				
20 2,4'-DDT						
1	4.455	4.453	0.002	507785H	0.005566	
2	4.925	4.923	0.002	34540723H	-0.1526	
					RPD = -215.14	
21 Kepone						
1	4.483	4.487	-0.004	570125H	0.006369	
2	5.108	5.115	-0.007	1203788H	0.0211	
					RPD = 107.21	
22 4,4'-DDD						7
1	4.525	4.518	0.007	1018797H	0.007451	
2	5.002	5.005	-0.003	3132362H	0.0334	
					RPD = 127.04	
LOD = 0.1943						
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.628	4.617	0.011	15495231H	0.0976	
2	5.070	5.090	-0.020	13022562H	0.1328	
					RPD = 30.55	
LOD = 0.2854						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
24 4,4'-DDT						7
1	4.728	4.728	0.000	18368687H	0.1400	
2	5.225	5.228	-0.003	2006946H	0.0231	
					RPD = 143.34	
LOD = 0.2113						
25 Endrin aldehyde						7
1	4.798	4.792	0.006	2118650H	0.0156	
2	5.157	5.170	-0.013	343670H	0.004102	
					RPD = 116.63	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.943	4.943	0.000	273907H	0.001709	
2	5.363	5.377	-0.014	1866408H	0.0189	
					RPD = 166.77	
28 Methoxychlor						7
1	5.247	5.235	0.012	36111240H	0.5410	
2	5.552	5.542	0.010	582488H	0.0127	
					RPD = 190.81	
LOD = 1.24						
29 Endrin ketone						
1	5.383	5.375	0.008	9911340H	0.0594	
2	5.673	5.672	0.001	20325284H	0.1938	
					RPD = 106.15	
30 Mirex						
1	5.478	5.460	0.018	4386786H	0.0351	
2	6.027	6.025	0.002	368975H	0.004534	
					RPD = 154.26	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.130	6.137	-0.007	2391391010H	13.8	
2	6.637	6.645	-0.008	1183064186H	13.7	
					RPD = 1.00	
S 32 Total DDTs						
1					-0.1295	
2					0.1455	
					RPD = 3431.08	
S 33 Endosulfan, Total						
1					0.1633	
2					0.1211	
					RPD = 29.67	
34 Hexachlorocyclopentadiene						
1		0.000			ND	
2		0.000				
35 trans-Nonachlor						
1		0.000			ND	
2		0.000				
36 Captan						
1		0.000			ND	
37 Captafol						
1		0.000			ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:37 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.019.D

Injection Date: 22-Jun-2021 09:47:00 Instrument ID: 9191

Lims ID: 410-43723-A-2-C Lab Sample ID: 410-43723-2

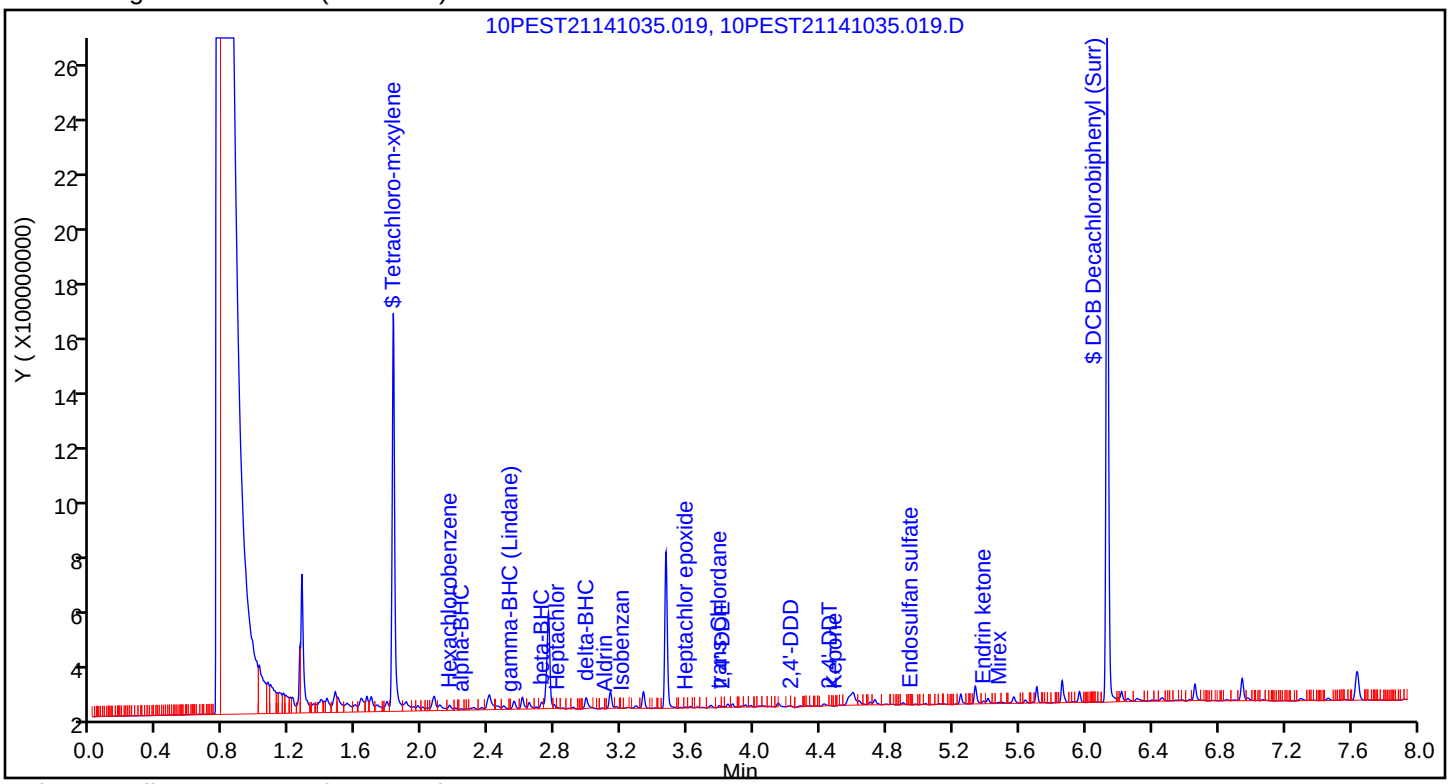
Client ID: MW-3-F-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 19

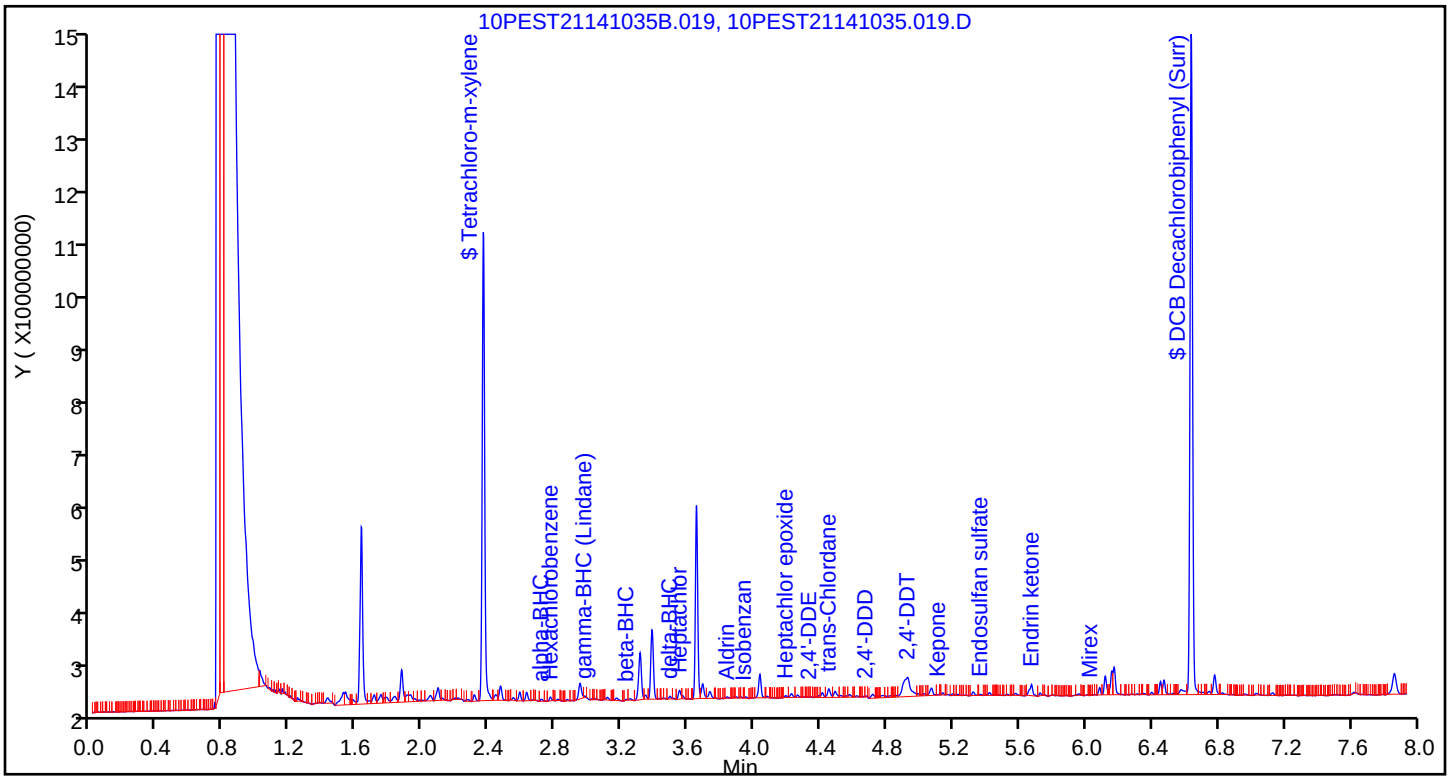
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-5-UF-20210614 Lab Sample ID: 410-43723-3

Matrix: Ground Water Lab File ID: 10PEST21141035.030.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:28

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 249.6(mL) Date Analyzed: 06/22/2021 12:02

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.020	0.0020
319-84-6	alpha-BHC	ND		0.020	0.0030
5103-71-9	alpha-Chlordane	ND		0.020	0.0030
319-86-8	delta-BHC	ND		0.020	0.0034
959-98-8	Endosulfan I	ND		0.020	0.0043
33213-65-9	Endosulfan II	ND		0.040	0.015
1031-07-8	Endosulfan sulfate	ND		0.030	0.0058
72-20-8	Endrin	ND		0.030	0.0081
53494-70-5	Endrin ketone	ND		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	ND		0.020	0.0020
5103-74-2	gamma-Chlordane	ND		0.040	0.0070
76-44-8	Heptachlor	ND		0.020	0.0020
1024-57-3	Heptachlor epoxide	ND		0.020	0.0023
72-43-5	Methoxychlor	ND		0.11	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-55-9	p,p'-DDE	ND		0.030	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	93		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	60		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.030.D
Lims ID: 410-43723-A-3-A
Client ID: MW-5-UF-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 12:02:00 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-3-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.820	1.825	-0.005	1501704205H	9.08	
2	2.365	2.368	-0.003	901679728H	9.00	
					RPD = 0.93	
3 alpha-BHC						
1	2.232	2.232	0.000	8865716H	0.0359	
2	2.715	2.702	0.013	33959253H	0.2383	
					RPD = 147.62	
4 gamma-BHC (Lindane)						
1	2.515	2.520	-0.005	4820774H	0.0224	
2	2.982	2.990	-0.008	6169306H	0.0503	
					RPD = 76.63	
6 beta-BHC						
1	2.717	2.722	-0.005	16693091H	0.1679	
2	3.228	3.237	-0.009	2150014H	0.0367	
					RPD = 128.31	
7 Heptachlor						
1	2.813	2.820	-0.007	5040056H	0.0296	
2	3.543	3.543	0.000	657264H	0.005553	
					RPD = 136.86	
8 delta-BHC						
1	2.978	2.973	0.005	2851047H	0.0136	
2	3.488	3.477	0.011	3271589H	0.0253	
					RPD = 60.10	
9 Aldrin						
1	3.105	3.100	0.005	968411H	0.005492	
2	3.837	3.828	0.009	6356360H	0.0543	
					RPD = 163.23	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.588	3.592	-0.004	3459032H	0.0209	
2	4.192	4.197	-0.005	8004576H	0.0735	
					RPD = 111.61	
12 trans-Chlordane						
1	3.788	3.793	-0.005	10219938H	0.0610	
2	4.453	4.453	0.000	33379889H	0.2889	
					RPD = 130.26	
14 cis-Chlordane						7
1	3.870	3.875	-0.005	17728218H	0.1032	
2	4.487	4.492	-0.005	16660998H	0.1472	
					RPD = 35.14	
LOD = 0.1159						
15 Endosulfan I						7
1	3.933	3.918	0.015	14713929H	0.0908	
2	4.525	4.520	0.005	4258265H	0.0406	
					RPD = 76.53	
LOD = 0.1013						
16 4,4'-DDE						7
1	4.052	4.058	-0.006	8848246H	0.0507	
2	4.612	4.615	-0.003	4304971H	0.0371	
					RPD = 30.86	
LOD = 0.2046						
17 Dieldrin						
1	4.150	4.155	-0.005	64940407H	0.3703	
2	4.715	4.720	-0.005	44036877H	0.3901	
					RPD = 5.20	
19 Endrin						7
1	4.403	4.405	-0.002	3771730H	0.0232	
2	4.917	4.893	0.024	91171413H	0.8608	
					RPD = 189.50	
LOD = 0.1389						
22 4,4'-DDD						7
1	4.522	4.518	0.004	34788289H	0.2544	
2	5.000	5.005	-0.005	13056273H	0.1392	
					RPD = 58.54	
LOD = 0.1943						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.637	4.617	0.020	23960057H	0.1510	
2	5.107	5.090	0.017	3640167H	0.0371	
					RPD = 121.04	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.720	4.728	-0.008	59690994H	0.4548	
2	5.223	5.228	-0.005	16512183H	0.1900	
					RPD = 82.12	
LOD = 0.2113						
25 Endrin aldehyde						
1	4.798	4.792	0.006	448108182H	3.29	
2	5.155	5.170	-0.015	44547615H	0.5317	
					RPD = 144.42	
26 Endosulfan sulfate						
1	4.933	4.943	-0.010	28632120H	0.1787	
2	5.372	5.377	-0.005	329107163H	3.33	
					RPD = 179.61	
28 Methoxychlor						7
1	5.230	5.235	-0.005	49511126H	0.7418	
2	5.533	5.542	-0.009	6306962H	0.1377	
					RPD = 137.37	
LOD = 1.24						
29 Endrin ketone						
1	5.385	5.375	0.010	4714554H	0.0283	
2	5.668	5.672	-0.004	38296649H	0.3651	
					RPD = 171.27	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.132	6.137	-0.005	2412447549H	13.9	
2	6.638	6.645	-0.007	1196435417H	13.8	
					RPD = 0.76	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

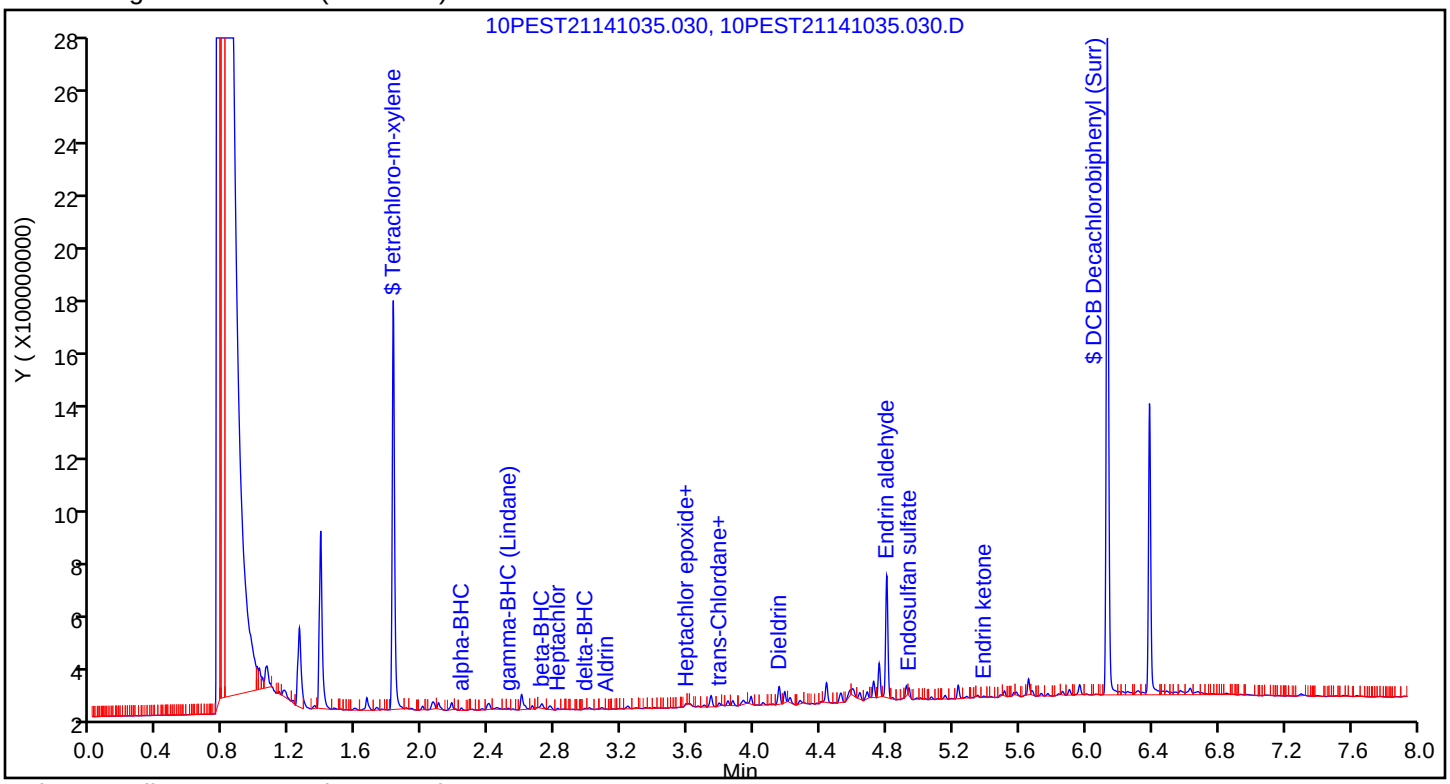
Report Date: 22-Jun-2021 15:51:55 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

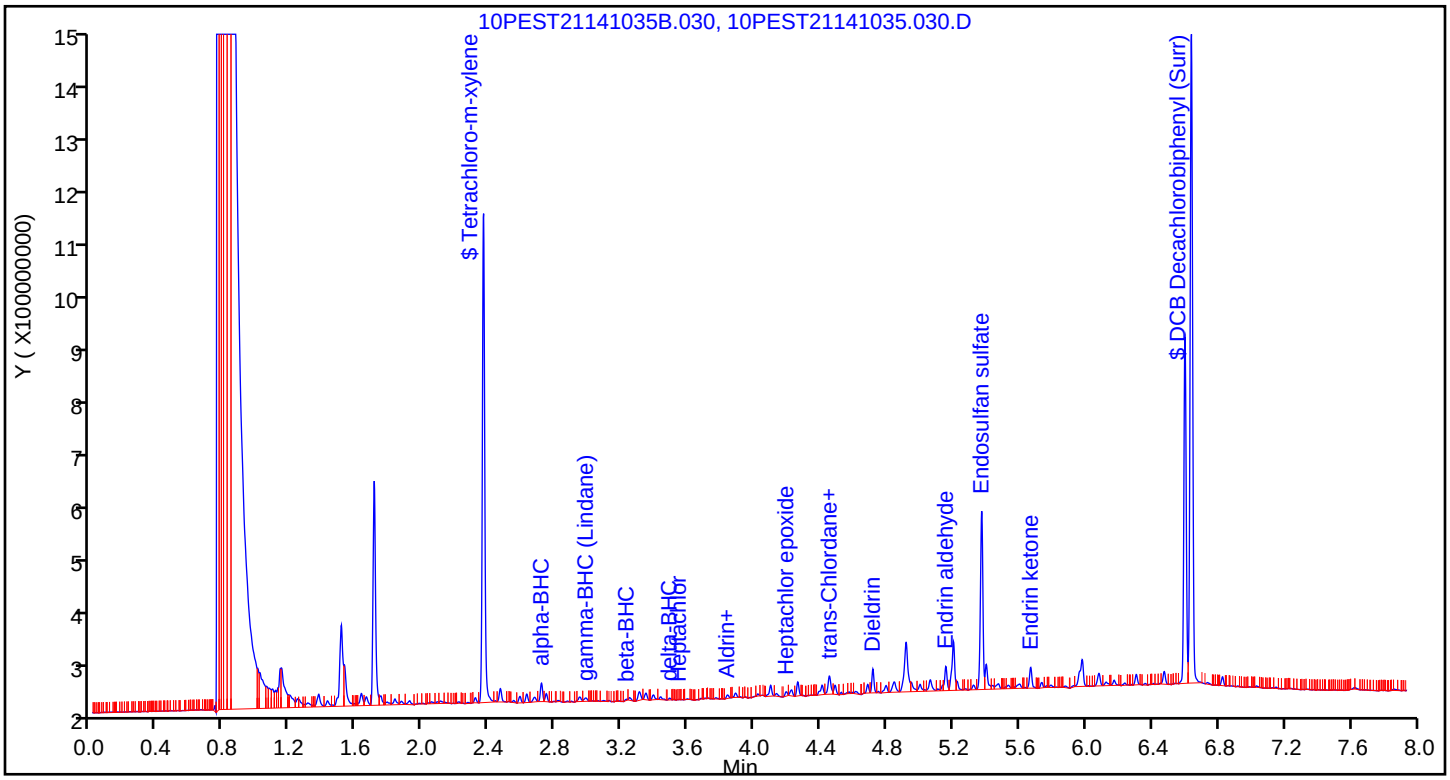
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.030.D

Injection Date:	22-Jun-2021 12:02:00	Instrument ID:	9191		
Lims ID:	410-43723-A-3-A	Lab Sample ID:	410-43723-3		
Client ID:	MW-5-UF-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-5-UF-20210614 Lab Sample ID: 410-43723-3

Matrix: Ground Water Lab File ID: 10PEST21141035.030.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:28

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 249.6(mL) Date Analyzed: 06/22/2021 12:02

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-85-7	beta-BHC	ND		0.020	0.0034
60-57-1	Dieldrin	0.0078	J	0.030	0.0053
7421-93-4	Endrin aldehyde	ND		0.10	0.020
72-54-8	p,p'-DDD	ND		0.030	0.0050
50-29-3	p,p'-DDT	ND		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	92		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	60		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.030.D
Lims ID: 410-43723-A-3-A
Client ID: MW-5-UF-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 12:02:00 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-3-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.820	1.825	-0.005	1501704205	H 9.08	
2	2.365	2.368	-0.003	901679728	H 9.00	
					RPD = 0.93	
3 alpha-BHC						
1	2.232	2.232	0.000	8865716	H 0.0359	
2	2.715	2.702	0.013	33959253	H 0.2383	
					RPD = 147.62	
4 gamma-BHC (Lindane)						
1	2.515	2.520	-0.005	4820774	H 0.0224	
2	2.982	2.990	-0.008	6169306	H 0.0503	
					RPD = 76.63	
6 beta-BHC						
1	2.717	2.722	-0.005	16693091	H 0.1679	
2	3.228	3.237	-0.009	2150014	H 0.0367	
					RPD = 128.31	
7 Heptachlor						
1	2.813	2.820	-0.007	5040056	H 0.0296	
2	3.543	3.543	0.000	657264	H 0.005553	
					RPD = 136.86	
8 delta-BHC						
1	2.978	2.973	0.005	2851047	H 0.0136	
2	3.488	3.477	0.011	3271589	H 0.0253	
					RPD = 60.10	
9 Aldrin						
1	3.105	3.100	0.005	968411	H 0.005492	
2	3.837	3.828	0.009	6356360	H 0.0543	
					RPD = 163.23	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.588	3.592	-0.004	3459032H	0.0209	
2	4.192	4.197	-0.005	8004576H	0.0735	
					RPD = 111.61	
12 trans-Chlordane						
1	3.788	3.793	-0.005	10219938H	0.0610	
2	4.453	4.453	0.000	33379889H	0.2889	
					RPD = 130.26	
14 cis-Chlordane						7
1	3.870	3.875	-0.005	17728218H	0.1032	
2	4.487	4.492	-0.005	16660998H	0.1472	
					RPD = 35.14	
LOD = 0.1159						
15 Endosulfan I						7
1	3.933	3.918	0.015	14713929H	0.0908	
2	4.525	4.520	0.005	4258265H	0.0406	
					RPD = 76.53	
LOD = 0.1013						
16 4,4'-DDE						7
1	4.052	4.058	-0.006	8848246H	0.0507	
2	4.612	4.615	-0.003	4304971H	0.0371	
					RPD = 30.86	
LOD = 0.2046						
17 Dieldrin						
1	4.150	4.155	-0.005	64940407H	0.3703	
2	4.715	4.720	-0.005	44036877H	0.3901	
					RPD = 5.20	
19 Endrin						7
1	4.403	4.405	-0.002	3771730H	0.0232	
2	4.917	4.893	0.024	91171413H	0.8608	
					RPD = 189.50	
LOD = 0.1389						
22 4,4'-DDD						7
1	4.522	4.518	0.004	34788289H	0.2544	
2	5.000	5.005	-0.005	13056273H	0.1392	
					RPD = 58.54	
LOD = 0.1943						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.637	4.617	0.020	23960057H	0.1510	
2	5.107	5.090	0.017	3640167H	0.0371	
					RPD = 121.04	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.720	4.728	-0.008	59690994H	0.4548	
2	5.223	5.228	-0.005	16512183H	0.1900	
					RPD = 82.12	
LOD = 0.2113						
25 Endrin aldehyde						
1	4.798	4.792	0.006	448108182H	3.29	
2	5.155	5.170	-0.015	44547615H	0.5317	
					RPD = 144.42	
26 Endosulfan sulfate						
1	4.933	4.943	-0.010	28632120H	0.1787	
2	5.372	5.377	-0.005	329107163H	3.33	
					RPD = 179.61	
28 Methoxychlor						7
1	5.230	5.235	-0.005	49511126H	0.7418	
2	5.533	5.542	-0.009	6306962H	0.1377	
					RPD = 137.37	
LOD = 1.24						
29 Endrin ketone						
1	5.385	5.375	0.010	4714554H	0.0283	
2	5.668	5.672	-0.004	38296649H	0.3651	
					RPD = 171.27	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.132	6.137	-0.005	2412447549H	13.9	
2	6.638	6.645	-0.007	1196435417H	13.8	
					RPD = 0.76	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

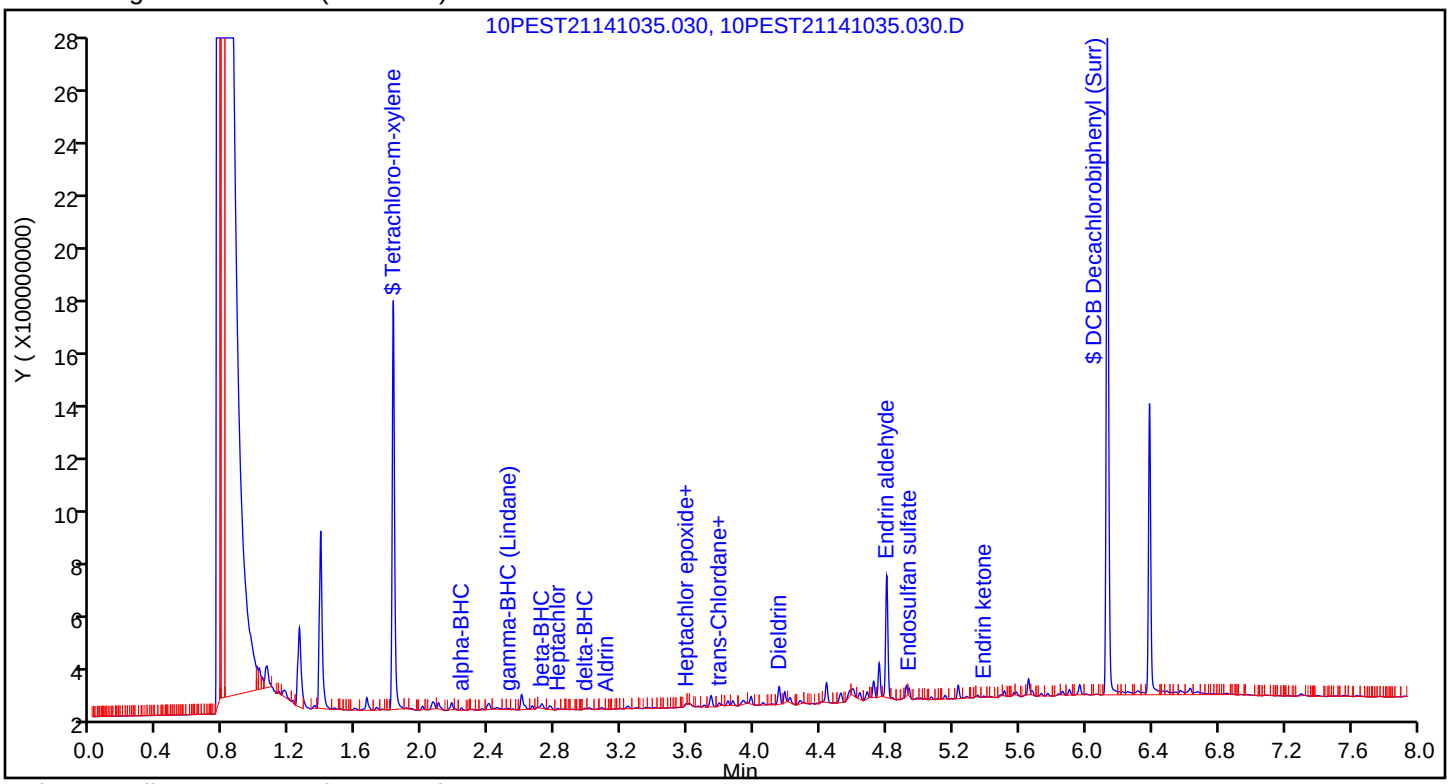
Report Date: 22-Jun-2021 15:51:55 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

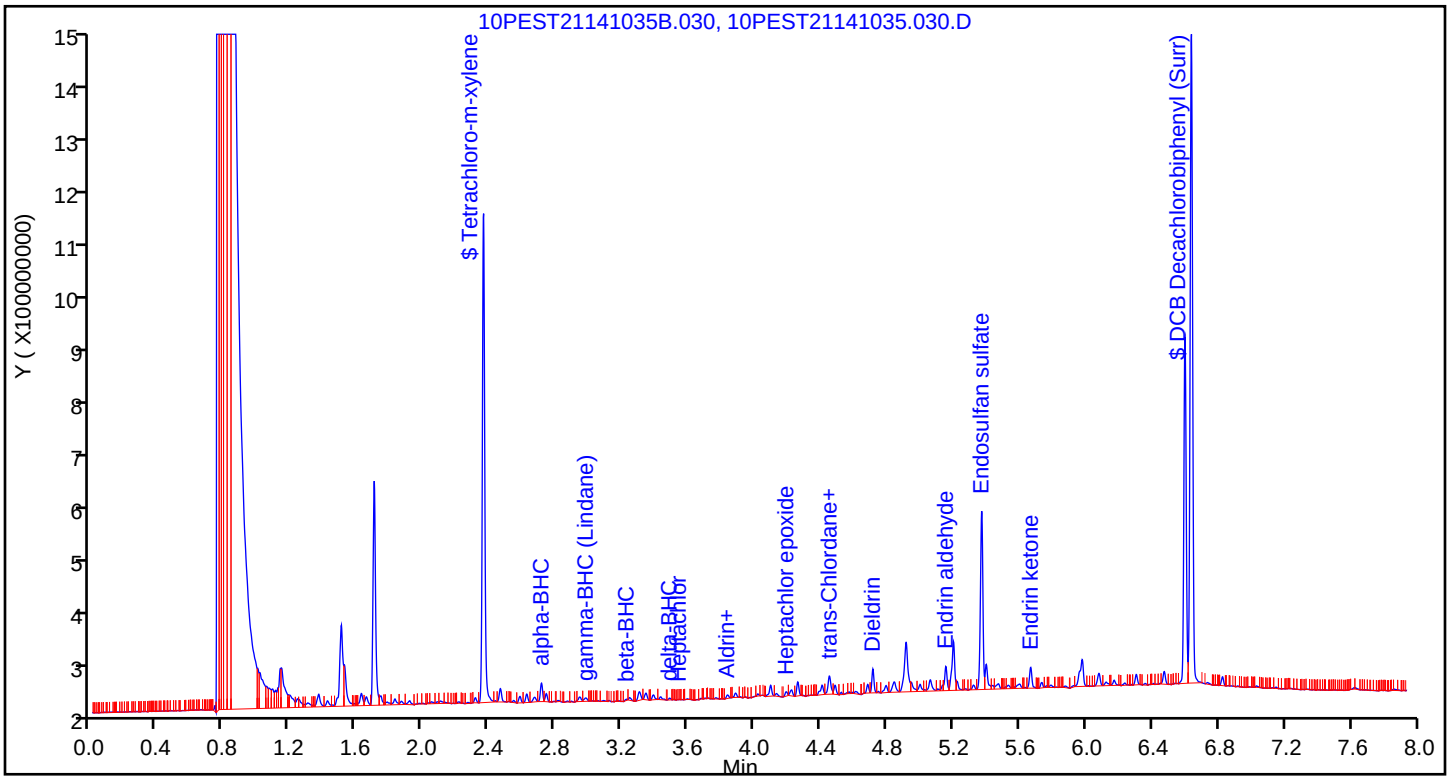
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.030.D

Injection Date:	22-Jun-2021 12:02:00	Instrument ID:	9191		
Lims ID:	410-43723-A-3-A	Lab Sample ID:	410-43723-3		
Client ID:	MW-5-UF-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-5-F-20210614 Lab Sample ID: 410-43723-4

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.020.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:31

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 249.2(mL) Date Analyzed: 06/22/2021 10:00

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.020	0.0020
319-84-6	alpha-BHC	ND		0.020	0.0030
5103-71-9	alpha-Chlordane	ND		0.020	0.0030
319-86-8	delta-BHC	ND		0.020	0.0034
60-57-1	Dieldrin	ND		0.030	0.0053
959-98-8	Endosulfan I	ND		0.020	0.0043
33213-65-9	Endosulfan II	ND		0.040	0.015
1031-07-8	Endosulfan sulfate	ND		0.030	0.0058
72-20-8	Endrin	ND		0.030	0.0081
7421-93-4	Endrin aldehyde	ND		0.10	0.020
53494-70-5	Endrin ketone	ND		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	ND		0.020	0.0020
5103-74-2	gamma-Chlordane	ND		0.040	0.0070
76-44-8	Heptachlor	ND		0.020	0.0020
1024-57-3	Heptachlor epoxide	ND		0.020	0.0023
72-43-5	Methoxychlor	ND		0.11	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	ND		0.030	0.0050
72-55-9	p,p'-DDE	ND		0.030	0.0050
50-29-3	p,p'-DDT	ND		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	86		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	49		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.020.D
Lims ID: 410-43723-A-4-A
Client ID: MW-5-F-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 10:00:00 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-4-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:47:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.820	1.825	-0.005	1214688782	H 7.34	
2	2.362	2.368	-0.006	712041285	H 7.10	
					RPD = 3.33	
3 alpha-BHC						
1	2.232	2.232	0.000	2275071	H 0.009217	
2	2.712	2.702	0.010	17133256	H 0.1202	
					RPD = 171.52	
4 gamma-BHC (Lindane)						
1	2.513	2.520	-0.007	2183444	H 0.0102	
2	2.983	2.990	-0.007	6330875	H 0.0516	
					RPD = 134.21	
6 beta-BHC						
1	2.717	2.722	-0.005	18594163	H 0.1870	
2	3.243	3.237	0.006	4819011	H 0.0822	
					RPD = 77.89	
7 Heptachlor						
1	2.812	2.820	-0.008	3834361	H 0.0225	
2	3.547	3.543	0.004	5678662	H 0.0480	
					RPD = 72.15	
8 delta-BHC						
1	2.983	2.973	0.010	29031658	H 0.1383	
2	3.488	3.477	0.011	2869303	H 0.0222	
					RPD = 144.79	
9 Aldrin						
1	3.103	3.100	0.003	897951	H 0.005092	
2	3.832	3.828	0.004	408149	H 0.003483	
					RPD = 37.51	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.585	3.592	-0.007	1923793H	0.0116	
2	4.195	4.197	-0.002	1144480H	0.0105	
					RPD = 9.83	
12 trans-Chlordane						
1	3.792	3.793	-0.001	960639H	0.005734	
2	4.448	4.453	-0.005	3471270H	0.0300	
					RPD = 135.89	
14 cis-Chlordane						7
1	3.875	3.875	0.000	162194H	0.000944	
2	4.485	4.492	-0.007	636110H	0.005618	
					RPD = 142.46	
LOD = 0.1159						
15 Endosulfan I						7
1	3.923	3.918	0.005	3588124H	0.0221	
2	4.527	4.520	0.007	2869922H	0.0273	
					RPD = 20.95	
LOD = 0.1013						
16 4,4'-DDE						7
1	4.057	4.058	-0.001	3732429H	0.0214	
2	4.615	4.615	0.000	2181431H	0.0188	
					RPD = 12.75	
LOD = 0.2046						
17 Dieldrin						7
1	4.142	4.155	-0.013	13624134H	0.0777	
2	4.715	4.720	-0.005	2183807H	0.0193	
					RPD = 120.26	
LOD = 0.2161						
19 Endrin						7
1	4.425	4.405	0.020	11642242H	0.0716	
2	4.913	4.893	0.020	9409257H	0.0888	
					RPD = 21.44	
LOD = 0.1389						
22 4,4'-DDD						7
1	4.523	4.518	0.005	5377542H	0.0393	
2	5.015	5.005	0.010	92927H	0.000991	
					RPD = 190.17	
LOD = 0.1943						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.633	4.617	0.016	10040209H	0.0633	
2	5.103	5.090	0.013	15159276H	0.1546	
					RPD = 83.87	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.720	4.728	-0.008	13627532H	0.1038	
2	5.225	5.228	-0.003	666253H	0.007668	
					RPD = 172.49	
LOD = 0.2113						
25 Endrin aldehyde						7
1	4.798	4.792	0.006	15873923H	0.1167	
2	5.153	5.170	-0.017	5986282H	0.0714	
					RPD = 48.11	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.932	4.943	-0.011	1923511H	0.0120	
2	5.370	5.377	-0.007	13222818H	0.1337	
					RPD = 167.03	
28 Methoxychlor						7
1	5.242	5.235	0.007	6035129H	0.0904	
2	5.538	5.542	-0.004	914206H	0.0200	
					RPD = 127.67	
LOD = 1.24						
29 Endrin ketone						
1	5.370	5.375	-0.005	436766H	0.002618	
2	5.663	5.672	-0.009	4903745H	0.0468	
					RPD = 178.79	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.130	6.137	-0.007	2234621072H	12.9	
2	6.635	6.645	-0.010	1090051701H	12.6	
					RPD = 2.41	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

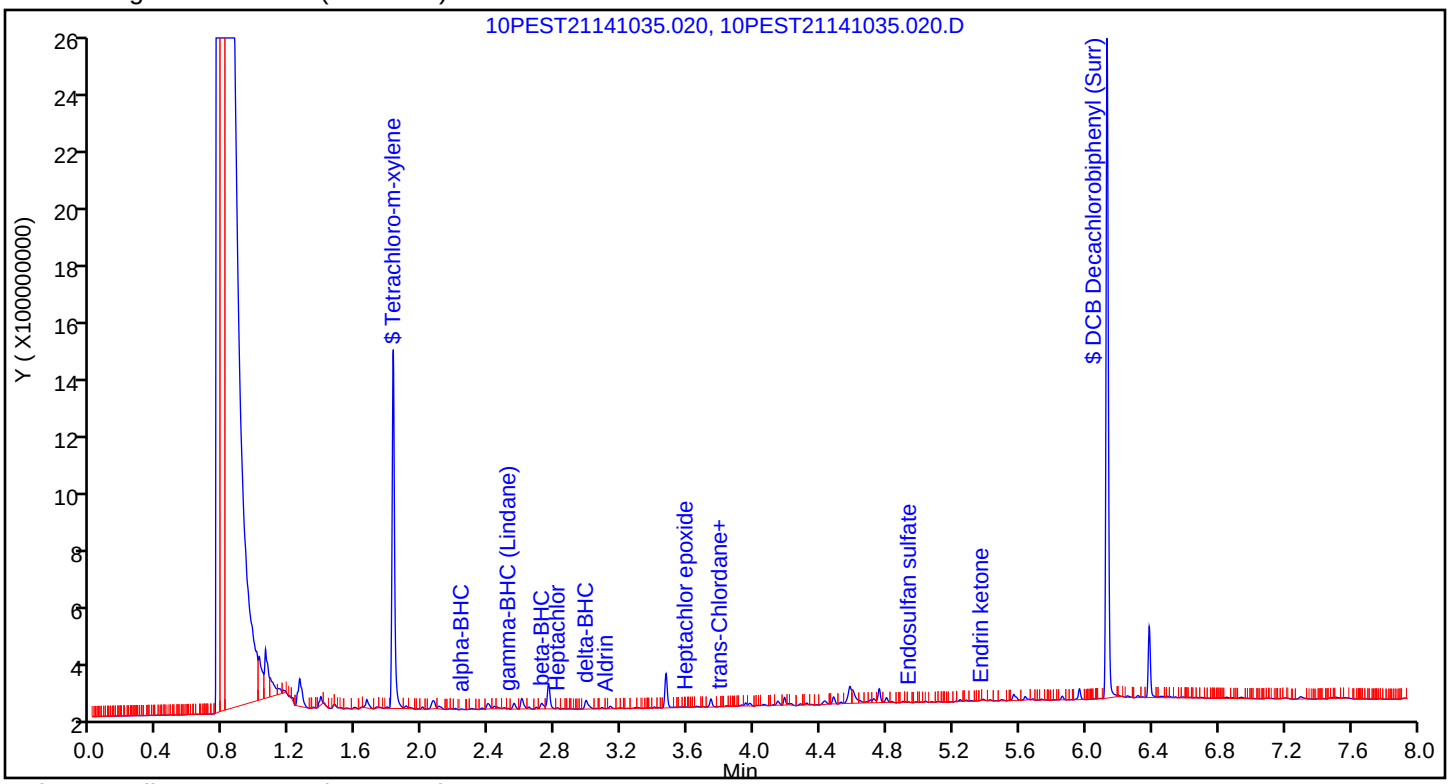
Report Date: 22-Jun-2021 15:51:38 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

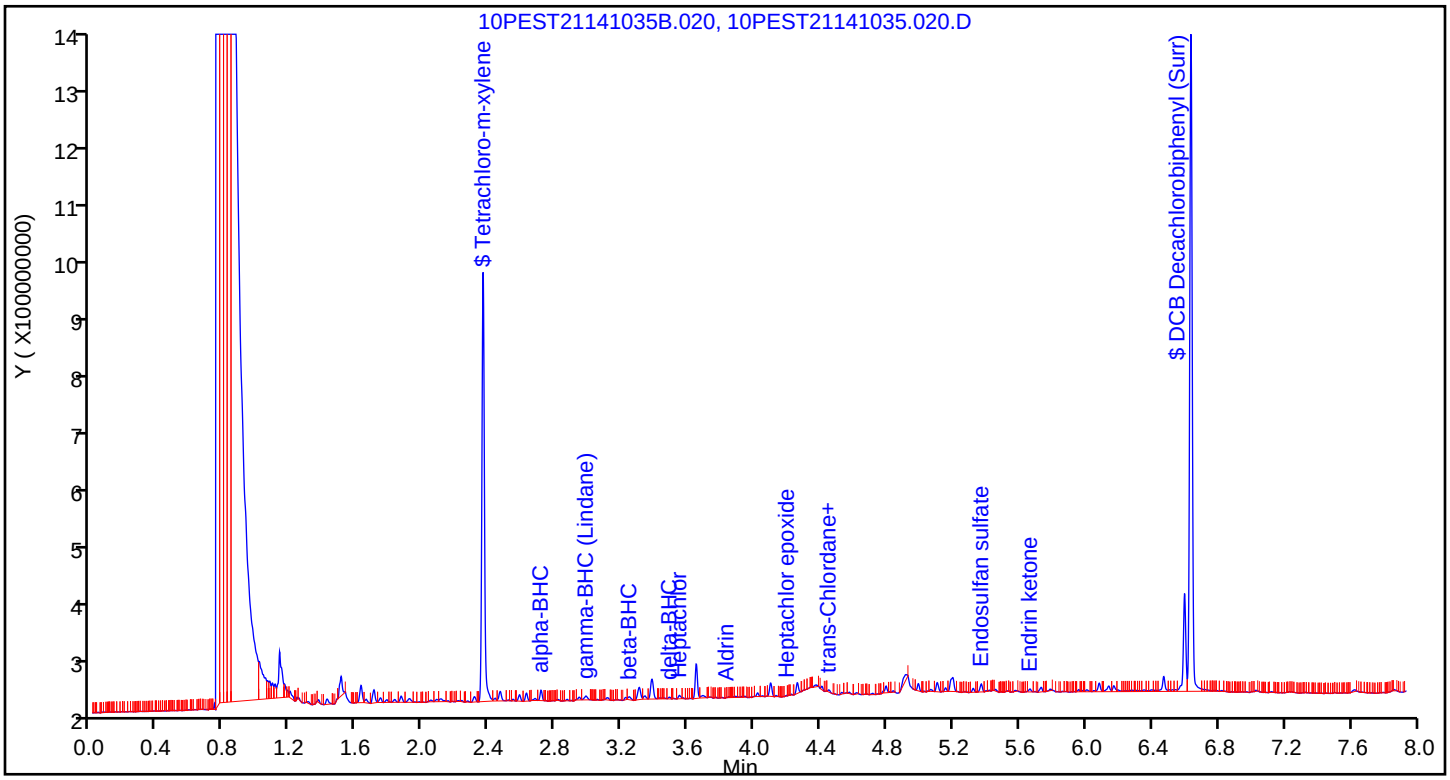
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.020.D

Injection Date:	22-Jun-2021 10:00:00	Instrument ID:	9191		
Lims ID:	410-43723-A-4-A	Lab Sample ID:	410-43723-4		
Client ID:	MW-5-F-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-5-F-20210614 Lab Sample ID: 410-43723-4

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.020.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:31

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 249.2(mL) Date Analyzed: 06/22/2021 10:00

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-85-7	beta-BHC	ND		0.020	0.0034

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	84		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	47		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.020.D
Lims ID: 410-43723-A-4-A
Client ID: MW-5-F-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 10:00:00 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-4-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:47:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.820	1.825	-0.005	1214688782	H 7.34	
2	2.362	2.368	-0.006	712041285	H 7.10	
					RPD = 3.33	
3 alpha-BHC						
1	2.232	2.232	0.000	2275071	H 0.009217	
2	2.712	2.702	0.010	17133256	H 0.1202	
					RPD = 171.52	
4 gamma-BHC (Lindane)						
1	2.513	2.520	-0.007	2183444	H 0.0102	
2	2.983	2.990	-0.007	6330875	H 0.0516	
					RPD = 134.21	
6 beta-BHC						
1	2.717	2.722	-0.005	18594163	H 0.1870	
2	3.243	3.237	0.006	4819011	H 0.0822	
					RPD = 77.89	
7 Heptachlor						
1	2.812	2.820	-0.008	3834361	H 0.0225	
2	3.547	3.543	0.004	5678662	H 0.0480	
					RPD = 72.15	
8 delta-BHC						
1	2.983	2.973	0.010	29031658	H 0.1383	
2	3.488	3.477	0.011	2869303	H 0.0222	
					RPD = 144.79	
9 Aldrin						
1	3.103	3.100	0.003	897951	H 0.005092	
2	3.832	3.828	0.004	408149	H 0.003483	
					RPD = 37.51	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.585	3.592	-0.007	1923793H	0.0116	
2	4.195	4.197	-0.002	1144480H	0.0105	
					RPD = 9.83	
12 trans-Chlordane						
1	3.792	3.793	-0.001	960639H	0.005734	
2	4.448	4.453	-0.005	3471270H	0.0300	
					RPD = 135.89	
14 cis-Chlordane						7
1	3.875	3.875	0.000	162194H	0.000944	
2	4.485	4.492	-0.007	636110H	0.005618	
					RPD = 142.46	
LOD = 0.1159						
15 Endosulfan I						7
1	3.923	3.918	0.005	3588124H	0.0221	
2	4.527	4.520	0.007	2869922H	0.0273	
					RPD = 20.95	
LOD = 0.1013						
16 4,4'-DDE						7
1	4.057	4.058	-0.001	3732429H	0.0214	
2	4.615	4.615	0.000	2181431H	0.0188	
					RPD = 12.75	
LOD = 0.2046						
17 Dieldrin						7
1	4.142	4.155	-0.013	13624134H	0.0777	
2	4.715	4.720	-0.005	2183807H	0.0193	
					RPD = 120.26	
LOD = 0.2161						
19 Endrin						7
1	4.425	4.405	0.020	11642242H	0.0716	
2	4.913	4.893	0.020	9409257H	0.0888	
					RPD = 21.44	
LOD = 0.1389						
22 4,4'-DDD						7
1	4.523	4.518	0.005	5377542H	0.0393	
2	5.015	5.005	0.010	92927H	0.000991	
					RPD = 190.17	
LOD = 0.1943						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.633	4.617	0.016	10040209H	0.0633	
2	5.103	5.090	0.013	15159276H	0.1546	
					RPD = 83.87	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.720	4.728	-0.008	13627532H	0.1038	
2	5.225	5.228	-0.003	666253H	0.007668	
					RPD = 172.49	
LOD = 0.2113						
25 Endrin aldehyde						7
1	4.798	4.792	0.006	15873923H	0.1167	
2	5.153	5.170	-0.017	5986282H	0.0714	
					RPD = 48.11	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.932	4.943	-0.011	1923511H	0.0120	
2	5.370	5.377	-0.007	13222818H	0.1337	
					RPD = 167.03	
28 Methoxychlor						7
1	5.242	5.235	0.007	6035129H	0.0904	
2	5.538	5.542	-0.004	914206H	0.0200	
					RPD = 127.67	
LOD = 1.24						
29 Endrin ketone						
1	5.370	5.375	-0.005	436766H	0.002618	
2	5.663	5.672	-0.009	4903745H	0.0468	
					RPD = 178.79	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.130	6.137	-0.007	2234621072H	12.9	
2	6.635	6.645	-0.010	1090051701H	12.6	
					RPD = 2.41	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

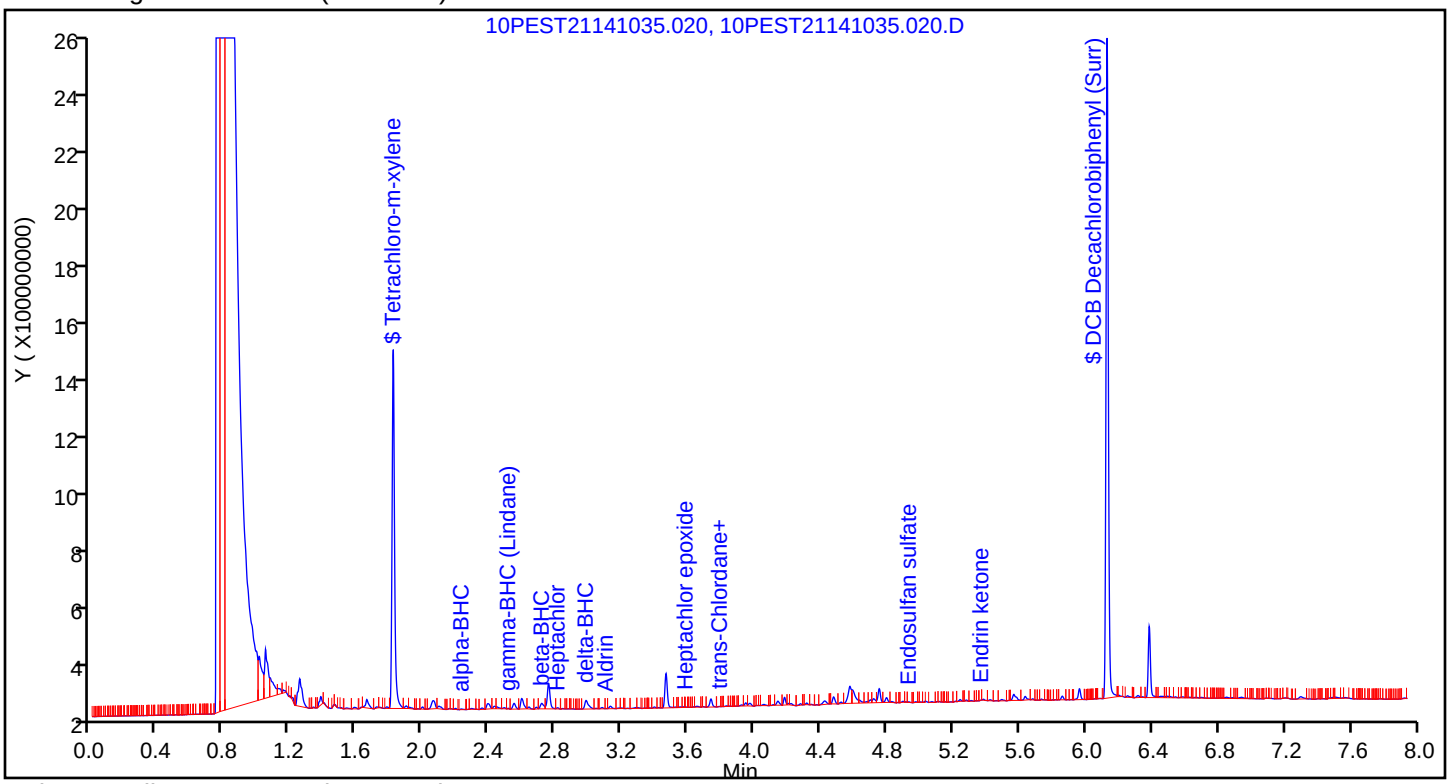
Report Date: 22-Jun-2021 15:51:39 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

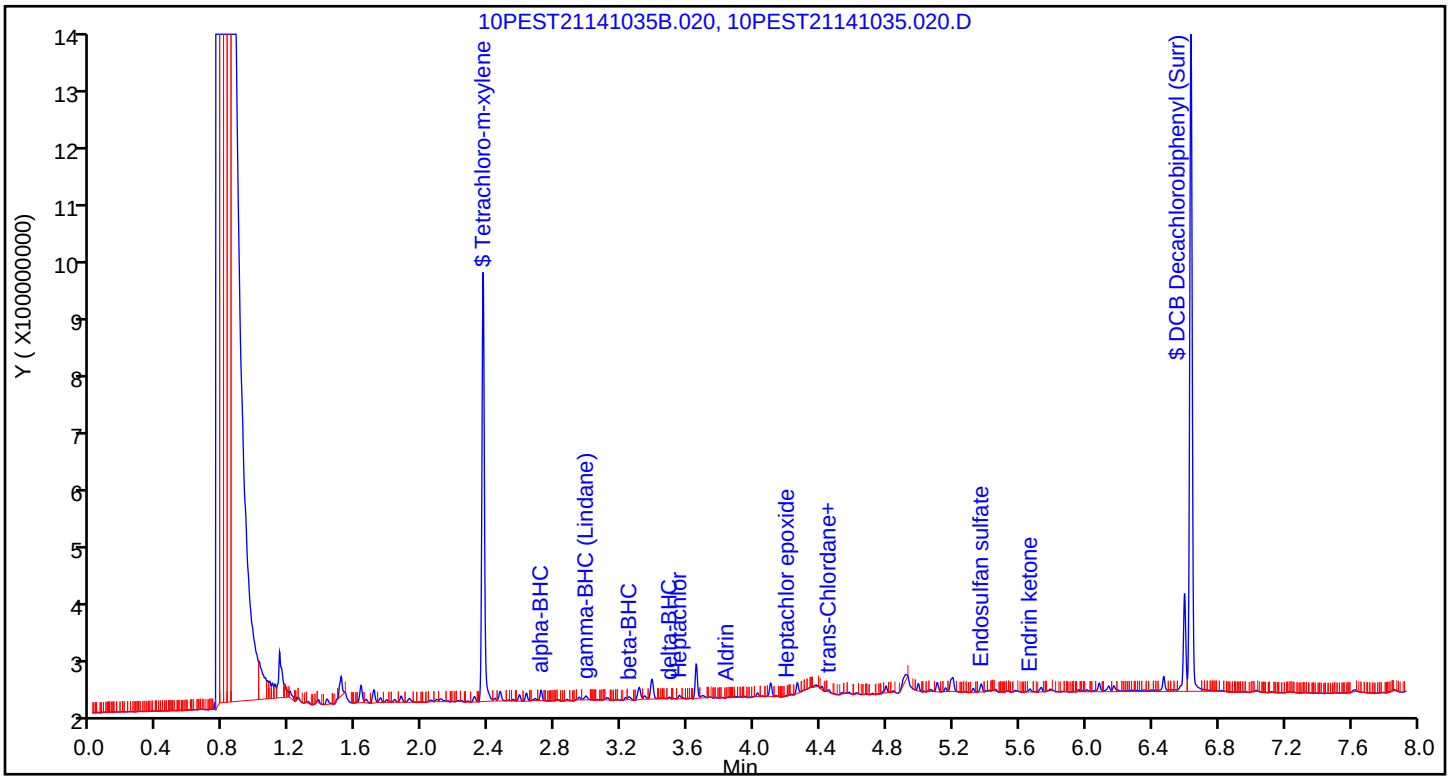
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.020.D

Injection Date:	22-Jun-2021 10:00:00	Instrument ID:	9191		
Lims ID:	410-43723-A-4-A	Lab Sample ID:	410-43723-4		
Client ID:	MW-5-F-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-4-UF-20210614 Lab Sample ID: 410-43723-5

Matrix: Ground Water Lab File ID: 10PEST21141035.031.D

Analysis Method: 8081B Date Collected: 06/14/2021 12:55

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 247.9(mL) Date Analyzed: 06/22/2021 12:14

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.020	0.0020
319-86-8	delta-BHC	ND		0.020	0.0034
33213-65-9	Endosulfan II	ND		0.040	0.015
7421-93-4	Endrin aldehyde	ND		0.10	0.020
58-89-9	gamma-BHC (Lindane)	0.011	J	0.020	0.0020
5103-74-2	gamma-Chlordane	0.014	J p	0.040	0.0071
76-44-8	Heptachlor	ND		0.020	0.0020
72-43-5	Methoxychlor	ND		0.11	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-55-9	p,p'-DDE	ND		0.030	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	88		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	62		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.031.D
Lims ID: 410-43723-A-5-A
Client ID: MW-4-UF-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 12:14:00 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-5-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.818	1.825	-0.007	1548197587	H 9.36	
2	2.367	2.368	-0.001	876600676	H 8.75	
					RPD = 6.80	
3 alpha-BHC						
1	2.228	2.232	-0.004	3288606688	H 13.3	
2	2.717	2.702	0.015	167958033	H 1.18	
					RPD = 167.49	
4 gamma-BHC (Lindane)						
1	2.512	2.520	-0.008	116154422	H 0.5403	
2	2.987	2.990	-0.003	59855777	H 0.4878	
					RPD = 10.21	
6 beta-BHC						
1	2.697	2.722	-0.025	225891320	H 2.27	
2	3.238	3.237	0.001	11206438	H 0.1911	
					RPD = 168.97	
7 Heptachlor						
1	2.813	2.820	-0.007	4907630	H 0.0288	
2	3.538	3.543	-0.005	23200761	H 0.1960	
					RPD = 148.69	
8 delta-BHC						
1	2.973	2.973	0.000	30195840	H 0.1439	
2	3.492	3.477	0.015	3214034	H 0.0248	
					RPD = 141.16	
9 Aldrin						
1	3.093	3.100	-0.007	4663277	H 0.0264	
2	3.840	3.828	0.012	59286170	H 0.5060	
					RPD = 180.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.598	3.592	0.006	217137301	H 1.31	
2	4.195	4.197	-0.002	37992490	H 0.3489	
					RPD = 115.82	
12 trans-Chlordane						
1	3.785	3.793	-0.008	112730115	H 0.6729	
2	4.453	4.453	0.000	203521624	H 1.76	
					RPD = 89.43	
14 cis-Chlordane						
1	3.867	3.875	-0.008	154620230	H 0.8998	
2	4.490	4.492	-0.002	139776609	H 1.23	
					RPD = 31.37	
15 Endosulfan I						
1	3.932	3.918	0.014	126936350	H 0.7836	
2	4.525	4.520	0.005	44181569	H 0.4208	
					RPD = 60.24	
16 4,4'-DDE						7
1	4.050	4.058	-0.008	24647732	H 0.1411	
2	4.617	4.615	0.002	10444044	H 0.0900	
					RPD = 44.19	
LOD = 0.2046						
17 Dieldrin						
1	4.148	4.155	-0.007	6257375099	H 35.7	
2	4.718	4.720	-0.002	4098852738	H 36.3	
					RPD = 1.74	
19 Endrin						
1	4.397	4.405	-0.008	152209290	H 0.9366	
2	4.892	4.893	-0.001	126740045	H 1.20	
					RPD = 24.38	
22 4,4'-DDD						
1	4.520	4.518	0.002	761460721	H 5.57	
2	5.003	5.005	-0.002	43118245	H 0.4598	
					RPD = 169.50	
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						
1	4.632	4.617	0.015	88381432	H 0.5568	
2	5.063	5.090	-0.027	44881265	H 0.4578	
					RPD = 19.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
24 4,4'-DDT						
1	4.720	4.728	-0.008	476655269H	3.63	
2	5.225	5.228	-0.003	175375868H	2.02	
					RPD = 57.11	
25 Endrin aldehyde						7
1	4.795	4.792	0.003	5751219H	0.0423	
2	5.158	5.170	-0.012	17316278H	0.2067	
					RPD = 132.06	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.932	4.943	-0.011	1760034026H	11.0	
2	5.365	5.377	-0.012	1164645309H	11.8	
					RPD = 6.93	
28 Methoxychlor						7
1	5.227	5.235	-0.008	9990449H	0.1497	
2	5.537	5.542	-0.005	7635875H	0.1667	
					RPD = 10.77	
LOD = 1.24						
29 Endrin ketone						
1	5.367	5.375	-0.008	126197985H	0.7563	
2	5.670	5.672	-0.002	88366365H	0.8425	
					RPD = 10.78	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.128	6.137	-0.009	2289974501H	13.2	
2	6.640	6.645	-0.005	1154183394H	13.3	
					RPD = 0.86	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:56 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.031.D

Injection Date: 22-Jun-2021 12:14:00 Instrument ID: 9191

Lims ID: 410-43723-A-5-A Lab Sample ID: 410-43723-5

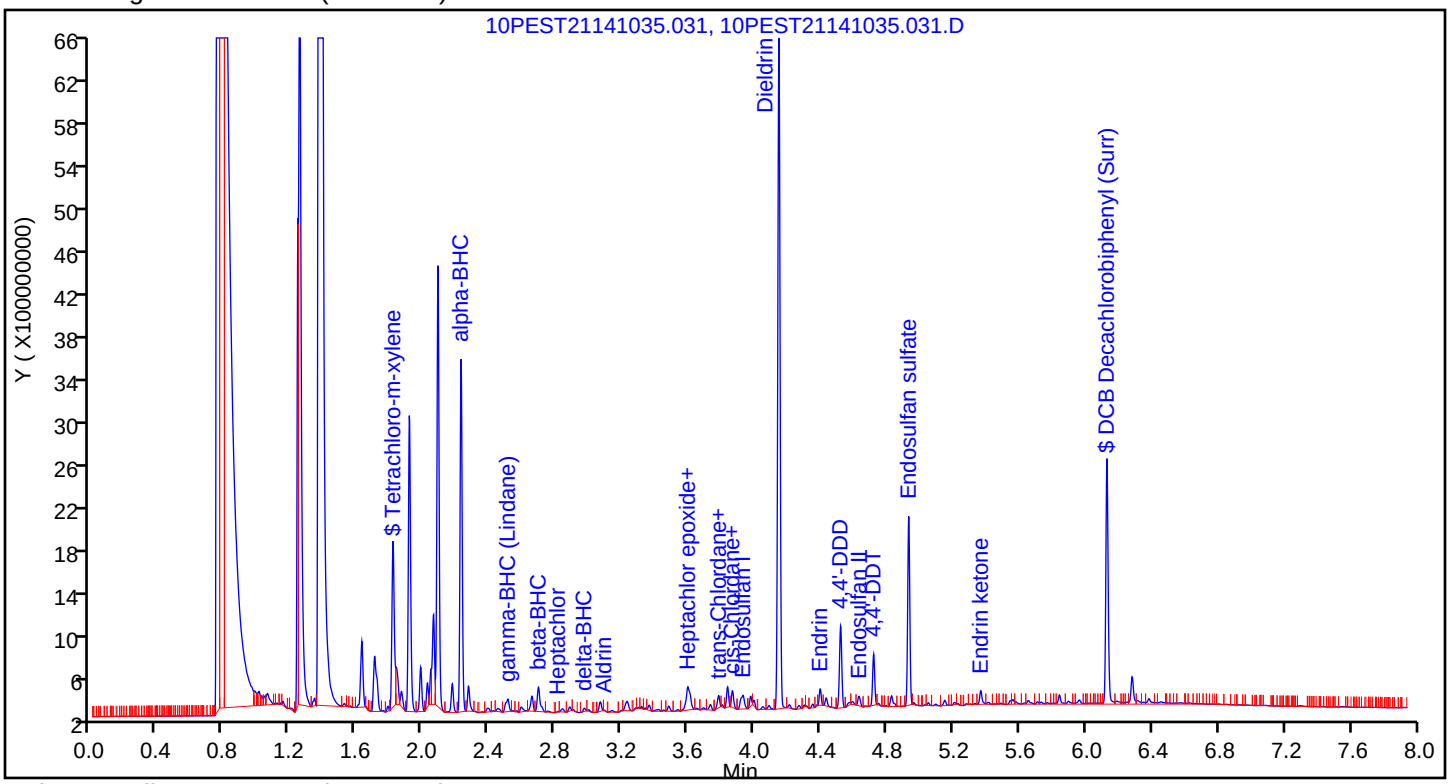
Client ID: MW-4-UF-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 31

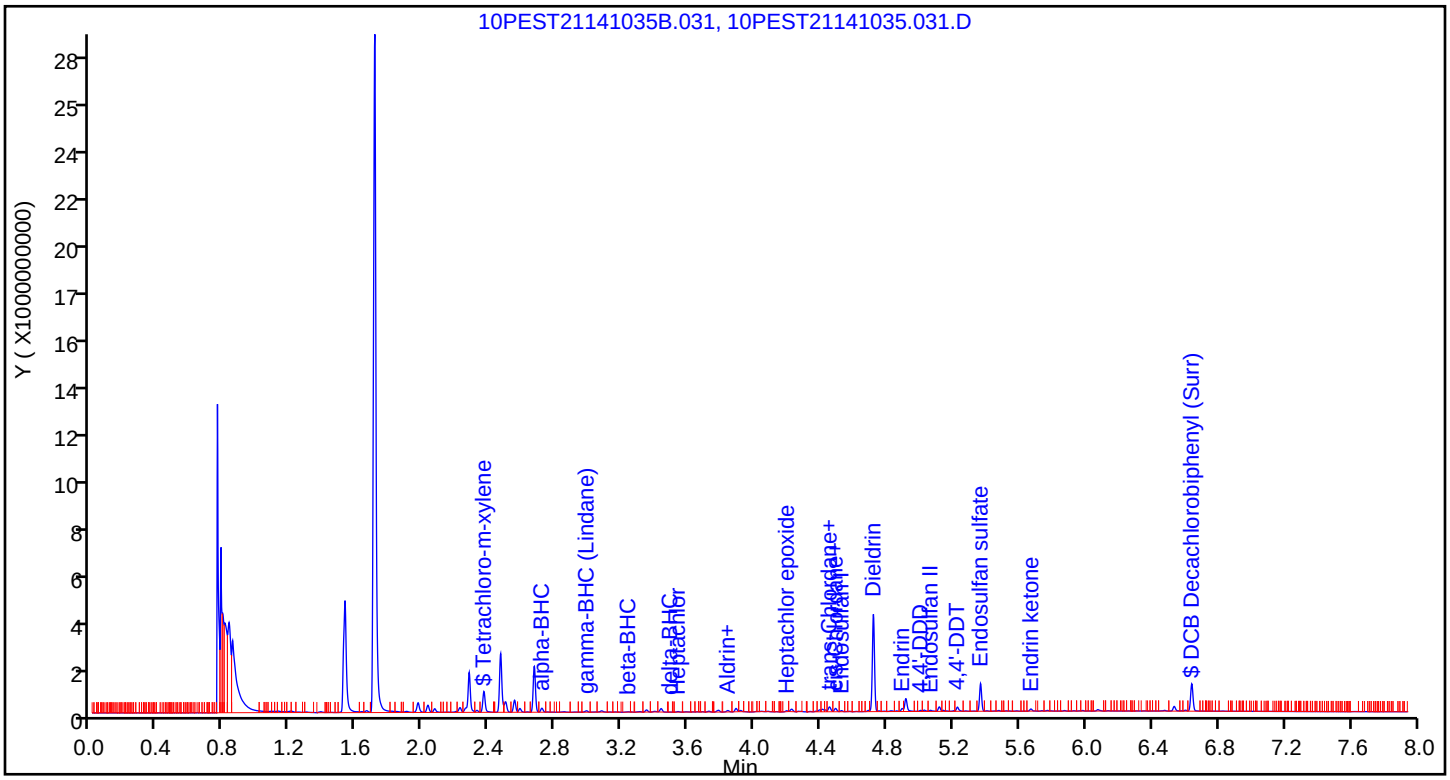
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-4-UF-20210614 Lab Sample ID: 410-43723-5

Matrix: Ground Water Lab File ID: 10PEST21141035.031.D

Analysis Method: 8081B Date Collected: 06/14/2021 12:55

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 247.9(mL) Date Analyzed: 06/22/2021 12:14

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	ND	p	0.026	0.026
5103-71-9	alpha-Chlordane	0.025		0.020	0.0030
319-85-7	beta-BHC	0.0039	J p	0.020	0.0034
60-57-1	Dieldrin	0.73		0.030	0.0053
959-98-8	Endosulfan I	0.0085	J p	0.020	0.0043
1031-07-8	Endosulfan sulfate	0.24		0.030	0.0058
72-20-8	Endrin	0.024	J	0.030	0.0082
53494-70-5	Endrin ketone	0.017	J	0.030	0.0050
1024-57-3	Heptachlor epoxide	0.0070	J p	0.020	0.0023
72-54-8	p,p'-DDD	0.0093	J p	0.030	0.0050
50-29-3	p,p'-DDT	0.041	p	0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	89		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	58		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.031.D
Lims ID: 410-43723-A-5-A
Client ID: MW-4-UF-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 12:14:00 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-5-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.818	1.825	-0.007	1548197587	H 9.36	
2	2.367	2.368	-0.001	876600676	H 8.75	
					RPD = 6.80	
3 alpha-BHC						
1	2.228	2.232	-0.004	3288606688	H 13.3	
2	2.717	2.702	0.015	167958033	H 1.18	
					RPD = 167.49	
4 gamma-BHC (Lindane)						
1	2.512	2.520	-0.008	116154422	H 0.5403	
2	2.987	2.990	-0.003	59855777	H 0.4878	
					RPD = 10.21	
6 beta-BHC						
1	2.697	2.722	-0.025	225891320	H 2.27	
2	3.238	3.237	0.001	11206438	H 0.1911	
					RPD = 168.97	
7 Heptachlor						
1	2.813	2.820	-0.007	4907630	H 0.0288	
2	3.538	3.543	-0.005	23200761	H 0.1960	
					RPD = 148.69	
8 delta-BHC						
1	2.973	2.973	0.000	30195840	H 0.1439	
2	3.492	3.477	0.015	3214034	H 0.0248	
					RPD = 141.16	
9 Aldrin						
1	3.093	3.100	-0.007	4663277	H 0.0264	
2	3.840	3.828	0.012	59286170	H 0.5060	
					RPD = 180.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.598	3.592	0.006	217137301	H 1.31	
2	4.195	4.197	-0.002	37992490	H 0.3489	
					RPD = 115.82	
12 trans-Chlordane						
1	3.785	3.793	-0.008	112730115	H 0.6729	
2	4.453	4.453	0.000	203521624	H 1.76	
					RPD = 89.43	
14 cis-Chlordane						
1	3.867	3.875	-0.008	154620230	H 0.8998	
2	4.490	4.492	-0.002	139776609	H 1.23	
					RPD = 31.37	
15 Endosulfan I						
1	3.932	3.918	0.014	126936350	H 0.7836	
2	4.525	4.520	0.005	44181569	H 0.4208	
					RPD = 60.24	
16 4,4'-DDE						7
1	4.050	4.058	-0.008	24647732	H 0.1411	
2	4.617	4.615	0.002	10444044	H 0.0900	
					RPD = 44.19	
LOD = 0.2046						
17 Dieldrin						
1	4.148	4.155	-0.007	6257375099	H 35.7	
2	4.718	4.720	-0.002	4098852738	H 36.3	
					RPD = 1.74	
19 Endrin						
1	4.397	4.405	-0.008	152209290	H 0.9366	
2	4.892	4.893	-0.001	126740045	H 1.20	
					RPD = 24.38	
22 4,4'-DDD						
1	4.520	4.518	0.002	761460721	H 5.57	
2	5.003	5.005	-0.002	43118245	H 0.4598	
					RPD = 169.50	
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						
1	4.632	4.617	0.015	88381432	H 0.5568	
2	5.063	5.090	-0.027	44881265	H 0.4578	
					RPD = 19.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
24 4,4'-DDT						
1	4.720	4.728	-0.008	476655269H	3.63	
2	5.225	5.228	-0.003	175375868H	2.02	
					RPD = 57.11	
25 Endrin aldehyde						7
1	4.795	4.792	0.003	5751219H	0.0423	
2	5.158	5.170	-0.012	17316278H	0.2067	
					RPD = 132.06	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.932	4.943	-0.011	1760034026H	11.0	
2	5.365	5.377	-0.012	1164645309H	11.8	
					RPD = 6.93	
28 Methoxychlor						7
1	5.227	5.235	-0.008	9990449H	0.1497	
2	5.537	5.542	-0.005	7635875H	0.1667	
					RPD = 10.77	
LOD = 1.24						
29 Endrin ketone						
1	5.367	5.375	-0.008	126197985H	0.7563	
2	5.670	5.672	-0.002	88366365H	0.8425	
					RPD = 10.78	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.128	6.137	-0.009	2289974501H	13.2	
2	6.640	6.645	-0.005	1154183394H	13.3	
					RPD = 0.86	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

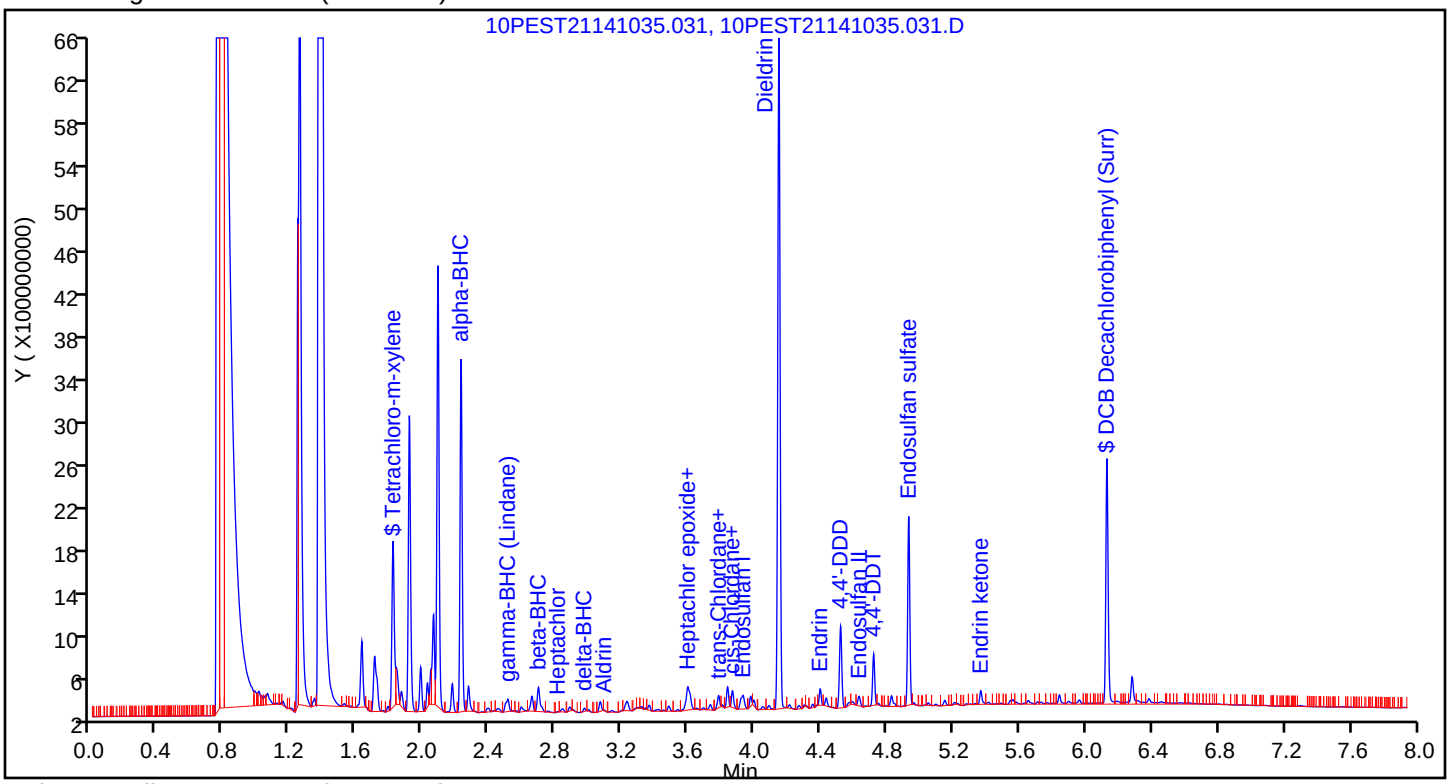
U - Marked Undetected

Report Date: 22-Jun-2021 15:51:57 Chrom Revision: 2.3 13-May-2021 07:57:40

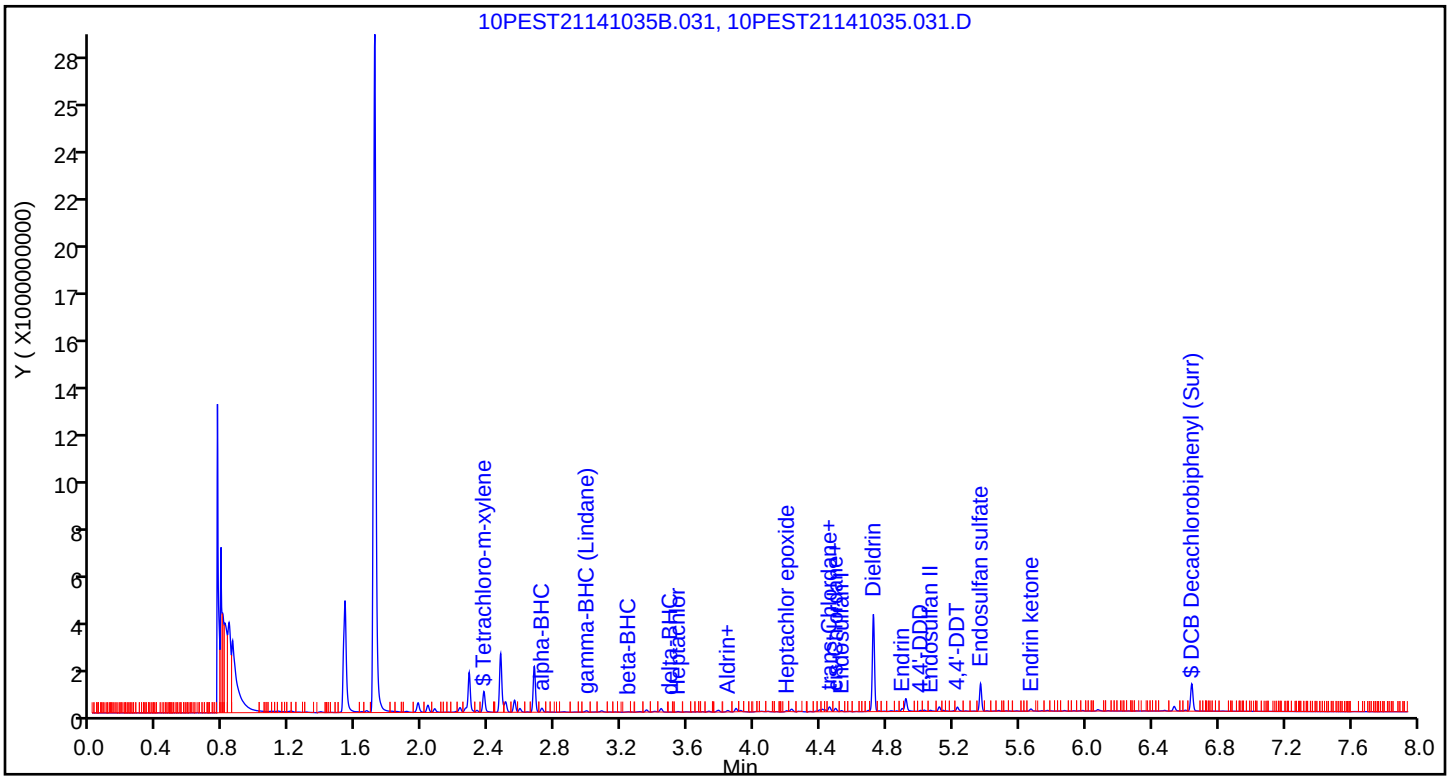
Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.031.D				
Injection Date:	22-Jun-2021 12:14:00	Instrument ID:	9191		
Lims ID:	410-43723-A-5-A	Lab Sample ID:	410-43723-5		
Client ID:	MW-4-UF-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-4-F-20210614 Lab Sample ID: 410-43723-6

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.021.D

Analysis Method: 8081B Date Collected: 06/14/2021 12:58

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 249.4(mL) Date Analyzed: 06/22/2021 10:12

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.020	0.0020
5103-71-9	alpha-Chlordane	ND		0.020	0.0030
60-57-1	Dieldrin	0.012	J	0.030	0.0053
959-98-8	Endosulfan I	ND		0.020	0.0043
33213-65-9	Endosulfan II	ND		0.040	0.015
1031-07-8	Endosulfan sulfate	ND		0.030	0.0058
72-20-8	Endrin	ND		0.030	0.0081
7421-93-4	Endrin aldehyde	ND		0.10	0.020
53494-70-5	Endrin ketone	ND		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	0.0059	J	0.020	0.0020
5103-74-2	gamma-Chlordane	ND		0.040	0.0070
76-44-8	Heptachlor	ND		0.020	0.0020
1024-57-3	Heptachlor epoxide	ND		0.020	0.0023
72-43-5	Methoxychlor	ND		0.11	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	ND		0.030	0.0050
72-55-9	p,p'-DDE	ND		0.030	0.0050
50-29-3	p,p'-DDT	ND		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	96		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	54		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.021.D
Lims ID: 410-43723-A-6-A
Client ID: MW-4-F-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 10:12:00 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-6-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:48:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.823	1.825	-0.002	1337771630	H 8.09	
2	2.367	2.368	-0.001	836711107	H 8.35	
					RPD = 3.15	
3 alpha-BHC						
1	2.233	2.232	0.001	562766492	H 2.28	
2	2.717	2.702	0.015	94839635	H 0.6656	
					RPD = 109.61	
4 gamma-BHC (Lindane)						
1	2.517	2.520	-0.003	63364657	H 0.2947	
2	2.988	2.990	-0.002	30046241	H 0.2449	
					RPD = 18.49	
6 beta-BHC						
1	2.720	2.722	-0.002	21338475	H 0.2146	
2	3.222	3.237	-0.015	4071391	H 0.0694	
					RPD = 102.23	
7 Heptachlor						
1	2.817	2.820	-0.003	2902469	H 0.0171	
2	3.550	3.543	0.007	12397212	H 0.1047	
					RPD = 143.97	
8 delta-BHC						
1	2.987	2.973	0.014	61749969	H 0.2942	
2	3.487	3.477	0.010	900094	H 0.006949	
					RPD = 190.77	
9 Aldrin						
1	3.108	3.100	0.008	942799	H 0.005346	
2	3.812	3.828	-0.016	505219	H 0.004312	
					RPD = 21.42	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.603	3.592	0.011	6349998H	0.0383	
2	4.197	4.197	0.000	483224H	0.004438	
					RPD = 158.44	
12 trans-Chlordane						
1	3.807	3.793	0.014	7546728H	0.0450	
2	4.458	4.453	0.005	6022275H	0.0521	
					RPD = 14.56	
14 cis-Chlordane						7
1	3.875	3.875	0.000	744267H	0.004331	
2	4.490	4.492	-0.002	2731751H	0.0241	
					RPD = 139.12	
LOD = 0.1159						
15 Endosulfan I						7
1	3.927	3.918	0.009	3242919H	0.0200	
2	4.528	4.520	0.008	1414633H	0.0135	
					RPD = 39.09	
LOD = 0.1013						
16 4,4'-DDE						7
1	4.058	4.058	0.000	4026889H	0.0231	
2	4.623	4.615	0.008	3519719H	0.0303	
					RPD = 27.30	
LOD = 0.2046						
17 Dieldrin						
1	4.152	4.155	-0.003	102380063H	0.5838	
2	4.717	4.720	-0.003	65406311H	0.5793	
					RPD = 0.76	
19 Endrin						7
1	4.422	4.405	0.017	14876105H	0.0915	
2	4.920	4.893	0.027	31133612H	0.2940	
					RPD = 105.02	
LOD = 0.1389						
22 4,4'-DDD						7
1	4.525	4.518	0.007	14631123H	0.1070	
2	4.998	5.005	-0.007	748284H	0.007979	
					RPD = 172.24	
LOD = 0.1943						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.600	4.617	-0.017	36097355H	0.2274	
2	5.108	5.090	0.018	29439319H	0.3003	
					RPD = 27.61	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.723	4.728	-0.005	23604969H	0.1799	
2	5.225	5.228	-0.003	12183062H	0.1402	
					RPD = 24.77	
LOD = 0.2113						
25 Endrin aldehyde						7
1	4.782	4.792	-0.010	1890628H	0.0139	
2	5.162	5.170	-0.008	1796405H	0.0214	
					RPD = 42.67	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.935	4.943	-0.008	34250773H	0.2138	
2	5.365	5.377	-0.012	24590644H	0.2486	
					RPD = 15.06	
28 Methoxychlor						7
1	5.250	5.235	0.015	2296629H	0.0344	
2	5.537	5.542	-0.005	1044125H	0.0228	
					RPD = 40.60	
LOD = 1.24						
29 Endrin ketone						
1	5.368	5.375	-0.007	662730H	0.003972	
2	5.667	5.672	-0.005	3708752H	0.0354	
					RPD = 159.61	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.132	6.137	-0.005	2484863240H	14.3	
2	6.640	6.645	-0.005	1312777909H	15.2	
					RPD = 5.56	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

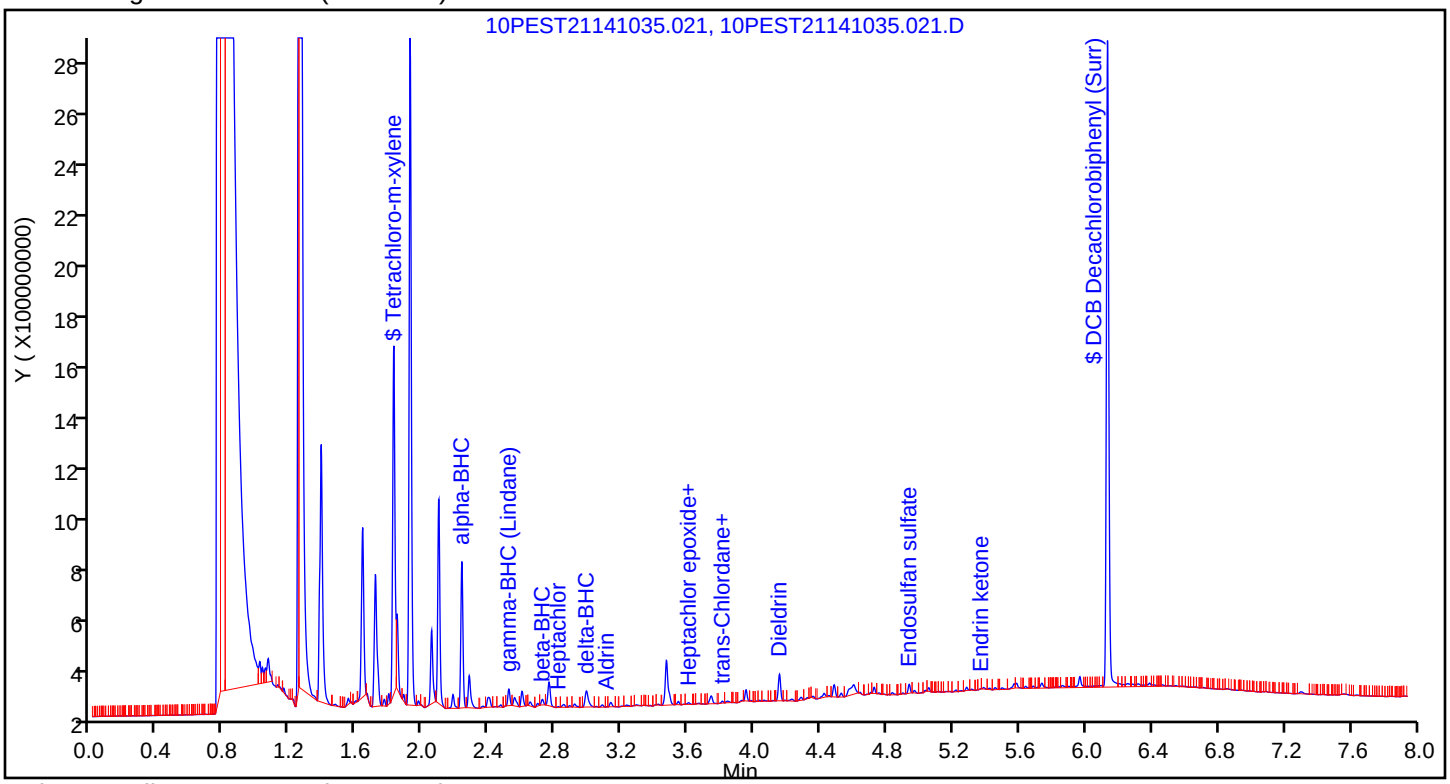
Report Date: 22-Jun-2021 15:51:40 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

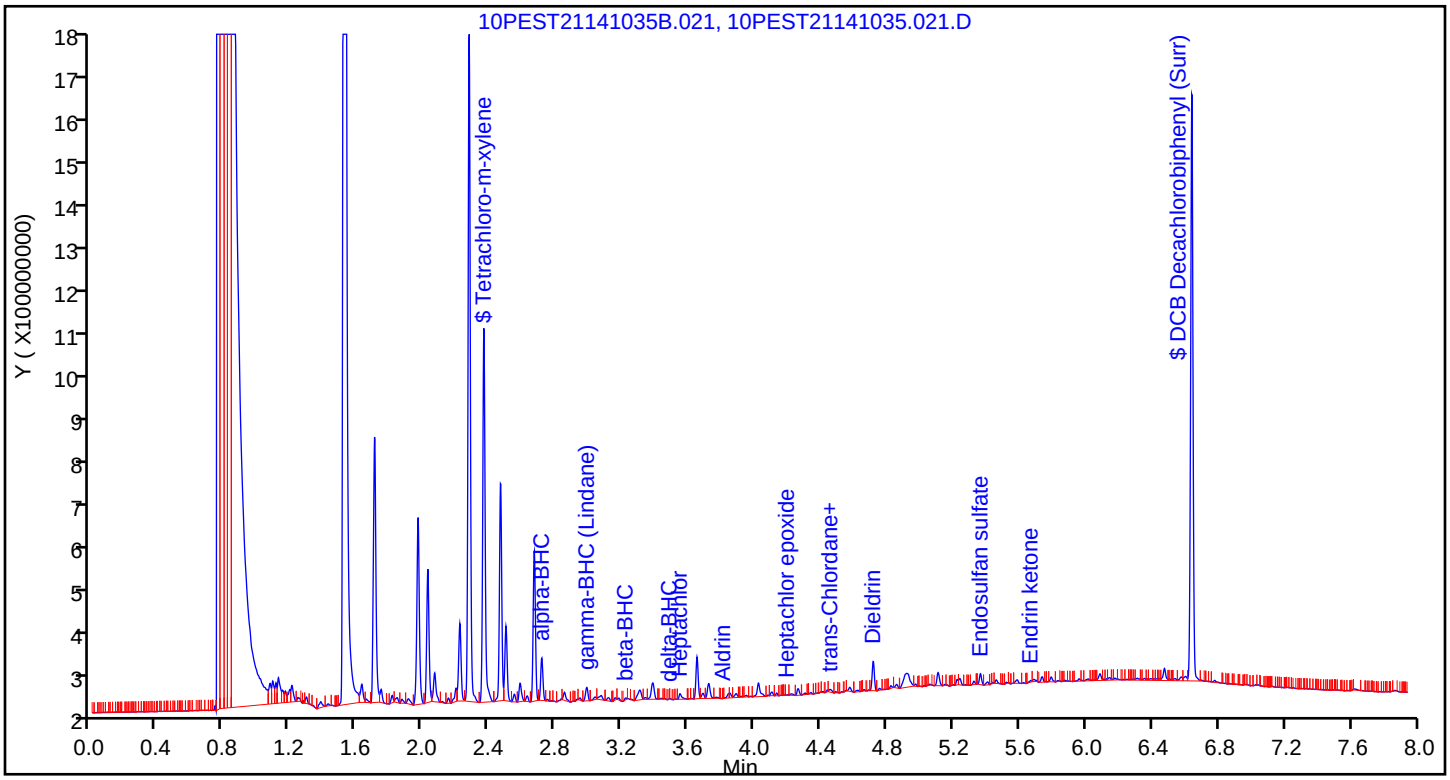
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.021.D

Injection Date:	22-Jun-2021 10:12:00	Instrument ID:	9191		
Lims ID:	410-43723-A-6-A	Lab Sample ID:	410-43723-6		
Client ID:	MW-4-F-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-4-F-20210614 Lab Sample ID: 410-43723-6

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.021.D

Analysis Method: 8081B Date Collected: 06/14/2021 12:58

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 249.4(mL) Date Analyzed: 06/22/2021 10:12

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.013	J p	0.020	0.0030
319-85-7	beta-BHC	ND		0.020	0.0034
319-86-8	delta-BHC	ND		0.020	0.0034

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	101		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	55		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.021.D
Lims ID: 410-43723-A-6-A
Client ID: MW-4-F-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 10:12:00 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-6-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:48:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.823	1.825	-0.002	1337771630	H 8.09	
2	2.367	2.368	-0.001	836711107	H 8.35	
					RPD = 3.15	
3 alpha-BHC						
1	2.233	2.232	0.001	562766492	H 2.28	
2	2.717	2.702	0.015	94839635	H 0.6656	
					RPD = 109.61	
4 gamma-BHC (Lindane)						
1	2.517	2.520	-0.003	63364657	H 0.2947	
2	2.988	2.990	-0.002	30046241	H 0.2449	
					RPD = 18.49	
6 beta-BHC						
1	2.720	2.722	-0.002	21338475	H 0.2146	
2	3.222	3.237	-0.015	4071391	H 0.0694	
					RPD = 102.23	
7 Heptachlor						
1	2.817	2.820	-0.003	2902469	H 0.0171	
2	3.550	3.543	0.007	12397212	H 0.1047	
					RPD = 143.97	
8 delta-BHC						
1	2.987	2.973	0.014	61749969	H 0.2942	
2	3.487	3.477	0.010	900094	H 0.006949	
					RPD = 190.77	
9 Aldrin						
1	3.108	3.100	0.008	942799	H 0.005346	
2	3.812	3.828	-0.016	505219	H 0.004312	
					RPD = 21.42	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.603	3.592	0.011	6349998H	0.0383	
2	4.197	4.197	0.000	483224H	0.004438	
					RPD = 158.44	
12 trans-Chlordane						
1	3.807	3.793	0.014	7546728H	0.0450	
2	4.458	4.453	0.005	6022275H	0.0521	
					RPD = 14.56	
14 cis-Chlordane						7
1	3.875	3.875	0.000	744267H	0.004331	
2	4.490	4.492	-0.002	2731751H	0.0241	
					RPD = 139.12	
LOD = 0.1159						
15 Endosulfan I						7
1	3.927	3.918	0.009	3242919H	0.0200	
2	4.528	4.520	0.008	1414633H	0.0135	
					RPD = 39.09	
LOD = 0.1013						
16 4,4'-DDE						7
1	4.058	4.058	0.000	4026889H	0.0231	
2	4.623	4.615	0.008	3519719H	0.0303	
					RPD = 27.30	
LOD = 0.2046						
17 Dieldrin						
1	4.152	4.155	-0.003	102380063H	0.5838	
2	4.717	4.720	-0.003	65406311H	0.5793	
					RPD = 0.76	
19 Endrin						7
1	4.422	4.405	0.017	14876105H	0.0915	
2	4.920	4.893	0.027	31133612H	0.2940	
					RPD = 105.02	
LOD = 0.1389						
22 4,4'-DDD						7
1	4.525	4.518	0.007	14631123H	0.1070	
2	4.998	5.005	-0.007	748284H	0.007979	
					RPD = 172.24	
LOD = 0.1943						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.600	4.617	-0.017	36097355H	0.2274	
2	5.108	5.090	0.018	29439319H	0.3003	
					RPD = 27.61	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.723	4.728	-0.005	23604969H	0.1799	
2	5.225	5.228	-0.003	12183062H	0.1402	
					RPD = 24.77	
LOD = 0.2113						
25 Endrin aldehyde						7
1	4.782	4.792	-0.010	1890628H	0.0139	
2	5.162	5.170	-0.008	1796405H	0.0214	
					RPD = 42.67	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.935	4.943	-0.008	34250773H	0.2138	
2	5.365	5.377	-0.012	24590644H	0.2486	
					RPD = 15.06	
28 Methoxychlor						7
1	5.250	5.235	0.015	2296629H	0.0344	
2	5.537	5.542	-0.005	1044125H	0.0228	
					RPD = 40.60	
LOD = 1.24						
29 Endrin ketone						
1	5.368	5.375	-0.007	662730H	0.003972	
2	5.667	5.672	-0.005	3708752H	0.0354	
					RPD = 159.61	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.132	6.137	-0.005	2484863240H	14.3	
2	6.640	6.645	-0.005	1312777909H	15.2	
					RPD = 5.56	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

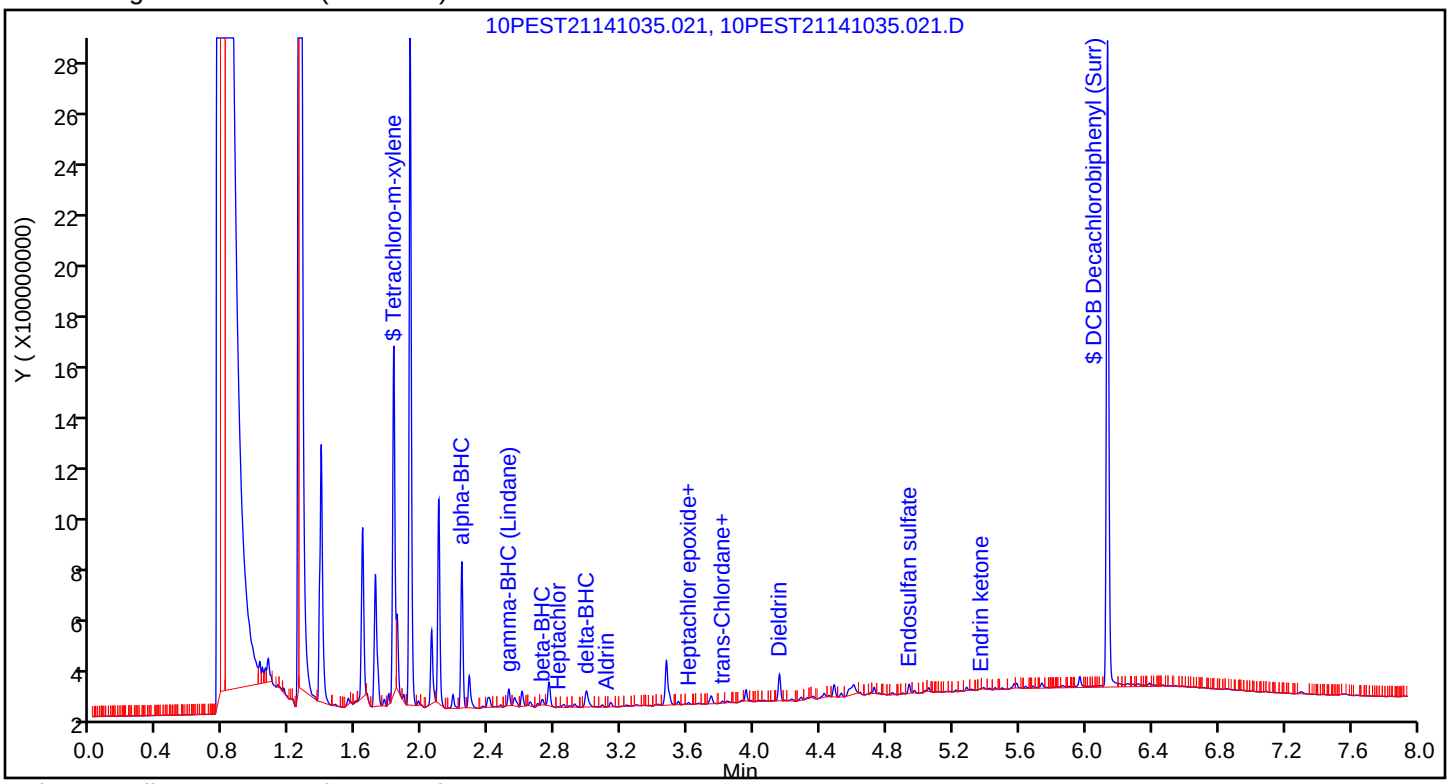
Report Date: 22-Jun-2021 15:51:40 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

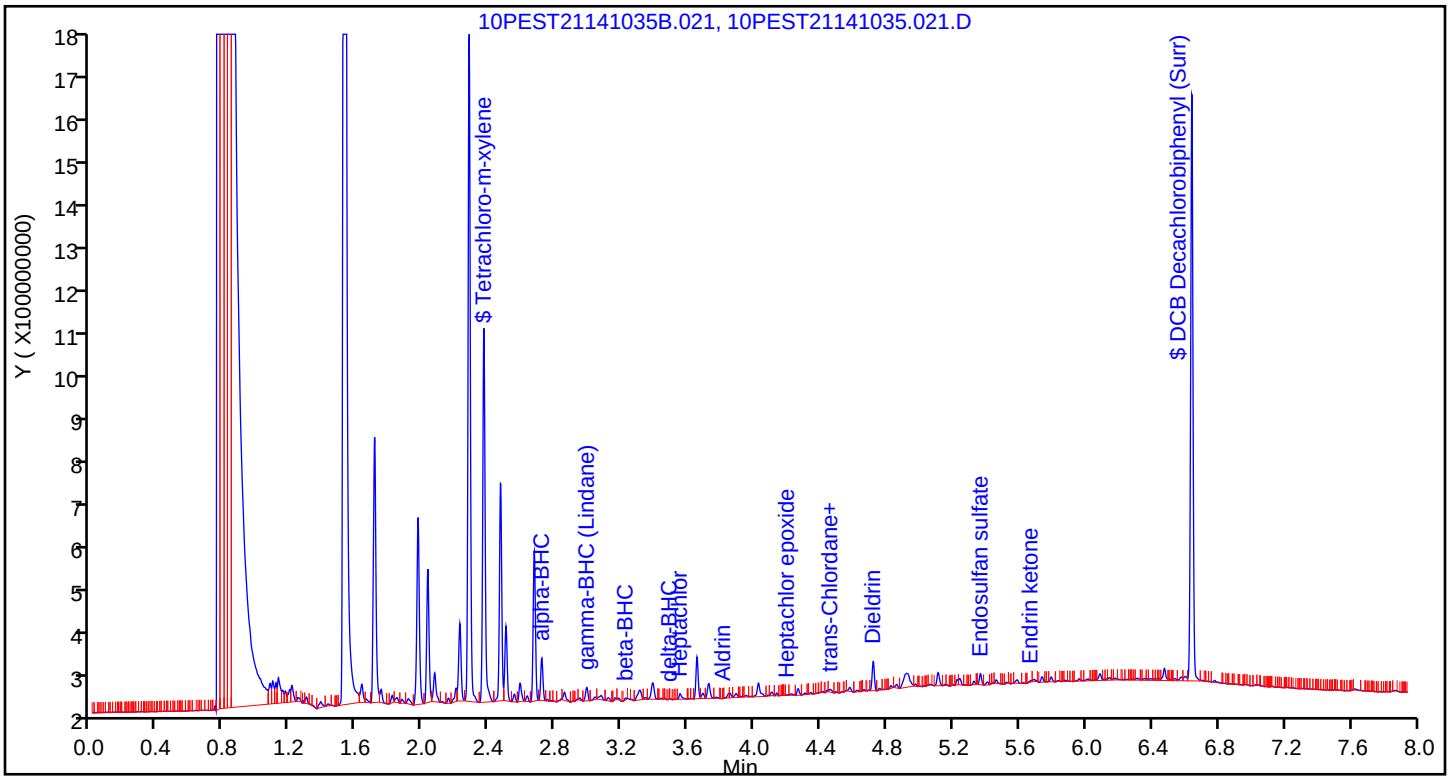
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.021.D

Injection Date:	22-Jun-2021 10:12:00	Instrument ID:	9191		
Lims ID:	410-43723-A-6-A	Lab Sample ID:	410-43723-6		
Client ID:	MW-4-F-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-2D-UF-20210614 Lab Sample ID: 410-43723-7

Matrix: Ground Water Lab File ID: 10PEST21141035.032.D

Analysis Method: 8081B Date Collected: 06/14/2021 12:56

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 236.5(mL) Date Analyzed: 06/22/2021 12:26

Con. Extract Vol.: 5(mL) Dilution Factor: 5

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.11	0.011
319-84-6	alpha-BHC	ND		0.11	0.016
5103-71-9	alpha-Chlordane	ND		0.11	0.016
319-85-7	beta-BHC	ND		0.11	0.018
319-86-8	delta-BHC	ND		0.11	0.018
60-57-1	Dieldrin	ND		0.16	0.028
959-98-8	Endosulfan I	ND		0.11	0.023
33213-65-9	Endosulfan II	ND		0.21	0.079
1031-07-8	Endosulfan sulfate	ND		0.16	0.031
72-20-8	Endrin	ND		0.16	0.043
7421-93-4	Endrin aldehyde	ND		0.53	0.11
53494-70-5	Endrin ketone	ND		0.16	0.026
58-89-9	gamma-BHC (Lindane)	ND		0.11	0.011
5103-74-2	gamma-Chlordane	ND		0.21	0.037
76-44-8	Heptachlor	ND		0.11	0.011
1024-57-3	Heptachlor epoxide	ND		0.11	0.012
72-43-5	Methoxychlor	ND		0.58	0.16
8001-35-2	Toxaphene	ND		5.3	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	52		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	47		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.032.D
Lims ID: 410-43723-A-7-A
Client ID: MW-2D-UF-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 12:26:00 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-43723-A-7-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.822	1.825	-0.003	235285549	H 1.42	
2	2.367	2.368	-0.001	145869698	H 1.46	
					RPD = 2.27	
3 alpha-BHC						
1	2.238	2.232	0.006	12234138	H 0.0496	
2	2.725	2.702	0.023	50087649	H 0.3515	
					RPD = 150.57	
4 gamma-BHC (Lindane)						
1	2.513	2.520	-0.007	331400	H 0.001541	
2	2.978	2.990	-0.012	4213971	H 0.0343	
					RPD = 182.82	
6 beta-BHC						
1	2.718	2.722	-0.004	3195912	H 0.0321	
2	3.225	3.237	-0.012	4975211	H 0.0848	
					RPD = 90.09	
7 Heptachlor						
1	2.823	2.820	0.003	362419	H 0.002130	
2	3.552	3.543	0.009	1300824	H 0.0110	
					RPD = 135.06	
8 delta-BHC						
1	2.980	2.973	0.007	9107761	H 0.0434	
2	3.472	3.477	-0.005	422531	H 0.003262	
					RPD = 172.03	
9 Aldrin						
1	3.087	3.100	-0.013	9739918	H 0.0552	
2	3.825	3.828	-0.003	11322773	H 0.0966	
					RPD = 54.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.580	3.592	-0.012	13546281H	0.0817	
2	4.185	4.197	-0.012	17158601H	0.1576	
					RPD = 63.47	
12 trans-Chlordane						
1	3.793	3.793	0.000	47396725H	0.2829	
2	4.465	4.453	0.012	13693614H	0.1185	
					RPD = 81.91	
14 cis-Chlordane						7
1	3.872	3.875	-0.003	6768381H	0.0394	
2	4.490	4.492	-0.002	4986663H	0.0440	
					RPD = 11.16	
LOD = 0.1159						
15 Endosulfan I						7
1	3.915	3.918	-0.003	1240092H	0.007655	
2	4.527	4.520	0.007	4601954H	0.0438	
					RPD = 140.53	
LOD = 0.1013						
16 4,4'-DDE						
1	4.053	4.058	-0.005	117109585H	0.6705	
2	4.612	4.615	-0.003	90651546H	0.7815	
					RPD = 15.30	
17 Dieldrin						7
1	4.150	4.155	-0.005	22669368H	0.1293	
2	4.717	4.720	-0.003	13268137H	0.1175	
					RPD = 9.51	
LOD = 0.2161						
19 Endrin						7
1	4.422	4.405	0.017	1857558H	0.0114	
2	4.915	4.893	0.022	28928213H	0.2731	
					RPD = 183.93	
LOD = 0.1389						
22 4,4'-DDD						
1	4.515	4.518	-0.003	229539165H	1.68	
2	5.002	5.005	-0.003	160545845H	1.71	
					RPD = 1.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.627	4.617	0.010	13890522H	0.0875	
2	5.093	5.090	0.003	197198H	0.002011	
					RPD = 191.01	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.722	4.728	-0.006	756863602H	5.77	
2	5.252	5.228	0.024	3199664H	0.0368	
					RPD = 197.46	
LOD = 0.2113						
25 Endrin aldehyde						
1	4.800	4.792	0.008	54097253H	0.3977	
2	5.158	5.170	-0.012	559748191H	6.68	
					RPD = 177.52	
26 Endosulfan sulfate						
1	4.935	4.943	-0.008	10197275H	0.0636	
2	5.373	5.377	-0.004	27855053H	0.2816	
					RPD = 126.26	
28 Methoxychlor						7
1	5.230	5.235	-0.005	1404327H	0.0210	
2	5.533	5.542	-0.009	502587H	0.0110	
					RPD = 62.89	
LOD = 1.24						
29 Endrin ketone						
1	5.380	5.375	0.005	1344047H	0.008055	
2	5.675	5.672	0.003	187078H	0.001784	
					RPD = 127.49	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.132	6.137	-0.005	269168017H	1.55	
2	6.640	6.645	-0.005	149123730H	1.72	
					RPD = 10.31	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

Report Date: 22-Jun-2021 15:51:58 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.032.D

Injection Date: 22-Jun-2021 12:26:00 Instrument ID: 9191

Lims ID: 410-43723-A-7-A Lab Sample ID: 410-43723-7

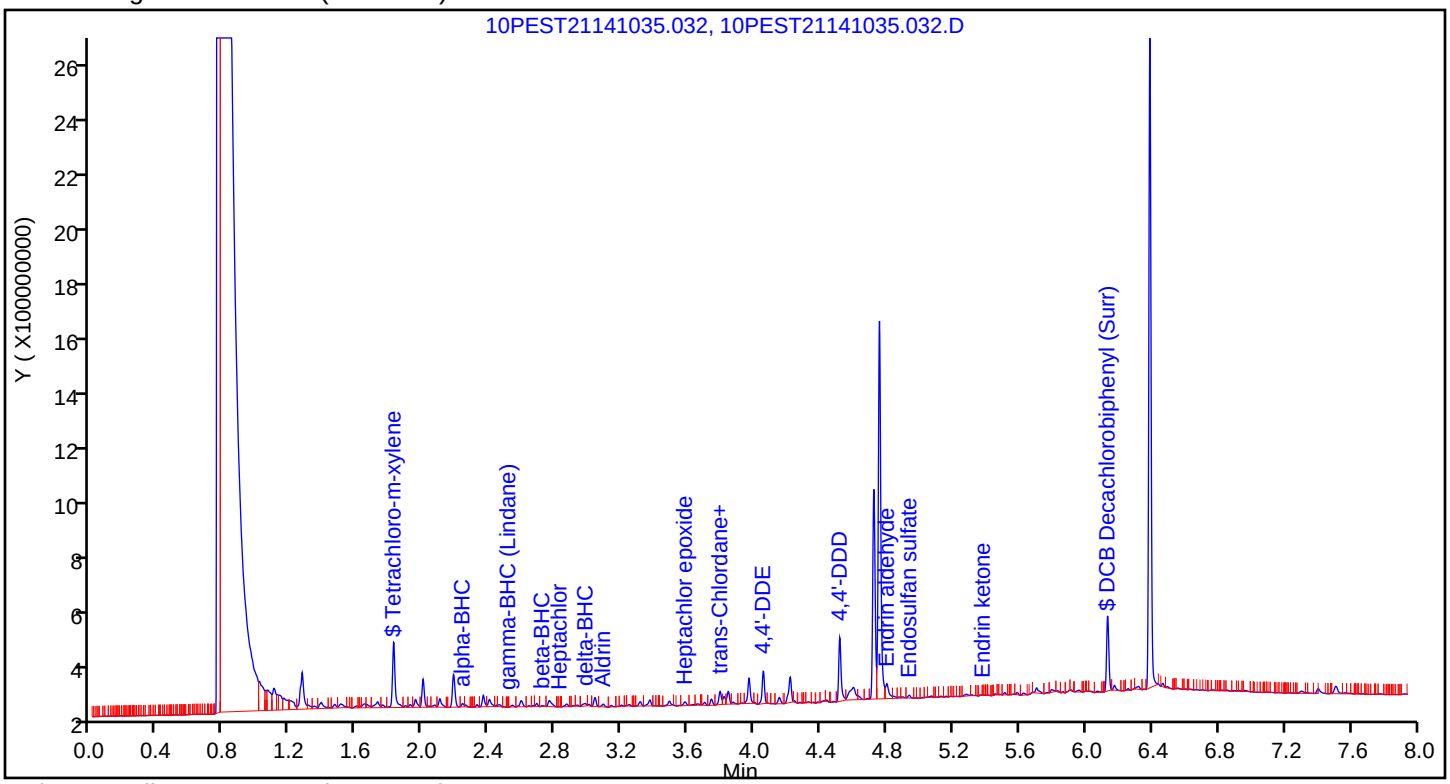
Client ID: MW-2D-UF-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 32

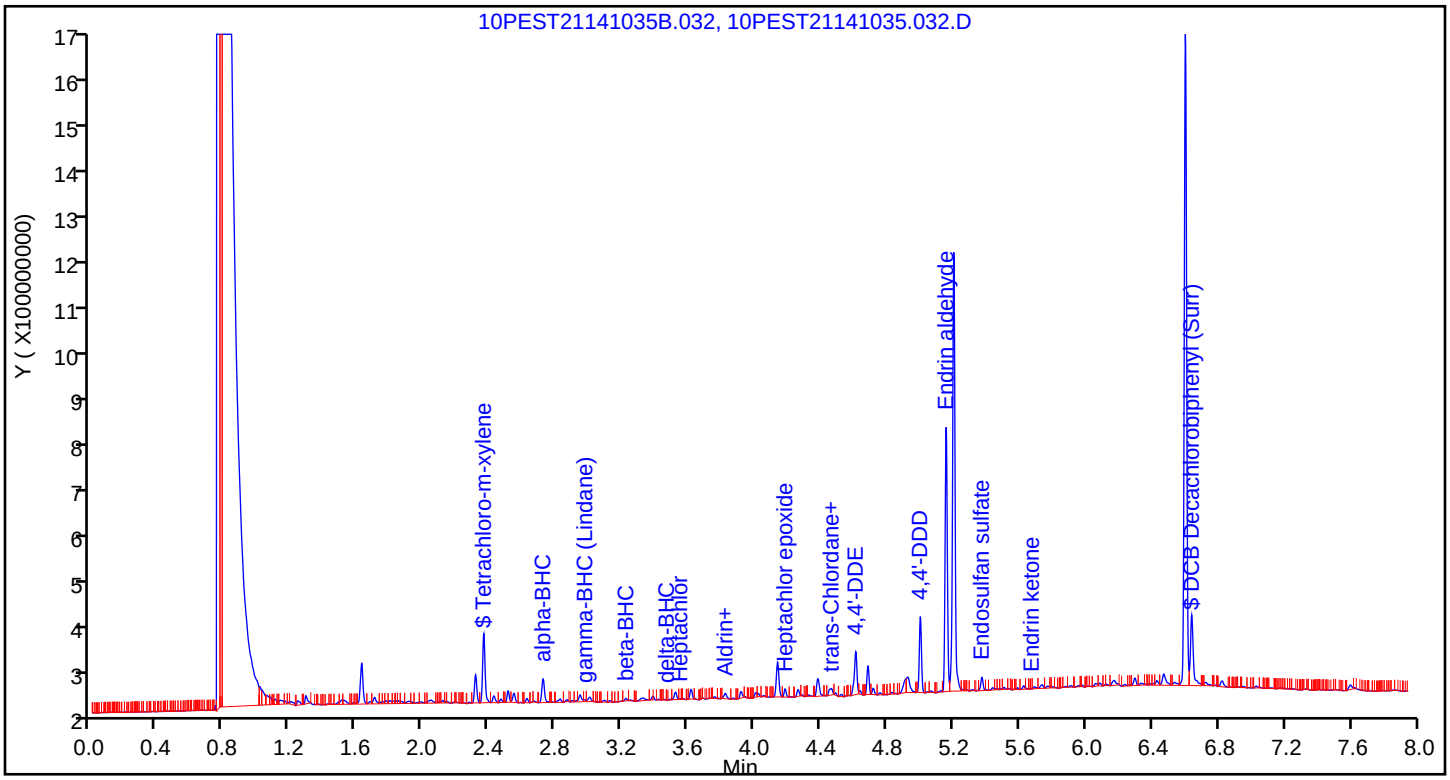
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-2D-UF-20210614 Lab Sample ID: 410-43723-7

Matrix: Ground Water Lab File ID: 10PEST21141035.032.D

Analysis Method: 8081B Date Collected: 06/14/2021 12:56

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 236.5(mL) Date Analyzed: 06/22/2021 12:26

Con. Extract Vol.: 5(mL) Dilution Factor: 5

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	p,p'-DDD	0.18		0.16	0.026
72-55-9	p,p'-DDE	0.083	J	0.16	0.026
50-29-3	p,p'-DDT	ND		0.16	0.027

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	57		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	48		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.032.D
Lims ID: 410-43723-A-7-A
Client ID: MW-2D-UF-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 12:26:00 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-43723-A-7-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.822	1.825	-0.003	235285549	H 1.42	
2	2.367	2.368	-0.001	145869698	H 1.46	
					RPD = 2.27	
3 alpha-BHC						
1	2.238	2.232	0.006	12234138	H 0.0496	
2	2.725	2.702	0.023	50087649	H 0.3515	
					RPD = 150.57	
4 gamma-BHC (Lindane)						
1	2.513	2.520	-0.007	331400	H 0.001541	
2	2.978	2.990	-0.012	4213971	H 0.0343	
					RPD = 182.82	
6 beta-BHC						
1	2.718	2.722	-0.004	3195912	H 0.0321	
2	3.225	3.237	-0.012	4975211	H 0.0848	
					RPD = 90.09	
7 Heptachlor						
1	2.823	2.820	0.003	362419	H 0.002130	
2	3.552	3.543	0.009	1300824	H 0.0110	
					RPD = 135.06	
8 delta-BHC						
1	2.980	2.973	0.007	9107761	H 0.0434	
2	3.472	3.477	-0.005	422531	H 0.003262	
					RPD = 172.03	
9 Aldrin						
1	3.087	3.100	-0.013	9739918	H 0.0552	
2	3.825	3.828	-0.003	11322773	H 0.0966	
					RPD = 54.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.580	3.592	-0.012	13546281H	0.0817	
2	4.185	4.197	-0.012	17158601H	0.1576	
					RPD = 63.47	
12 trans-Chlordane						
1	3.793	3.793	0.000	47396725H	0.2829	
2	4.465	4.453	0.012	13693614H	0.1185	
					RPD = 81.91	
14 cis-Chlordane						7
1	3.872	3.875	-0.003	6768381H	0.0394	
2	4.490	4.492	-0.002	4986663H	0.0440	
					RPD = 11.16	
LOD = 0.1159						
15 Endosulfan I						7
1	3.915	3.918	-0.003	1240092H	0.007655	
2	4.527	4.520	0.007	4601954H	0.0438	
					RPD = 140.53	
LOD = 0.1013						
16 4,4'-DDE						
1	4.053	4.058	-0.005	117109585H	0.6705	
2	4.612	4.615	-0.003	90651546H	0.7815	
					RPD = 15.30	
17 Dieldrin						7
1	4.150	4.155	-0.005	22669368H	0.1293	
2	4.717	4.720	-0.003	13268137H	0.1175	
					RPD = 9.51	
LOD = 0.2161						
19 Endrin						7
1	4.422	4.405	0.017	1857558H	0.0114	
2	4.915	4.893	0.022	28928213H	0.2731	
					RPD = 183.93	
LOD = 0.1389						
22 4,4'-DDD						
1	4.515	4.518	-0.003	229539165H	1.68	
2	5.002	5.005	-0.003	160545845H	1.71	
					RPD = 1.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.627	4.617	0.010	13890522H	0.0875	
2	5.093	5.090	0.003	197198H	0.002011	
					RPD = 191.01	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.722	4.728	-0.006	756863602H	5.77	
2	5.252	5.228	0.024	3199664H	0.0368	
					RPD = 197.46	
LOD = 0.2113						
25 Endrin aldehyde						
1	4.800	4.792	0.008	54097253H	0.3977	
2	5.158	5.170	-0.012	559748191H	6.68	
					RPD = 177.52	
26 Endosulfan sulfate						
1	4.935	4.943	-0.008	10197275H	0.0636	
2	5.373	5.377	-0.004	27855053H	0.2816	
					RPD = 126.26	
28 Methoxychlor						7
1	5.230	5.235	-0.005	1404327H	0.0210	
2	5.533	5.542	-0.009	502587H	0.0110	
					RPD = 62.89	
LOD = 1.24						
29 Endrin ketone						
1	5.380	5.375	0.005	1344047H	0.008055	
2	5.675	5.672	0.003	187078H	0.001784	
					RPD = 127.49	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.132	6.137	-0.005	269168017H	1.55	
2	6.640	6.645	-0.005	149123730H	1.72	
					RPD = 10.31	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

Report Date: 22-Jun-2021 15:51:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.032.D

Injection Date: 22-Jun-2021 12:26:00 Instrument ID: 9191

Lims ID: 410-43723-A-7-A Lab Sample ID: 410-43723-7

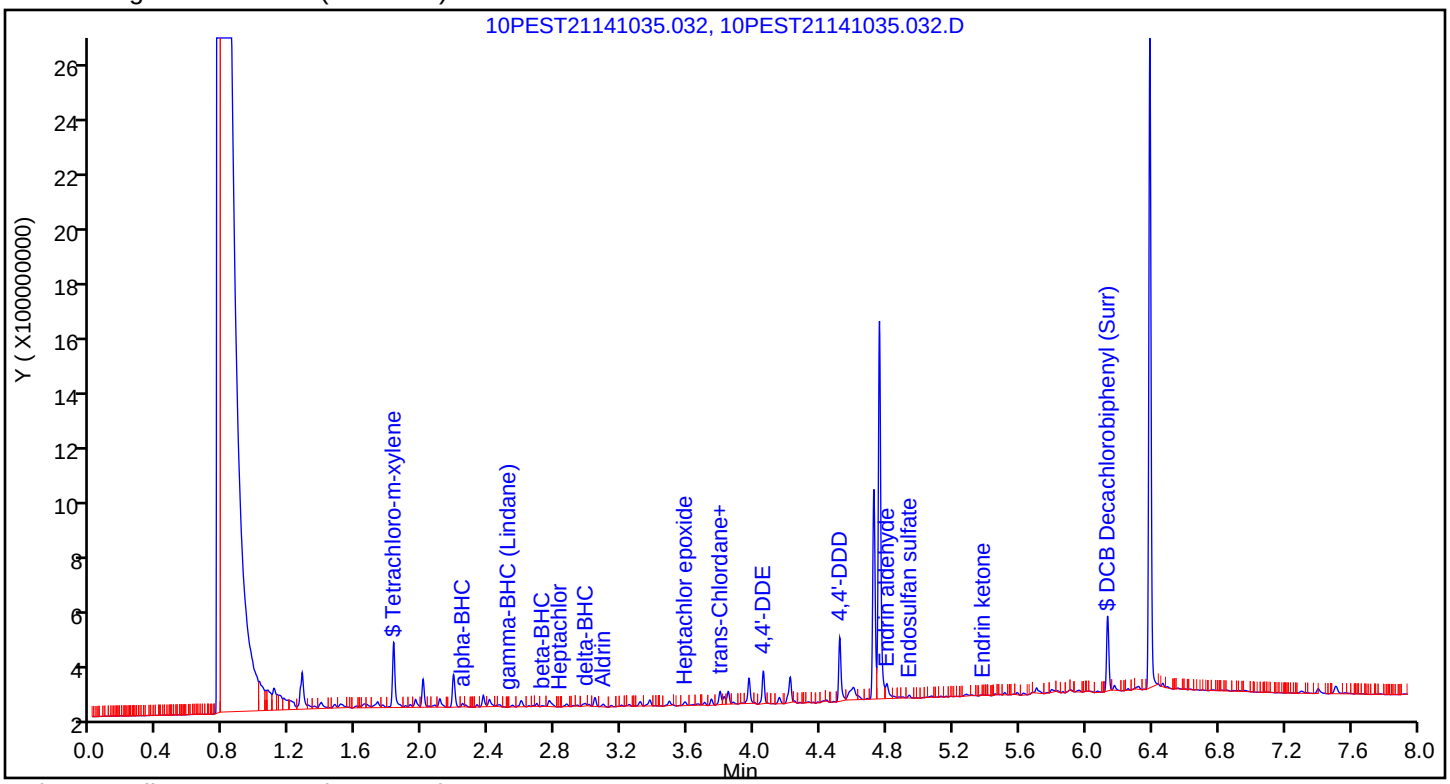
Client ID: MW-2D-UF-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 32

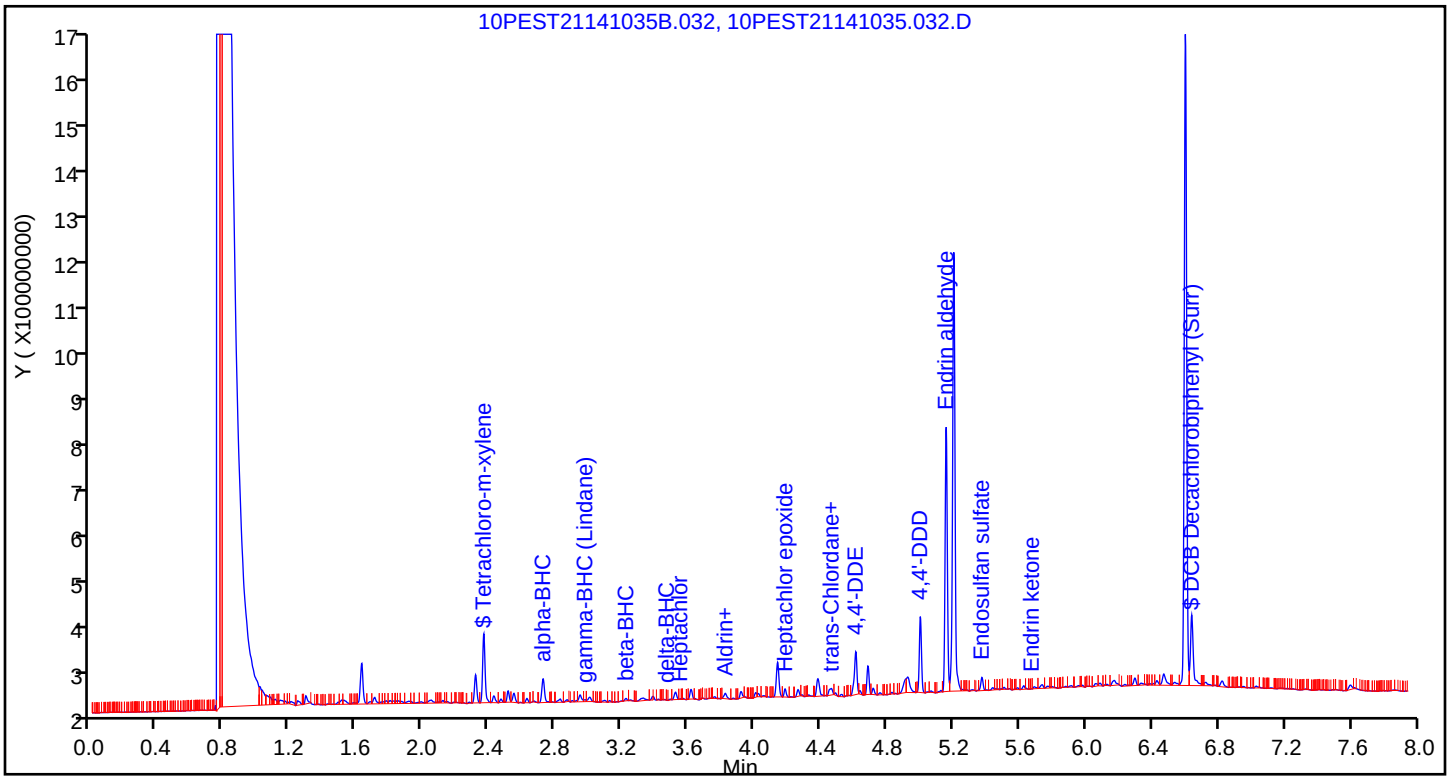
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-2D-F-20210614 Lab Sample ID: 410-43723-8

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.022.D

Analysis Method: 8081B Date Collected: 06/14/2021 12:59

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 246.1(mL) Date Analyzed: 06/22/2021 10:24

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0054	J p	0.020	0.0020
319-84-6	alpha-BHC	0.0048	J p	0.020	0.0030
5103-71-9	alpha-Chlordane	ND		0.020	0.0030
60-57-1	Dieldrin	ND		0.030	0.0054
959-98-8	Endosulfan I	ND		0.020	0.0044
33213-65-9	Endosulfan II	ND		0.041	0.015
1031-07-8	Endosulfan sulfate	ND		0.030	0.0059
72-20-8	Endrin	ND		0.030	0.0082
7421-93-4	Endrin aldehyde	ND		0.10	0.020
53494-70-5	Endrin ketone	ND		0.030	0.0051
76-44-8	Heptachlor	ND		0.020	0.0020
1024-57-3	Heptachlor epoxide	ND		0.020	0.0023
72-43-5	Methoxychlor	ND		0.11	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	0.056		0.030	0.0051

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	66		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	53		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.022.D
Lims ID: 410-43723-A-8-A
Client ID: MW-2D-F-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 10:24:00 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-8-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:48:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.820	1.825	-0.005	1324989668	8.01	H
2	2.363	2.368	-0.005	814015792	8.12	H
					RPD = 1.36	
3 alpha-BHC						
1	2.235	2.232	0.003	57799295	0.2342	H
2	2.722	2.702	0.020	213440766	1.50	H
					RPD = 145.93	
4 gamma-BHC (Lindane)						
1	2.538	2.520	0.018	25887703	0.1204	H
2	2.978	2.990	-0.012	3556922	0.0290	H
					RPD = 122.39	
6 beta-BHC						
1	2.728	2.722	0.006	42556525	0.4281	H
2	3.247	3.237	0.010	13189846	0.2249	H
					RPD = 62.21	
7 Heptachlor						
1	2.823	2.820	0.003	3996969	0.0235	H
2	3.547	3.543	0.004	4656391	0.0393	H
					RPD = 50.44	
8 delta-BHC						
1	2.962	2.973	-0.011	40868228	0.1947	H
2	3.490	3.477	0.013	7083337	0.0547	H
					RPD = 112.30	
9 Aldrin						
1	3.083	3.100	-0.017	47272263	0.2681	H
2	3.822	3.828	-0.006	54491600	0.4651	H
					RPD = 53.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.602	3.592	0.010	924957H	0.005576	
2	4.208	4.197	0.011	2921091H	0.0268	
					RPD = 131.17	
12 trans-Chlordane						
1	3.788	3.793	-0.005	182259223H	1.09	
2	4.458	4.453	0.005	21249973H	0.1839	
					RPD = 142.16	
14 cis-Chlordane						7
1	3.872	3.875	-0.003	10200726H	0.0594	
2	4.485	4.492	-0.007	11302724H	0.0998	
					RPD = 50.84	
LOD = 0.1159						
15 Endosulfan I						7
1	3.925	3.918	0.007	2600733H	0.0161	
2	4.522	4.520	0.002	10370727H	0.0988	
					RPD = 144.07	
LOD = 0.1013						
16 4,4'-DDE						
1	4.050	4.058	-0.008	161965436H	0.9273	
2	4.607	4.615	-0.008	129472305H	1.12	
					RPD = 18.49	
17 Dieldrin						7
1	4.148	4.155	-0.007	40588840H	0.2314	
2	4.715	4.720	-0.005	17445783H	0.1545	
					RPD = 39.86	
LOD = 0.2161						
19 Endrin						7
1	4.403	4.405	-0.002	11660983H	0.0718	
2	4.912	4.893	0.019	33143735H	0.3129	
					RPD = 125.39	
LOD = 0.1389						
22 4,4'-DDD						
1	4.517	4.518	-0.001	378801344H	2.77	
2	4.998	5.005	-0.007	218912302H	2.33	
					RPD = 17.09	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.627	4.617	0.010	19923344H	0.1255	
2	5.087	5.090	-0.003	535914H	0.005466	
					RPD = 183.31	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.718	4.728	-0.010	1468980819H	11.2	
2	5.252	5.228	0.024	5617784H	0.0647	
					RPD = 197.70	
LOD = 0.2113						
25 Endrin aldehyde						
1	4.795	4.792	0.003	49847152H	0.3665	
2	5.155	5.170	-0.015	1036374953H	12.4	
					RPD = 188.49	
26 Endosulfan sulfate						
1	4.930	4.943	-0.013	20286976H	0.1266	
2	5.370	5.377	-0.007	32168893H	0.3252	
					RPD = 87.90	
28 Methoxychlor						7
1	5.243	5.235	0.008	11423255H	0.1712	
2	5.537	5.542	-0.005	3673176H	0.0802	
					RPD = 72.37	
LOD = 1.24						
29 Endrin ketone						
1	5.385	5.375	0.010	15507365H	0.0929	
2	5.678	5.672	0.006	1097844H	0.0105	
					RPD = 159.51	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.130	6.137	-0.007	1717754700H	9.91	
2	6.638	6.645	-0.007	868737863H	10.0	
					RPD = 1.20	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

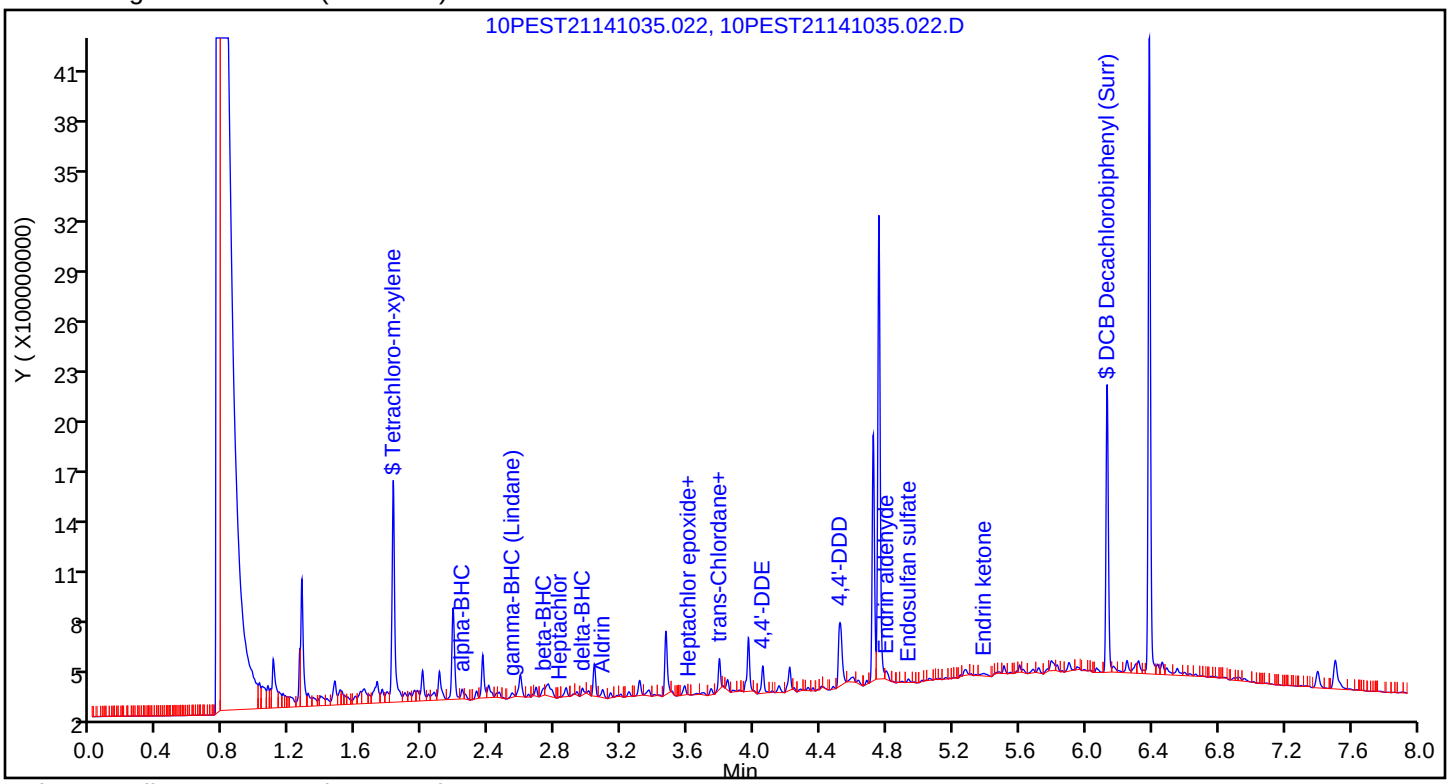
Report Date: 22-Jun-2021 15:51:41 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

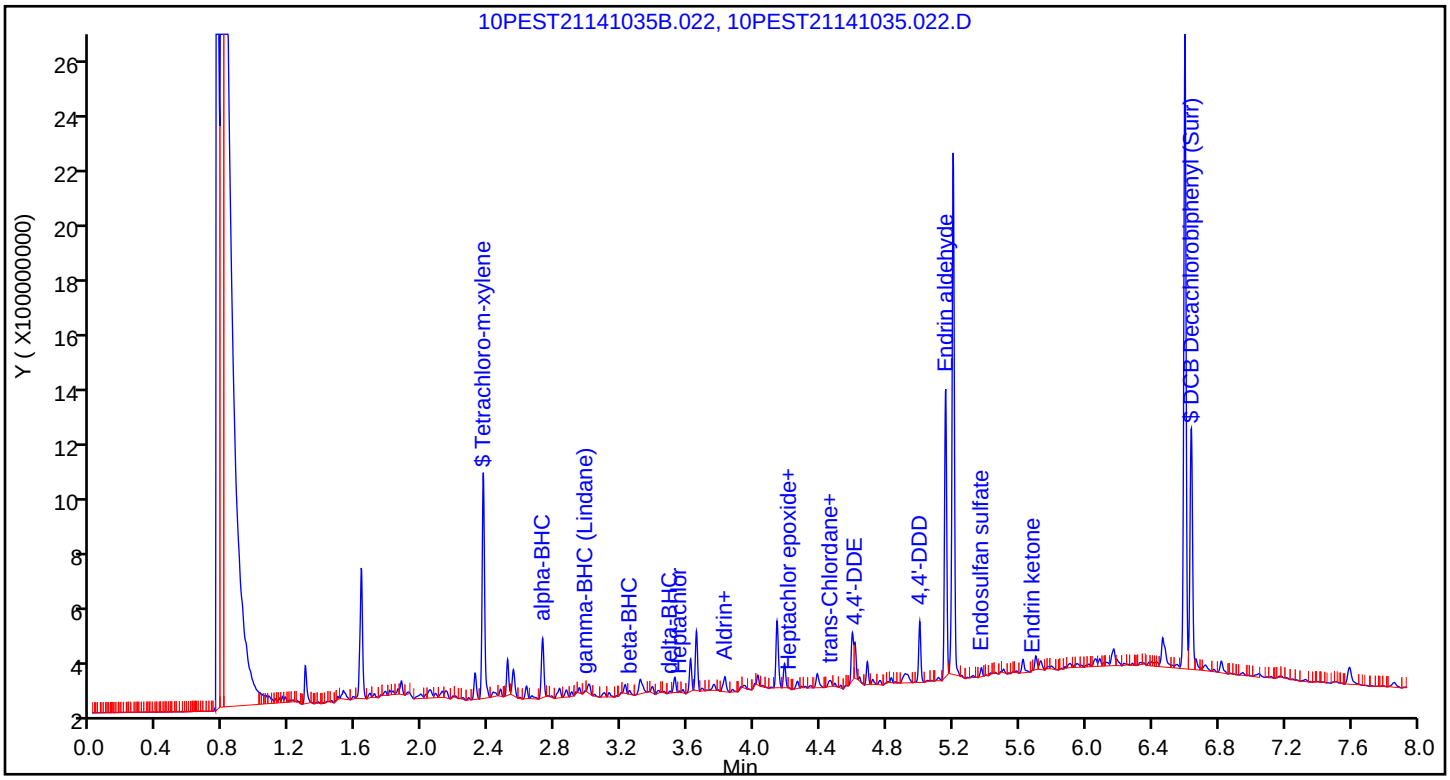
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.022.D

Injection Date:	22-Jun-2021 10:24:00	Instrument ID:	9191		
Lims ID:	410-43723-A-8-A	Lab Sample ID:	410-43723-8		
Client ID:	MW-2D-F-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-2D-F-20210614 Lab Sample ID: 410-43723-8

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.022.D

Analysis Method: 8081B Date Collected: 06/14/2021 12:59

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 246.1(mL) Date Analyzed: 06/22/2021 10:24

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-85-7	beta-BHC	0.0046	J p	0.020	0.0035
319-86-8	delta-BHC	ND		0.020	0.0035
58-89-9	gamma-BHC (Lindane)	ND		0.020	0.0020
5103-74-2	gamma-Chlordane	ND		0.041	0.0071
72-55-9	p,p'-DDE	0.023	J	0.030	0.0051
50-29-3	p,p'-DDT	ND		0.030	0.0053

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	67		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	54		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.022.D
Lims ID: 410-43723-A-8-A
Client ID: MW-2D-F-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 10:24:00 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-8-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:48:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.820	1.825	-0.005	1324989668	8.01	H
2	2.363	2.368	-0.005	814015792	8.12	H
					RPD = 1.36	
3 alpha-BHC						
1	2.235	2.232	0.003	57799295	0.2342	H
2	2.722	2.702	0.020	213440766	1.50	H
					RPD = 145.93	
4 gamma-BHC (Lindane)						
1	2.538	2.520	0.018	25887703	0.1204	H
2	2.978	2.990	-0.012	3556922	0.0290	H
					RPD = 122.39	
6 beta-BHC						
1	2.728	2.722	0.006	42556525	0.4281	H
2	3.247	3.237	0.010	13189846	0.2249	H
					RPD = 62.21	
7 Heptachlor						
1	2.823	2.820	0.003	3996969	0.0235	H
2	3.547	3.543	0.004	4656391	0.0393	H
					RPD = 50.44	
8 delta-BHC						
1	2.962	2.973	-0.011	40868228	0.1947	H
2	3.490	3.477	0.013	7083337	0.0547	H
					RPD = 112.30	
9 Aldrin						
1	3.083	3.100	-0.017	47272263	0.2681	H
2	3.822	3.828	-0.006	54491600	0.4651	H
					RPD = 53.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.602	3.592	0.010	924957H	0.005576	
2	4.208	4.197	0.011	2921091H	0.0268	
					RPD = 131.17	
12 trans-Chlordane						
1	3.788	3.793	-0.005	182259223H	1.09	
2	4.458	4.453	0.005	21249973H	0.1839	
					RPD = 142.16	
14 cis-Chlordane						7
1	3.872	3.875	-0.003	10200726H	0.0594	
2	4.485	4.492	-0.007	11302724H	0.0998	
					RPD = 50.84	
LOD = 0.1159						
15 Endosulfan I						7
1	3.925	3.918	0.007	2600733H	0.0161	
2	4.522	4.520	0.002	10370727H	0.0988	
					RPD = 144.07	
LOD = 0.1013						
16 4,4'-DDE						
1	4.050	4.058	-0.008	161965436H	0.9273	
2	4.607	4.615	-0.008	129472305H	1.12	
					RPD = 18.49	
17 Dieldrin						7
1	4.148	4.155	-0.007	40588840H	0.2314	
2	4.715	4.720	-0.005	17445783H	0.1545	
					RPD = 39.86	
LOD = 0.2161						
19 Endrin						7
1	4.403	4.405	-0.002	11660983H	0.0718	
2	4.912	4.893	0.019	33143735H	0.3129	
					RPD = 125.39	
LOD = 0.1389						
22 4,4'-DDD						
1	4.517	4.518	-0.001	378801344H	2.77	
2	4.998	5.005	-0.007	218912302H	2.33	
					RPD = 17.09	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.627	4.617	0.010	19923344H	0.1255	
2	5.087	5.090	-0.003	535914H	0.005466	
					RPD = 183.31	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.718	4.728	-0.010	1468980819H	11.2	
2	5.252	5.228	0.024	5617784H	0.0647	
					RPD = 197.70	
LOD = 0.2113						
25 Endrin aldehyde						
1	4.795	4.792	0.003	49847152H	0.3665	
2	5.155	5.170	-0.015	1036374953H	12.4	
					RPD = 188.49	
26 Endosulfan sulfate						
1	4.930	4.943	-0.013	20286976H	0.1266	
2	5.370	5.377	-0.007	32168893H	0.3252	
					RPD = 87.90	
28 Methoxychlor						7
1	5.243	5.235	0.008	11423255H	0.1712	
2	5.537	5.542	-0.005	3673176H	0.0802	
					RPD = 72.37	
LOD = 1.24						
29 Endrin ketone						
1	5.385	5.375	0.010	15507365H	0.0929	
2	5.678	5.672	0.006	1097844H	0.0105	
					RPD = 159.51	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.130	6.137	-0.007	1717754700H	9.91	
2	6.638	6.645	-0.007	868737863H	10.0	
					RPD = 1.20	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

Report Date: 22-Jun-2021 15:51:41 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.022.D

Injection Date: 22-Jun-2021 10:24:00 Instrument ID: 9191

Lims ID: 410-43723-A-8-A Lab Sample ID: 410-43723-8

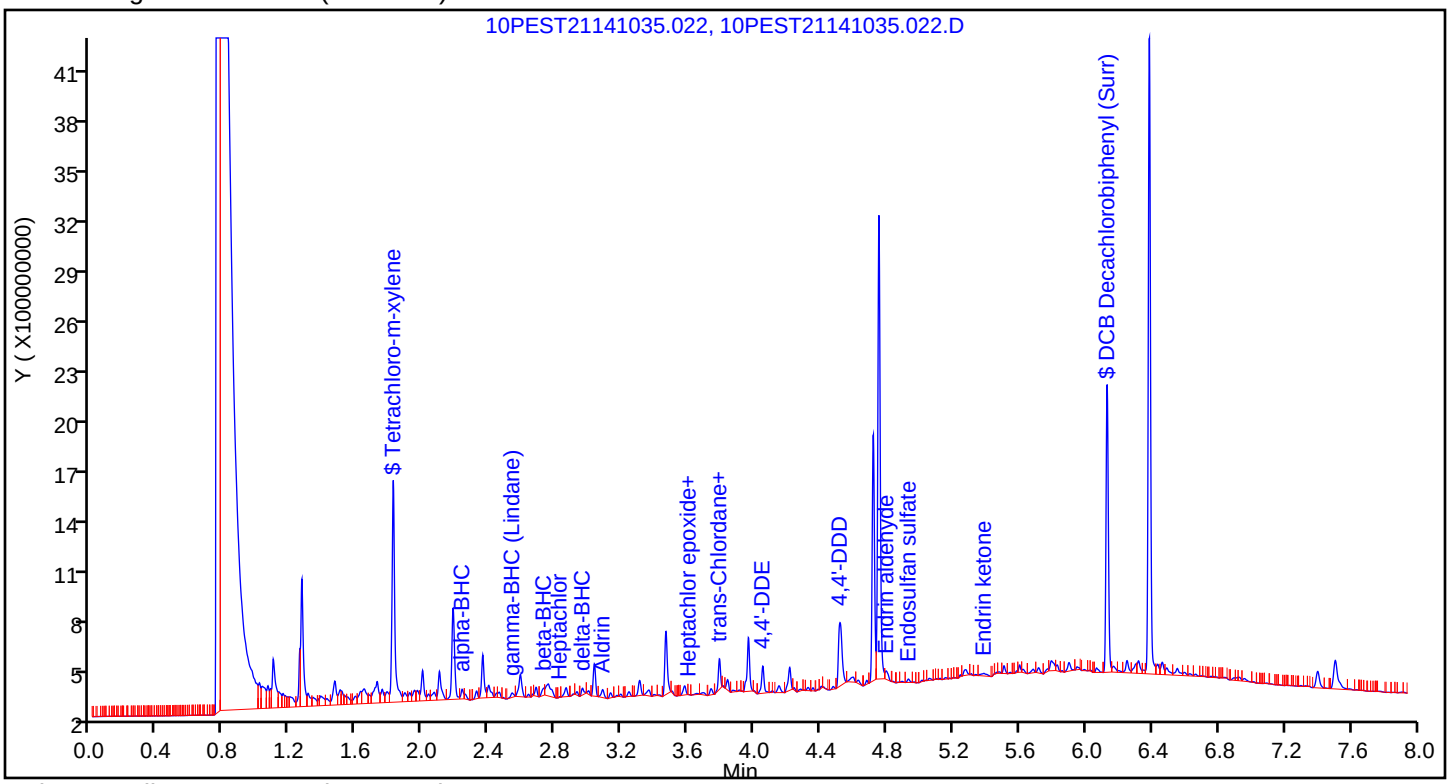
Client ID: MW-2D-F-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 22

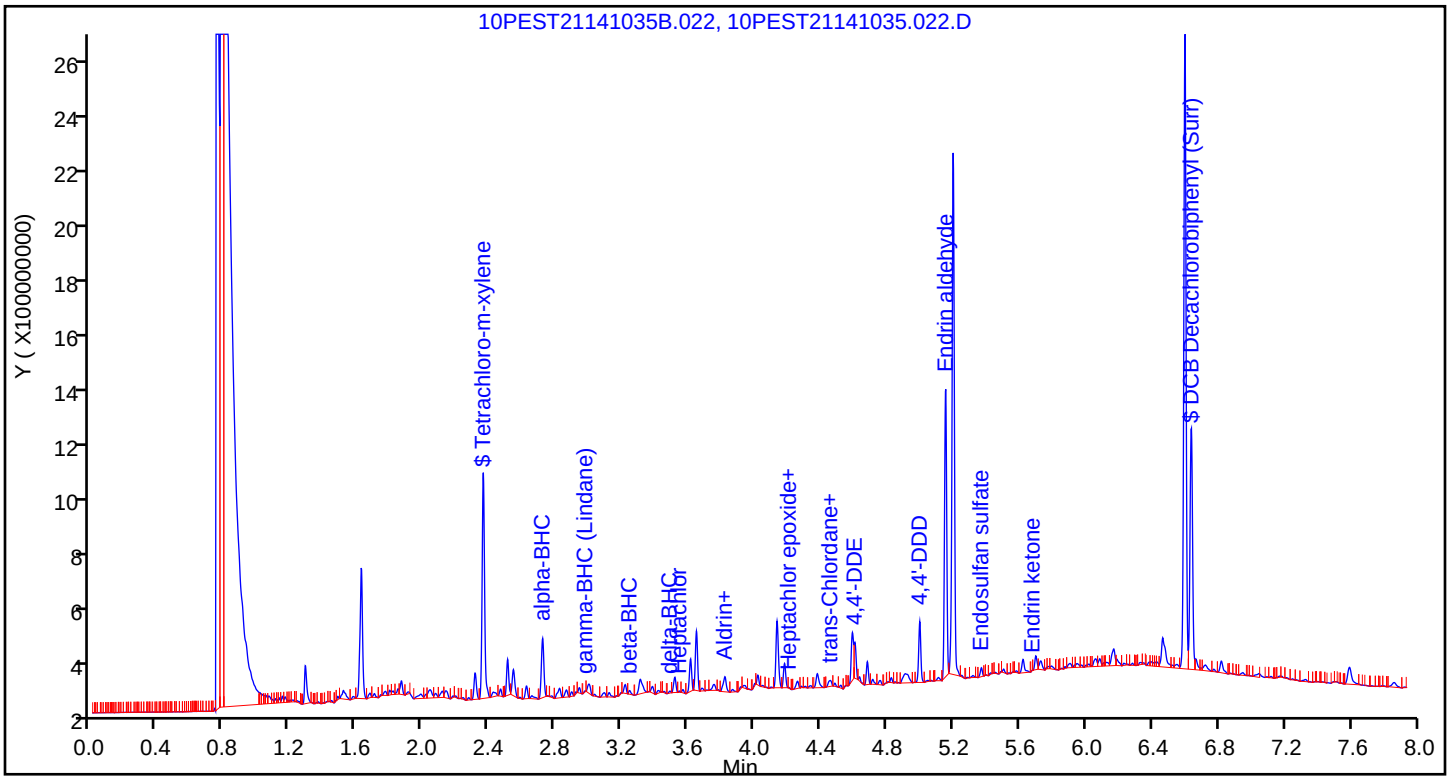
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: FB-UF-20210614 Lab Sample ID: 410-43723-9

Matrix: Water Lab File ID: 10PEST21141035.033.D

Analysis Method: 8081B Date Collected: 06/14/2021 13:25

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 238.5(mL) Date Analyzed: 06/22/2021 12:38

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.021	0.0021
319-84-6	alpha-BHC	ND		0.021	0.0031
5103-71-9	alpha-Chlordane	ND		0.021	0.0031
319-86-8	delta-BHC	ND		0.021	0.0036
60-57-1	Dieldrin	ND		0.031	0.0056
959-98-8	Endosulfan I	ND		0.021	0.0045
33213-65-9	Endosulfan II	ND		0.042	0.016
1031-07-8	Endosulfan sulfate	ND		0.031	0.0061
72-20-8	Endrin	ND		0.031	0.0085
53494-70-5	Endrin ketone	ND		0.031	0.0052
58-89-9	gamma-BHC (Lindane)	ND		0.021	0.0021
5103-74-2	gamma-Chlordane	ND		0.042	0.0073
76-44-8	Heptachlor	ND		0.021	0.0021
1024-57-3	Heptachlor epoxide	ND		0.021	0.0024
72-43-5	Methoxychlor	ND		0.12	0.031
8001-35-2	Toxaphene	ND		1.0	0.31
72-54-8	p,p'-DDD	ND		0.031	0.0052
72-55-9	p,p'-DDE	ND		0.031	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	56		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	55		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.033.D
Lims ID: 410-43723-A-9-A
Client ID: FB-UF-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 12:38:00 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-9-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.822	1.825	-0.003	1378635130	H 8.34	
2	2.368	2.368	0.000	830325517	H 8.28	
					RPD = 0.62	
3 alpha-BHC						
1	2.235	2.232	0.003	4019426	H 0.0163	
2	2.705	2.702	0.003	886902	H 0.006225	
					RPD = 89.38	
4 gamma-BHC (Lindane)						
1	2.530	2.520	0.010	7273501	H 0.0338	
2	2.987	2.990	-0.003	1606697	H 0.0131	
					RPD = 88.39	
6 beta-BHC						
1	2.722	2.722	0.000	22460235	H 0.2259	
2	3.232	3.237	-0.005	3884359	H 0.0662	
					RPD = 109.30	
7 Heptachlor						
1	2.813	2.820	-0.007	8298142	H 0.0488	
2	3.548	3.543	0.005	3575499	H 0.0302	
					RPD = 47.02	
8 delta-BHC						
1	2.970	2.973	-0.003	642893	H 0.003063	
2	3.467	3.477	-0.010	4625765	H 0.0357	
					RPD = 168.40	
9 Aldrin						
1	3.100	3.100	0.000	427991	H 0.002427	
2	3.823	3.828	-0.005	601125	H 0.005131	
					RPD = 71.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.583	3.592	-0.009	336166H	0.002027	
2	4.193	4.197	-0.004	1068328H	0.009812	
					RPD = 131.53	
12 trans-Chlordane						
1	3.793	3.793	0.000	5943634H	0.0355	
2	4.455	4.453	0.002	171938H	0.001488	
					RPD = 183.90	
14 cis-Chlordane						7
1	3.867	3.875	-0.008	626985H	0.003649	
2	4.480	4.492	-0.012	683143H	0.006034	
					RPD = 49.26	
LOD = 0.1159						
15 Endosulfan I						7
1	3.923	3.918	0.005	653508H	0.004034	
2	4.507	4.520	-0.013	3485667H	0.0332	
					RPD = 156.66	
LOD = 0.1013						
16 4,4'-DDE						7
1	4.062	4.058	0.004	8453260H	0.0484	
2	4.603	4.615	-0.012	690558H	0.005953	
					RPD = 156.18	
LOD = 0.2046						
17 Dieldrin						7
1	4.145	4.155	-0.010	5909742H	0.0337	
2	4.723	4.720	0.003	586800H	0.005198	
					RPD = 146.55	
LOD = 0.2161						
19 Endrin						
1		4.405			ND	
2		4.893				
22 4,4'-DDD						7
1	4.522	4.518	0.004	8479875H	0.0620	
2	4.997	5.005	-0.008	5562097H	0.0593	
					RPD = 4.47	
LOD = 0.1943						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.618	4.617	0.001	24608679H	0.1550	
2	5.105	5.090	0.015	6113622H	0.0624	
					RPD = 85.27	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.720	4.728	-0.008	41422583H	0.3156	
2	5.230	5.228	0.002	4330546H	0.0498	
					RPD = 145.45	
LOD = 0.2113						
25 Endrin aldehyde						
1	4.813	4.792	0.021	516832788H	3.80	
2	5.160	5.170	-0.010	46171717H	0.5511	
					RPD = 149.34	
26 Endosulfan sulfate						
1	4.945	4.943	0.002	357641H	0.002232	
2	5.370	5.377	-0.007	4749640H	0.0480	
					RPD = 182.23	
28 Methoxychlor						7
1	5.243	5.235	0.008	2643791H	0.0396	
2	5.557	5.542	0.015	10917317H	0.2384	
					RPD = 143.00	
LOD = 1.24						
29 Endrin ketone						
1	5.390	5.375	0.015	2391524H	0.0143	
2	5.653	5.672	-0.019	10501907H	0.1001	
					RPD = 149.91	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.132	6.137	-0.005	1448952127H	8.36	
2	6.643	6.645	-0.002	735878241H	8.50	
					RPD = 1.62	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

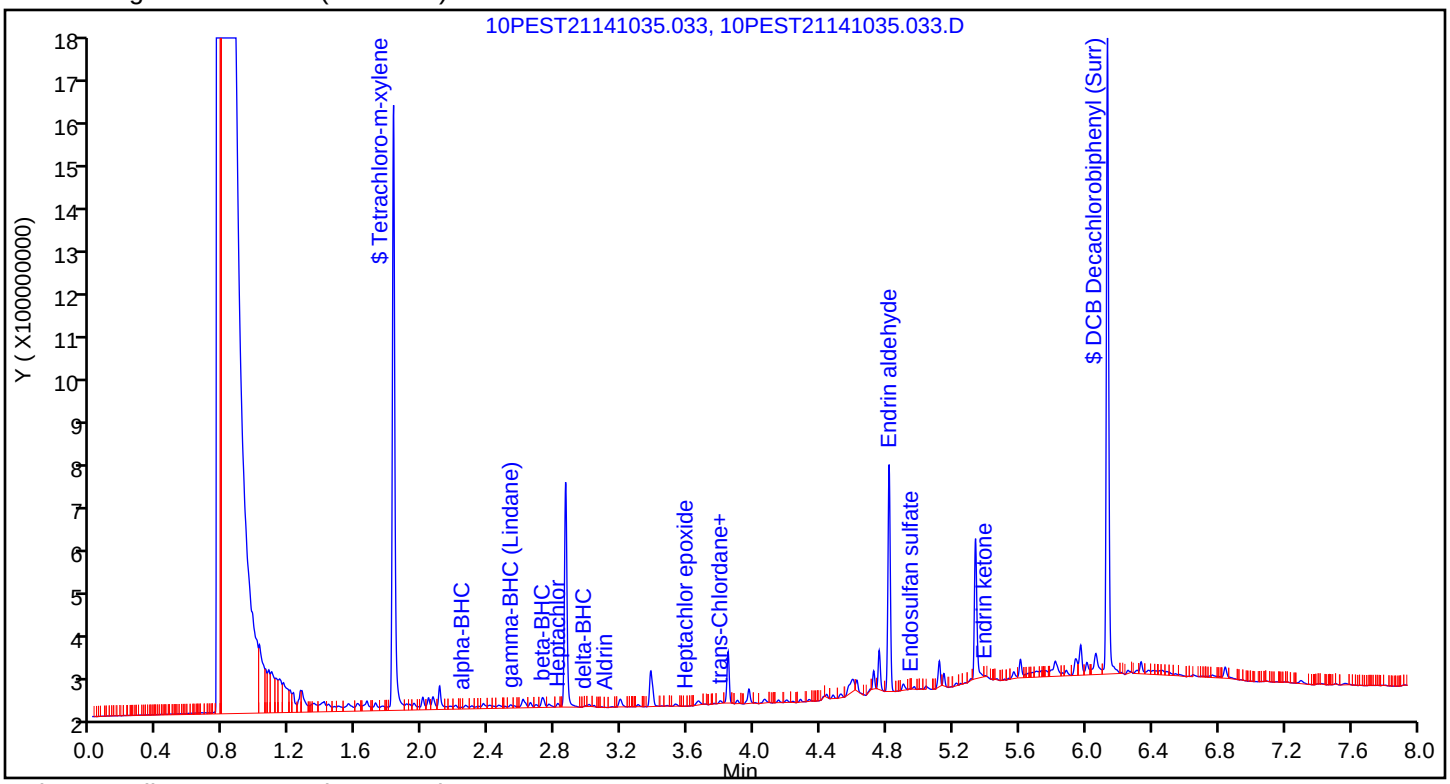
Report Date: 22-Jun-2021 15:52:00 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

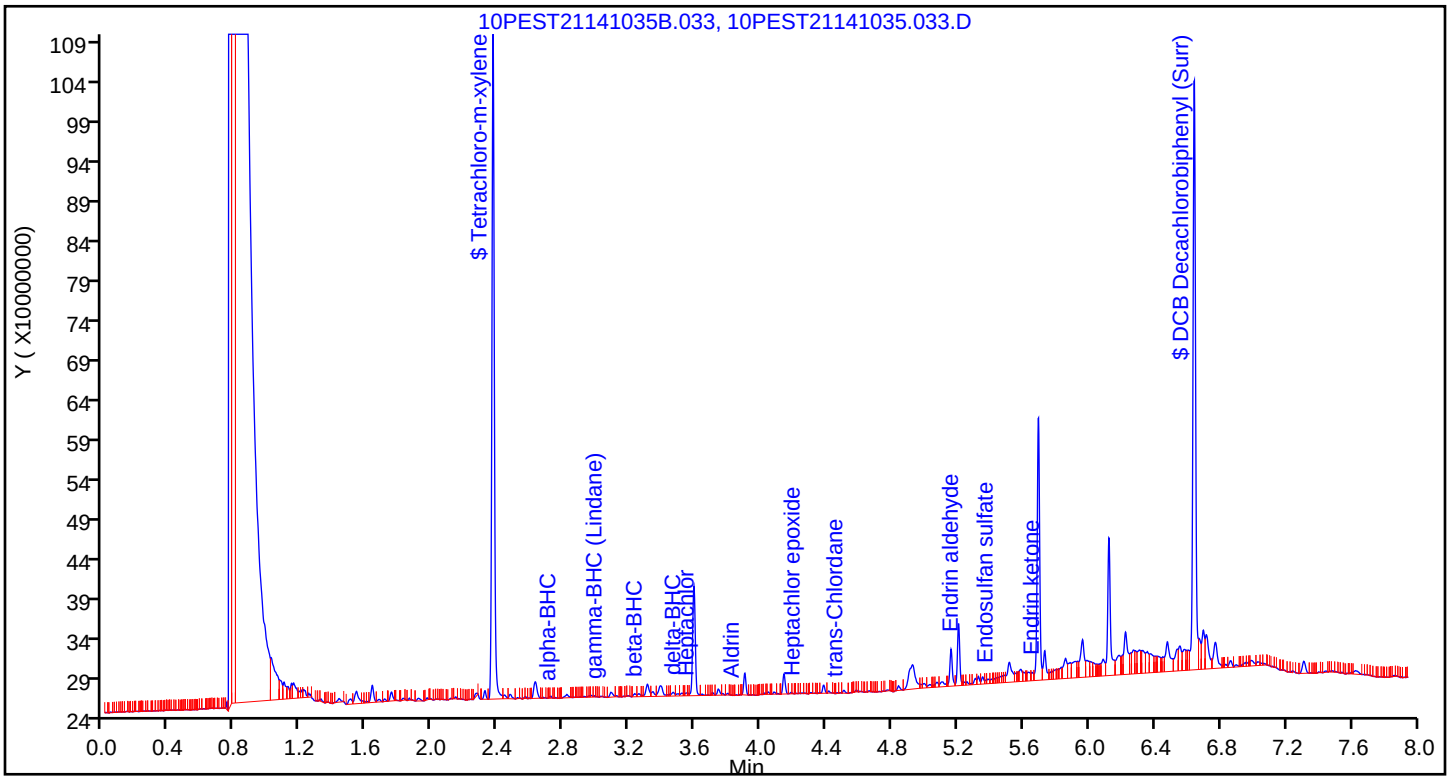
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.033.D

Injection Date:	22-Jun-2021 12:38:00	Instrument ID:	9191		
Lims ID:	410-43723-A-9-A	Lab Sample ID:	410-43723-9		
Client ID:	FB-UF-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: FB-UF-20210614 Lab Sample ID: 410-43723-9

Matrix: Water Lab File ID: 10PEST21141035.033.D

Analysis Method: 8081B Date Collected: 06/14/2021 13:25

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 238.5(mL) Date Analyzed: 06/22/2021 12:38

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-85-7	beta-BHC	ND		0.021	0.0036
7421-93-4	Endrin aldehyde	ND		0.10	0.021
50-29-3	p,p'-DDT	ND		0.031	0.0055

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	57		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	55		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.033.D
Lims ID: 410-43723-A-9-A
Client ID: FB-UF-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 12:38:00 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-9-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.822	1.825	-0.003	1378635130	H 8.34	
2	2.368	2.368	0.000	830325517	H 8.28	
					RPD = 0.62	
3 alpha-BHC						
1	2.235	2.232	0.003	4019426	H 0.0163	
2	2.705	2.702	0.003	886902	H 0.006225	
					RPD = 89.38	
4 gamma-BHC (Lindane)						
1	2.530	2.520	0.010	7273501	H 0.0338	
2	2.987	2.990	-0.003	1606697	H 0.0131	
					RPD = 88.39	
6 beta-BHC						
1	2.722	2.722	0.000	22460235	H 0.2259	
2	3.232	3.237	-0.005	3884359	H 0.0662	
					RPD = 109.30	
7 Heptachlor						
1	2.813	2.820	-0.007	8298142	H 0.0488	
2	3.548	3.543	0.005	3575499	H 0.0302	
					RPD = 47.02	
8 delta-BHC						
1	2.970	2.973	-0.003	642893	H 0.003063	
2	3.467	3.477	-0.010	4625765	H 0.0357	
					RPD = 168.40	
9 Aldrin						
1	3.100	3.100	0.000	427991	H 0.002427	
2	3.823	3.828	-0.005	601125	H 0.005131	
					RPD = 71.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.583	3.592	-0.009	336166H	0.002027	
2	4.193	4.197	-0.004	1068328H	0.009812	
					RPD = 131.53	
12 trans-Chlordane						
1	3.793	3.793	0.000	5943634H	0.0355	
2	4.455	4.453	0.002	171938H	0.001488	
					RPD = 183.90	
14 cis-Chlordane						7
1	3.867	3.875	-0.008	626985H	0.003649	
2	4.480	4.492	-0.012	683143H	0.006034	
					RPD = 49.26	
LOD = 0.1159						
15 Endosulfan I						7
1	3.923	3.918	0.005	653508H	0.004034	
2	4.507	4.520	-0.013	3485667H	0.0332	
					RPD = 156.66	
LOD = 0.1013						
16 4,4'-DDE						7
1	4.062	4.058	0.004	8453260H	0.0484	
2	4.603	4.615	-0.012	690558H	0.005953	
					RPD = 156.18	
LOD = 0.2046						
17 Dieldrin						7
1	4.145	4.155	-0.010	5909742H	0.0337	
2	4.723	4.720	0.003	586800H	0.005198	
					RPD = 146.55	
LOD = 0.2161						
19 Endrin						
1		4.405			ND	
2		4.893				
22 4,4'-DDD						7
1	4.522	4.518	0.004	8479875H	0.0620	
2	4.997	5.005	-0.008	5562097H	0.0593	
					RPD = 4.47	
LOD = 0.1943						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.618	4.617	0.001	24608679H	0.1550	
2	5.105	5.090	0.015	6113622H	0.0624	
					RPD = 85.27	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.720	4.728	-0.008	41422583H	0.3156	
2	5.230	5.228	0.002	4330546H	0.0498	
					RPD = 145.45	
LOD = 0.2113						
25 Endrin aldehyde						
1	4.813	4.792	0.021	516832788H	3.80	
2	5.160	5.170	-0.010	46171717H	0.5511	
					RPD = 149.34	
26 Endosulfan sulfate						
1	4.945	4.943	0.002	357641H	0.002232	
2	5.370	5.377	-0.007	4749640H	0.0480	
					RPD = 182.23	
28 Methoxychlor						7
1	5.243	5.235	0.008	2643791H	0.0396	
2	5.557	5.542	0.015	10917317H	0.2384	
					RPD = 143.00	
LOD = 1.24						
29 Endrin ketone						
1	5.390	5.375	0.015	2391524H	0.0143	
2	5.653	5.672	-0.019	10501907H	0.1001	
					RPD = 149.91	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.132	6.137	-0.005	1448952127H	8.36	
2	6.643	6.645	-0.002	735878241H	8.50	
					RPD = 1.62	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

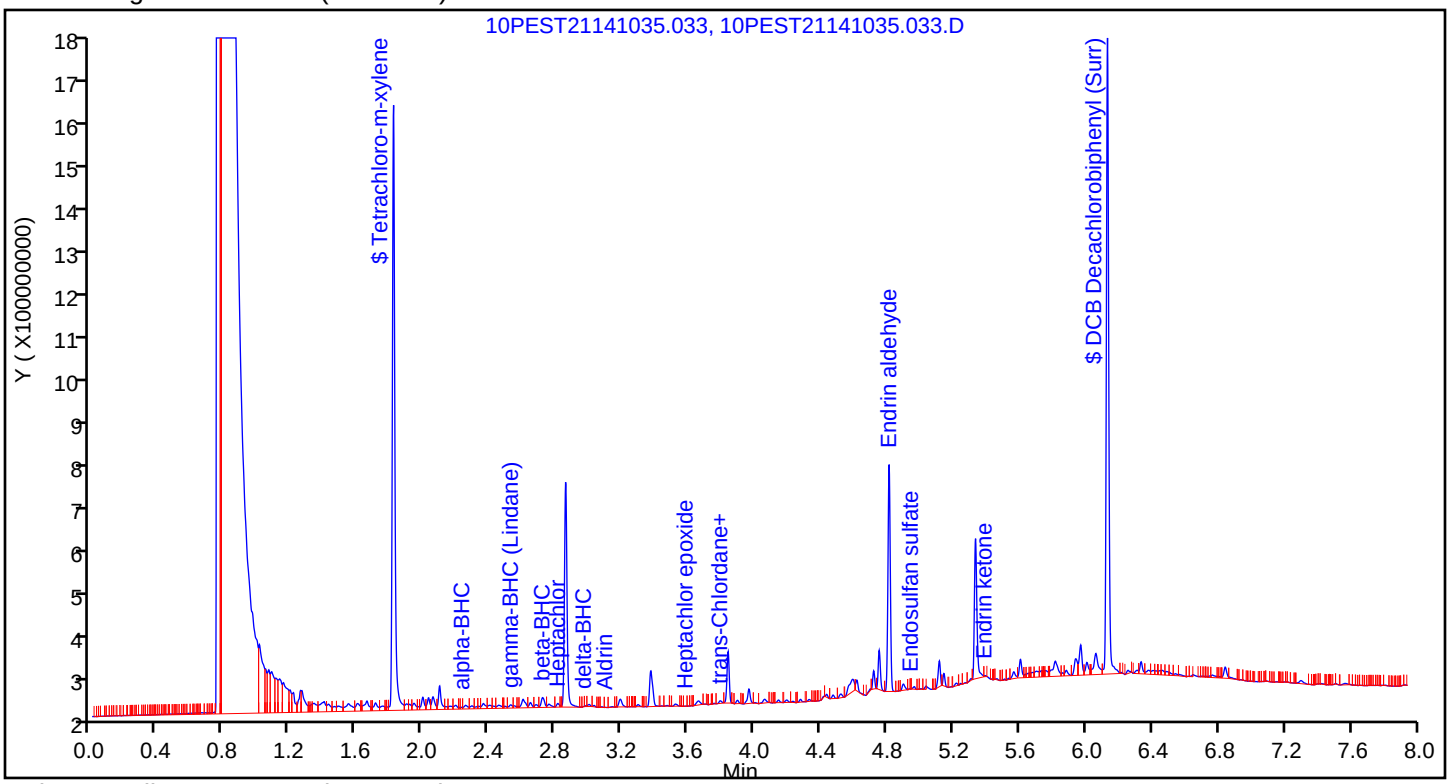
Report Date: 22-Jun-2021 15:52:01 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

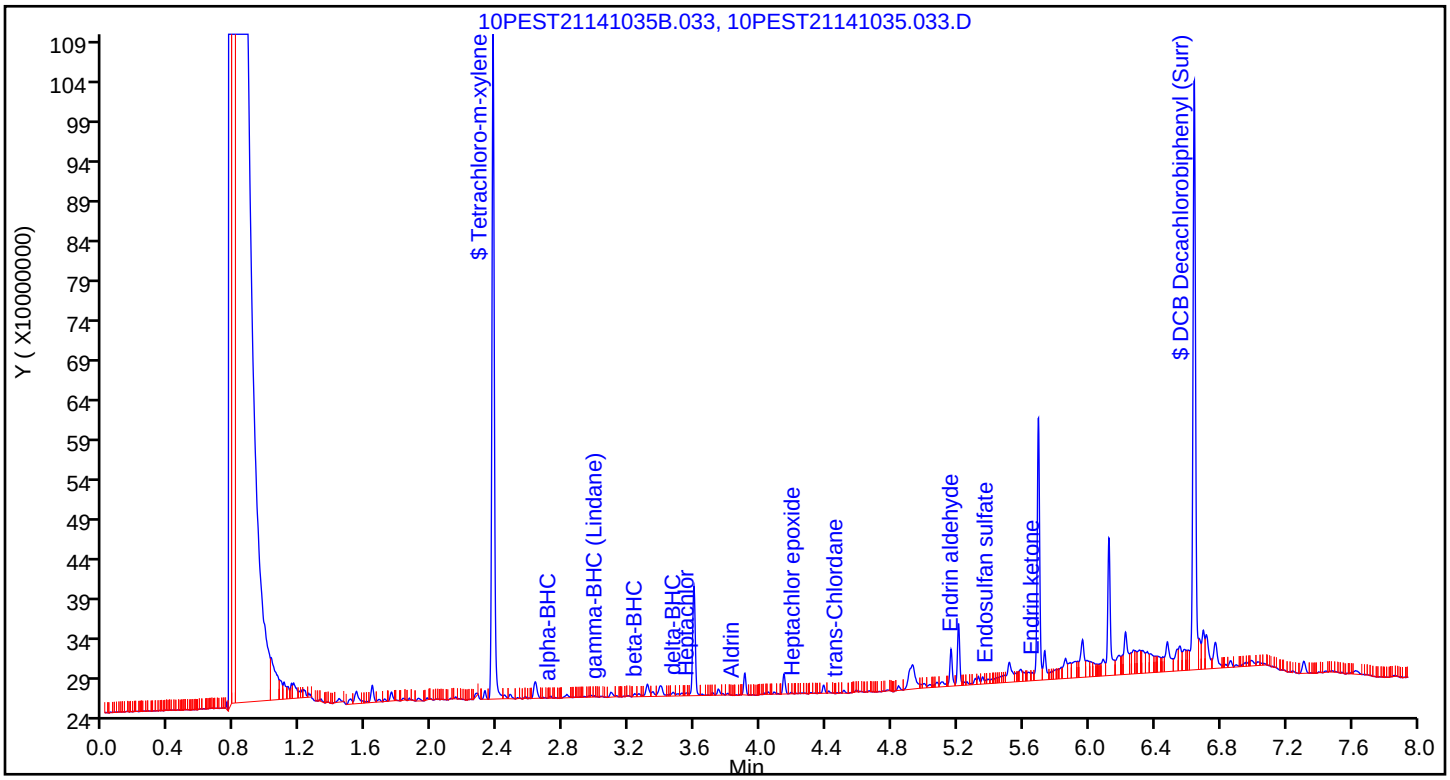
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.033.D

Injection Date:	22-Jun-2021 12:38:00	Instrument ID:	9191		
Lims ID:	410-43723-A-9-A	Lab Sample ID:	410-43723-9		
Client ID:	FB-UF-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: FB-F-20210614 Lab Sample ID: 410-43723-10

Matrix: Water (Dissolved) Lab File ID: 10PEST21141035.023.D

Analysis Method: 8081B Date Collected: 06/14/2021 13:28

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 229.7(mL) Date Analyzed: 06/22/2021 10:36

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.022	0.0022
319-84-6	alpha-BHC	ND		0.022	0.0033
5103-71-9	alpha-Chlordane	ND		0.022	0.0033
319-85-7	beta-BHC	ND		0.022	0.0037
319-86-8	delta-BHC	ND		0.022	0.0037
60-57-1	Dieldrin	ND		0.033	0.0058
959-98-8	Endosulfan I	ND		0.022	0.0047
33213-65-9	Endosulfan II	ND		0.044	0.016
1031-07-8	Endosulfan sulfate	ND		0.033	0.0063
72-20-8	Endrin	ND		0.033	0.0088
7421-93-4	Endrin aldehyde	ND		0.11	0.022
53494-70-5	Endrin ketone	ND		0.033	0.0054
58-89-9	gamma-BHC (Lindane)	ND		0.022	0.0022
5103-74-2	gamma-Chlordane	ND		0.044	0.0076
1024-57-3	Heptachlor epoxide	ND		0.022	0.0025
72-43-5	Methoxychlor	ND		0.12	0.033
8001-35-2	Toxaphene	ND		1.1	0.33
72-54-8	p,p'-DDD	ND		0.033	0.0054
72-55-9	p,p'-DDE	ND		0.033	0.0054

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	31	S1-	32-149
877-09-8	Tetrachloro-m-xylene (Surr)	57		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.023.D
Lims ID: 410-43723-A-10-C
Client ID: FB-F-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 10:36:00 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-10-C
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:48:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.822	1.825	-0.003	1412398346	H 8.54	
2	2.370	2.368	0.002	870188028	H 8.68	
					RPD = 1.65	
3 alpha-BHC						
1	2.228	2.232	-0.004	1150664	H 0.004662	
2	2.702	2.702	0.000	2091354	H 0.0147	
					RPD = 103.58	
4 gamma-BHC (Lindane)						
1	2.513	2.520	-0.007	335812	H 0.001562	
2	2.995	2.990	0.005	5629965	H 0.0459	
					RPD = 186.83	
6 beta-BHC						
1	2.722	2.722	0.000	15865072	H 0.1596	
2	3.230	3.237	-0.007	33827581	H 0.5769	
					RPD = 113.33	
7 Heptachlor						
1	2.815	2.820	-0.005	31029699	H 0.1824	
2	3.542	3.543	-0.001	4375884	H 0.0370	
					RPD = 132.59	
8 delta-BHC						
1	2.957	2.973	-0.016	164233	H 0.000783	
2	3.467	3.477	-0.010	10842282	H 0.0837	
					RPD = 196.30	
9 Aldrin						
1	3.092	3.100	-0.008	498837	H 0.002829	
2	3.832	3.828	0.004	553969	H 0.004728	
					RPD = 50.27	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.580	3.592	-0.012	782558H	0.004718	
2	4.205	4.197	0.008	279008H	0.002562	
					RPD = 59.21	
12 trans-Chlordane						
1	3.793	3.793	0.000	12270711H	0.0732	
2	4.460	4.453	0.007	362922H	0.003141	
					RPD = 183.55	
14 cis-Chlordane						7
1	3.878	3.875	0.003	1120816H	0.006523	
2	4.493	4.492	0.001	1246633H	0.0110	
					RPD = 51.19	
LOD = 0.1159						
15 Endosulfan I						7
1	3.918	3.918	0.000	385805H	0.002382	
2	4.513	4.520	-0.007	865386H	0.008242	
					RPD = 110.33	
LOD = 0.1013						
16 4,4'-DDE						7
1	4.062	4.058	0.004	4842311H	0.0277	
2	4.625	4.615	0.010	749469H	0.006461	
					RPD = 124.39	
LOD = 0.2046						
17 Dieldrin						7
1	4.160	4.155	0.005	1168289H	0.006662	
2	4.710	4.720	-0.010	378663H	0.003354	
					RPD = 66.05	
LOD = 0.2161						
19 Endrin						7
1	4.420	4.405	0.015	5070132H	0.0312	
2	4.873	4.893	-0.020	112198H	0.001059	
					RPD = 186.86	
LOD = 0.1389						
22 4,4'-DDD						7
1	4.527	4.518	0.009	17714827H	0.1296	
2	5.008	5.005	0.003	832826H	0.008880	
					RPD = 174.34	
LOD = 0.1943						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.595	4.617	-0.022	42402282H	0.2672	
2	5.093	5.090	0.003	404953H	0.004131	
					RPD = 193.91	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.720	4.728	-0.008	54884262H	0.4182	
2	5.237	5.228	0.009	1573833H	0.0181	
					RPD = 183.39	
LOD = 0.2113						
25 Endrin aldehyde						7
1	4.820	4.792	0.028	179445H	0.001319	
2	5.160	5.170	-0.010	40857023H	0.4876	
					RPD = 198.92	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.953	4.943	0.010	283013H	0.001766	
2	5.373	5.377	-0.004	734299H	0.007422	
					RPD = 123.11	
28 Methoxychlor						7
1	5.245	5.235	0.010	2783739H	0.0417	
2	5.543	5.542	0.001	780570H	0.0170	
					RPD = 83.96	
LOD = 1.24						
29 Endrin ketone						
1	5.383	5.375	0.008	2614884H	0.0157	
2	5.670	5.672	-0.002	325712H	0.003105	
					RPD = 133.85	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.132	6.137	-0.005	803796695H	4.64	
2	6.643	6.645	-0.002	411038134H	4.75	
					RPD = 2.31	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

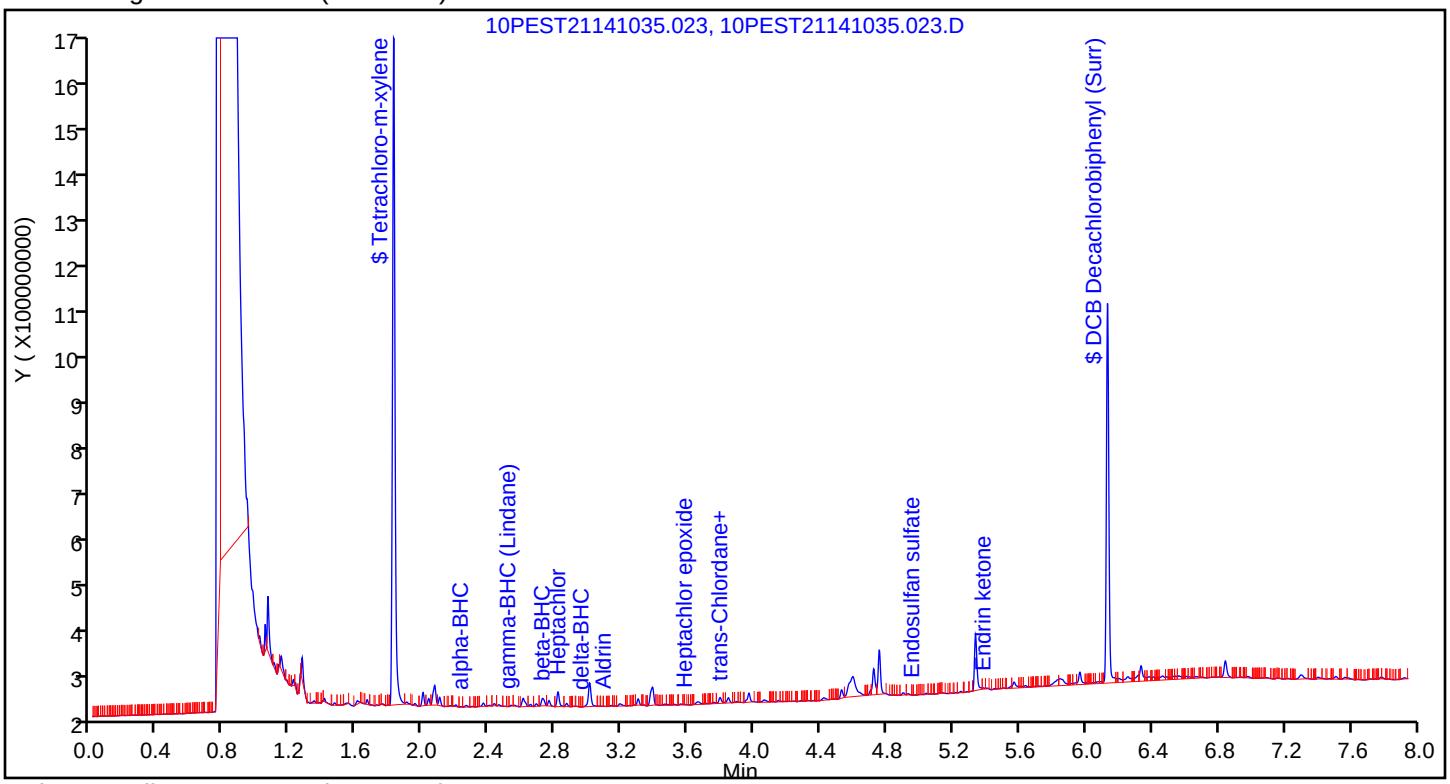
Report Date: 22-Jun-2021 15:51:42 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

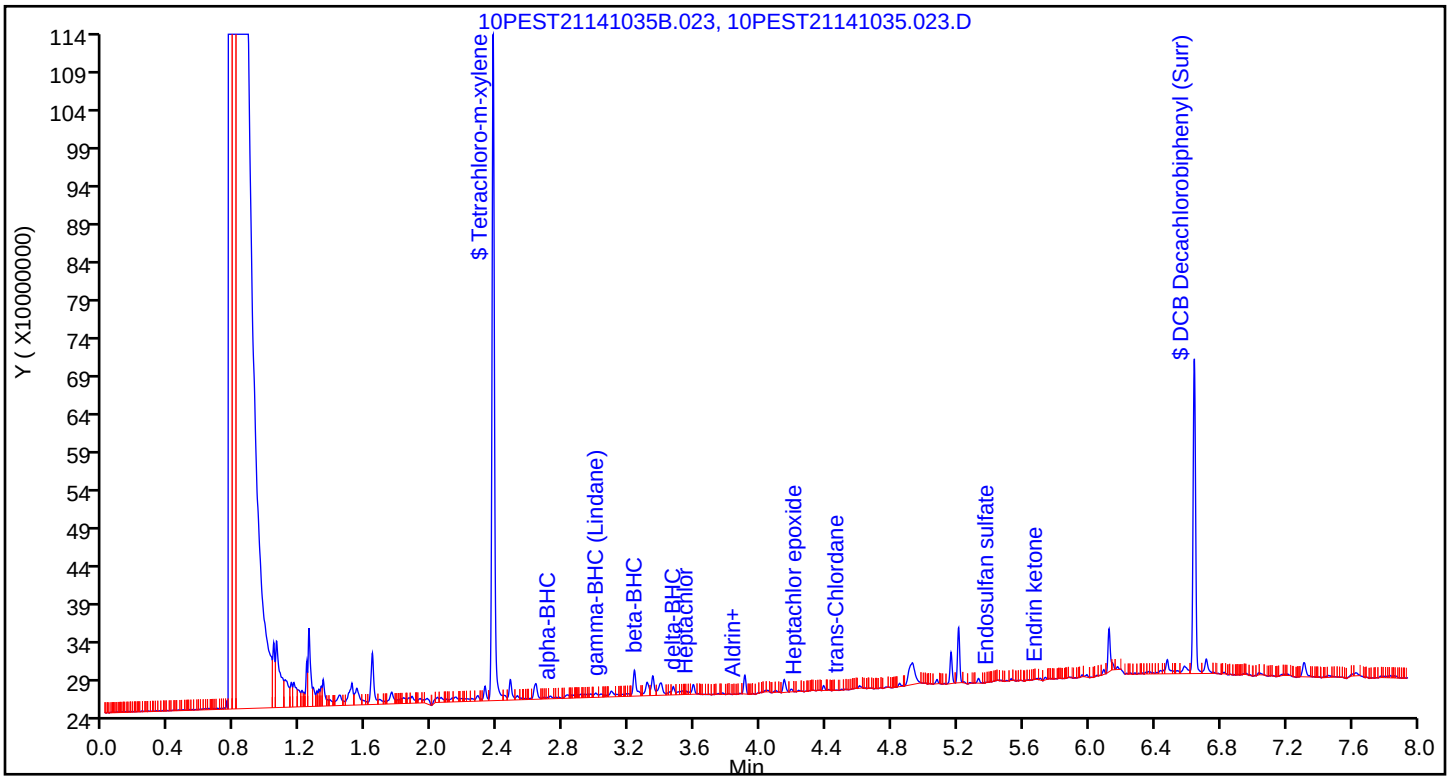
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.023.D

Injection Date:	22-Jun-2021 10:36:00	Instrument ID:	9191		
Lims ID:	410-43723-A-10-C	Lab Sample ID:	410-43723-10		
Client ID:	FB-F-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: FB-F-20210614 Lab Sample ID: 410-43723-10

Matrix: Water (Dissolved) Lab File ID: 10PEST21141035.023.D

Analysis Method: 8081B Date Collected: 06/14/2021 13:28

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 229.7(mL) Date Analyzed: 06/22/2021 10:36

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-44-8	Heptachlor	ND		0.022	0.0022
50-29-3	p,p'-DDT	ND		0.033	0.0057

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	32		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	58		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.023.D
Lims ID: 410-43723-A-10-C
Client ID: FB-F-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 10:36:00 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-10-C
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:48:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.822	1.825	-0.003	1412398346	H 8.54	
2	2.370	2.368	0.002	870188028	H 8.68	
					RPD = 1.65	
3 alpha-BHC						
1	2.228	2.232	-0.004	1150664	H 0.004662	
2	2.702	2.702	0.000	2091354	H 0.0147	
					RPD = 103.58	
4 gamma-BHC (Lindane)						
1	2.513	2.520	-0.007	335812	H 0.001562	
2	2.995	2.990	0.005	5629965	H 0.0459	
					RPD = 186.83	
6 beta-BHC						
1	2.722	2.722	0.000	15865072	H 0.1596	
2	3.230	3.237	-0.007	33827581	H 0.5769	
					RPD = 113.33	
7 Heptachlor						
1	2.815	2.820	-0.005	31029699	H 0.1824	
2	3.542	3.543	-0.001	4375884	H 0.0370	
					RPD = 132.59	
8 delta-BHC						
1	2.957	2.973	-0.016	164233	H 0.000783	
2	3.467	3.477	-0.010	10842282	H 0.0837	
					RPD = 196.30	
9 Aldrin						
1	3.092	3.100	-0.008	498837	H 0.002829	
2	3.832	3.828	0.004	553969	H 0.004728	
					RPD = 50.27	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.580	3.592	-0.012	782558H	0.004718	
2	4.205	4.197	0.008	279008H	0.002562	
					RPD = 59.21	
12 trans-Chlordane						
1	3.793	3.793	0.000	12270711H	0.0732	
2	4.460	4.453	0.007	362922H	0.003141	
					RPD = 183.55	
14 cis-Chlordane						7
1	3.878	3.875	0.003	1120816H	0.006523	
2	4.493	4.492	0.001	1246633H	0.0110	
					RPD = 51.19	
LOD = 0.1159						
15 Endosulfan I						7
1	3.918	3.918	0.000	385805H	0.002382	
2	4.513	4.520	-0.007	865386H	0.008242	
					RPD = 110.33	
LOD = 0.1013						
16 4,4'-DDE						7
1	4.062	4.058	0.004	4842311H	0.0277	
2	4.625	4.615	0.010	749469H	0.006461	
					RPD = 124.39	
LOD = 0.2046						
17 Dieldrin						7
1	4.160	4.155	0.005	1168289H	0.006662	
2	4.710	4.720	-0.010	378663H	0.003354	
					RPD = 66.05	
LOD = 0.2161						
19 Endrin						7
1	4.420	4.405	0.015	5070132H	0.0312	
2	4.873	4.893	-0.020	112198H	0.001059	
					RPD = 186.86	
LOD = 0.1389						
22 4,4'-DDD						7
1	4.527	4.518	0.009	17714827H	0.1296	
2	5.008	5.005	0.003	832826H	0.008880	
					RPD = 174.34	
LOD = 0.1943						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.595	4.617	-0.022	42402282H	0.2672	
2	5.093	5.090	0.003	404953H	0.004131	
					RPD = 193.91	
LOD = 0.2854						
24 4,4'-DDT						7
1	4.720	4.728	-0.008	54884262H	0.4182	
2	5.237	5.228	0.009	1573833H	0.0181	
					RPD = 183.39	
LOD = 0.2113						
25 Endrin aldehyde						7
1	4.820	4.792	0.028	179445H	0.001319	
2	5.160	5.170	-0.010	40857023H	0.4876	
					RPD = 198.92	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.953	4.943	0.010	283013H	0.001766	
2	5.373	5.377	-0.004	734299H	0.007422	
					RPD = 123.11	
28 Methoxychlor						7
1	5.245	5.235	0.010	2783739H	0.0417	
2	5.543	5.542	0.001	780570H	0.0170	
					RPD = 83.96	
LOD = 1.24						
29 Endrin ketone						
1	5.383	5.375	0.008	2614884H	0.0157	
2	5.670	5.672	-0.002	325712H	0.003105	
					RPD = 133.85	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.132	6.137	-0.005	803796695H	4.64	
2	6.643	6.645	-0.002	411038134H	4.75	
					RPD = 2.31	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags
U - Marked Undetected

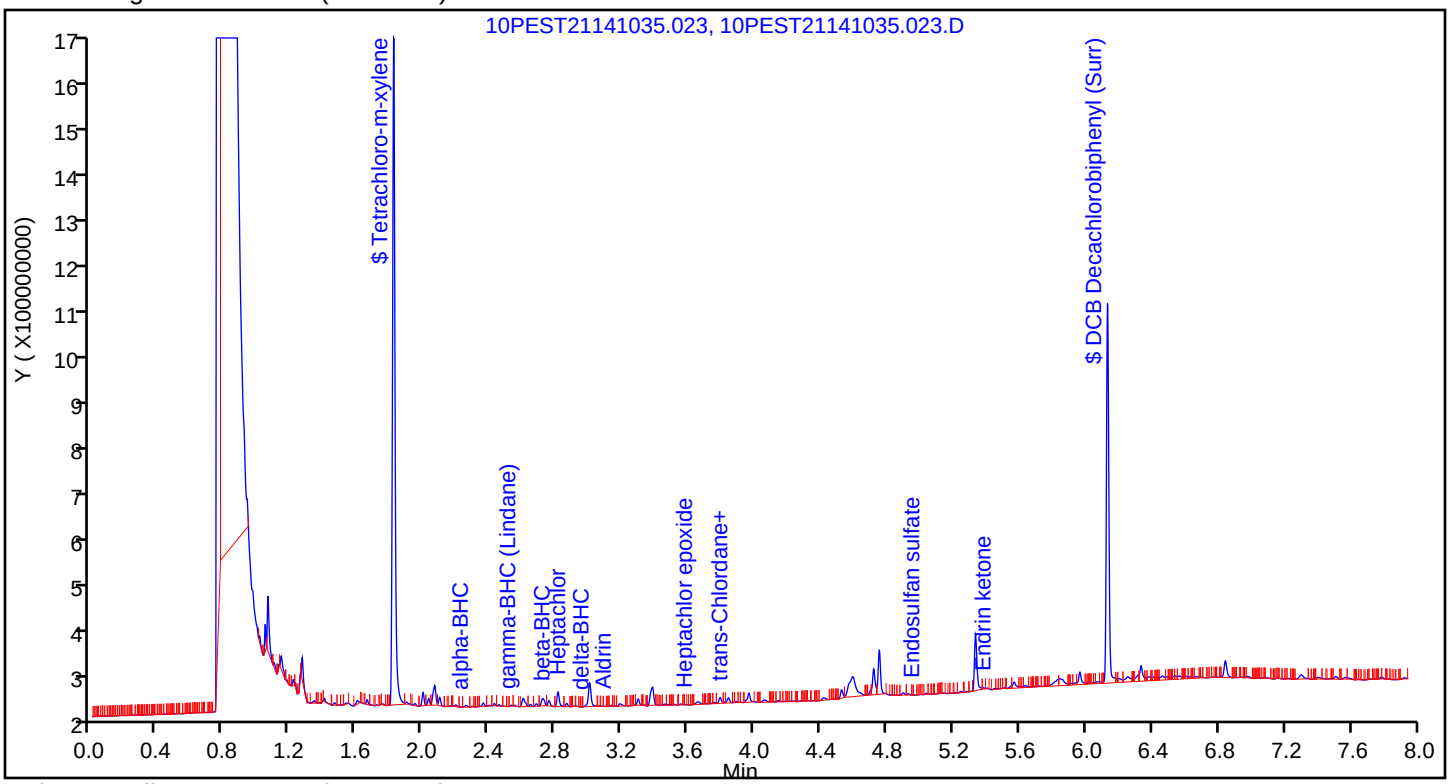
Report Date: 22-Jun-2021 15:51:43 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

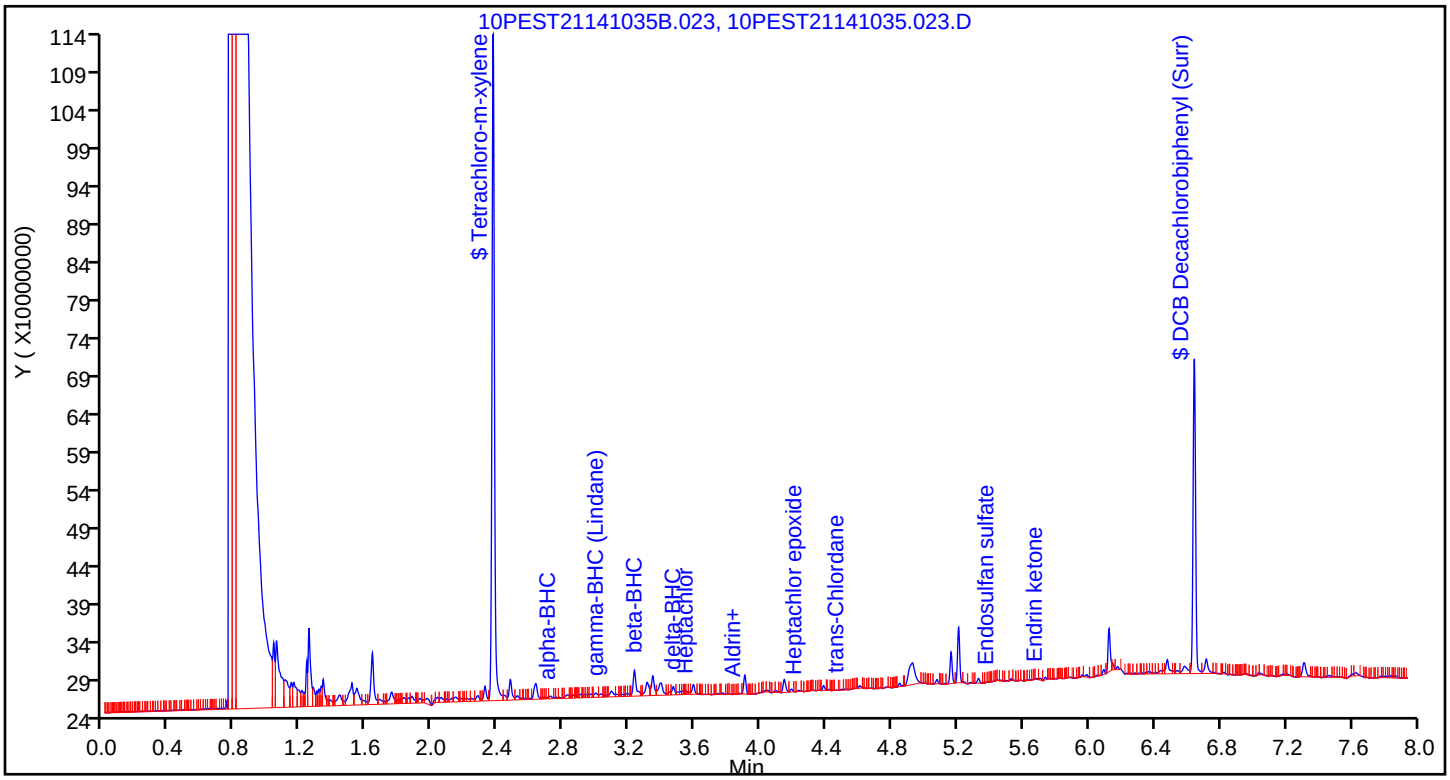
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.023.D

Injection Date:	22-Jun-2021 10:36:00	Instrument ID:	9191		
Lims ID:	410-43723-A-10-C	Lab Sample ID:	410-43723-10		
Client ID:	FB-F-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: DUP-UF-20210614 Lab Sample ID: 410-43723-11

Matrix: Ground Water Lab File ID: 10PEST21141035.034.D

Analysis Method: 8081B Date Collected: 06/14/2021 00:00

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 250.1(mL) Date Analyzed: 06/22/2021 12:50

Con. Extract Vol.: 5(mL) Dilution Factor: 5

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.10	0.010
319-86-8	delta-BHC	ND		0.10	0.017
959-98-8	Endosulfan I	ND		0.10	0.021
33213-65-9	Endosulfan II	ND		0.20	0.075
72-20-8	Endrin	ND		0.15	0.040
7421-93-4	Endrin aldehyde	ND		0.50	0.10
53494-70-5	Endrin ketone	ND		0.15	0.025
58-89-9	gamma-BHC (Lindane)	0.014	J	0.10	0.010
5103-74-2	gamma-Chlordane	ND		0.20	0.035
76-44-8	Heptachlor	ND		0.10	0.010
72-43-5	Methoxychlor	ND		0.55	0.15
8001-35-2	Toxaphene	ND		5.0	1.5
72-55-9	p,p'-DDE	ND		0.15	0.025

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	100		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	73		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.034.D
Lims ID: 410-43723-A-11-A
Client ID: DUP-UF-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 12:50:00 ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-43723-A-11-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.820	1.825	-0.005	362138667	2.19	H
2	2.363	2.368	-0.005	198739236	1.98	H
					RPD = 9.91	
3 alpha-BHC						
1	2.230	2.232	-0.002	715363465	2.90	H
2	2.713	2.702	0.011	41836360	0.2936	H
					RPD = 163.20	
4 gamma-BHC (Lindane)						
1	2.512	2.520	-0.008	29538153	0.1374	H
2	2.983	2.990	-0.007	15592700	0.1271	H
					RPD = 7.81	
6 beta-BHC						
1	2.697	2.722	-0.025	54596237	0.5492	H
2	3.232	3.237	-0.005	2447940	0.0417	H
					RPD = 171.74	
7 Heptachlor						
1	2.813	2.820	-0.007	1040017	0.006113	H
2	3.537	3.543	-0.006	5871523	0.0496	H
					RPD = 156.12	
8 delta-BHC						
1	2.975	2.973	0.002	5572177	0.0265	H
2	3.470	3.477	-0.007	262107	0.002023	H
					RPD = 171.67	
9 Aldrin						
1	3.095	3.100	-0.005	1568193	0.008893	H
2	3.837	3.828	0.009	14667764	0.1252	H
					RPD = 173.47	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.600	3.592	0.008	50965247H	0.3072	
2	4.190	4.197	-0.007	9061187H	0.0832	
					RPD = 114.75	
12 trans-Chlordane						
1	3.783	3.793	-0.010	31583704H	0.1885	
2	4.448	4.453	-0.005	49039831H	0.4244	
					RPD = 76.97	
14 cis-Chlordane						
1	3.868	3.875	-0.007	39925619H	0.2323	
2	4.485	4.492	-0.007	34855077H	0.3078	
					RPD = 27.95	
15 Endosulfan I						
1	3.932	3.918	0.014	30917352H	0.1909	
2	4.522	4.520	0.002	10743919H	0.1023	
					RPD = 60.39	
16 4,4'-DDE						7
1	4.052	4.058	-0.006	5281391H	0.0302	
2	4.608	4.615	-0.007	2619506H	0.0226	
					RPD = 28.98	
LOD = 0.2046						
17 Dieldrin						
1	4.148	4.155	-0.007	1353495843H	7.72	
2	4.713	4.720	-0.007	878941721H	7.79	
					RPD = 0.87	
19 Endrin						
1	4.398	4.405	-0.007	41389472H	0.2547	
2	4.888	4.893	-0.005	37726479H	0.3562	
					RPD = 33.24	
22 4,4'-DDD						7
1	4.522	4.518	0.004	173253290H	1.27	
2	4.998	5.005	-0.007	12704439H	0.1355	
					RPD = 161.37	
LOD = 0.1943						
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.632	4.617	0.015	29423064H	0.1854	
2	5.112	5.090	0.022	49718057H	0.5071	
					RPD = 92.92	
LOD = 0.2854						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
24 4,4'-DDT						
1	4.720	4.728	-0.008	118644263H	0.9041	
2	5.222	5.228	-0.006	41004859H	0.4719	
					RPD = 62.81	
25 Endrin aldehyde						7
1	4.795	4.792	0.003	2834693H	0.0208	
2	5.178	5.170	0.008	1119139H	0.0134	
					RPD = 43.77	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.932	4.943	-0.011	387441613H	2.42	
2	5.360	5.377	-0.017	261454215H	2.64	
					RPD = 8.88	
28 Methoxychlor						7
1	5.227	5.235	-0.008	3085008H	0.0462	
2	5.533	5.542	-0.009	1946164H	0.0425	
					RPD = 8.40	
LOD = 1.24						
29 Endrin ketone						
1	5.367	5.375	-0.008	29355336H	0.1759	
2	5.665	5.672	-0.007	22979523H	0.2191	
					RPD = 21.85	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.128	6.137	-0.009	518940170H	2.99	
2	6.635	6.645	-0.010	279580849H	3.23	
					RPD = 7.52	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

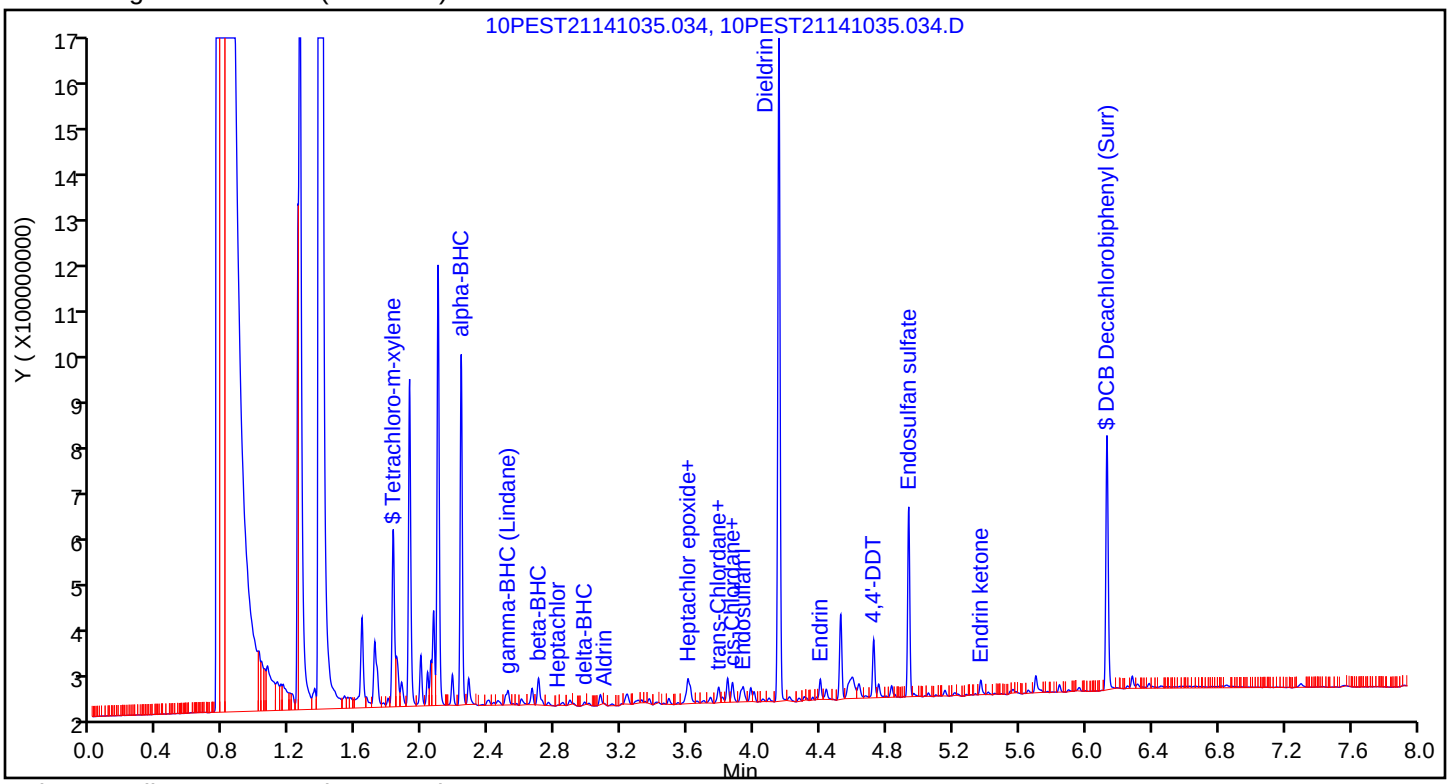
Report Date: 22-Jun-2021 15:52:02 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

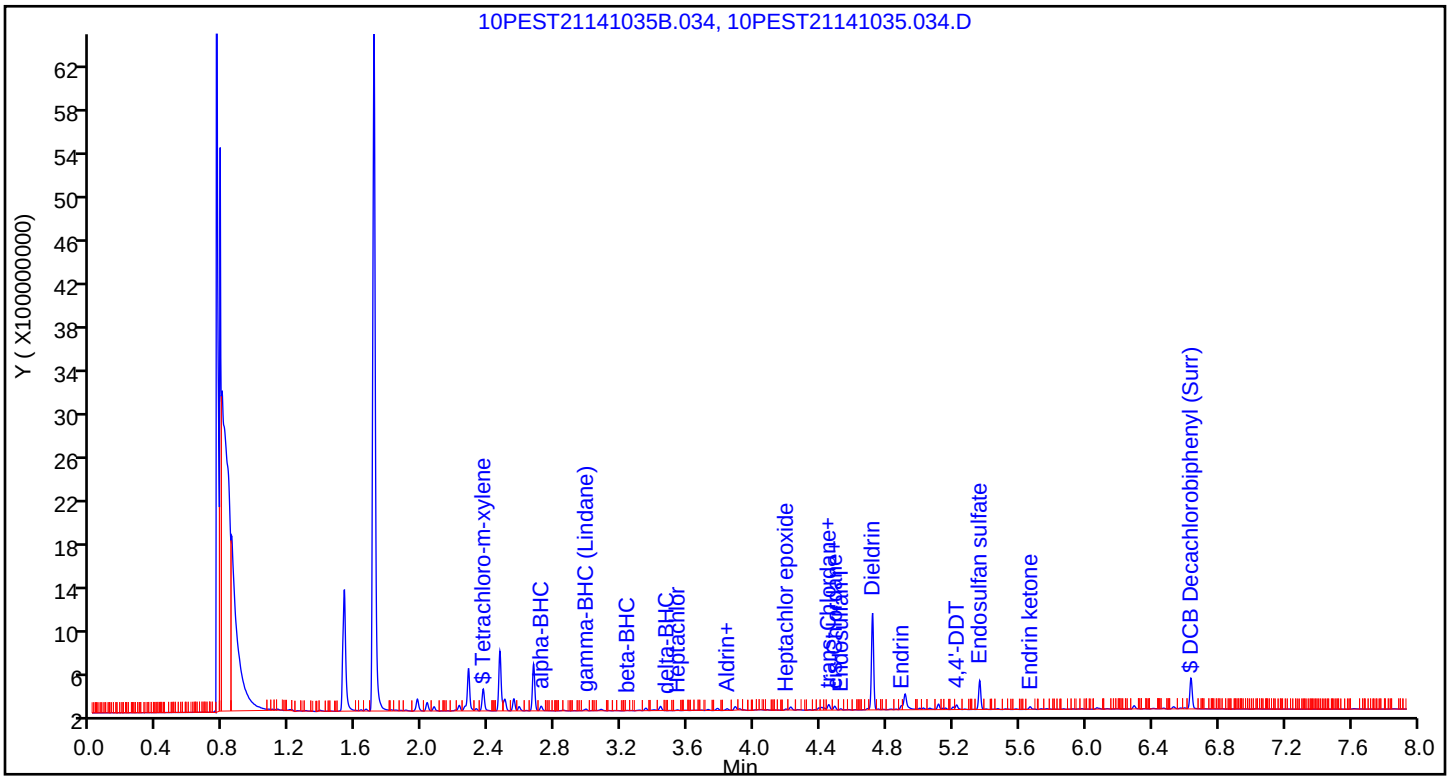
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.034.D

Injection Date:	22-Jun-2021 12:50:00	Instrument ID:	9191		
Lims ID:	410-43723-A-11-A	Lab Sample ID:	410-43723-11		
Client ID:	DUP-UF-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: DUP-UF-20210614 Lab Sample ID: 410-43723-11

Matrix: Ground Water Lab File ID: 10PEST21141035.034.D

Analysis Method: 8081B Date Collected: 06/14/2021 00:00

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 250.1(mL) Date Analyzed: 06/22/2021 12:50

Con. Extract Vol.: 5(mL) Dilution Factor: 5

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.029	J p	0.10	0.015
5103-71-9	alpha-Chlordane	0.031	J	0.10	0.015
319-85-7	beta-BHC	ND		0.10	0.017
60-57-1	Dieldrin	0.78		0.15	0.026
1031-07-8	Endosulfan sulfate	0.26		0.15	0.029
1024-57-3	Heptachlor epoxide	ND		0.10	0.011
72-54-8	p,p'-DDD	ND		0.15	0.025
50-29-3	p,p'-DDT	0.047	J p	0.15	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	108		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	66		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.034.D
Lims ID: 410-43723-A-11-A
Client ID: DUP-UF-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 12:50:00 ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-43723-A-11-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.820	1.825	-0.005	362138667	2.19	H
2	2.363	2.368	-0.005	198739236	1.98	H
					RPD = 9.91	
3 alpha-BHC						
1	2.230	2.232	-0.002	715363465	2.90	H
2	2.713	2.702	0.011	41836360	0.2936	H
					RPD = 163.20	
4 gamma-BHC (Lindane)						
1	2.512	2.520	-0.008	29538153	0.1374	H
2	2.983	2.990	-0.007	15592700	0.1271	H
					RPD = 7.81	
6 beta-BHC						
1	2.697	2.722	-0.025	54596237	0.5492	H
2	3.232	3.237	-0.005	2447940	0.0417	H
					RPD = 171.74	
7 Heptachlor						
1	2.813	2.820	-0.007	1040017	0.006113	H
2	3.537	3.543	-0.006	5871523	0.0496	H
					RPD = 156.12	
8 delta-BHC						
1	2.975	2.973	0.002	5572177	0.0265	H
2	3.470	3.477	-0.007	262107	0.002023	H
					RPD = 171.67	
9 Aldrin						
1	3.095	3.100	-0.005	1568193	0.008893	H
2	3.837	3.828	0.009	14667764	0.1252	H
					RPD = 173.47	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.600	3.592	0.008	50965247H	0.3072	
2	4.190	4.197	-0.007	9061187H	0.0832	
					RPD = 114.75	
12 trans-Chlordane						
1	3.783	3.793	-0.010	31583704H	0.1885	
2	4.448	4.453	-0.005	49039831H	0.4244	
					RPD = 76.97	
14 cis-Chlordane						
1	3.868	3.875	-0.007	39925619H	0.2323	
2	4.485	4.492	-0.007	34855077H	0.3078	
					RPD = 27.95	
15 Endosulfan I						
1	3.932	3.918	0.014	30917352H	0.1909	
2	4.522	4.520	0.002	10743919H	0.1023	
					RPD = 60.39	
16 4,4'-DDE						7
1	4.052	4.058	-0.006	5281391H	0.0302	
2	4.608	4.615	-0.007	2619506H	0.0226	
					RPD = 28.98	
LOD = 0.2046						
17 Dieldrin						
1	4.148	4.155	-0.007	1353495843H	7.72	
2	4.713	4.720	-0.007	878941721H	7.79	
					RPD = 0.87	
19 Endrin						
1	4.398	4.405	-0.007	41389472H	0.2547	
2	4.888	4.893	-0.005	37726479H	0.3562	
					RPD = 33.24	
22 4,4'-DDD						7
1	4.522	4.518	0.004	173253290H	1.27	
2	4.998	5.005	-0.007	12704439H	0.1355	
					RPD = 161.37	
LOD = 0.1943						
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.632	4.617	0.015	29423064H	0.1854	
2	5.112	5.090	0.022	49718057H	0.5071	
					RPD = 92.92	
LOD = 0.2854						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
24 4,4'-DDT						
1	4.720	4.728	-0.008	118644263H	0.9041	
2	5.222	5.228	-0.006	41004859H	0.4719	
					RPD = 62.81	
25 Endrin aldehyde						7
1	4.795	4.792	0.003	2834693H	0.0208	
2	5.178	5.170	0.008	1119139H	0.0134	
					RPD = 43.77	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.932	4.943	-0.011	387441613H	2.42	
2	5.360	5.377	-0.017	261454215H	2.64	
					RPD = 8.88	
28 Methoxychlor						7
1	5.227	5.235	-0.008	3085008H	0.0462	
2	5.533	5.542	-0.009	1946164H	0.0425	
					RPD = 8.40	
LOD = 1.24						
29 Endrin ketone						
1	5.367	5.375	-0.008	29355336H	0.1759	
2	5.665	5.672	-0.007	22979523H	0.2191	
					RPD = 21.85	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.128	6.137	-0.009	518940170H	2.99	
2	6.635	6.645	-0.010	279580849H	3.23	
					RPD = 7.52	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

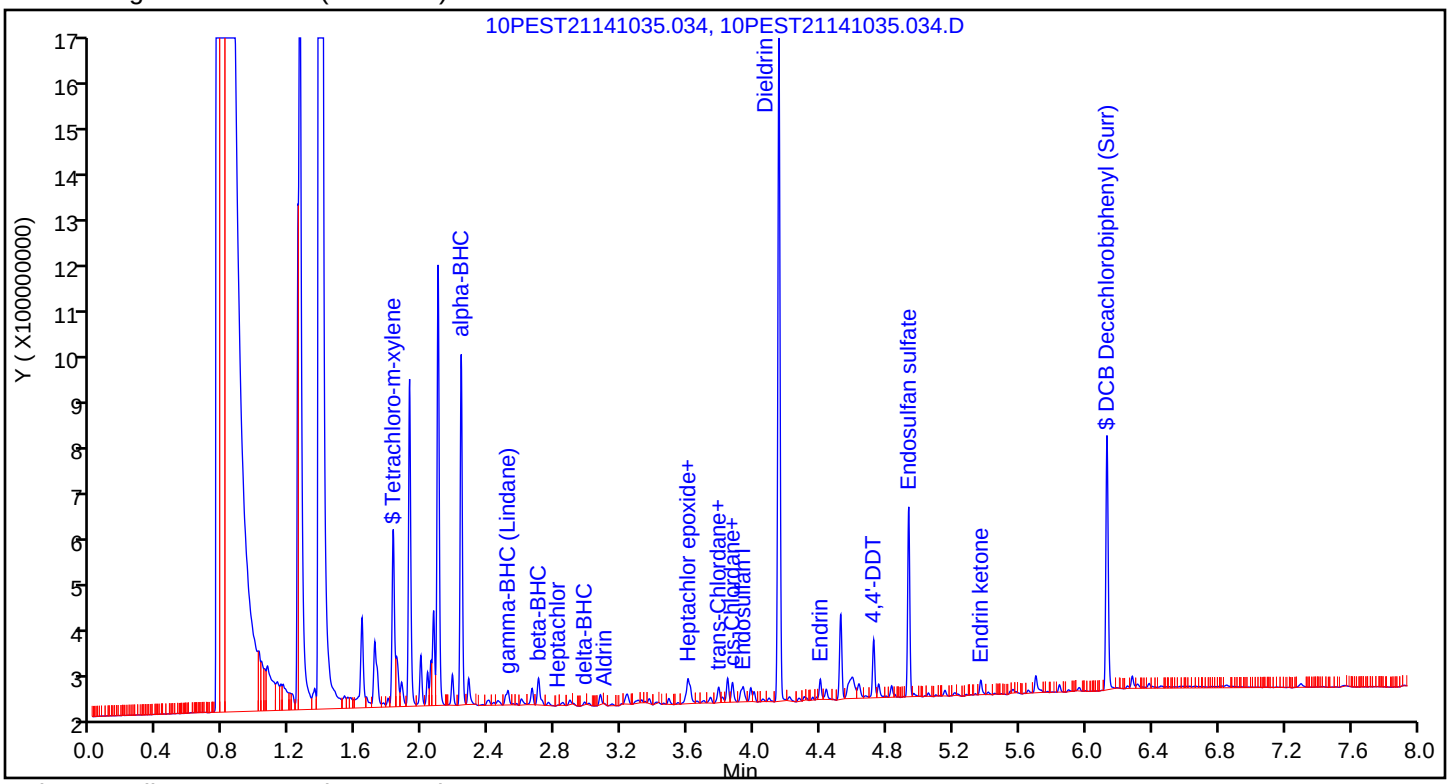
Report Date: 22-Jun-2021 15:52:03 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

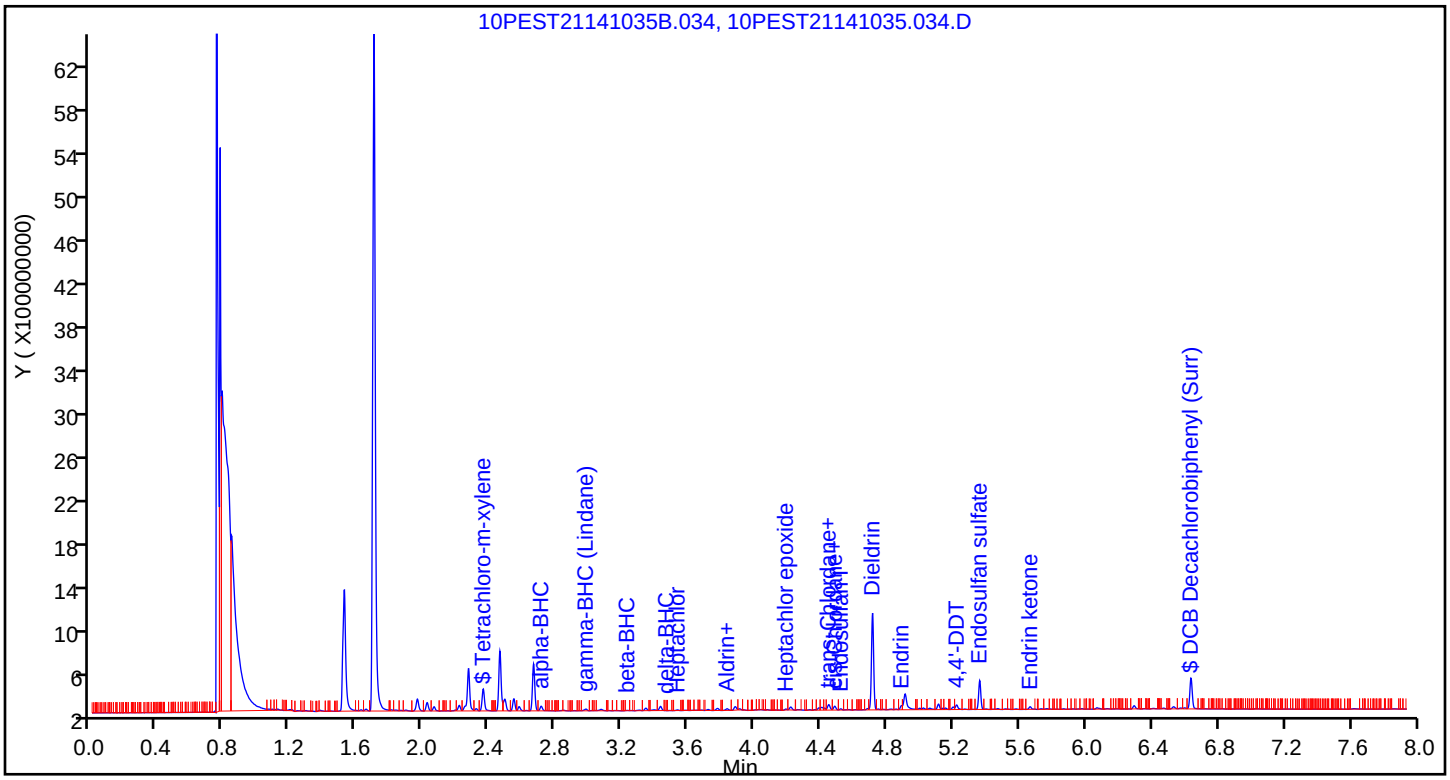
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.034.D

Injection Date:	22-Jun-2021 12:50:00	Instrument ID:	9191		
Lims ID:	410-43723-A-11-A	Lab Sample ID:	410-43723-11		
Client ID:	DUP-UF-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: DUP-F-20210614 Lab Sample ID: 410-43723-12

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.024.D

Analysis Method: 8081B Date Collected: 06/14/2021 00:00

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 250(mL) Date Analyzed: 06/22/2021 10:48

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.020	0.0020
5103-71-9	alpha-Chlordane	ND		0.020	0.0030
319-85-7	beta-BHC	0.0064	J B	0.020	0.0034
60-57-1	Dieldrin	0.014	J	0.030	0.0053
959-98-8	Endosulfan I	ND		0.020	0.0043
33213-65-9	Endosulfan II	ND		0.040	0.015
72-20-8	Endrin	ND		0.030	0.0081
7421-93-4	Endrin aldehyde	ND		0.10	0.020
53494-70-5	Endrin ketone	ND		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	0.0097	J	0.020	0.0020
5103-74-2	gamma-Chlordane	ND		0.040	0.0070
76-44-8	Heptachlor	ND		0.020	0.0020
72-43-5	Methoxychlor	ND		0.11	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	ND		0.030	0.0050
72-55-9	p,p'-DDE	ND		0.030	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	93		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	53		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.024.D
Lims ID: 410-43723-A-12-A
Client ID: DUP-F-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 10:48:00 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-12-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:48:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.822	1.825	-0.003	1333730819	H 8.06	
2	2.368	2.368	0.000	810713205	H 8.09	
					RPD = 0.30	
3 alpha-BHC						
1	2.232	2.232	0.000	2669968875	H 10.8	
2	2.718	2.702	0.016	96648849	H 0.6783	
					RPD = 176.40	
4 gamma-BHC (Lindane)						
1	2.517	2.520	-0.003	103825533	H 0.4829	
2	2.988	2.990	-0.002	49691531	H 0.4050	
					RPD = 17.56	
6 beta-BHC						
1	2.718	2.722	-0.004	31768098	H 0.3195	
2	3.240	3.237	0.003	16468655	H 0.2809	
					RPD = 12.88	
7 Heptachlor						
1	2.813	2.820	-0.007	5054933	H 0.0297	
2	3.553	3.543	0.010	7898675	H 0.0667	
					RPD = 76.77	
8 delta-BHC						
1	2.983	2.973	0.010	63400623	H 0.3021	
2	3.472	3.477	-0.005	437679	H 0.003379	
					RPD = 195.58	
9 Aldrin						
1	3.103	3.100	0.003	1195458	H 0.006779	
2	3.808	3.828	-0.020	209919	H 0.001792	
					RPD = 116.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.600	3.592	0.008	32189911H	0.1941	
2	4.200	4.197	0.003	470156H	0.004318	
					RPD = 191.29	
12 trans-Chlordane						
1	3.790	3.793	-0.003	8753517H	0.0523	
2	4.458	4.453	0.005	39344330H	0.3405	
					RPD = 146.79	
14 cis-Chlordane						7
1	3.880	3.875	0.005	3632616H	0.0211	
2	4.502	4.492	0.010	3720743H	0.0329	
					RPD = 43.41	
LOD = 0.1159						
15 Endosulfan I						
1		3.918			ND	
2		4.520				
16 4,4'-DDE						7
1	4.053	4.058	-0.005	8561210H	0.0490	
2	4.622	4.615	0.007	3751530H	0.0323	
					RPD = 40.98	
LOD = 0.2046						
17 Dieldrin						
1	4.150	4.155	-0.005	123735446H	0.7056	
2	4.718	4.720	-0.002	78504516H	0.6954	
					RPD = 1.46	
19 Endrin						
1	4.420	4.405	0.015	25917836H	0.1595	
2	4.917	4.893	0.024	37163883H	0.3509	
					RPD = 75.01	
22 4,4'-DDD						7
1	4.525	4.518	0.007	28225452H	0.2064	
2	5.003	5.005	-0.002	6281258H	0.0670	
					RPD = 102.01	
LOD = 0.1943						
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.600	4.617	-0.017	49845596H	0.3141	
2	5.093	5.090	0.003	5086442H	0.0519	
					RPD = 143.29	
LOD = 0.2854						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
24 4,4'-DDT						
1	4.720	4.728	-0.008	68575073H	0.5225	
2	5.225	5.228	-0.003	26546128H	0.3055	
					RPD = 52.41	
25 Endrin aldehyde						7
1	4.783	4.792	-0.009	21190879H	0.1558	
2	5.160	5.170	-0.010	29084526H	0.3471	
					RPD = 76.08	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.933	4.943	-0.010	53205357H	0.3321	
2	5.367	5.377	-0.010	25318183H	0.2559	
					RPD = 25.90	
28 Methoxychlor						7
1	5.243	5.235	0.008	17876187H	0.2678	
2	5.522	5.542	-0.020	9197683H	0.2008	
					RPD = 28.60	
LOD = 1.24						
29 Endrin ketone						
1	5.365	5.375	-0.010	32204471H	0.1930	
2	5.672	5.672	0.000	11666937H	0.1112	
					RPD = 53.76	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.130	6.137	-0.007	2418882127H	14.0	
2	6.642	6.645	-0.003	1242286353H	14.3	
					RPD = 2.74	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:44 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.024.D

Injection Date: 22-Jun-2021 10:48:00 Instrument ID: 9191

Lims ID: 410-43723-A-12-A Lab Sample ID: 410-43723-12

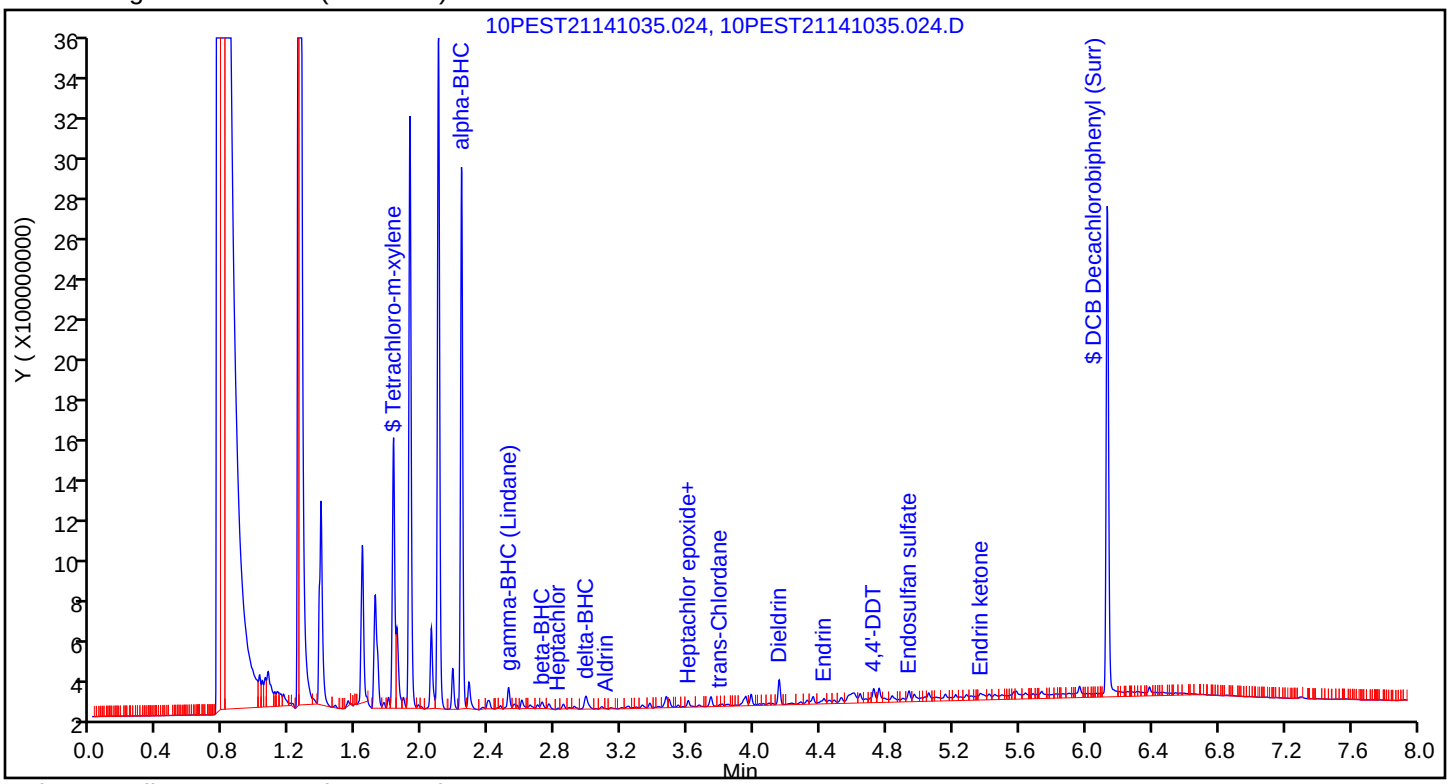
Client ID: DUP-F-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 24

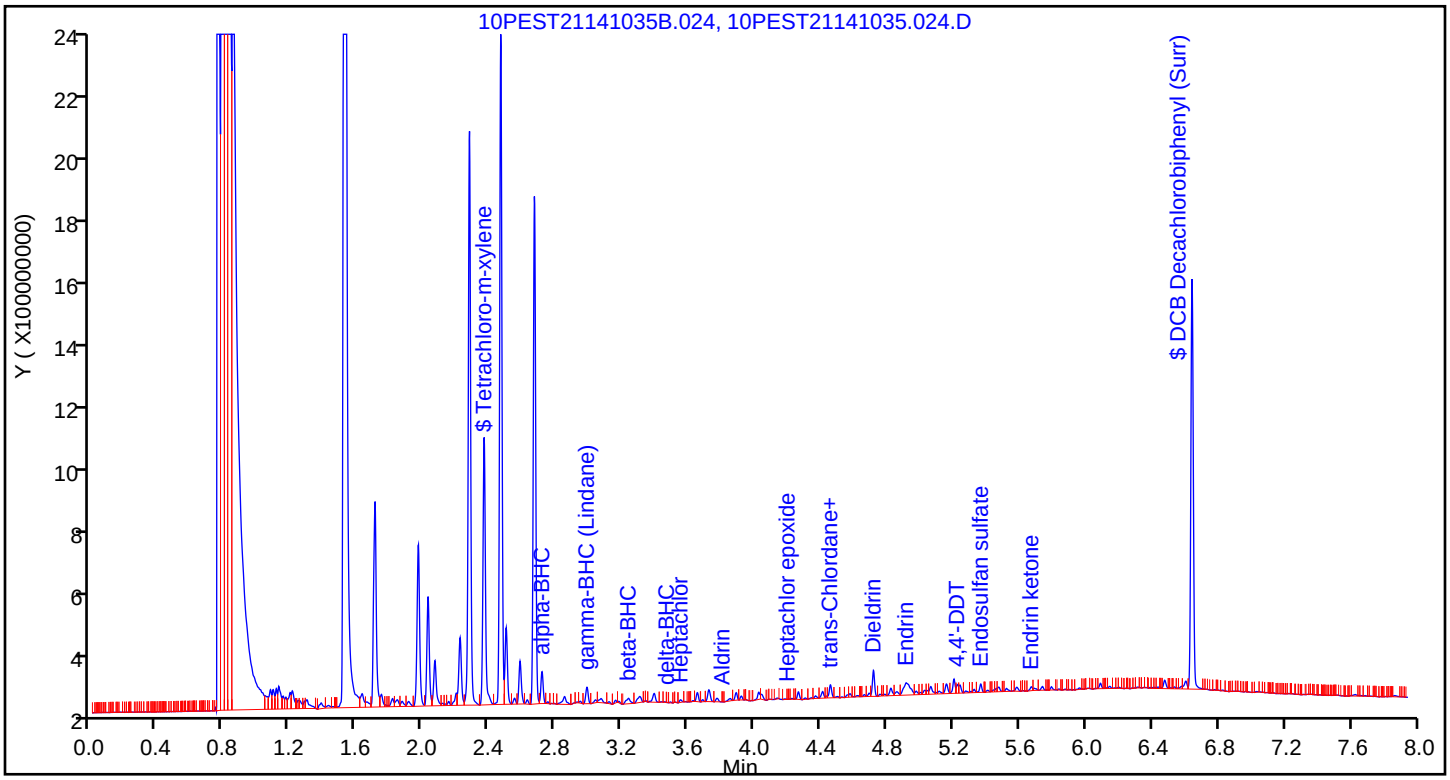
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: DUP-F-20210614 Lab Sample ID: 410-43723-12

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.024.D

Analysis Method: 8081B Date Collected: 06/14/2021 00:00

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 250(mL) Date Analyzed: 06/22/2021 10:48

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.014	J p	0.020	0.0030
319-86-8	delta-BHC	ND		0.020	0.0034
1031-07-8	Endosulfan sulfate	ND		0.030	0.0058
1024-57-3	Heptachlor epoxide	ND		0.020	0.0023
50-29-3	p,p'-DDT	0.0061	J p	0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	96		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	54		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.024.D
Lims ID: 410-43723-A-12-A
Client ID: DUP-F-20210614
Sample Type: Client
Inject. Date: 22-Jun-2021 10:48:00 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-12-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:48:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.822	1.825	-0.003	1333730819	H 8.06	
2	2.368	2.368	0.000	810713205	H 8.09	
					RPD = 0.30	
3 alpha-BHC						
1	2.232	2.232	0.000	2669968875	H 10.8	
2	2.718	2.702	0.016	96648849	H 0.6783	
					RPD = 176.40	
4 gamma-BHC (Lindane)						
1	2.517	2.520	-0.003	103825533	H 0.4829	
2	2.988	2.990	-0.002	49691531	H 0.4050	
					RPD = 17.56	
6 beta-BHC						
1	2.718	2.722	-0.004	31768098	H 0.3195	
2	3.240	3.237	0.003	16468655	H 0.2809	
					RPD = 12.88	
7 Heptachlor						
1	2.813	2.820	-0.007	5054933	H 0.0297	
2	3.553	3.543	0.010	7898675	H 0.0667	
					RPD = 76.77	
8 delta-BHC						
1	2.983	2.973	0.010	63400623	H 0.3021	
2	3.472	3.477	-0.005	437679	H 0.003379	
					RPD = 195.58	
9 Aldrin						
1	3.103	3.100	0.003	1195458	H 0.006779	
2	3.808	3.828	-0.020	209919	H 0.001792	
					RPD = 116.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.600	3.592	0.008	32189911H	0.1941	
2	4.200	4.197	0.003	470156H	0.004318	
					RPD = 191.29	
12 trans-Chlordane						
1	3.790	3.793	-0.003	8753517H	0.0523	
2	4.458	4.453	0.005	39344330H	0.3405	
					RPD = 146.79	
14 cis-Chlordane						7
1	3.880	3.875	0.005	3632616H	0.0211	
2	4.502	4.492	0.010	3720743H	0.0329	
					RPD = 43.41	
LOD = 0.1159						
15 Endosulfan I						
1		3.918			ND	
2		4.520				
16 4,4'-DDE						7
1	4.053	4.058	-0.005	8561210H	0.0490	
2	4.622	4.615	0.007	3751530H	0.0323	
					RPD = 40.98	
LOD = 0.2046						
17 Dieldrin						
1	4.150	4.155	-0.005	123735446H	0.7056	
2	4.718	4.720	-0.002	78504516H	0.6954	
					RPD = 1.46	
19 Endrin						
1	4.420	4.405	0.015	25917836H	0.1595	
2	4.917	4.893	0.024	37163883H	0.3509	
					RPD = 75.01	
22 4,4'-DDD						7
1	4.525	4.518	0.007	28225452H	0.2064	
2	5.003	5.005	-0.002	6281258H	0.0670	
					RPD = 102.01	
LOD = 0.1943						
27 Toxaphene						U
1		4.530			ND	
1		4.633				
1		4.848				
1		5.135				
1		5.228				
2		4.845				
2		5.135				
2		5.315				
2		5.603				
2		5.690				
23 Endosulfan II						7
1	4.600	4.617	-0.017	49845596H	0.3141	
2	5.093	5.090	0.003	5086442H	0.0519	
					RPD = 143.29	
LOD = 0.2854						

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
24 4,4'-DDT						
1	4.720	4.728	-0.008	68575073H	0.5225	
2	5.225	5.228	-0.003	26546128H	0.3055	
					RPD = 52.41	
25 Endrin aldehyde						7
1	4.783	4.792	-0.009	21190879H	0.1558	
2	5.160	5.170	-0.010	29084526H	0.3471	
					RPD = 76.08	
LOD = 0.2401						
26 Endosulfan sulfate						
1	4.933	4.943	-0.010	53205357H	0.3321	
2	5.367	5.377	-0.010	25318183H	0.2559	
					RPD = 25.90	
28 Methoxychlor						7
1	5.243	5.235	0.008	17876187H	0.2678	
2	5.522	5.542	-0.020	9197683H	0.2008	
					RPD = 28.60	
LOD = 1.24						
29 Endrin ketone						
1	5.365	5.375	-0.010	32204471H	0.1930	
2	5.672	5.672	0.000	11666937H	0.1112	
					RPD = 53.76	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.130	6.137	-0.007	2418882127H	14.0	
2	6.642	6.645	-0.003	1242286353H	14.3	
					RPD = 2.74	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

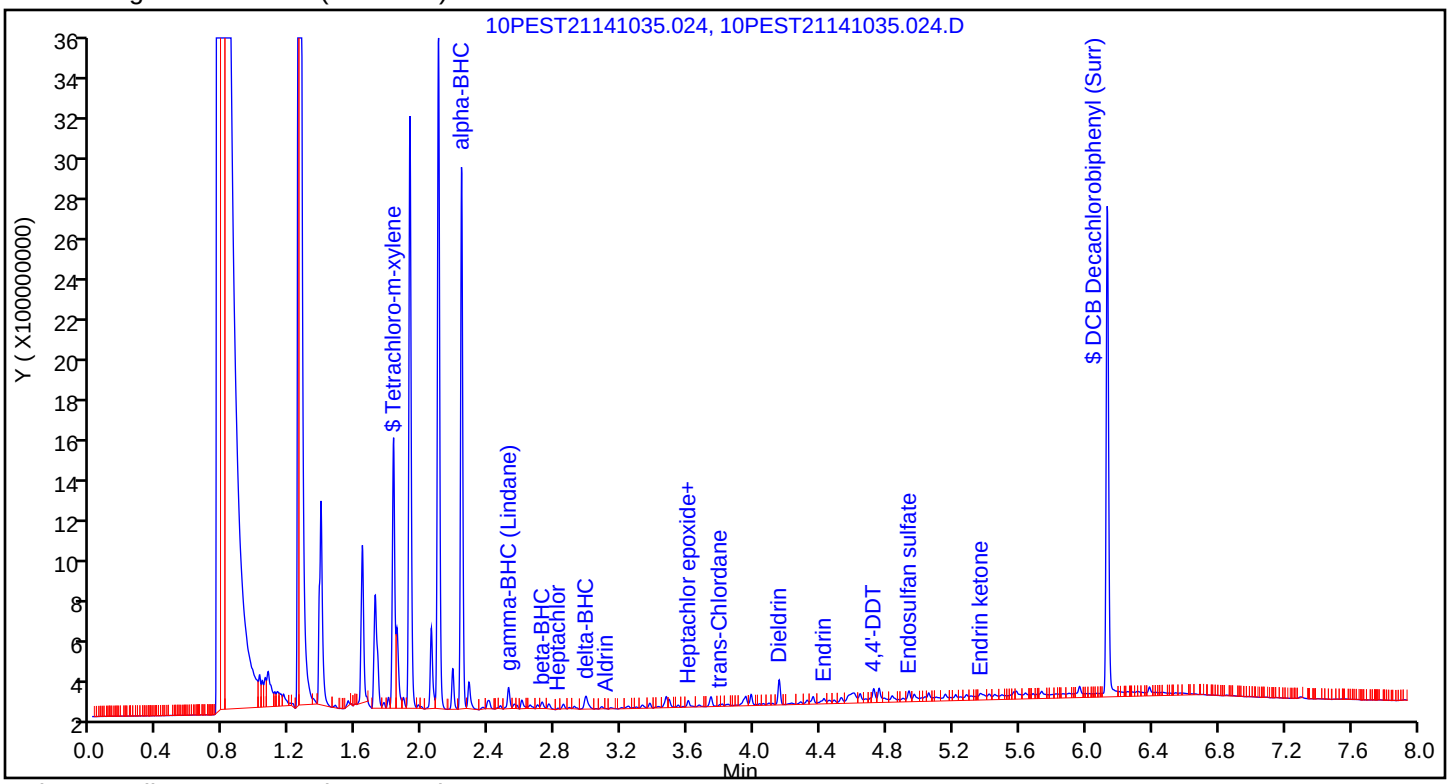
Report Date: 22-Jun-2021 15:51:44 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

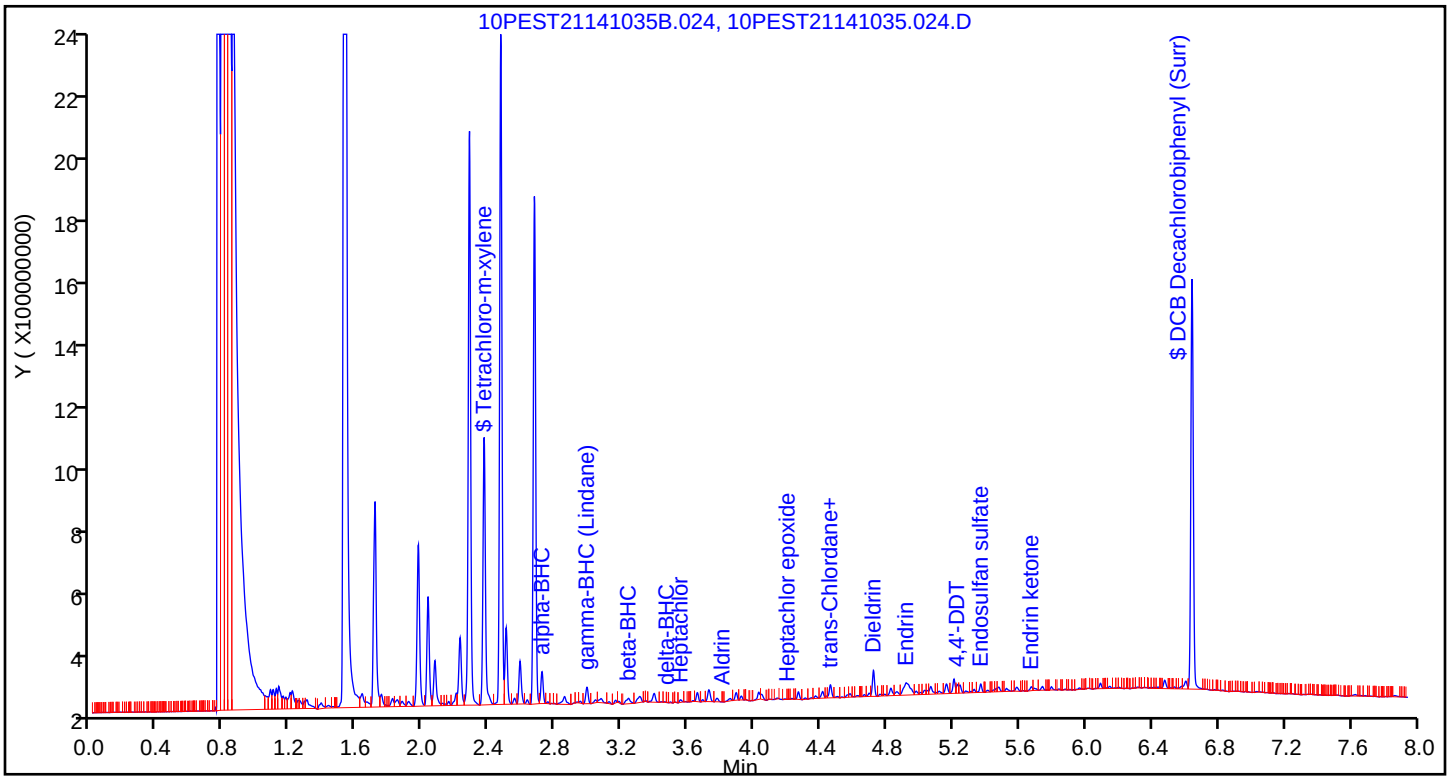
Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.024.D

Injection Date:	22-Jun-2021 10:48:00	Instrument ID:	9191		
Lims ID:	410-43723-A-12-A	Lab Sample ID:	410-43723-12		
Client ID:	DUP-F-20210614				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140054

SDG No.:

Instrument ID: 9191 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2021 09:42 Calibration End Date: 06/21/2021 10:44 Calibration ID: 27704

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-140054/4	10PEST21141034.004.D
Level 2	IC 410-140054/5	10PEST21141034.005.D
Level 3	IC 410-140054/6	10PEST21141034.006.D
Level 4	ICRT 410-140054/7	10PEST21141034.007.D
Level 5	IC 410-140054/8	10PEST21141034.008.D
Level 6	IC 410-140054/9	10PEST21141034.009.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	2.228	2.230	2.227	2.225	2.230	2.230					2.195 - 2.255	2.228
gamma-BHC (Lindane)	2.515	2.518	2.515	2.513	2.518	2.518					2.483 - 2.543	2.516
beta-BHC	2.718	2.720	2.715	2.715	2.720	2.720					2.685 - 2.745	2.718
Heptachlor	2.815	2.818	2.813	2.813	2.818	2.817					2.783 - 2.843	2.816
delta-BHC	2.968	2.972	2.967	2.967	2.972	2.972					2.937 - 2.997	2.970
Aldrin	3.093	3.097	3.093	3.092	3.097	3.097					3.062 - 3.122	3.095
Heptachlor epoxide	3.587	3.590	3.587	3.585	3.590	3.590					3.555 - 3.615	3.588
gamma-Chlordane	3.788	3.792	3.787	3.787	3.790	3.790					3.757 - 3.817	3.789
alpha-Chlordane	3.870	3.873	3.868	3.868	3.872	3.872					3.838 - 3.898	3.871
Endosulfan I	3.913	3.915	3.912	3.910	3.915	3.915					3.880 - 3.940	3.913
p,p'-DDE	4.053	4.055	4.052	4.050	4.055	4.055					4.020 - 4.080	4.053
Dieldrin	4.150	4.153	4.148	4.148	4.153	4.152					4.118 - 4.178	4.151
Endrin	4.400	4.403	4.400	4.398	4.402	4.402					4.368 - 4.428	4.401
p,p'-DDD	4.513	4.517	4.513	4.512	4.517	4.517					4.482 - 4.542	4.515
Endosulfan II	4.612	4.615	4.612	4.610	4.615	4.615					4.580 - 4.640	4.613
p,p'-DDT	4.723	4.725	4.722	4.720	4.725	4.725					4.690 - 4.750	4.723
Endrin aldehyde	4.787	4.790	4.787	4.785	4.790	4.790					4.755 - 4.815	4.788
Endosulfan sulfate	4.938	4.942	4.937	4.937	4.942	4.942					4.907 - 4.967	4.940
Methoxychlor	5.230	5.233	5.228	5.228	5.233	5.233					5.198 - 5.258	5.231
Endrin ketone	5.370	5.373	5.368	5.368	5.373	5.372					5.338 - 5.398	5.371
Tetrachloro-m-xylene (Surr)	1.822	1.825	1.820	1.820	1.823	1.823					1.790 - 1.850	1.822
DCB Decachlorobiphenyl (Surr)	6.132	6.133	6.130	6.130	6.133	6.133					6.100 - 6.160	6.132

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140054

SDG No.:

Instrument ID: 9191 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2021 09:42 Calibration End Date: 06/21/2021 10:44 Calibration ID: 27704

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-140054/4	10PEST21141034.004.D
Level 2	IC 410-140054/5	10PEST21141034.005.D
Level 3	IC 410-140054/6	10PEST21141034.006.D
Level 4	ICRT 410-140054/7	10PEST21141034.007.D
Level 5	IC 410-140054/8	10PEST21141034.008.D
Level 6	IC 410-140054/9	10PEST21141034.009.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	238612226 251595624	237771777 253731822	236004625	263340528	Ave		246842767				4.5		20.0			
gamma-BHC (Lindane)	212187258 216012312	212519304 216022581	207340818	225848861	Ave		214988522				2.9		20.0			
beta-BHC	116158302 91978017	108040474 90945720	93086141	96305112	Ave		99418961. 1				10.4		20.0			
Heptachlor	179998040 166674986	175808539 164148368	160303875	173788972	Ave		170120463				4.5		20.0			
delta-BHC	198687347 217219504	201604145 214023606	201559962	226169884	Ave		209877408				5.2		20.0			
Aldrin	172506498 180406029	172525331 179036280	167705845	185903197	Ave		176347197				3.8		20.0			
Heptachlor epoxide	168990765 164129144	168921572 162713919	156368390	174175112	Ave		165883150				3.7		20.0			
gamma-Chlordane	171777097 167184756	166550637 166189401	158902870	174534302	Ave		167523177				3.2		20.0			
alpha-Chlordane	180492252 169836399	171508629 167021826	162378188	179787371	Ave		171837444				4.2		20.0			
Endosulfan I	171356673 157884681	164919470 158711488	153187116	165919971	Ave		161996567				4.1		20.0			
p,p'-DDE	171978711 177135657	172876324 175871210	169130672	181009209	Ave		174666964				2.4		20.0			
Dieldrin	166907258 179750503	172506602 178534934	166320660	188200839	Ave		175370133				4.8		20.0			
Endrin	175860990 160899988	164281503 155242524	149112748	169696803	Ave		162515759				6.0		20.0			
p,p'-DDD	122590521 141929532	131945072 140290626	138121956	145499490	Ave		136729533				6.0		20.0			

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

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140054

SDG No.:

Instrument ID: 9191 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2021 09:42 Calibration End Date: 06/21/2021 10:44 Calibration ID: 27704

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Endosulfan II	171365070 154566954	161112517 154203459	147923803	163129654	Ave		158716909				5.2		20.0			
p,p'-DDT	132176406 132192041	127786795 130224406	125181634	139846230	Ave		131234585				3.8		20.0			
Endrin aldehyde	140219253 132610397	140041203 129444525	131590178	142177958	Ave		136013919				4.0		20.0			
Endosulfan sulfate	164788508 158394228	165497935 152945002	155014810	164745880	Ave		160231060				3.4		20.0			
Methoxychlor	73772494 61780420	71511406 59725764	65007561	68662665	Ave		66743385. 0				8.3		20.0			
Endrin ketone	175689826 166593886	169184110 156466673	161507742	171719924	Ave		166860360				4.2		20.0			
Tetrachloro-m-xylene (Surr)	171416238 161279948	167591418 159766259	158774830	173521427	Ave		165391687				3.8		20.0			
DCB Decachlorobiphenyl (Surr)	193429134 164902763	184192814 158637357	163678645	174954613	Ave		173299221				7.8		20.0			

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

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140054

SDG No.:

Instrument ID: 9191 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2021 09:42 Calibration End Date: 06/21/2021 10:44 Calibration ID: 27704

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-140054/4	10PEST21141034.004.D
Level 2	IC 410-140054/5	10PEST21141034.005.D
Level 3	IC 410-140054/6	10PEST21141034.006.D
Level 4	ICRT 410-140054/7	10PEST21141034.007.D
Level 5	IC 410-140054/8	10PEST21141034.008.D
Level 6	IC 410-140054/9	10PEST21141034.009.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	119831060 513806938 6	240743924	119477341 5	266632284 3	387205666 0	0.502 20.3	1.01	5.06	10.1	15.4
gamma-BHC (Lindane)	Ave	105244880 432045162 8	212519304	103670409 0	225848861 4	328338713 7	0.496 20.0	1.00	5.00	10.0	15.2
beta-BHC	Ave	57614518 181891439 4	108040474	465430703	963051123	139806586 3	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor	Ave	89279028 328296736 2	175808539	801519377	173788971 7	253345979 4	0.496 20.0	1.00	5.00	10.0	15.2
delta-BHC	Ave	98548924 428047212 1	201604145	100779981 0	226169883 6	330173646 2	0.496 20.0	1.00	5.00	10.0	15.2
Aldrin	Ave	85563223 358072559 7	172525331	838529225	185903197 3	274217164 0	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor epoxide	Ave	84867162 329495686 5	171033092	791614975	176352300 8	252594752 3	0.502 20.3	1.01	5.06	10.1	15.4

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140054

SDG No.:

Instrument ID: 9191 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2021 09:42 Calibration End Date: 06/21/2021 10:44 Calibration ID: 27704

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
gamma-Chlordane	Ave	85201440 3323788015	166550637	794514348	1745343016	2541208298	0.496 20.0	1.00	5.00	10.0	15.2
alpha-Chlordane	Ave	89524157 3340436514	171508629	811890941	1797873708	2581513265	0.496 20.0	1.00	5.00	10.0	15.2
Endosulfan I	Ave	84992910 3174229758	164919470	765935579	1659199712	2399847154	0.496 20.0	1.00	5.00	10.0	15.2
p,p'-DDE	Ave	170602881 7034848405	345752647	1691306720	3620184185	5384923968	0.992 40.0	2.00	10.0	20.0	30.4
Dieldrin	Ave	165572000 7141397361	345013204	1663206597	3764016779	5464415293	0.992 40.0	2.00	10.0	20.0	30.4
Endrin	Ave	174454102 6209700970	328563005	1491127482	3393936052	4891359645	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDD	Ave	122369858 5646697700	265539457	1389852184	2928177233	4341624394	0.998 40.3	2.01	10.1	20.1	30.6
Endosulfan II	Ave	169994149 6168138363	322225033	1479238032	3262593077	4698835403	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDT	Ave	131938488 5241532360	257170925	1259640190	2814405377	4043754523	0.998 40.3	2.01	10.1	20.1	30.6

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140054

SDG No.:

Instrument ID: 9191 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2021 09:42 Calibration End Date: 06/21/2021 10:44 Calibration ID: 27704

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	Ave	139097499 517778099 6	280082406	131590177 9	284355916 8	403135608 0	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan sulfate	Ave	163470200 611780007 1	330995869	155014809 8	329491759 7	481518454 6	0.992 40.0	2.00	10.0	20.0	30.4
Methoxychlor	Ave	365911572 119451528 43	715114056	325037805 1	686626649 9	939062382 7	4.96 200	10.0	50.0	100	152
Endrin ketone	Ave	174284307 625866690 0	338368219	161507742 4	343439847 1	506445414 2	0.992 40.0	2.00	10.0	20.0	30.4
Tetrachloro-m-xylene (Surr)	Ave	340429907 127940820 25	671036037	317867210 0	694779793 6	981562666 6	1.99 80.1	4.00	20.0	40.0	60.9
DCB Decachlorobiphenyl (Surr)	Ave	383955283 126973340 89	737139642	327520968 2	700168359 9	100311010 05	1.98 80.0	4.00	20.0	40.0	60.8

Curve Type Legend
Ave = Average by Height

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D
Lims ID: ic mixa1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Jun-2021 09:42:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic mixa1
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 11:48:29 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

First Level Reviewer: dalea Date: 21-Jun-2021 11:41:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.822	1.820	0.002	340429907H	1.99	2.06	
2	2.367	2.367	0.000	207306478H	1.99	2.07	
						RPD = 0.48	
3 alpha-BHC							
1	2.228	2.225	0.003	119831060H	0.5022	0.4855	
2	2.697	2.698	-0.001	75486335H	0.5022	0.5298	
						RPD = 8.73	
4 gamma-BHC (Lindane)							
1	2.515	2.513	0.002	105244880H	0.4960	0.4895	
2	2.987	2.987	0.000	67354969H	0.4960	0.5489	
						RPD = 11.43	
6 beta-BHC							
1	2.718	2.715	0.003	57614518H	0.4960	0.5795	
2	3.233	3.235	-0.002	34158499H	0.4960	0.5825	
						RPD = 0.52	
7 Heptachlor							
1	2.815	2.813	0.002	89279028H	0.4960	0.5248	
2	3.540	3.540	0.000	64547860H	0.4960	0.5454	
						RPD = 3.84	
8 delta-BHC							
1	2.968	2.967	0.001	98548924H	0.4960	0.4696	
2	3.473	3.475	-0.002	67250443H	0.4960	0.5192	
						RPD = 10.04	
9 Aldrin							
1	3.093	3.092	0.001	85563223H	0.4960	0.4852	
2	3.825	3.825	0.000	63307246H	0.4960	0.5403	
						RPD = 10.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.587	3.585	0.002	84867162H	0.5022	0.5116	
2	4.193	4.193	0.000	58935107H	0.5022	0.5413	
						RPD = 5.63	
12 trans-Chlordane							
1	3.788	3.787	0.001	85201440H	0.4960	0.5086	
2	4.450	4.450	0.000	64891222H	0.4960	0.5616	
						RPD = 9.91	
14 cis-Chlordane							
1	3.870	3.868	0.002	89524157H	0.4960	0.5210	
2	4.488	4.490	-0.002	63194650H	0.4960	0.5581	
						RPD = 6.89	
15 Endosulfan I							
1	3.913	3.910	0.003	84992910H	0.4960	0.5247	
2	4.517	4.518	-0.001	58228335H	0.4960	0.5546	
						RPD = 5.54	
16 4,4'-DDE							
1	4.053	4.050	0.003	170602881H	0.99	0.9767	
2	4.612	4.613	-0.001	121300143H	0.99	1.05	
						RPD = 6.83	
17 Dieldrin							M
1	4.150	4.148	0.002	165572000H	0.99	0.9441	
2	4.717	4.718	-0.001	117385182H	0.99	1.04	M
						RPD = 9.64	
19 Endrin							M
1	4.400	4.398	0.002	174454102H	0.99	1.07	
2	4.890	4.892	-0.002	117832997H	0.99	1.11	M
						RPD = 3.58	
22 4,4'-DDD							M
1	4.513	4.512	0.001	122369858H	1.00	0.8950	M
2	5.000	5.002	-0.002	102373978H	1.00	1.09	M
						RPD = 19.79	
23 Endosulfan II							M
1	4.612	4.610	0.002	169994149H	0.99	1.07	M
2	5.088	5.088	0.000	105842850H	0.99	1.08	M
						RPD = 0.80	
24 4,4'-DDT							M
1	4.723	4.720	0.003	131938488H	1.00	1.01	M
2	5.225	5.225	0.000	91198260H	1.00	1.05	M
						RPD = 4.31	
25 Endrin aldehyde							M
1	4.787	4.785	0.002	139097499H	0.99	1.02	M
2	5.168	5.168	0.000	95432358H	0.99	1.14	M
						RPD = 10.76	
26 Endosulfan sulfate							M
1	4.938	4.937	0.001	163470200H	0.99	1.02	M
2	5.373	5.373	0.000	111074786H	0.99	1.12	M
						RPD = 9.57	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							M
1	5.230	5.228	0.002	365911572H	4.96	5.48	M
2	5.538	5.538	0.000	249081676H	4.96	5.44	M
						RPD = 0.80	
29 Endrin ketone							M
1	5.370	5.368	0.002	174284307H	0.99	1.04	M
2	5.668	5.668	0.000	115416390H	0.99	1.10	M
						RPD = 5.21	
$ 31 DCB Decachlorobiphenyl (Surr)							M
1	6.132	6.130	0.002	383955283H	1.98	2.22	
2	6.642	6.643	-0.001	201315356H	1.98	2.32	M
						RPD = 4.81	
S 32 Total DDTs							
1						1.05	
2						1.01	
						RPD = 4.31	
S 33 Endosulfan, Total							
1						1.63	
2						1.60	
						RPD = 2.38	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCS_MIXA1_00003 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 11:48:30 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D

Injection Date: 21-Jun-2021 09:42:00 Instrument ID: 9191

Lims ID: ic mixa1

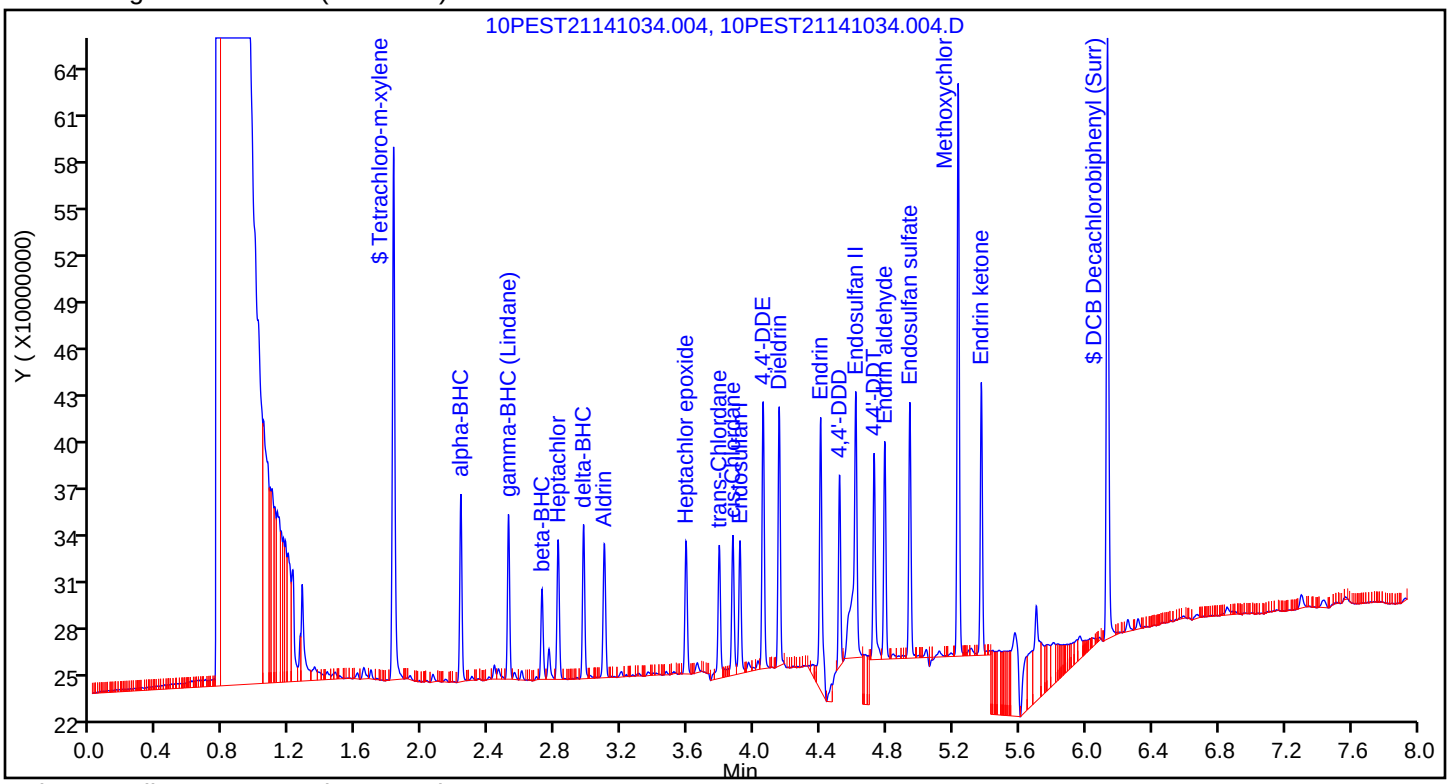
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 4

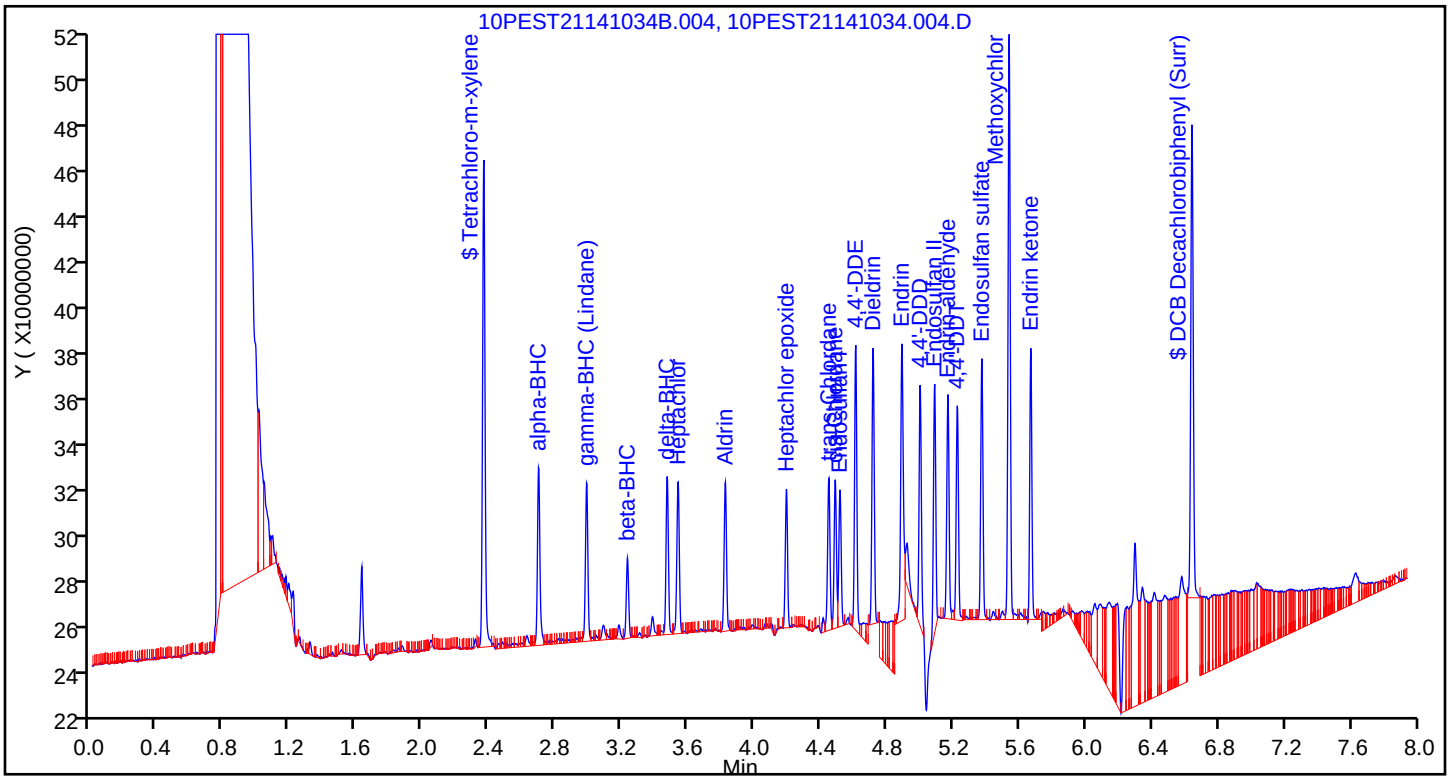
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

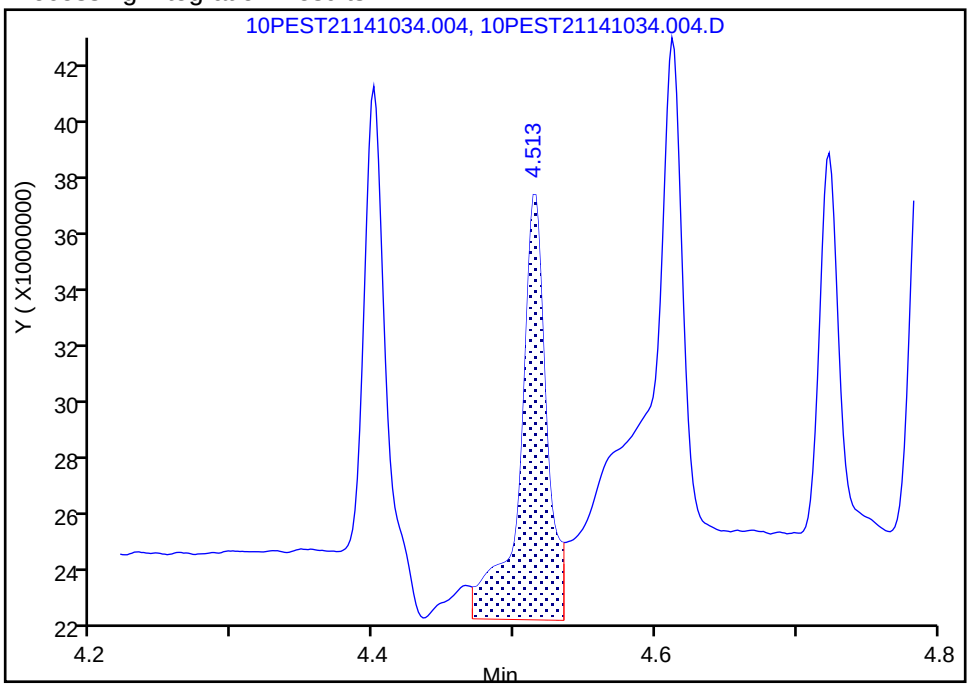
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	ECD1A		

22 4,4'-DDD, CAS: 72-54-8

Signal: 1

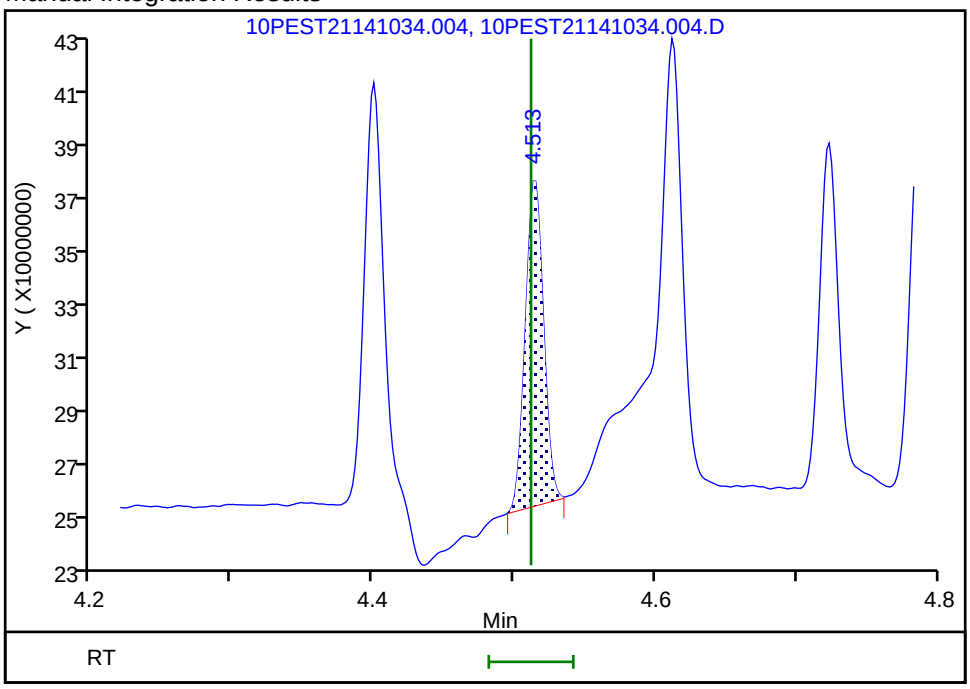
Processing Integration Results

RT: 4.51
Height: 145070542
Amount: 1.032385
Amount Units: ug/l



Manual Integration Results

RT: 4.51
Height: 122369858
Amount: 0.894978
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:41:06

Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

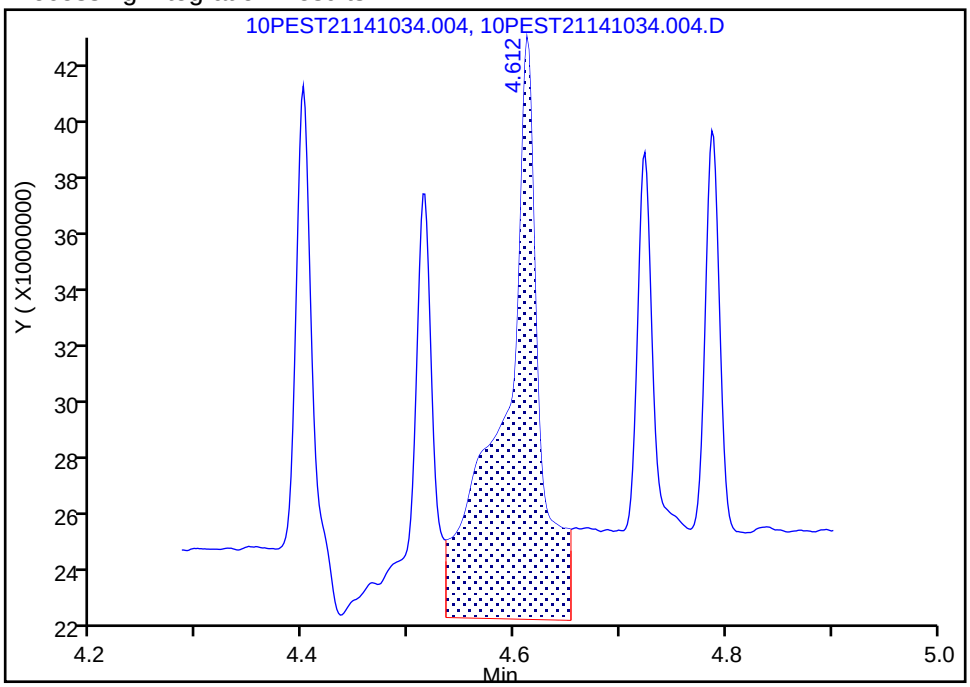
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	ECD1A		

23 Endosulfan II, CAS: 33213-65-9

Signal: 1

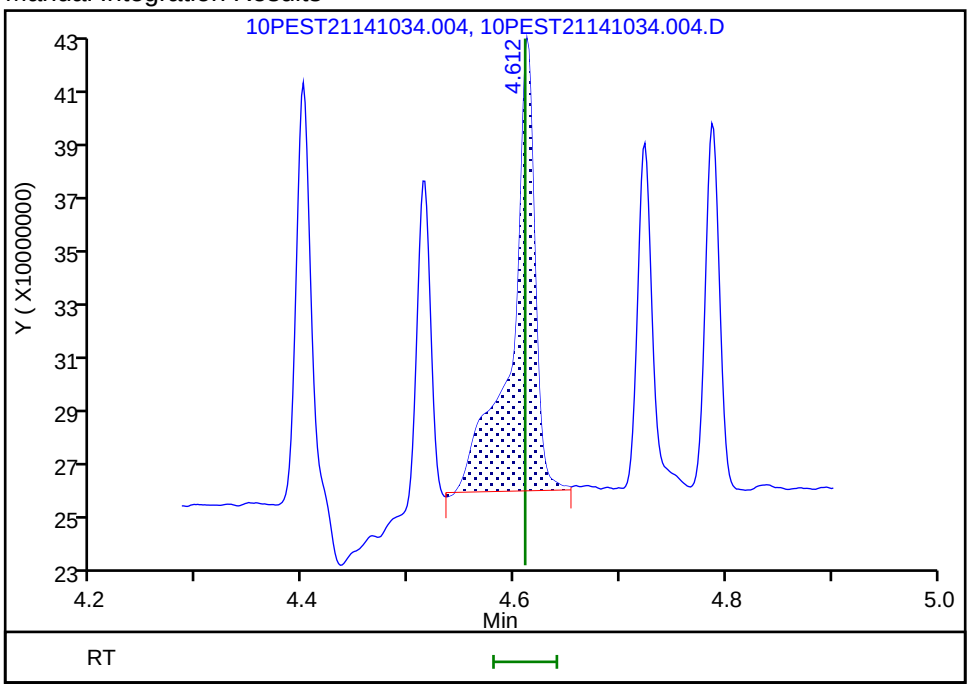
Processing Integration Results

RT: 4.61
Height: 199436694
Amount: 1.218577
Amount Units: ug/l



Manual Integration Results

RT: 4.61
Height: 169994149
Amount: 1.071053
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:39:40
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

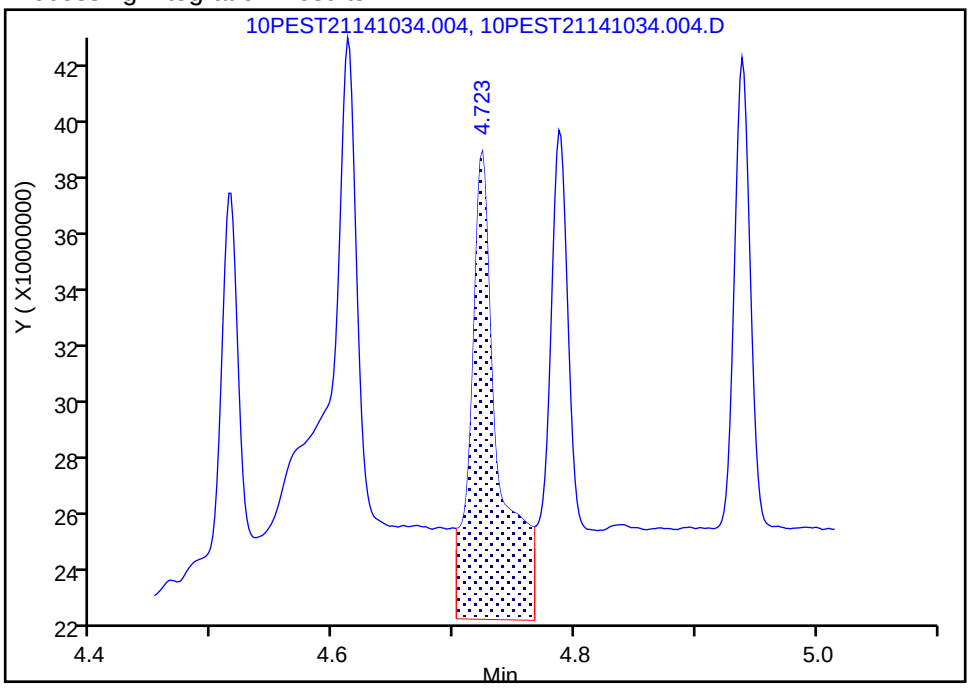
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	ECD1A		

24 4,4'-DDT, CAS: 50-29-3

Signal: 1

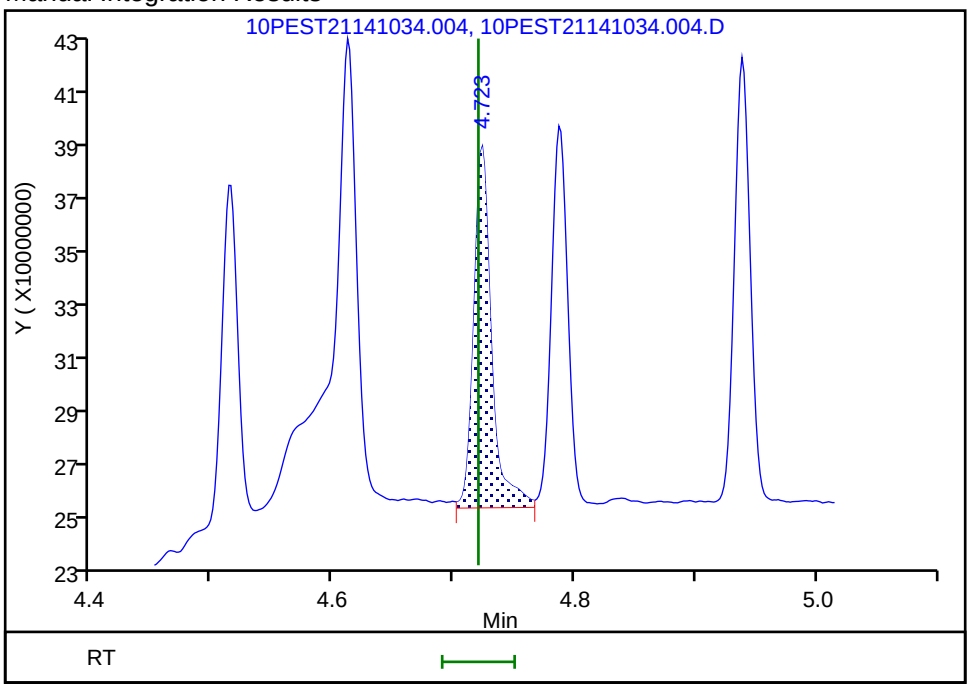
Processing Integration Results

RT: 4.72
Height: 161038138
Amount: 1.183292
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Height: 131938488
Amount: 1.005364
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:40:19
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

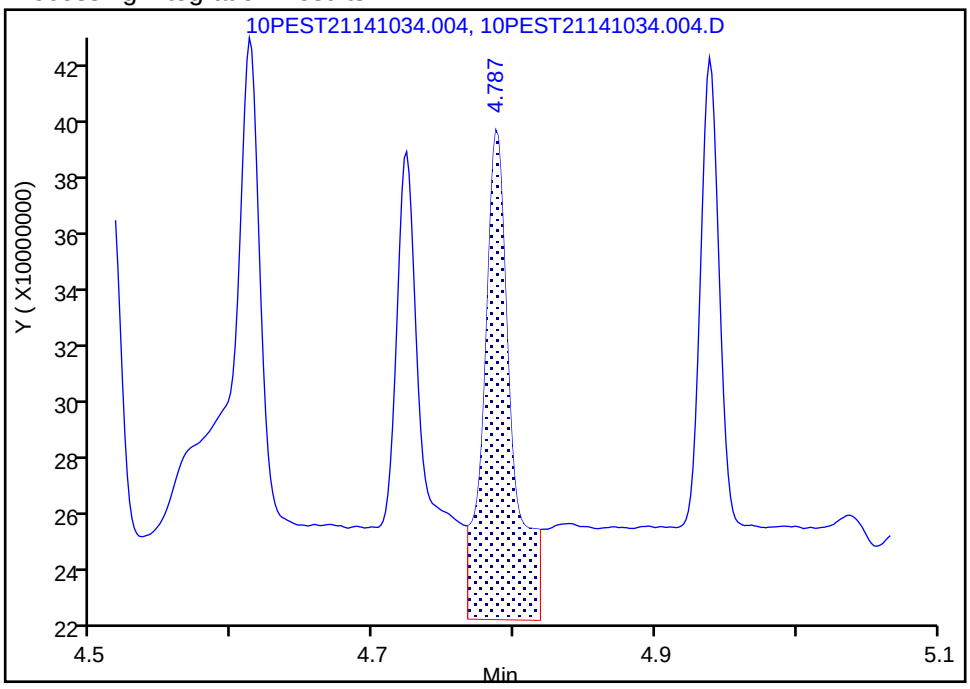
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	ECD1A		

25 Endrin aldehyde, CAS: 7421-93-4

Signal: 1

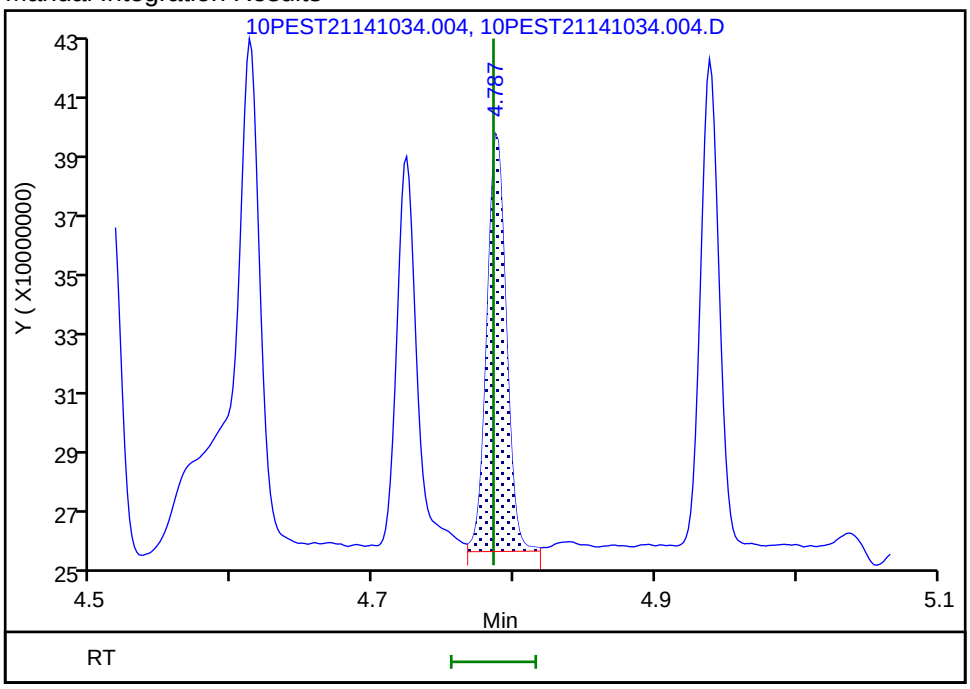
Processing Integration Results

RT: 4.79
Height: 168993894
Amount: 1.198225
Amount Units: ug/l



Manual Integration Results

RT: 4.79
Height: 139097499
Amount: 1.022671
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:40:19
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

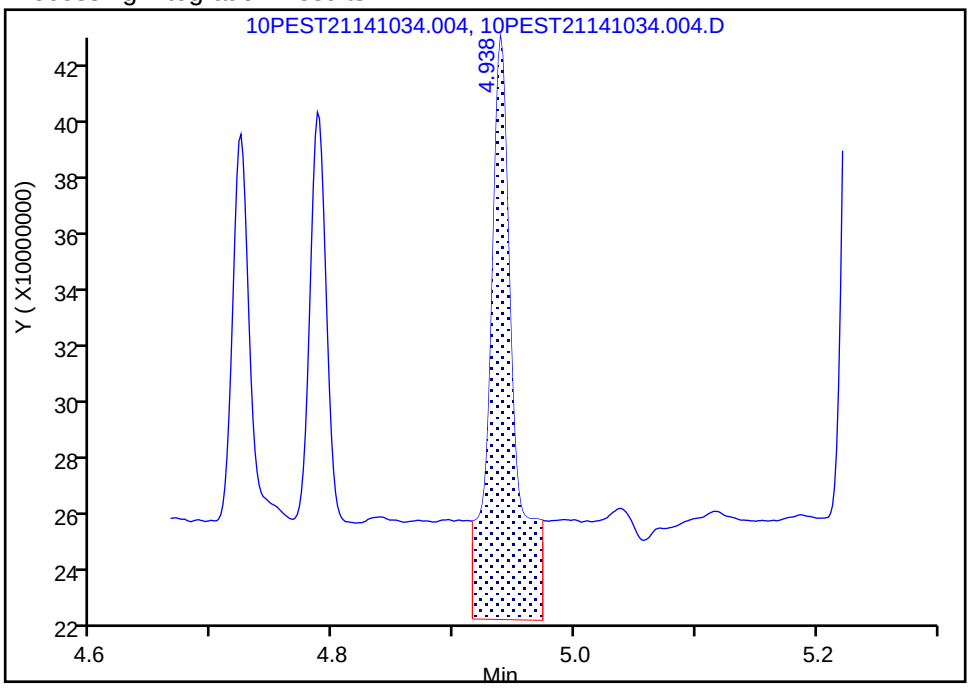
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	ECD1A		

26 Endosulfan sulfate, CAS: 1031-07-8

Signal: 1

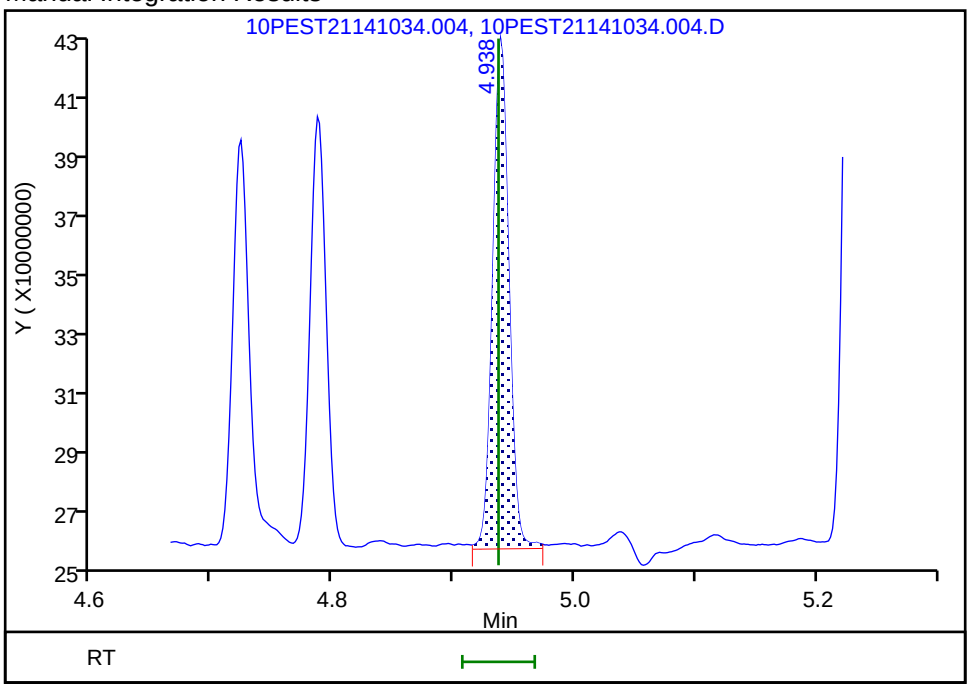
Processing Integration Results

RT: 4.94
Height: 195274590
Amount: 1.179376
Amount Units: ug/l



Manual Integration Results

RT: 4.94
Height: 163470200
Amount: 1.020215
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:40:19
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

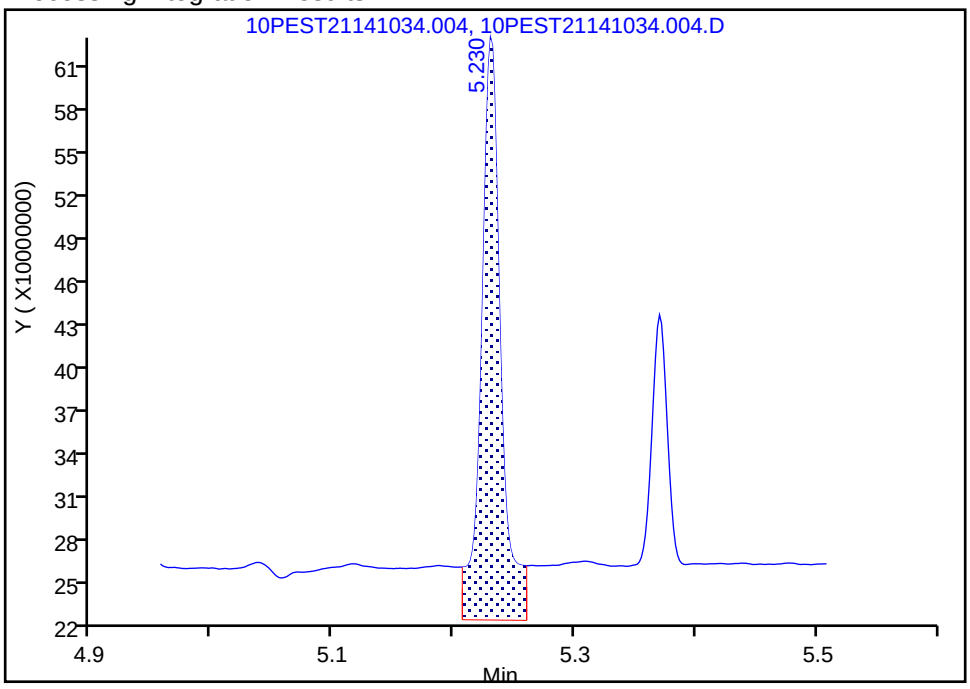
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	ECD1A		

28 Methoxychlor, CAS: 72-43-5

Signal: 1

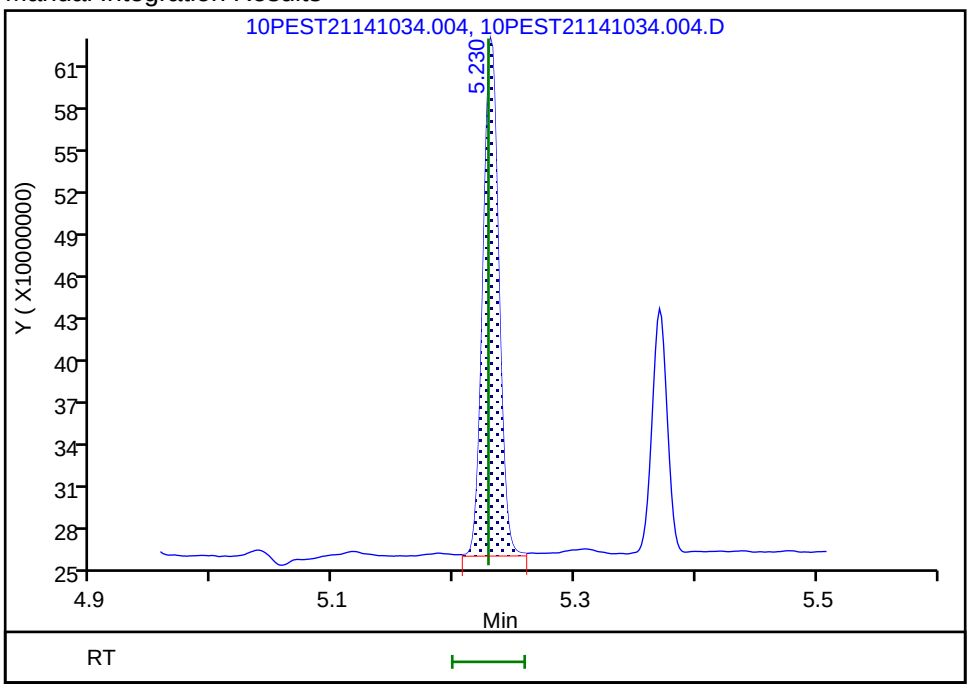
Processing Integration Results

RT: 5.23
Height: 401385183
Amount: 5.908338
Amount Units: ug/l



Manual Integration Results

RT: 5.23
Height: 365911572
Amount: 5.482365
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:40:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

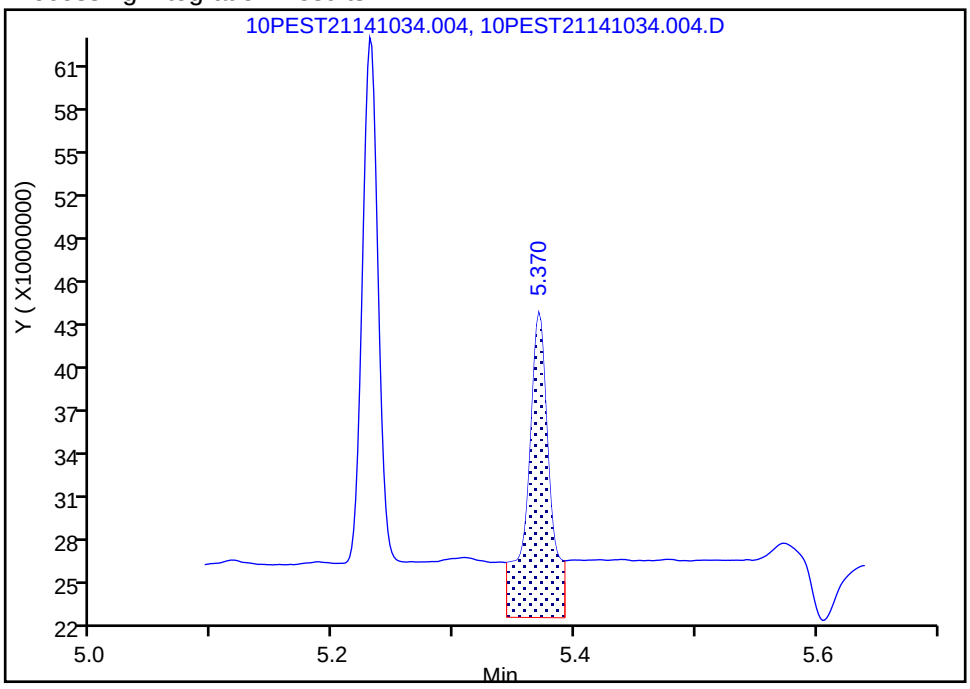
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	ECD1A		

29 Endrin ketone, CAS: 53494-70-5

Signal: 1

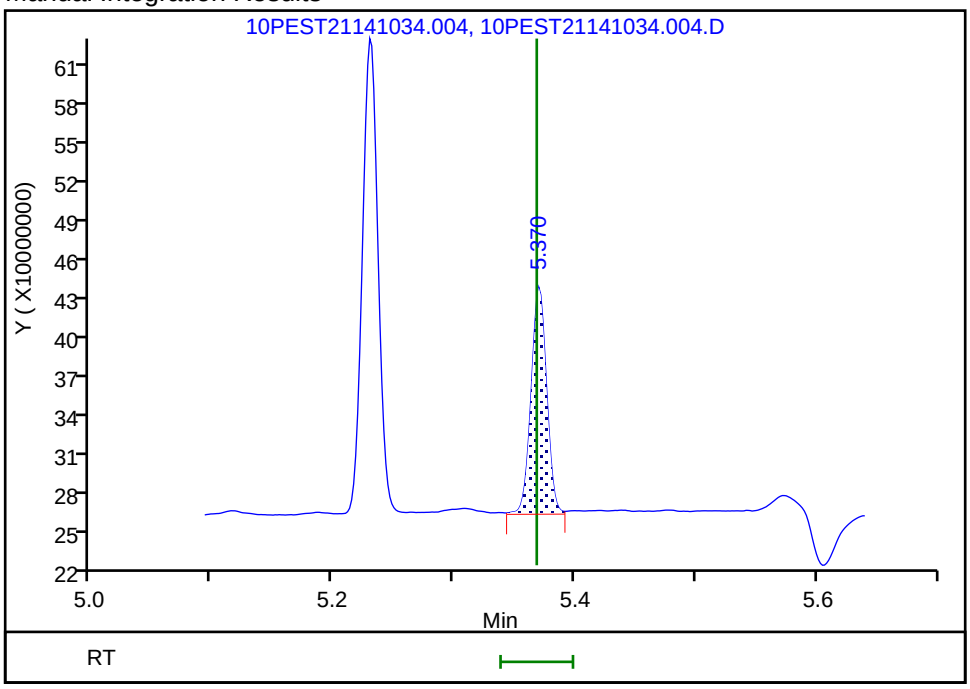
Processing Integration Results

RT: 5.37
Height: 211519142
Amount: 1.221833
Amount Units: ug/l



Manual Integration Results

RT: 5.37
Height: 174284307
Amount: 1.044492
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:40:19
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D
Lims ID: ic mixa2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Jun-2021 09:55:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a2
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 11:50:23 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

First Level Reviewer: dalea Date: 21-Jun-2021 11:43:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.825	1.820	0.005	671036037H	4.00	4.06	
2	2.368	2.367	0.001	414641008H	4.00	4.14	
						RPD = 1.94	
3 alpha-BHC							
1	2.230	2.225	0.005	240743924H	1.01	0.9753	
2	2.700	2.698	0.002	144404365H	1.01	1.01	
						RPD = 3.84	
4 gamma-BHC (Lindane)							
1	2.518	2.513	0.005	212519304H	1.00	0.9885	
2	2.988	2.987	0.001	127978499H	1.00	1.04	
						RPD = 5.36	
6 beta-BHC							
1	2.720	2.715	0.005	108040474H	1.00	1.09	
2	3.235	3.235	0.000	66808679H	1.00	1.14	
						RPD = 4.73	
7 Heptachlor							
1	2.818	2.813	0.005	175808539H	1.00	1.03	
2	3.542	3.540	0.002	125454550H	1.00	1.06	
						RPD = 2.54	
8 delta-BHC							
1	2.972	2.967	0.005	201604145H	1.00	0.9606	
2	3.477	3.475	0.002	130868089H	1.00	1.01	
						RPD = 5.05	
9 Aldrin							
1	3.097	3.092	0.005	172525331H	1.00	0.9783	
2	3.827	3.825	0.002	120052344H	1.00	1.02	
						RPD = 4.62	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.590	3.585	0.005	171033092H	1.01	1.03	
2	4.195	4.193	0.002	121879552H	1.01	1.12	
						RPD = 8.21	
12 trans-Chlordane							M
1	3.792	3.787	0.005	166550637H	1.00	0.99	
2	4.452	4.450	0.002	119520915H	1.00	1.03	M
						RPD = 3.97	
14 cis-Chlordane							M
1	3.873	3.868	0.005	171508629H	1.00	1.00	
2	4.492	4.490	0.002	120521985H	1.00	1.06	M
						RPD = 6.44	
15 Endosulfan I							M
1	3.915	3.910	0.005	164919470H	1.00	1.02	
2	4.520	4.518	0.002	113418604H	1.00	1.08	M
						RPD = 5.93	
16 4,4'-DDE							M
1	4.055	4.050	0.005	345752647H	2.00	1.98	
2	4.613	4.613	0.000	231066140H	2.00	1.99	M
						RPD = 0.63	
17 Dieldrin							M
1	4.153	4.148	0.005	345013204H	2.00	1.97	
2	4.718	4.718	0.000	230148402H	2.00	2.04	M
						RPD = 3.56	
19 Endrin							M
1	4.403	4.398	0.005	328563005H	2.00	2.02	
2	4.893	4.892	0.001	228429735H	2.00	2.16	M
						RPD = 6.46	
22 4,4'-DDD							M
1	4.517	4.512	0.005	265539457H	2.01	1.94	
2	5.003	5.002	0.001	197863768H	2.01	2.11	M
						RPD = 8.28	
23 Endosulfan II							M
1	4.615	4.610	0.005	322225033H	2.00	2.03	
2	5.090	5.088	0.002	209514481H	2.00	2.14	M
						RPD = 5.13	
24 4,4'-DDT							M
1	4.725	4.720	0.005	257170925H	2.01	1.96	
2	5.227	5.225	0.002	180131878H	2.01	2.07	M
						RPD = 5.63	
25 Endrin aldehyde							M
1	4.790	4.785	0.005	280082406H	2.00	2.06	
2	5.170	5.168	0.002	180915566H	2.00	2.16	M
						RPD = 4.74	
26 Endosulfan sulfate							M
1	4.942	4.937	0.005	330995869H	2.00	2.07	
2	5.375	5.373	0.002	213868998H	2.00	2.16	M
						RPD = 4.54	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							M
1	5.233	5.228	0.005	715114056H	10.0	10.7	
2	5.540	5.538	0.002	481934908H	10.0	10.5	M
						RPD = 1.80	
29 Endrin ketone							M
1	5.373	5.368	0.005	338368219H	2.00	2.03	
2	5.670	5.668	0.002	217603884H	2.00	2.07	M
						RPD = 2.28	
$ 31 DCB Decachlorobiphenyl (Surr)							M
1	6.133	6.130	0.003	737139642H	4.00	4.25	
2	6.643	6.643	0.000	369491847H	4.00	4.27	M
						RPD = 0.31	
S 32 Total DDTs							
1						2.07	
2						1.96	
						RPD = 5.63	
S 33 Endosulfan, Total							
1						3.22	
2						3.05	
						RPD = 5.40	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCS_MIXA2_00003 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 11:50:23 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D

Injection Date: 21-Jun-2021 09:55:00 Instrument ID: 9191

Lims ID: ic mixa2

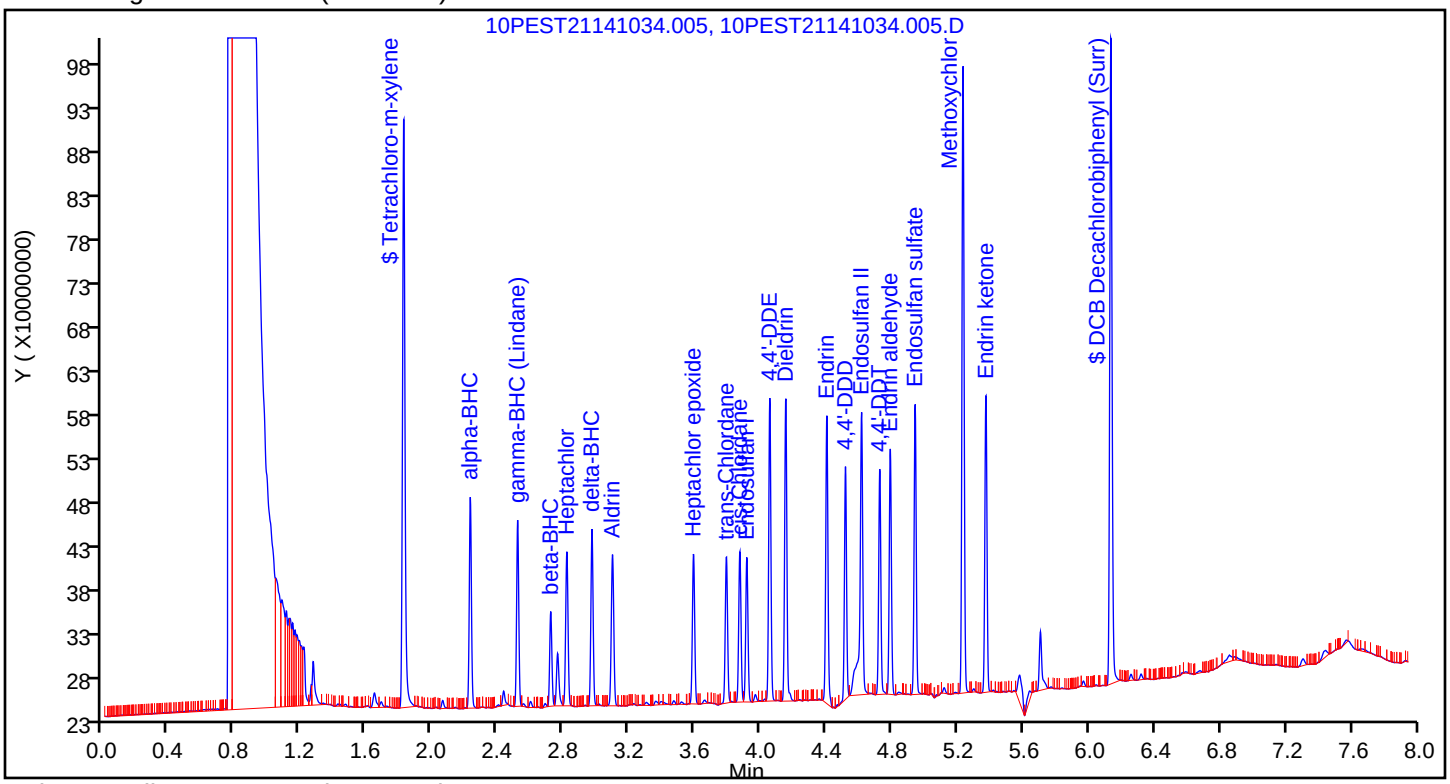
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 5

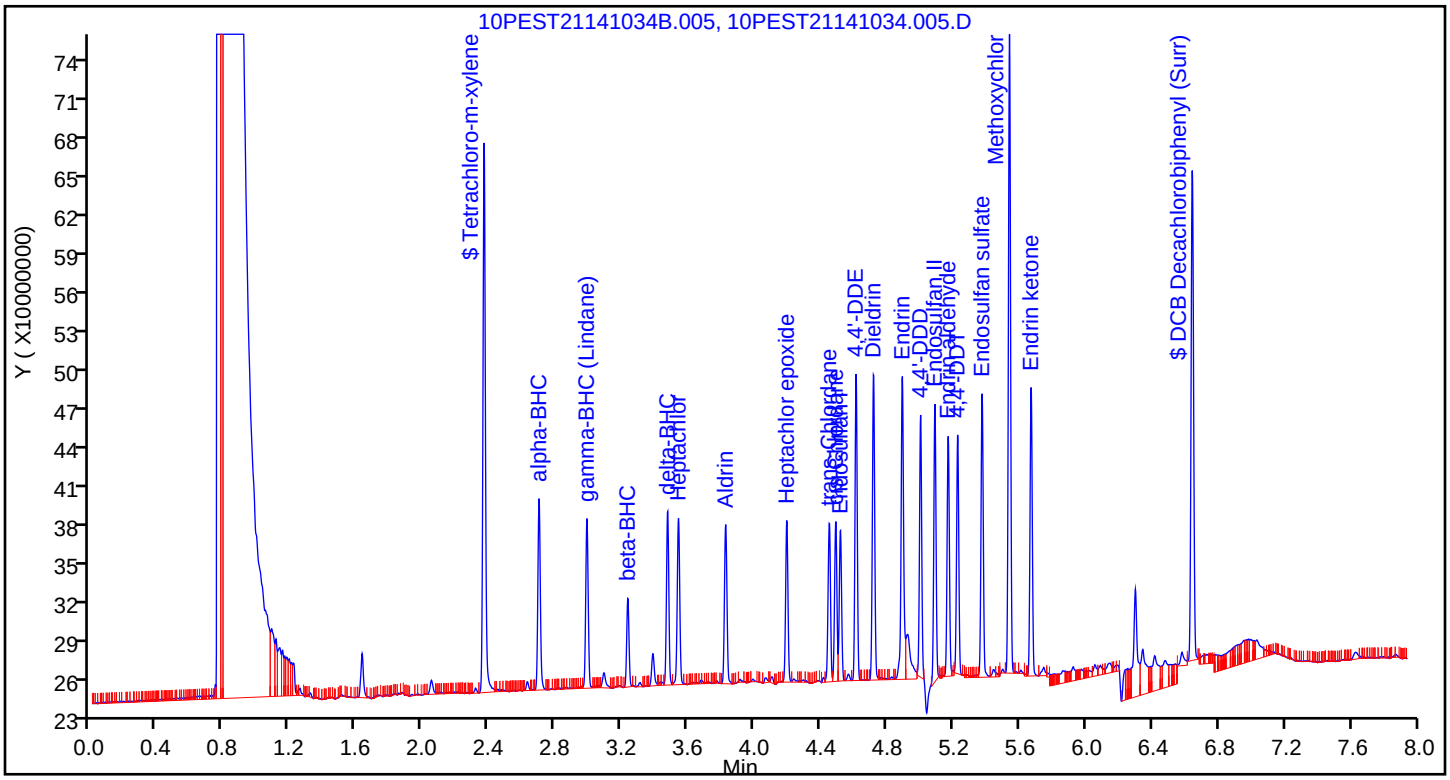
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.006.D
Lims ID: ic mixa3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Jun-2021 10:07:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a3
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 11:52:04 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

First Level Reviewer: dalea Date: 21-Jun-2021 11:43:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.820	1.820	0.000	3178672100H	20.0	19.2	
2	2.365	2.367	-0.002	1909407746H	20.0	19.0	
						RPD = 0.89	
3 alpha-BHC							
1	2.227	2.225	0.002	1194773415H	5.06	4.84	
2	2.697	2.698	-0.001	679282339H	5.06	4.77	
						RPD = 1.52	
4 gamma-BHC (Lindane)							
1	2.515	2.513	0.002	1036704090H	5.00	4.82	
2	2.985	2.987	-0.002	571596007H	5.00	4.66	
						RPD = 3.46	
6 beta-BHC							
1	2.715	2.715	0.000	465430703H	5.00	4.68	
2	3.232	3.235	-0.003	272954474H	5.00	4.65	
						RPD = 0.57	
7 Heptachlor							
1	2.813	2.813	0.000	801519377H	5.00	4.71	
2	3.538	3.540	-0.002	565052570H	5.00	4.77	
						RPD = 1.32	
8 delta-BHC							
1	2.967	2.967	0.000	1007799810H	5.00	4.80	
2	3.472	3.475	-0.003	626407502H	5.00	4.84	
						RPD = 0.71	
9 Aldrin							
1	3.093	3.092	0.001	838529225H	5.00	4.75	
2	3.823	3.825	-0.002	543386614H	5.00	4.64	
						RPD = 2.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.587	3.585	0.002	791614975H	5.06	4.77	
2	4.192	4.193	-0.001	515308891H	5.06	4.73	
						RPD = 0.83	
12 trans-Chlordane							
1	3.787	3.787	0.000	794514348H	5.00	4.74	
2	4.448	4.450	-0.002	551018807H	5.00	4.77	
						RPD = 0.55	
14 cis-Chlordane							
1	3.868	3.868	0.000	811890941H	5.00	4.72	
2	4.487	4.490	-0.003	539453846H	5.00	4.76	
						RPD = 0.84	
15 Endosulfan I							
1	3.912	3.910	0.002	765935579H	5.00	4.73	
2	4.515	4.518	-0.003	491175825H	5.00	4.68	
						RPD = 1.06	
16 4,4'-DDE							
1	4.052	4.050	0.002	1691306720H	10.0	9.68	
2	4.610	4.613	-0.003	1089121567H	10.0	9.39	
						RPD = 3.08	
17 Dieldrin							
1	4.148	4.148	0.000	1663206597H	10.0	9.48	
2	4.715	4.718	-0.003	1075468639H	10.0	9.53	
						RPD = 0.44	
19 Endrin							
1	4.400	4.398	0.002	1491127482H	10.0	9.18	
2	4.888	4.892	-0.004	975050442H	10.0	9.21	
						RPD = 0.34	
22 4,4'-DDD							
1	4.513	4.512	0.001	1389852184H	10.1	10.2	
2	5.000	5.002	-0.002	889546307H	10.1	9.48	
						RPD = 6.92	
23 Endosulfan II							
1	4.612	4.610	0.002	1479238032H	10.0	9.32	
2	5.087	5.088	-0.001	941224144H	10.0	9.60	
						RPD = 2.97	
24 4,4'-DDT							
1	4.722	4.720	0.002	1259640190H	10.1	9.60	
2	5.223	5.225	-0.002	829279034H	10.1	9.54	
						RPD = 0.56	
25 Endrin aldehyde							
1	4.787	4.785	0.002	1315901779H	10.0	9.67	
2	5.167	5.168	-0.001	783406726H	10.0	9.35	
						RPD = 3.42	
26 Endosulfan sulfate							
1	4.937	4.937	0.000	1550148098H	10.0	9.67	
2	5.372	5.373	-0.001	947925857H	10.0	9.58	
						RPD = 0.96	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.228	5.228	0.000	3250378051	50.0	48.7	H
2	5.537	5.538	-0.001	2181004852	50.0	47.6	H
						RPD = 2.24	
29 Endrin ketone							
1	5.368	5.368	0.000	1615077424	10.0	9.68	H
2	5.667	5.668	-0.001	1017179140	10.0	9.70	H
						RPD = 0.19	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.130	6.130	0.000	3275209682	20.0	18.9	H
2	6.640	6.643	-0.003	1636137974	20.0	18.9	H
						RPD = 0.03	
S 32 Total DDTs							
1						9.54	
2						9.60	
						RPD = 0.56	
S 33 Endosulfan, Total							
1						14.3	
2						14.0	
						RPD = 1.63	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCS_MIXA3_00003 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 11:52:04 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.006.D

Injection Date: 21-Jun-2021 10:07:00 Instrument ID: 9191

Lims ID: ic mixa3

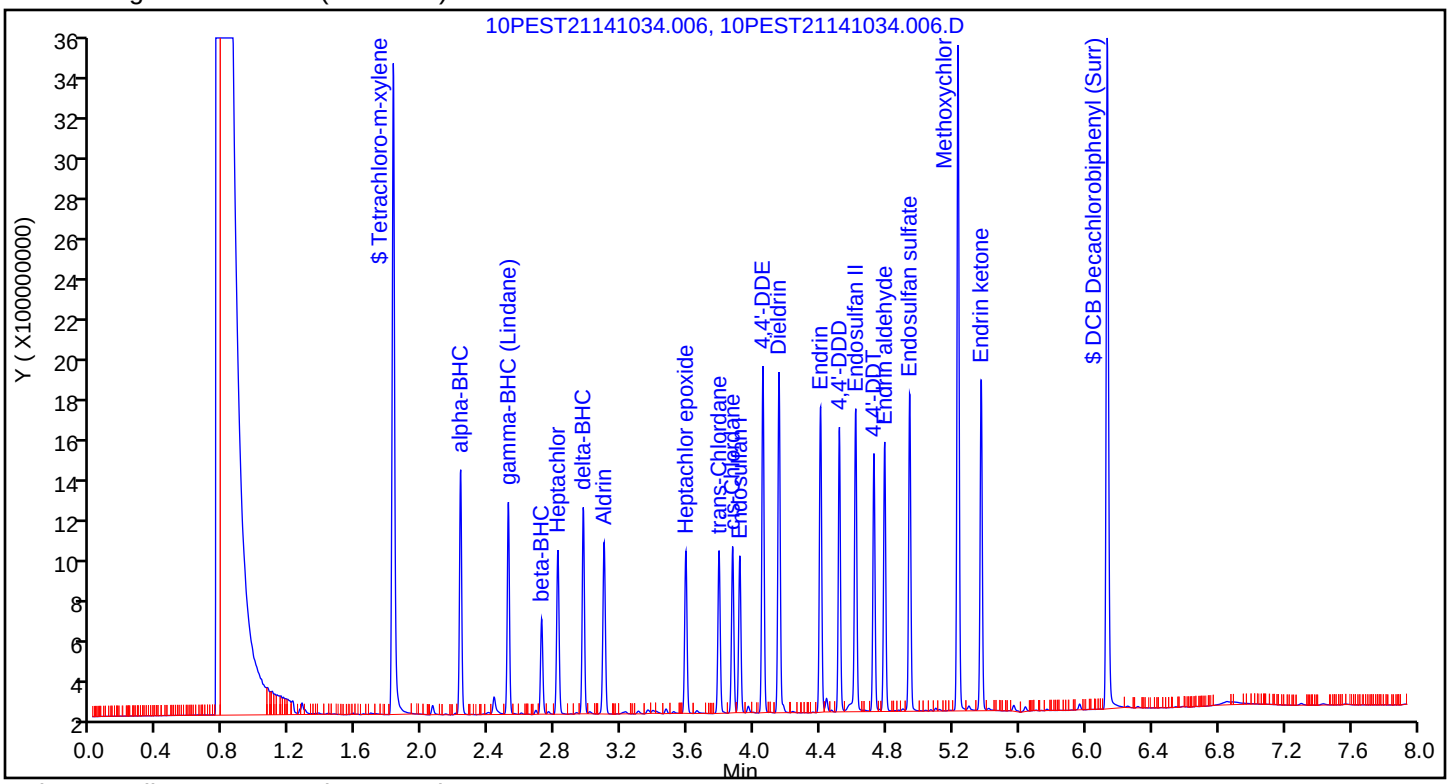
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 6

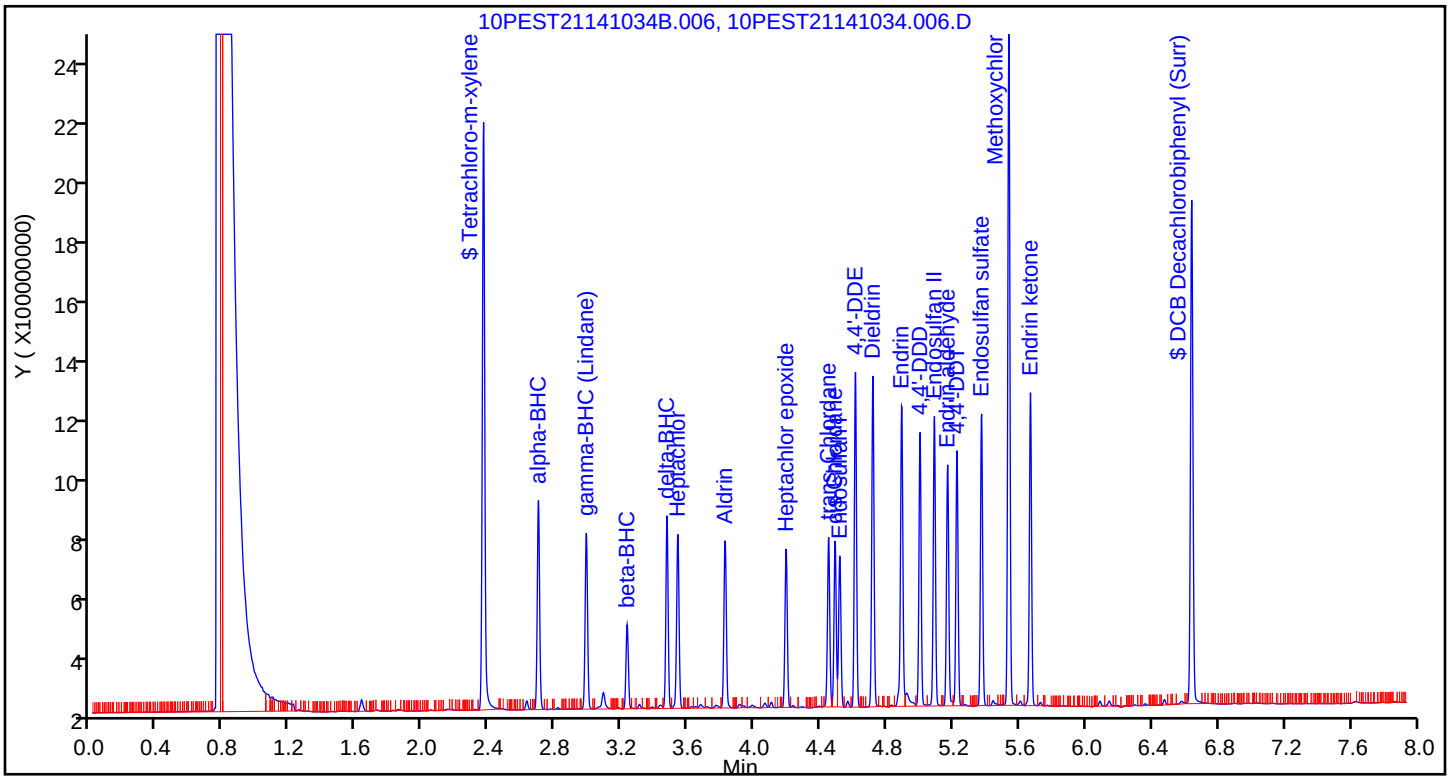
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D
Lims ID: icrt mixa4
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 21-Jun-2021 10:19:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt a4
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 11:52:44 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

First Level Reviewer: dalea Date: 21-Jun-2021 11:44:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.820	1.820	0.000	6947797936H	40.0	42.0	
2	2.367	2.367	0.000	4165506683H	40.0	41.6	
						RPD = 1.08	
3 alpha-BHC							
1	2.225	2.225	0.000	2666322843H	10.1	10.8	
2	2.698	2.698	0.000	1493405774H	10.1	10.5	
						RPD = 3.01	
4 gamma-BHC (Lindane)							
1	2.513	2.513	0.000	2258488614H	10.0	10.5	
2	2.987	2.987	0.000	1224252321H	10.0	9.98	
						RPD = 5.16	
6 beta-BHC							
1	2.715	2.715	0.000	963051123H	10.0	9.69	
2	3.235	3.235	0.000	567353147H	10.0	9.68	
						RPD = 0.11	
7 Heptachlor							
1	2.813	2.813	0.000	1737889717H	10.0	10.2	
2	3.540	3.540	0.000	1178671378H	10.0	9.96	
						RPD = 2.55	
8 delta-BHC							
1	2.967	2.967	0.000	2261698836H	10.0	10.8	
2	3.475	3.475	0.000	1339223839H	10.0	10.3	
						RPD = 4.14	
9 Aldrin							
1	3.092	3.092	0.000	1859031973H	10.0	10.5	
2	3.825	3.825	0.000	1185980147H	10.0	10.1	
						RPD = 4.06	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.585	3.585	0.000	1763523008H	10.1	10.6	
2	4.193	4.193	0.000	1098741053H	10.1	10.1	
						RPD = 5.21	
12 trans-Chlordane							M
1	3.787	3.787	0.000	1745343016H	10.0	10.4	
2	4.450	4.450	0.000	1166529493H	10.0	10.1	M
						RPD = 3.14	
14 cis-Chlordane							M
1	3.868	3.868	0.000	1797873708H	10.0	10.5	
2	4.490	4.490	0.000	1126917382H	10.0	9.95	M
						RPD = 4.99	
15 Endosulfan I							M
1	3.910	3.910	0.000	1659199712H	10.0	10.2	
2	4.518	4.518	0.000	1047830647H	10.0	9.98	M
						RPD = 2.60	
16 4,4'-DDE							M
1	4.050	4.050	0.000	3620184185H	20.0	20.7	
2	4.613	4.613	0.000	2381005351H	20.0	20.5	M
						RPD = 0.96	
17 Dieldrin							M
1	4.148	4.148	0.000	3764016779H	20.0	21.5	
2	4.718	4.718	0.000	2311588840H	20.0	20.5	M
						RPD = 4.71	
19 Endrin							M
1	4.398	4.398	0.000	3393936052H	20.0	20.9	
2	4.892	4.892	0.000	2151408108H	20.0	20.3	M
						RPD = 2.77	
22 4,4'-DDD							M
1	4.512	4.512	0.000	2928177233H	20.1	21.4	
2	5.002	5.002	0.000	1933330989H	20.1	20.6	M
						RPD = 3.81	
23 Endosulfan II							M
1	4.610	4.610	0.000	3262593077H	20.0	20.6	
2	5.088	5.088	0.000	1970145545H	20.0	20.1	M
						RPD = 2.26	
24 4,4'-DDT							M
1	4.720	4.720	0.000	2814405377H	20.1	21.4	
2	5.225	5.225	0.000	1792144066H	20.1	20.6	M
						RPD = 3.89	
25 Endrin aldehyde							M
1	4.785	4.785	0.000	2843559168H	20.0	20.9	
2	5.168	5.168	0.000	1606522567H	20.0	19.2	M
						RPD = 8.65	
26 Endosulfan sulfate							M
1	4.937	4.937	0.000	3294917597H	20.0	20.6	
2	5.373	5.373	0.000	1927729934H	20.0	19.5	M
						RPD = 5.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							M
1	5.228	5.228	0.000	6866266499H	100.0	102.9	
2	5.538	5.538	0.000	4686076183H	100.0	102.3	M
						RPD = 0.54	
29 Endrin ketone							M
1	5.368	5.368	0.000	3434398471H	20.0	20.6	
2	5.668	5.668	0.000	2127002133H	20.0	20.3	M
						RPD = 1.49	
$ 31 DCB Decachlorobiphenyl (Surr)							M
1	6.130	6.130	0.000	7001683599H	40.0	40.4	
2	6.643	6.643	0.000	3348893992H	40.0	38.7	M
						RPD = 4.38	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

gcs_mixa4dil_00001 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 11:52:45 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D

Injection Date: 21-Jun-2021 10:19:00 Instrument ID: 9191

Lims ID: icrt mixa4

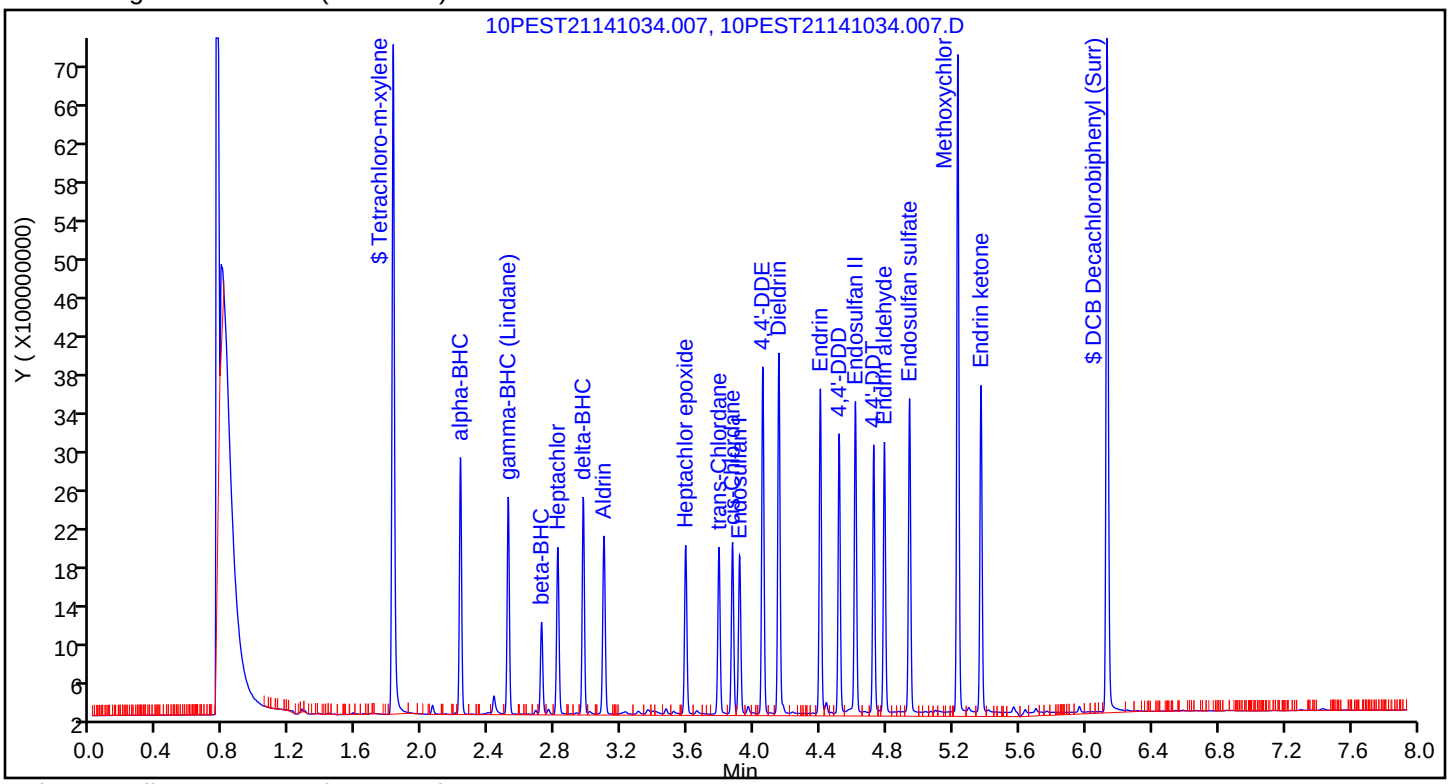
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

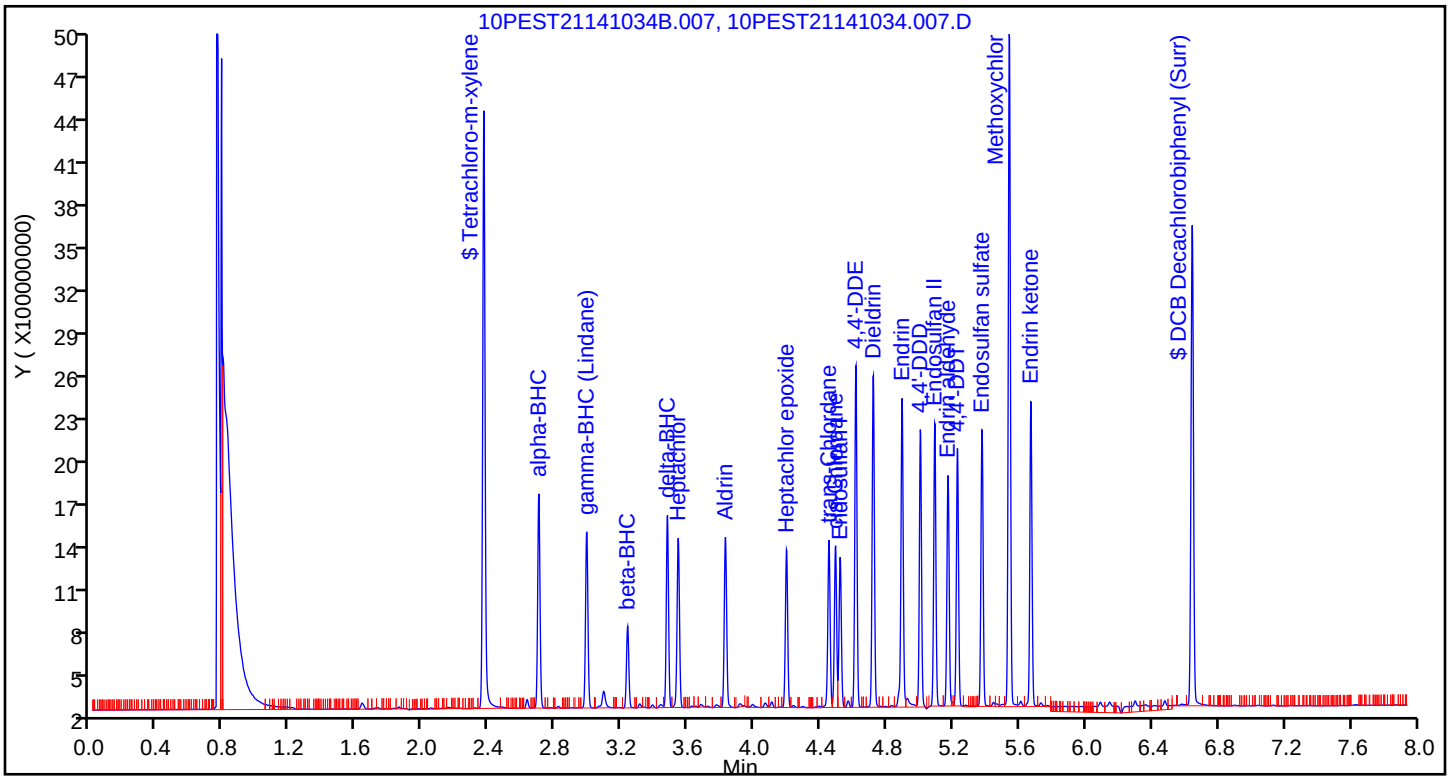
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.008.D
Lims ID: ic mixa5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Jun-2021 10:32:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a5
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 11:52:59 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.820	0.003	9815626666H	60.9	59.3	
2	2.372	2.367	0.005	5964624412H	60.9	59.5	
						RPD = 0.27	
3 alpha-BHC							
1	2.230	2.225	0.005	3872056660H	15.4	15.7	
2	2.703	2.698	0.005	2128101750H	15.4	14.9	
						RPD = 4.90	
4 gamma-BHC (Lindane)							
1	2.518	2.513	0.005	3283387137H	15.2	15.3	
2	2.992	2.987	0.005	1777533925H	15.2	14.5	
						RPD = 5.28	
6 beta-BHC							
1	2.720	2.715	0.005	1398065863H	15.2	14.1	
2	3.238	3.235	0.003	800993463H	15.2	13.7	
						RPD = 2.90	
7 Heptachlor							
1	2.818	2.813	0.005	2533459794H	15.2	14.9	
2	3.545	3.540	0.005	1727222115H	15.2	14.6	
						RPD = 2.03	
8 delta-BHC							
1	2.972	2.967	0.005	3301736462H	15.2	15.7	
2	3.478	3.475	0.003	1932908951H	15.2	14.9	
						RPD = 5.28	
9 Aldrin							
1	3.097	3.092	0.005	2742171640H	15.2	15.5	
2	3.830	3.825	0.005	1778148110H	15.2	15.2	
						RPD = 2.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.590	3.585	0.005	2525947523H	15.4	15.2	
2	4.198	4.193	0.005	1602581163H	15.4	14.7	
						RPD = 3.40	
12 trans-Chlordane							
1	3.790	3.787	0.003	2541208298H	15.2	15.2	
2	4.455	4.450	0.005	1645850567H	15.2	14.2	
						RPD = 6.29	
14 cis-Chlordane							
1	3.872	3.868	0.004	2581513265H	15.2	15.0	
2	4.493	4.490	0.003	1615196273H	15.2	14.3	
						RPD = 5.17	
15 Endosulfan I							
1	3.915	3.910	0.005	2399847154H	15.2	14.8	
2	4.523	4.518	0.005	1515514522H	15.2	14.4	
						RPD = 2.60	
16 4,4'-DDE							
1	4.055	4.050	0.005	5384923968H	30.4	30.8	
2	4.617	4.613	0.004	3477113350H	30.4	30.0	
						RPD = 2.80	
17 Dieldrin							
1	4.153	4.148	0.005	5464415293H	30.4	31.2	
2	4.723	4.718	0.005	3353624587H	30.4	29.7	
						RPD = 4.78	
19 Endrin							
1	4.402	4.398	0.004	4891359645H	30.4	30.1	
2	4.897	4.892	0.005	3060740835H	30.4	28.9	
						RPD = 4.06	
22 4,4'-DDD							
1	4.517	4.512	0.005	4341624394H	30.6	31.8	
2	5.007	5.002	0.005	2666793080H	30.6	28.4	
						RPD = 11.03	
23 Endosulfan II							
1	4.615	4.610	0.005	4698835403H	30.4	29.6	
2	5.093	5.088	0.005	2799261992H	30.4	28.6	
						RPD = 3.62	
24 4,4'-DDT							
1	4.725	4.720	0.005	4043754523H	30.6	30.8	
2	5.230	5.225	0.005	2545070401H	30.6	29.3	
						RPD = 5.06	
25 Endrin aldehyde							
1	4.790	4.785	0.005	4031356080H	30.4	29.6	
2	5.173	5.168	0.005	2410628487H	30.4	28.8	
						RPD = 2.97	
26 Endosulfan sulfate							
1	4.942	4.937	0.005	4815184546H	30.4	30.1	
2	5.378	5.373	0.005	2838422602H	30.4	28.7	
						RPD = 4.63	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.233	5.228	0.005	9390623827H	152.0	140.7	
2	5.543	5.538	0.005	6689351468H	152.0	146.1	
						RPD = 3.74	
29 Endrin ketone							
1	5.373	5.368	0.005	5064454142H	30.4	30.4	
2	5.675	5.668	0.007	3038003253H	30.4	29.0	
						RPD = 4.68	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.133	6.130	0.003	10031101005H	60.8	57.9	
2	6.647	6.643	0.004	5072685380H	60.8	58.6	
						RPD = 1.19	
S 32 Total DDTs							
1						29.3	
2						30.8	
						RPD = 5.06	
S 33 Endosulfan, Total							
1						43.0	
2						44.4	
						RPD = 3.28	

Reagents:

GCS_MIXA5_00004 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 11:52:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.008.D

Injection Date: 21-Jun-2021 10:32:00 Instrument ID: 9191

Lims ID: ic mixa5

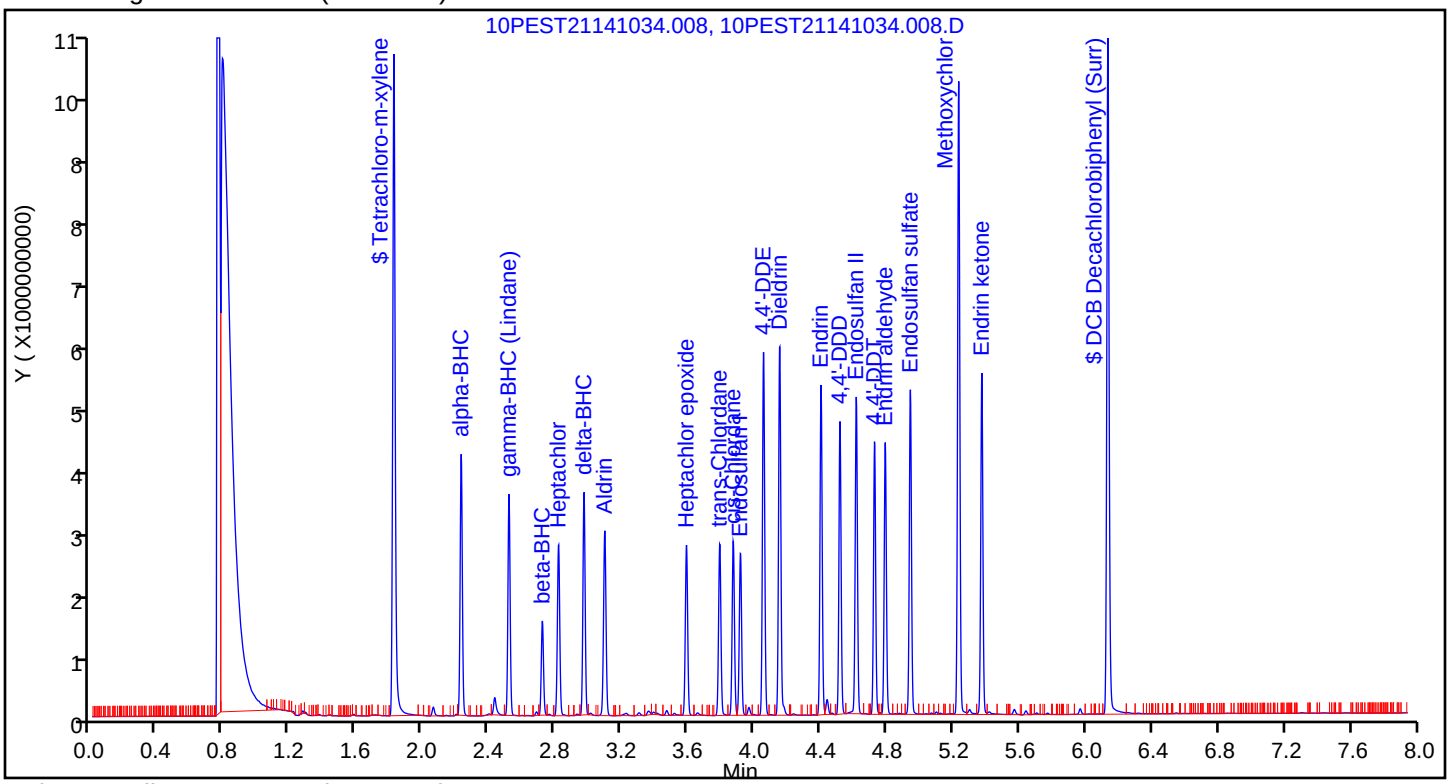
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 8

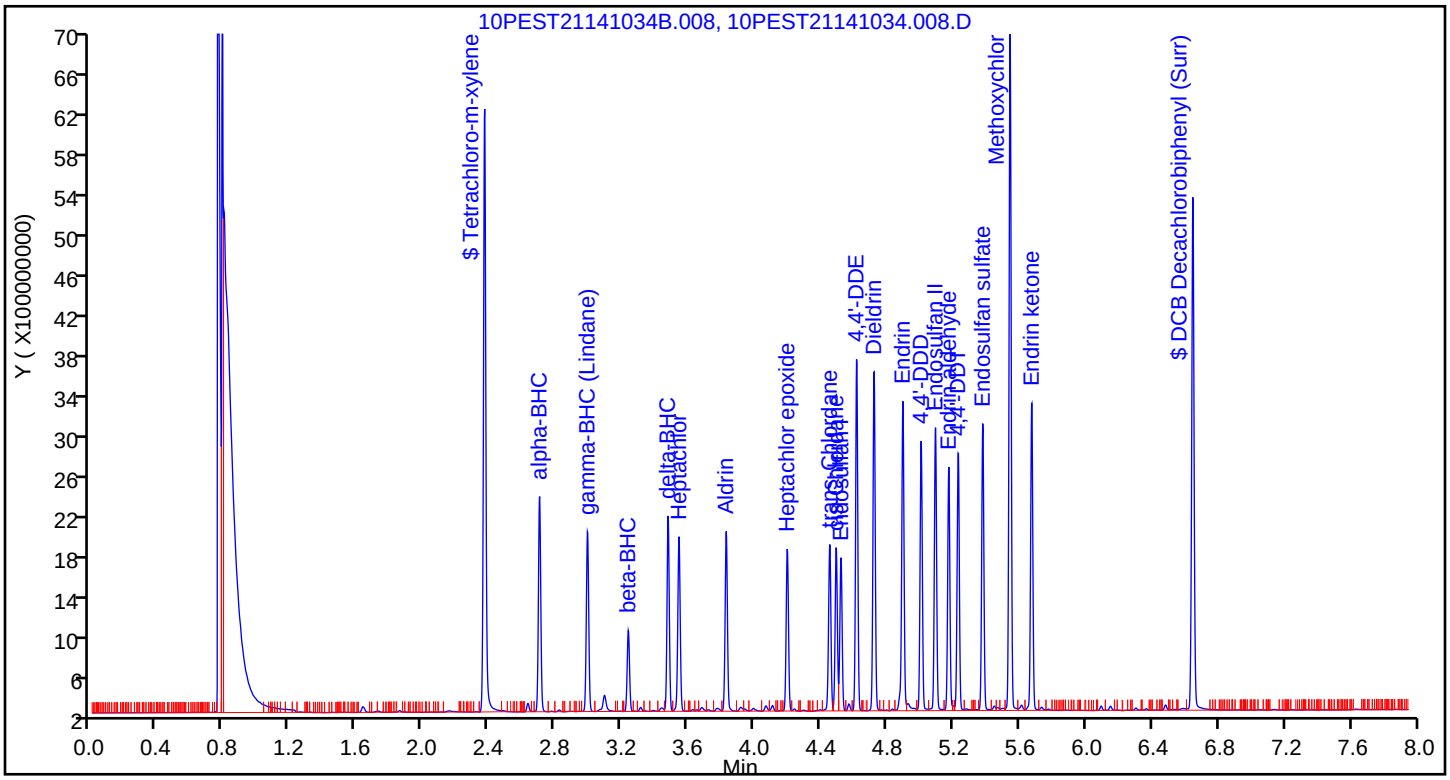
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D
Lims ID: ic mixa6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Jun-2021 10:44:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a6
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 11:53:08 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.820	0.003	12794082025H	80.1	77.4	
2	2.367	2.367	0.000	7691886155H	80.1	76.7	
						RPD = 0.80	
3 alpha-BHC							
1	2.230	2.225	0.005	5138069386H	20.3	20.8	
2	2.700	2.698	0.002	2876005518H	20.3	20.2	
						RPD = 3.08	
4 gamma-BHC (Lindane)							
1	2.518	2.513	0.005	4320451628H	20.0	20.1	
2	2.988	2.987	0.001	2375560557H	20.0	19.4	
						RPD = 3.73	
6 beta-BHC							
1	2.720	2.715	0.005	1818914394H	20.0	18.3	
2	3.235	3.235	0.000	1042454742H	20.0	17.8	
						RPD = 2.87	
7 Heptachlor							
1	2.817	2.813	0.004	3282967362H	20.0	19.3	
2	3.542	3.540	0.002	2200768984H	20.0	18.6	
						RPD = 3.71	
8 delta-BHC							
1	2.972	2.967	0.005	4280472121H	20.0	20.4	
2	3.475	3.475	0.000	2487330535H	20.0	19.2	
						RPD = 6.02	
9 Aldrin							
1	3.097	3.092	0.005	3580725597H	20.0	20.3	
2	3.827	3.825	0.002	2221041865H	20.0	19.0	
						RPD = 6.87	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.590	3.585	0.005	3294956865H	20.3	19.9	
2	4.195	4.193	0.002	2048171106H	20.3	18.8	
						RPD = 5.44	
12 trans-Chlordane							
1	3.790	3.787	0.003	3323788015H	20.0	19.8	
2	4.452	4.450	0.002	2155437712H	20.0	18.7	
						RPD = 6.16	
14 cis-Chlordane							
1	3.872	3.868	0.004	3340436514H	20.0	19.4	
2	4.490	4.490	0.000	2091184809H	20.0	18.5	
						RPD = 5.12	
15 Endosulfan I							
1	3.915	3.910	0.005	3174229758H	20.0	19.6	
2	4.518	4.518	0.000	1928805022H	20.0	18.4	
						RPD = 6.45	
16 4,4'-DDE							
1	4.055	4.050	0.005	7034848405H	40.0	40.3	
2	4.613	4.613	0.000	4631988045H	40.0	39.9	
						RPD = 0.85	
17 Dieldrin							
1	4.152	4.148	0.004	7141397361H	40.0	40.7	
2	4.718	4.718	0.000	4421168301H	40.0	39.2	
						RPD = 3.91	
19 Endrin							
1	4.402	4.398	0.004	6209700970H	40.0	38.2	
2	4.893	4.892	0.001	3868591466H	40.0	36.5	
						RPD = 4.50	
22 4,4'-DDD							
1	4.517	4.512	0.005	5646697700H	40.3	41.3	
2	5.003	5.002	0.001	3629974982H	40.3	38.7	
						RPD = 6.48	
23 Endosulfan II							
1	4.615	4.610	0.005	6168138363H	40.0	38.9	
2	5.090	5.088	0.002	3682303366H	40.0	37.6	
						RPD = 3.41	
24 4,4'-DDT							
1	4.725	4.720	0.005	5241532360H	40.3	39.9	
2	5.227	5.225	0.002	3452887315H	40.3	39.7	
						RPD = 0.50	
25 Endrin aldehyde							
1	4.790	4.785	0.005	5177780996H	40.0	38.1	
2	5.170	5.168	0.002	3124203606H	40.0	37.3	
						RPD = 2.07	
26 Endosulfan sulfate							
1	4.942	4.937	0.005	6117800071H	40.0	38.2	
2	5.375	5.373	0.002	3605232620H	40.0	36.4	
						RPD = 4.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.233	5.228	0.005	11945152843H	200.0	179.0	
2	5.540	5.538	0.002	8378414978H	200.0	182.9	
						RPD = 2.19	
29 Endrin ketone							
1	5.372	5.368	0.004	6258666900H	40.0	37.5	
2	5.670	5.668	0.002	3848001442H	40.0	36.7	
						RPD = 2.22	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.133	6.130	0.003	12697334089H	80.0	73.3	
2	6.643	6.643	0.000	6163804348H	80.0	71.2	
						RPD = 2.90	
S 32 Total DDTs							
1						39.7	
2						39.9	
						RPD = 0.50	
S 33 Endosulfan, Total							
1						55.9	
2						58.5	
						RPD = 4.42	

Reagents:

GCS_MIXA6_00003 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 11:53:08 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Injection Date: 21-Jun-2021 10:44:00 Instrument ID: 9191

Lims ID: ic mixa6

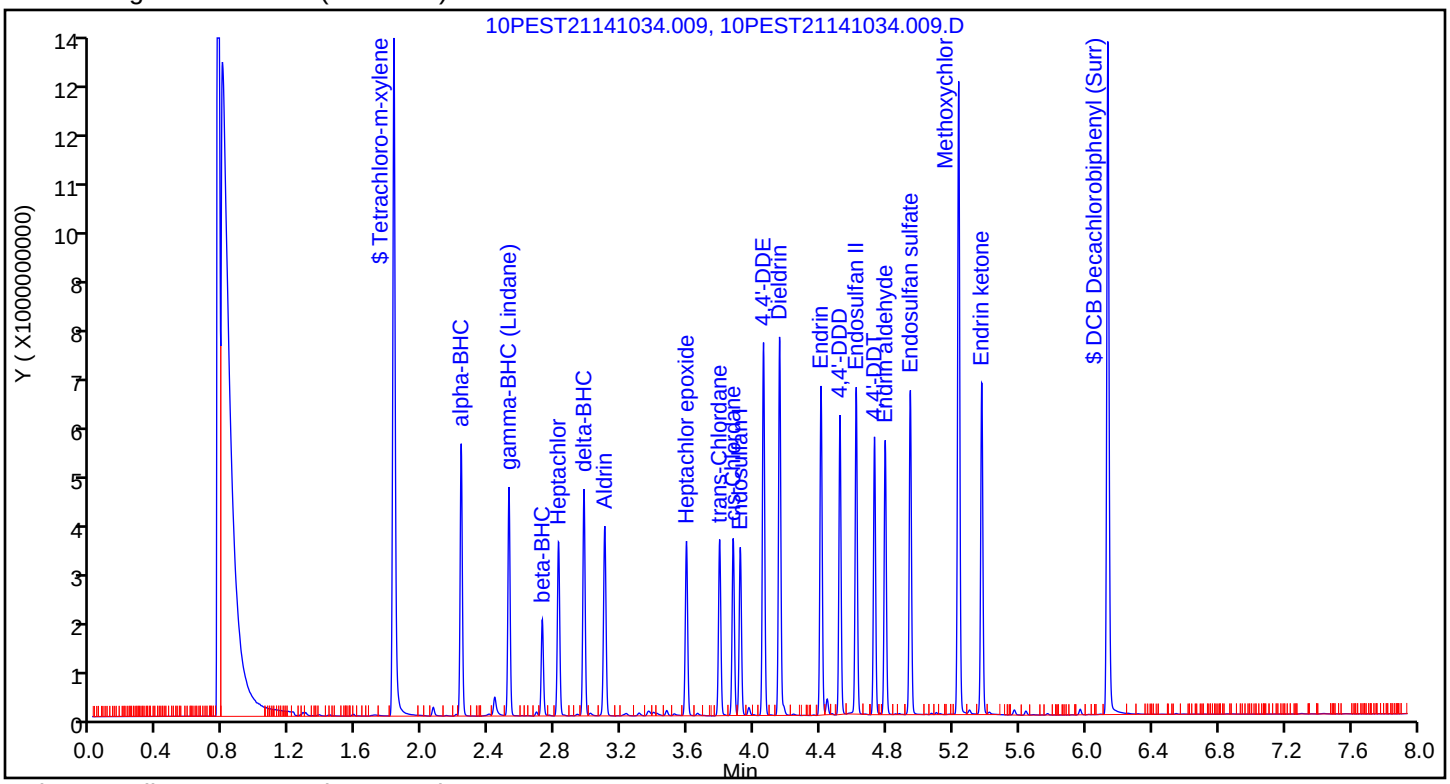
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 9

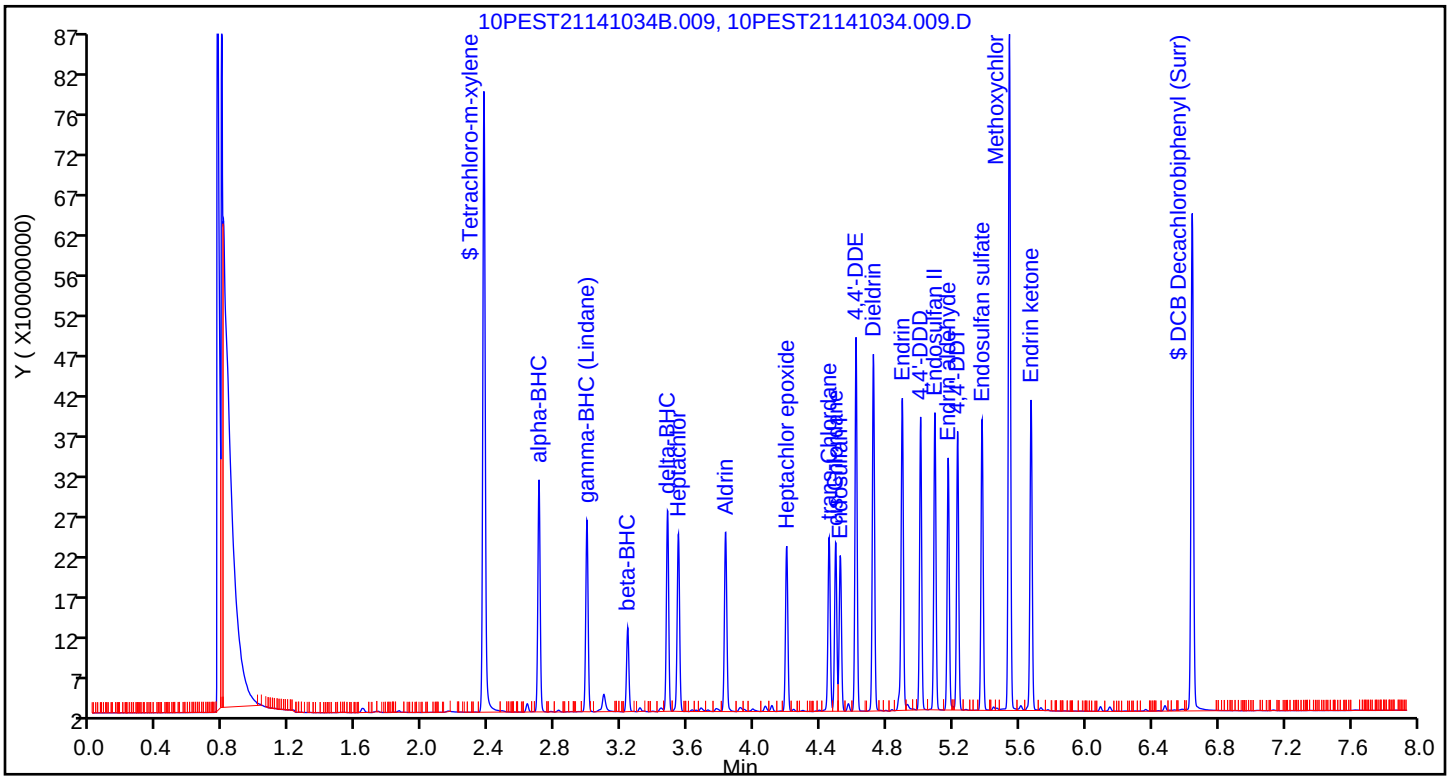
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Calibration / Tetrachloro-m-xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

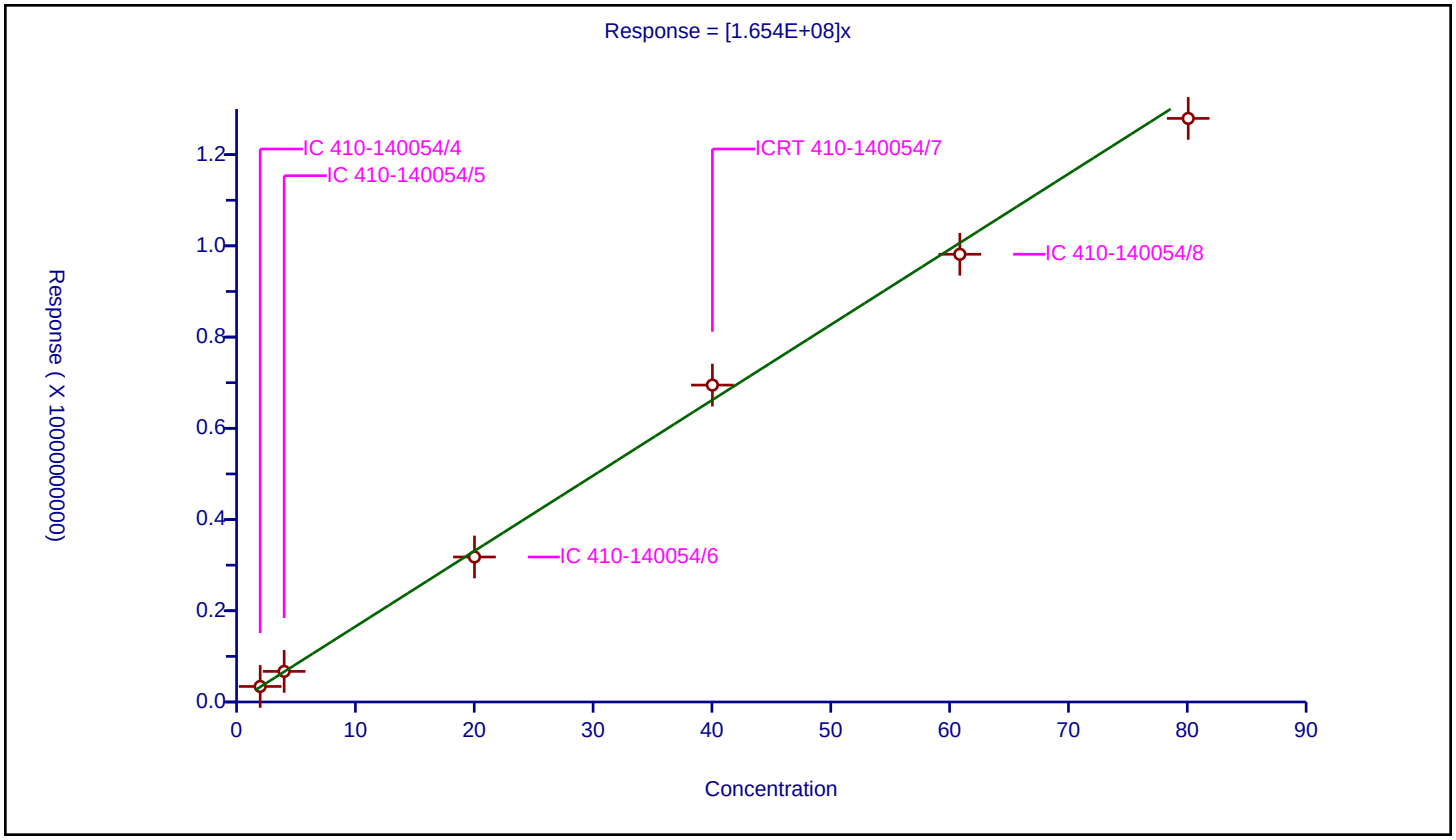
Curve Coefficients

Intercept:	0
Slope:	1.654E+08

Error Coefficients

Standard Error:	279000000
Relative Standard Error:	3.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	1.985984	340429907.0			171416238.499404	Y
2	IC 410-140054/5	4.004	671036037.0			167591417.832168	Y
3	IC 410-140054/6	20.02	3178672100.0			158774830.16983	Y
4	ICRT 410-140054/7	40.04	6947797936.0			173521426.973027	Y
5	IC 410-140054/8	60.8608	9815626666.0			161279948.111099	Y
6	IC 410-140054/9	80.08	12794082025.0			159766259.053447	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

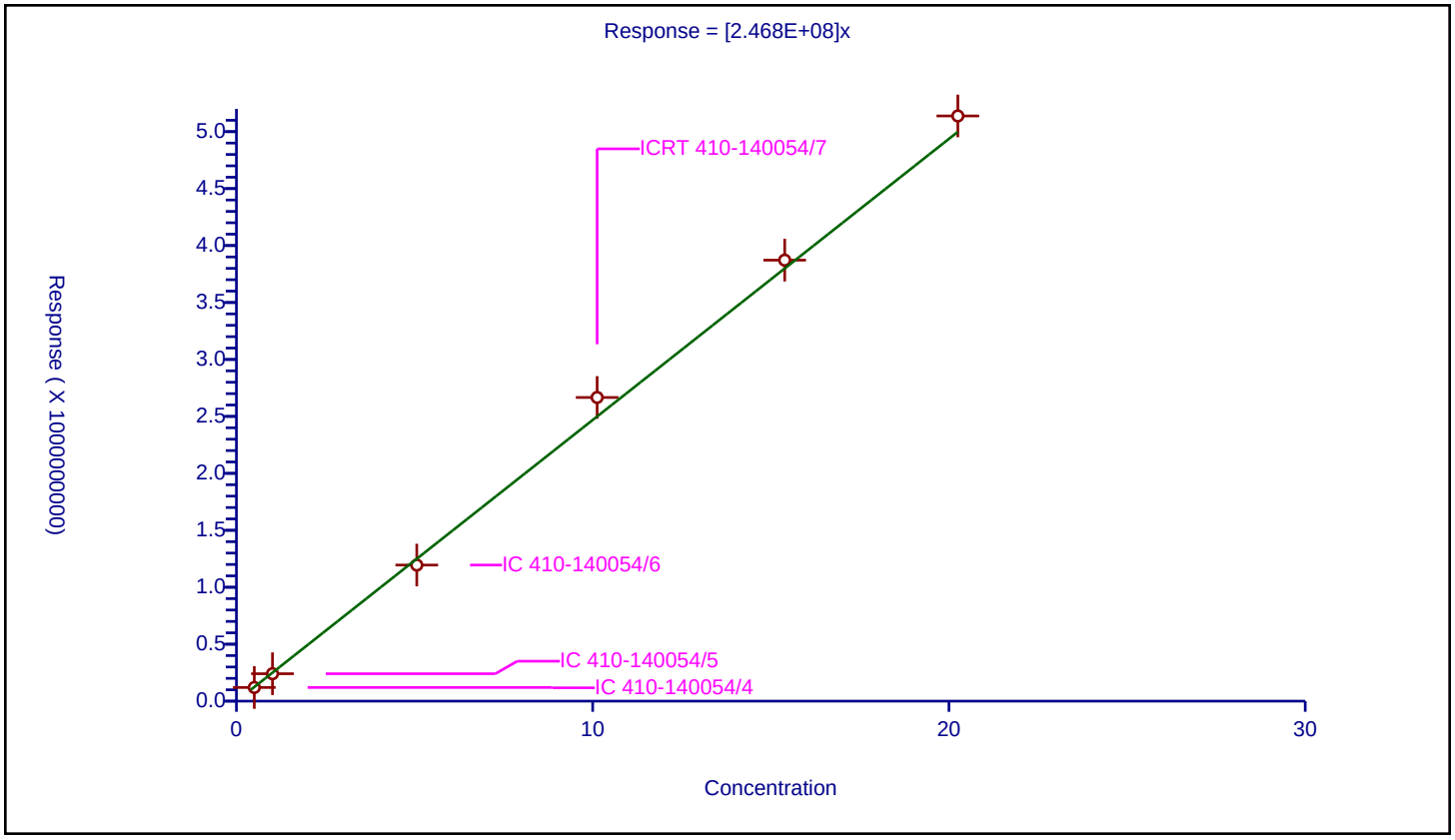
Curve Coefficients

Intercept:	0
Slope:	2.468E+08

Error Coefficients

Standard Error:	106000000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.5022	119831060.0			238612226.204699	Y
2	IC 410-140054/5	1.0125	240743924.0			237771776.790123	Y
3	IC 410-140054/6	5.0625	1194773415.0			236004625.185185	Y
4	ICRT 410-140054/7	10.125	2666322843.0			263340527.703704	Y
5	IC 410-140054/8	15.39	3872056660.0			251595624.431449	Y
6	IC 410-140054/9	20.25	5138069386.0			253731821.530864	Y



Calibration / gamma-BHC (Lindane)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

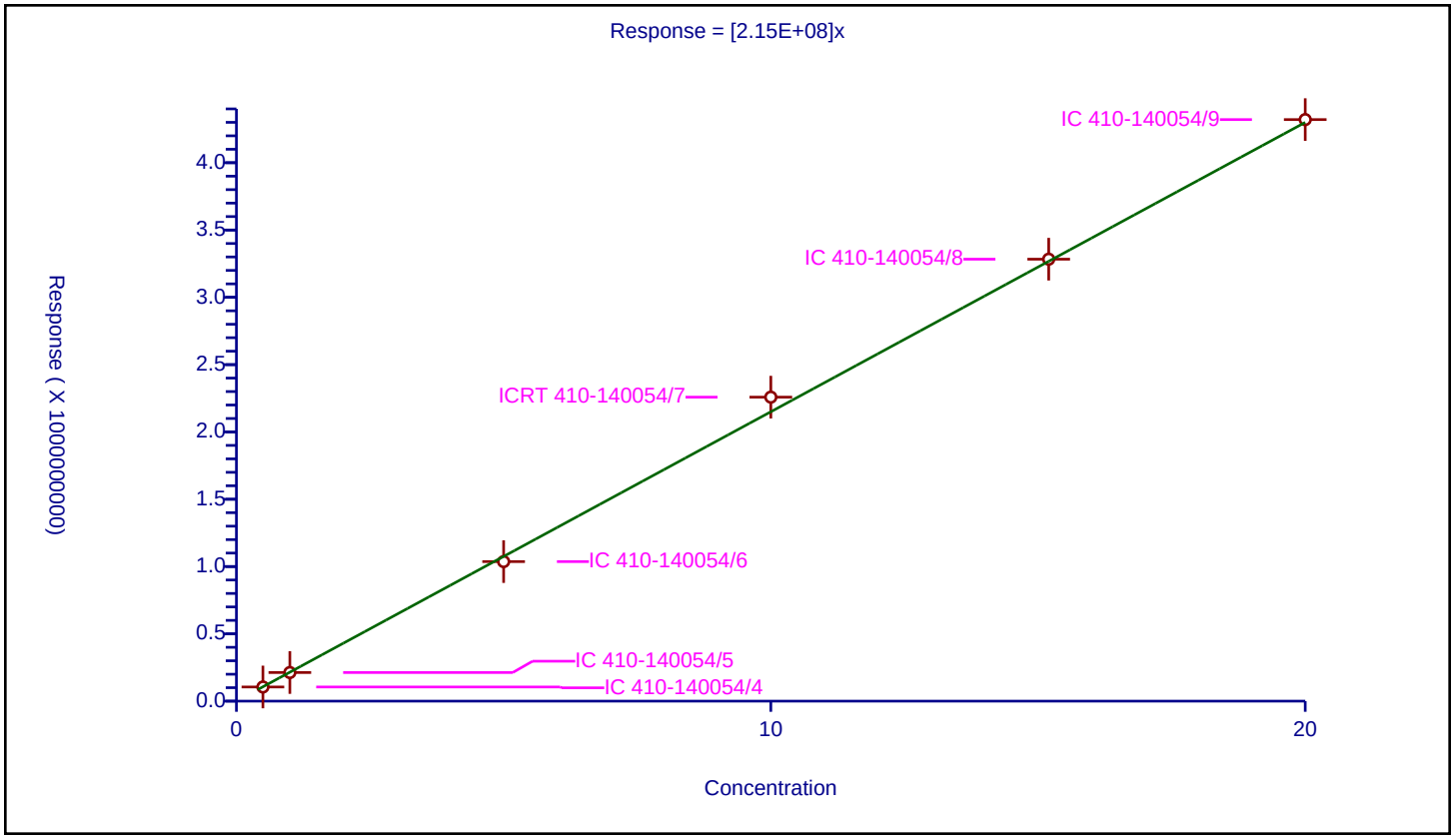
Curve Coefficients

Intercept:	0
Slope:	2.15E+08

Error Coefficients

Standard Error:	52800000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	105244880.0			212187258.064516	Y
2	IC 410-140054/5	1.0	212519304.0			212519304.0	Y
3	IC 410-140054/6	5.0	1036704090.0			207340818.0	Y
4	ICRT 410-140054/7	10.0	2258488614.0			225848861.4	Y
5	IC 410-140054/8	15.2	3283387137.0			216012311.644737	Y
6	IC 410-140054/9	20.0	4320451628.0			216022581.4	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

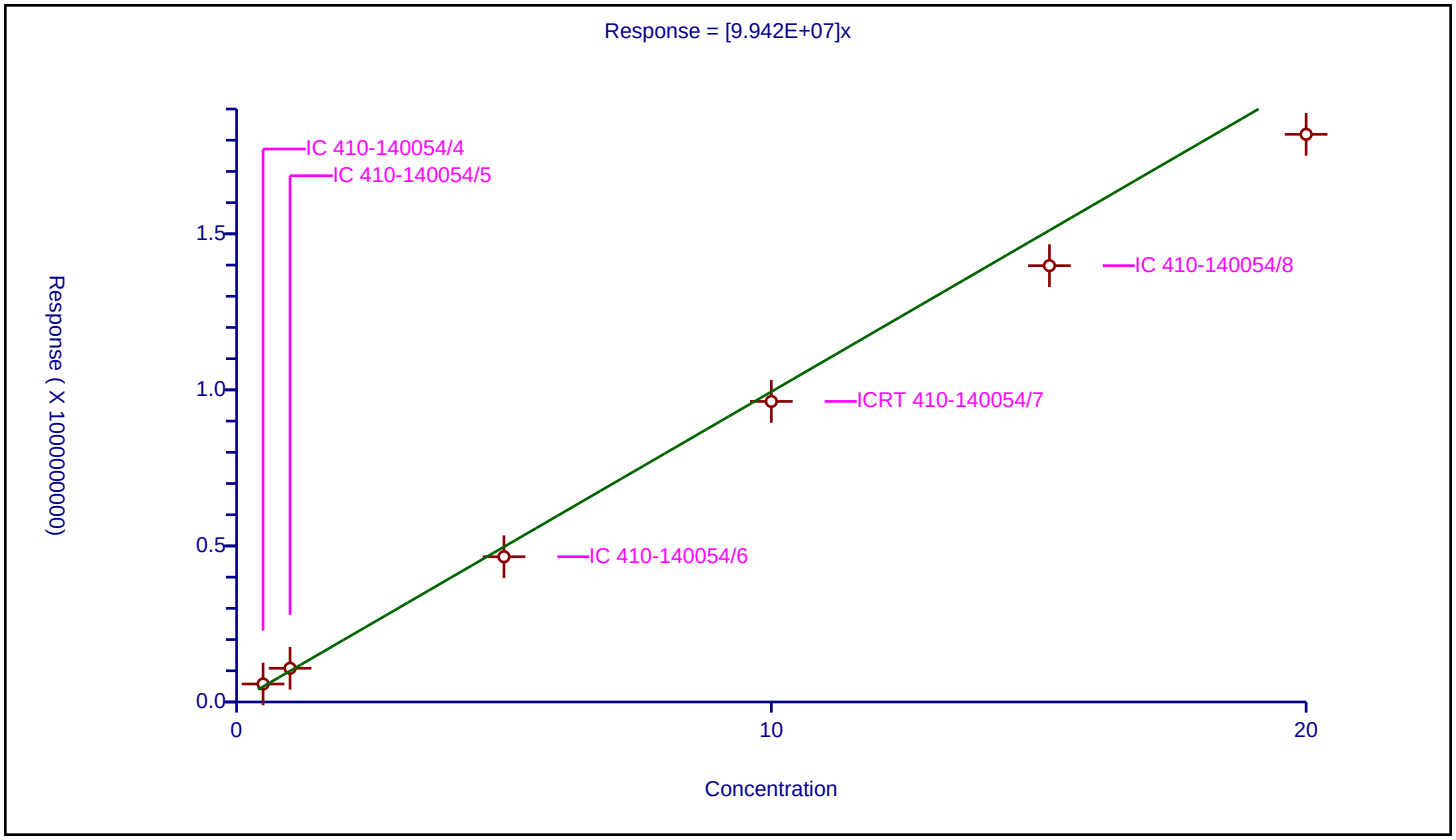
Curve Coefficients

Intercept:	0
Slope:	9.942E+07

Error Coefficients

Standard Error:	93400000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	57614518.0			116158302.419355	Y
2	IC 410-140054/5	1.0	108040474.0			108040474.0	Y
3	IC 410-140054/6	5.0	465430703.0			93086140.6	Y
4	ICRT 410-140054/7	10.0	963051123.0			96305112.3	Y
5	IC 410-140054/8	15.2	1398065863.0			91978017.302632	Y
6	IC 410-140054/9	20.0	1818914394.0			90945719.7	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

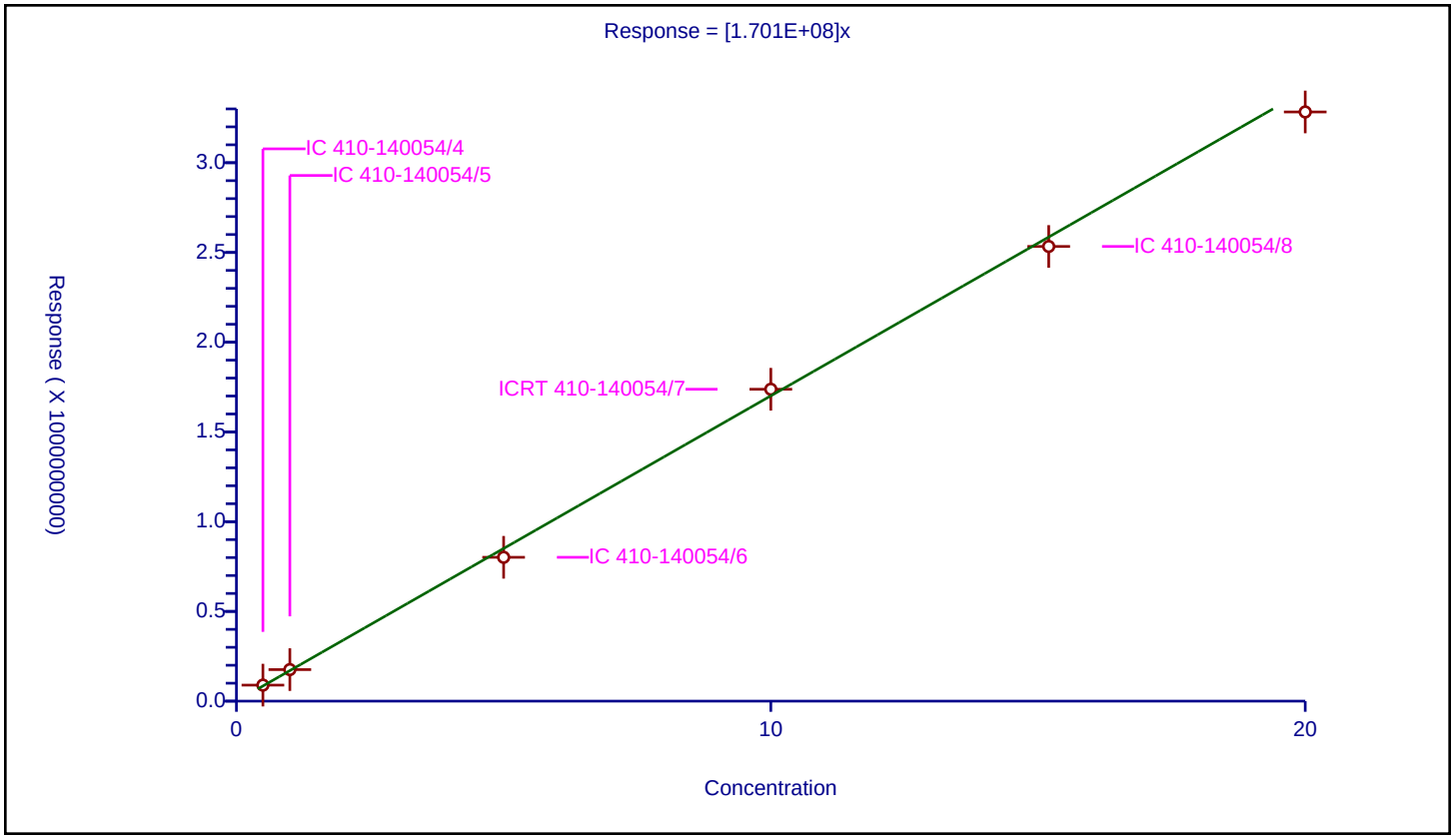
Curve Coefficients

Intercept:	0
Slope:	1.701E+08

Error Coefficients

Standard Error:	64500000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	89279028.0			179998040.322581	Y
2	IC 410-140054/5	1.0	175808539.0			175808539.0	Y
3	IC 410-140054/6	5.0	801519377.0			160303875.4	Y
4	ICRT 410-140054/7	10.0	1737889717.0			173788971.7	Y
5	IC 410-140054/8	15.2	2533459794.0			166674986.447368	Y
6	IC 410-140054/9	20.0	3282967362.0			164148368.1	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

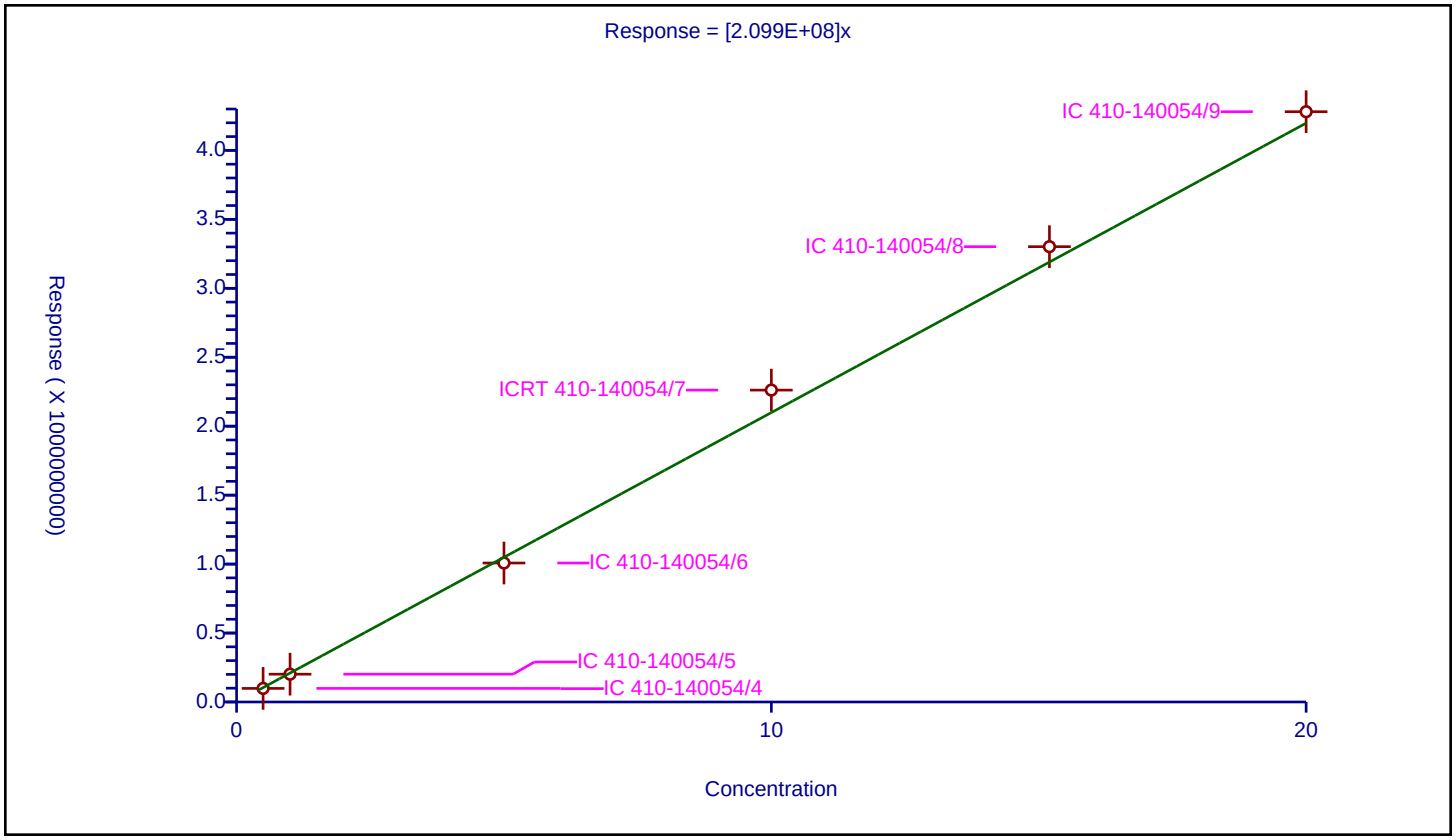
Curve Coefficients

Intercept:	0
Slope:	2.099E+08

Error Coefficients

Standard Error:	97700000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	98548924.0			198687346.774194	Y
2	IC 410-140054/5	1.0	201604145.0			201604145.0	Y
3	IC 410-140054/6	5.0	1007799810.0			201559962.0	Y
4	ICRT 410-140054/7	10.0	2261698836.0			226169883.6	Y
5	IC 410-140054/8	15.2	3301736462.0			217219504.078947	Y
6	IC 410-140054/9	20.0	4280472121.0			214023606.05	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

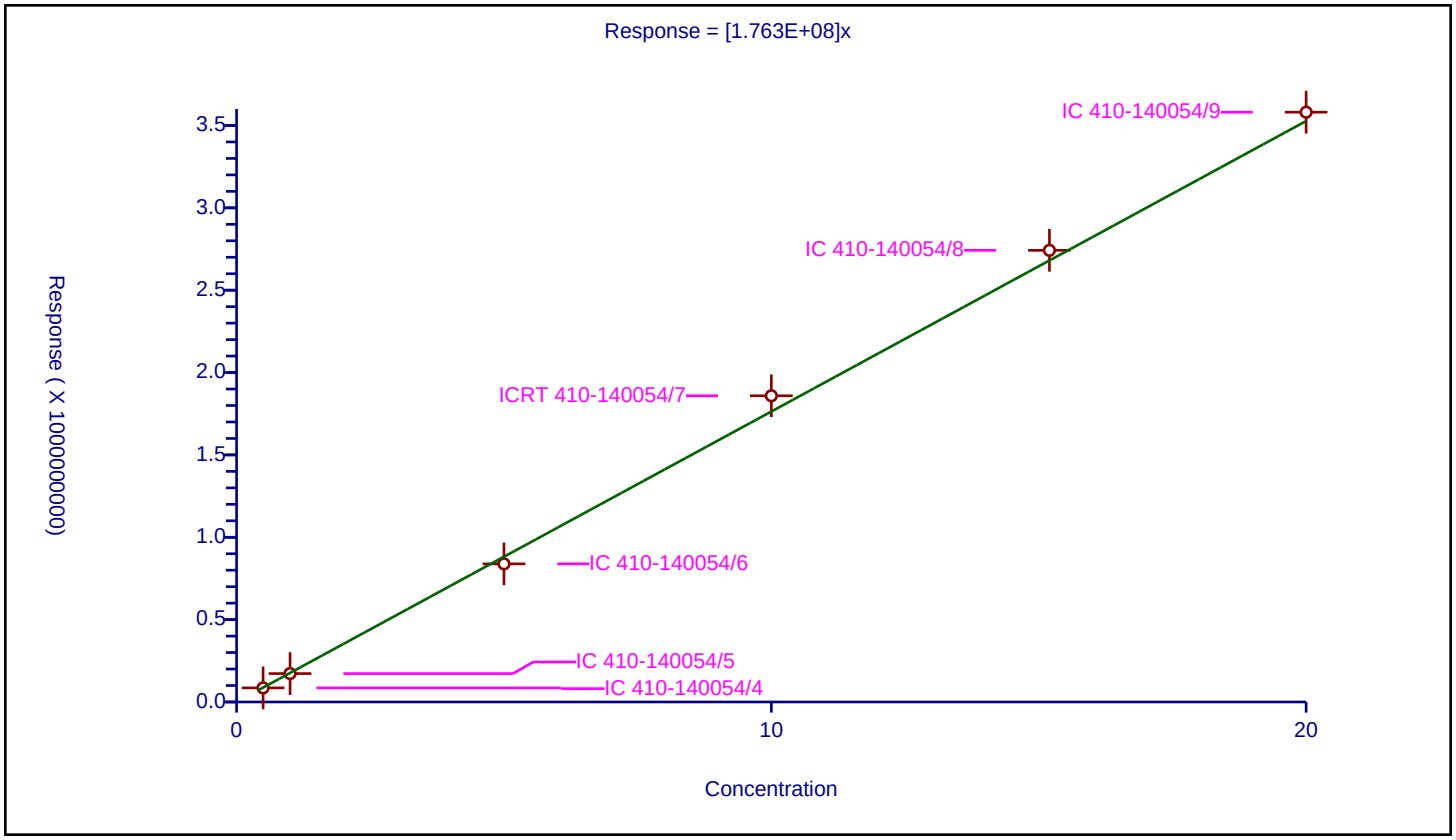
Curve Coefficients

Intercept:	0
Slope:	1.763E+08

Error Coefficients

Standard Error:	59500000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	85563223.0			172506497.983871	Y
2	IC 410-140054/5	1.0	172525331.0			172525331.0	Y
3	IC 410-140054/6	5.0	838529225.0			167705845.0	Y
4	ICRT 410-140054/7	10.0	1859031973.0			185903197.3	Y
5	IC 410-140054/8	15.2	2742171640.0			180406028.947368	Y
6	IC 410-140054/9	20.0	3580725597.0			179036279.85	Y



Calibration / Heptachlor epoxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

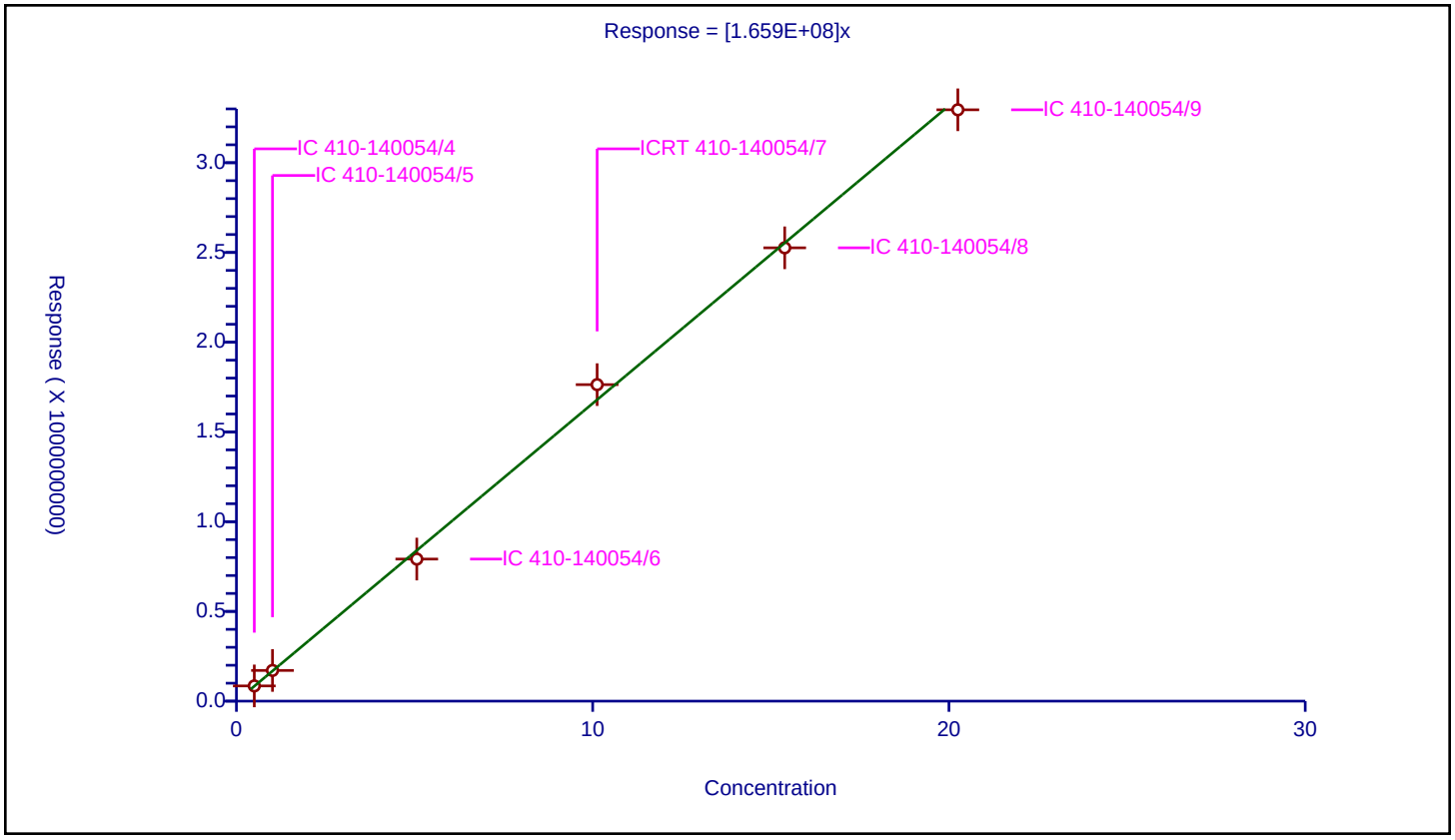
Curve Coefficients

Intercept:	0
Slope:	1.659E+08

Error Coefficients

Standard Error:	53300000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.5022	84867162.0			168990764.635603	Y
2	IC 410-140054/5	1.0125	171033092.0			168921572.345679	Y
3	IC 410-140054/6	5.0625	791614975.0			156368390.123457	Y
4	ICRT 410-140054/7	10.125	1763523008.0			174175111.901235	Y
5	IC 410-140054/8	15.39	2525947523.0			164129143.794672	Y
6	IC 410-140054/9	20.25	3294956865.0			162713919.259259	Y



Calibration / trans-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

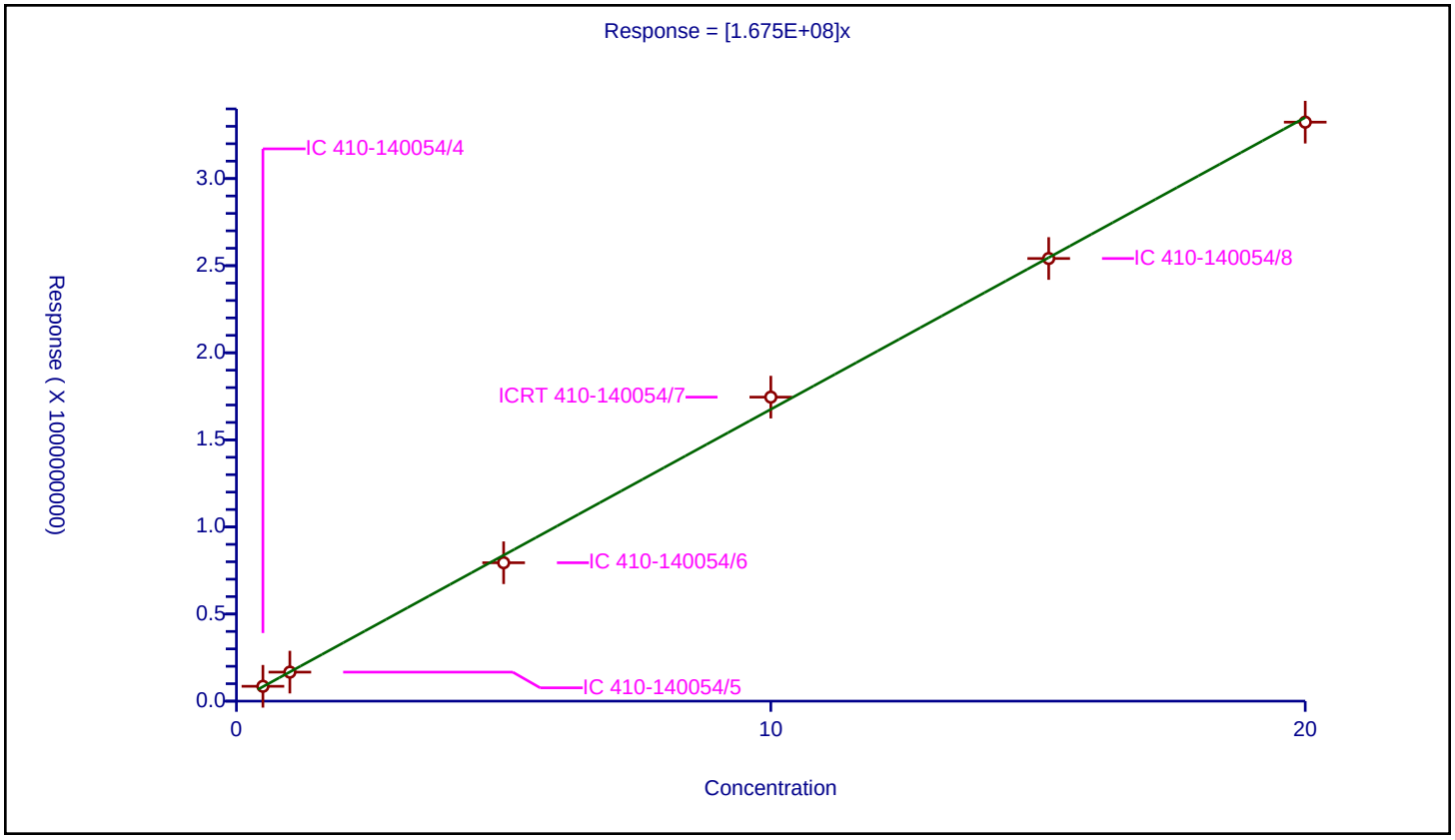
Curve Coefficients

Intercept:	0
Slope:	1.675E+08

Error Coefficients

Standard Error:	38800000
Relative Standard Error:	3.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	85201440.0			171777096.774194	Y
2	IC 410-140054/5	1.0	166550637.0			166550637.0	Y
3	IC 410-140054/6	5.0	794514348.0			158902869.6	Y
4	ICRT 410-140054/7	10.0	1745343016.0			174534301.6	Y
5	IC 410-140054/8	15.2	2541208298.0			167184756.447368	Y
6	IC 410-140054/9	20.0	3323788015.0			166189400.75	Y



Calibration / cis-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

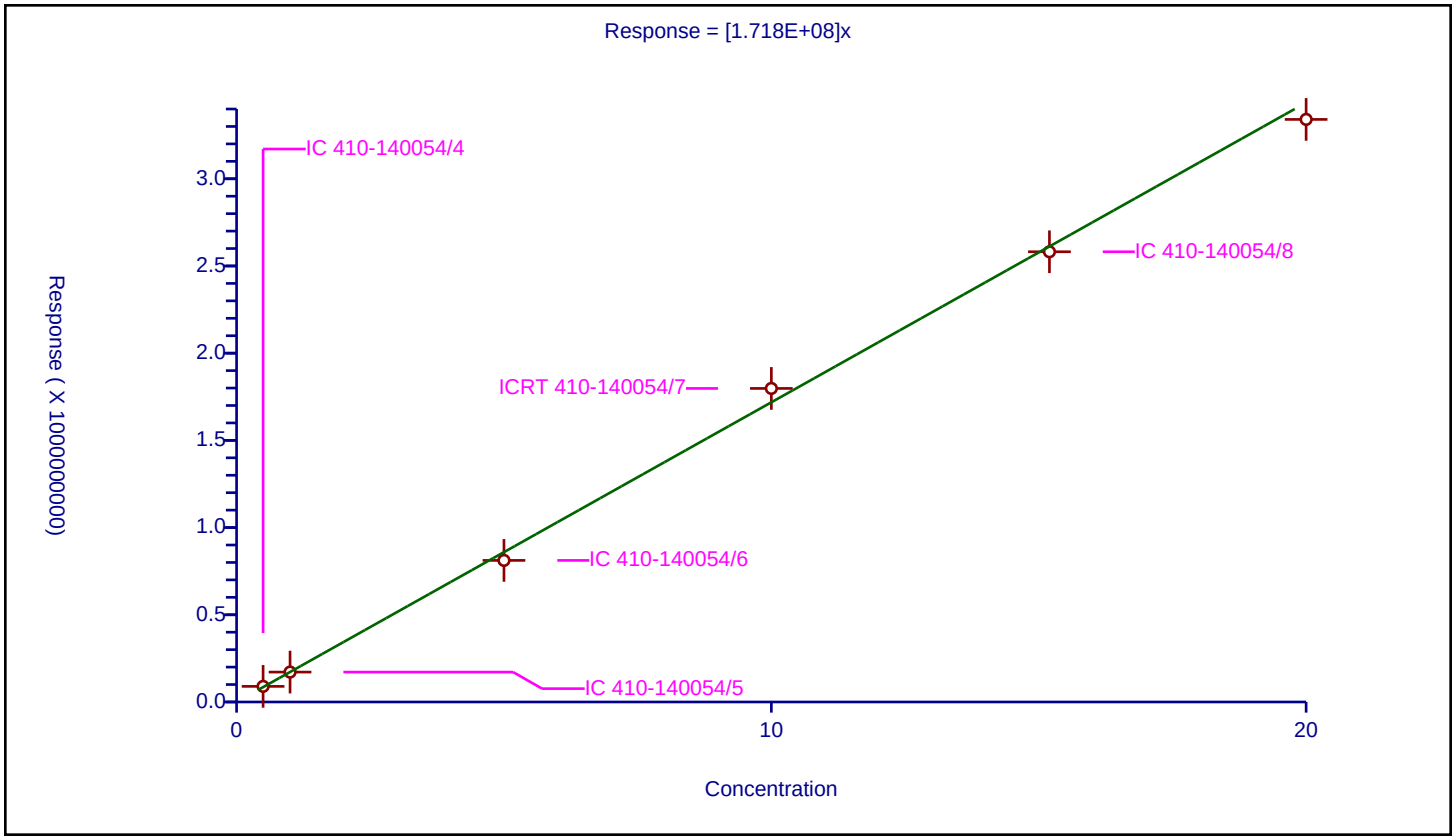
Curve Coefficients

Intercept:	0
Slope:	1.718E+08

Error Coefficients

Standard Error:	61300000
Relative Standard Error:	4.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	89524157.0			180492252.016129	Y
2	IC 410-140054/5	1.0	171508629.0			171508629.0	Y
3	IC 410-140054/6	5.0	811890941.0			162378188.2	Y
4	ICRT 410-140054/7	10.0	1797873708.0			179787370.8	Y
5	IC 410-140054/8	15.2	2581513265.0			169836399.013158	Y
6	IC 410-140054/9	20.0	3340436514.0			167021825.7	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

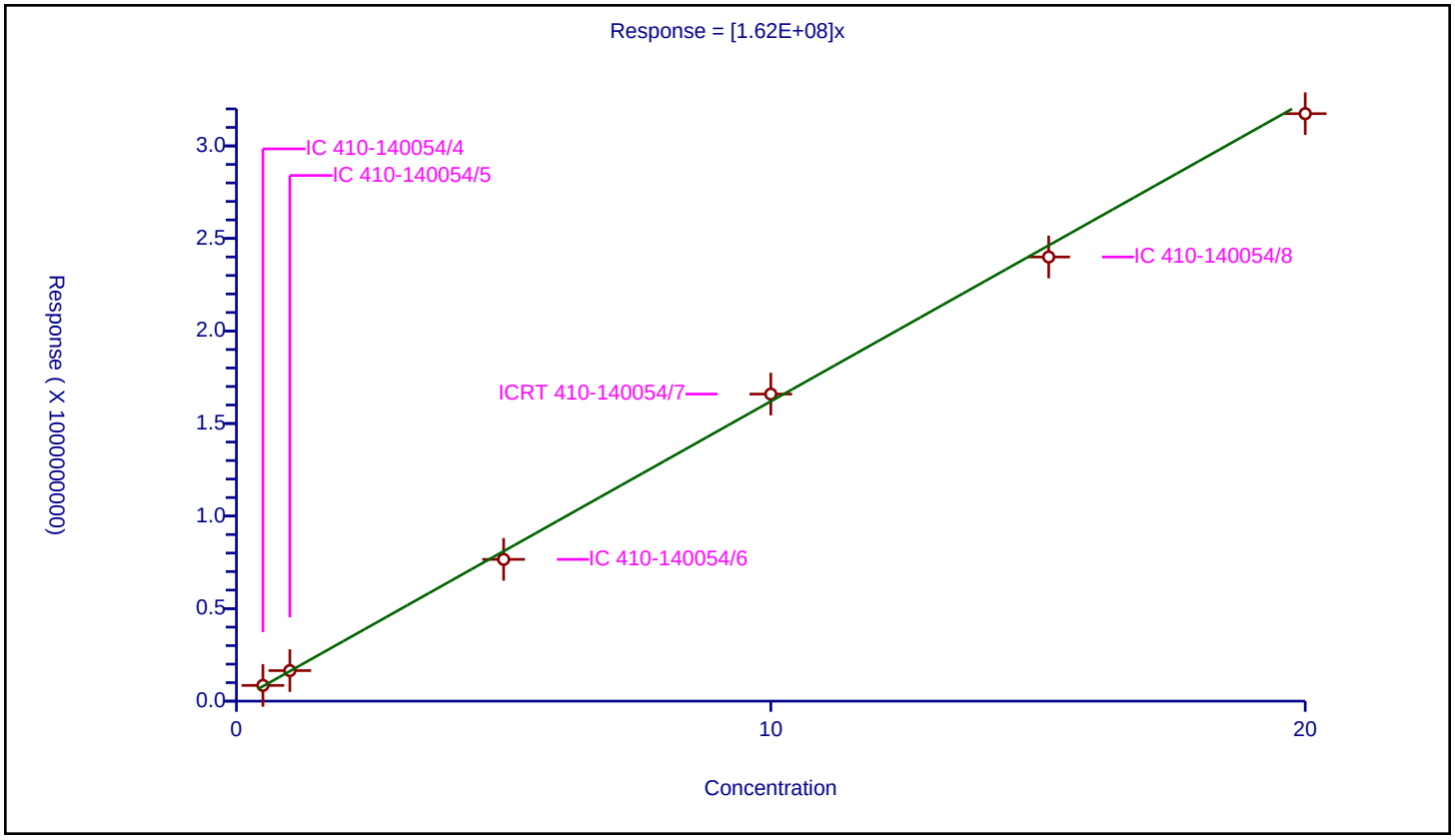
Curve Coefficients

Intercept:	0
Slope:	1.62E+08

Error Coefficients

Standard Error:	48400000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	84992910.0			171356673.387097	Y
2	IC 410-140054/5	1.0	164919470.0			164919470.0	Y
3	IC 410-140054/6	5.0	765935579.0			153187115.8	Y
4	ICRT 410-140054/7	10.0	1659199712.0			165919971.2	Y
5	IC 410-140054/8	15.2	2399847154.0			157884681.184211	Y
6	IC 410-140054/9	20.0	3174229758.0			158711487.9	Y



Calibration / 4,4'-DDE

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

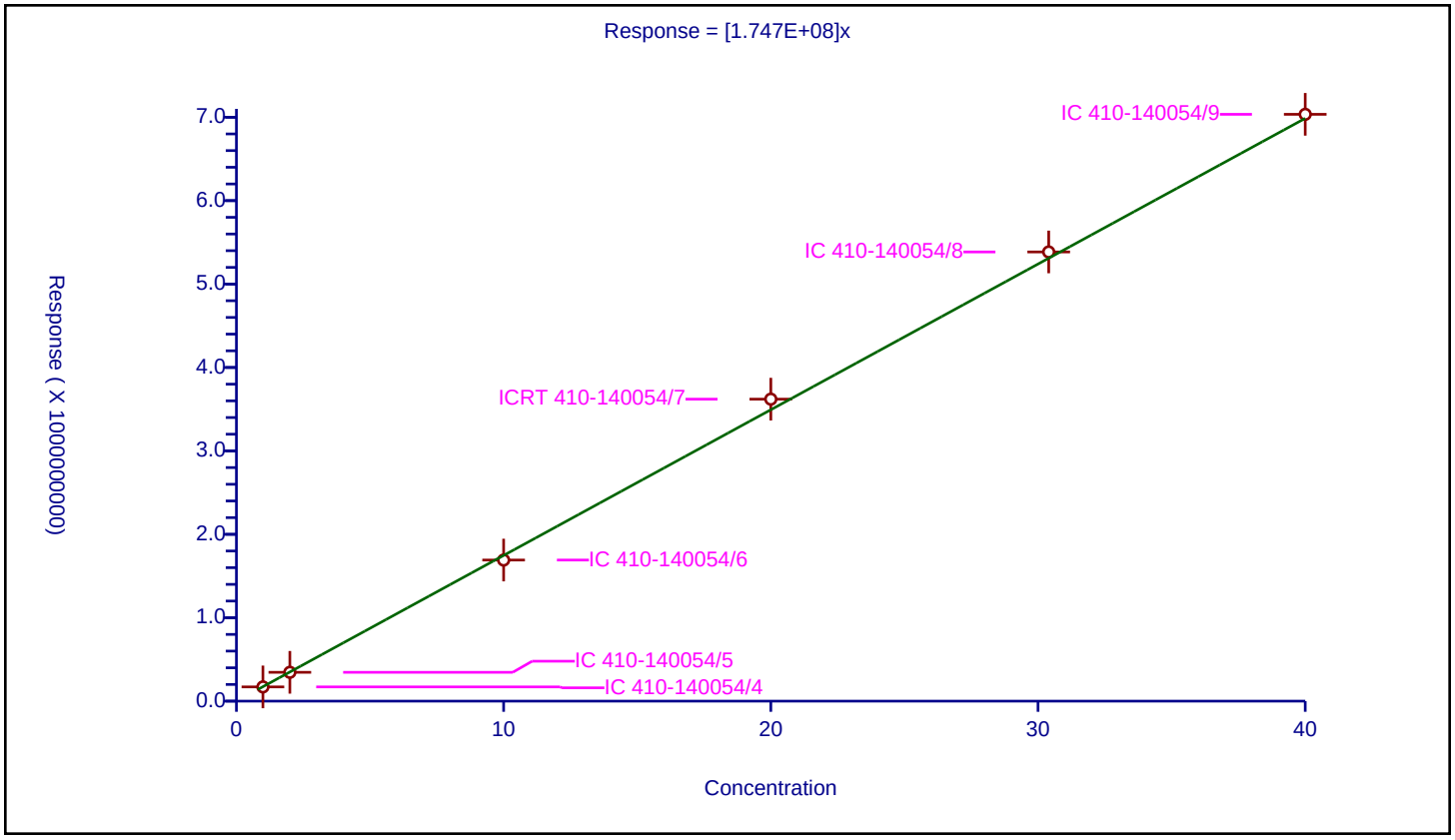
Curve Coefficients

Intercept:	0
Slope:	1.747E+08

Error Coefficients

Standard Error:	73700000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	170602881.0			171978710.685484	Y
2	IC 410-140054/5	2.0	345752647.0			172876323.5	Y
3	IC 410-140054/6	10.0	1691306720.0			169130672.0	Y
4	ICRT 410-140054/7	20.0	3620184185.0			181009209.25	Y
5	IC 410-140054/8	30.4	5384923968.0			177135656.842105	Y
6	IC 410-140054/9	40.0	7034848405.0			175871210.125	Y



Calibration / Dieldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

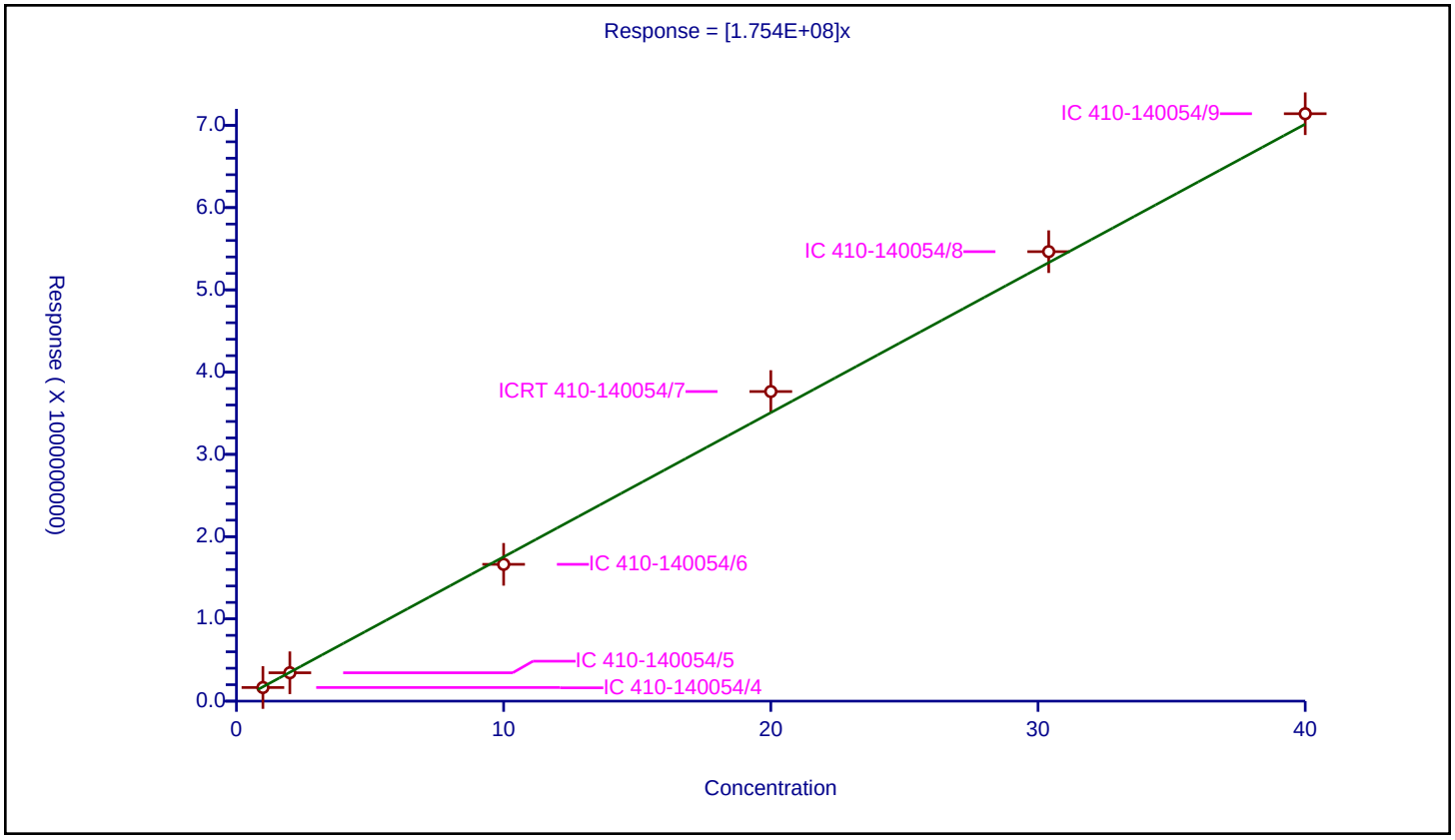
Curve Coefficients

Intercept:	0
Slope:	1.754E+08

Error Coefficients

Standard Error:	147000000
Relative Standard Error:	4.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	165572000.0			166907258.064516	Y
2	IC 410-140054/5	2.0	345013204.0			172506602.0	Y
3	IC 410-140054/6	10.0	1663206597.0			166320659.7	Y
4	ICRT 410-140054/7	20.0	3764016779.0			188200838.95	Y
5	IC 410-140054/8	30.4	5464415293.0			179750503.059211	Y
6	IC 410-140054/9	40.0	7141397361.0			178534934.025	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

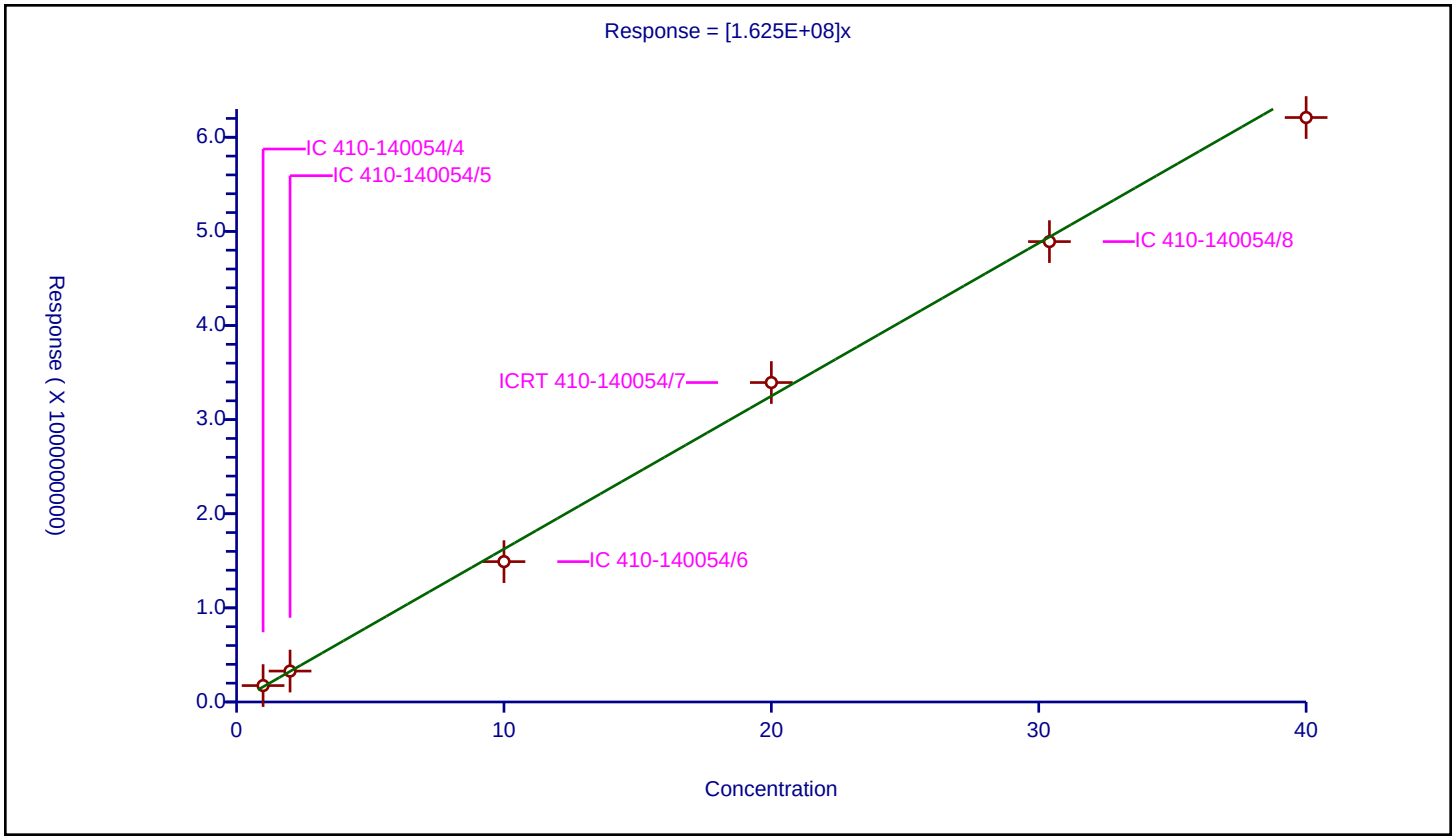
Curve Coefficients

Intercept:	0
Slope:	1.625E+08

Error Coefficients

Standard Error:	159000000
Relative Standard Error:	6.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	174454102.0			175860989.919355	Y
2	IC 410-140054/5	2.0	328563005.0			164281502.5	Y
3	IC 410-140054/6	10.0	1491127482.0			149112748.2	Y
4	ICRT 410-140054/7	20.0	3393936052.0			169696802.6	Y
5	IC 410-140054/8	30.4	4891359645.0			160899988.322368	Y
6	IC 410-140054/9	40.0	6209700970.0			155242524.25	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

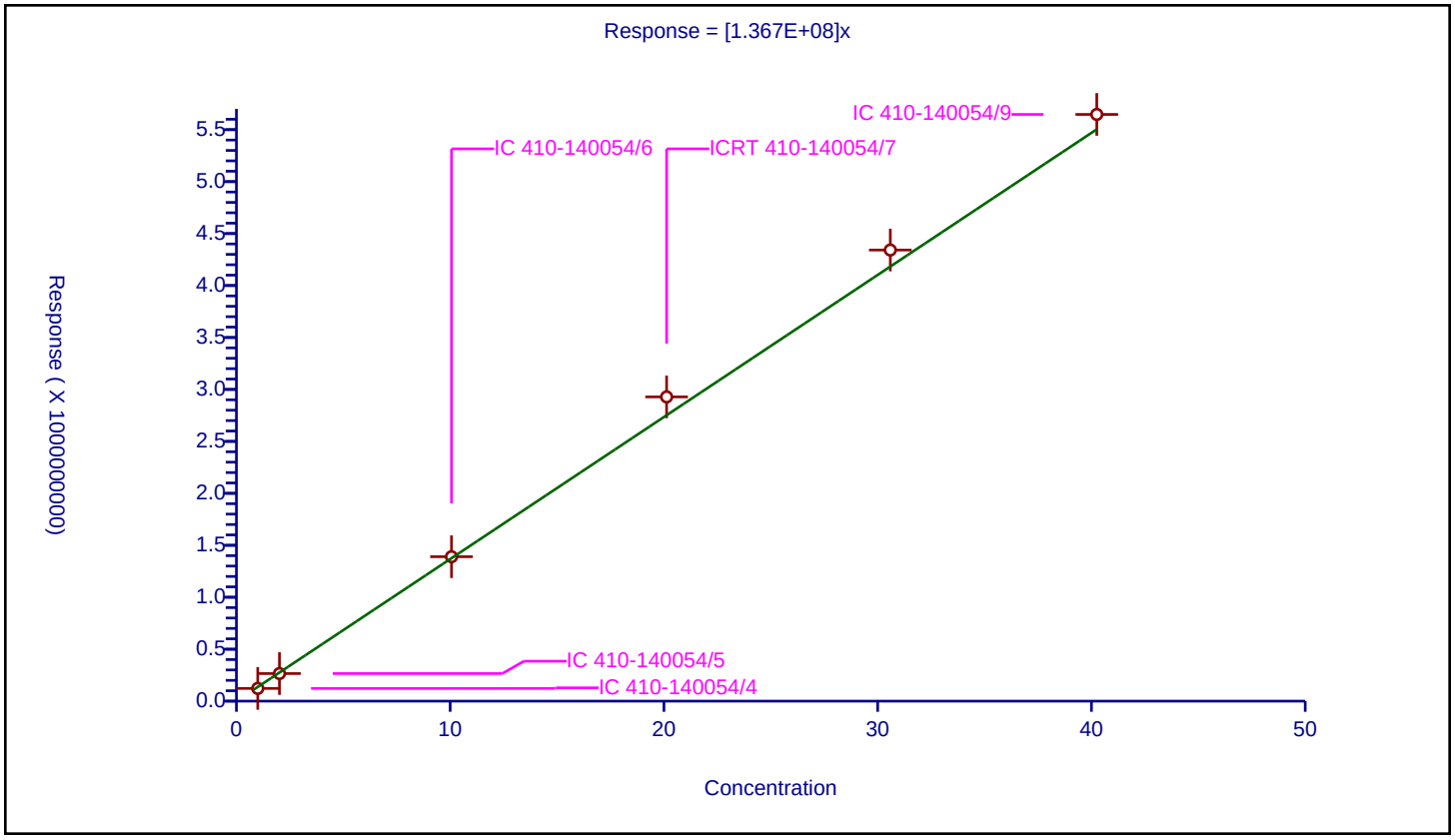
Curve Coefficients

Intercept:	0
Slope:	1.367E+08

Error Coefficients

Standard Error:	124000000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.9982	122369858.0			122590520.937688	Y
2	IC 410-140054/5	2.0125	265539457.0			131945071.801242	Y
3	IC 410-140054/6	10.0625	1389852184.0			138121956.173913	Y
4	ICRT 410-140054/7	20.125	2928177233.0			145499489.838509	Y
5	IC 410-140054/8	30.59	4341624394.0			141929532.330827	Y
6	IC 410-140054/9	40.25	5646697700.0			140290626.086957	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

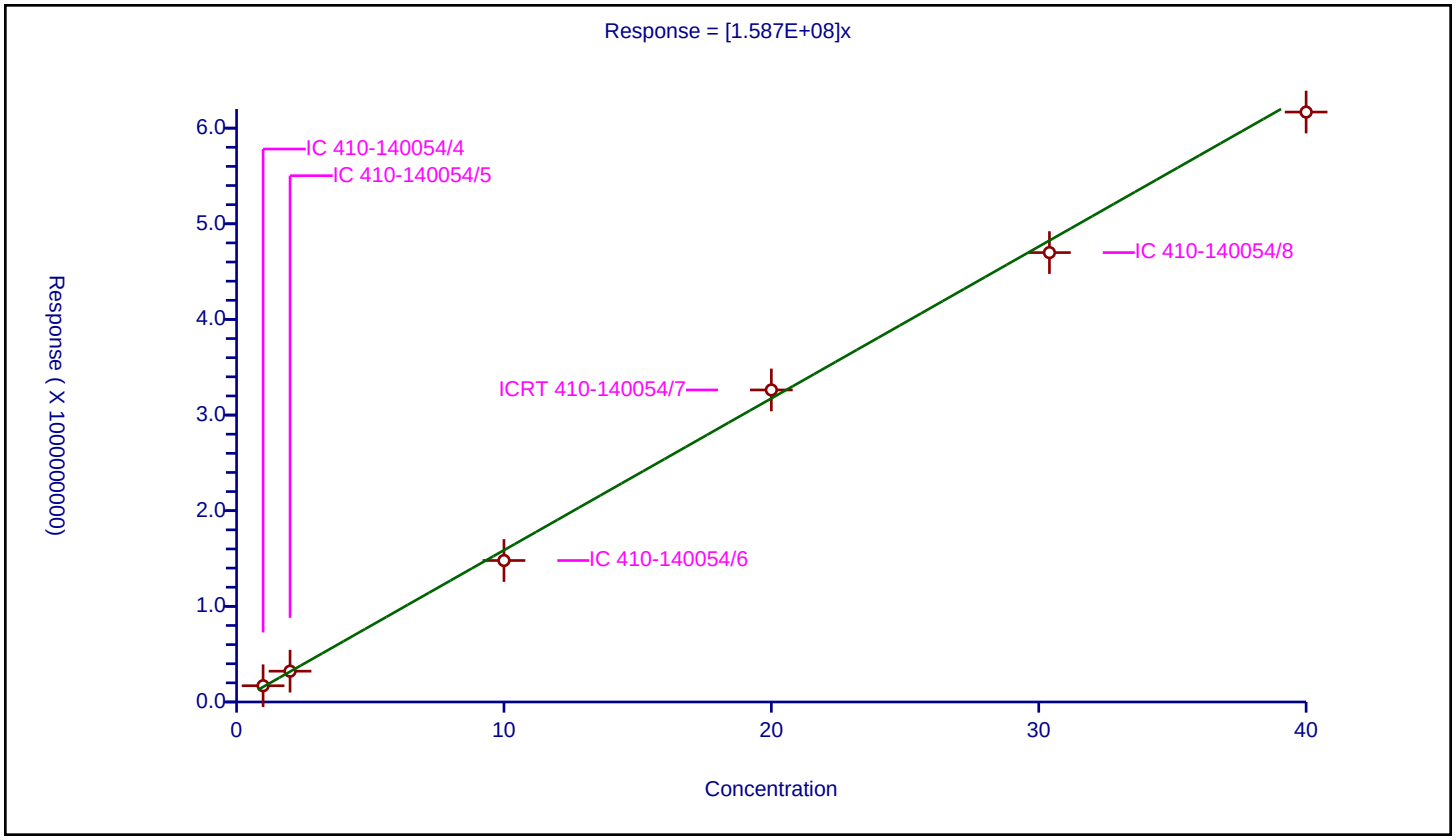
Curve Coefficients

Intercept:	0
Slope:	1.587E+08

Error Coefficients

Standard Error:	117000000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	169994149.0			171365069.556452	Y
2	IC 410-140054/5	2.0	322225033.0			161112516.5	Y
3	IC 410-140054/6	10.0	1479238032.0			147923803.2	Y
4	ICRT 410-140054/7	20.0	3262593077.0			163129653.85	Y
5	IC 410-140054/8	30.4	4698835403.0			154566954.046053	Y
6	IC 410-140054/9	40.0	6168138363.0			154203459.075	Y



Calibration / 4,4'-DDT

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

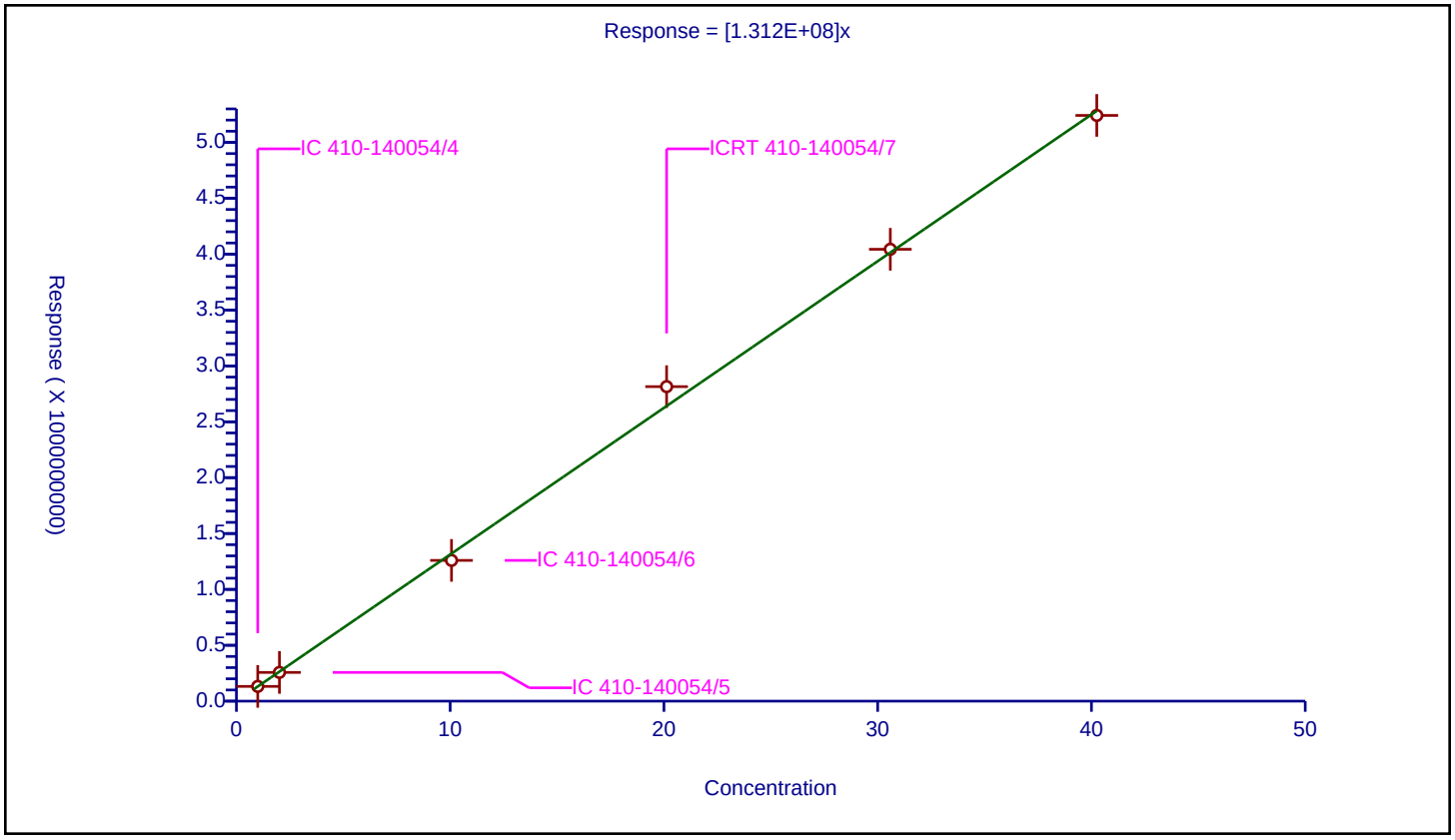
Curve Coefficients

Intercept:	0
Slope:	1.312E+08

Error Coefficients

Standard Error:	85200000
Relative Standard Error:	3.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.9982	131938488.0			132176405.529954	Y
2	IC 410-140054/5	2.0125	257170925.0			127786795.031056	Y
3	IC 410-140054/6	10.0625	1259640190.0			125181633.78882	Y
4	ICRT 410-140054/7	20.125	2814405377.0			139846229.913043	Y
5	IC 410-140054/8	30.59	4043754523.0			132192040.634194	Y
6	IC 410-140054/9	40.25	5241532360.0			130224406.459627	Y



Calibration / Endrin aldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

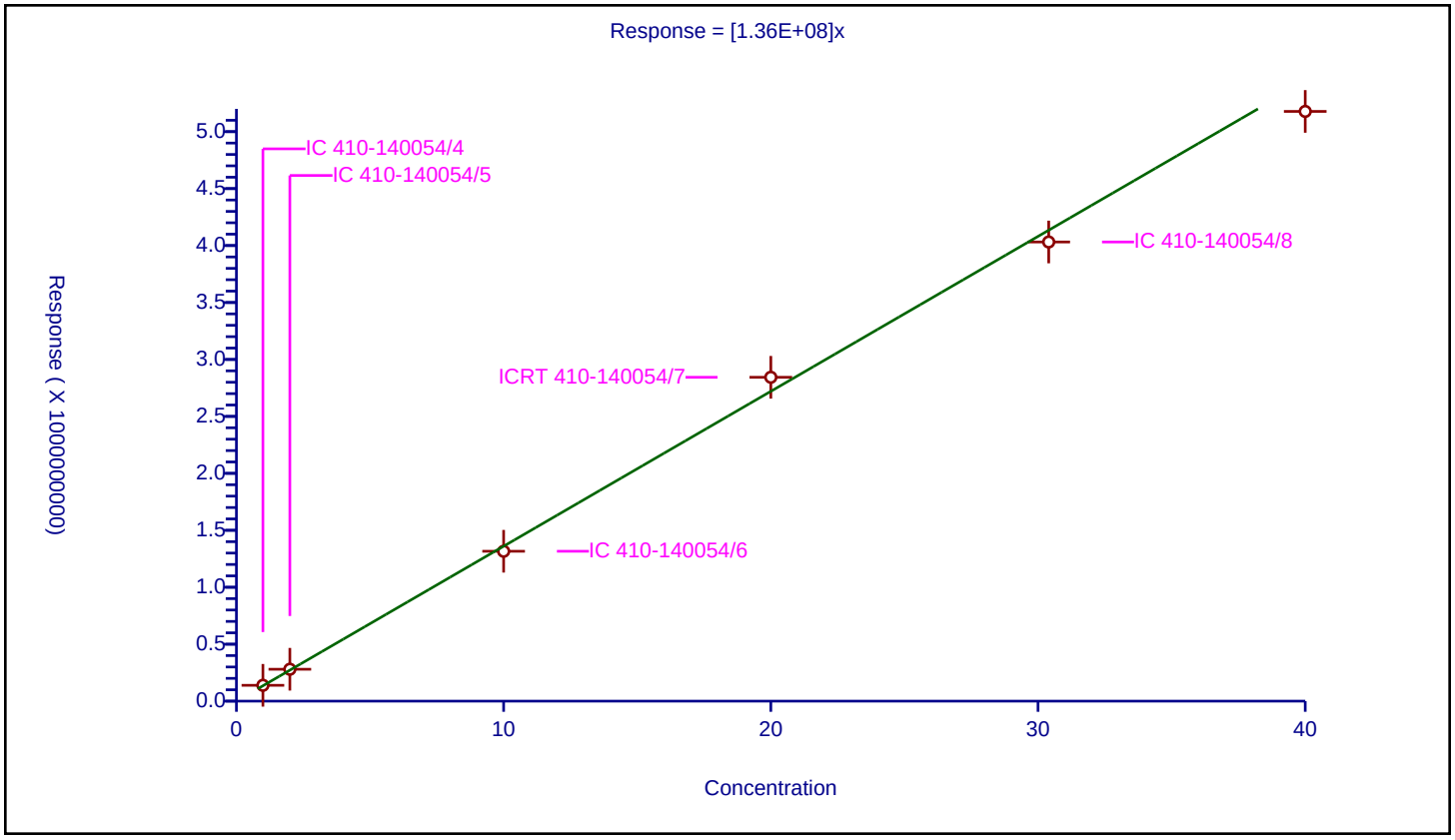
Curve Coefficients

Intercept:	0
Slope:	1.36E+08

Error Coefficients

Standard Error:	139000000
Relative Standard Error:	4.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	139097499.0			140219253.024194	Y
2	IC 410-140054/5	2.0	280082406.0			140041203.0	Y
3	IC 410-140054/6	10.0	1315901779.0			131590177.9	Y
4	ICRT 410-140054/7	20.0	2843559168.0			142177958.4	Y
5	IC 410-140054/8	30.4	4031356080.0			132610397.368421	Y
6	IC 410-140054/9	40.0	5177780996.0			129444524.9	Y



Calibration / Endosulfan sulfate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

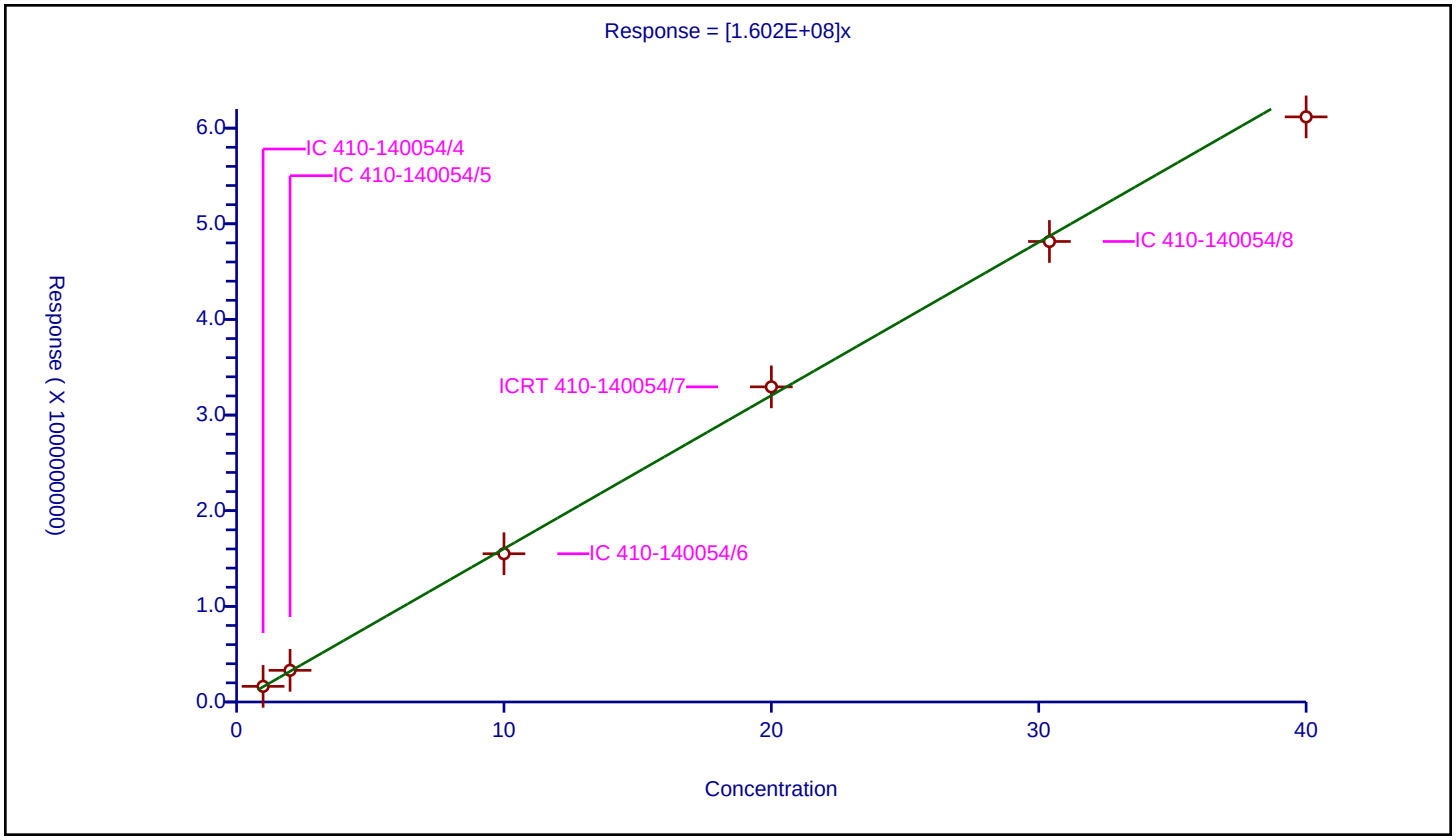
Curve Coefficients

Intercept:	0
Slope:	1.602E+08

Error Coefficients

Standard Error:	141000000
Relative Standard Error:	3.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	163470200.0			164788508.064516	Y
2	IC 410-140054/5	2.0	330995869.0			165497934.5	Y
3	IC 410-140054/6	10.0	1550148098.0			155014809.8	Y
4	ICRT 410-140054/7	20.0	3294917597.0			164745879.85	Y
5	IC 410-140054/8	30.4	4815184546.0			158394228.486842	Y
6	IC 410-140054/9	40.0	6117800071.0			152945001.775	Y



Calibration / Methoxychlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

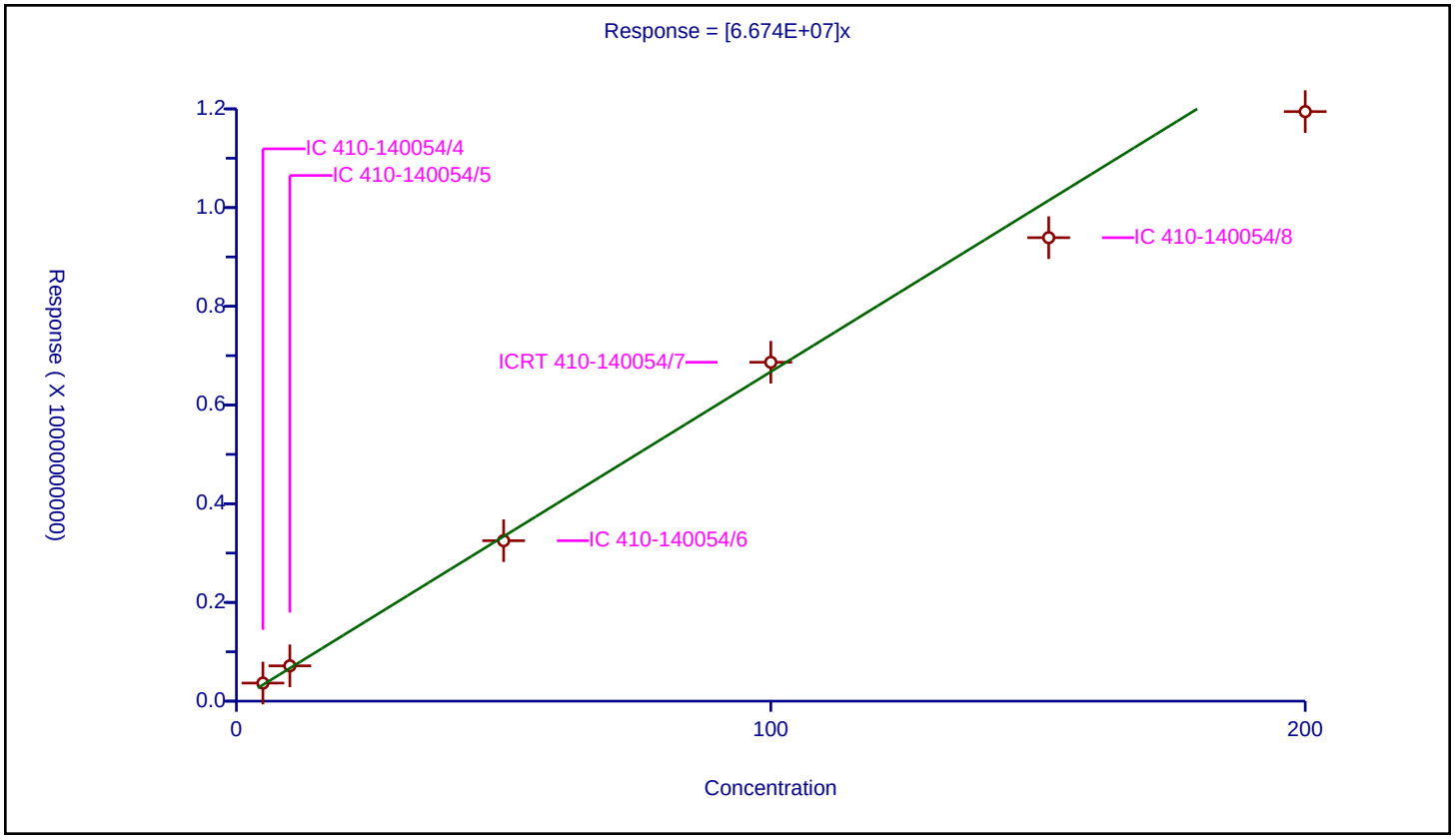
Curve Coefficients

Intercept:	0
Slope:	6.674E+07

Error Coefficients

Standard Error:	719000000
Relative Standard Error:	8.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	4.96	365911572.0			73772494.354839	Y
2	IC 410-140054/5	10.0	715114056.0			71511405.6	Y
3	IC 410-140054/6	50.0	3250378051.0			65007561.02	Y
4	ICRT 410-140054/7	100.0	6866266499.0			68662664.99	Y
5	IC 410-140054/8	152.0	9390623827.0			61780419.914474	Y
6	IC 410-140054/9	200.0	11945152843.0			59725764.215	Y



Calibration / Endrin ketone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

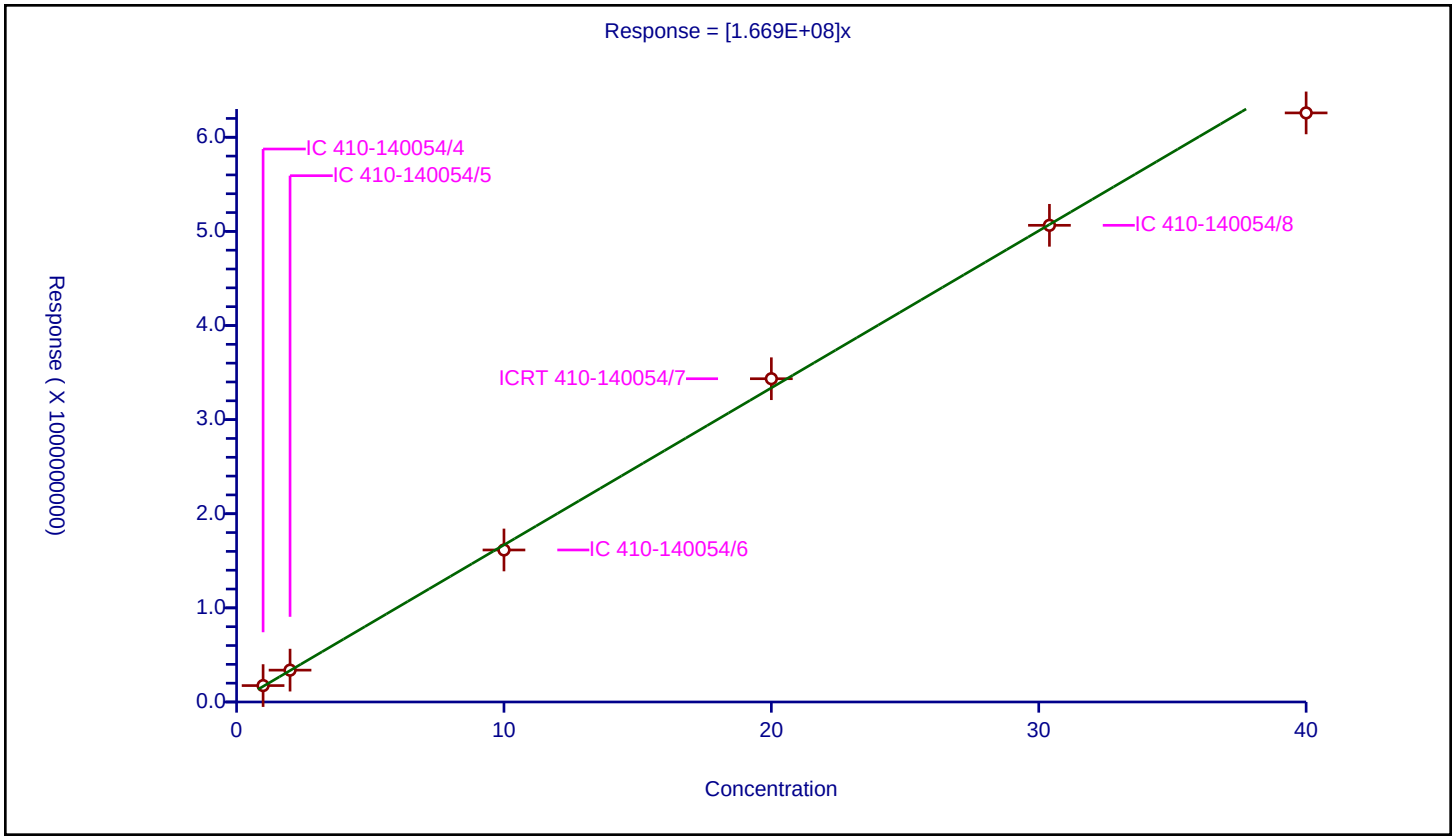
Curve Coefficients

Intercept:	0
Slope:	1.669E+08

Error Coefficients

Standard Error:	193000000
Relative Standard Error:	4.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	174284307.0			175689825.604839	Y
2	IC 410-140054/5	2.0	338368219.0			169184109.5	Y
3	IC 410-140054/6	10.0	1615077424.0			161507742.4	Y
4	ICRT 410-140054/7	20.0	3434398471.0			171719923.55	Y
5	IC 410-140054/8	30.4	5064454142.0			166593886.25	Y
6	IC 410-140054/9	40.0	6258666900.0			156466672.5	Y



Calibration / DCB Decachlorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

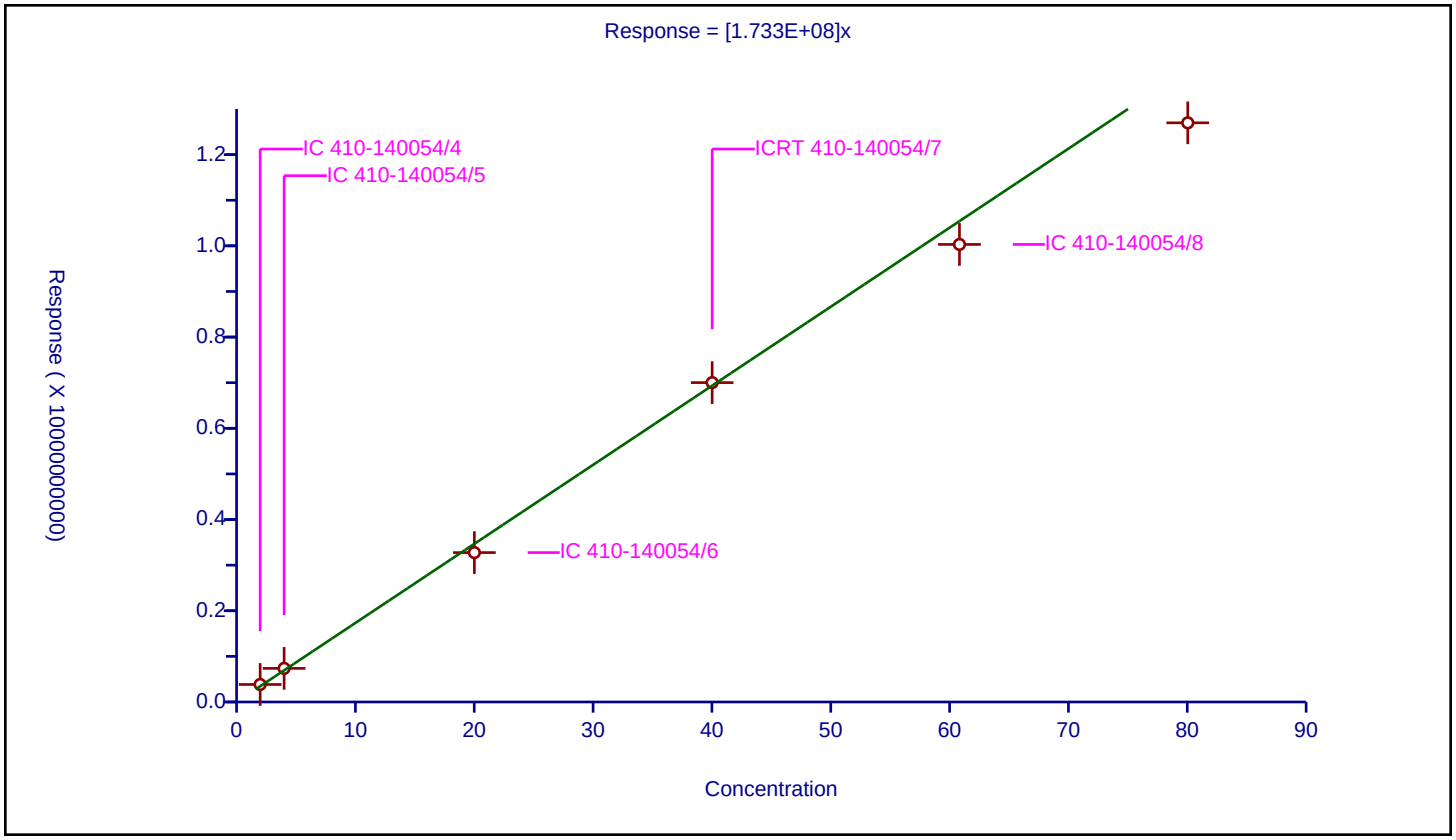
Curve Coefficients

Intercept:	0
Slope:	1.733E+08

Error Coefficients

Standard Error:	580000000
Relative Standard Error:	7.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	1.984992	383955283.0			193429133.719431	Y
2	IC 410-140054/5	4.002	737139642.0			184192814.092954	Y
3	IC 410-140054/6	20.01	3275209682.0			163678644.777611	Y
4	ICRT 410-140054/7	40.02	7001683599.0			174954612.668666	Y
5	IC 410-140054/8	60.8304	10031101005.0			164902762.516768	Y
6	IC 410-140054/9	80.04	12697334089.0			158637357.433783	Y



FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140054

SDG No.:

Instrument ID: 9191 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2021 09:42 Calibration End Date: 06/21/2021 10:44 Calibration ID: 27705

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-140054/4	10PEST21141034.004.D
Level 2	IC 410-140054/5	10PEST21141034.005.D
Level 3	IC 410-140054/6	10PEST21141034.006.D
Level 4	ICRT 410-140054/7	10PEST21141034.007.D
Level 5	IC 410-140054/8	10PEST21141034.008.D
Level 6	IC 410-140054/9	10PEST21141034.009.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	2.697	2.700	2.697	2.698	2.703	2.700					2.668 - 2.728	2.699
gamma-BHC (Lindane)	2.987	2.988	2.985	2.987	2.992	2.988					2.957 - 3.017	2.988
beta-BHC	3.233	3.235	3.232	3.235	3.238	3.235					3.205 - 3.265	3.235
delta-BHC	3.473	3.477	3.472	3.475	3.478	3.475					3.445 - 3.505	3.475
Heptachlor	3.540	3.542	3.538	3.540	3.545	3.542					3.510 - 3.570	3.541
Aldrin	3.825	3.827	3.823	3.825	3.830	3.827					3.795 - 3.855	3.826
Heptachlor epoxide	4.193	4.195	4.192	4.193	4.198	4.195					4.163 - 4.223	4.194
gamma-Chlordane	4.450	4.452	4.448	4.450	4.455	4.452					4.420 - 4.480	4.451
alpha-Chlordane	4.488	4.492	4.487	4.490	4.493	4.490					4.460 - 4.520	4.490
Endosulfan I	4.517	4.520	4.515	4.518	4.523	4.518					4.488 - 4.548	4.519
p,p'-DDE	4.612	4.613	4.610	4.613	4.617	4.613					4.583 - 4.643	4.613
Dieldrin	4.717	4.718	4.715	4.718	4.723	4.718					4.688 - 4.748	4.718
Endrin	4.890	4.893	4.888	4.892	4.897	4.893					4.862 - 4.922	4.892
p,p'-DDD	5.000	5.003	5.000	5.002	5.007	5.003					4.972 - 5.032	5.003
Endosulfan II	5.088	5.090	5.087	5.088	5.093	5.090					5.058 - 5.118	5.089
Endrin aldehyde	5.168	5.170	5.167	5.168	5.173	5.170					5.138 - 5.198	5.169
p,p'-DDT	5.225	5.227	5.223	5.225	5.230	5.227					5.195 - 5.255	5.226
Endosulfan sulfate	5.373	5.375	5.372	5.373	5.378	5.375					5.343 - 5.403	5.374
Methoxychlor	5.538	5.540	5.537	5.538	5.543	5.540					5.508 - 5.568	5.539
Endrin ketone	5.668	5.670	5.667	5.668	5.675	5.670					5.638 - 5.698	5.670
Tetrachloro-m-xylene (Surr)	2.367	2.368	2.365	2.367	2.372	2.367					2.337 - 2.397	2.368
DCB Decachlorobiphenyl (Surr)	6.642	6.643	6.640	6.643	6.647	6.643					6.613 - 6.673	6.643

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140054

SDG No.:

Instrument ID: 9191 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2021 09:42 Calibration End Date: 06/21/2021 10:44 Calibration ID: 27705

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-140054/4	10PEST21141034.004.D
Level 2	IC 410-140054/5	10PEST21141034.005.D
Level 3	IC 410-140054/6	10PEST21141034.006.D
Level 4	ICRT 410-140054/7	10PEST21141034.007.D
Level 5	IC 410-140054/8	10PEST21141034.008.D
Level 6	IC 410-140054/9	10PEST21141034.009.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	150311300 138278216	142621595 142024964	134179227	147496867	Ave		142485362				4.1		20.0			
gamma-BHC (Lindane)	135796308 116943021	127978499 118778028	114319201	122425232	Ave		122706715				6.5		20.0			
beta-BHC	68867942 52696938	66808679 52122737	54590895	56735315	Ave		58637084.2				12.5		20.0			
delta-BHC	135585571 127165063	130868089 124366527	125281500	133922384	Ave		129531522				3.6		20.0			
Heptachlor	130136815 113633034	125454550 110038449	113010514	117867138	Ave		118356750				6.6		20.0			
Aldrin	127635577 116983428	120052344 111052093	108677323	118598015	Ave		117166463				5.8		20.0			
Heptachlor epoxide	117353857 104131330	120374866 101144252	101789411	108517635	Ave		108885225				7.5		20.0			
gamma-Chlordane	130829077 108279643	119520915 107771886	110203761	116652949	Ave		115543038				7.7		20.0			
alpha-Chlordane	127408569 106262913	120521985 104559240	107890769	112691738	Ave		113222536				8.0		20.0			
Endosulfan I	117395837 99704903	113418604 96440251	98235165	104783065	Ave		104996304				8.2		20.0			
p,p'-DDE	122278370 114378729	115533070 115799701	108912157	119050268	Ave		115992049				3.9		20.0			
Dieldrin	118331837 110316598	115074201 110529208	107546864	115579442	Ave		112896358				3.6		20.0			
Endrin	118783263 100682264	114214868 96714787	97505044	107570405	Ave		105911772				8.7		20.0			
p,p'-DDD	102558583 87178590	98317400 90185714	88402117	96066136	Ave		93784756.9				6.5		20.0			

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

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140054

SDG No.:

Instrument ID: 9191 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2021 09:42 Calibration End Date: 06/21/2021 10:44 Calibration ID: 27705

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Endosulfan II	106696421 92080987	104757241 92057584	94122414	98507277	Ave		98036987.4				6.6		20.0			
Endrin aldehyde	96201974 79296990	90457783 78105090	78340673	80326128	Ave		83788106.3				9.1		20.0			
p,p'-DDT	91362713 83199425	89506523 85786020	82412823	89050637	Ave		86886356.9				4.2		20.0			
Endosulfan sulfate	111970550 93369165	106934499 90130816	94792586	96386497	Ave		98930685.3				8.6		20.0			
Methoxychlor	50218080 44008891	48193491 41892075	43620097	46860762	Ave		45798899.3				6.9		20.0			
Endrin ketone	116347167 99934318	108801942 96200036	101717914	106350107	Ave		104891914				6.9		20.0			
Tetrachloro-m-xylene (Surr)	104384767 98004371	103556695 96052524	95375012	104033633	Ave		100234501				4.2		20.0			
DCB Decachlorobiphenyl (Surr)	101418724 83390630	92326798 77009050	81766016	83680510	Ave		86598621.3				10.2		20.0			

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

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140054

SDG No.:

Instrument ID: 9191 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2021 09:42 Calibration End Date: 06/21/2021 10:44 Calibration ID: 27705

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-140054/4	10PEST21141034.004.D
Level 2	IC 410-140054/5	10PEST21141034.005.D
Level 3	IC 410-140054/6	10PEST21141034.006.D
Level 4	ICRT 410-140054/7	10PEST21141034.007.D
Level 5	IC 410-140054/8	10PEST21141034.008.D
Level 6	IC 410-140054/9	10PEST21141034.009.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	75486335 2876005518	144404365	679282339	1493405774	2128101750	0.502 20.3	1.01	5.06	10.1	15.4
gamma-BHC (Lindane)	Ave	67354969 2375560557	127978499	571596007	1224252321	1777533925	0.496 20.0	1.00	5.00	10.0	15.2
beta-BHC	Ave	34158499 1042454742	66808679	272954474	567353147	800993463	0.496 20.0	1.00	5.00	10.0	15.2
delta-BHC	Ave	67250443 2487330535	130868089	626407502	1339223839	1932908951	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor	Ave	64547860 2200768984	125454550	565052570	1178671378	1727222115	0.496 20.0	1.00	5.00	10.0	15.2
Aldrin	Ave	63307246 2221041865	120052344	543386614	1185980147	1778148110	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor epoxide	Ave	58935107 2048171106	121879552	515308891	1098741053	1602581163	0.502 20.3	1.01	5.06	10.1	15.4

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140054

SDG No.:

Instrument ID: 9191 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2021 09:42 Calibration End Date: 06/21/2021 10:44 Calibration ID: 27705

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
gamma-Chlordane	Ave	64891222 2155437712	119520915	551018807	1166529493	1645850567	0.496 20.0	1.00	5.00	10.0	15.2
alpha-Chlordane	Ave	63194650 2091184809	120521985	539453846	1126917382	1615196273	0.496 20.0	1.00	5.00	10.0	15.2
Endosulfan I	Ave	58228335 1928805022	113418604	491175825	1047830647	1515514522	0.496 20.0	1.00	5.00	10.0	15.2
p,p'-DDE	Ave	121300143 4631988045	231066140	1089121567	2381005351	3477113350	0.992 40.0	2.00	10.0	20.0	30.4
Dieldrin	Ave	117385182 4421168301	230148402	1075468639	2311588840	3353624587	0.992 40.0	2.00	10.0	20.0	30.4
Endrin	Ave	117832997 3868591466	228429735	975050442	2151408108	3060740835	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDD	Ave	102373978 3629974982	197863768	889546307	1933330989	2666793080	0.998 40.3	2.01	10.1	20.1	30.6
Endosulfan II	Ave	105842850 3682303366	209514481	941224144	1970145545	2799261992	0.992 40.0	2.00	10.0	20.0	30.4
Endrin aldehyde	Ave	95432358 3124203606	180915566	783406726	1606522567	2410628487	0.992 40.0	2.00	10.0	20.0	30.4

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140054

SDG No.:

Instrument ID: 9191 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/21/2021 09:42 Calibration End Date: 06/21/2021 10:44 Calibration ID: 27705

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
p,p'-DDT	Ave	91198260 345288731 5	180131878	829279034	179214406 6	254507040 1	0.998 40.3	2.01	10.1	20.1	30.6
Endosulfan sulfate	Ave	111074786 360523262 0	213868998	947925857	192772993 4	283842260 2	0.992 40.0	2.00	10.0	20.0	30.4
Methoxychlor	Ave	249081676 837841497 8	481934908	218100485 2	468607618 3	668935146 8	4.96 200	10.0	50.0	100	152
Endrin ketone	Ave	115416390 384800144 2	217603884	101717914 0	212700213 3	303800325 3	0.992 40.0	2.00	10.0	20.0	30.4
Tetrachloro-m-xylene (Surr)	Ave	207306478 769188615 5	414641008	190940774 6	416550668 3	596462441 2	1.99 80.1	4.00	20.0	40.0	60.9
DCB Decachlorobiphenyl (Surr)	Ave	201315356 616380434 8	369491847	163613797 4	334889399 2	507268538 0	1.98 80.0	4.00	20.0	40.0	60.8

Curve Type Legend
Ave = Average by Height

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D
Lims ID: ic mixa1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Jun-2021 09:42:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic mixa1
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 11:48:29 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

First Level Reviewer: dalea Date: 21-Jun-2021 11:41:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.822	1.820	0.002	340429907H	1.99	2.06	
2	2.367	2.367	0.000	207306478H	1.99	2.07	
						RPD = 0.48	
3 alpha-BHC							
1	2.228	2.225	0.003	119831060H	0.5022	0.4855	
2	2.697	2.698	-0.001	75486335H	0.5022	0.5298	
						RPD = 8.73	
4 gamma-BHC (Lindane)							
1	2.515	2.513	0.002	105244880H	0.4960	0.4895	
2	2.987	2.987	0.000	67354969H	0.4960	0.5489	
						RPD = 11.43	
6 beta-BHC							
1	2.718	2.715	0.003	57614518H	0.4960	0.5795	
2	3.233	3.235	-0.002	34158499H	0.4960	0.5825	
						RPD = 0.52	
7 Heptachlor							
1	2.815	2.813	0.002	89279028H	0.4960	0.5248	
2	3.540	3.540	0.000	64547860H	0.4960	0.5454	
						RPD = 3.84	
8 delta-BHC							
1	2.968	2.967	0.001	98548924H	0.4960	0.4696	
2	3.473	3.475	-0.002	67250443H	0.4960	0.5192	
						RPD = 10.04	
9 Aldrin							
1	3.093	3.092	0.001	85563223H	0.4960	0.4852	
2	3.825	3.825	0.000	63307246H	0.4960	0.5403	
						RPD = 10.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.587	3.585	0.002	84867162H	0.5022	0.5116	
2	4.193	4.193	0.000	58935107H	0.5022	0.5413	
						RPD = 5.63	
12 trans-Chlordane							
1	3.788	3.787	0.001	85201440H	0.4960	0.5086	
2	4.450	4.450	0.000	64891222H	0.4960	0.5616	
						RPD = 9.91	
14 cis-Chlordane							
1	3.870	3.868	0.002	89524157H	0.4960	0.5210	
2	4.488	4.490	-0.002	63194650H	0.4960	0.5581	
						RPD = 6.89	
15 Endosulfan I							
1	3.913	3.910	0.003	84992910H	0.4960	0.5247	
2	4.517	4.518	-0.001	58228335H	0.4960	0.5546	
						RPD = 5.54	
16 4,4'-DDE							
1	4.053	4.050	0.003	170602881H	0.99	0.9767	
2	4.612	4.613	-0.001	121300143H	0.99	1.05	
						RPD = 6.83	
17 Dieldrin							M
1	4.150	4.148	0.002	165572000H	0.99	0.9441	
2	4.717	4.718	-0.001	117385182H	0.99	1.04	M
						RPD = 9.64	
19 Endrin							M
1	4.400	4.398	0.002	174454102H	0.99	1.07	
2	4.890	4.892	-0.002	117832997H	0.99	1.11	M
						RPD = 3.58	
22 4,4'-DDD							M
1	4.513	4.512	0.001	122369858H	1.00	0.8950	M
2	5.000	5.002	-0.002	102373978H	1.00	1.09	M
						RPD = 19.79	
23 Endosulfan II							M
1	4.612	4.610	0.002	169994149H	0.99	1.07	M
2	5.088	5.088	0.000	105842850H	0.99	1.08	M
						RPD = 0.80	
24 4,4'-DDT							M
1	4.723	4.720	0.003	131938488H	1.00	1.01	M
2	5.225	5.225	0.000	91198260H	1.00	1.05	M
						RPD = 4.31	
25 Endrin aldehyde							M
1	4.787	4.785	0.002	139097499H	0.99	1.02	M
2	5.168	5.168	0.000	95432358H	0.99	1.14	M
						RPD = 10.76	
26 Endosulfan sulfate							M
1	4.938	4.937	0.001	163470200H	0.99	1.02	M
2	5.373	5.373	0.000	111074786H	0.99	1.12	M
						RPD = 9.57	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							M
1	5.230	5.228	0.002	365911572H	4.96	5.48	M
2	5.538	5.538	0.000	249081676H	4.96	5.44	M
						RPD = 0.80	
29 Endrin ketone							M
1	5.370	5.368	0.002	174284307H	0.99	1.04	M
2	5.668	5.668	0.000	115416390H	0.99	1.10	M
						RPD = 5.21	
$ 31 DCB Decachlorobiphenyl (Surr)							M
1	6.132	6.130	0.002	383955283H	1.98	2.22	
2	6.642	6.643	-0.001	201315356H	1.98	2.32	M
						RPD = 4.81	
S 32 Total DDTs							
1						1.05	
2						1.01	
						RPD = 4.31	
S 33 Endosulfan, Total							
1						1.63	
2						1.60	
						RPD = 2.38	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCS_MIXA1_00003 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 11:48:30 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D

Injection Date: 21-Jun-2021 09:42:00 Instrument ID: 9191

Lims ID: ic mixa1

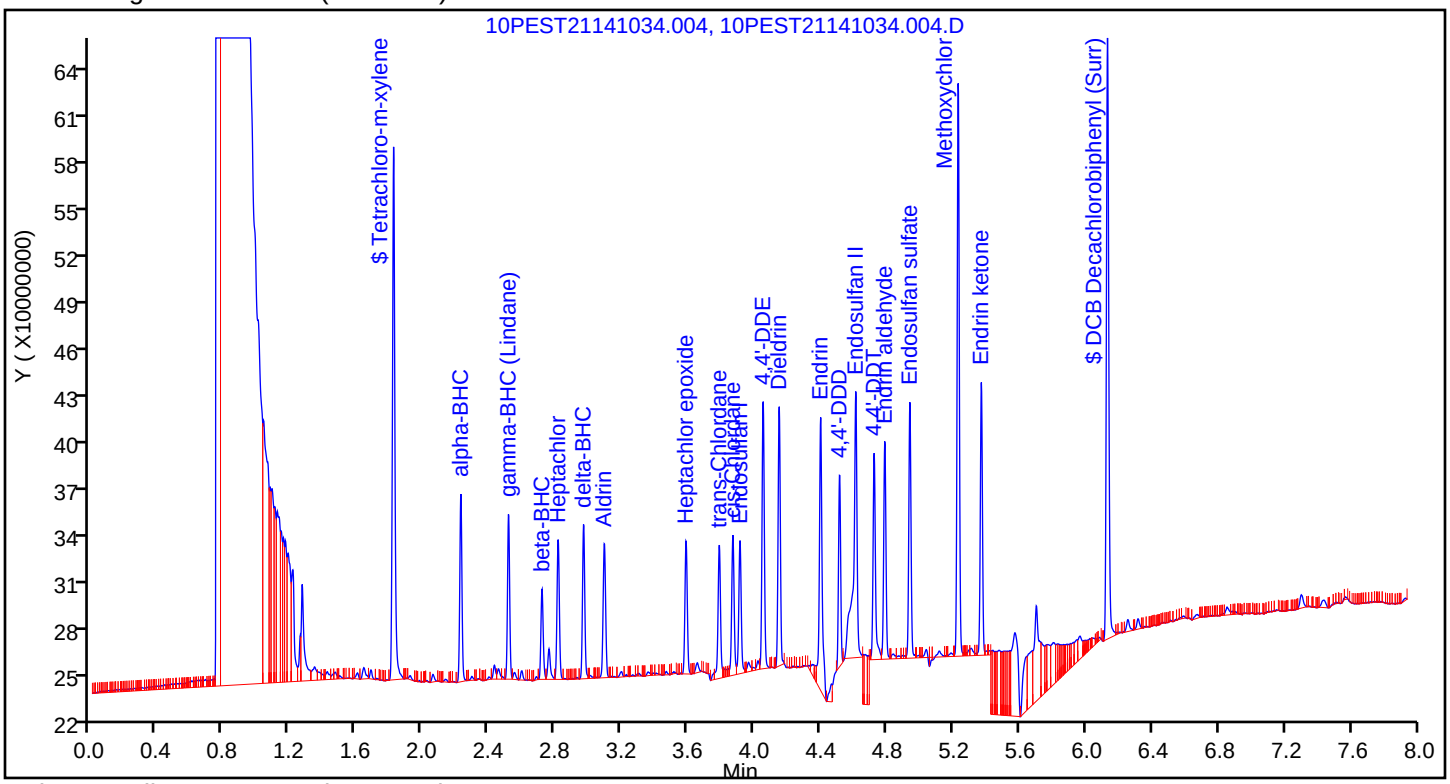
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 4

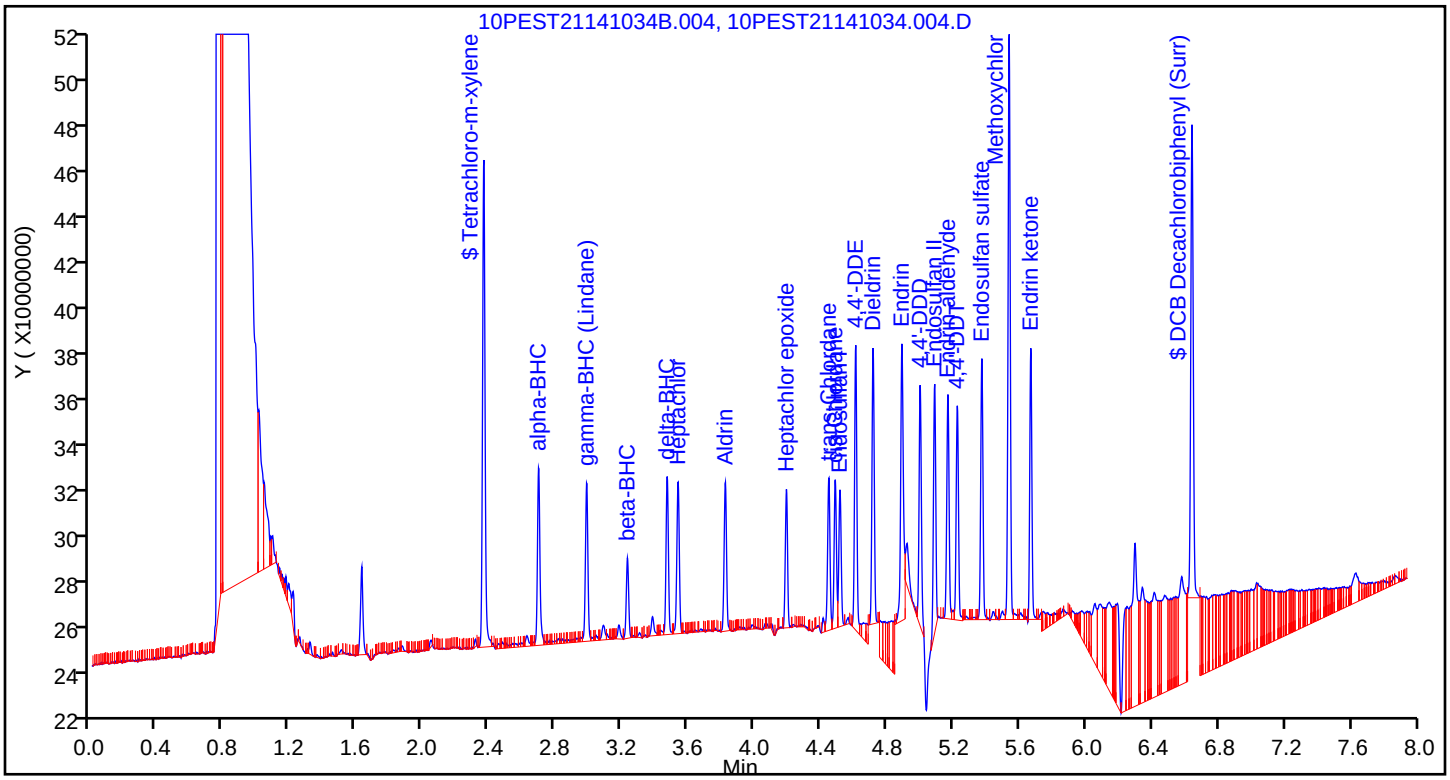
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

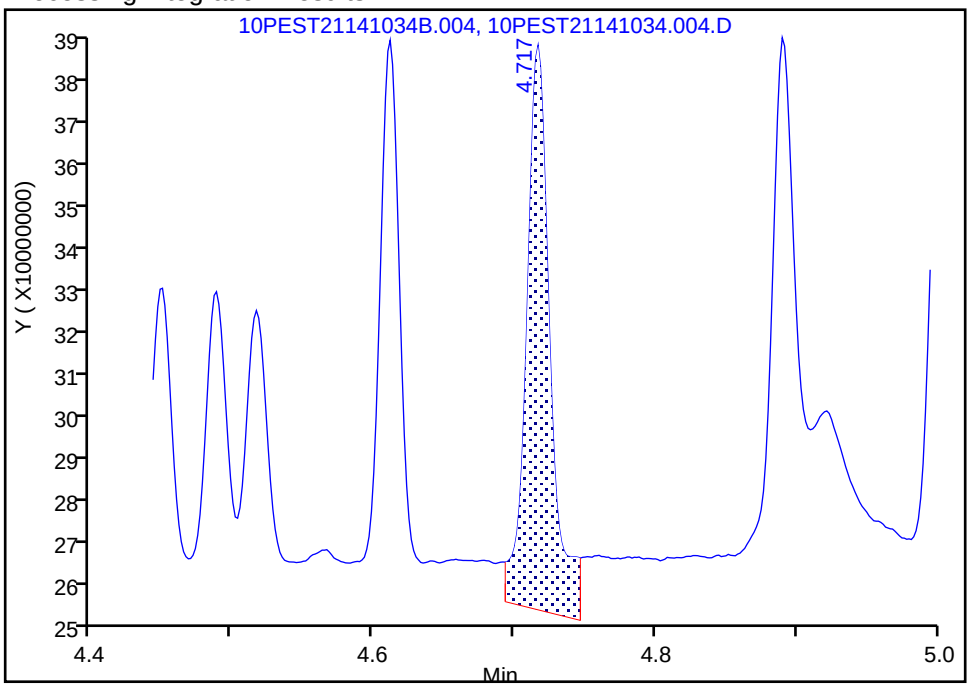
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

17 Dieldrin, CAS: 60-57-1

Signal: 2

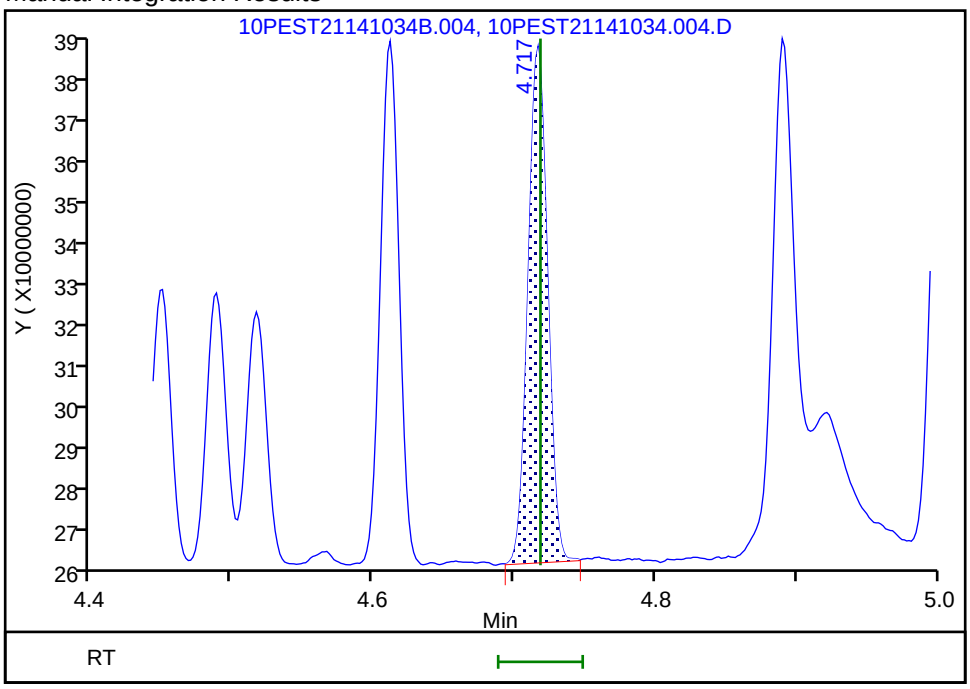
Processing Integration Results

RT: 4.72
Height: 128459562
Amount: 1.108143
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Height: 117385182
Amount: 1.039761
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:39:20
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

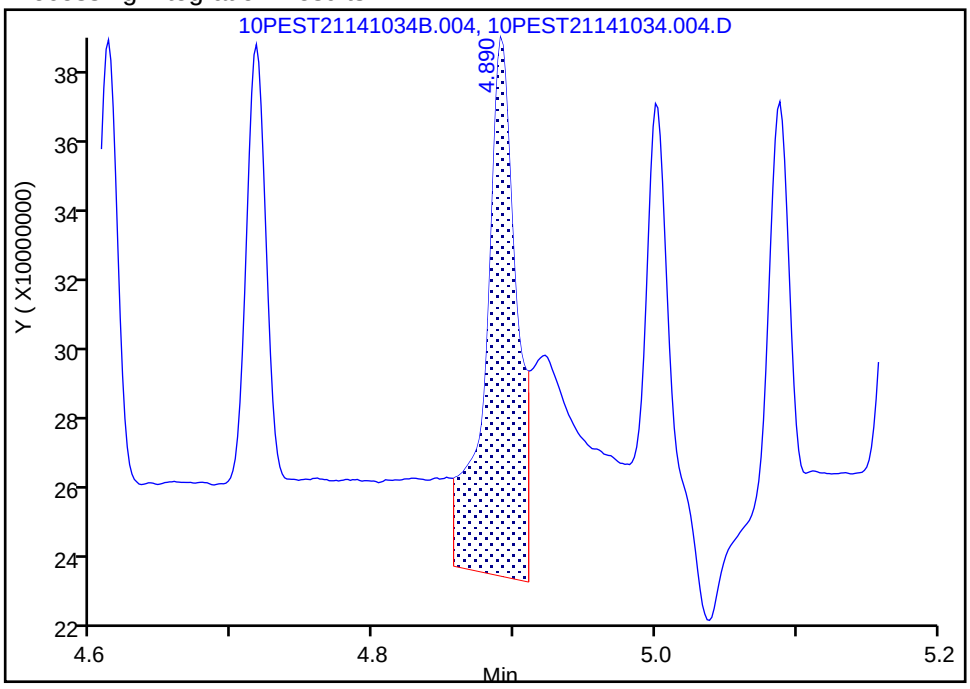
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

19 Endrin, CAS: 72-20-8

Signal: 2

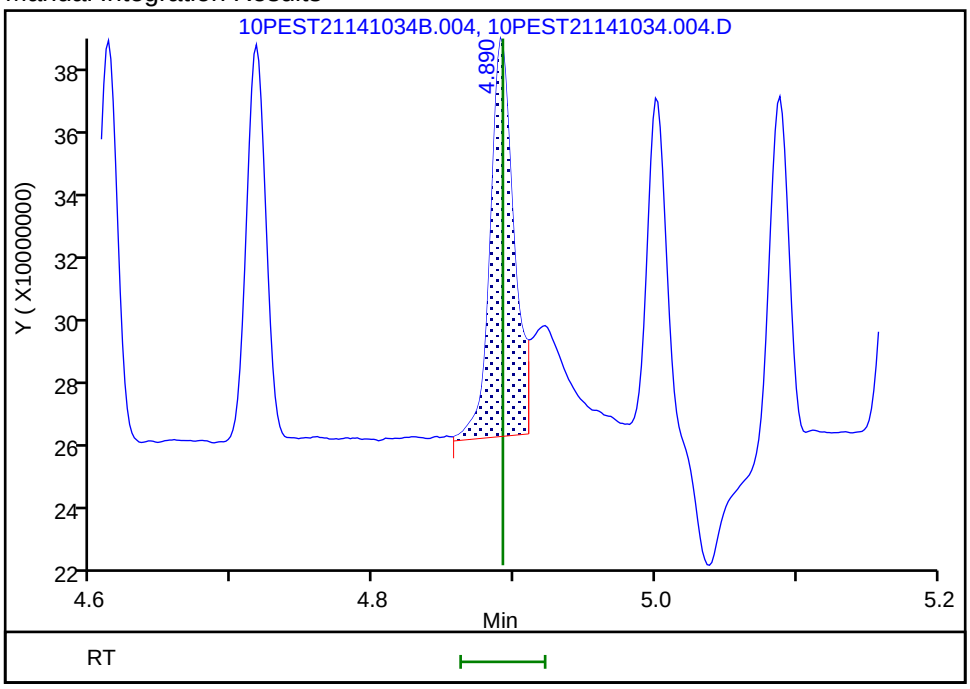
Processing Integration Results

RT: 4.89
Height: 144092328
Amount: 1.285590
Amount Units: ug/l



Manual Integration Results

RT: 4.89
Height: 117832997
Amount: 1.112558
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:39:23

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

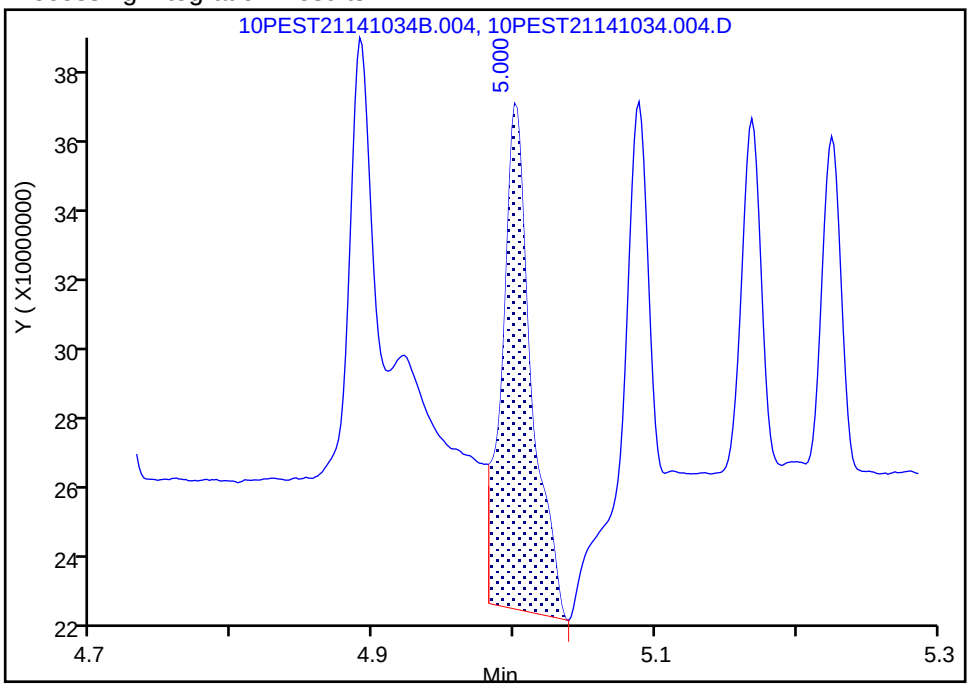
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

22 4,4'-DDD, CAS: 72-54-8

Signal: 2

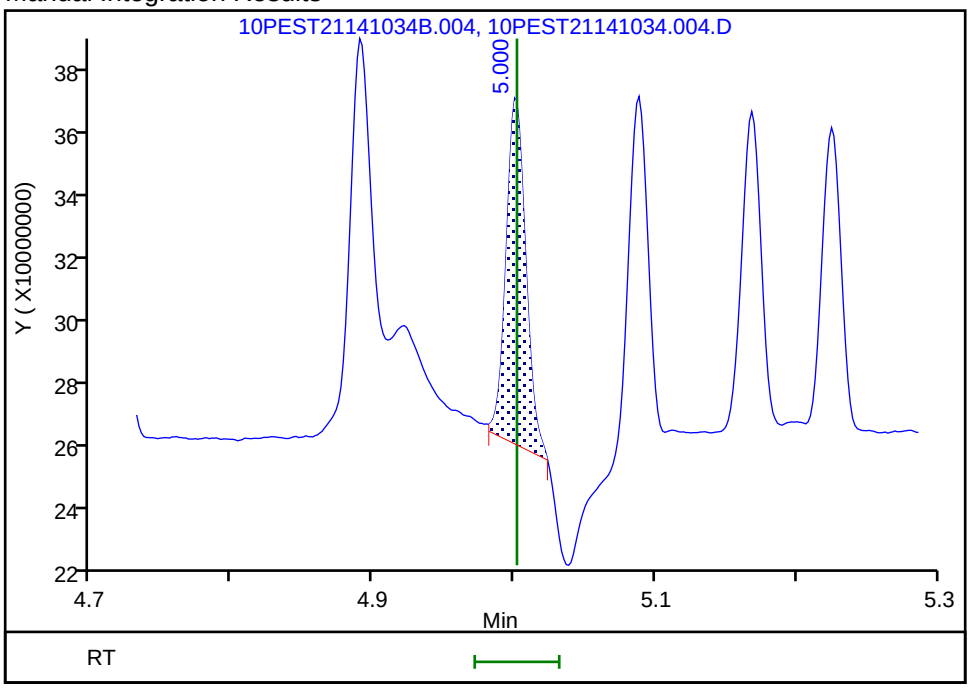
Processing Integration Results

RT: 5.00
Height: 135254924
Amount: 1.332653
Amount Units: ug/l



Manual Integration Results

RT: 5.00
Height: 102373978
Amount: 1.091584
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:39:32

Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

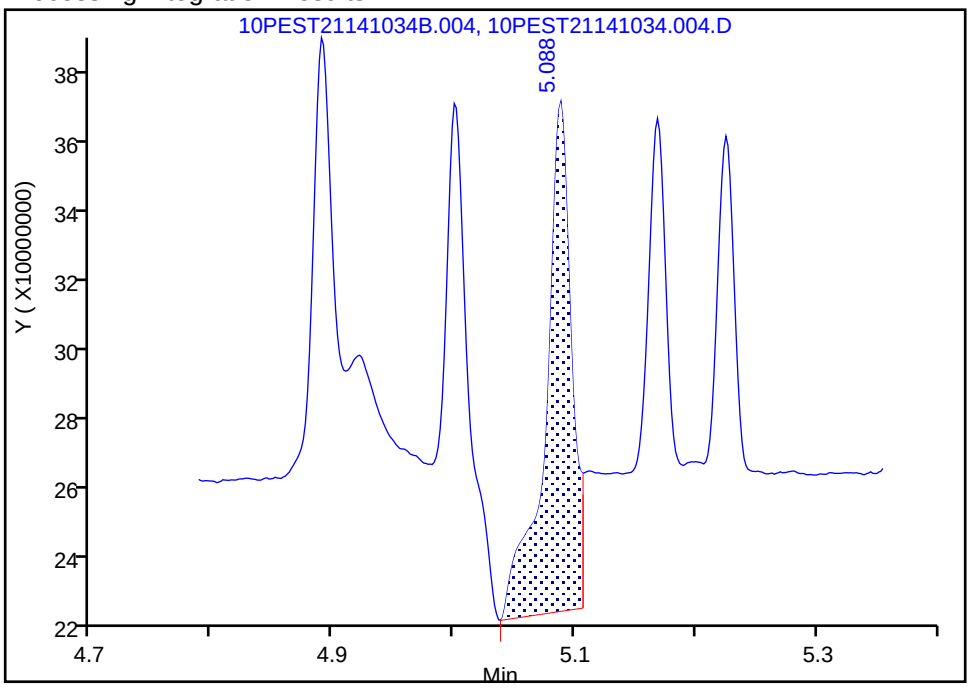
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

23 Endosulfan II, CAS: 33213-65-9

Signal: 2

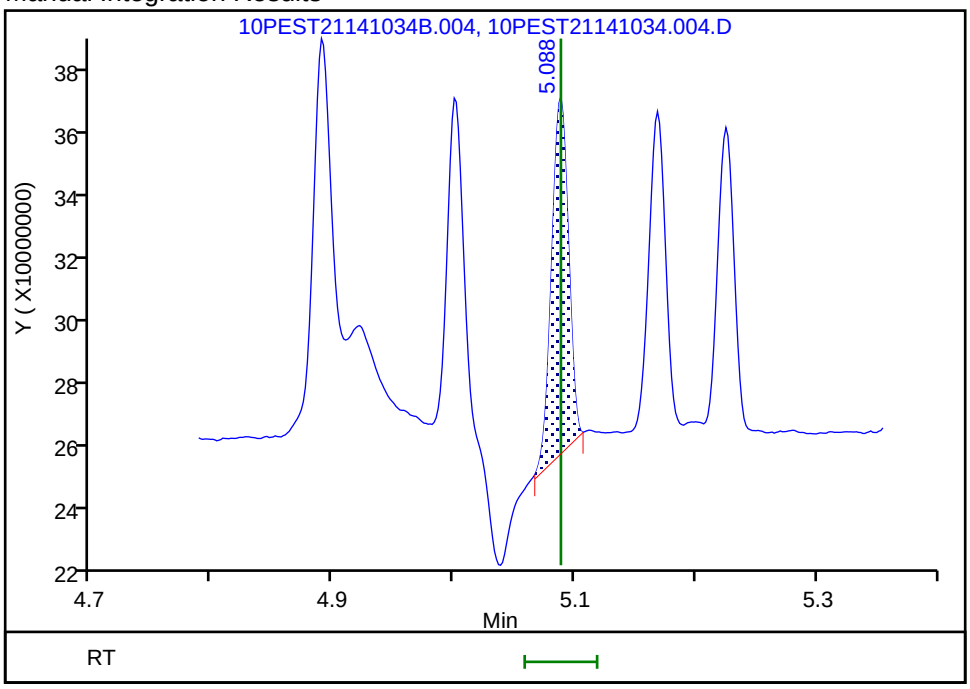
Processing Integration Results

RT: 5.09
Height: 136400941
Amount: 1.296748
Amount Units: ug/l



Manual Integration Results

RT: 5.09
Height: 105842850
Amount: 1.079622
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:39:55
Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

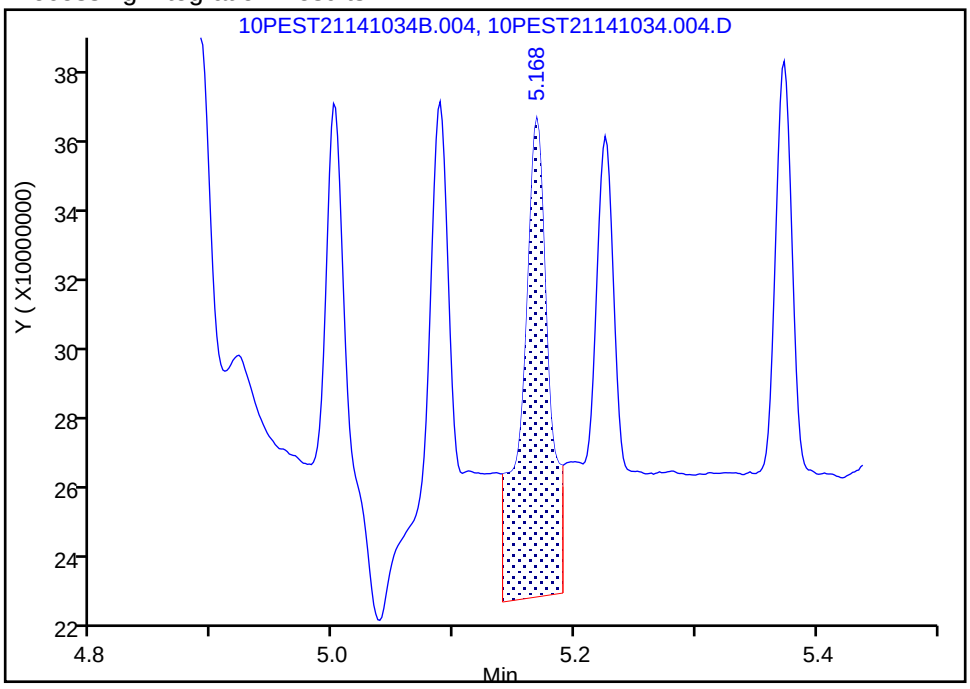
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

25 Endrin aldehyde, CAS: 7421-93-4

Signal: 2

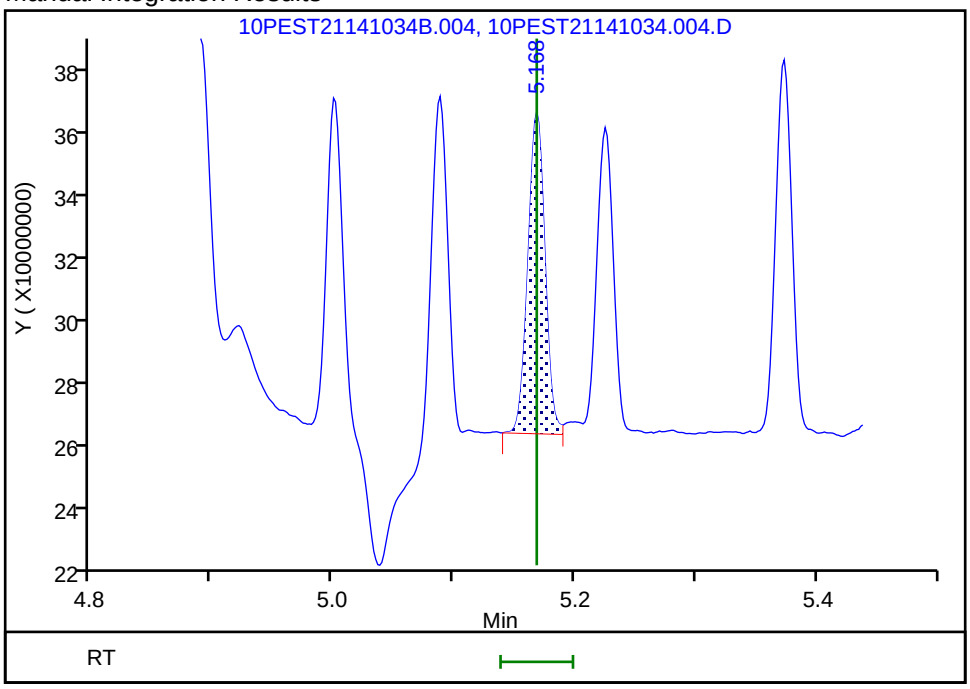
Processing Integration Results

RT: 5.17
Height: 128083304
Amount: 1.049420
Amount Units: ug/l



Manual Integration Results

RT: 5.17
Height: 95432358
Amount: 1.138973
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:40:38
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

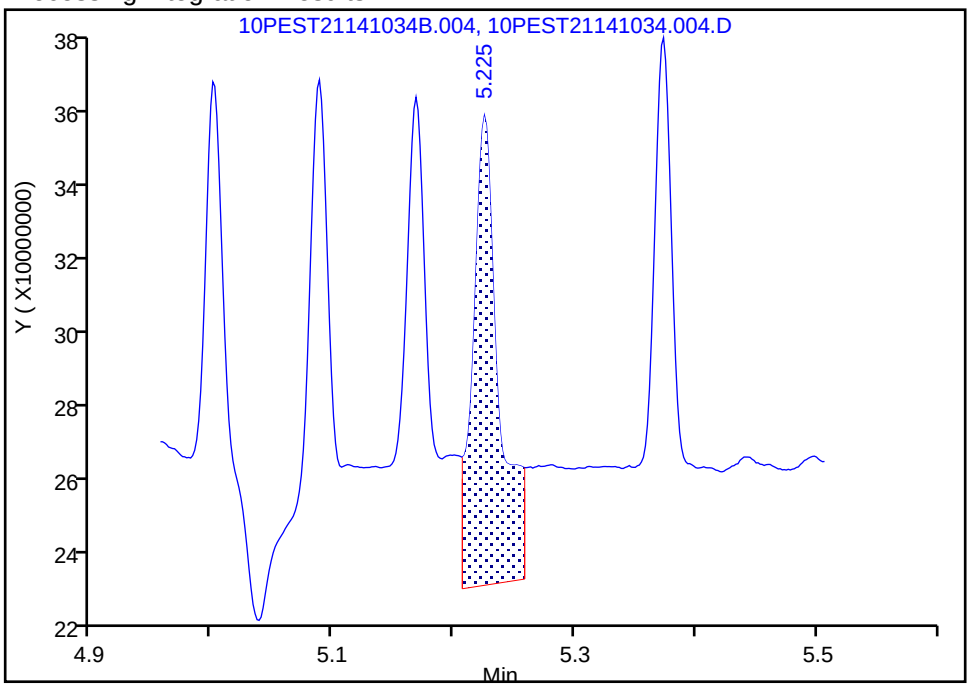
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

24 4,4'-DDT, CAS: 50-29-3

Signal: 2

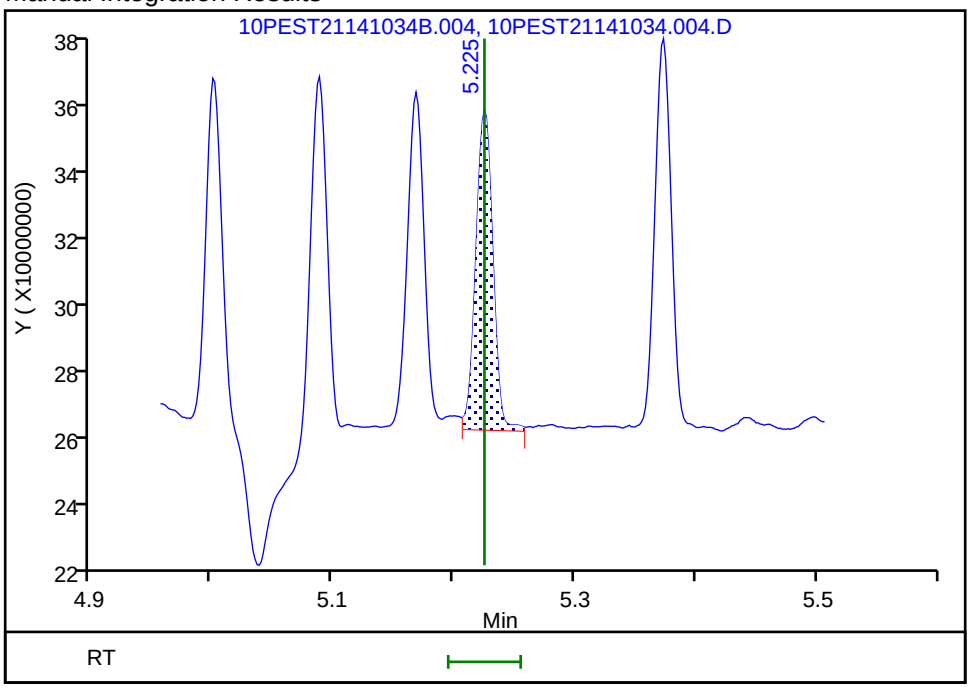
Processing Integration Results

RT: 5.23
Height: 120570996
Amount: 1.282370
Amount Units: ug/l



Manual Integration Results

RT: 5.23
Height: 91198260
Amount: 1.049627
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:40:38
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

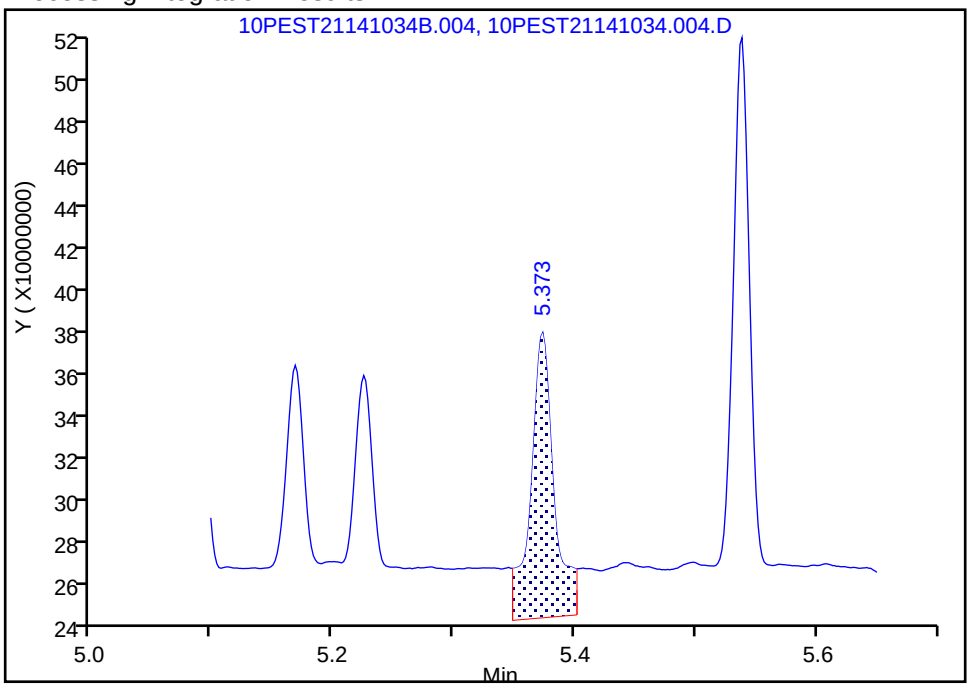
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

26 Endosulfan sulfate, CAS: 1031-07-8

Signal: 2

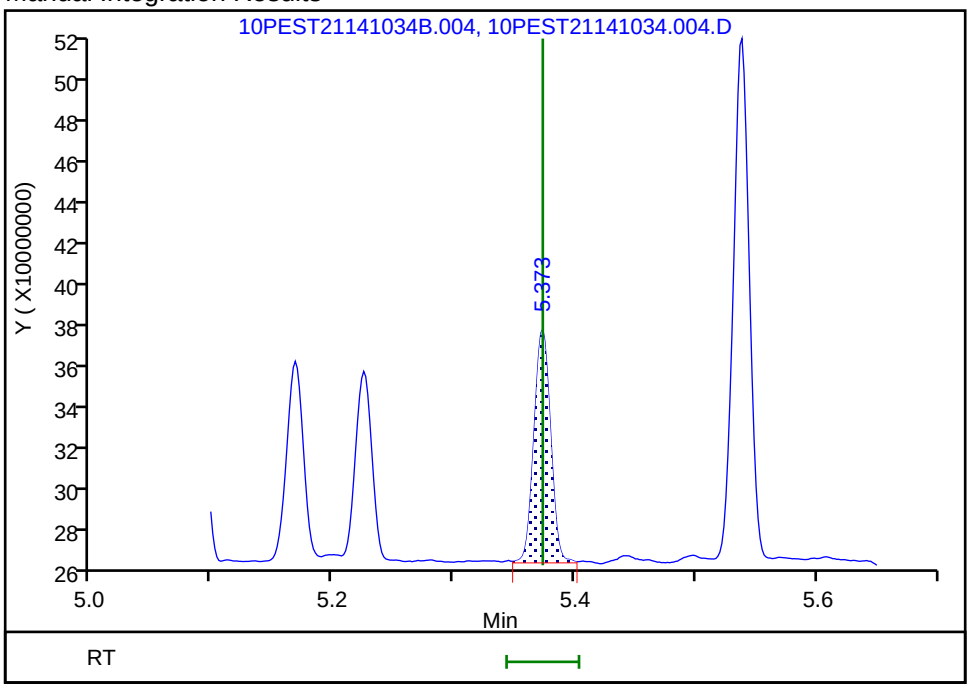
Processing Integration Results

RT: 5.37
Height: 133478009
Amount: 1.278737
Amount Units: ug/l



Manual Integration Results

RT: 5.37
Height: 111074786
Amount: 1.122754
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:40:12
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

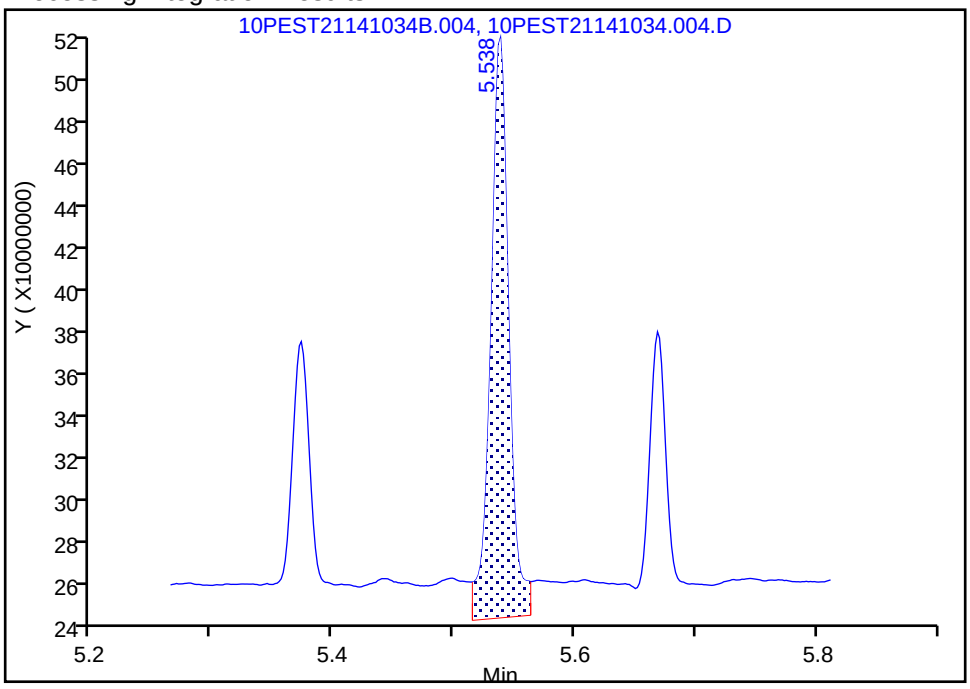
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

28 Methoxychlor, CAS: 72-43-5

Signal: 2

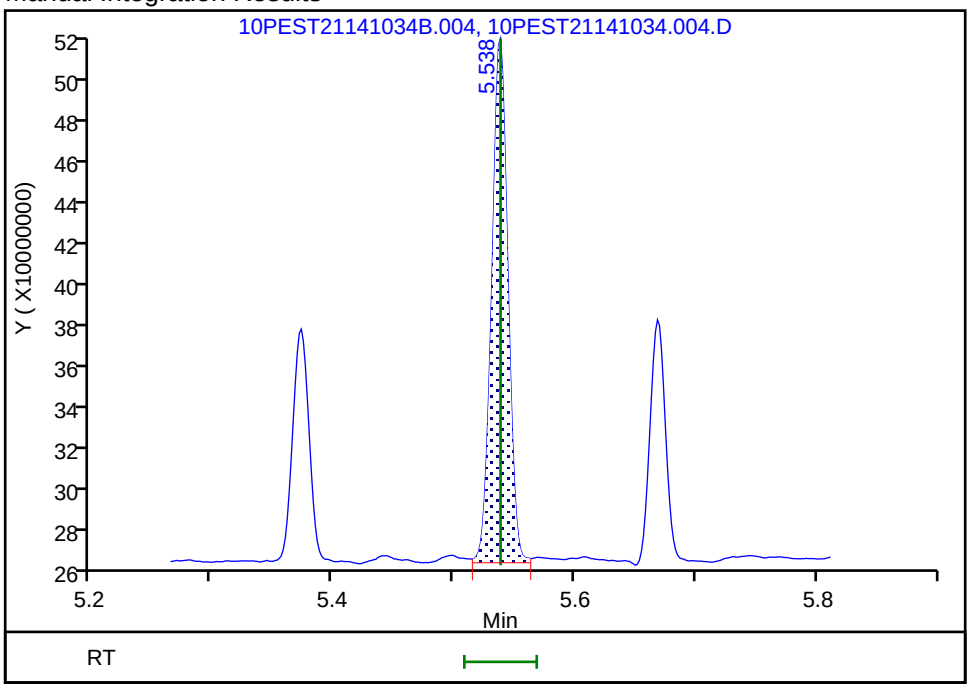
Processing Integration Results

RT: 5.54
Height: 263576176
Amount: 5.655686
Amount Units: ug/l



Manual Integration Results

RT: 5.54
Height: 249081676
Amount: 5.438595
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:40:12
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

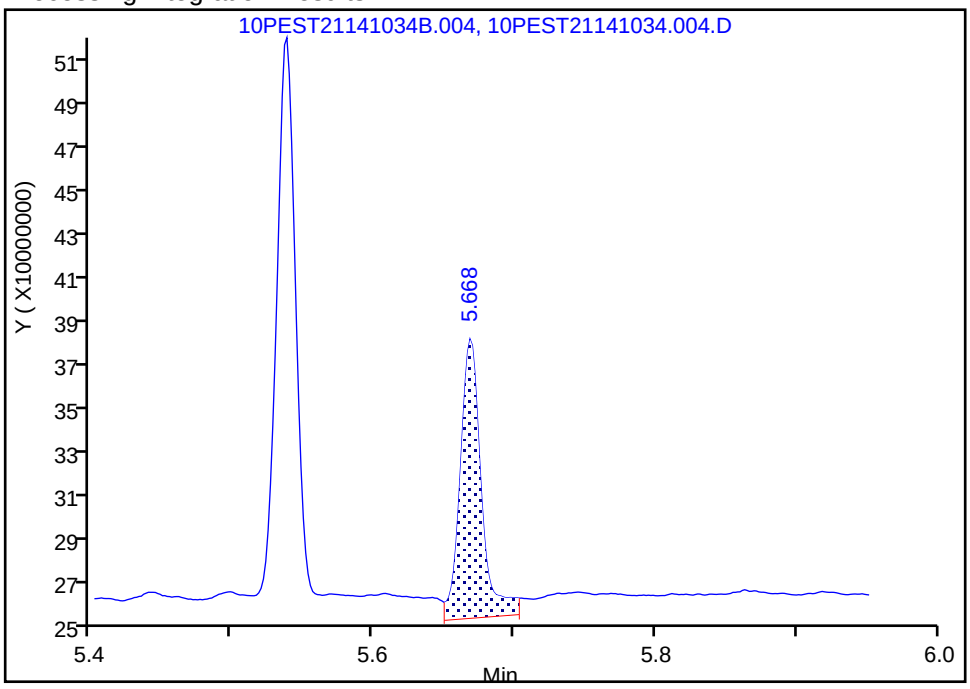
Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D
Injection Date: 21-Jun-2021 09:42:00 Instrument ID: 9191
Lims ID: ic mixa1
Client ID:
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PEST_9191 Limit Group: GCSV - 8081B
Column: Agilent DB-CLP2 (0.32 mm) Detector ECD2B

29 Endrin ketone, CAS: 53494-70-5

Signal: 2

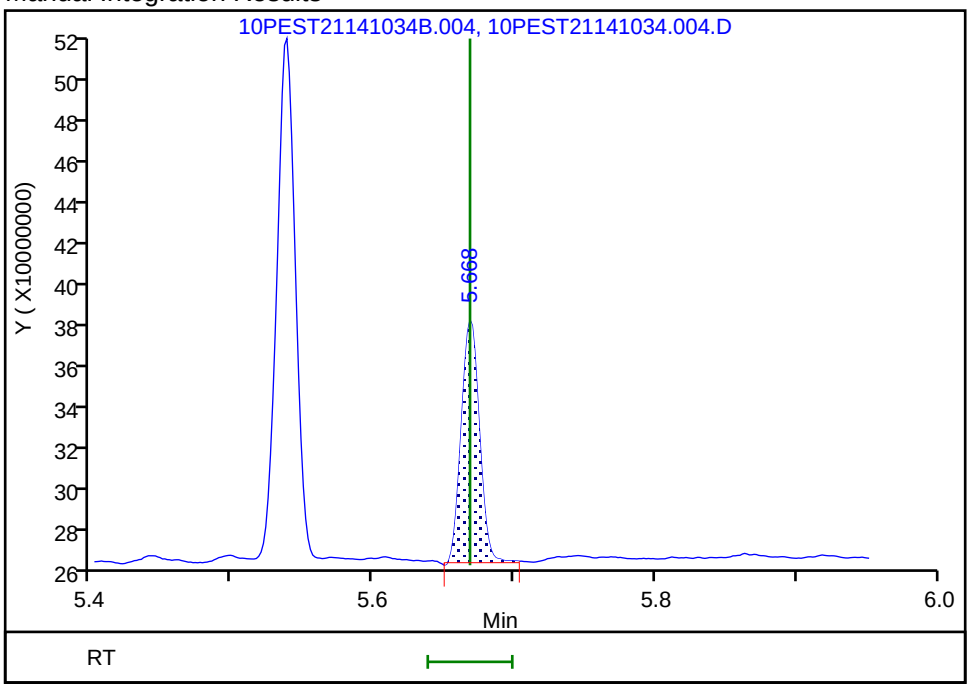
Processing Integration Results

RT: 5.67
Height: 123679774
Amount: 1.151321
Amount Units: ug/l



Manual Integration Results

RT: 5.67
Height: 115416390
Amount: 1.100336
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:40:12
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

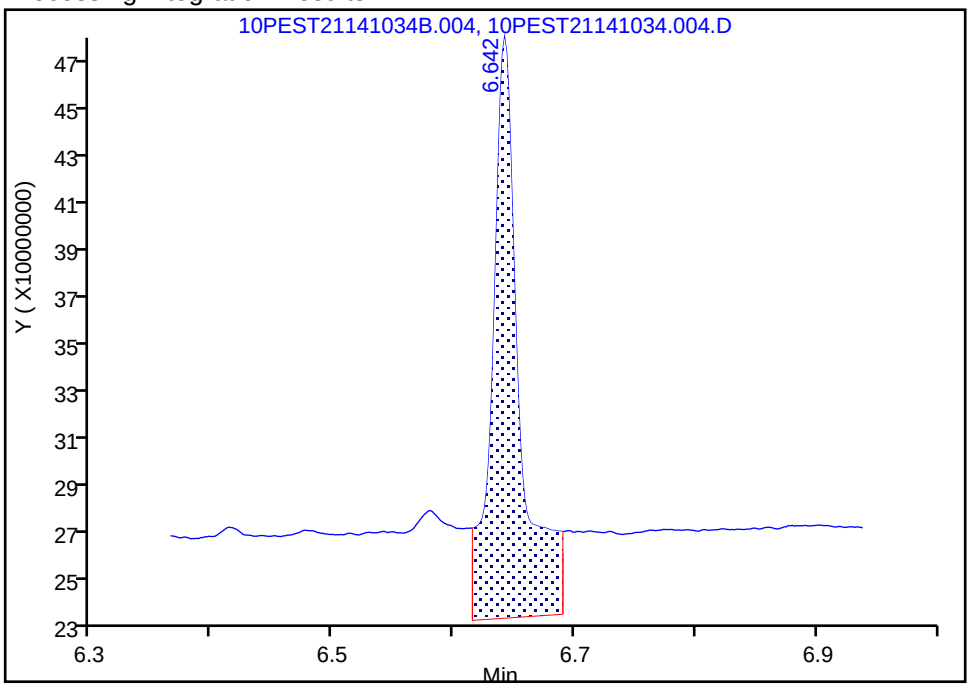
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.004.D				
Injection Date:	21-Jun-2021 09:42:00	Instrument ID:	9191		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

$ 31 DCB Decachlorobiphenyl (Surr), CAS: 2051-24-3

Signal: 2

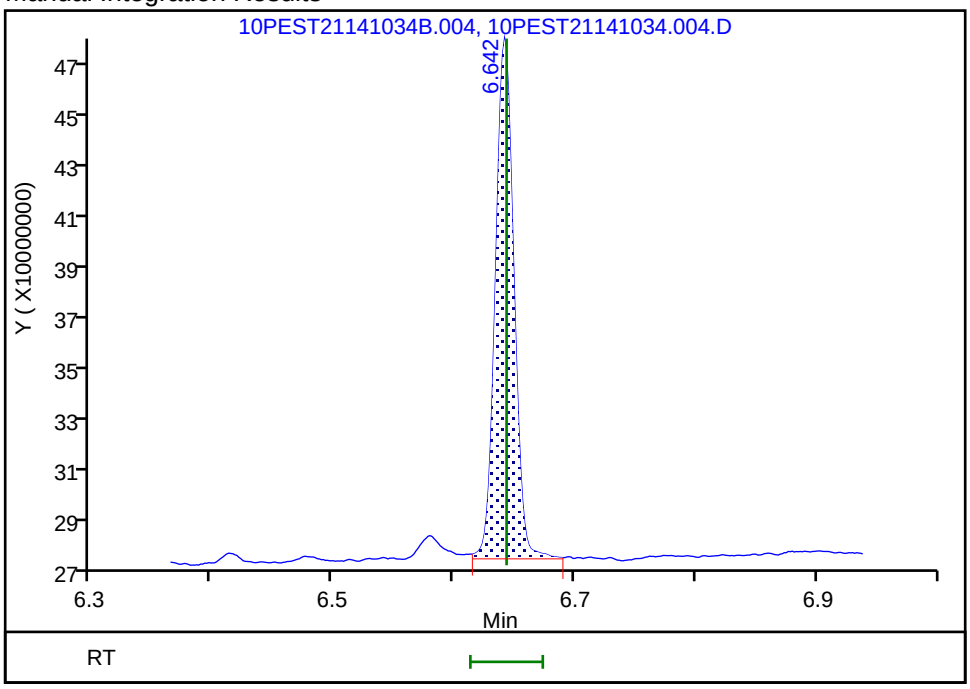
Processing Integration Results

RT: 6.64
Height: 236120066
Amount: 2.618723
Amount Units: ug/l



Manual Integration Results

RT: 6.64
Height: 201315356
Amount: 2.324695
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:39:01
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D
Lims ID: ic mixa2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Jun-2021 09:55:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a2
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 11:50:23 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

First Level Reviewer: dalea Date: 21-Jun-2021 11:43:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.825	1.820	0.005	671036037H	4.00	4.06	
2	2.368	2.367	0.001	414641008H	4.00	4.14	
						RPD = 1.94	
3 alpha-BHC							
1	2.230	2.225	0.005	240743924H	1.01	0.9753	
2	2.700	2.698	0.002	144404365H	1.01	1.01	
						RPD = 3.84	
4 gamma-BHC (Lindane)							
1	2.518	2.513	0.005	212519304H	1.00	0.9885	
2	2.988	2.987	0.001	127978499H	1.00	1.04	
						RPD = 5.36	
6 beta-BHC							
1	2.720	2.715	0.005	108040474H	1.00	1.09	
2	3.235	3.235	0.000	66808679H	1.00	1.14	
						RPD = 4.73	
7 Heptachlor							
1	2.818	2.813	0.005	175808539H	1.00	1.03	
2	3.542	3.540	0.002	125454550H	1.00	1.06	
						RPD = 2.54	
8 delta-BHC							
1	2.972	2.967	0.005	201604145H	1.00	0.9606	
2	3.477	3.475	0.002	130868089H	1.00	1.01	
						RPD = 5.05	
9 Aldrin							
1	3.097	3.092	0.005	172525331H	1.00	0.9783	
2	3.827	3.825	0.002	120052344H	1.00	1.02	
						RPD = 4.62	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.590	3.585	0.005	171033092H	1.01	1.03	
2	4.195	4.193	0.002	121879552H	1.01	1.12	
						RPD = 8.21	
12 trans-Chlordane							M
1	3.792	3.787	0.005	166550637H	1.00	0.99	
2	4.452	4.450	0.002	119520915H	1.00	1.03	M
						RPD = 3.97	
14 cis-Chlordane							M
1	3.873	3.868	0.005	171508629H	1.00	1.00	
2	4.492	4.490	0.002	120521985H	1.00	1.06	M
						RPD = 6.44	
15 Endosulfan I							M
1	3.915	3.910	0.005	164919470H	1.00	1.02	
2	4.520	4.518	0.002	113418604H	1.00	1.08	M
						RPD = 5.93	
16 4,4'-DDE							M
1	4.055	4.050	0.005	345752647H	2.00	1.98	
2	4.613	4.613	0.000	231066140H	2.00	1.99	M
						RPD = 0.63	
17 Dieldrin							M
1	4.153	4.148	0.005	345013204H	2.00	1.97	
2	4.718	4.718	0.000	230148402H	2.00	2.04	M
						RPD = 3.56	
19 Endrin							M
1	4.403	4.398	0.005	328563005H	2.00	2.02	
2	4.893	4.892	0.001	228429735H	2.00	2.16	M
						RPD = 6.46	
22 4,4'-DDD							M
1	4.517	4.512	0.005	265539457H	2.01	1.94	
2	5.003	5.002	0.001	197863768H	2.01	2.11	M
						RPD = 8.28	
23 Endosulfan II							M
1	4.615	4.610	0.005	322225033H	2.00	2.03	
2	5.090	5.088	0.002	209514481H	2.00	2.14	M
						RPD = 5.13	
24 4,4'-DDT							M
1	4.725	4.720	0.005	257170925H	2.01	1.96	
2	5.227	5.225	0.002	180131878H	2.01	2.07	M
						RPD = 5.63	
25 Endrin aldehyde							M
1	4.790	4.785	0.005	280082406H	2.00	2.06	
2	5.170	5.168	0.002	180915566H	2.00	2.16	M
						RPD = 4.74	
26 Endosulfan sulfate							M
1	4.942	4.937	0.005	330995869H	2.00	2.07	
2	5.375	5.373	0.002	213868998H	2.00	2.16	M
						RPD = 4.54	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							M
1	5.233	5.228	0.005	715114056H	10.0	10.7	
2	5.540	5.538	0.002	481934908H	10.0	10.5	M
						RPD = 1.80	
29 Endrin ketone							M
1	5.373	5.368	0.005	338368219H	2.00	2.03	
2	5.670	5.668	0.002	217603884H	2.00	2.07	M
						RPD = 2.28	
$ 31 DCB Decachlorobiphenyl (Surr)							M
1	6.133	6.130	0.003	737139642H	4.00	4.25	
2	6.643	6.643	0.000	369491847H	4.00	4.27	M
						RPD = 0.31	
S 32 Total DDTs							
1						2.07	
2						1.96	
						RPD = 5.63	
S 33 Endosulfan, Total							
1						3.22	
2						3.05	
						RPD = 5.40	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCS_MIXA2_00003 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 11:50:24 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D

Injection Date: 21-Jun-2021 09:55:00 Instrument ID: 9191

Lims ID: ic mixa2

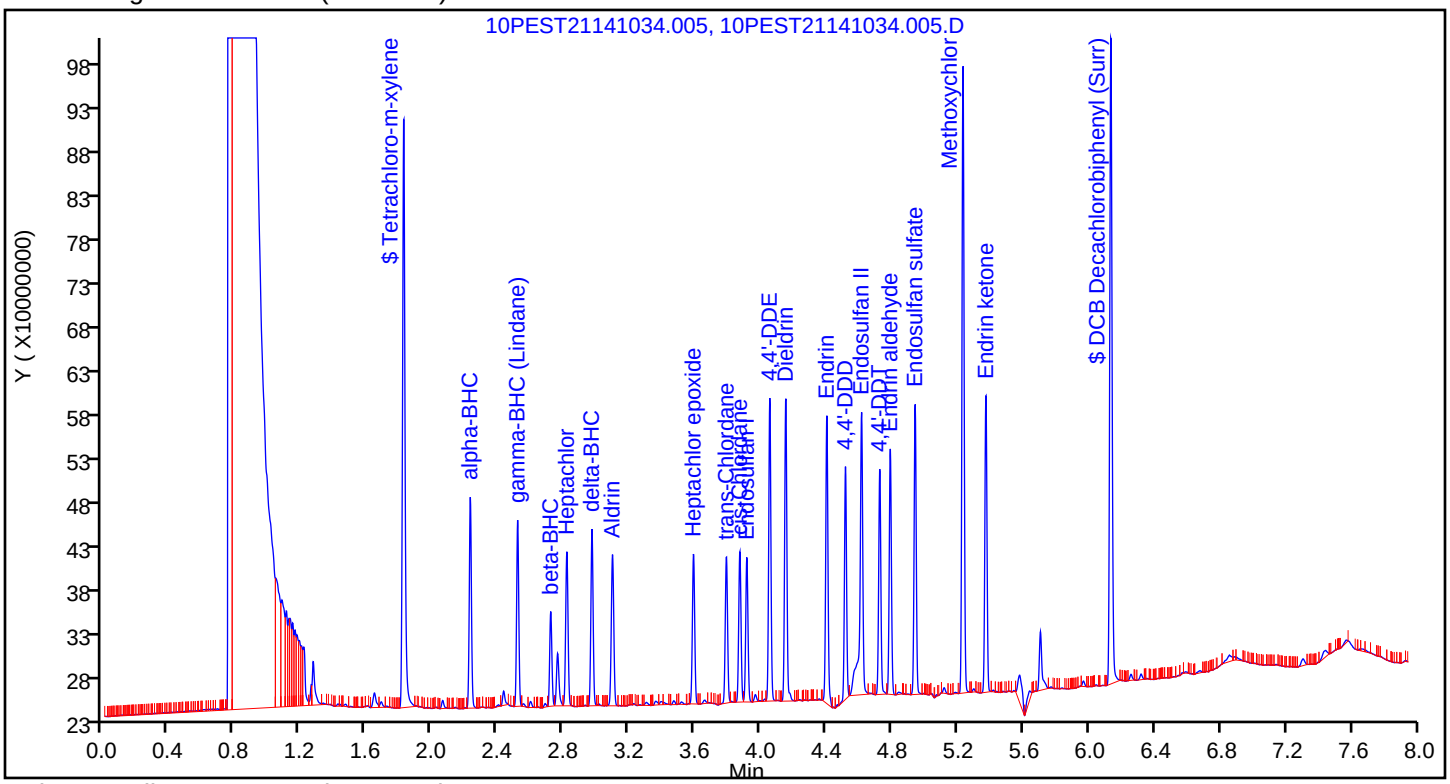
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 5

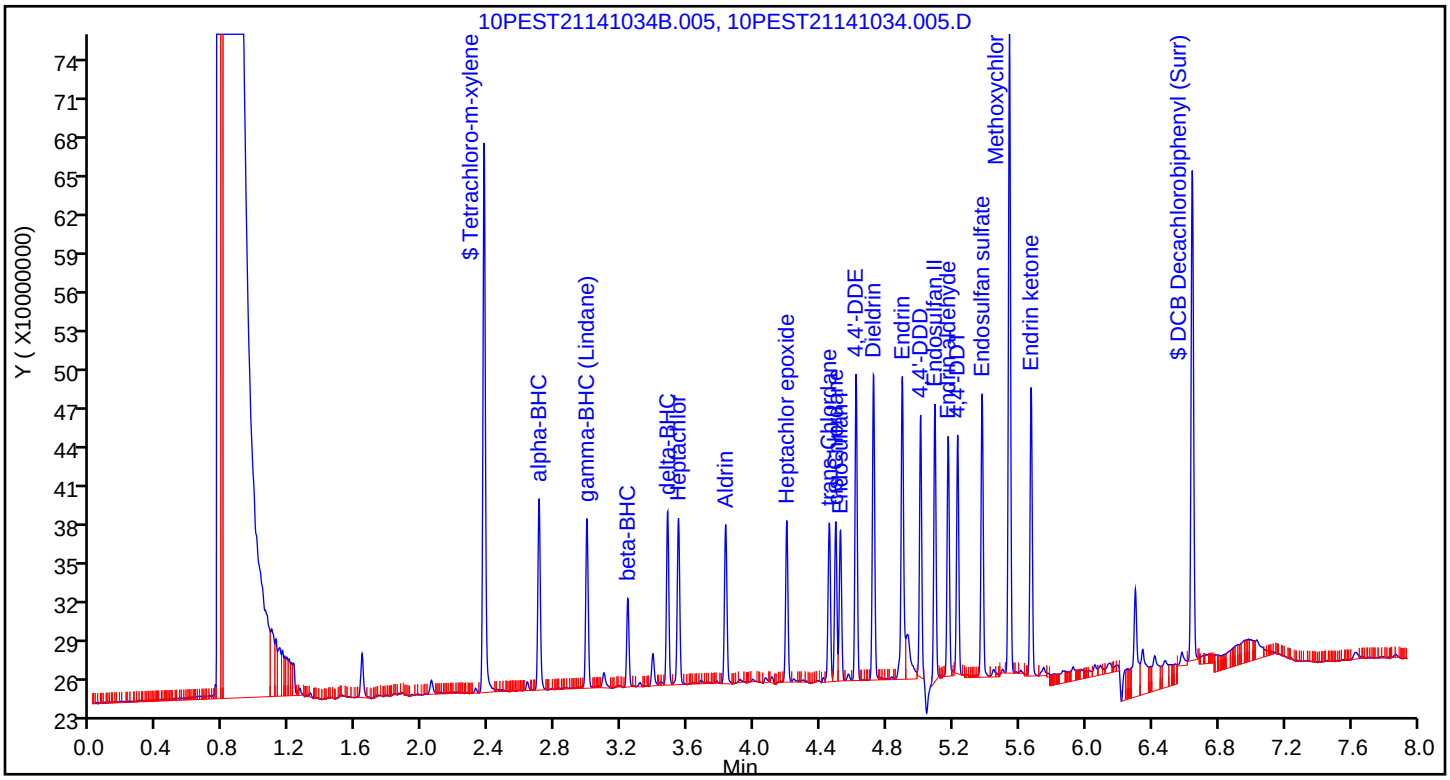
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

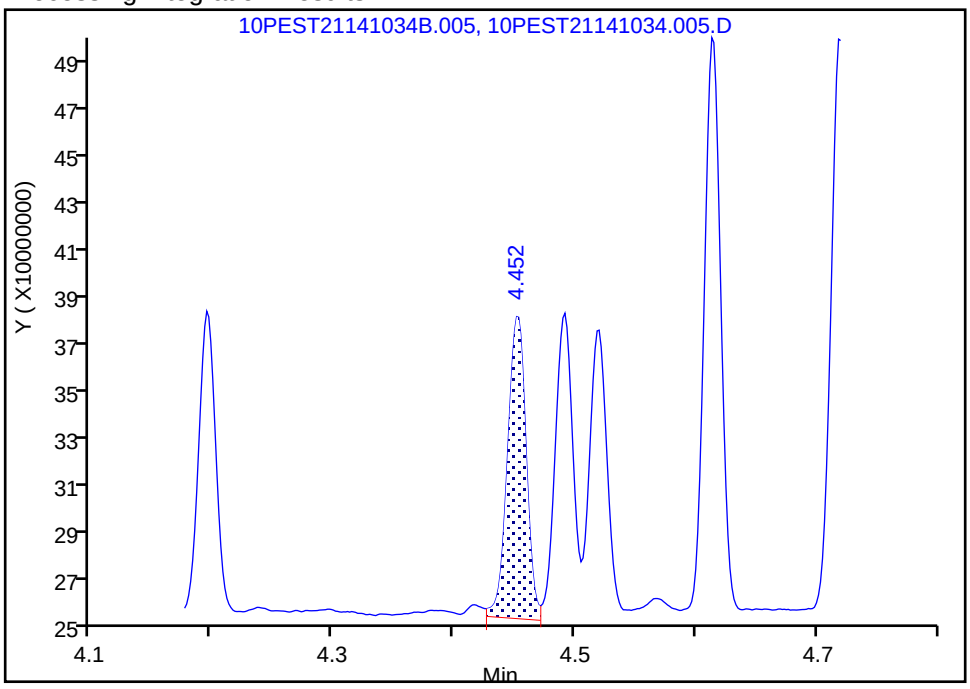
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

12 trans-Chlordane, CAS: 5103-74-2

Signal: 2

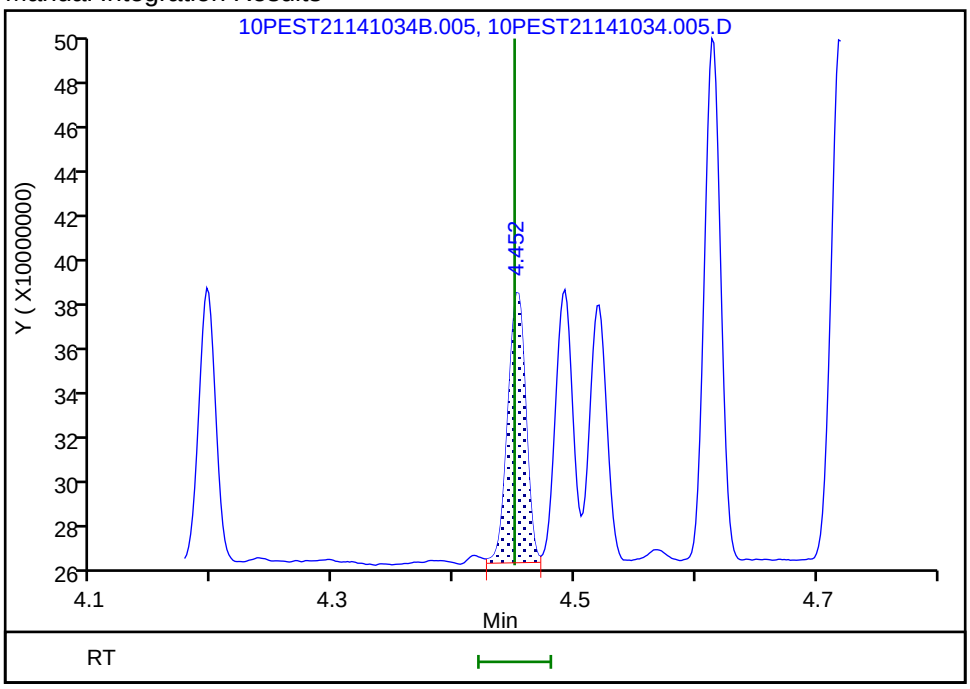
Processing Integration Results

RT: 4.45
Height: 121842301
Amount: 1.050520
Amount Units: ug/l



Manual Integration Results

RT: 4.45
Height: 119520915
Amount: 1.034428
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:41:49
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

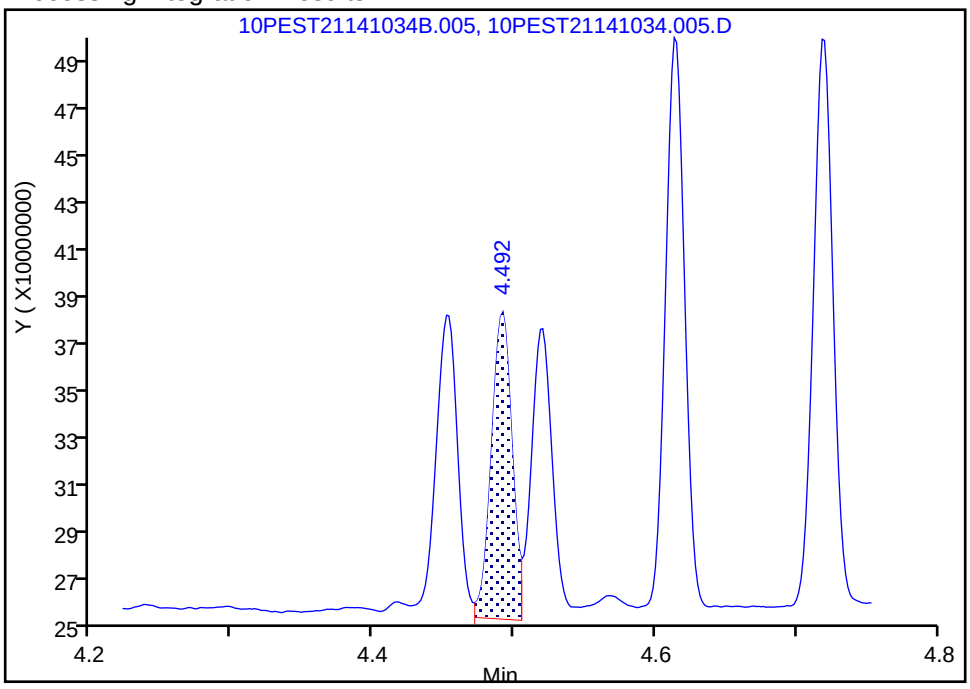
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

14 cis-Chlordane, CAS: 5103-71-9

Signal: 2

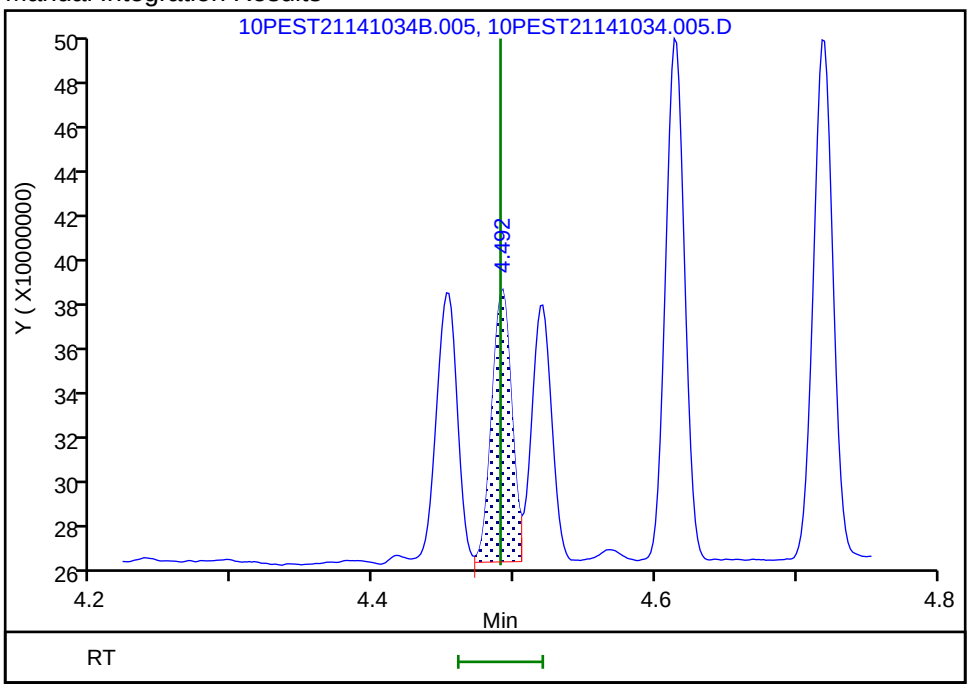
Processing Integration Results

RT: 4.49
Height: 124666301
Amount: 1.093787
Amount Units: ug/l



Manual Integration Results

RT: 4.49
Height: 120521985
Amount: 1.064470
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:41:49
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

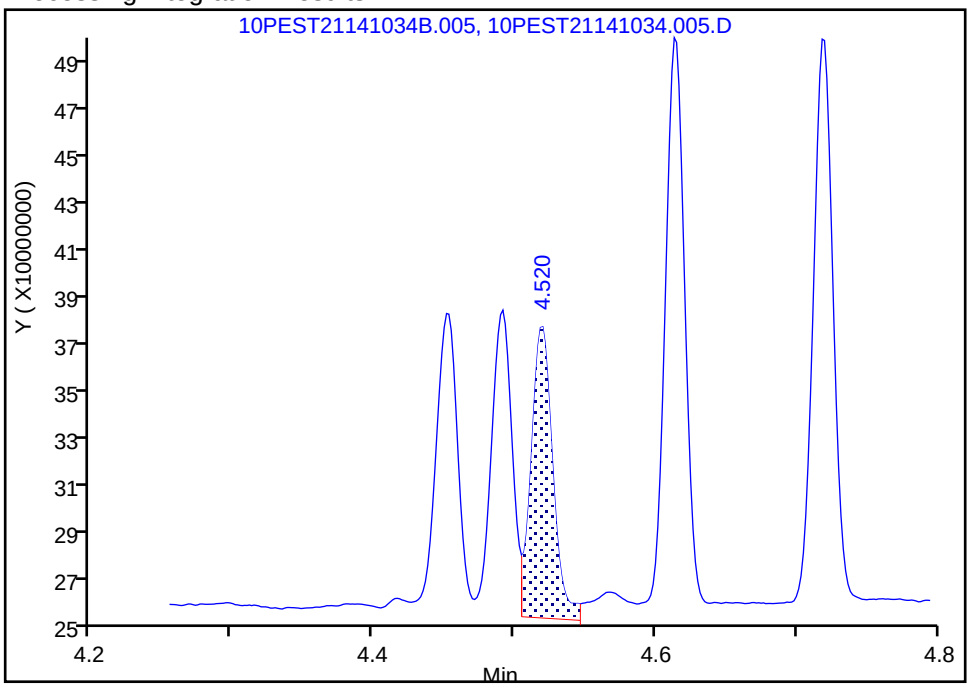
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

15 Endosulfan I, CAS: 959-98-8

Signal: 2

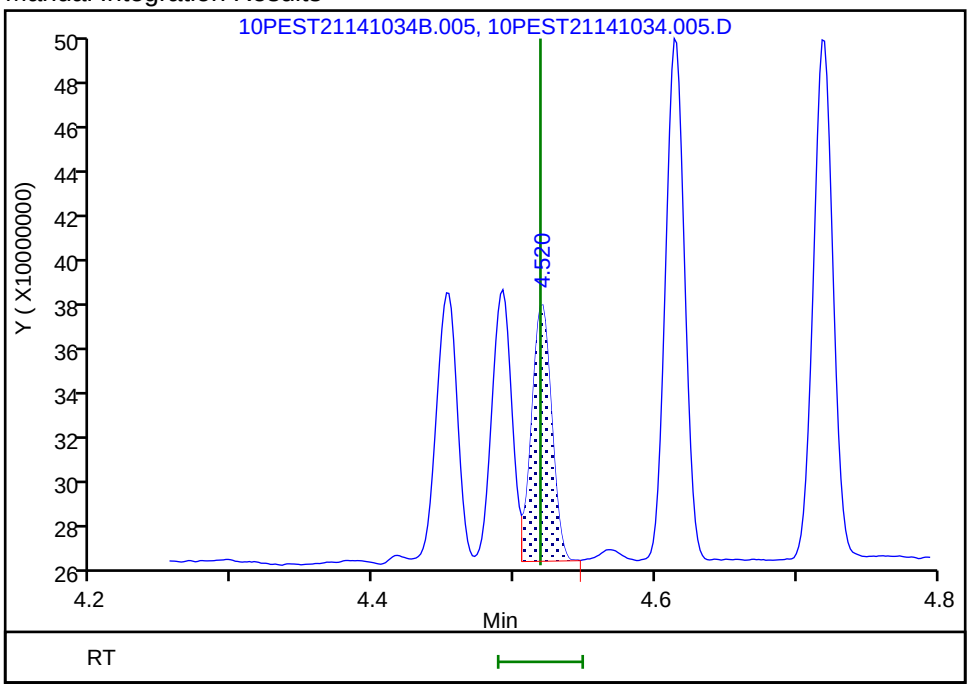
Processing Integration Results

RT: 4.52
Height: 118854162
Amount: 1.121550
Amount Units: ug/l



Manual Integration Results

RT: 4.52
Height: 113418604
Amount: 1.080215
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:41:49
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

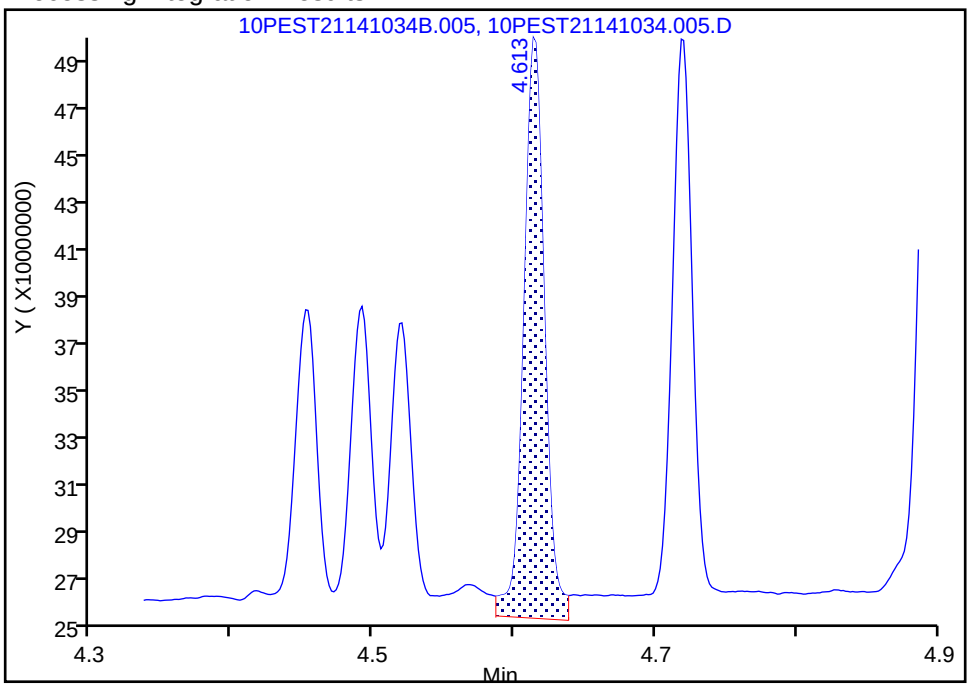
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

16 4,4'-DDE, CAS: 72-55-9

Signal: 2

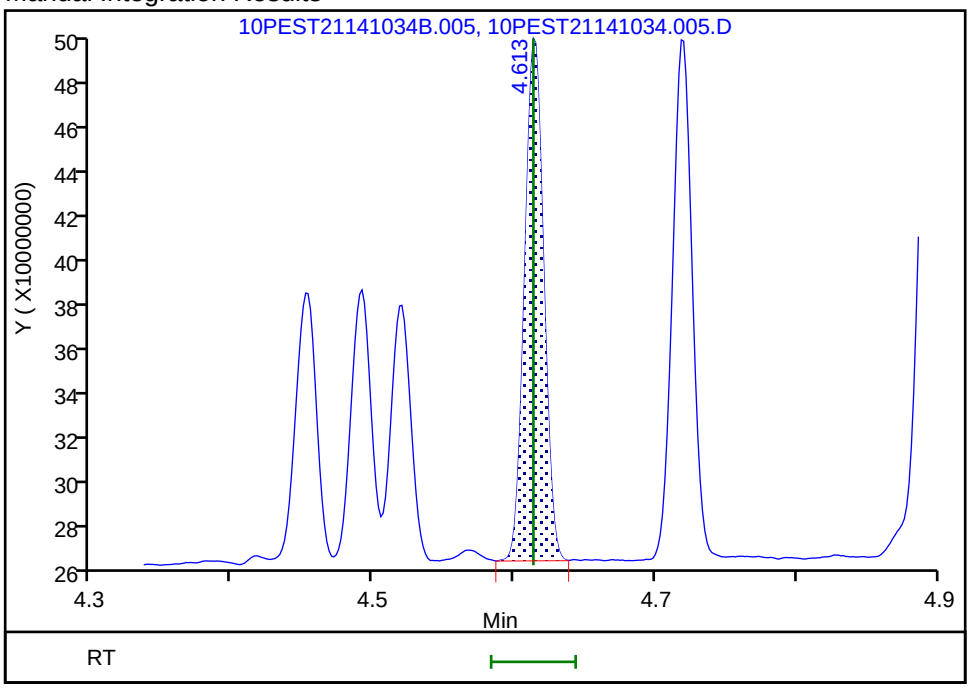
Processing Integration Results

RT: 4.61
Height: 240218293
Amount: 2.056617
Amount Units: ug/l



Manual Integration Results

RT: 4.61
Height: 231066140
Amount: 1.992086
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:42:03
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

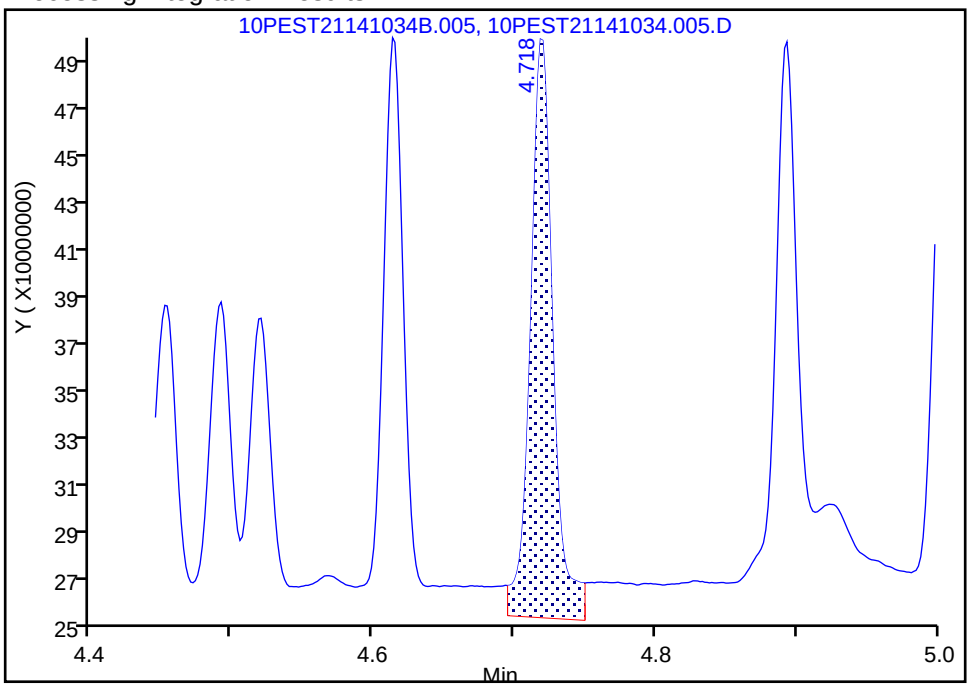
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

17 Dieldrin, CAS: 60-57-1

Signal: 2

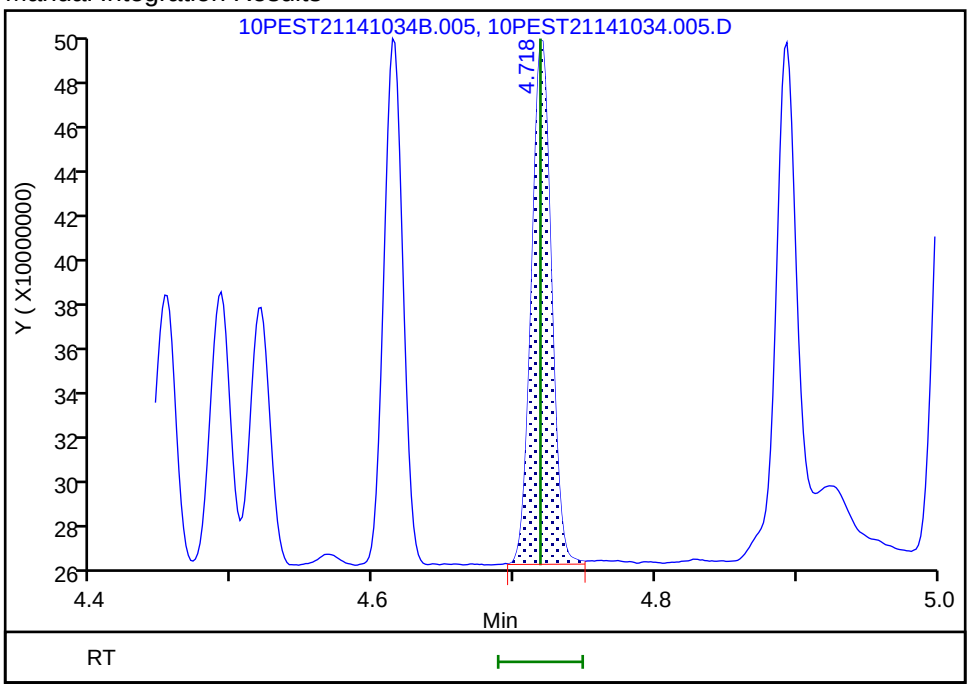
Processing Integration Results

RT: 4.72
Height: 243404281
Amount: 2.133952
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Height: 230148402
Amount: 2.038581
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:42:03
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

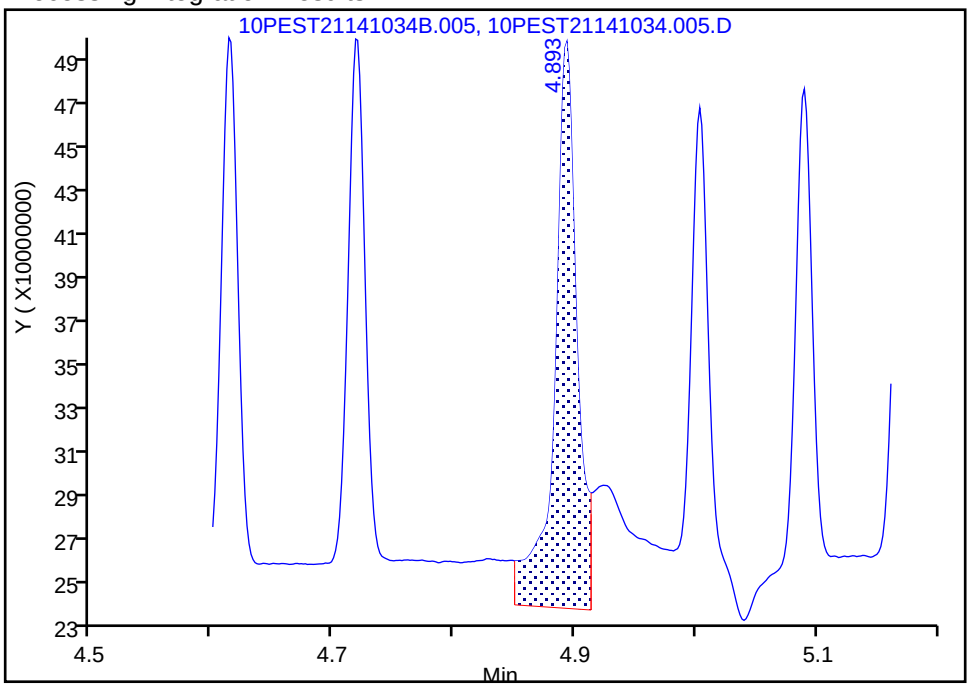
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

19 Endrin, CAS: 72-20-8

Signal: 2

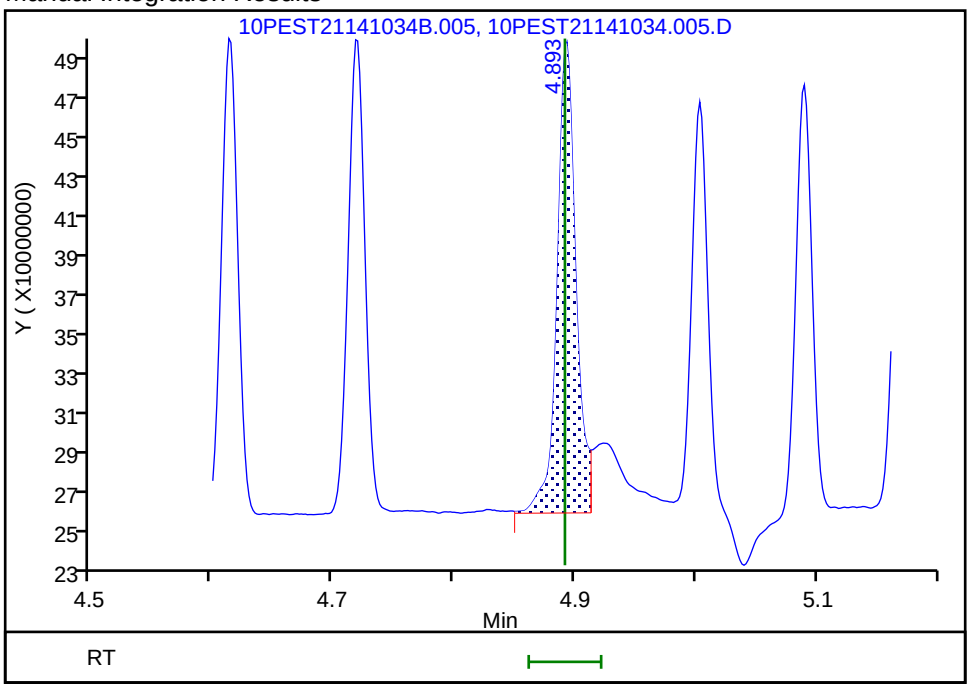
Processing Integration Results

RT: 4.89
Height: 248525158
Amount: 2.308194
Amount Units: ug/l



Manual Integration Results

RT: 4.89
Height: 228429735
Amount: 2.156793
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:42:03
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

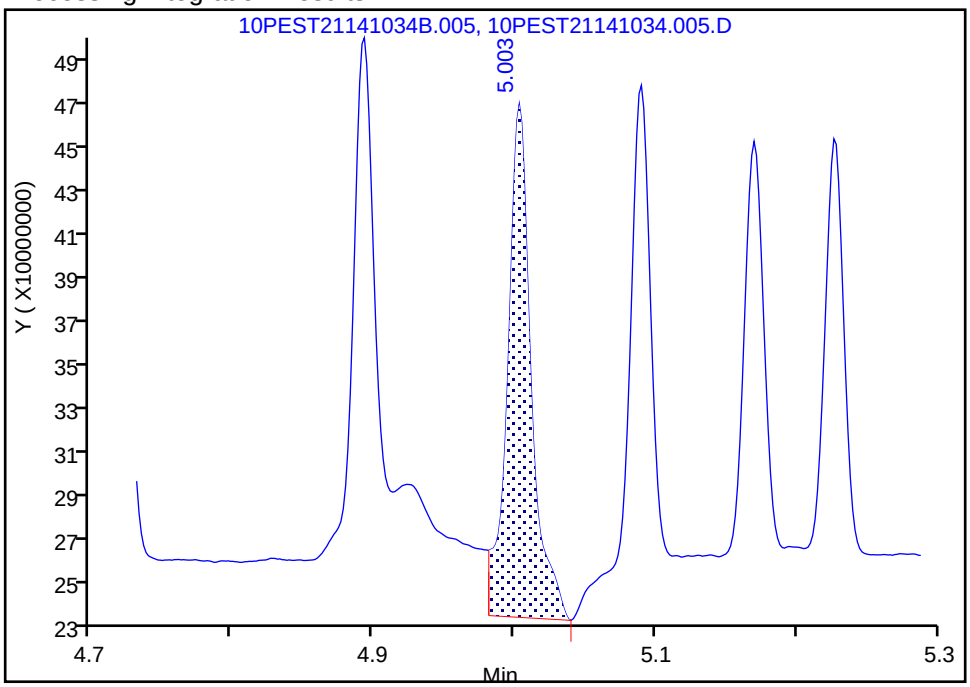
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

22 4,4'-DDD, CAS: 72-54-8

Signal: 2

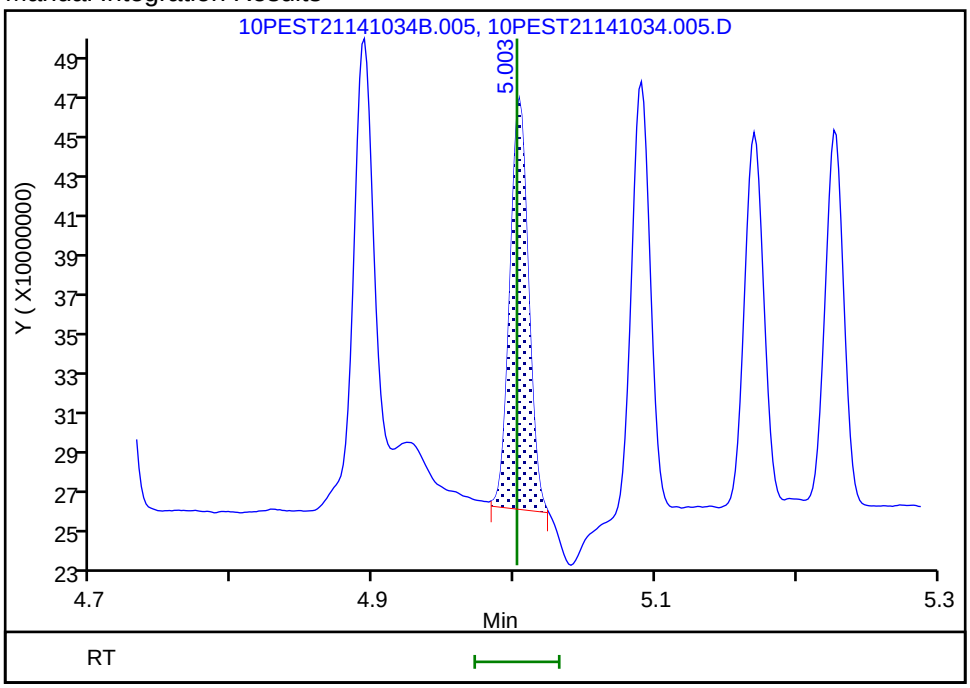
Processing Integration Results

RT: 5.00
Height: 223462357
Amount: 2.327661
Amount Units: ug/l



Manual Integration Results

RT: 5.00
Height: 197863768
Amount: 2.109765
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:42:18
Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

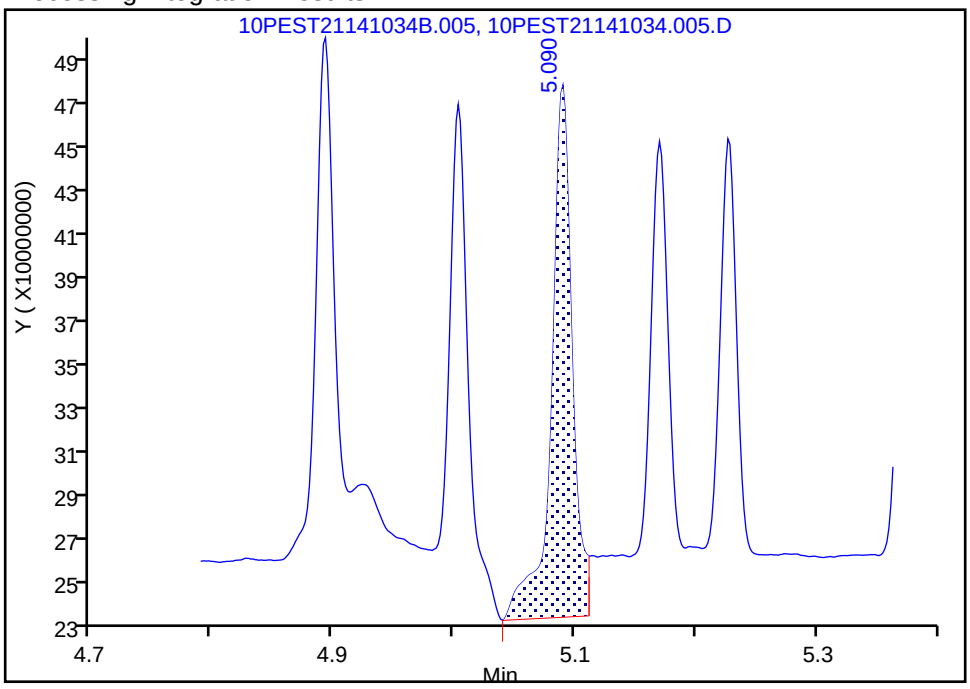
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

23 Endosulfan II, CAS: 33213-65-9

Signal: 2

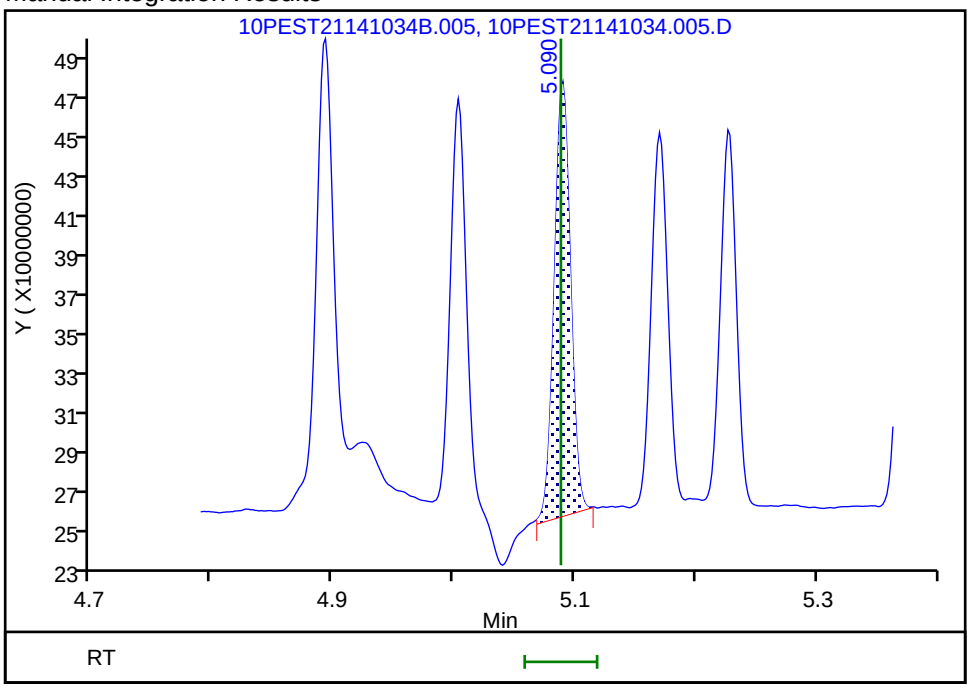
Processing Integration Results

RT: 5.09
Height: 231663179
Amount: 2.315408
Amount Units: ug/l



Manual Integration Results

RT: 5.09
Height: 209514481
Amount: 2.137096
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:42:28
Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

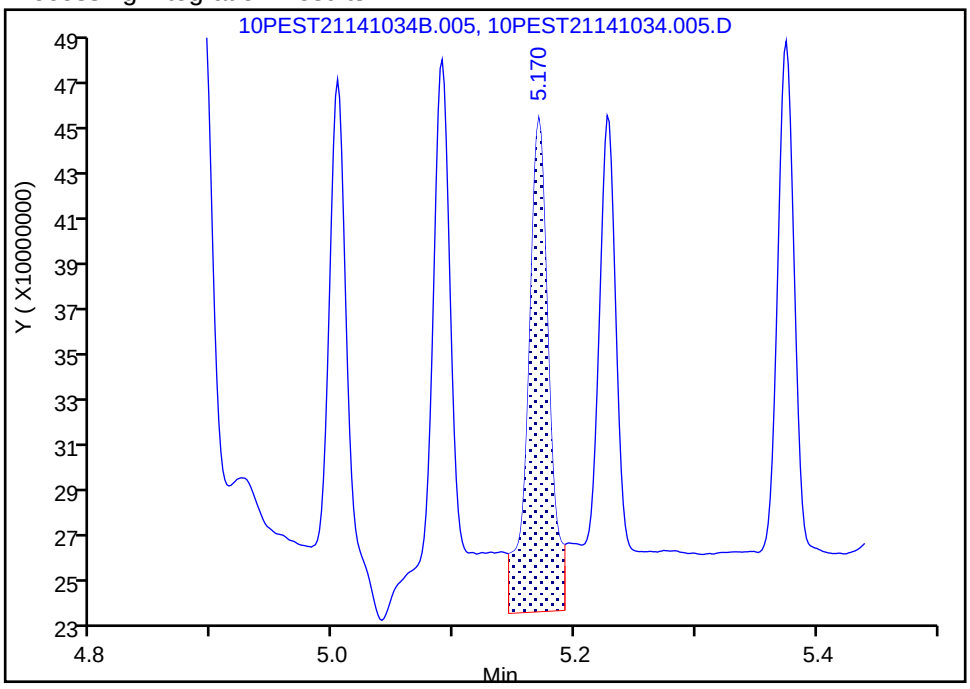
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

25 Endrin aldehyde, CAS: 7421-93-4

Signal: 2

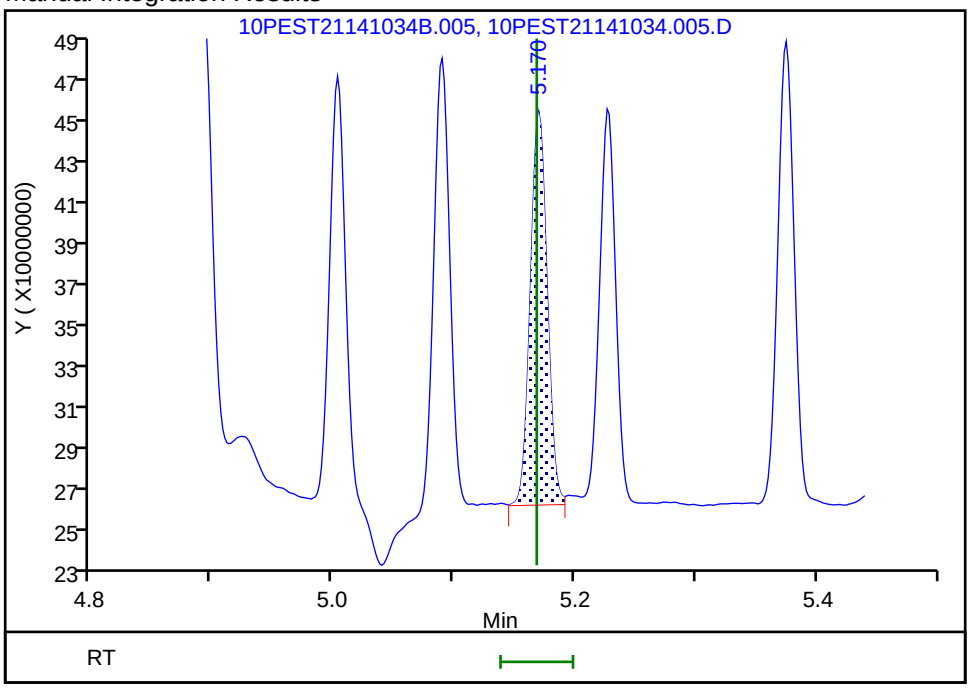
Processing Integration Results

RT: 5.17
Height: 205035063
Amount: 2.384484
Amount Units: ug/l



Manual Integration Results

RT: 5.17
Height: 180915566
Amount: 2.159203
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:42:45

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

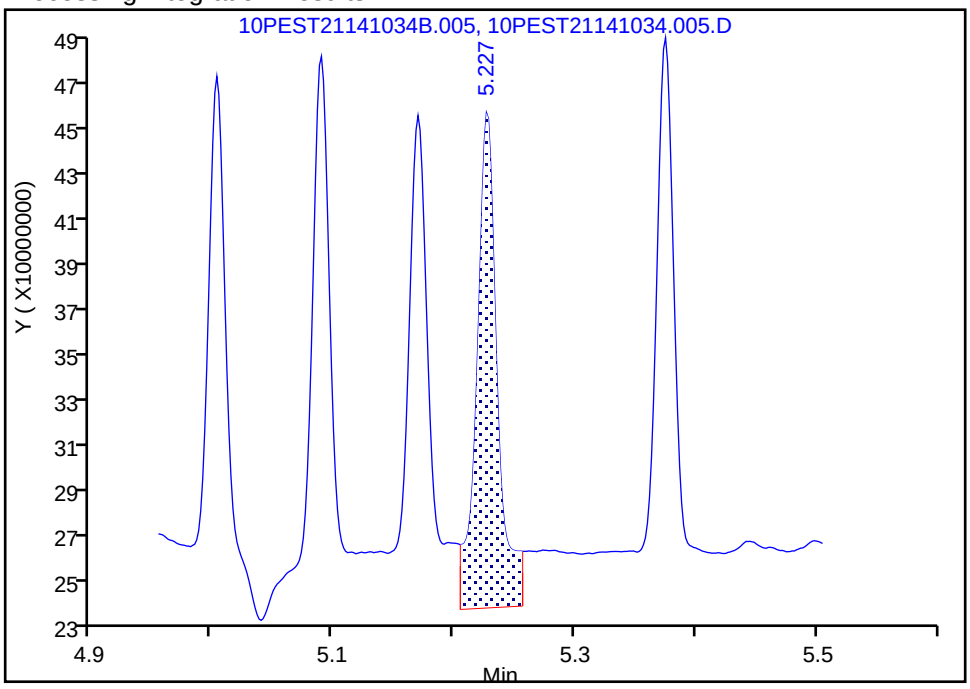
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

24 4,4'-DDT, CAS: 50-29-3

Signal: 2

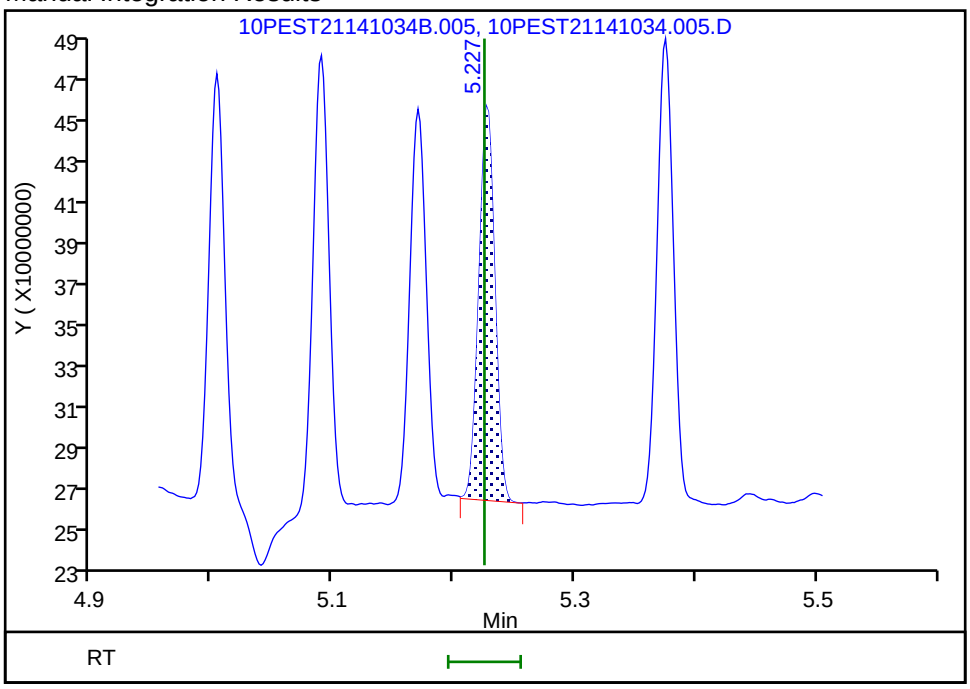
Processing Integration Results

RT: 5.23
Height: 204644965
Amount: 2.296344
Amount Units: ug/l



Manual Integration Results

RT: 5.23
Height: 180131878
Amount: 2.073189
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:42:38
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

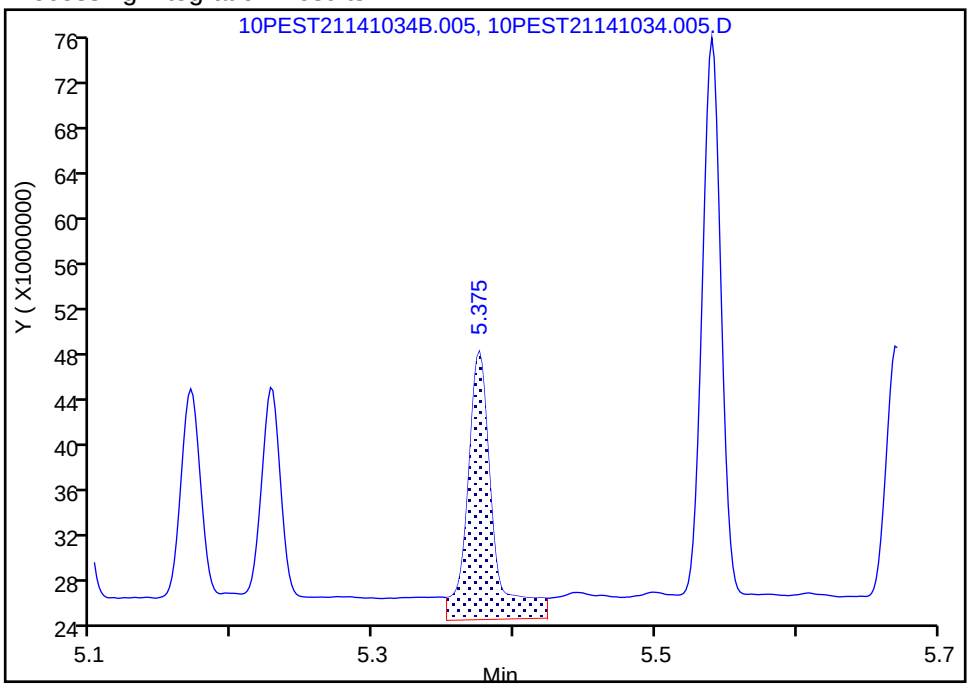
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

26 Endosulfan sulfate, CAS: 1031-07-8

Signal: 2

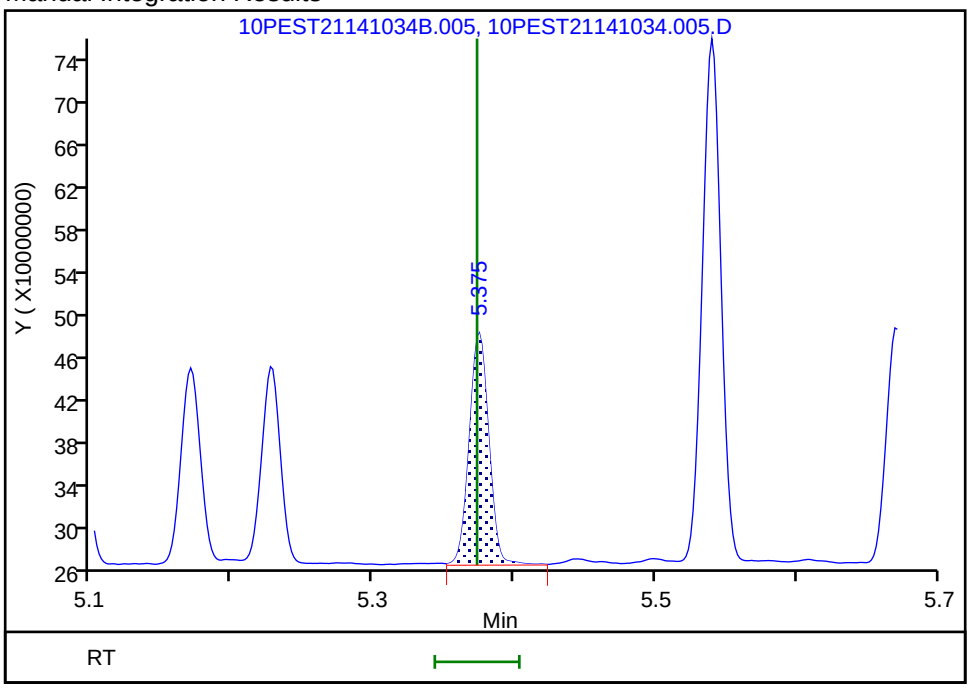
Processing Integration Results

RT: 5.38
Height: 231613836
Amount: 2.301896
Amount Units: ug/l



Manual Integration Results

RT: 5.38
Height: 213868998
Amount: 2.161806
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:42:03
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

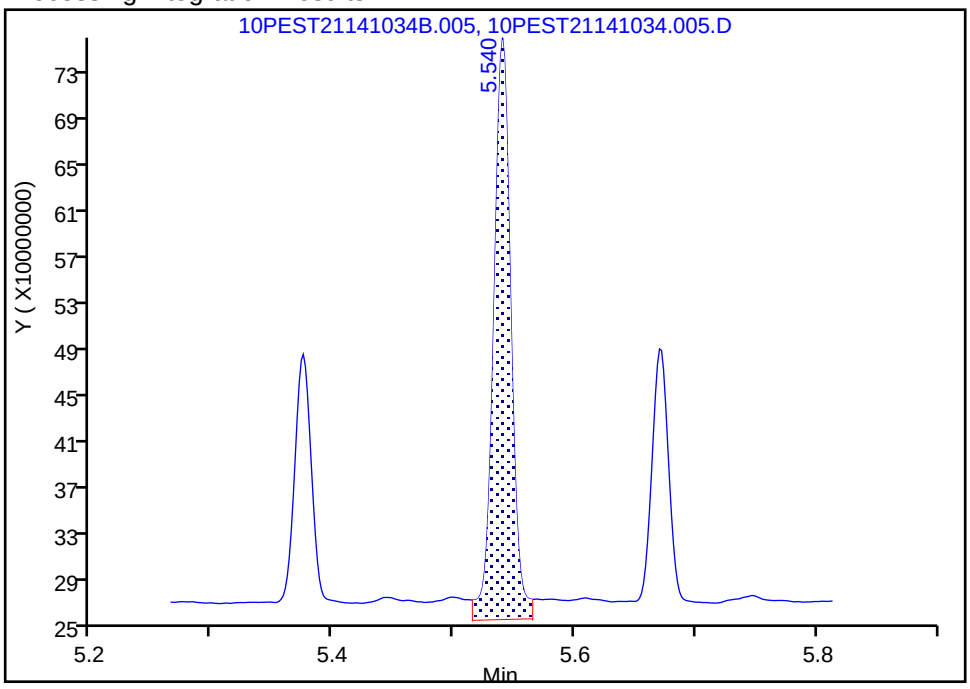
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

28 Methoxychlor, CAS: 72-43-5

Signal: 2

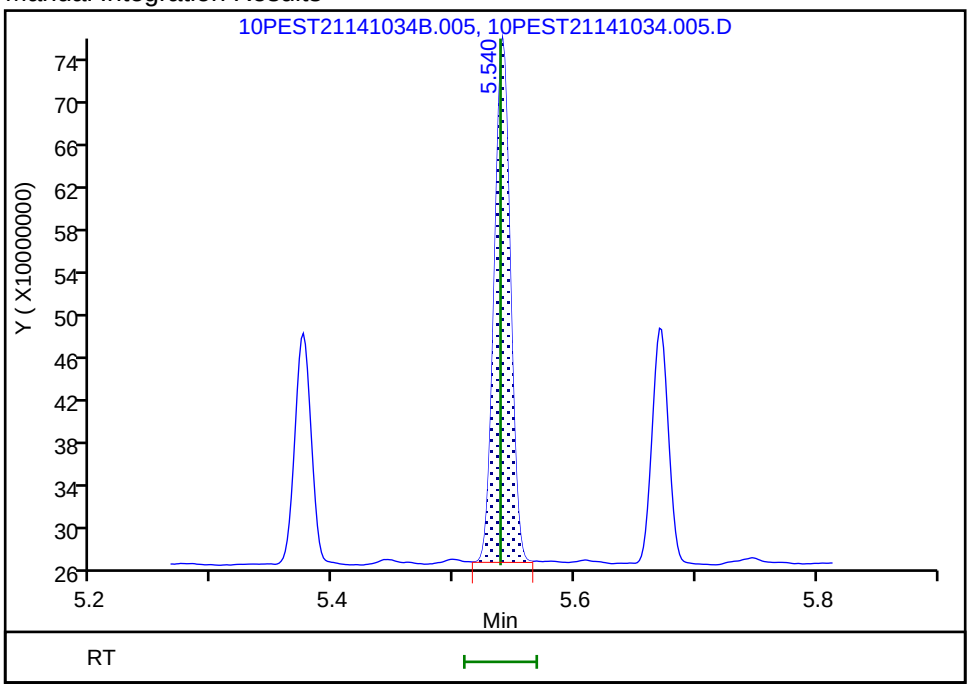
Processing Integration Results

RT: 5.54
Height: 498285885
Amount: 10.804890
Amount Units: ug/l



Manual Integration Results

RT: 5.54
Height: 481934908
Amount: 10.522849
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:42:57
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

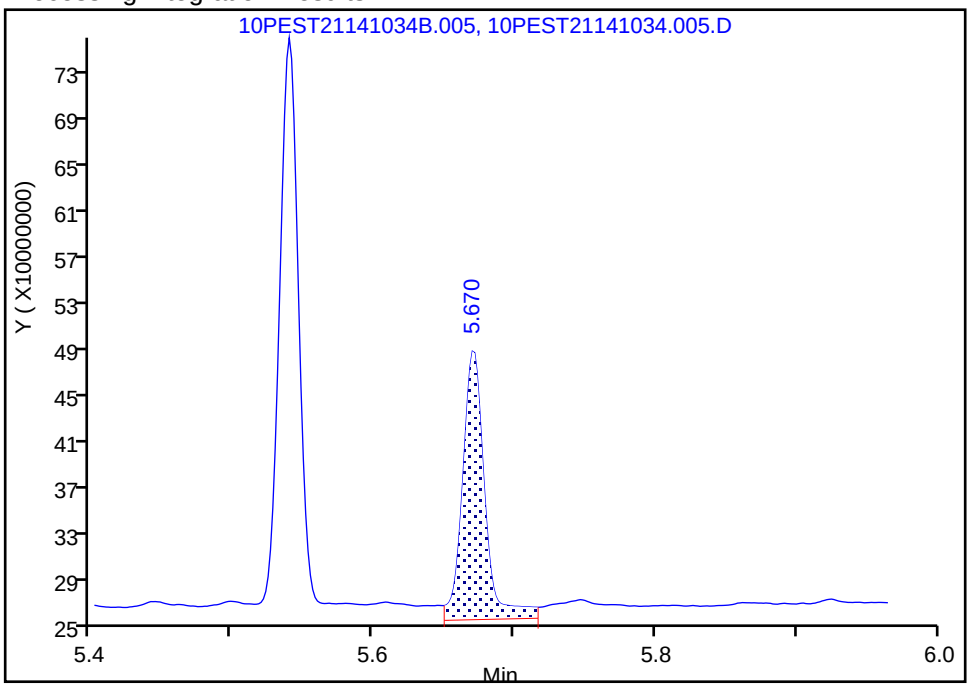
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

29 Endrin ketone, CAS: 53494-70-5

Signal: 2

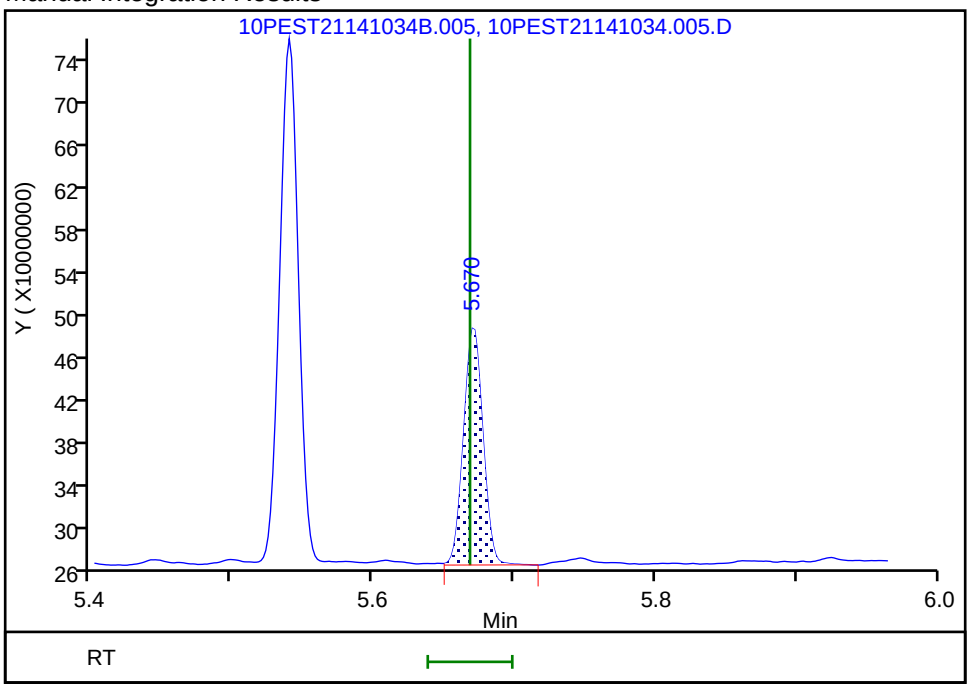
Processing Integration Results

RT: 5.67
Height: 228231056
Amount: 2.152394
Amount Units: ug/l



Manual Integration Results

RT: 5.67
Height: 217603884
Amount: 2.074553
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:42:03
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

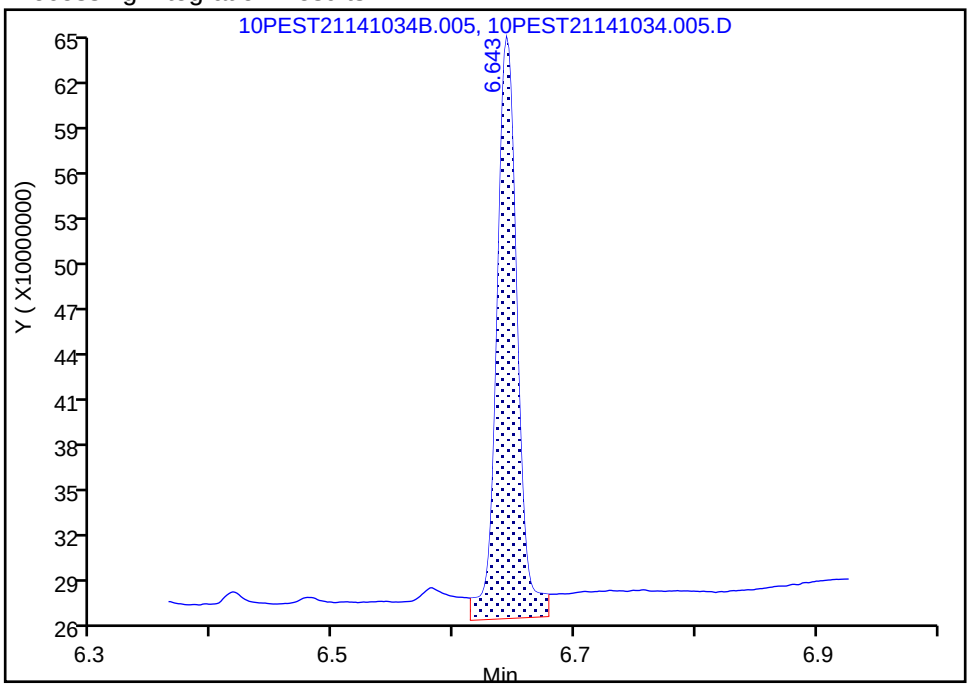
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.005.D				
Injection Date:	21-Jun-2021 09:55:00	Instrument ID:	9191		
Lims ID:	ic mixa2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

$ 31 DCB Decachlorobiphenyl (Surr), CAS: 2051-24-3

Signal: 2

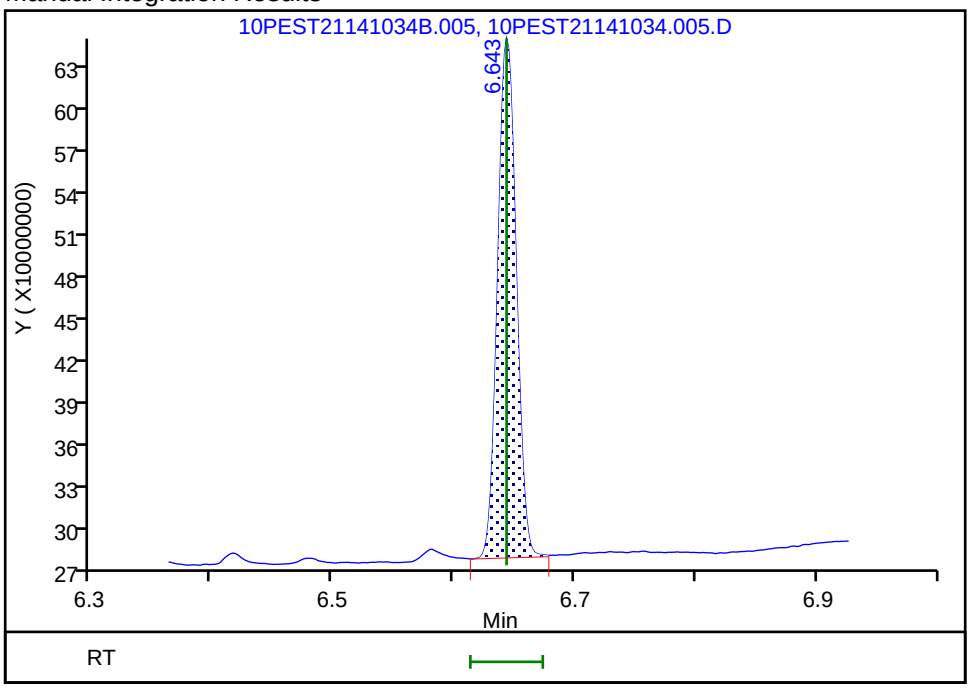
Processing Integration Results

RT: 6.64
Height: 383684166
Amount: 4.397839
Amount Units: ug/l



Manual Integration Results

RT: 6.64
Height: 369491847
Amount: 4.266717
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:43:07
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.006.D
Lims ID: ic mixa3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Jun-2021 10:07:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a3
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 11:52:04 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

First Level Reviewer: dalea Date: 21-Jun-2021 11:43:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.820	1.820	0.000	3178672100H	20.0	19.2	
2	2.365	2.367	-0.002	1909407746H	20.0	19.0	
						RPD = 0.89	
3 alpha-BHC							
1	2.227	2.225	0.002	1194773415H	5.06	4.84	
2	2.697	2.698	-0.001	679282339H	5.06	4.77	
						RPD = 1.52	
4 gamma-BHC (Lindane)							
1	2.515	2.513	0.002	1036704090H	5.00	4.82	
2	2.985	2.987	-0.002	571596007H	5.00	4.66	
						RPD = 3.46	
6 beta-BHC							
1	2.715	2.715	0.000	465430703H	5.00	4.68	
2	3.232	3.235	-0.003	272954474H	5.00	4.65	
						RPD = 0.57	
7 Heptachlor							
1	2.813	2.813	0.000	801519377H	5.00	4.71	
2	3.538	3.540	-0.002	565052570H	5.00	4.77	
						RPD = 1.32	
8 delta-BHC							
1	2.967	2.967	0.000	1007799810H	5.00	4.80	
2	3.472	3.475	-0.003	626407502H	5.00	4.84	
						RPD = 0.71	
9 Aldrin							
1	3.093	3.092	0.001	838529225H	5.00	4.75	
2	3.823	3.825	-0.002	543386614H	5.00	4.64	
						RPD = 2.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.587	3.585	0.002	791614975H	5.06	4.77	
2	4.192	4.193	-0.001	515308891H	5.06	4.73	
						RPD = 0.83	
12 trans-Chlordane							
1	3.787	3.787	0.000	794514348H	5.00	4.74	
2	4.448	4.450	-0.002	551018807H	5.00	4.77	
						RPD = 0.55	
14 cis-Chlordane							
1	3.868	3.868	0.000	811890941H	5.00	4.72	
2	4.487	4.490	-0.003	539453846H	5.00	4.76	
						RPD = 0.84	
15 Endosulfan I							
1	3.912	3.910	0.002	765935579H	5.00	4.73	
2	4.515	4.518	-0.003	491175825H	5.00	4.68	
						RPD = 1.06	
16 4,4'-DDE							
1	4.052	4.050	0.002	1691306720H	10.0	9.68	
2	4.610	4.613	-0.003	1089121567H	10.0	9.39	
						RPD = 3.08	
17 Dieldrin							
1	4.148	4.148	0.000	1663206597H	10.0	9.48	
2	4.715	4.718	-0.003	1075468639H	10.0	9.53	
						RPD = 0.44	
19 Endrin							
1	4.400	4.398	0.002	1491127482H	10.0	9.18	
2	4.888	4.892	-0.004	975050442H	10.0	9.21	
						RPD = 0.34	
22 4,4'-DDD							
1	4.513	4.512	0.001	1389852184H	10.1	10.2	
2	5.000	5.002	-0.002	889546307H	10.1	9.48	
						RPD = 6.92	
23 Endosulfan II							
1	4.612	4.610	0.002	1479238032H	10.0	9.32	
2	5.087	5.088	-0.001	941224144H	10.0	9.60	
						RPD = 2.97	
24 4,4'-DDT							
1	4.722	4.720	0.002	1259640190H	10.1	9.60	
2	5.223	5.225	-0.002	829279034H	10.1	9.54	
						RPD = 0.56	
25 Endrin aldehyde							
1	4.787	4.785	0.002	1315901779H	10.0	9.67	
2	5.167	5.168	-0.001	783406726H	10.0	9.35	
						RPD = 3.42	
26 Endosulfan sulfate							
1	4.937	4.937	0.000	1550148098H	10.0	9.67	
2	5.372	5.373	-0.001	947925857H	10.0	9.58	
						RPD = 0.96	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.228	5.228	0.000	3250378051	H 50.0	48.7	
2	5.537	5.538	-0.001	2181004852	H 50.0	47.6	
						RPD = 2.24	
29 Endrin ketone							
1	5.368	5.368	0.000	1615077424	H 10.0	9.68	
2	5.667	5.668	-0.001	1017179140	H 10.0	9.70	
						RPD = 0.19	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.130	6.130	0.000	3275209682	H 20.0	18.9	
2	6.640	6.643	-0.003	1636137974	H 20.0	18.9	
						RPD = 0.03	
S 32 Total DDTs							
1						9.54	
2						9.60	
						RPD = 0.56	
S 33 Endosulfan, Total							
1						14.3	
2						14.0	
						RPD = 1.63	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCS_MIXA3_00003 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 11:52:05 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.006.D

Injection Date: 21-Jun-2021 10:07:00 Instrument ID: 9191

Lims ID: ic mixa3

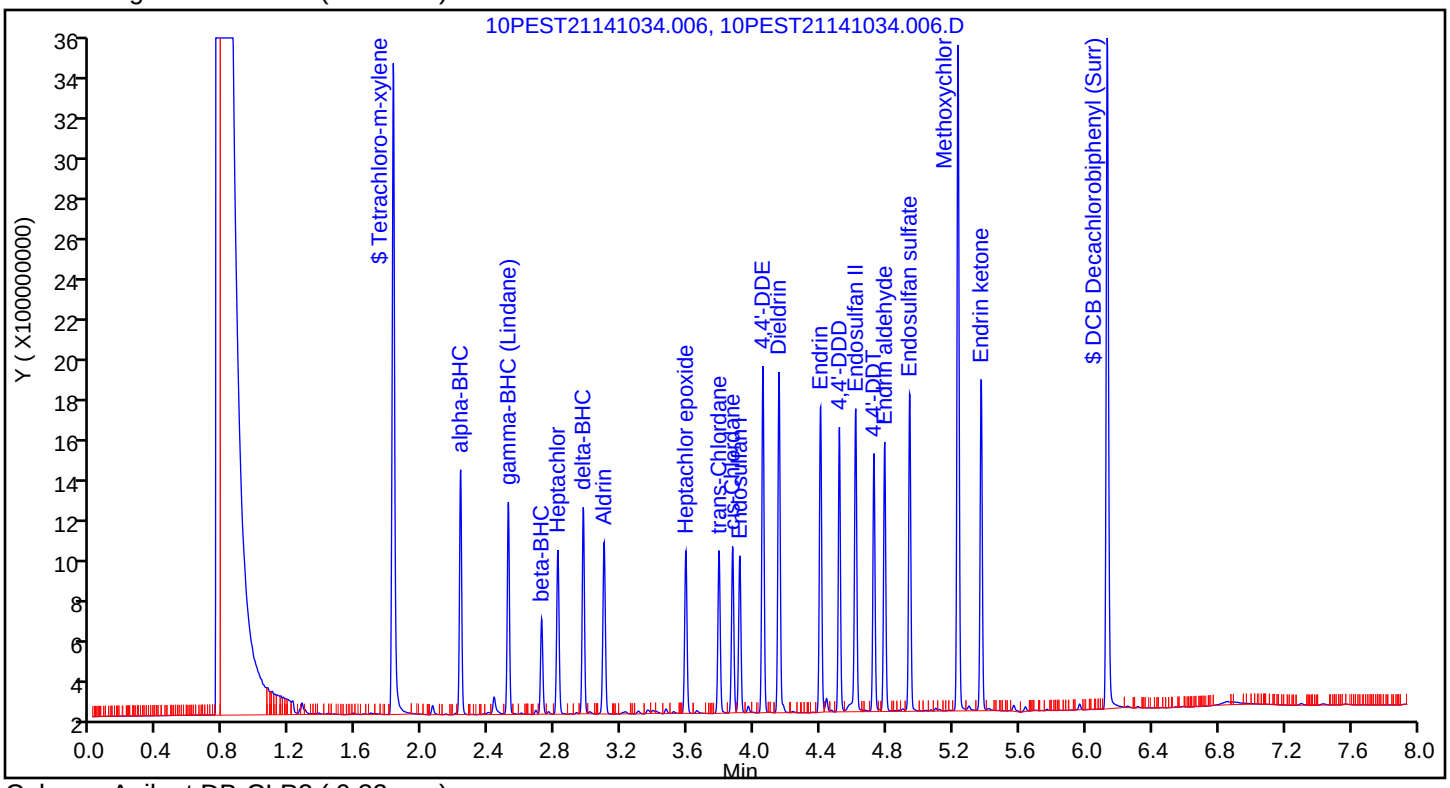
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 6

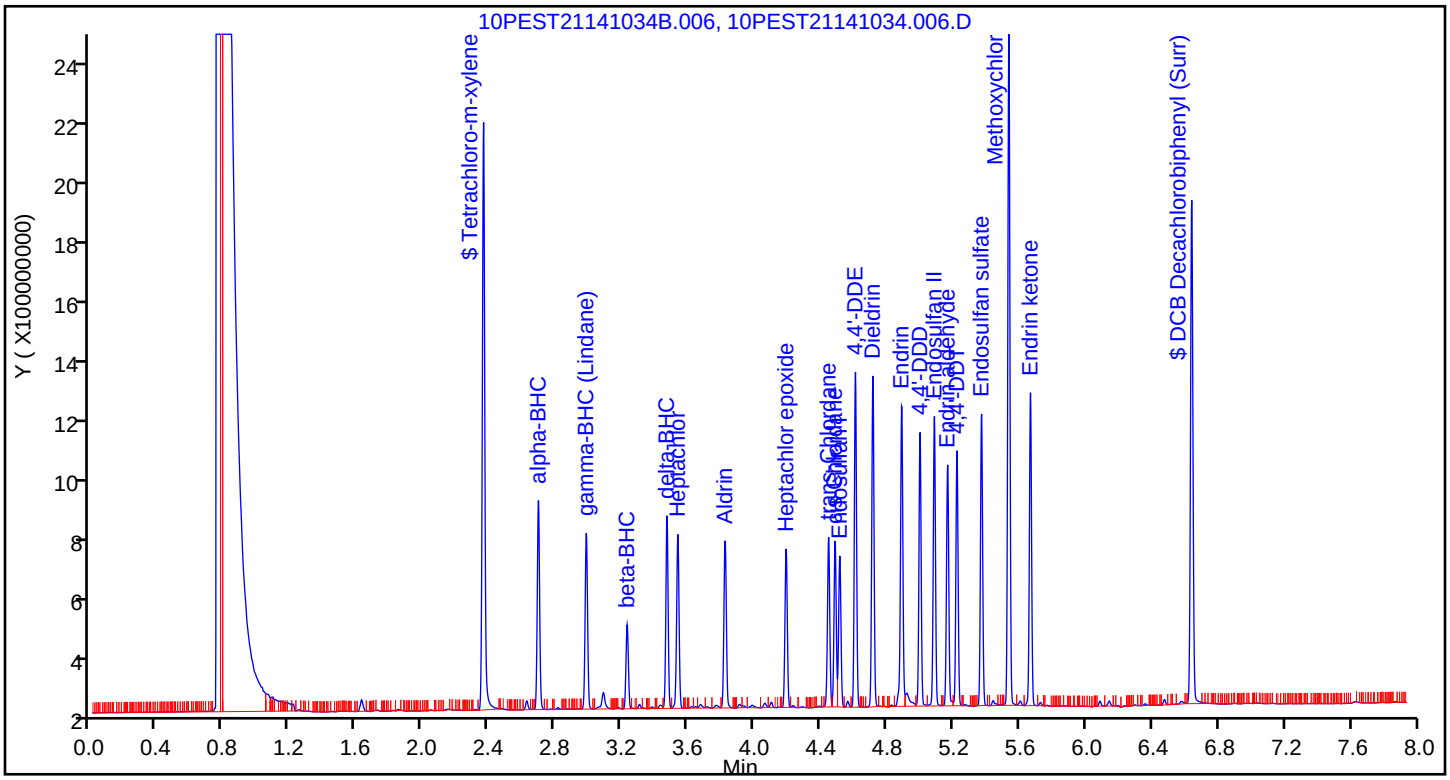
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D
Lims ID: icrt mixa4
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 21-Jun-2021 10:19:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt a4
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 11:52:44 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

First Level Reviewer: dalea Date: 21-Jun-2021 11:44:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.820	1.820	0.000	6947797936H	40.0	42.0	
2	2.367	2.367	0.000	4165506683H	40.0	41.6	
						RPD = 1.08	
3 alpha-BHC							
1	2.225	2.225	0.000	2666322843H	10.1	10.8	
2	2.698	2.698	0.000	1493405774H	10.1	10.5	
						RPD = 3.01	
4 gamma-BHC (Lindane)							
1	2.513	2.513	0.000	2258488614H	10.0	10.5	
2	2.987	2.987	0.000	1224252321H	10.0	9.98	
						RPD = 5.16	
6 beta-BHC							
1	2.715	2.715	0.000	963051123H	10.0	9.69	
2	3.235	3.235	0.000	567353147H	10.0	9.68	
						RPD = 0.11	
7 Heptachlor							
1	2.813	2.813	0.000	1737889717H	10.0	10.2	
2	3.540	3.540	0.000	1178671378H	10.0	9.96	
						RPD = 2.55	
8 delta-BHC							
1	2.967	2.967	0.000	2261698836H	10.0	10.8	
2	3.475	3.475	0.000	1339223839H	10.0	10.3	
						RPD = 4.14	
9 Aldrin							
1	3.092	3.092	0.000	1859031973H	10.0	10.5	
2	3.825	3.825	0.000	1185980147H	10.0	10.1	
						RPD = 4.06	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.585	3.585	0.000	1763523008H	10.1	10.6	
2	4.193	4.193	0.000	1098741053H	10.1	10.1	
						RPD = 5.21	
12 trans-Chlordane							M
1	3.787	3.787	0.000	1745343016H	10.0	10.4	
2	4.450	4.450	0.000	1166529493H	10.0	10.1	M
						RPD = 3.14	
14 cis-Chlordane							M
1	3.868	3.868	0.000	1797873708H	10.0	10.5	
2	4.490	4.490	0.000	1126917382H	10.0	9.95	M
						RPD = 4.99	
15 Endosulfan I							M
1	3.910	3.910	0.000	1659199712H	10.0	10.2	
2	4.518	4.518	0.000	1047830647H	10.0	9.98	M
						RPD = 2.60	
16 4,4'-DDE							M
1	4.050	4.050	0.000	3620184185H	20.0	20.7	
2	4.613	4.613	0.000	2381005351H	20.0	20.5	M
						RPD = 0.96	
17 Dieldrin							M
1	4.148	4.148	0.000	3764016779H	20.0	21.5	
2	4.718	4.718	0.000	2311588840H	20.0	20.5	M
						RPD = 4.71	
19 Endrin							M
1	4.398	4.398	0.000	3393936052H	20.0	20.9	
2	4.892	4.892	0.000	2151408108H	20.0	20.3	M
						RPD = 2.77	
22 4,4'-DDD							M
1	4.512	4.512	0.000	2928177233H	20.1	21.4	
2	5.002	5.002	0.000	1933330989H	20.1	20.6	M
						RPD = 3.81	
23 Endosulfan II							M
1	4.610	4.610	0.000	3262593077H	20.0	20.6	
2	5.088	5.088	0.000	1970145545H	20.0	20.1	M
						RPD = 2.26	
24 4,4'-DDT							M
1	4.720	4.720	0.000	2814405377H	20.1	21.4	
2	5.225	5.225	0.000	1792144066H	20.1	20.6	M
						RPD = 3.89	
25 Endrin aldehyde							M
1	4.785	4.785	0.000	2843559168H	20.0	20.9	
2	5.168	5.168	0.000	1606522567H	20.0	19.2	M
						RPD = 8.65	
26 Endosulfan sulfate							M
1	4.937	4.937	0.000	3294917597H	20.0	20.6	
2	5.373	5.373	0.000	1927729934H	20.0	19.5	M
						RPD = 5.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							M
1	5.228	5.228	0.000	6866266499H	100.0	102.9	
2	5.538	5.538	0.000	4686076183H	100.0	102.3	M
						RPD = 0.54	
29 Endrin ketone							M
1	5.368	5.368	0.000	3434398471H	20.0	20.6	
2	5.668	5.668	0.000	2127002133H	20.0	20.3	M
						RPD = 1.49	
$ 31 DCB Decachlorobiphenyl (Surr)							M
1	6.130	6.130	0.000	7001683599H	40.0	40.4	
2	6.643	6.643	0.000	3348893992H	40.0	38.7	M
						RPD = 4.38	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

gcs_mixa4dil_00001 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 11:52:45 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D

Injection Date: 21-Jun-2021 10:19:00 Instrument ID: 9191

Lims ID: icrt mixa4

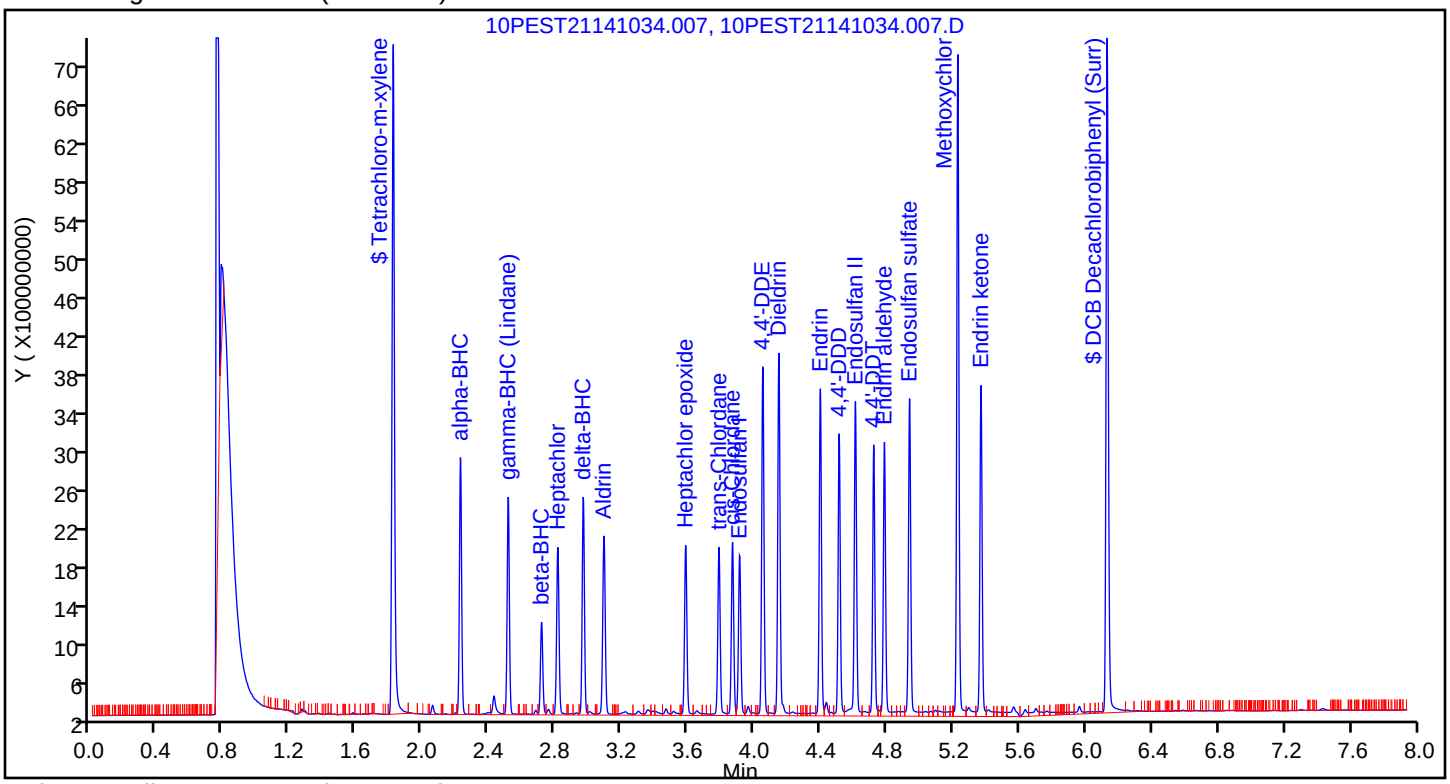
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

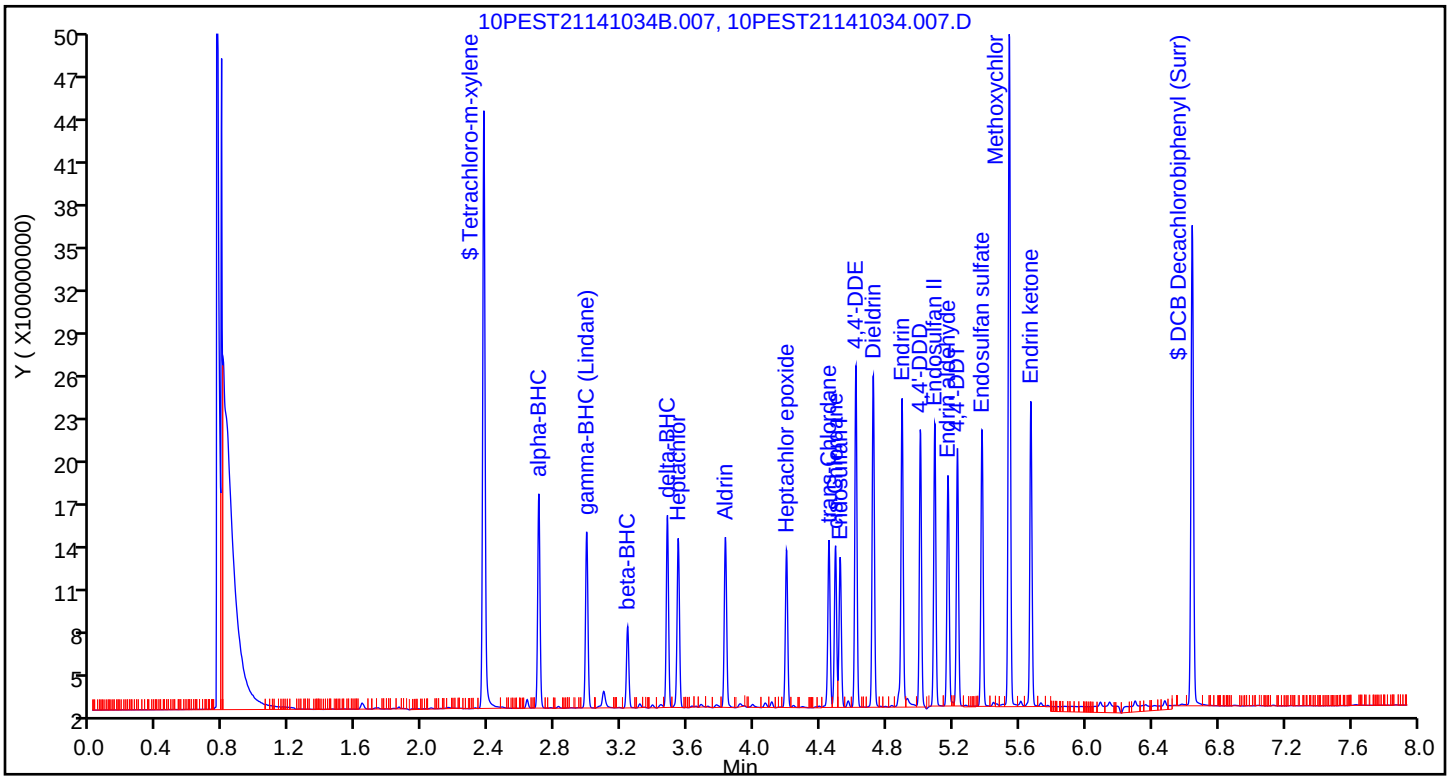
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

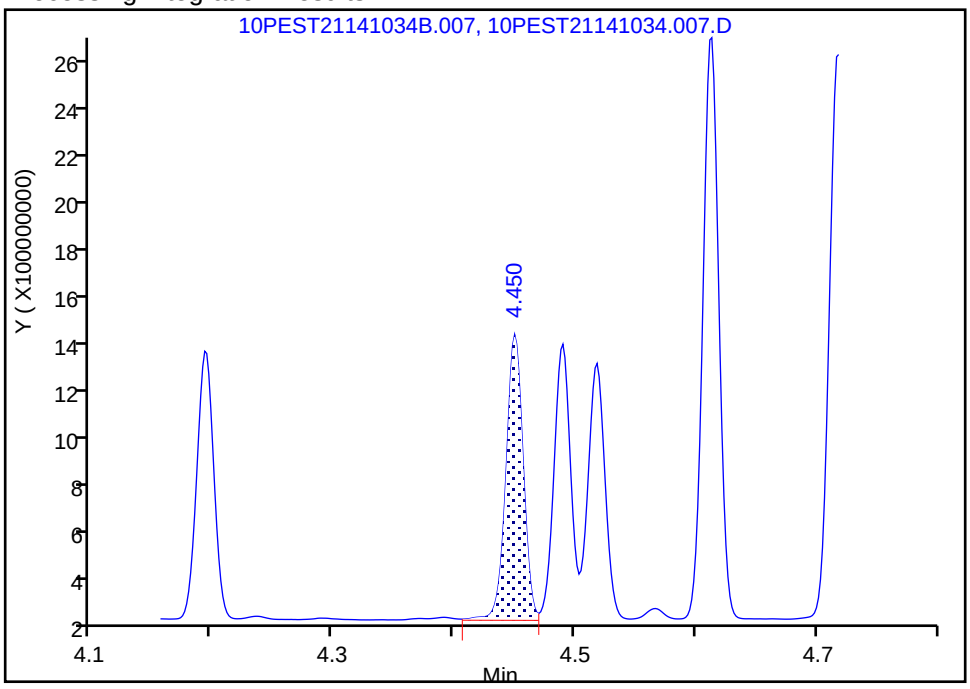
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

12 trans-Chlordane, CAS: 5103-74-2

Signal: 2

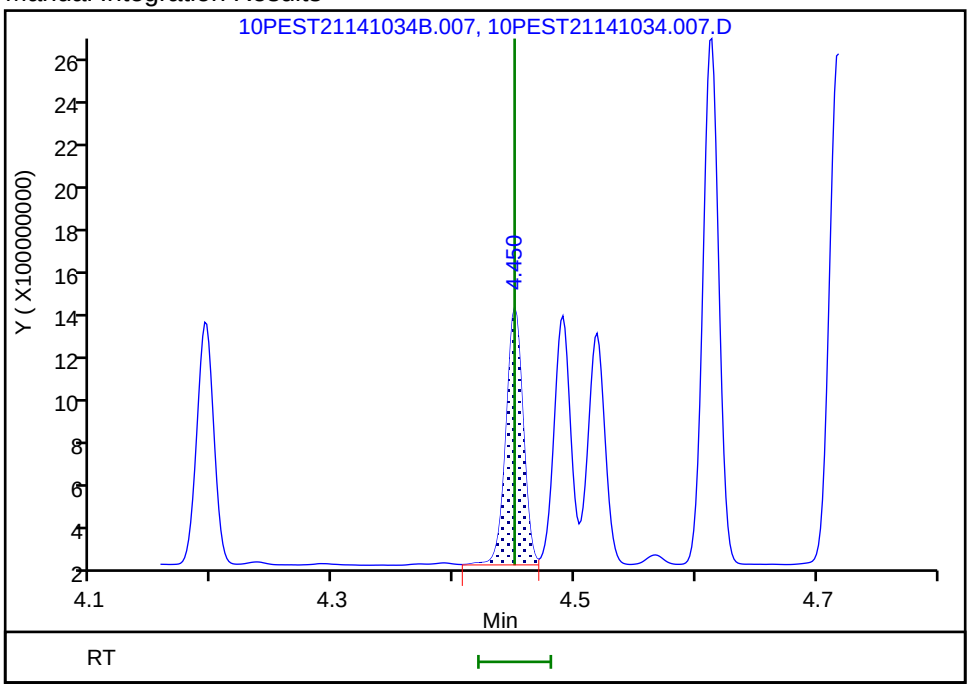
Processing Integration Results

RT: 4.45
Height: 1169707282
Amount: 10.118925
Amount Units: ug/l



Manual Integration Results

RT: 4.45
Height: 1166529493
Amount: 10.096060
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:43:53
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

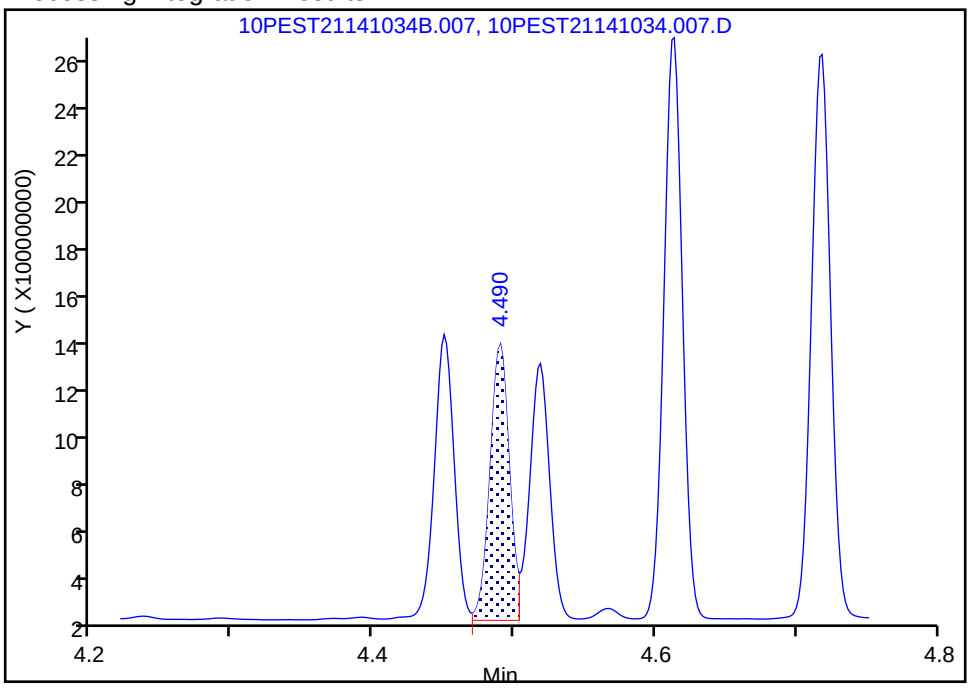
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

14 cis-Chlordane, CAS: 5103-71-9

Signal: 2

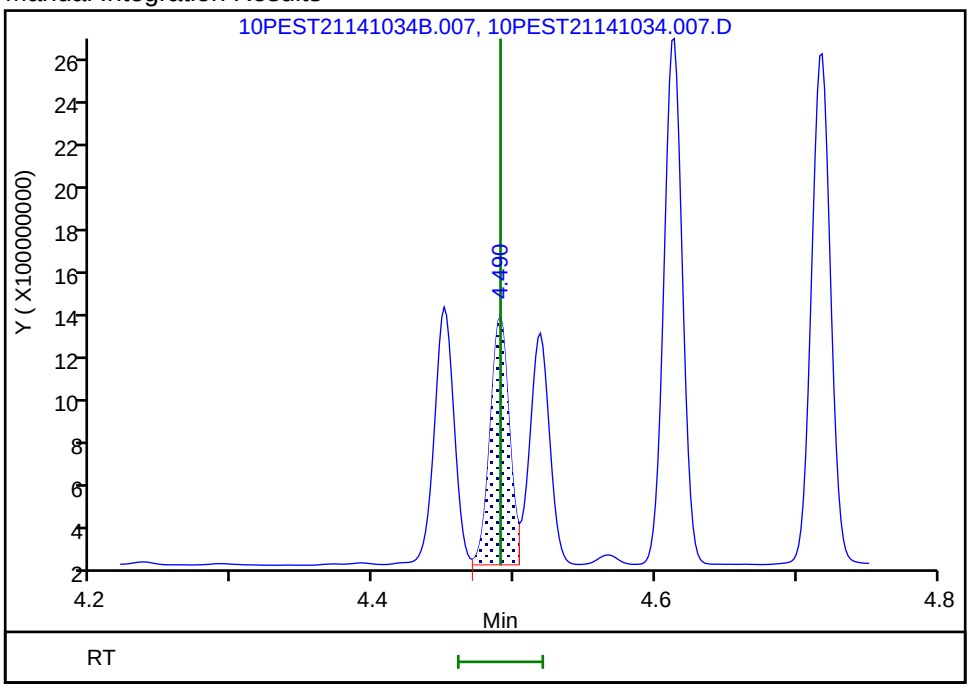
Processing Integration Results

RT: 4.49
Height: 1130724782
Amount: 9.981153
Amount Units: ug/l



Manual Integration Results

RT: 4.49
Height: 1126917382
Amount: 9.953119
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:43:53
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

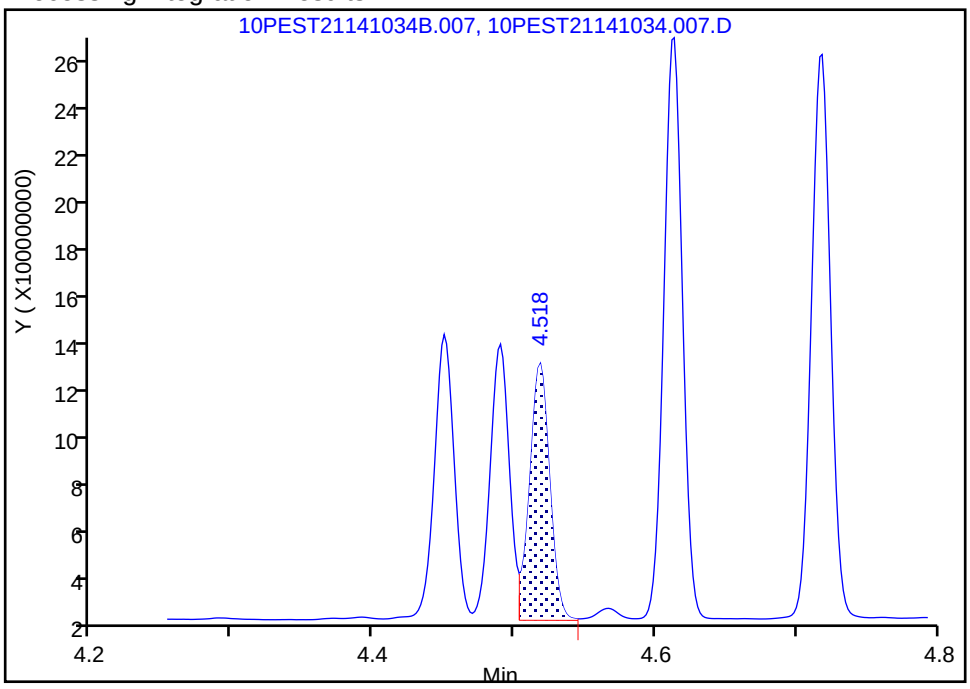
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

15 Endosulfan I, CAS: 959-98-8

Signal: 2

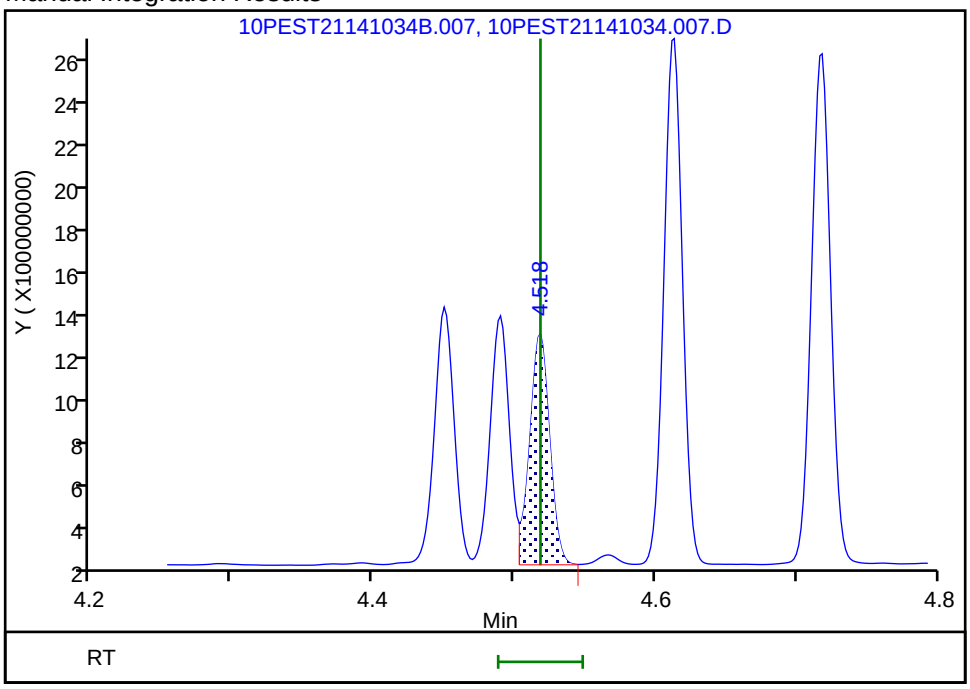
Processing Integration Results

RT: 4.52
Height: 1052084022
Amount: 10.013440
Amount Units: ug/l



Manual Integration Results

RT: 4.52
Height: 1047830647
Amount: 9.979691
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:43:53
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

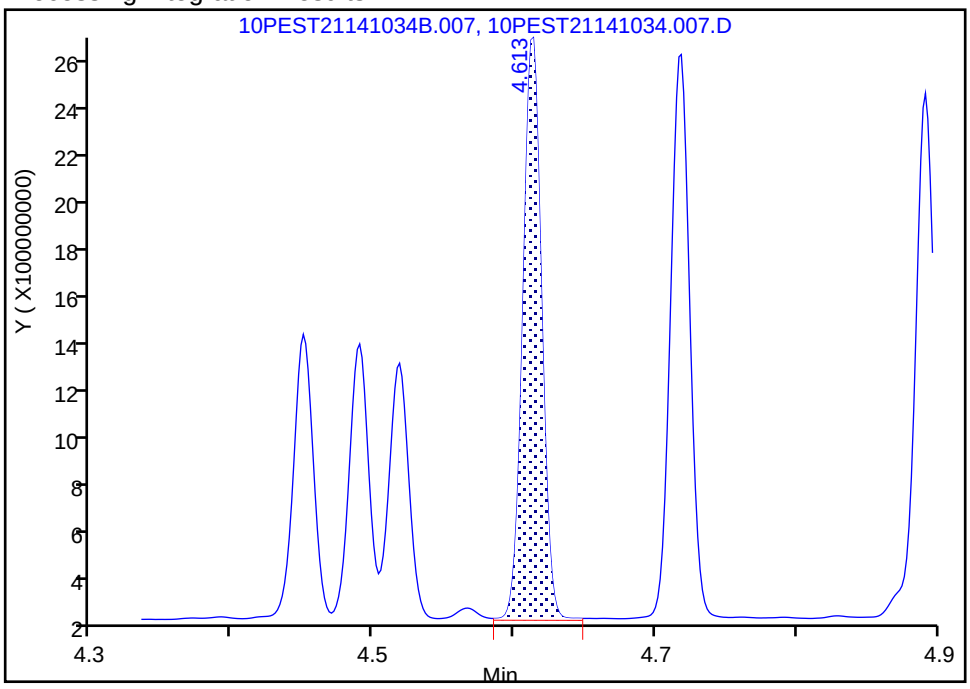
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

16 4,4'-DDE, CAS: 72-55-9

Signal: 2

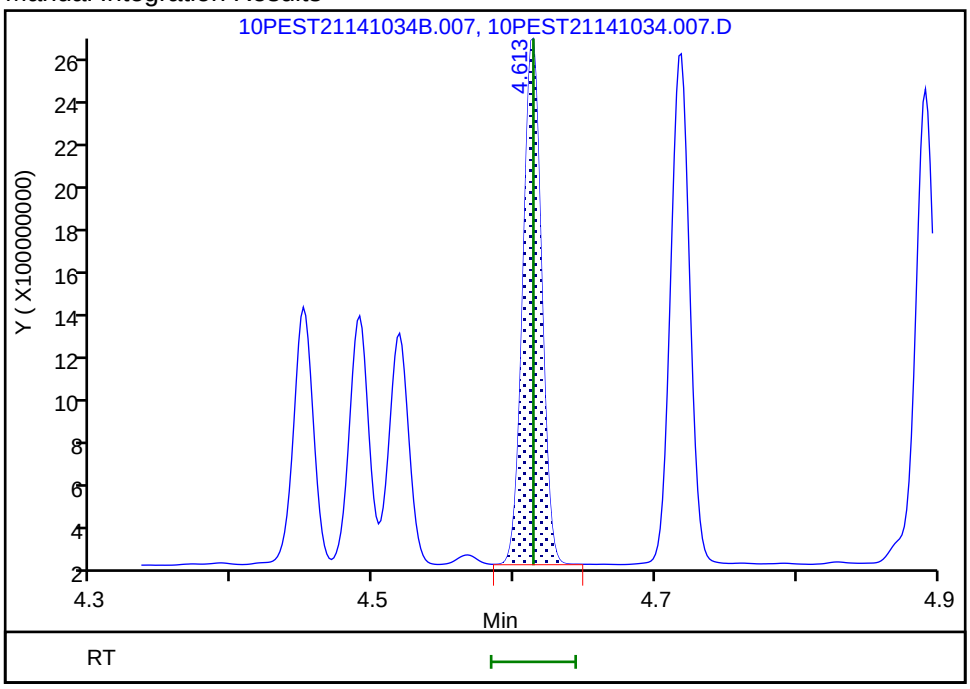
Processing Integration Results

RT: 4.61
Height: 2386754053
Amount: 20.568381
Amount Units: ug/l



Manual Integration Results

RT: 4.61
Height: 2381005351
Amount: 20.527315
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:43:53
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

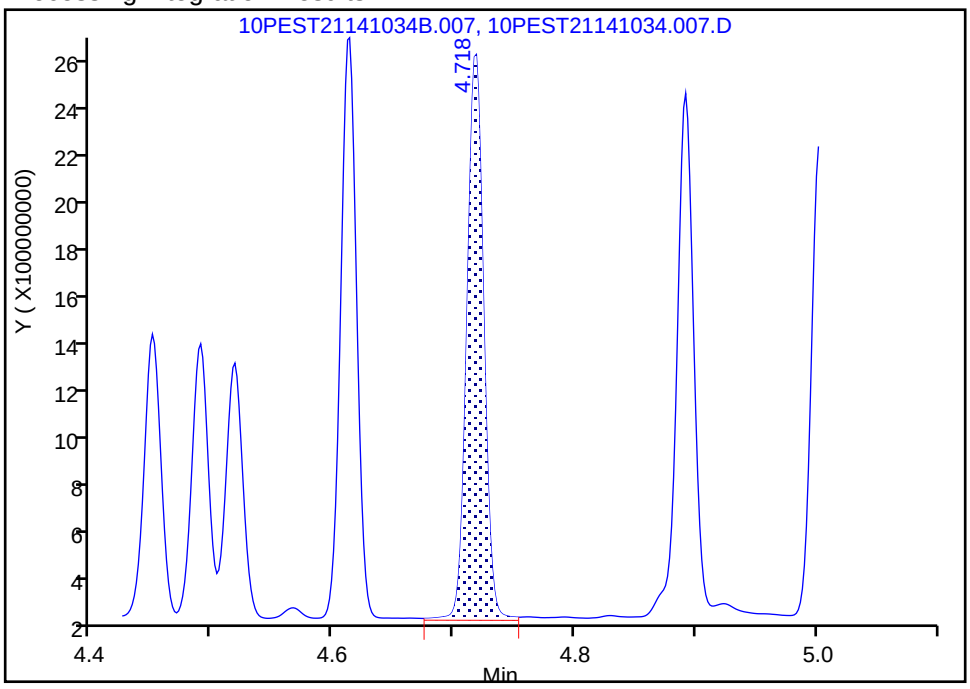
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

17 Dieldrin, CAS: 60-57-1

Signal: 2

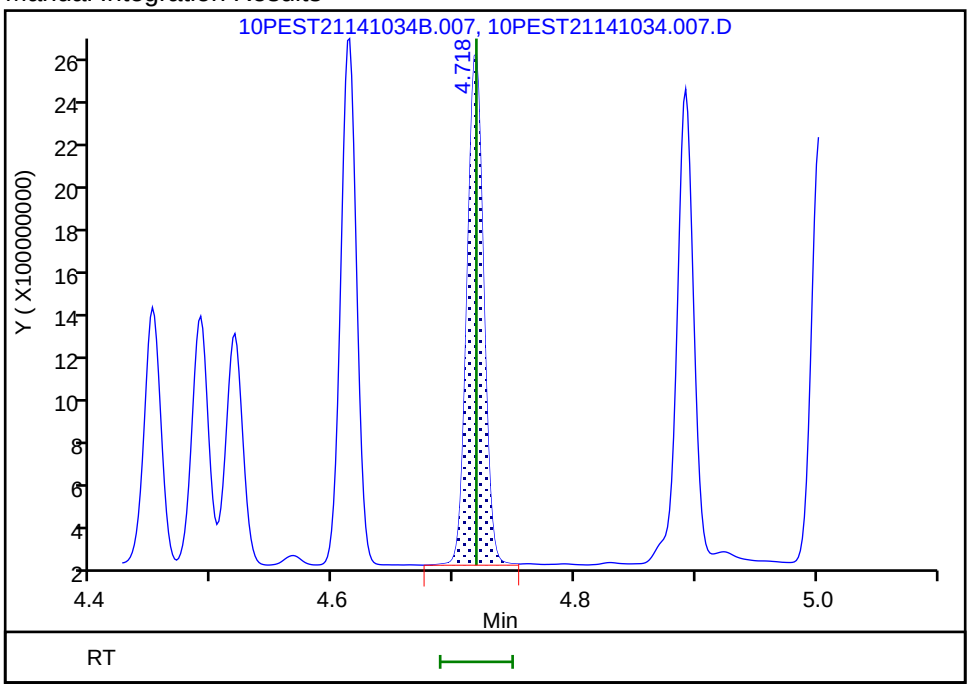
Processing Integration Results

RT: 4.72
Height: 2318990272
Amount: 20.529662
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Height: 2311588840
Amount: 20.475318
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:43:53
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

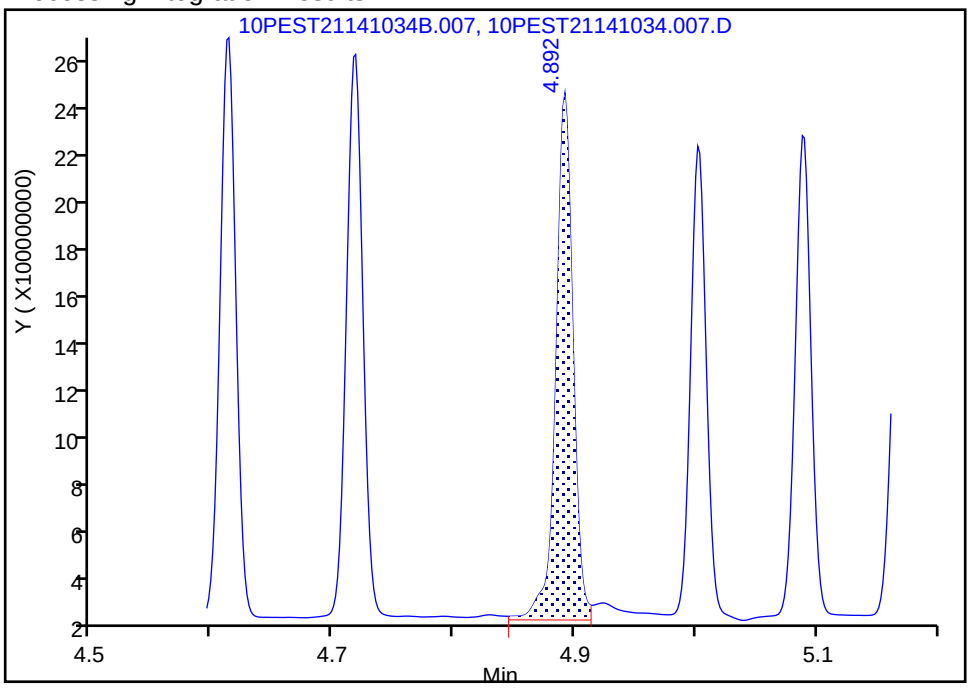
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

19 Endrin, CAS: 72-20-8

Signal: 2

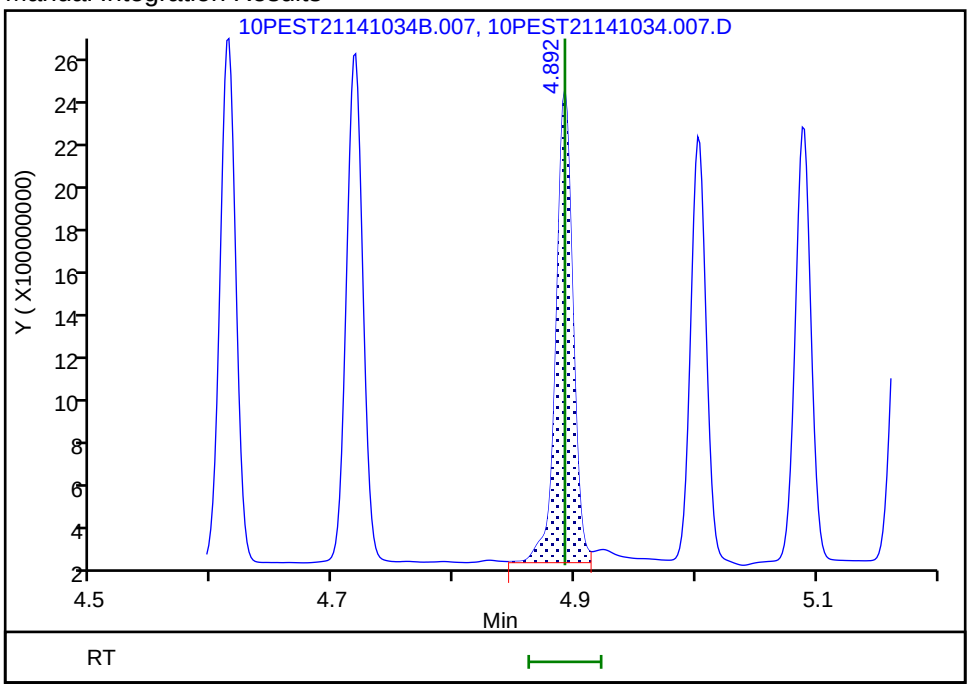
Processing Integration Results

RT: 4.89
Height: 2161537855
Amount: 20.392600
Amount Units: ug/l



Manual Integration Results

RT: 4.89
Height: 2151408108
Amount: 20.313210
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:43:53
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

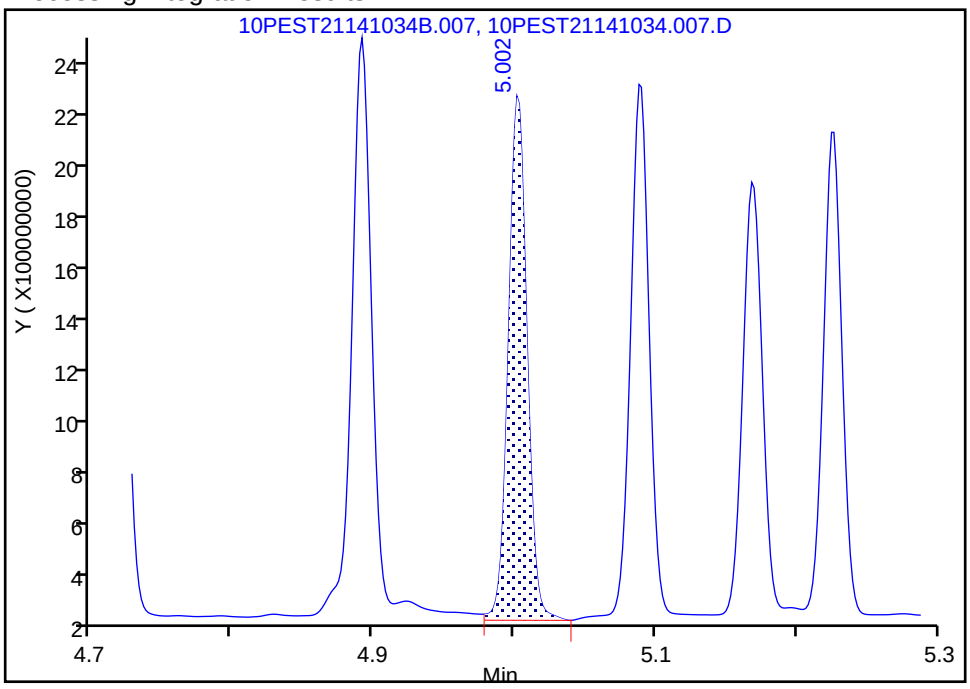
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

22 4,4'-DDD, CAS: 72-54-8

Signal: 2

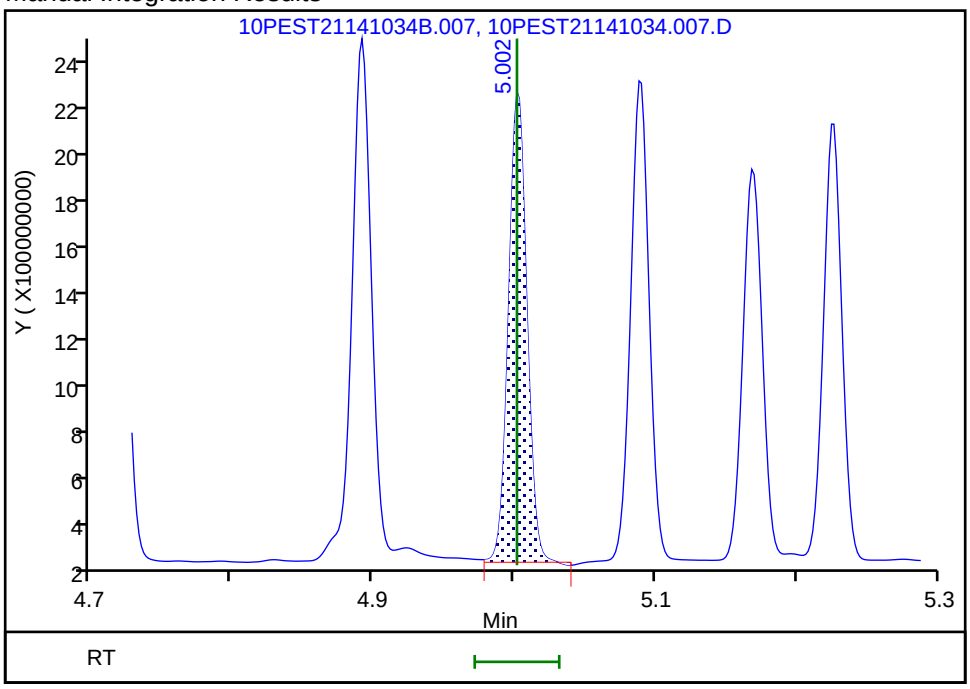
Processing Integration Results

RT: 5.00
Height: 1945192168
Amount: 20.719326
Amount Units: ug/l



Manual Integration Results

RT: 5.00
Height: 1933330989
Amount: 20.614555
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:43:53
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

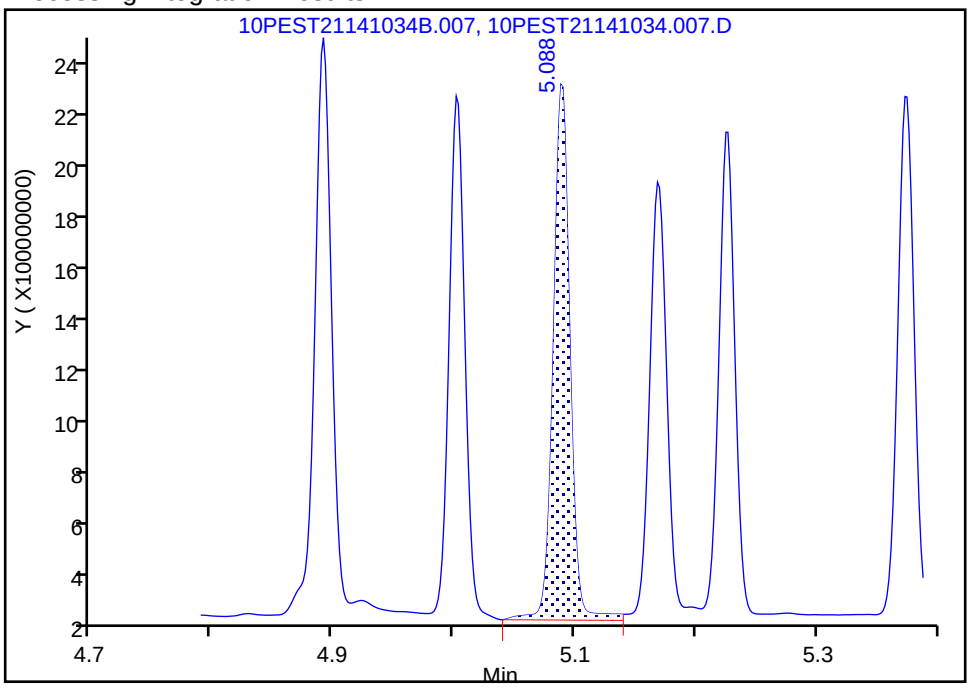
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

23 Endosulfan II, CAS: 33213-65-9

Signal: 2

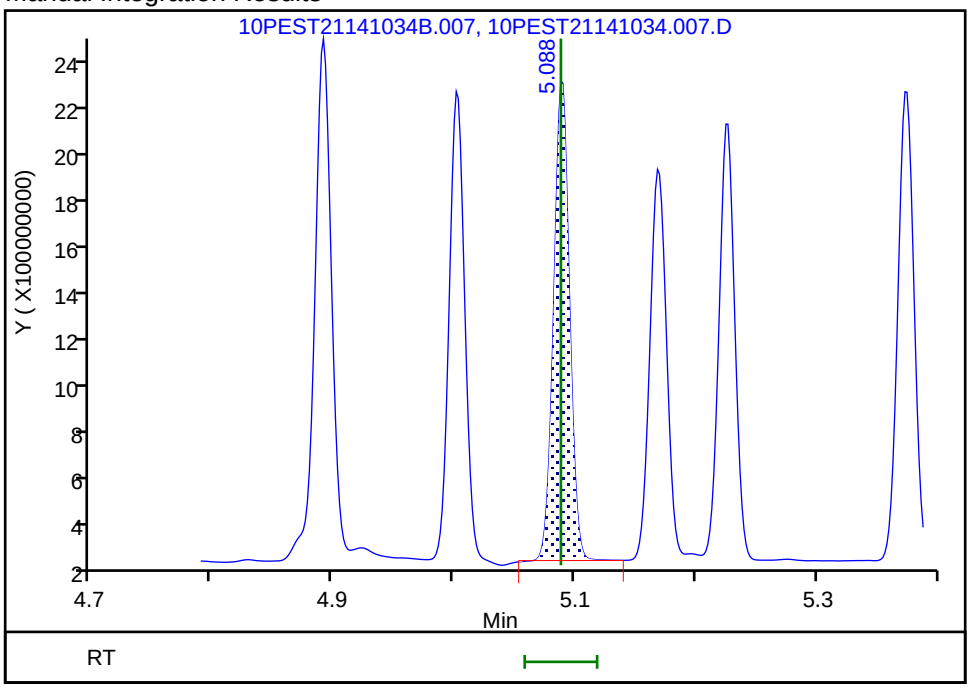
Processing Integration Results

RT: 5.09
Height: 1990561121
Amount: 20.269011
Amount Units: ug/l



Manual Integration Results

RT: 5.09
Height: 1970145545
Amount: 20.095941
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:44:32
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

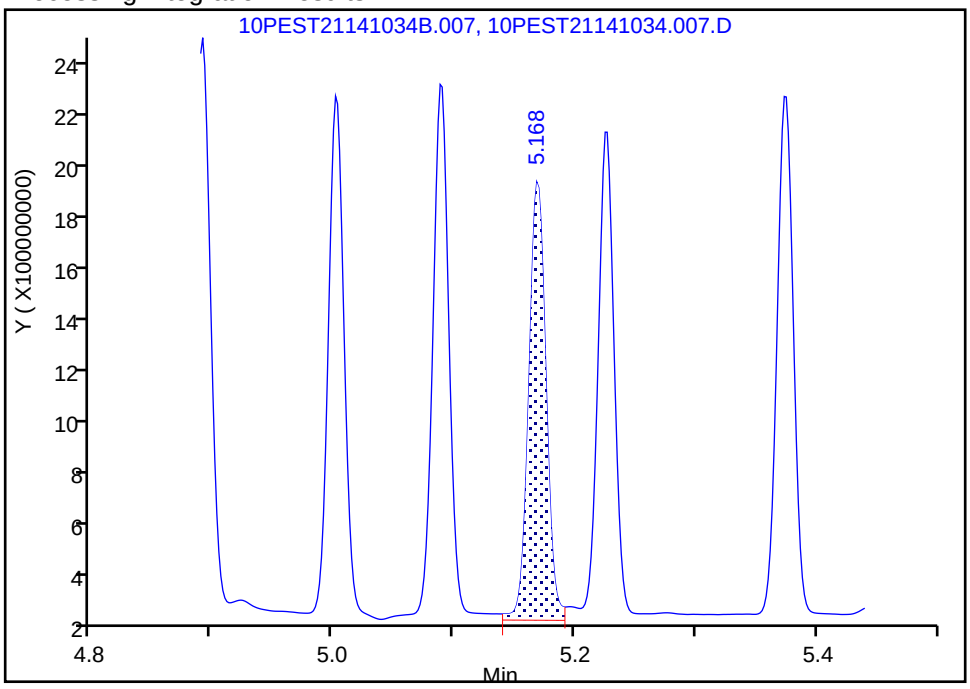
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

25 Endrin aldehyde, CAS: 7421-93-4

Signal: 2

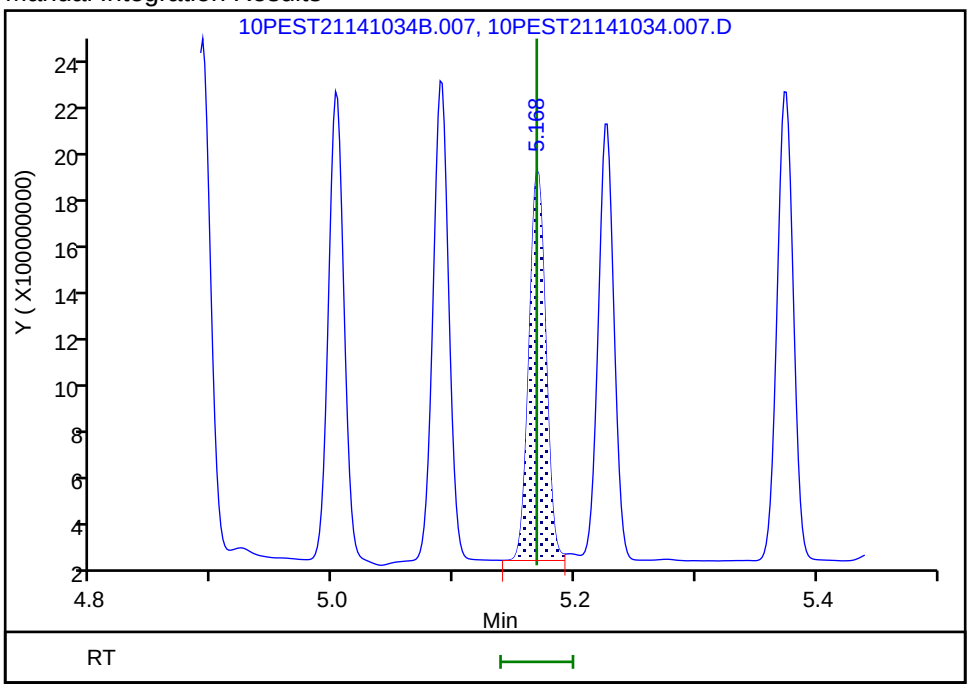
Processing Integration Results

RT: 5.17
Height: 1629216782
Amount: 19.400698
Amount Units: ug/l



Manual Integration Results

RT: 5.17
Height: 1606522567
Amount: 19.173635
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:44:32
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

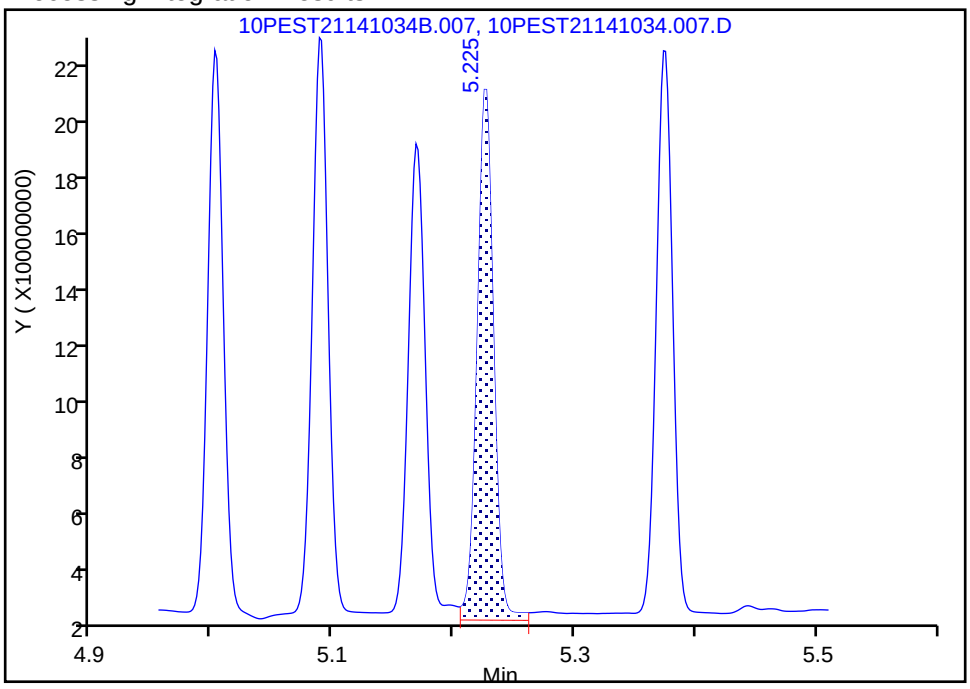
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

24 4,4'-DDT, CAS: 50-29-3

Signal: 2

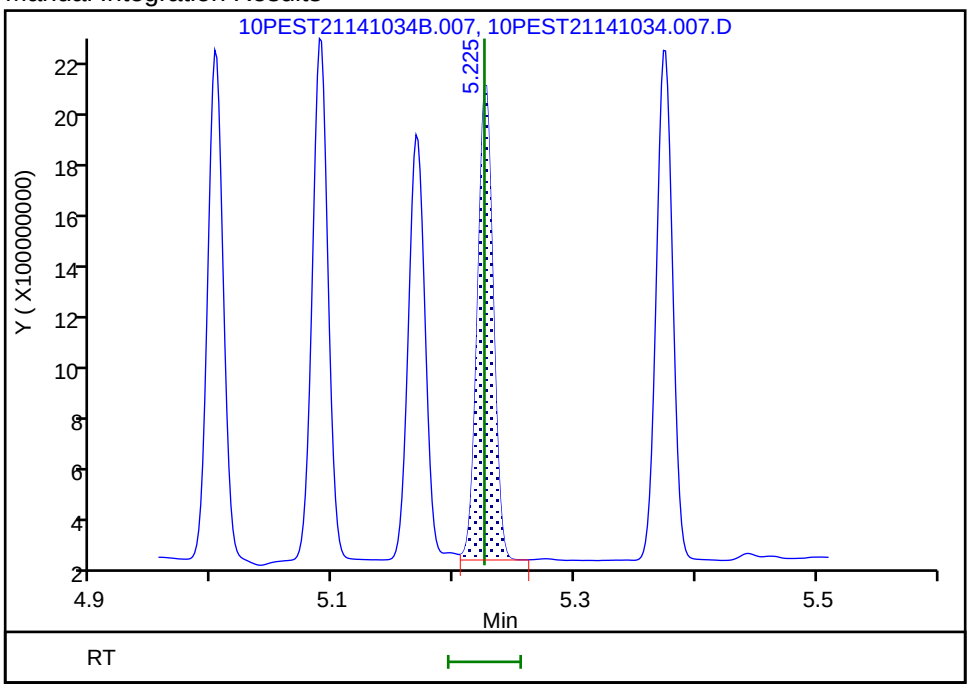
Processing Integration Results

RT: 5.23
Height: 1816452317
Amount: 20.857745
Amount Units: ug/l



Manual Integration Results

RT: 5.23
Height: 1792144066
Amount: 20.626300
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:44:32
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

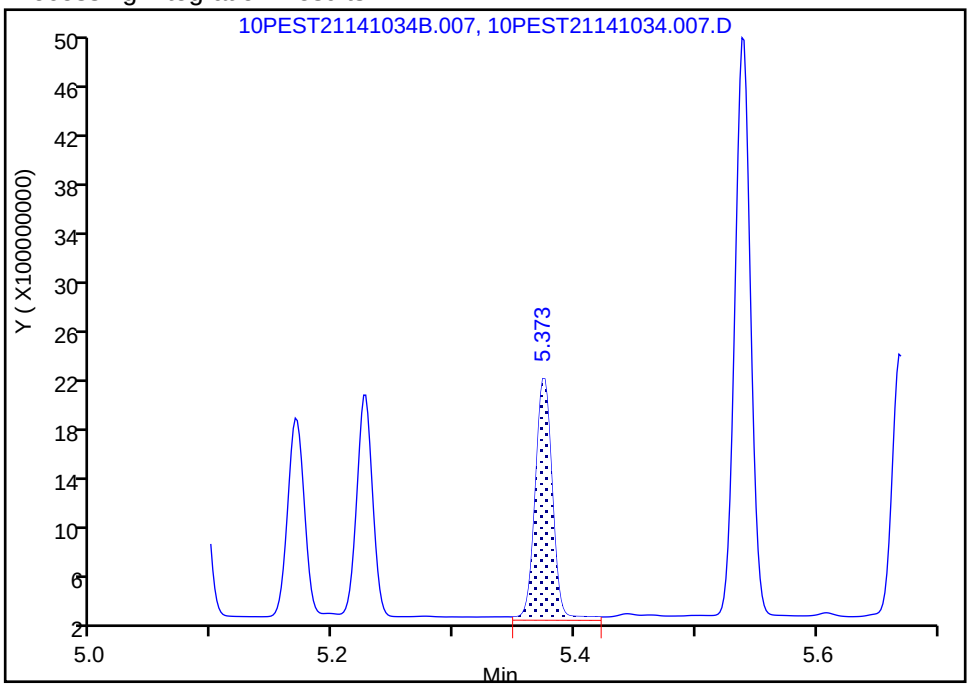
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

26 Endosulfan sulfate, CAS: 1031-07-8

Signal: 2

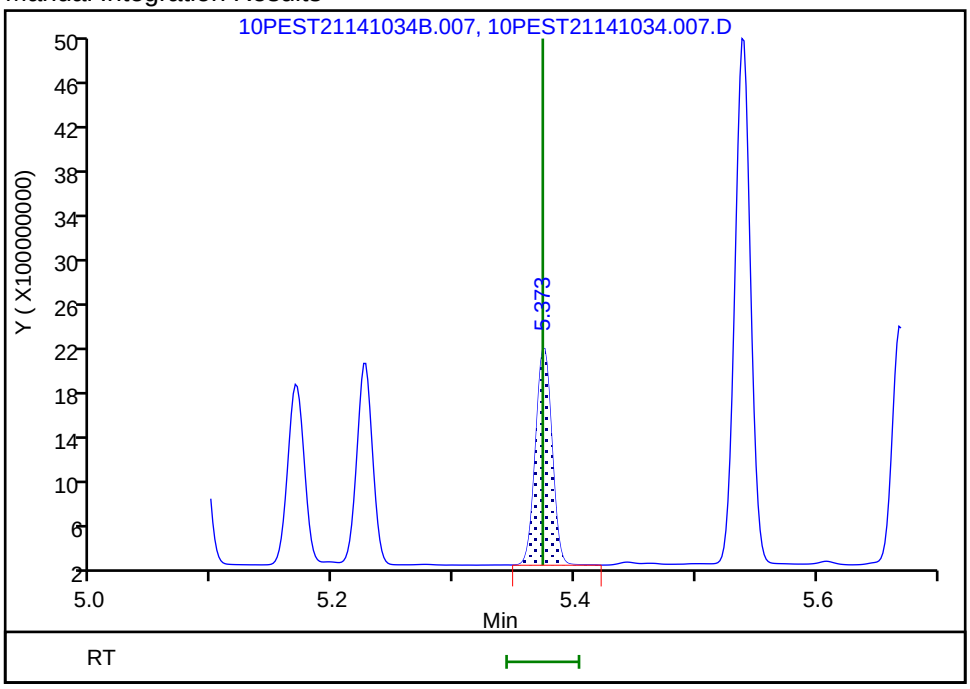
Processing Integration Results

RT: 5.37
Height: 1952844575
Amount: 19.697852
Amount Units: ug/l



Manual Integration Results

RT: 5.37
Height: 1927729934
Amount: 19.485662
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:44:39
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

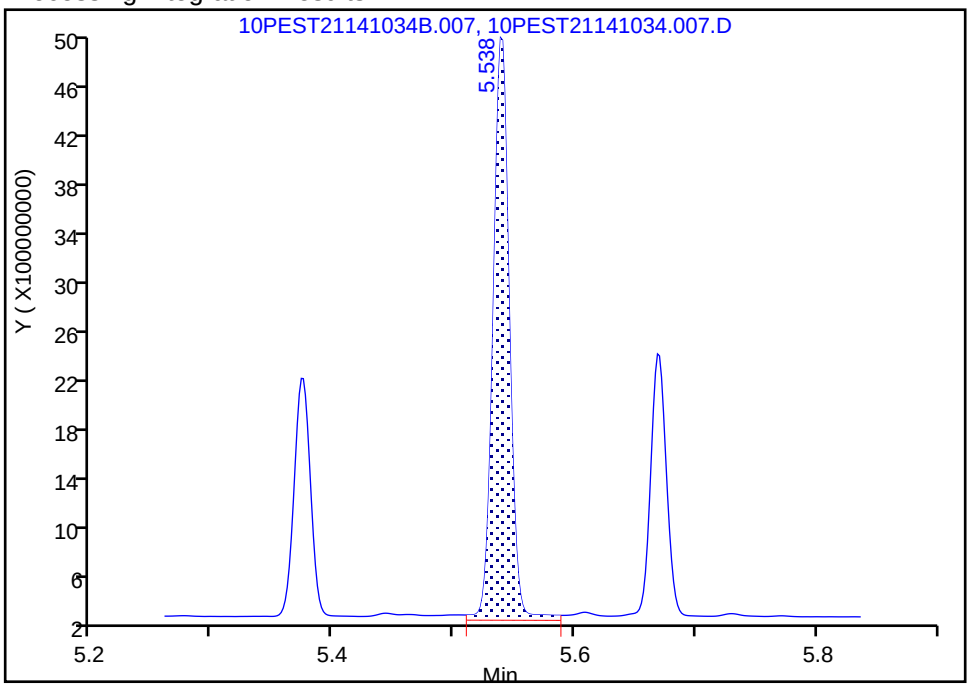
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

28 Methoxychlor, CAS: 72-43-5

Signal: 2

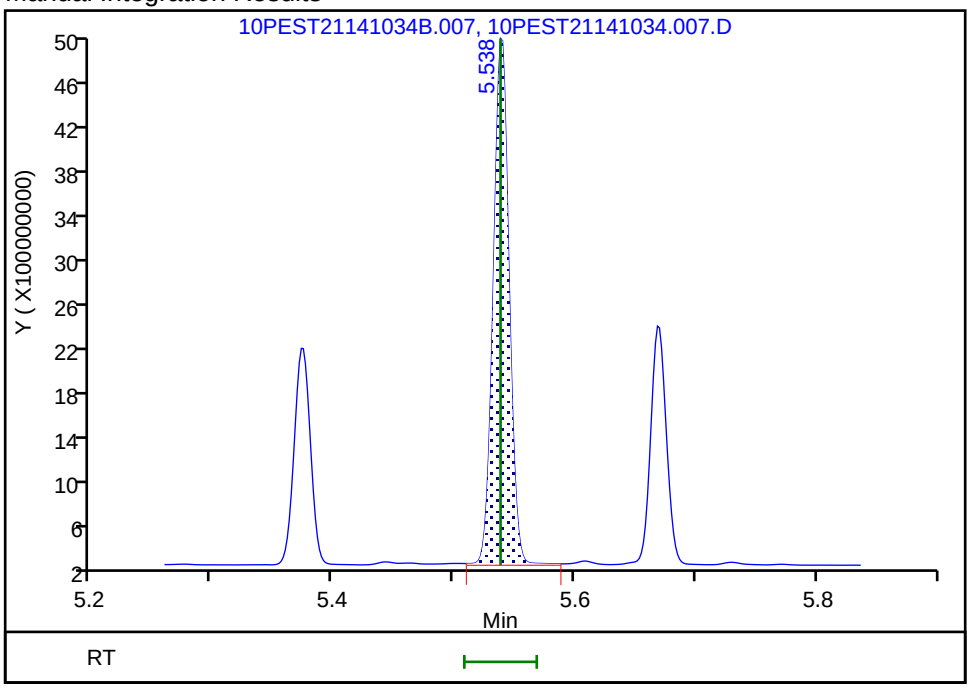
Processing Integration Results

RT: 5.54
Height: 4713247850
Amount: 102.8102
Amount Units: ug/l



Manual Integration Results

RT: 5.54
Height: 4686076183
Amount: 102.3185
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:43:53
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

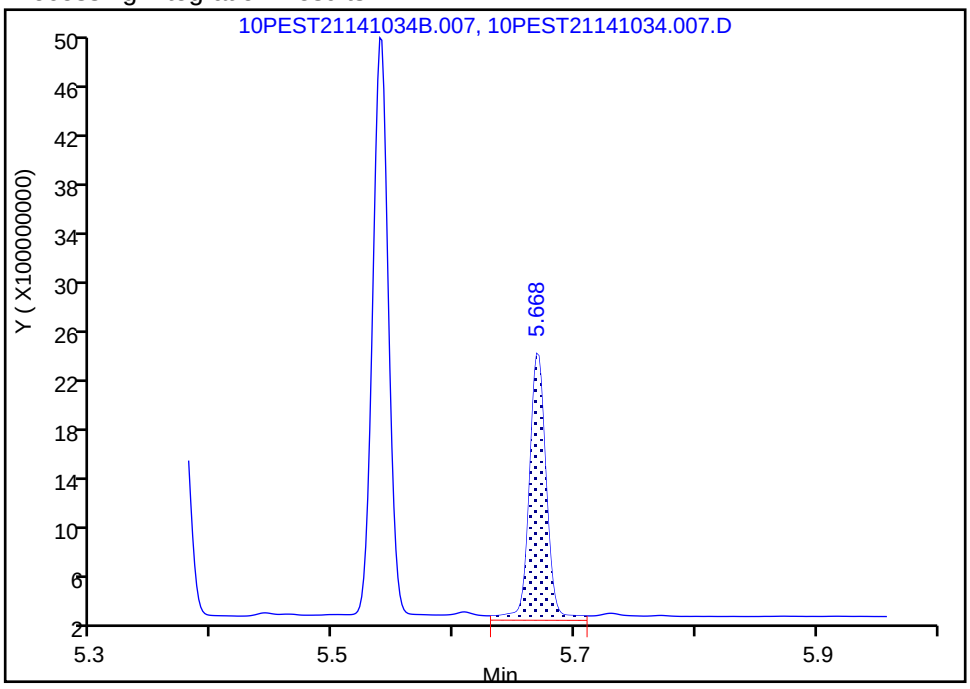
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

29 Endrin ketone, CAS: 53494-70-5

Signal: 2

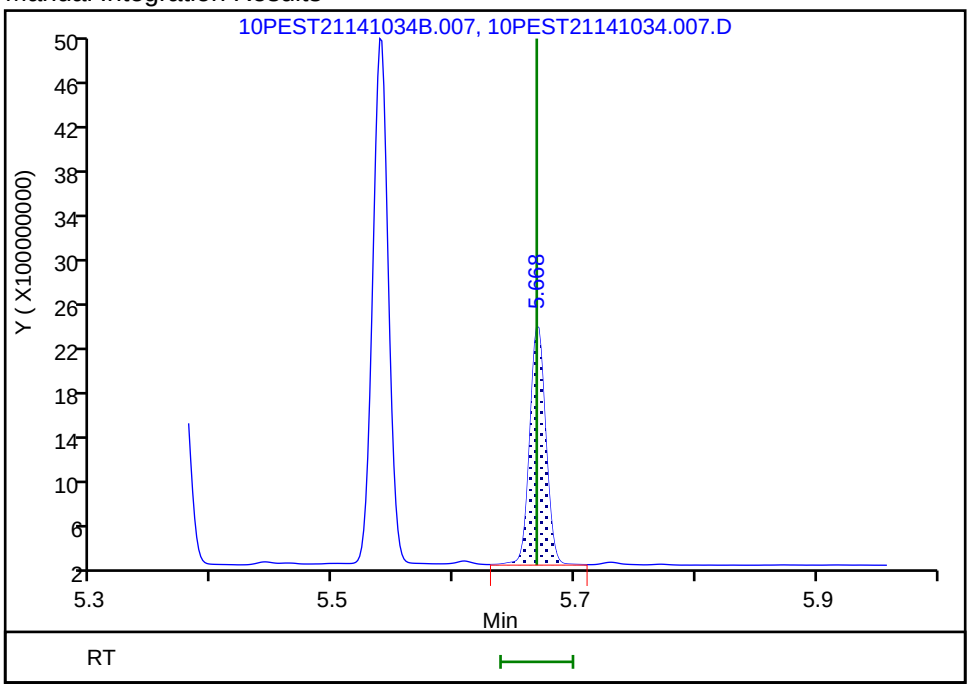
Processing Integration Results

RT: 5.67
Height: 2158010438
Amount: 20.523100
Amount Units: ug/l



Manual Integration Results

RT: 5.67
Height: 2127002133
Amount: 20.278037
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:43:53
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC

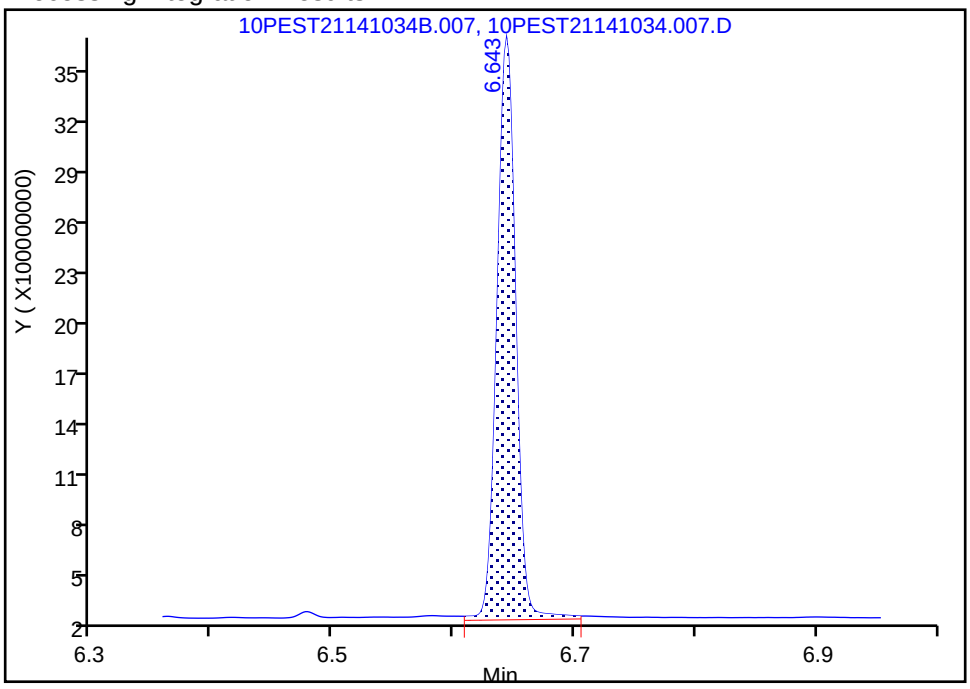
Data File:	\\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.007.D				
Injection Date:	21-Jun-2021 10:19:00	Instrument ID:	9191		
Lims ID:	icrt mixa4				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9191	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	ECD2B		

$ 31 DCB Decachlorobiphenyl (Surr), CAS: 2051-24-3

Signal: 2

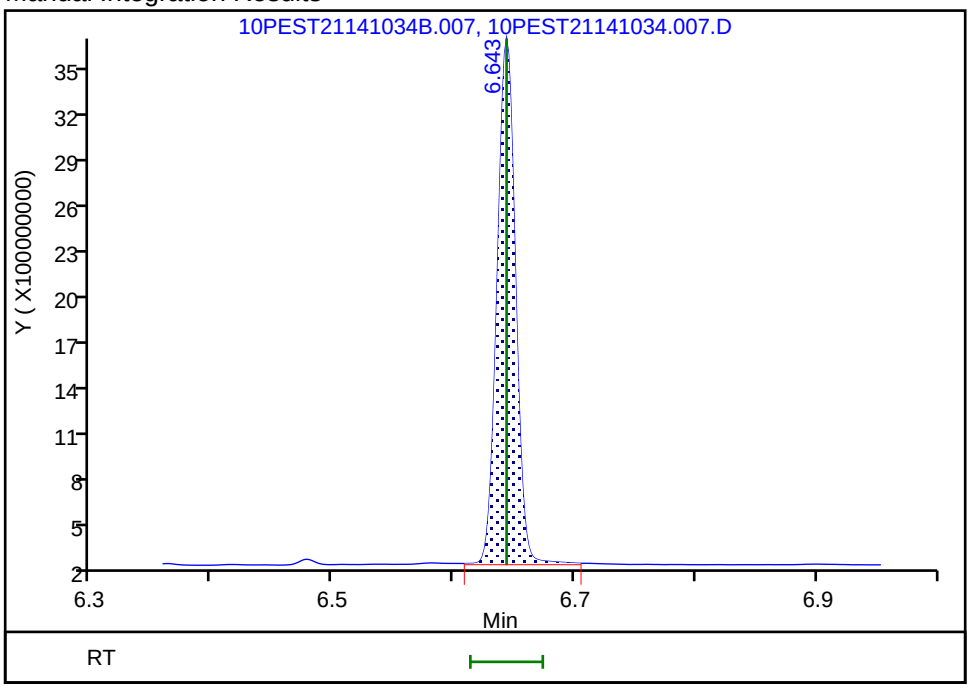
Processing Integration Results

RT: 6.64
Height: 3361890070
Amount: 38.797272
Amount Units: ug/l



Manual Integration Results

RT: 6.64
Height: 3348893992
Amount: 38.671447
Amount Units: ug/l



Reviewer: dalea, 21-Jun-2021 11:43:48
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.008.D
Lims ID: ic mixa5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Jun-2021 10:32:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a5
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 11:52:59 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.820	0.003	9815626666H	60.9	59.3	
2	2.372	2.367	0.005	5964624412H	60.9	59.5	
						RPD = 0.27	
3 alpha-BHC							
1	2.230	2.225	0.005	3872056660H	15.4	15.7	
2	2.703	2.698	0.005	2128101750H	15.4	14.9	
						RPD = 4.90	
4 gamma-BHC (Lindane)							
1	2.518	2.513	0.005	3283387137H	15.2	15.3	
2	2.992	2.987	0.005	1777533925H	15.2	14.5	
						RPD = 5.28	
6 beta-BHC							
1	2.720	2.715	0.005	1398065863H	15.2	14.1	
2	3.238	3.235	0.003	800993463H	15.2	13.7	
						RPD = 2.90	
7 Heptachlor							
1	2.818	2.813	0.005	2533459794H	15.2	14.9	
2	3.545	3.540	0.005	1727222115H	15.2	14.6	
						RPD = 2.03	
8 delta-BHC							
1	2.972	2.967	0.005	3301736462H	15.2	15.7	
2	3.478	3.475	0.003	1932908951H	15.2	14.9	
						RPD = 5.28	
9 Aldrin							
1	3.097	3.092	0.005	2742171640H	15.2	15.5	
2	3.830	3.825	0.005	1778148110H	15.2	15.2	
						RPD = 2.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.590	3.585	0.005	2525947523H	15.4	15.2	
2	4.198	4.193	0.005	1602581163H	15.4	14.7	
						RPD = 3.40	
12 trans-Chlordane							
1	3.790	3.787	0.003	2541208298H	15.2	15.2	
2	4.455	4.450	0.005	1645850567H	15.2	14.2	
						RPD = 6.29	
14 cis-Chlordane							
1	3.872	3.868	0.004	2581513265H	15.2	15.0	
2	4.493	4.490	0.003	1615196273H	15.2	14.3	
						RPD = 5.17	
15 Endosulfan I							
1	3.915	3.910	0.005	2399847154H	15.2	14.8	
2	4.523	4.518	0.005	1515514522H	15.2	14.4	
						RPD = 2.60	
16 4,4'-DDE							
1	4.055	4.050	0.005	5384923968H	30.4	30.8	
2	4.617	4.613	0.004	3477113350H	30.4	30.0	
						RPD = 2.80	
17 Dieldrin							
1	4.153	4.148	0.005	5464415293H	30.4	31.2	
2	4.723	4.718	0.005	3353624587H	30.4	29.7	
						RPD = 4.78	
19 Endrin							
1	4.402	4.398	0.004	4891359645H	30.4	30.1	
2	4.897	4.892	0.005	3060740835H	30.4	28.9	
						RPD = 4.06	
22 4,4'-DDD							
1	4.517	4.512	0.005	4341624394H	30.6	31.8	
2	5.007	5.002	0.005	2666793080H	30.6	28.4	
						RPD = 11.03	
23 Endosulfan II							
1	4.615	4.610	0.005	4698835403H	30.4	29.6	
2	5.093	5.088	0.005	2799261992H	30.4	28.6	
						RPD = 3.62	
24 4,4'-DDT							
1	4.725	4.720	0.005	4043754523H	30.6	30.8	
2	5.230	5.225	0.005	2545070401H	30.6	29.3	
						RPD = 5.06	
25 Endrin aldehyde							
1	4.790	4.785	0.005	4031356080H	30.4	29.6	
2	5.173	5.168	0.005	2410628487H	30.4	28.8	
						RPD = 2.97	
26 Endosulfan sulfate							
1	4.942	4.937	0.005	4815184546H	30.4	30.1	
2	5.378	5.373	0.005	2838422602H	30.4	28.7	
						RPD = 4.63	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.233	5.228	0.005	9390623827H	152.0	140.7	
2	5.543	5.538	0.005	6689351468H	152.0	146.1	
						RPD = 3.74	
29 Endrin ketone							
1	5.373	5.368	0.005	5064454142H	30.4	30.4	
2	5.675	5.668	0.007	3038003253H	30.4	29.0	
						RPD = 4.68	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.133	6.130	0.003	10031101005H	60.8	57.9	
2	6.647	6.643	0.004	5072685380H	60.8	58.6	
						RPD = 1.19	
S 32 Total DDTs							
1						29.3	
2						30.8	
						RPD = 5.06	
S 33 Endosulfan, Total							
1						43.0	
2						44.4	
						RPD = 3.28	

Reagents:

GCS_MIXA5_00004 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 11:53:00 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.008.D

Injection Date: 21-Jun-2021 10:32:00 Instrument ID: 9191

Lims ID: ic mixa5

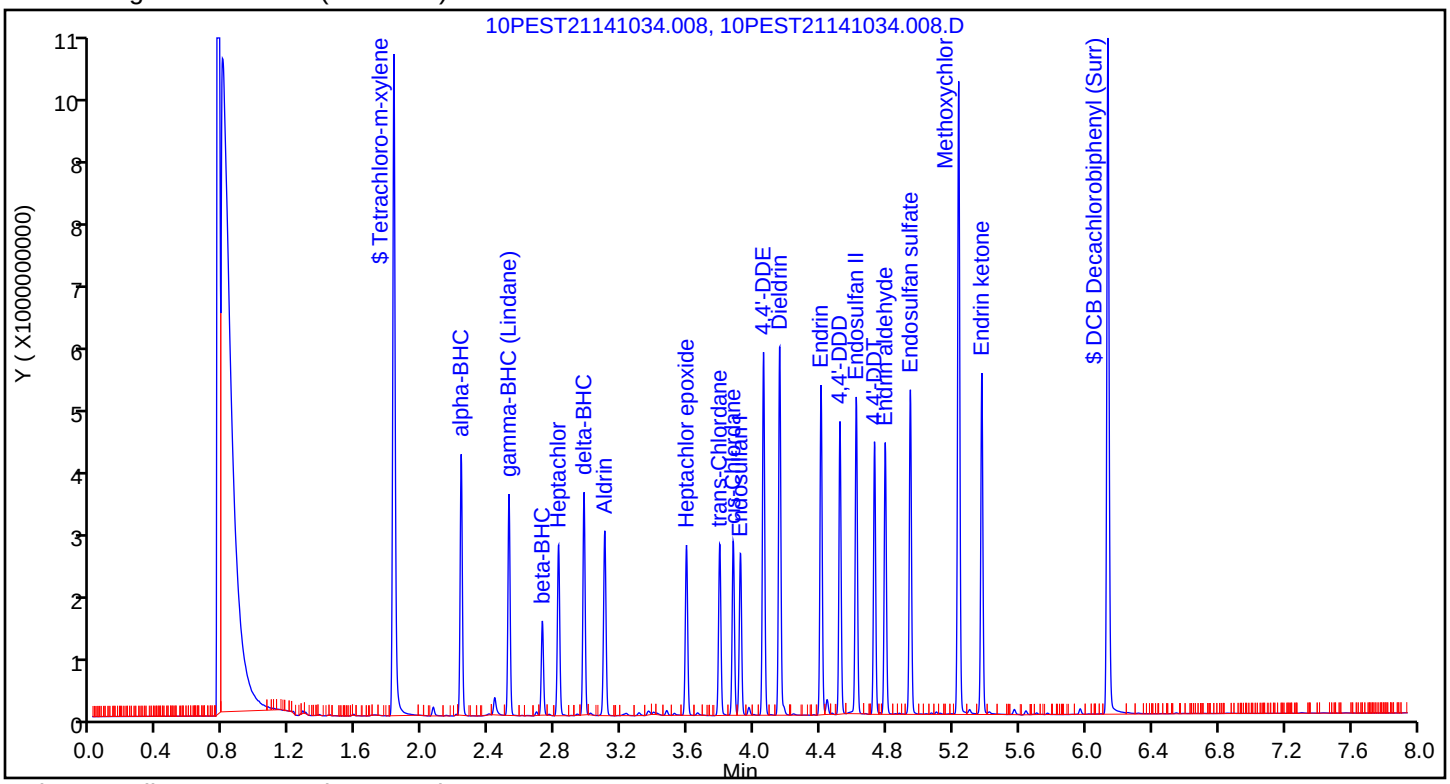
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 8

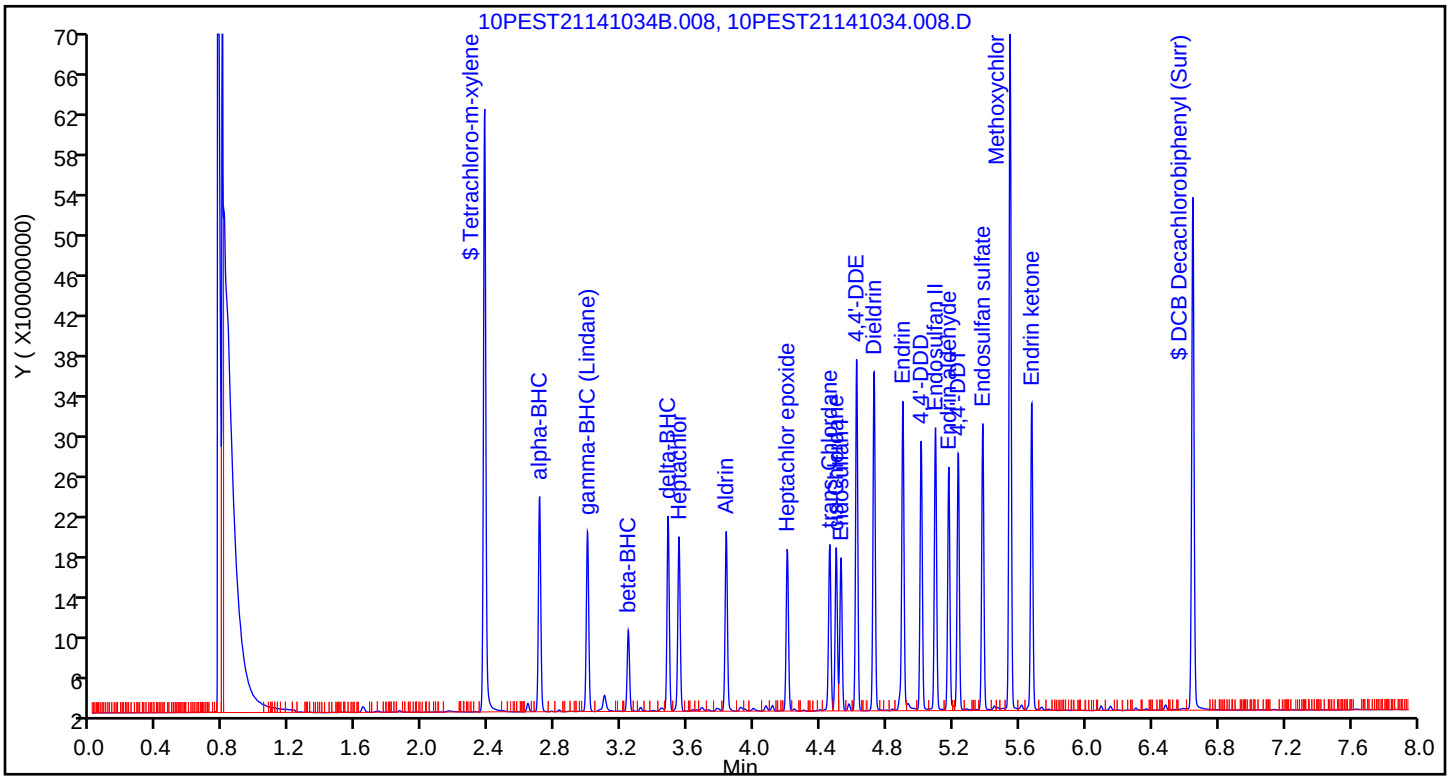
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D
Lims ID: ic mixa6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Jun-2021 10:44:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a6
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 11:53:08 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.820	0.003	12794082025H	80.1	77.4	
2	2.367	2.367	0.000	7691886155H	80.1	76.7	
						RPD = 0.80	
3 alpha-BHC							
1	2.230	2.225	0.005	5138069386H	20.3	20.8	
2	2.700	2.698	0.002	2876005518H	20.3	20.2	
						RPD = 3.08	
4 gamma-BHC (Lindane)							
1	2.518	2.513	0.005	4320451628H	20.0	20.1	
2	2.988	2.987	0.001	2375560557H	20.0	19.4	
						RPD = 3.73	
6 beta-BHC							
1	2.720	2.715	0.005	1818914394H	20.0	18.3	
2	3.235	3.235	0.000	1042454742H	20.0	17.8	
						RPD = 2.87	
7 Heptachlor							
1	2.817	2.813	0.004	3282967362H	20.0	19.3	
2	3.542	3.540	0.002	2200768984H	20.0	18.6	
						RPD = 3.71	
8 delta-BHC							
1	2.972	2.967	0.005	4280472121H	20.0	20.4	
2	3.475	3.475	0.000	2487330535H	20.0	19.2	
						RPD = 6.02	
9 Aldrin							
1	3.097	3.092	0.005	3580725597H	20.0	20.3	
2	3.827	3.825	0.002	2221041865H	20.0	19.0	
						RPD = 6.87	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.590	3.585	0.005	3294956865H	20.3	19.9	
2	4.195	4.193	0.002	2048171106H	20.3	18.8	
						RPD = 5.44	
12 trans-Chlordane							
1	3.790	3.787	0.003	3323788015H	20.0	19.8	
2	4.452	4.450	0.002	2155437712H	20.0	18.7	
						RPD = 6.16	
14 cis-Chlordane							
1	3.872	3.868	0.004	3340436514H	20.0	19.4	
2	4.490	4.490	0.000	2091184809H	20.0	18.5	
						RPD = 5.12	
15 Endosulfan I							
1	3.915	3.910	0.005	3174229758H	20.0	19.6	
2	4.518	4.518	0.000	1928805022H	20.0	18.4	
						RPD = 6.45	
16 4,4'-DDE							
1	4.055	4.050	0.005	7034848405H	40.0	40.3	
2	4.613	4.613	0.000	4631988045H	40.0	39.9	
						RPD = 0.85	
17 Dieldrin							
1	4.152	4.148	0.004	7141397361H	40.0	40.7	
2	4.718	4.718	0.000	4421168301H	40.0	39.2	
						RPD = 3.91	
19 Endrin							
1	4.402	4.398	0.004	6209700970H	40.0	38.2	
2	4.893	4.892	0.001	3868591466H	40.0	36.5	
						RPD = 4.50	
22 4,4'-DDD							
1	4.517	4.512	0.005	5646697700H	40.3	41.3	
2	5.003	5.002	0.001	3629974982H	40.3	38.7	
						RPD = 6.48	
23 Endosulfan II							
1	4.615	4.610	0.005	6168138363H	40.0	38.9	
2	5.090	5.088	0.002	3682303366H	40.0	37.6	
						RPD = 3.41	
24 4,4'-DDT							
1	4.725	4.720	0.005	5241532360H	40.3	39.9	
2	5.227	5.225	0.002	3452887315H	40.3	39.7	
						RPD = 0.50	
25 Endrin aldehyde							
1	4.790	4.785	0.005	5177780996H	40.0	38.1	
2	5.170	5.168	0.002	3124203606H	40.0	37.3	
						RPD = 2.07	
26 Endosulfan sulfate							
1	4.942	4.937	0.005	6117800071H	40.0	38.2	
2	5.375	5.373	0.002	3605232620H	40.0	36.4	
						RPD = 4.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.233	5.228	0.005	11945152843H	200.0	179.0	
2	5.540	5.538	0.002	8378414978H	200.0	182.9	
						RPD = 2.19	
29 Endrin ketone							
1	5.372	5.368	0.004	6258666900H	40.0	37.5	
2	5.670	5.668	0.002	3848001442H	40.0	36.7	
						RPD = 2.22	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.133	6.130	0.003	12697334089H	80.0	73.3	
2	6.643	6.643	0.000	6163804348H	80.0	71.2	
						RPD = 2.90	
S 32 Total DDTs							
1						39.7	
2						39.9	
						RPD = 0.50	
S 33 Endosulfan, Total							
1						55.9	
2						58.5	
						RPD = 4.42	

Reagents:

GCS_MIXA6_00003 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 11:53:09 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Injection Date: 21-Jun-2021 10:44:00 Instrument ID: 9191

Lims ID: ic mixa6

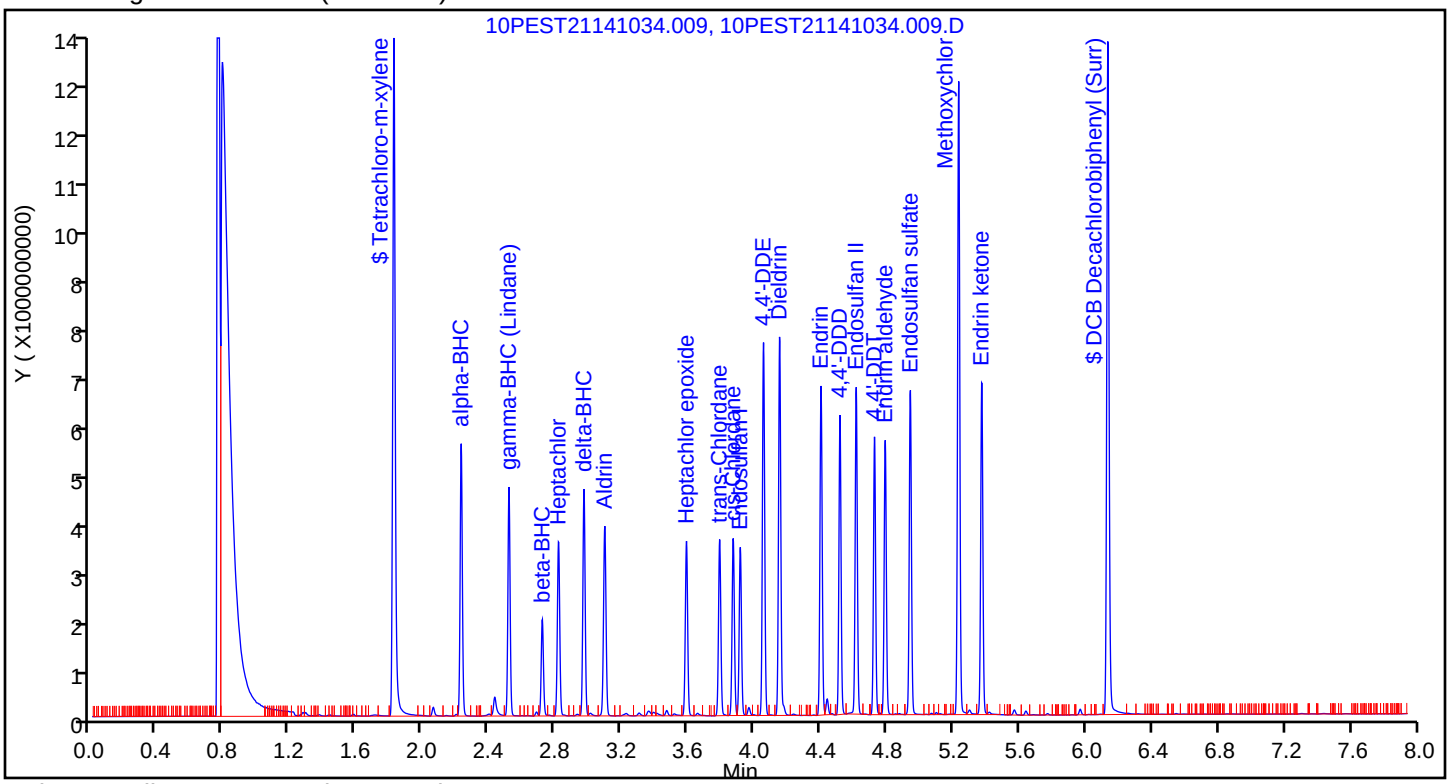
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 9

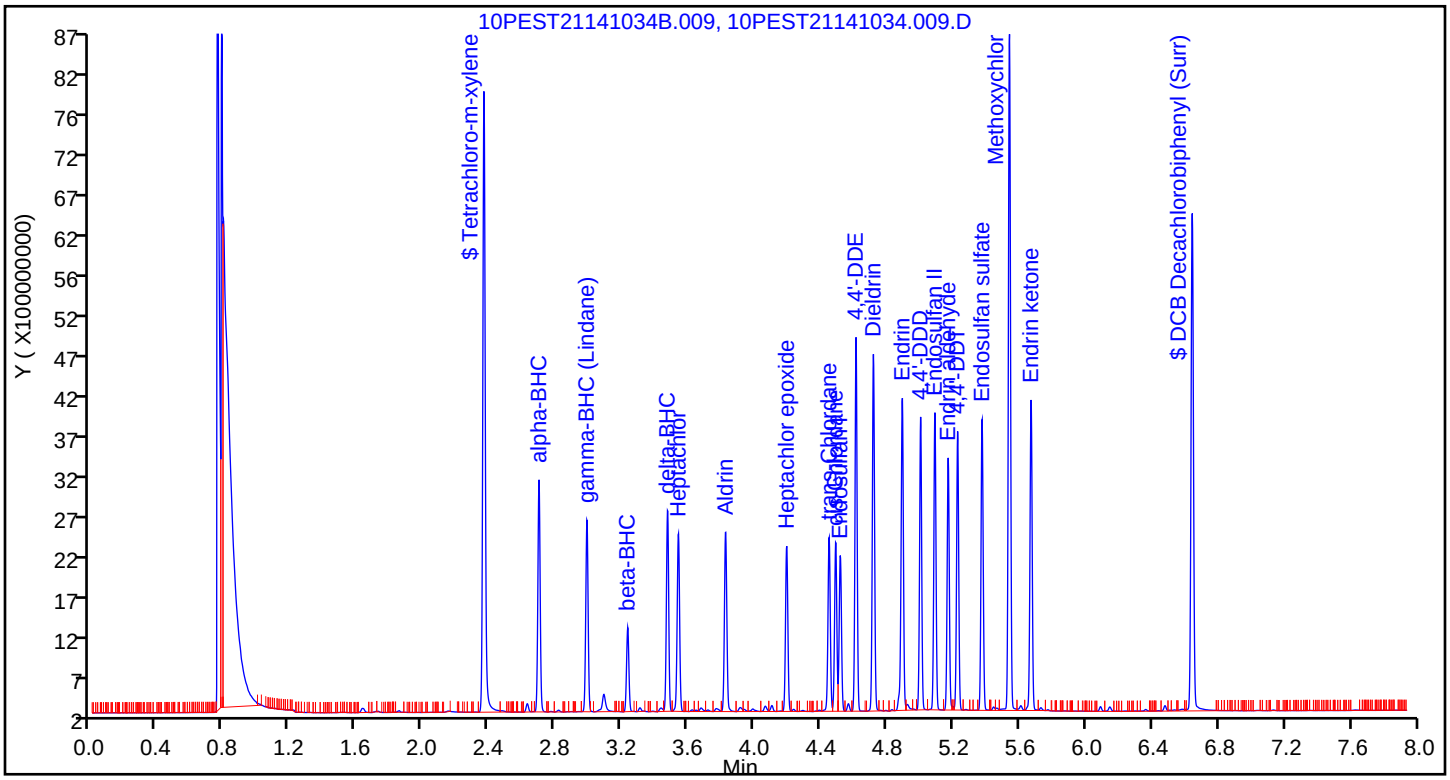
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Calibration / Tetrachloro-m-xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

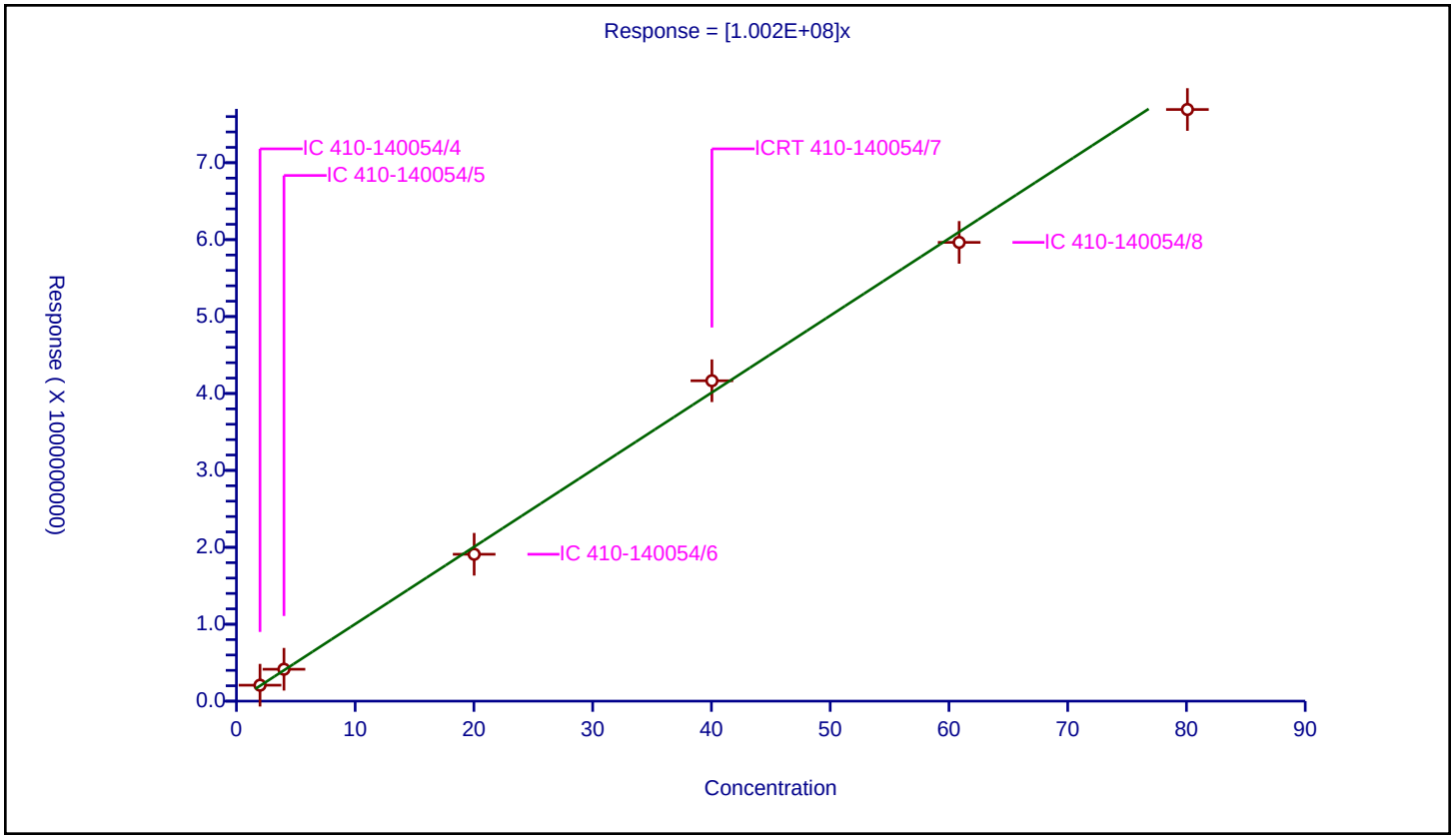
Curve Coefficients

Intercept:	0
Slope:	1.002E+08

Error Coefficients

Standard Error:	181000000
Relative Standard Error:	4.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	1.985984	207306478.0			104384767.450292	Y
2	IC 410-140054/5	4.004	414641008.0			103556695.304695	Y
3	IC 410-140054/6	20.02	1909407746.0			95375012.287712	Y
4	ICRT 410-140054/7	40.04	4165506683.0			104033633.441558	Y
5	IC 410-140054/8	60.8608	5964624412.0			98004370.826542	Y
6	IC 410-140054/9	80.08	7691886155.0			96052524.413087	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

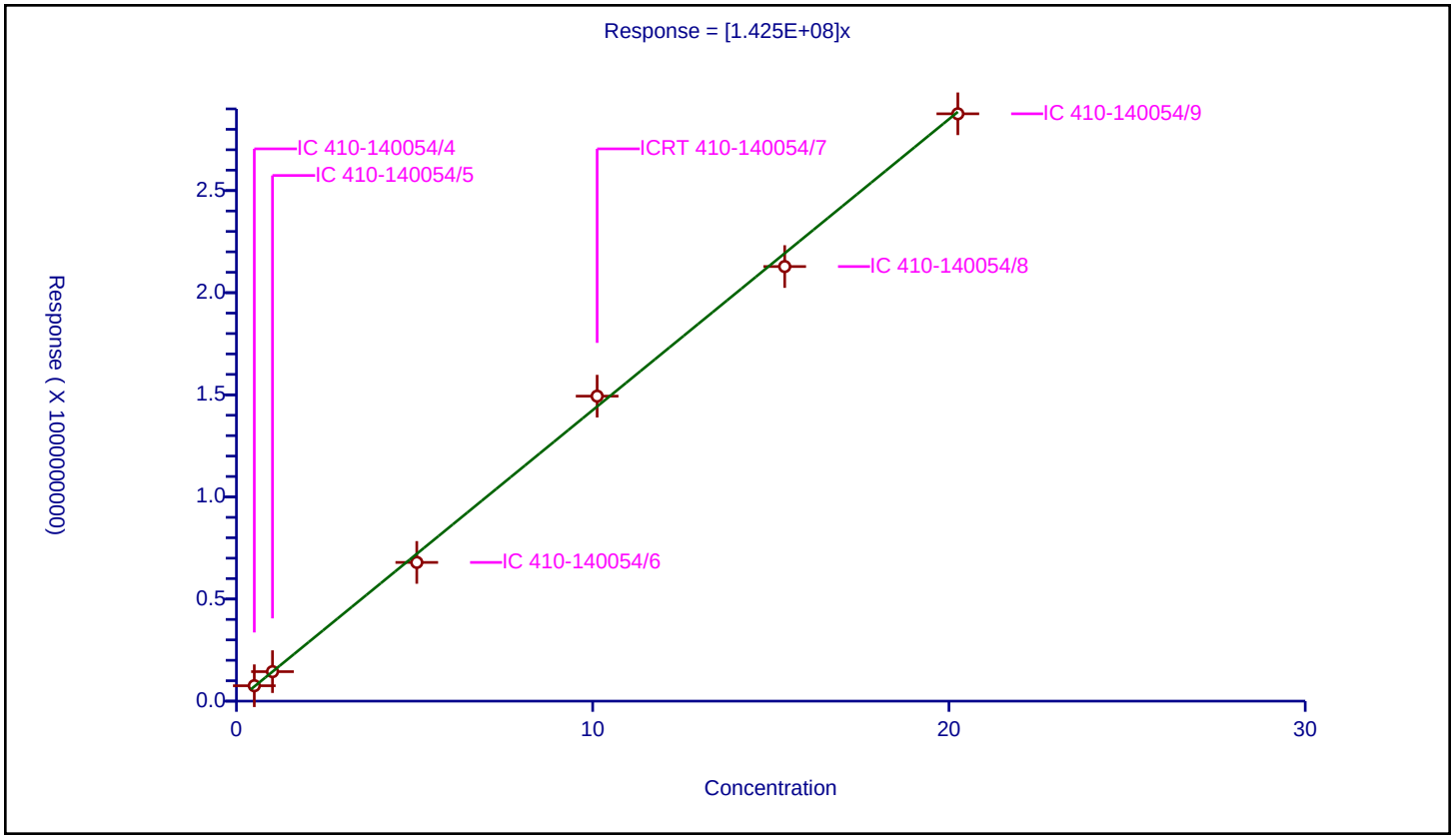
Curve Coefficients

Intercept:	0
Slope:	1.425E+08

Error Coefficients

Standard Error:	41600000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.5022	75486335.0			150311300.278773	Y
2	IC 410-140054/5	1.0125	144404365.0			142621595.061728	Y
3	IC 410-140054/6	5.0625	679282339.0			134179227.45679	Y
4	ICRT 410-140054/7	10.125	1493405774.0			147496866.567901	Y
5	IC 410-140054/8	15.39	2128101750.0			138278216.374269	Y
6	IC 410-140054/9	20.25	2876005518.0			142024963.851852	Y



Calibration / gamma-BHC (Lindane)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

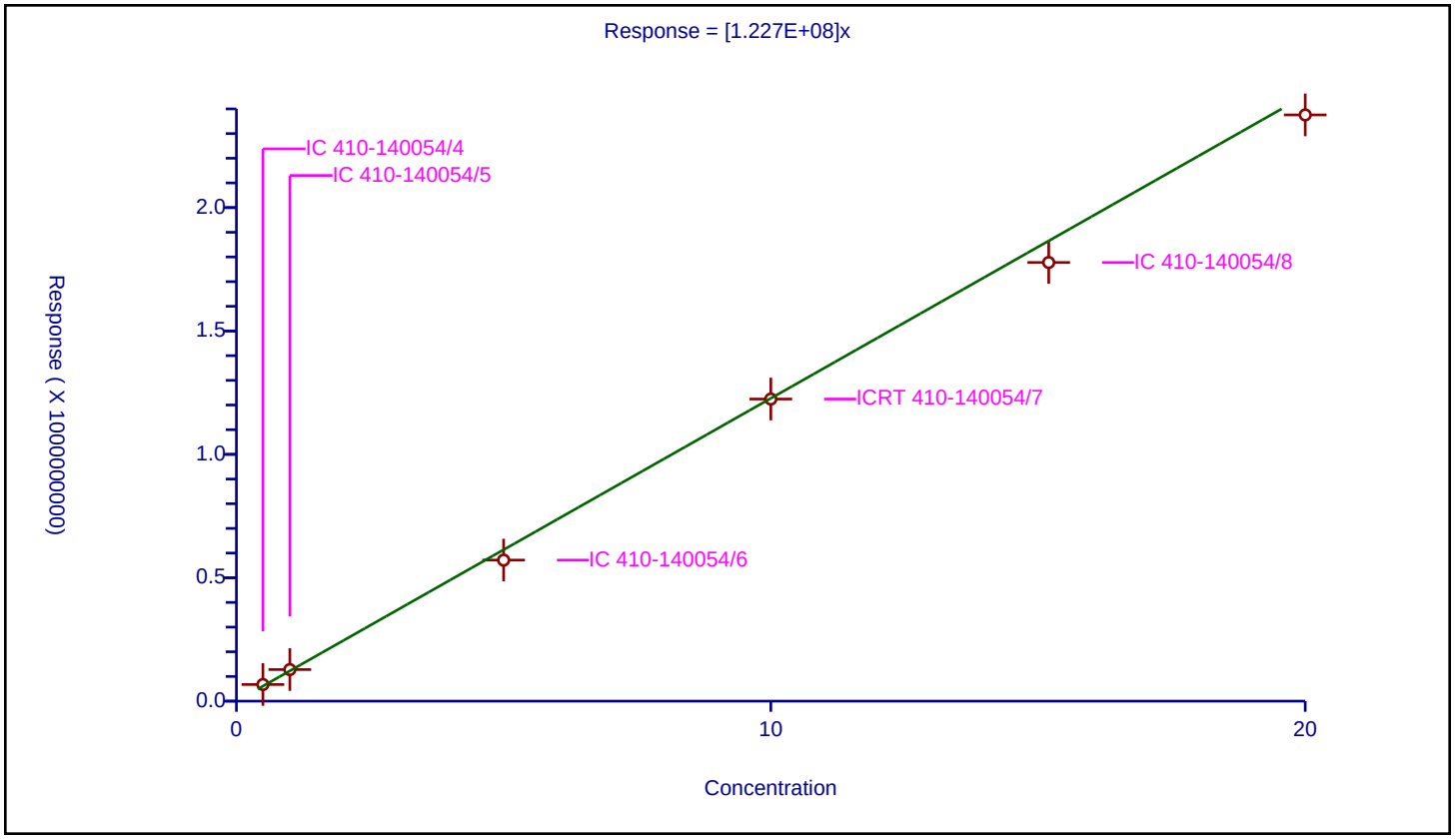
Curve Coefficients

Intercept:	0
Slope:	1.227E+08

Error Coefficients

Standard Error:	56000000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	67354969.0			135796308.467742	Y
2	IC 410-140054/5	1.0	127978499.0			127978499.0	Y
3	IC 410-140054/6	5.0	571596007.0			114319201.4	Y
4	ICRT 410-140054/7	10.0	1224252321.0			122425232.1	Y
5	IC 410-140054/8	15.2	1777533925.0			116943021.381579	Y
6	IC 410-140054/9	20.0	2375560557.0			118778027.85	Y



Calibration / beta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

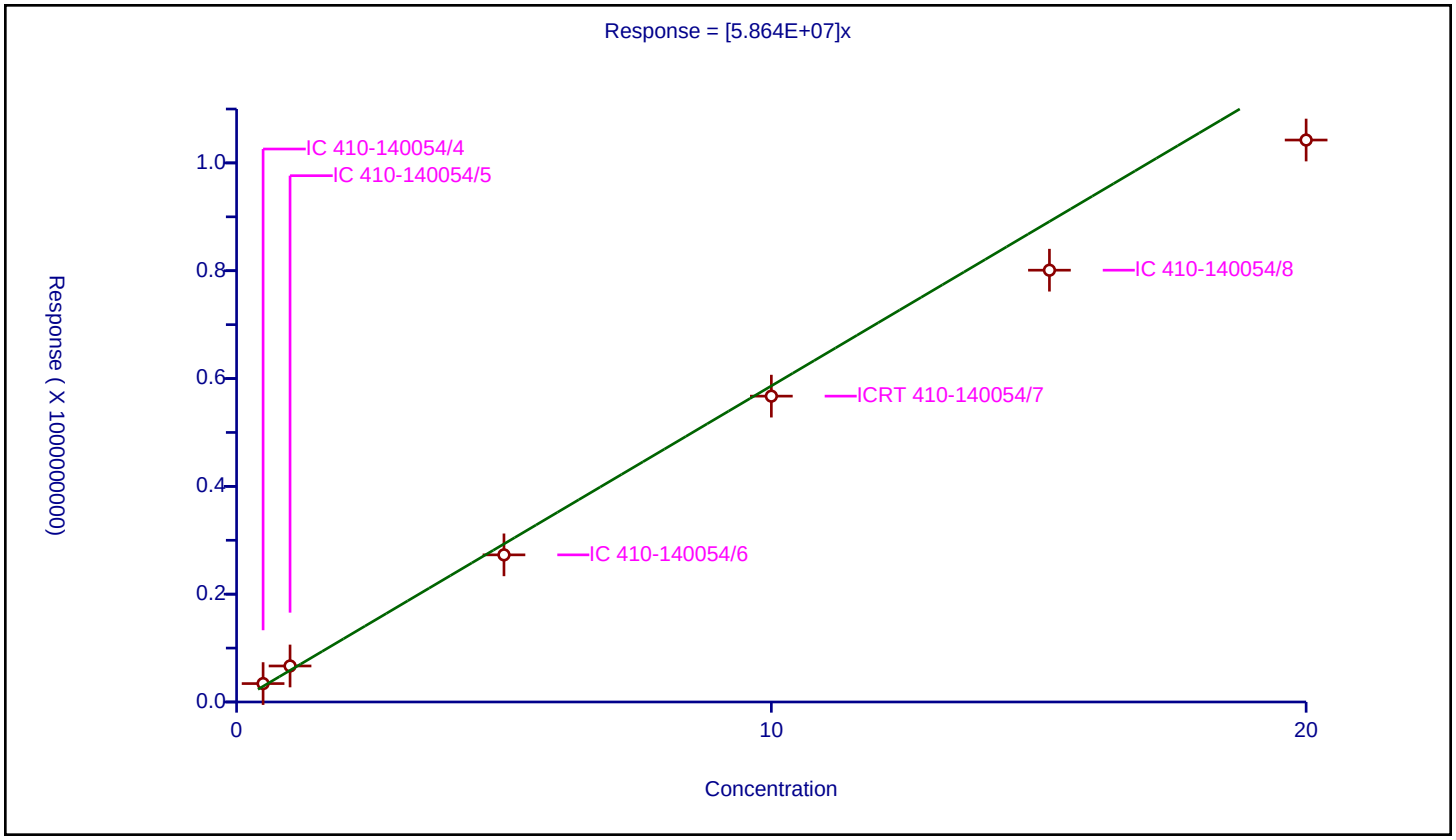
Curve Coefficients

Intercept:	0
Slope:	5.864E+07

Error Coefficients

Standard Error:	72100000
Relative Standard Error:	12.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	34158499.0			68867941.532258	Y
2	IC 410-140054/5	1.0	66808679.0			66808679.0	Y
3	IC 410-140054/6	5.0	272954474.0			54590894.8	Y
4	ICRT 410-140054/7	10.0	567353147.0			56735314.7	Y
5	IC 410-140054/8	15.2	800993463.0			52696938.355263	Y
6	IC 410-140054/9	20.0	1042454742.0			52122737.1	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

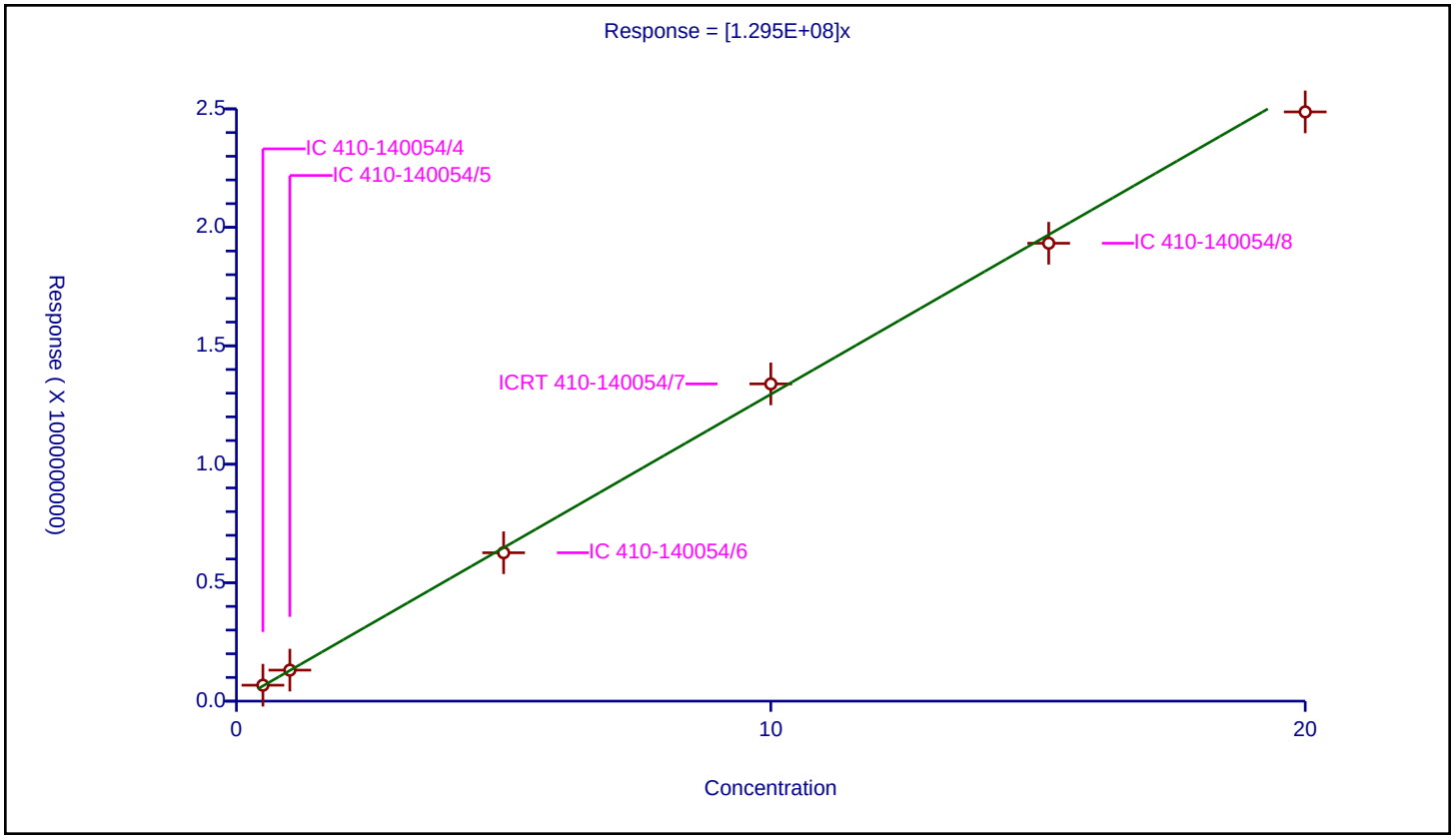
Curve Coefficients

Intercept:	0
Slope:	1.295E+08

Error Coefficients

Standard Error:	53600000
Relative Standard Error:	3.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	67250443.0			135585570.564516	Y
2	IC 410-140054/5	1.0	130868089.0			130868089.0	Y
3	IC 410-140054/6	5.0	626407502.0			125281500.4	Y
4	ICRT 410-140054/7	10.0	1339223839.0			133922383.9	Y
5	IC 410-140054/8	15.2	1932908951.0			127165062.565789	Y
6	IC 410-140054/9	20.0	2487330535.0			124366526.75	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

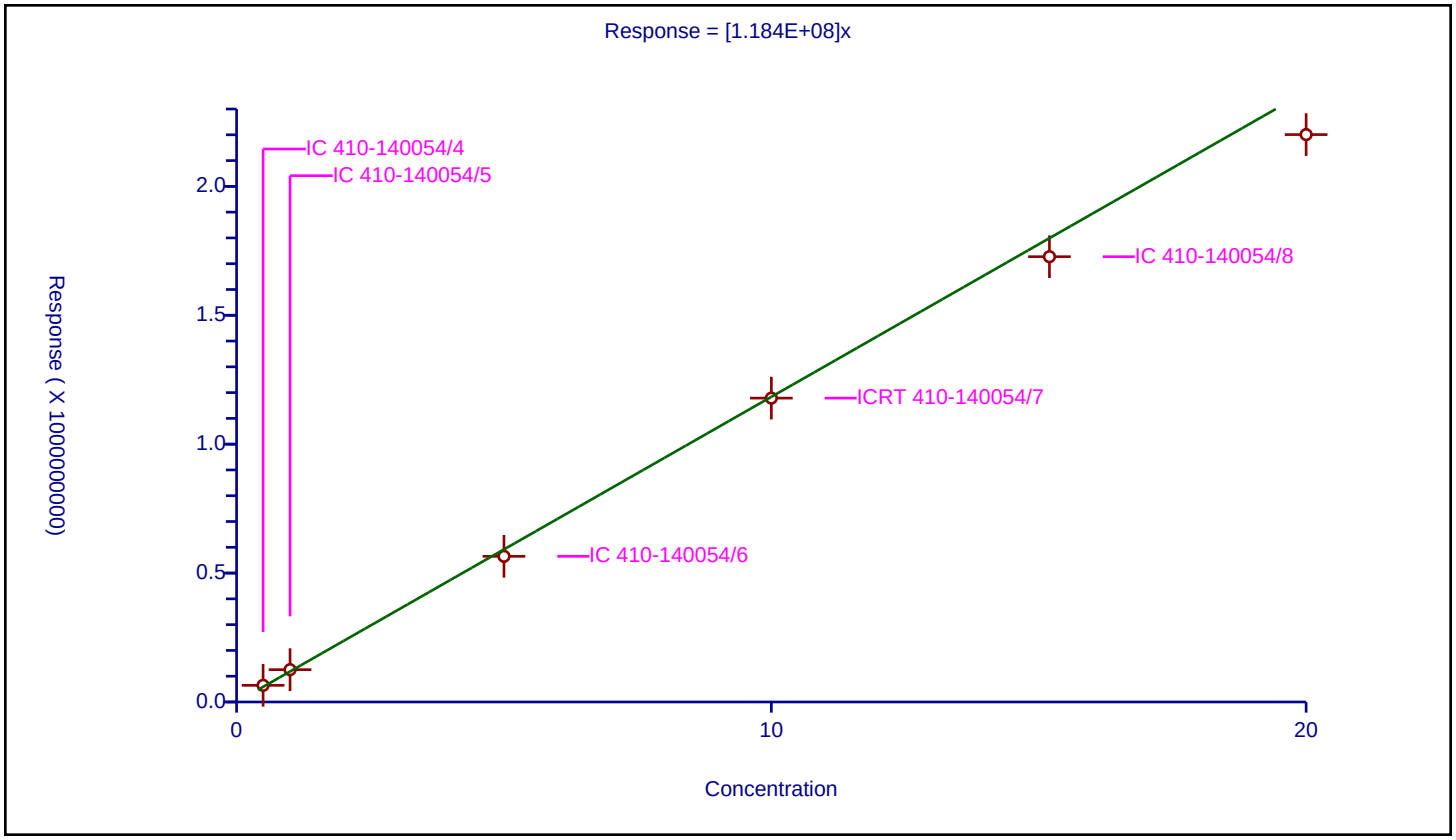
Curve Coefficients

Intercept:	0
Slope:	1.184E+08

Error Coefficients

Standard Error:	82000000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	64547860.0			130136814.516129	Y
2	IC 410-140054/5	1.0	125454550.0			125454550.0	Y
3	IC 410-140054/6	5.0	565052570.0			113010514.0	Y
4	ICRT 410-140054/7	10.0	1178671378.0			117867137.8	Y
5	IC 410-140054/8	15.2	1727222115.0			113633033.881579	Y
6	IC 410-140054/9	20.0	2200768984.0			110038449.2	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

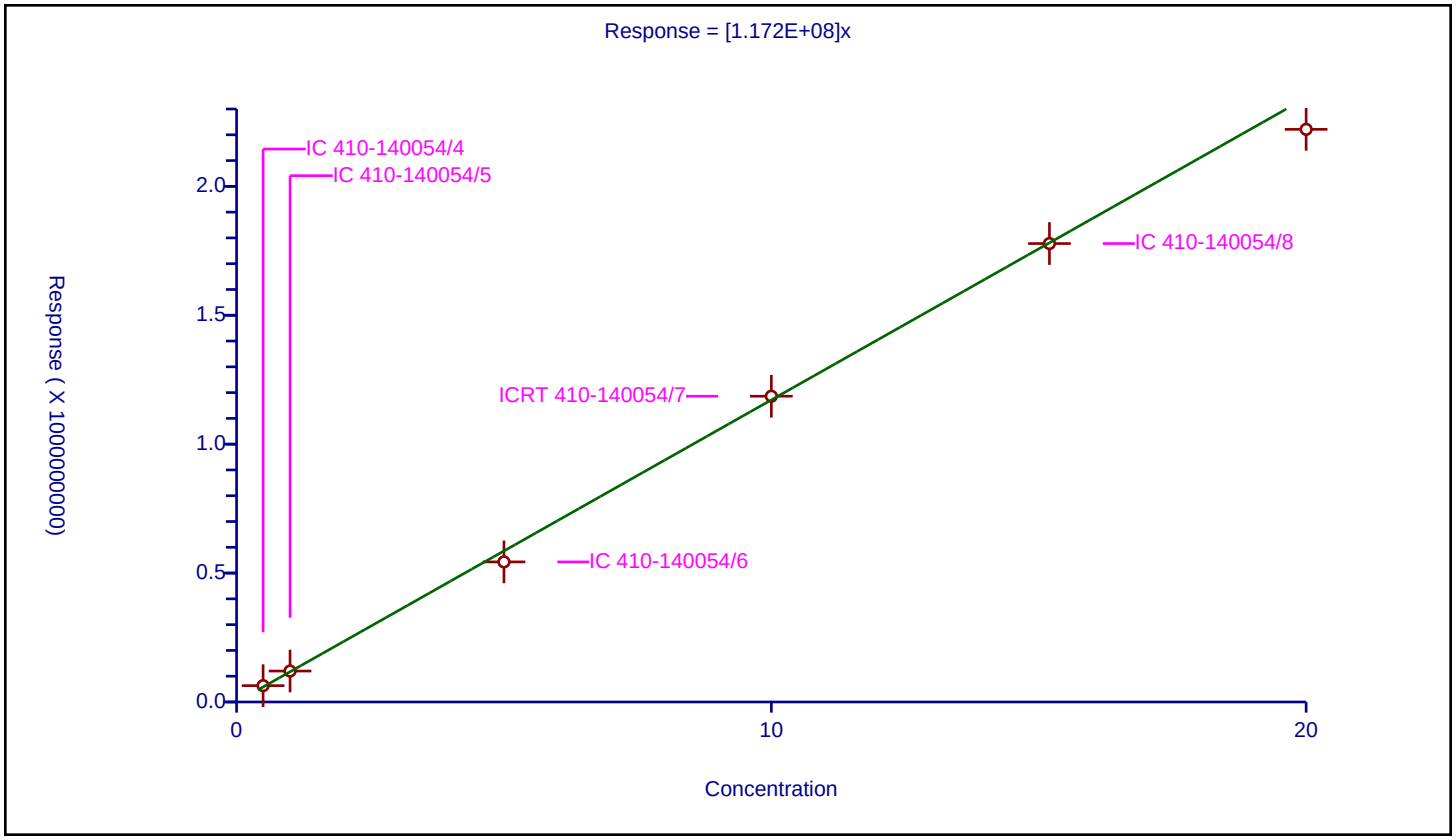
Curve Coefficients

Intercept:	0
Slope:	1.172E+08

Error Coefficients

Standard Error:	58300000
Relative Standard Error:	5.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	63307246.0			127635576.612903	Y
2	IC 410-140054/5	1.0	120052344.0			120052344.0	Y
3	IC 410-140054/6	5.0	543386614.0			108677322.8	Y
4	ICRT 410-140054/7	10.0	1185980147.0			118598014.7	Y
5	IC 410-140054/8	15.2	1778148110.0			116983428.289474	Y
6	IC 410-140054/9	20.0	2221041865.0			111052093.25	Y



Calibration / Heptachlor epoxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

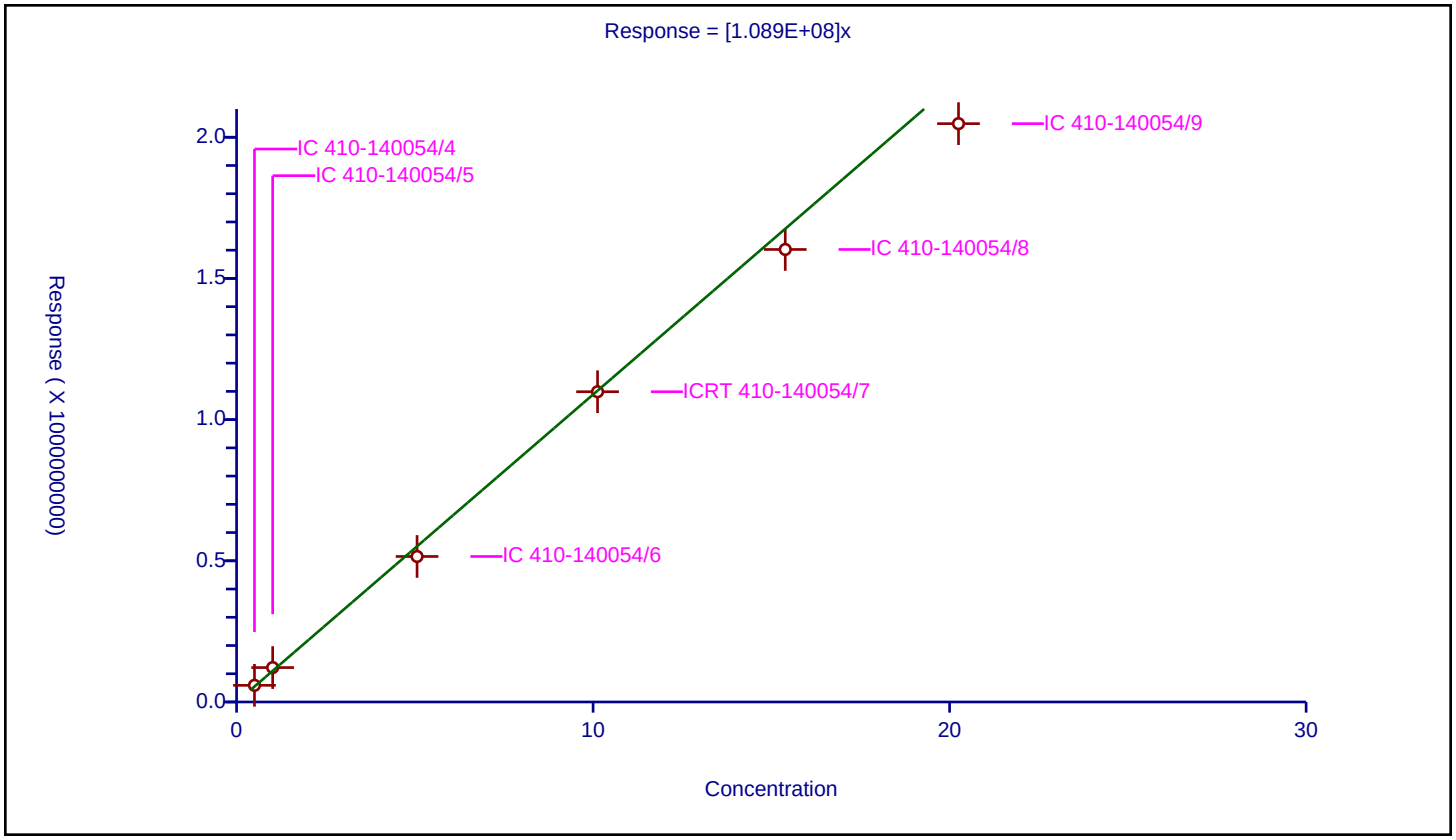
Curve Coefficients

Intercept:	0
Slope:	1.089E+08

Error Coefficients

Standard Error:	79200000
Relative Standard Error:	7.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.5022	58935107.0			117353857.029072	Y
2	IC 410-140054/5	1.0125	121879552.0			120374866.17284	Y
3	IC 410-140054/6	5.0625	515308891.0			101789410.567901	Y
4	ICRT 410-140054/7	10.125	1098741053.0			108517634.864198	Y
5	IC 410-140054/8	15.39	1602581163.0			104131329.62963	Y
6	IC 410-140054/9	20.25	2048171106.0			101144252.148148	Y



Calibration / trans-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

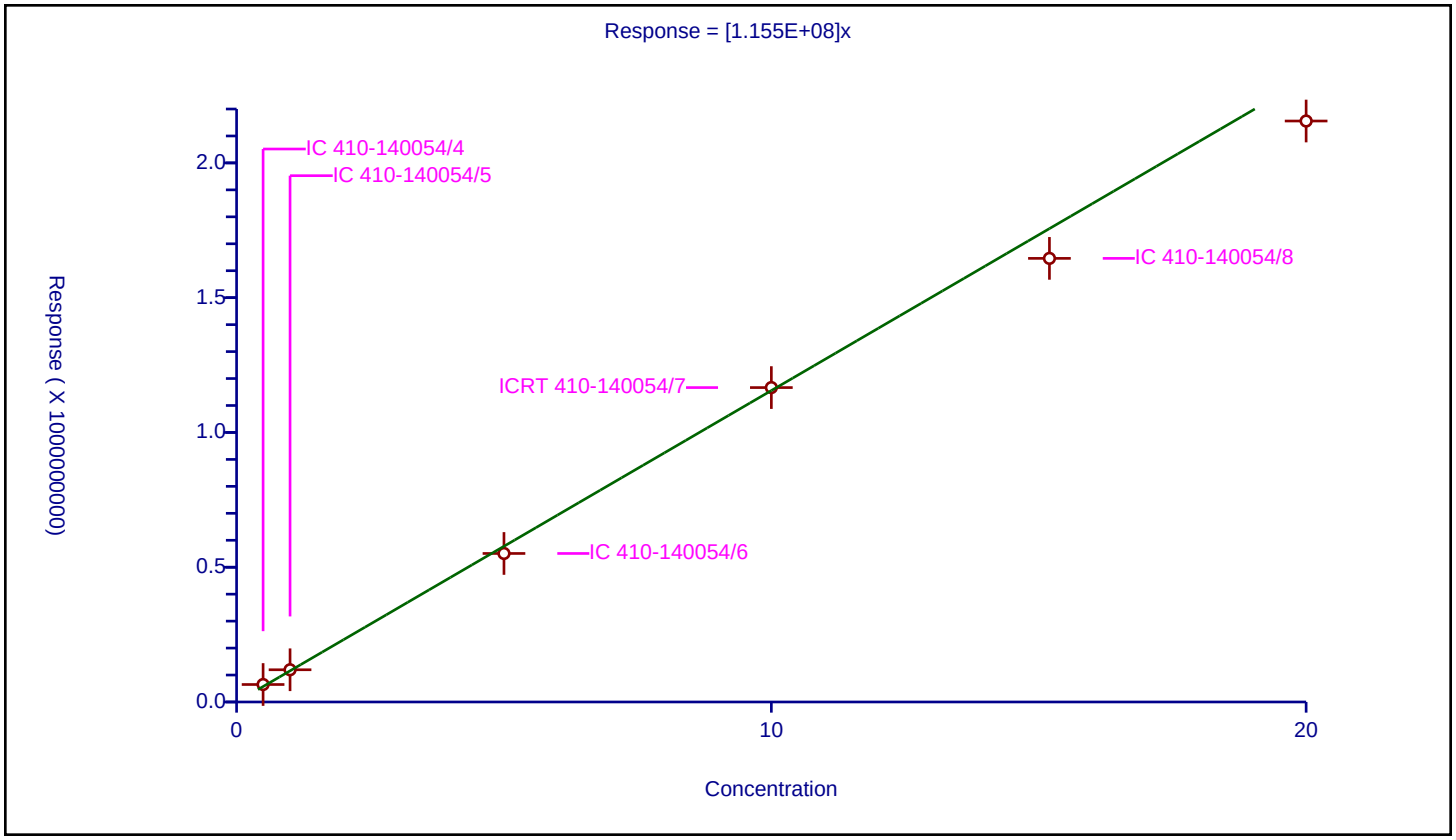
Curve Coefficients

Intercept:	0
Slope:	1.155E+08

Error Coefficients

Standard Error:	86300000
Relative Standard Error:	7.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	64891222.0			130829076.612903	Y
2	IC 410-140054/5	1.0	119520915.0			119520915.0	Y
3	IC 410-140054/6	5.0	551018807.0			110203761.4	Y
4	ICRT 410-140054/7	10.0	1166529493.0			116652949.3	Y
5	IC 410-140054/8	15.2	1645850567.0			108279642.565789	Y
6	IC 410-140054/9	20.0	2155437712.0			107771885.6	Y



Calibration / cis-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

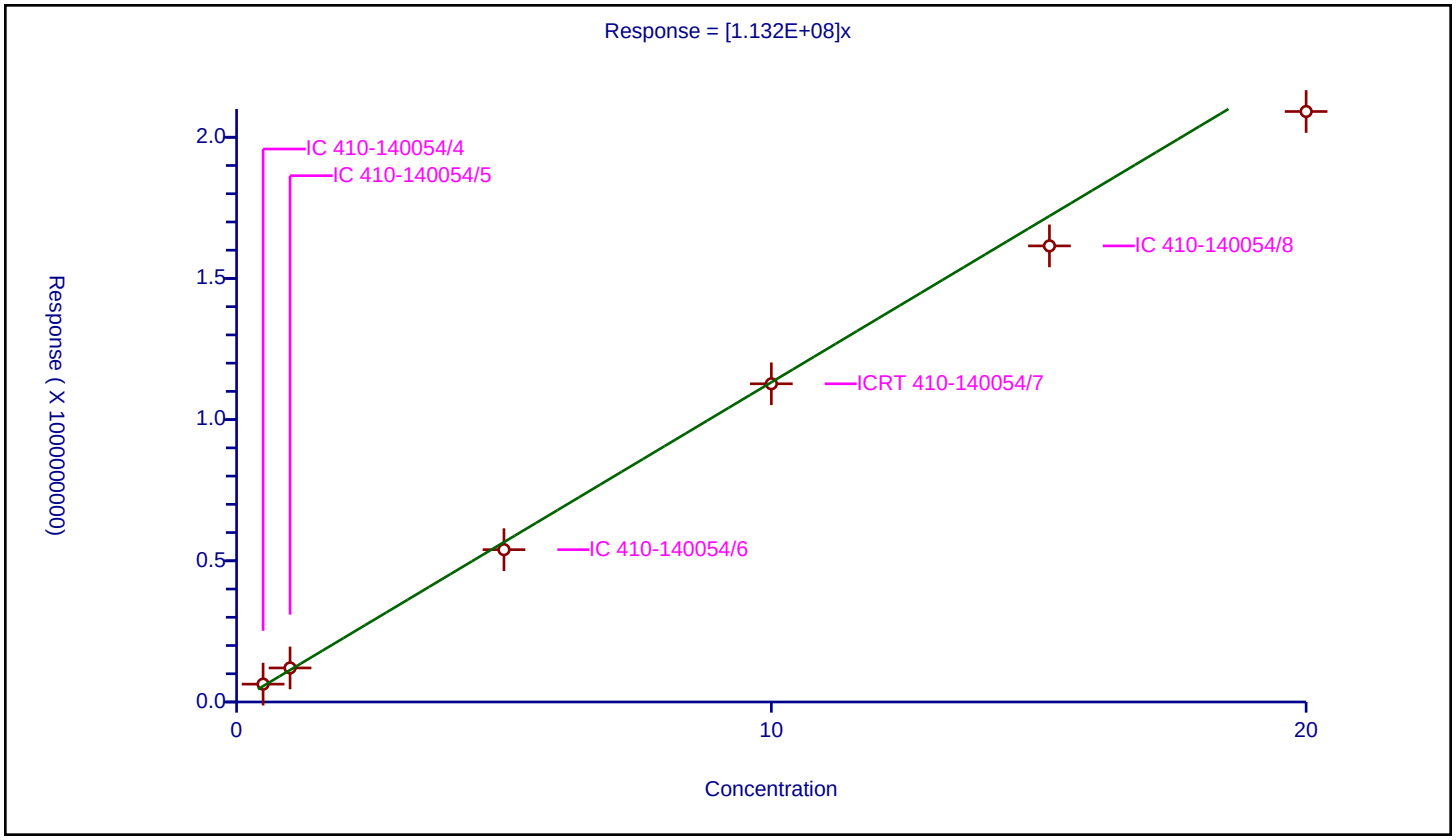
Curve Coefficients

Intercept:	0
Slope:	1.132E+08

Error Coefficients

Standard Error:	91700000
Relative Standard Error:	8.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	63194650.0			127408568.548387	Y
2	IC 410-140054/5	1.0	120521985.0			120521985.0	Y
3	IC 410-140054/6	5.0	539453846.0			107890769.2	Y
4	ICRT 410-140054/7	10.0	1126917382.0			112691738.2	Y
5	IC 410-140054/8	15.2	1615196273.0			106262912.697368	Y
6	IC 410-140054/9	20.0	2091184809.0			104559240.45	Y



Calibration / Endosulfan I

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

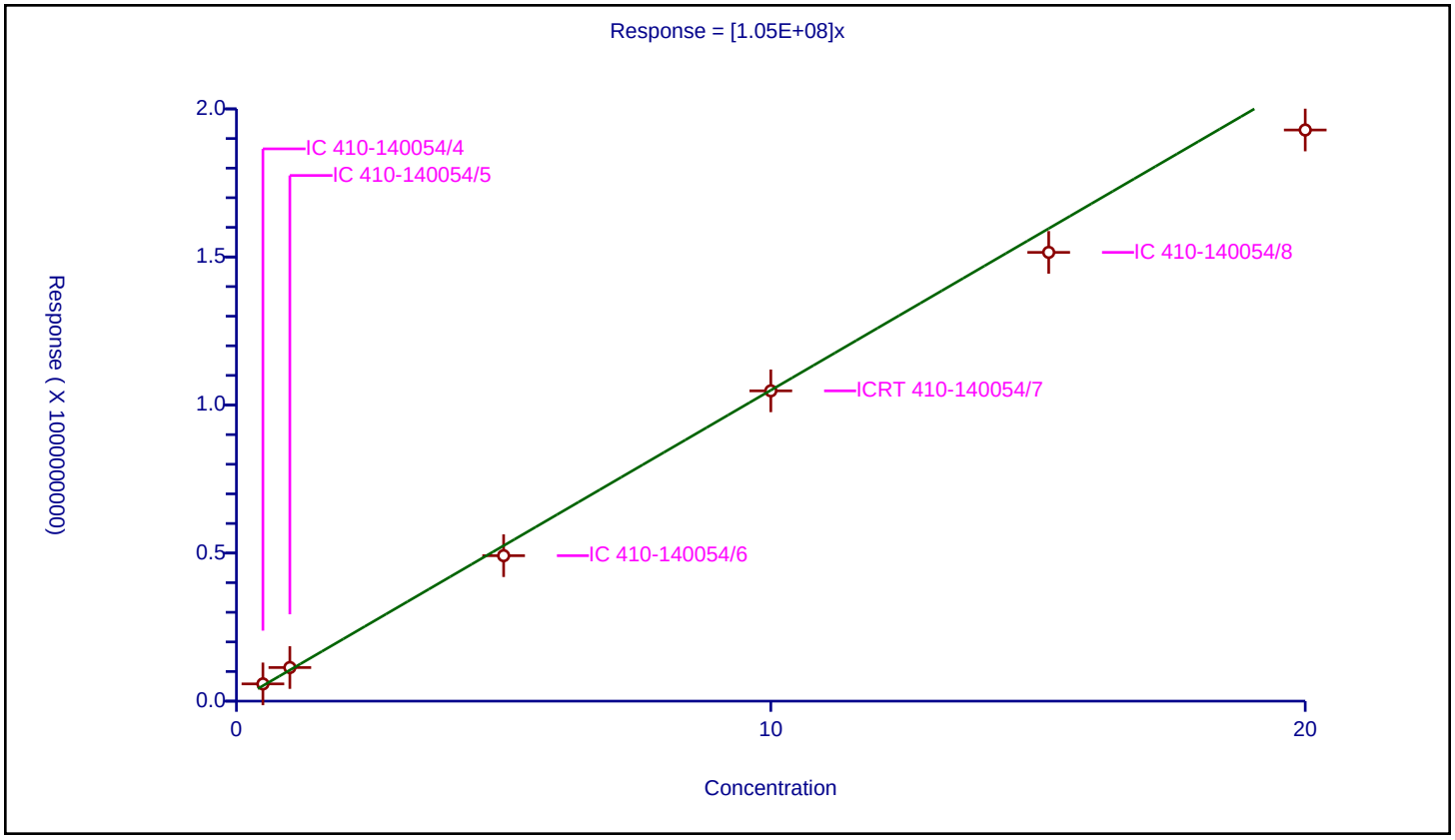
Curve Coefficients

Intercept:	0
Slope:	1.05E+08

Error Coefficients

Standard Error:	86000000
Relative Standard Error:	8.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.496	58228335.0			117395836.693548	Y
2	IC 410-140054/5	1.0	113418604.0			113418604.0	Y
3	IC 410-140054/6	5.0	491175825.0			98235165.0	Y
4	ICRT 410-140054/7	10.0	1047830647.0			104783064.7	Y
5	IC 410-140054/8	15.2	1515514522.0			99704902.763158	Y
6	IC 410-140054/9	20.0	1928805022.0			96440251.1	Y



Calibration / 4,4'-DDE

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

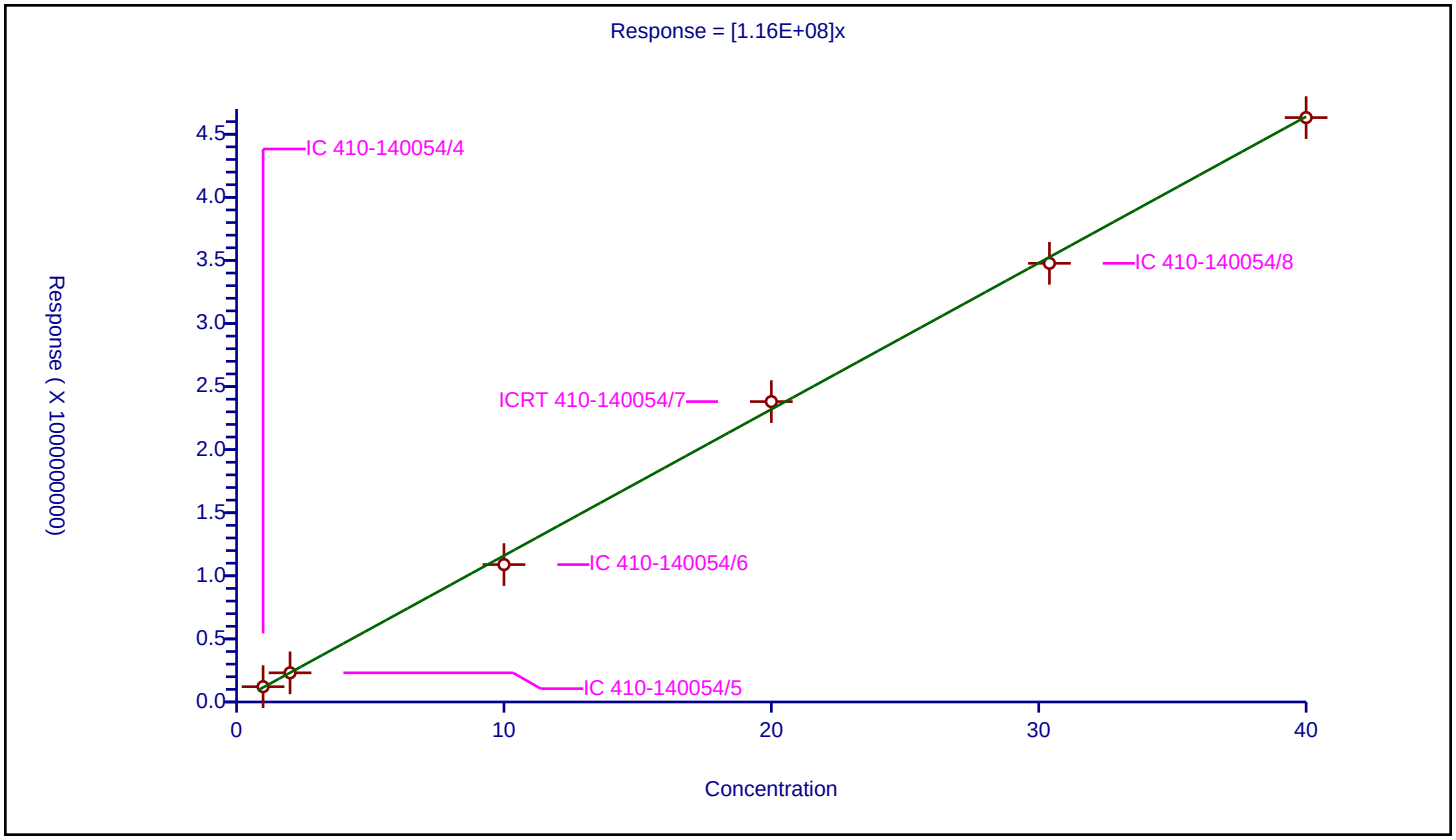
Curve Coefficients

Intercept:	0
Slope:	1.16E+08

Error Coefficients

Standard Error:	47500000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	121300143.0			122278369.959677	Y
2	IC 410-140054/5	2.0	231066140.0			115533070.0	Y
3	IC 410-140054/6	10.0	1089121567.0			108912156.7	Y
4	ICRT 410-140054/7	20.0	2381005351.0			119050267.55	Y
5	IC 410-140054/8	30.4	3477113350.0			114378728.618421	Y
6	IC 410-140054/9	40.0	4631988045.0			115799701.125	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

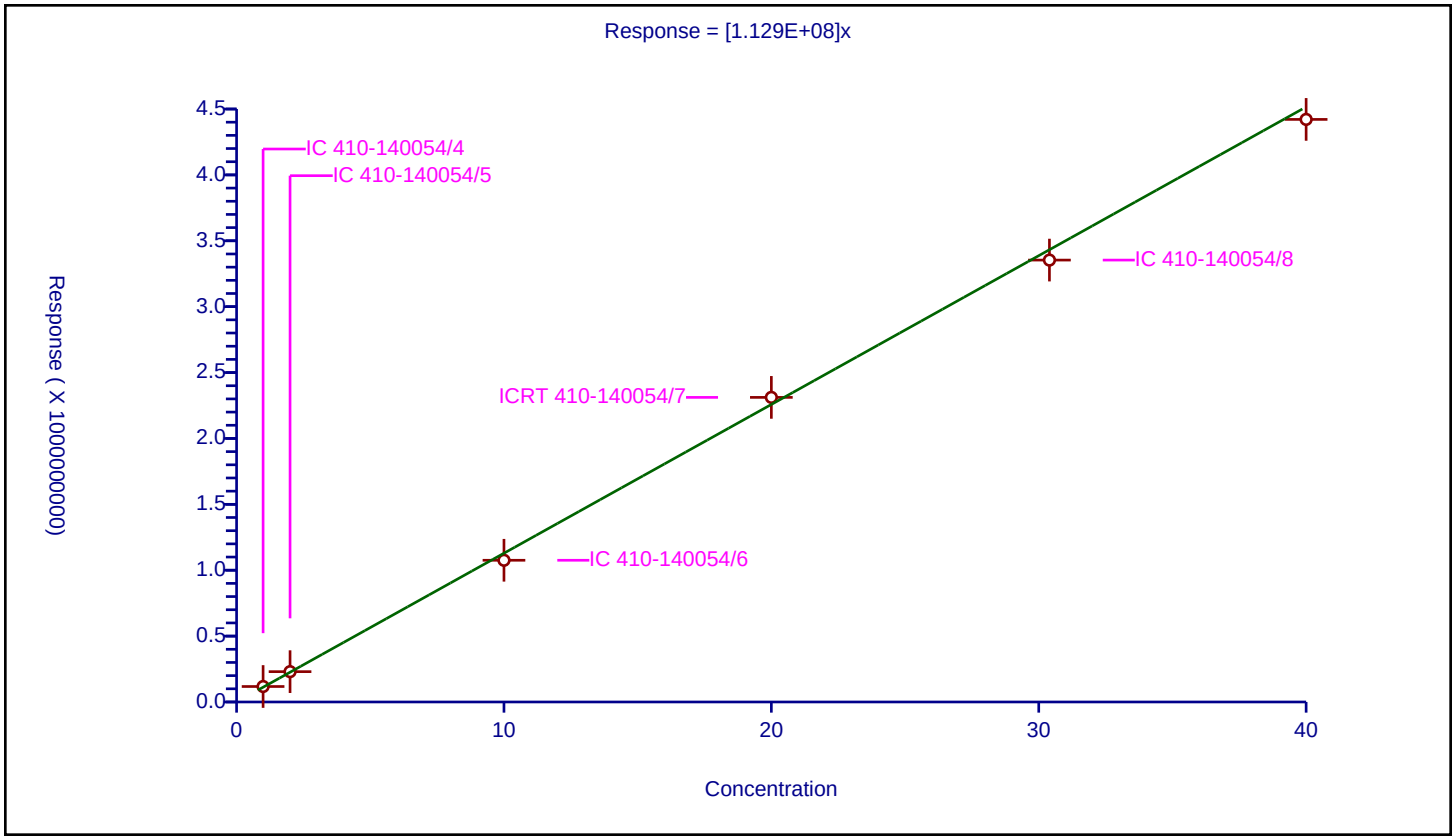
Curve Coefficients

Intercept:	0
Slope:	1.129E+08

Error Coefficients

Standard Error:	64700000
Relative Standard Error:	3.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	117385182.0			118331836.693548	Y
2	IC 410-140054/5	2.0	230148402.0			115074201.0	Y
3	IC 410-140054/6	10.0	1075468639.0			107546863.9	Y
4	ICRT 410-140054/7	20.0	2311588840.0			115579442.0	Y
5	IC 410-140054/8	30.4	3353624587.0			110316598.256579	Y
6	IC 410-140054/9	40.0	4421168301.0			110529207.525	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

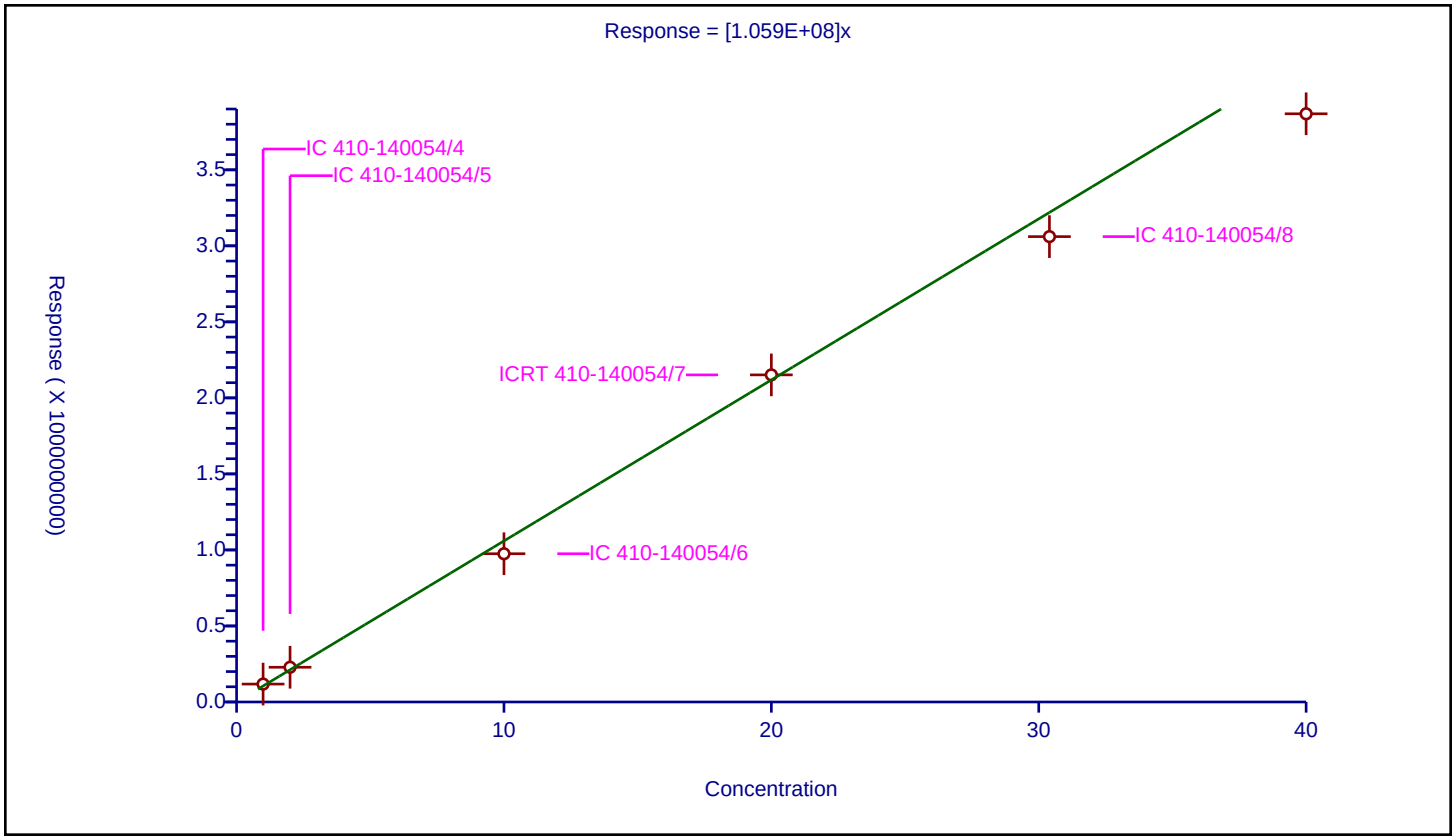
Curve Coefficients

Intercept:	0
Slope:	1.059E+08

Error Coefficients

Standard Error:	184000000
Relative Standard Error:	8.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	117832997.0			118783263.104839	Y
2	IC 410-140054/5	2.0	228429735.0			114214867.5	Y
3	IC 410-140054/6	10.0	975050442.0			97505044.2	Y
4	ICRT 410-140054/7	20.0	2151408108.0			107570405.4	Y
5	IC 410-140054/8	30.4	3060740835.0			100682264.309211	Y
6	IC 410-140054/9	40.0	3868591466.0			96714786.65	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

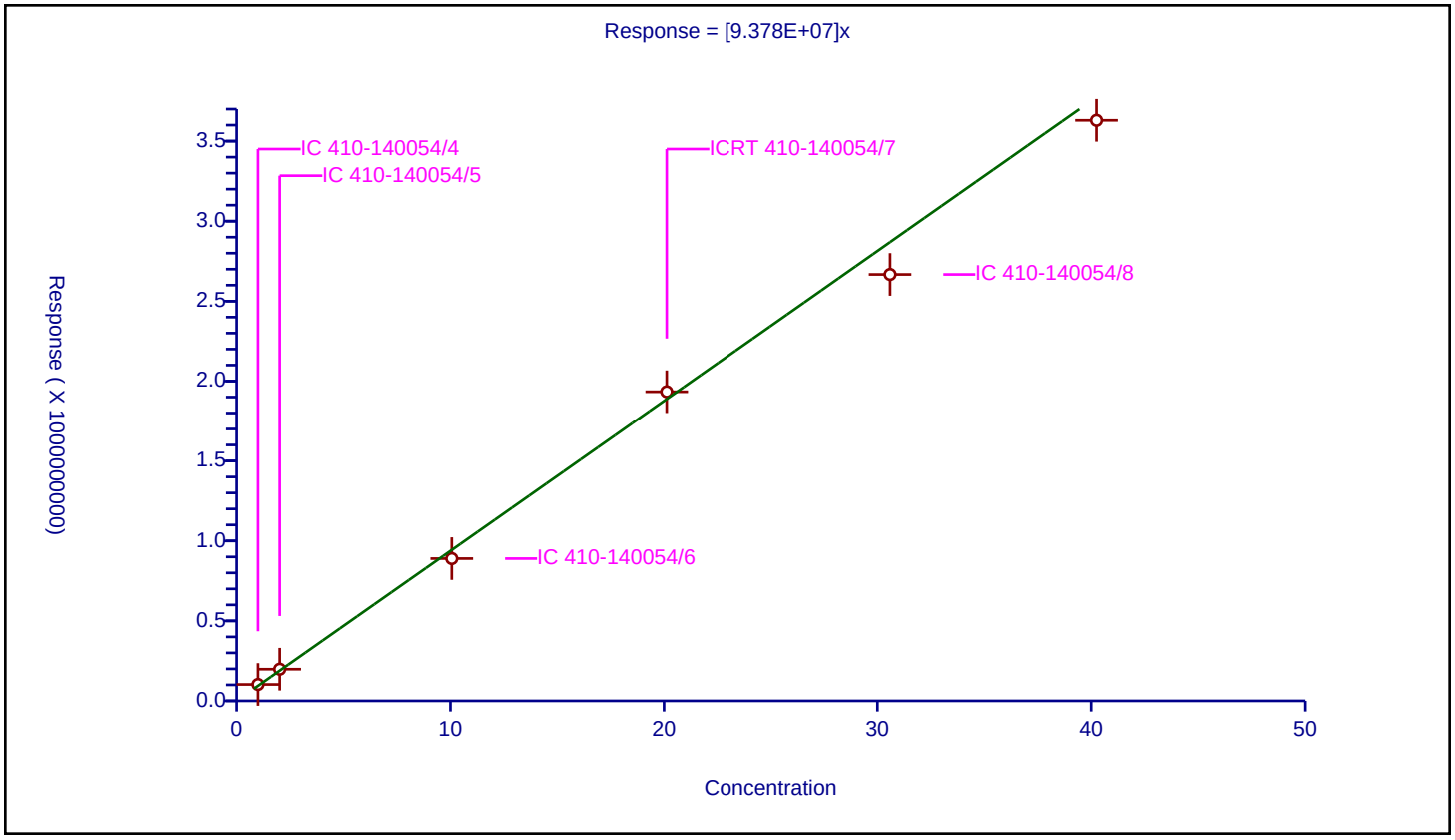
Curve Coefficients

Intercept:	0
Slope:	9.378E+07

Error Coefficients

Standard Error:	116000000
Relative Standard Error:	6.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.9982	102373978.0			102558583.45021	Y
2	IC 410-140054/5	2.0125	197863768.0			98317400.248447	Y
3	IC 410-140054/6	10.0625	889546307.0			88402117.465839	Y
4	ICRT 410-140054/7	20.125	1933330989.0			96066136.099379	Y
5	IC 410-140054/8	30.59	2666793080.0			87178590.389016	Y
6	IC 410-140054/9	40.25	3629974982.0			90185713.838509	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

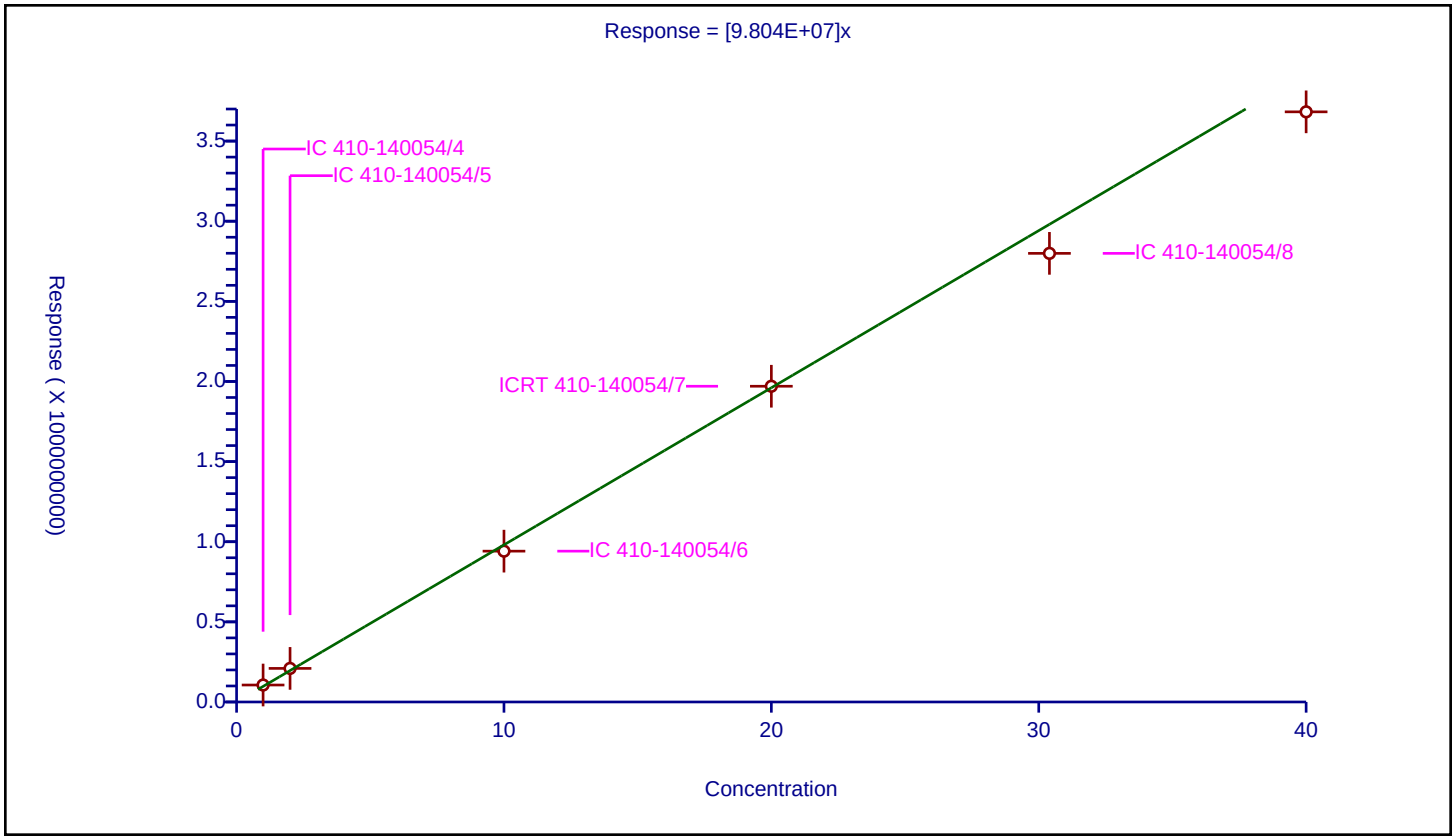
Curve Coefficients

Intercept:	0
Slope:	9.804E+07

Error Coefficients

Standard Error:	136000000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	105842850.0			106696421.370968	Y
2	IC 410-140054/5	2.0	209514481.0			104757240.5	Y
3	IC 410-140054/6	10.0	941224144.0			94122414.4	Y
4	ICRT 410-140054/7	20.0	1970145545.0			98507277.25	Y
5	IC 410-140054/8	30.4	2799261992.0			92080986.578947	Y
6	IC 410-140054/9	40.0	3682303366.0			92057584.15	Y



Calibration / Endrin aldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

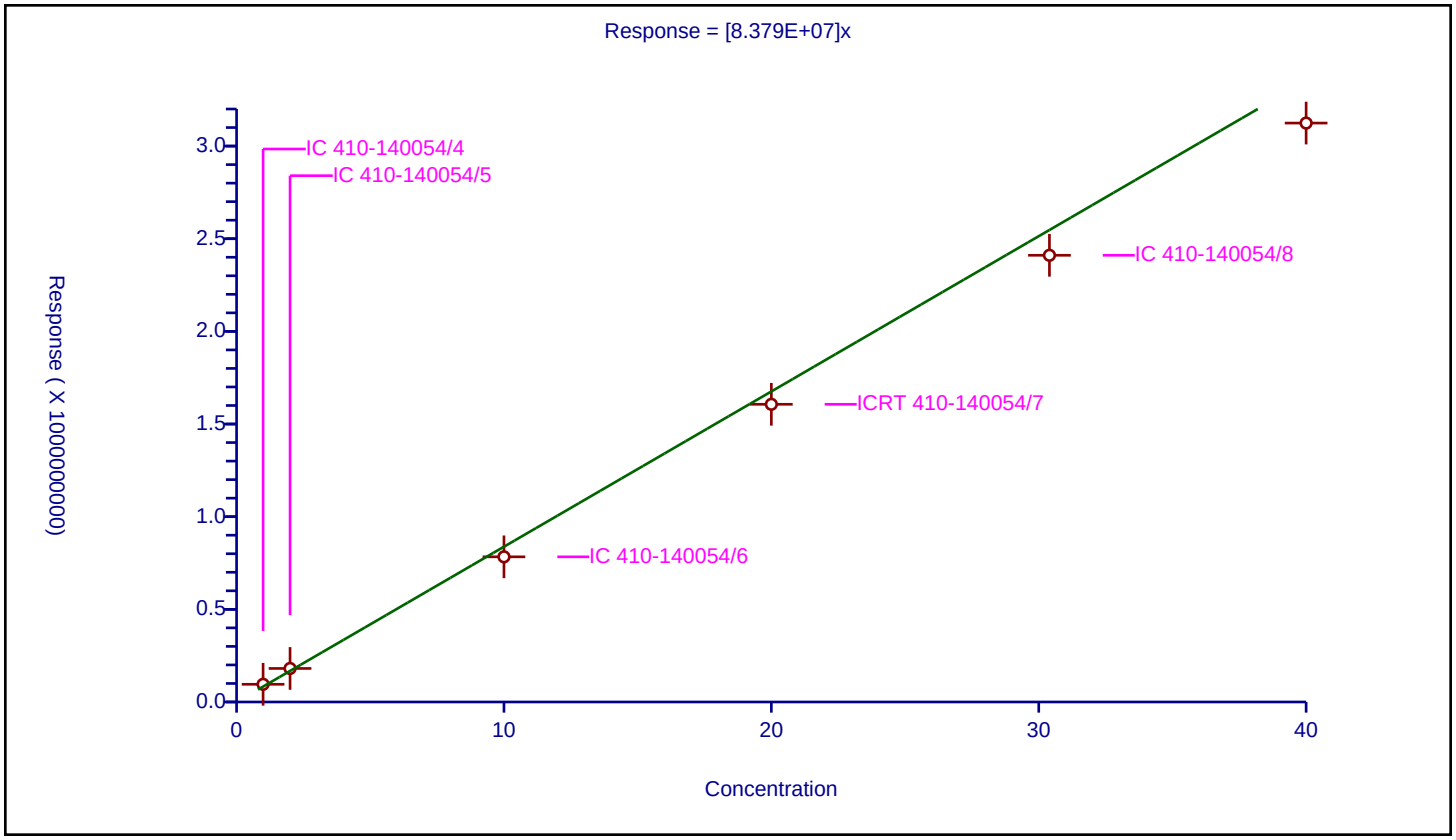
Curve Coefficients

Intercept:	0
Slope:	8.379E+07

Error Coefficients

Standard Error:	125000000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	95432358.0			96201973.790323	Y
2	IC 410-140054/5	2.0	180915566.0			90457783.0	Y
3	IC 410-140054/6	10.0	783406726.0			78340672.6	Y
4	ICRT 410-140054/7	20.0	1606522567.0			80326128.35	Y
5	IC 410-140054/8	30.4	2410628487.0			79296989.703947	Y
6	IC 410-140054/9	40.0	3124203606.0			78105090.15	Y



Calibration / 4,4'-DDT

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

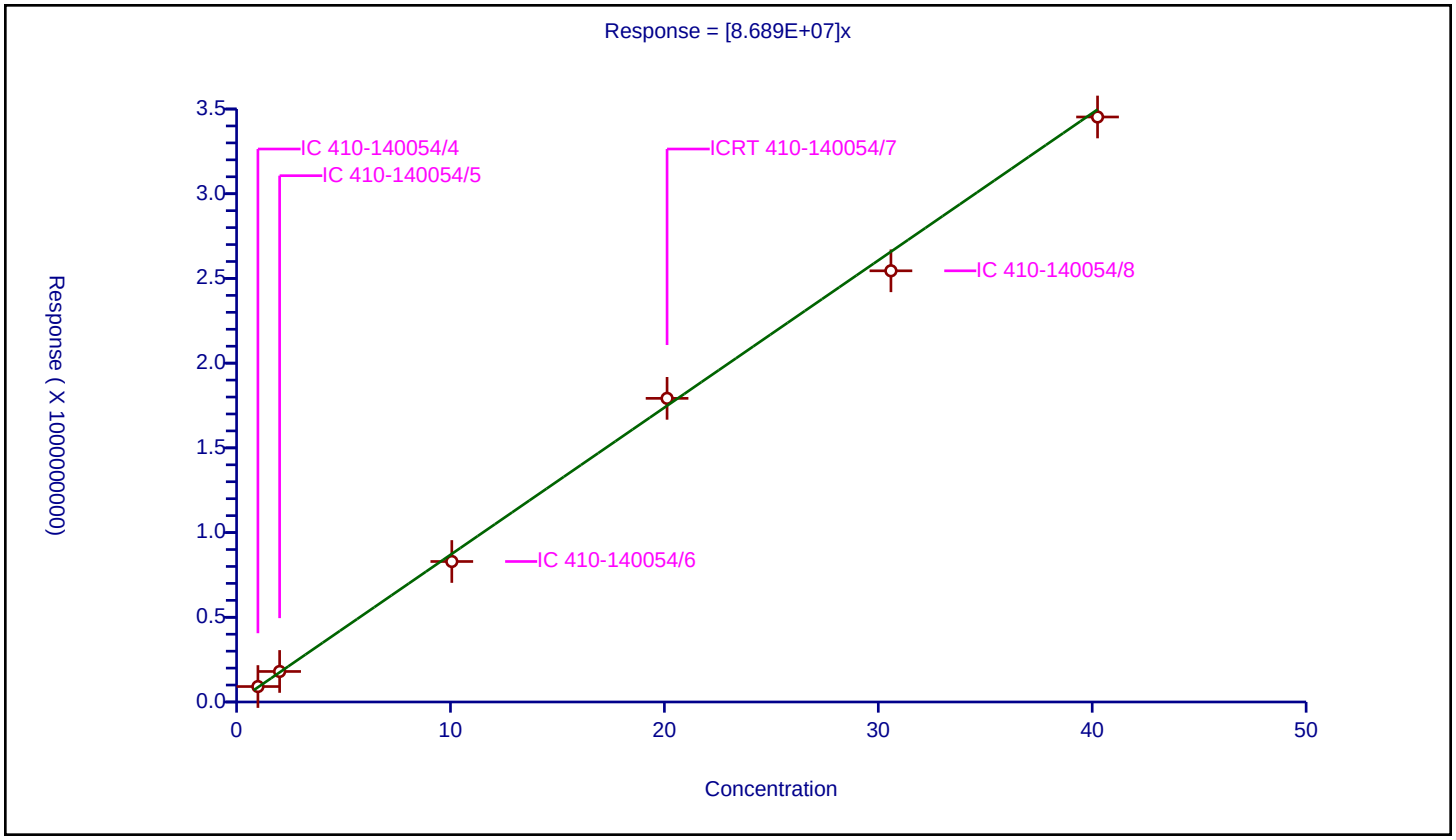
Curve Coefficients

Intercept:	0
Slope:	8.689E+07

Error Coefficients

Standard Error:	61100000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.9982	91198260.0			91362712.88319	Y
2	IC 410-140054/5	2.0125	180131878.0			89506523.229814	Y
3	IC 410-140054/6	10.0625	829279034.0			82412823.254658	Y
4	ICRT 410-140054/7	20.125	1792144066.0			89050636.819876	Y
5	IC 410-140054/8	30.59	2545070401.0			83199424.681268	Y
6	IC 410-140054/9	40.25	3452887315.0			85786020.248447	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

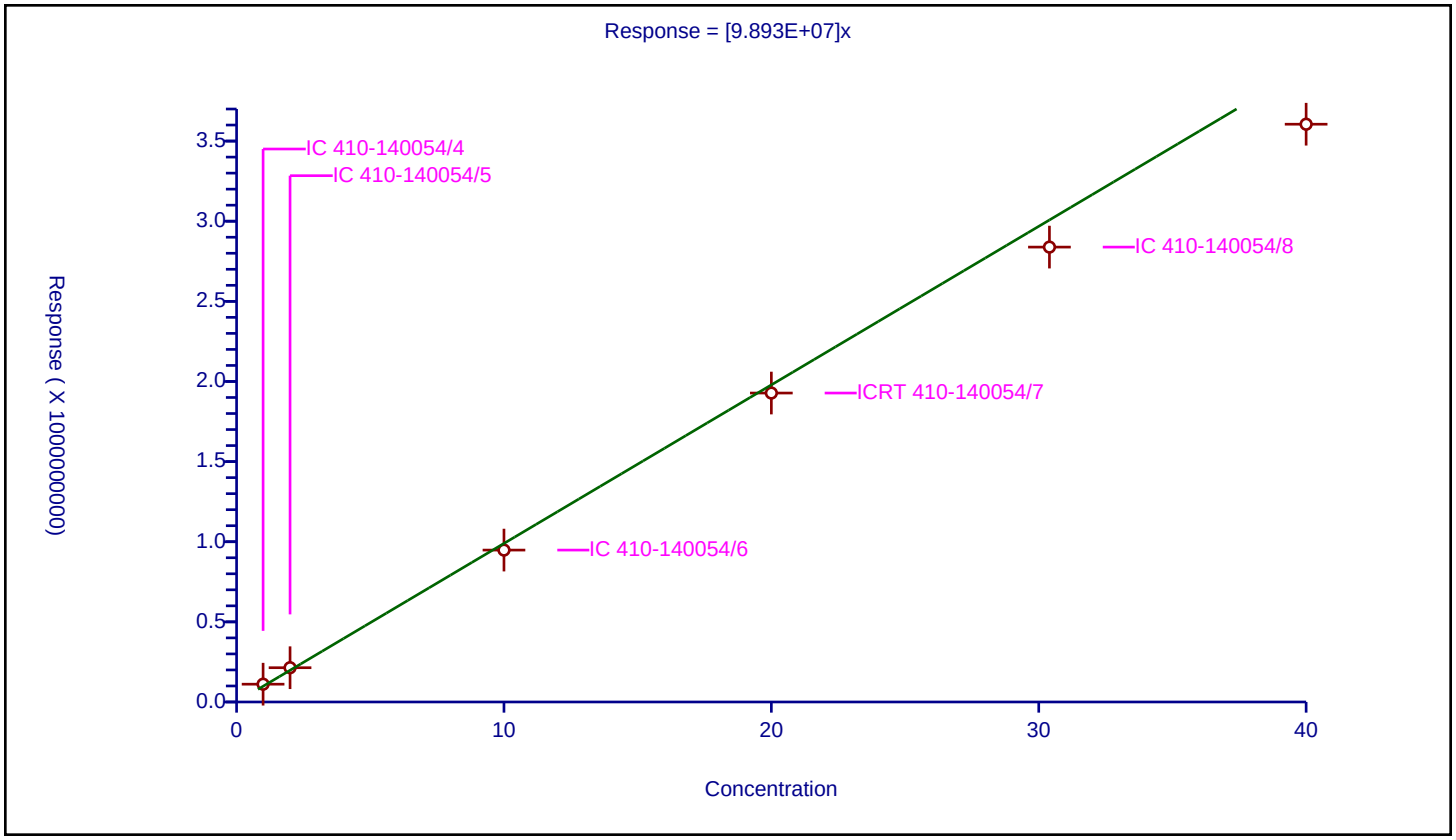
Curve Coefficients

Intercept:	0
Slope:	9.893E+07

Error Coefficients

Standard Error:	177000000
Relative Standard Error:	8.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	111074786.0			111970550.403226	Y
2	IC 410-140054/5	2.0	213868998.0			106934499.0	Y
3	IC 410-140054/6	10.0	947925857.0			94792585.7	Y
4	ICRT 410-140054/7	20.0	1927729934.0			96386496.7	Y
5	IC 410-140054/8	30.4	2838422602.0			93369164.539474	Y
6	IC 410-140054/9	40.0	3605232620.0			90130815.5	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

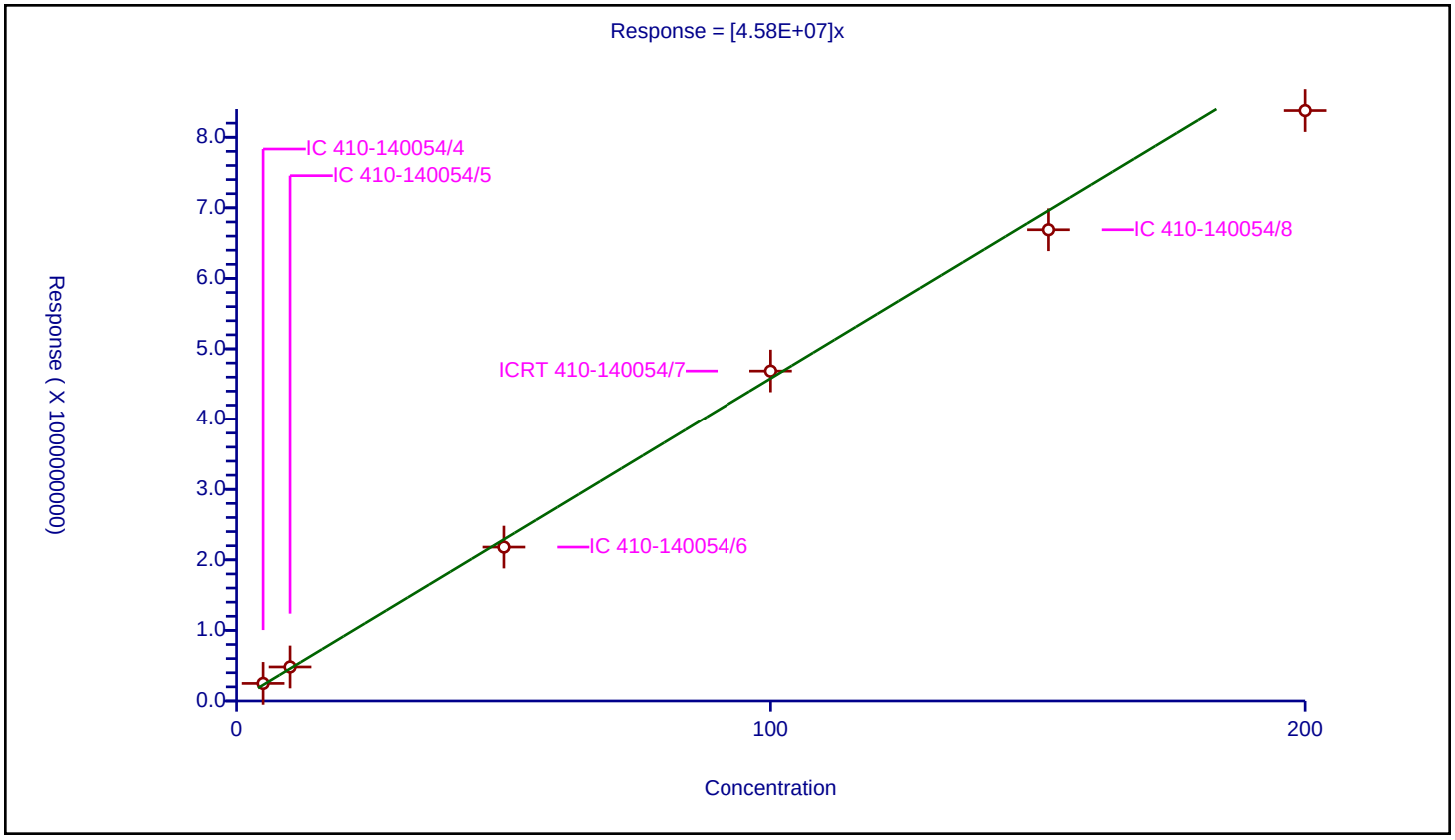
Curve Coefficients

Intercept:	0
Slope:	4.58E+07

Error Coefficients

Standard Error:	376000000
Relative Standard Error:	6.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	4.96	249081676.0			50218079.83871	Y
2	IC 410-140054/5	10.0	481934908.0			48193490.8	Y
3	IC 410-140054/6	50.0	2181004852.0			43620097.04	Y
4	ICRT 410-140054/7	100.0	4686076183.0			46860761.83	Y
5	IC 410-140054/8	152.0	6689351468.0			44008891.236842	Y
6	IC 410-140054/9	200.0	8378414978.0			41892074.89	Y



Calibration / Endrin ketone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

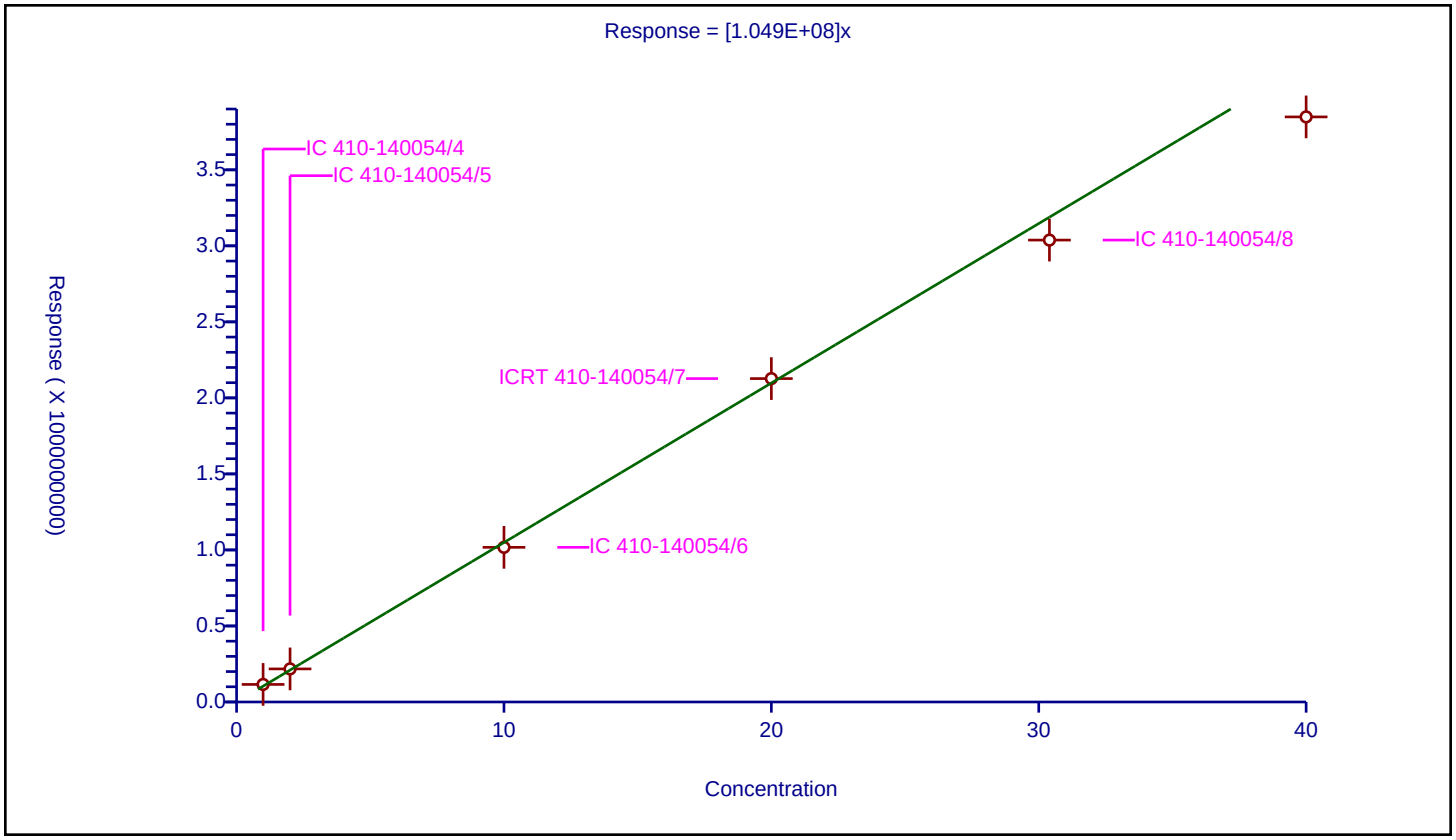
Curve Coefficients

Intercept:	0
Slope:	1.049E+08

Error Coefficients

Standard Error:	171000000
Relative Standard Error:	6.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	0.992	115416390.0			116347167.33871	Y
2	IC 410-140054/5	2.0	217603884.0			108801942.0	Y
3	IC 410-140054/6	10.0	1017179140.0			101717914.0	Y
4	ICRT 410-140054/7	20.0	2127002133.0			106350106.65	Y
5	IC 410-140054/8	30.4	3038003253.0			99934317.532895	Y
6	IC 410-140054/9	40.0	3848001442.0			96200036.05	Y



Calibration / DCB Decachlorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

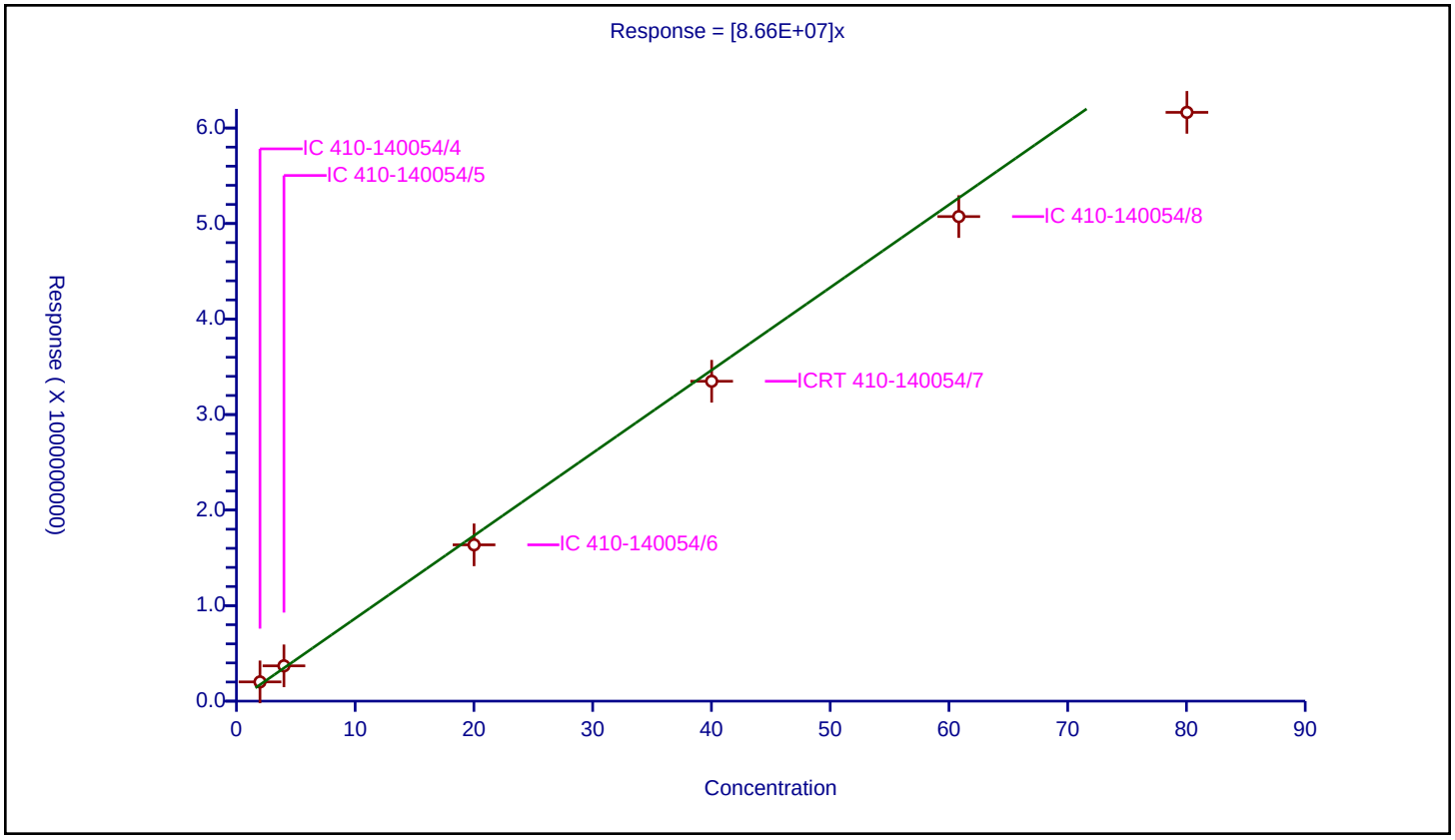
Curve Coefficients

Intercept:	0
Slope:	8.66E+07

Error Coefficients

Standard Error:	361000000
Relative Standard Error:	10.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140054/4	1.984992	201315356.0			101418724.105689	Y
2	IC 410-140054/5	4.002	369491847.0			92326798.350825	Y
3	IC 410-140054/6	20.01	1636137974.0			81766015.692154	Y
4	ICRT 410-140054/7	40.02	3348893992.0			83680509.545227	Y
5	IC 410-140054/8	60.8304	5072685380.0			83390630.01394	Y
6	IC 410-140054/9	80.04	6163804348.0			77009049.825087	Y



FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140420

SDG No.:

Instrument ID: 9191 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/22/2021 07:20 Calibration End Date: 06/22/2021 08:22 Calibration ID: 27741

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-140420/7	10PEST21141035.007.D
Level 2	IC 410-140420/8	10PEST21141035.008.D
Level 3	IC 410-140420/9	10PEST21141035.009.D
Level 4	ICRT 410-140420/10	10PEST21141035.010.D
Level 5	IC 410-140420/11	10PEST21141035.011.D
Level 6	IC 410-140420/12	10PEST21141035.012.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	4.532	4.530	4.528	4.530	4.527	4.530					4.500 - 4.560	4.530
Toxaphene Peak 2	4.637	4.635	4.632	4.633	4.632	4.637					4.603 - 4.663	4.634
Toxaphene Peak 3	4.852	4.848	4.847	4.848	4.847	4.850					4.818 - 4.878	4.849
Toxaphene Peak 4	5.138	5.135	5.133	5.135	5.133	5.137					5.105 - 5.165	5.135
Toxaphene Peak 5	5.232	5.230	5.227	5.228	5.227	5.232					5.198 - 5.258	5.229

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140420

SDG No.:

Instrument ID: 9191 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/22/2021 07:20 Calibration End Date: 06/22/2021 08:22 Calibration ID: 27741

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-140420/7	10PEST21141035.007.D
Level 2	IC 410-140420/8	10PEST21141035.008.D
Level 3	IC 410-140420/9	10PEST21141035.009.D
Level 4	ICRT 410-140420/10	10PEST21141035.010.D
Level 5	IC 410-140420/11	10PEST21141035.011.D
Level 6	IC 410-140420/12	10PEST21141035.012.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	2875765 2529279	2477905 2581655	2520273	2606167	Ave		2598507.35				5.5		20.0			
Toxaphene Peak 2	3044472 3043807	2994101 3144274	3044118	3095999	Ave		3061128.28				1.7		20.0			
Toxaphene Peak 3	2323291 2485974	2372203 2662104	2446235	2550548	Ave		2473392.52				5.0		20.0			
Toxaphene Peak 4	2438455 2719334	2532219 2861731	2591657	2695129	Ave		2639754.04				5.7		20.0			
Toxaphene Peak 5	2795368 2936146	2996853 3082537	2988477	3069214	Ave		2978099.20				3.5		20.0			

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

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140420

SDG No.:

Instrument ID: 9191 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/22/2021 07:20 Calibration End Date: 06/22/2021 08:22 Calibration ID: 27741

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-140420/7	10PEST21141035.007.D
Level 2	IC 410-140420/8	10PEST21141035.008.D
Level 3	IC 410-140420/9	10PEST21141035.009.D
Level 4	ICRT 410-140420/10	10PEST21141035.010.D
Level 5	IC 410-140420/11	10PEST21141035.011.D
Level 6	IC 410-140420/12	10PEST21141035.012.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Ave	143975167 5170022625	248112579	504709928	1304777510	2532567357	50.1 2003	100	200	501	1001
Toxaphene Peak 2	Ave	152421485 6296722169	299799293	609615020	1550011730	3047764184	50.1 2003	100	200	501	1001
Toxaphene Peak 3	Ave	116315579 5331130257	237528725	489882933	1276931659	2489205652	50.1 2003	100	200	501	1001
Toxaphene Peak 4	Ave	122081255 5730901657	253551134	519005151	1349316147	2722869026	50.1 2003	100	200	501	1001
Toxaphene Peak 5	Ave	139950116 6173088970	300074905	598472378	1536601955	2939962706	50.1 2003	100	200	501	1001

Curve Type Legend
Ave = Average by Height

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.007.D
Lims ID: ic tox1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Jun-2021 07:20:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic tox1
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:20:47 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.532	4.530	0.002	143975167H	50.1	55.4	
1	4.637	4.633	0.004	152421485H	50.1	49.8	
1	4.852	4.848	0.004	116315579H	50.1	47.0	
1	5.138	5.135	0.003	122081255H	50.1	46.2	
1	5.232	5.228	0.004	139950116H	50.1	47.0	
		Average of Peak Amounts =				49.1	
2	4.843	4.845	-0.002	77611624H	50.1	50.9	
2	5.133	5.135	-0.002	121011766H	50.1	55.6	
2	5.315	5.315	0.000	107376711H	50.1	52.9	
2	5.605	5.603	0.002	72045196H	50.1	53.4	
2	5.690	5.690	0.000	112049478H	50.1	55.2	
		Average of Peak Amounts =				53.6	
						RPD = 8.77	

Reagents:

GCS_TOX1_00005 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:20:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.007.D

Injection Date: 22-Jun-2021 07:20:00 Instrument ID: 9191

Lims ID: ic tox1

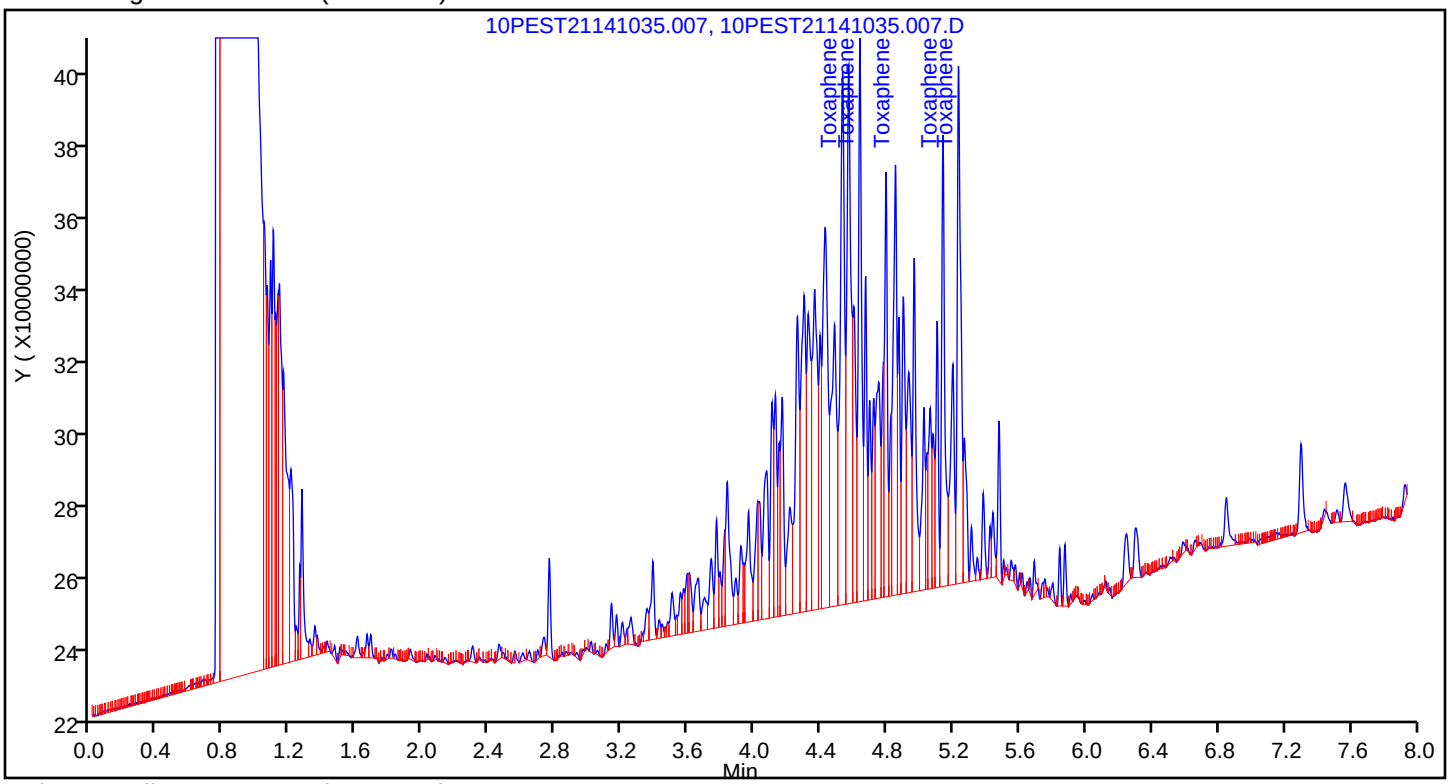
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

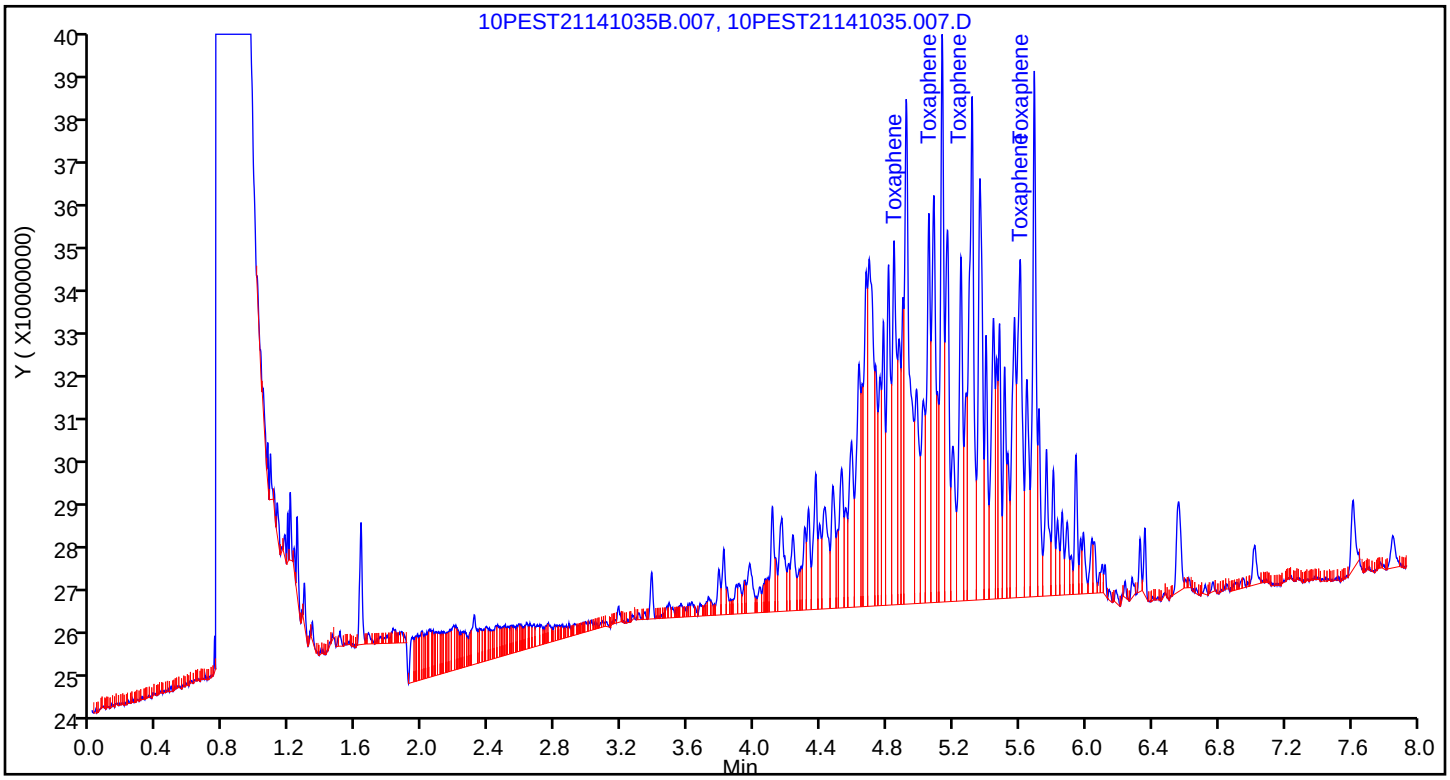
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.008.D
Lims ID: ic tox2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Jun-2021 07:33:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t2
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:20:51 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.530	4.530	0.000	248112579H	100.1	95.5	
1	4.635	4.633	0.002	299799293H	100.1	97.9	
1	4.848	4.848	0.000	237528725H	100.1	96.0	
1	5.135	5.135	0.000	253551134H	100.1	96.1	
1	5.230	5.228	0.002	300074905H	100.1	100.8	
		Average of Peak Amounts =				97.3	
2	4.850	4.845	0.005	119534503H	100.1	96.3	
2	5.140	5.135	0.005	229882630H	100.1	105.7	
2	5.320	5.315	0.005	216494963H	100.1	106.6	
2	5.610	5.603	0.007	144289558H	100.1	107.0	
2	5.697	5.690	0.007	218268879H	100.1	107.5	
		Average of Peak Amounts =				104.6	
						RPD = 7.30	

Reagents:

GCS_TOX2_00005 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:20:51 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.008.D

Injection Date: 22-Jun-2021 07:33:00 Instrument ID: 9191

Lims ID: ic tox2

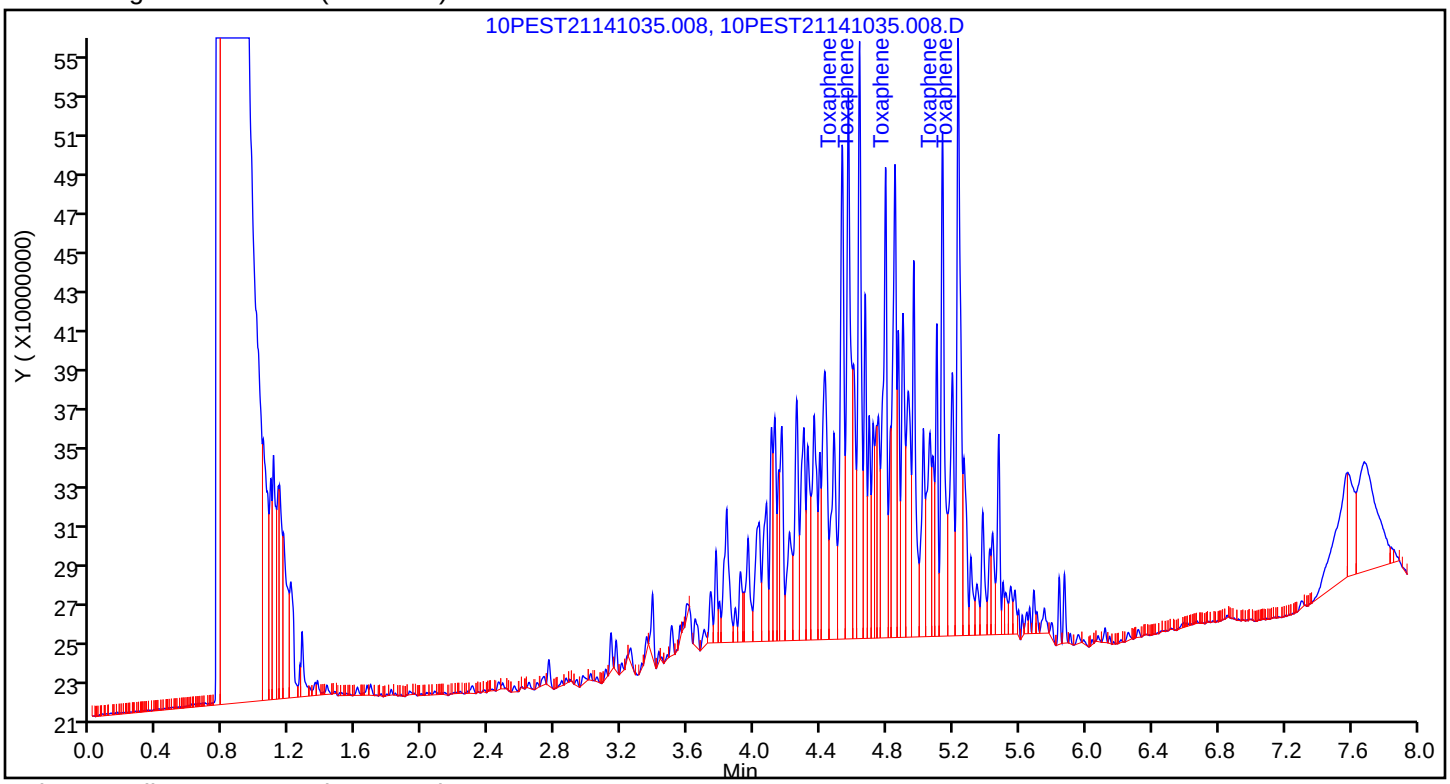
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 8

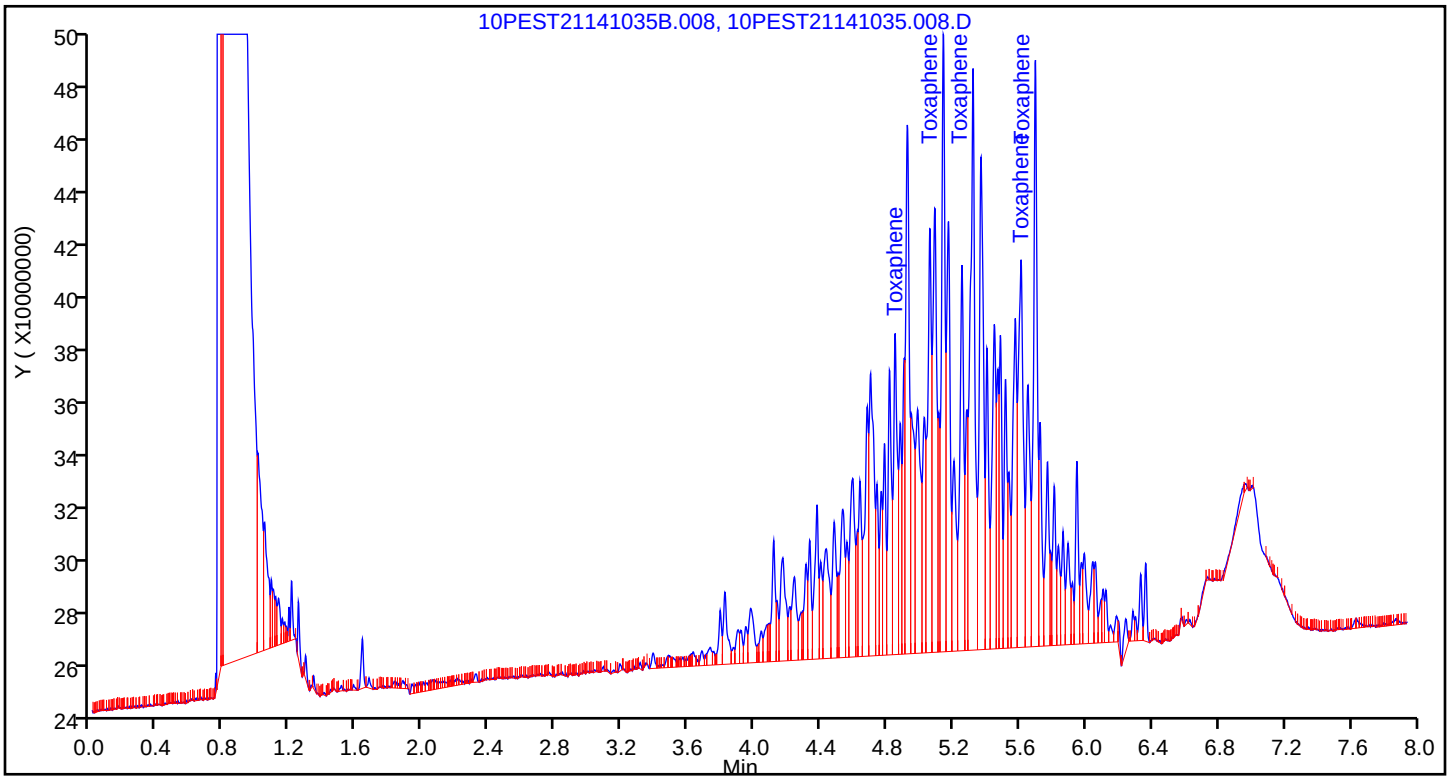
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.009.D
Lims ID: ic tox3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Jun-2021 07:45:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t3
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:20:54 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.528	4.530	-0.002	504709928H	200.3	194.2	
1	4.632	4.633	-0.001	609615020H	200.3	199.1	
1	4.847	4.848	-0.001	489882933H	200.3	198.1	
1	5.133	5.135	-0.002	519005151H	200.3	196.6	
1	5.227	5.228	-0.001	598472378H	200.3	201.0	
		Average of Peak Amounts =				197.8	
2	4.847	4.845	0.002	217548031H	200.3	202.5	
2	5.138	5.135	0.003	446020904H	200.3	205.0	
2	5.317	5.315	0.002	414369785H	200.3	204.1	
2	5.605	5.603	0.002	269110139H	200.3	199.6	
2	5.693	5.690	0.003	407355606H	200.3	200.7	
		Average of Peak Amounts =				202.4	
						RPD = 2.28	

Reagents:

GCS_TOX3_00005 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:20:55 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.009.D

Injection Date: 22-Jun-2021 07:45:00 Instrument ID: 9191

Lims ID: ic tox3

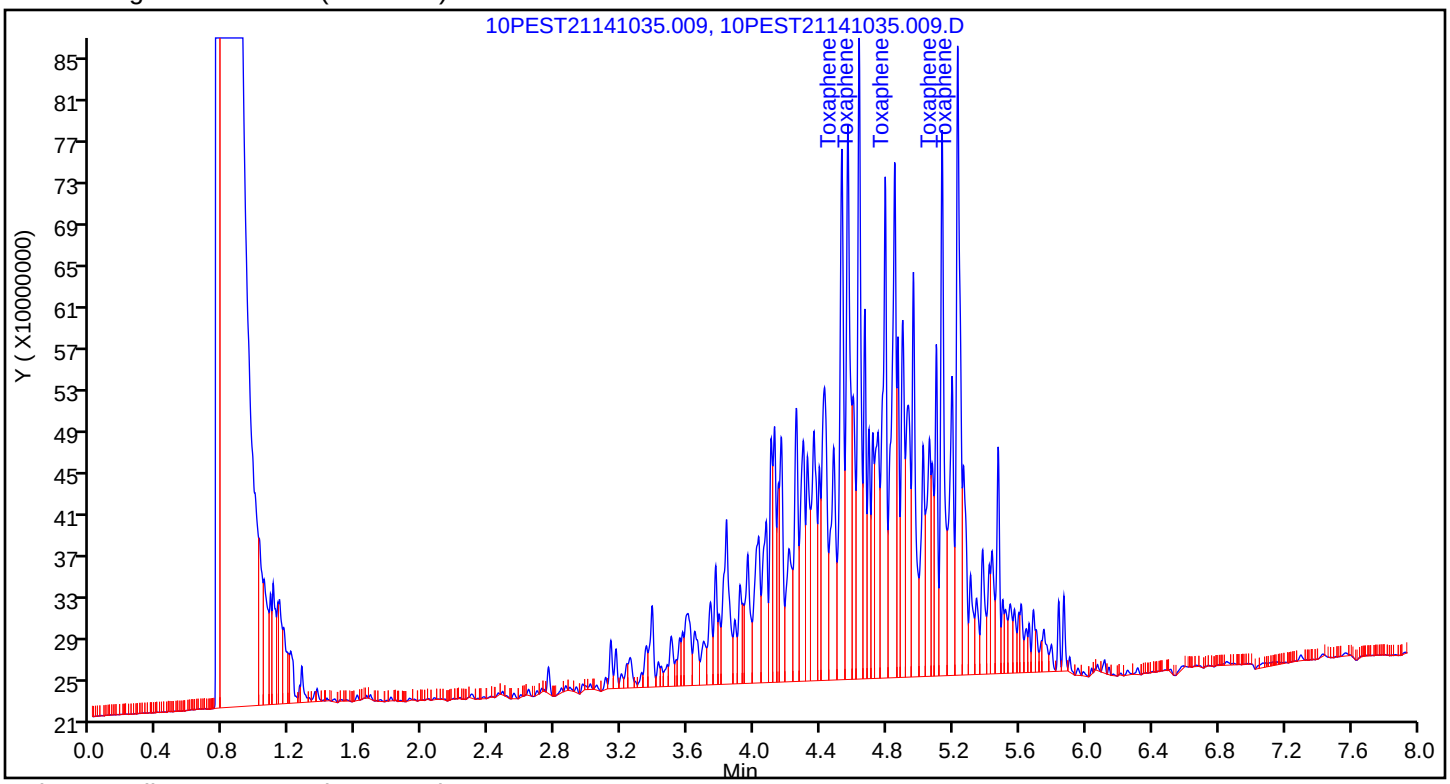
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 9

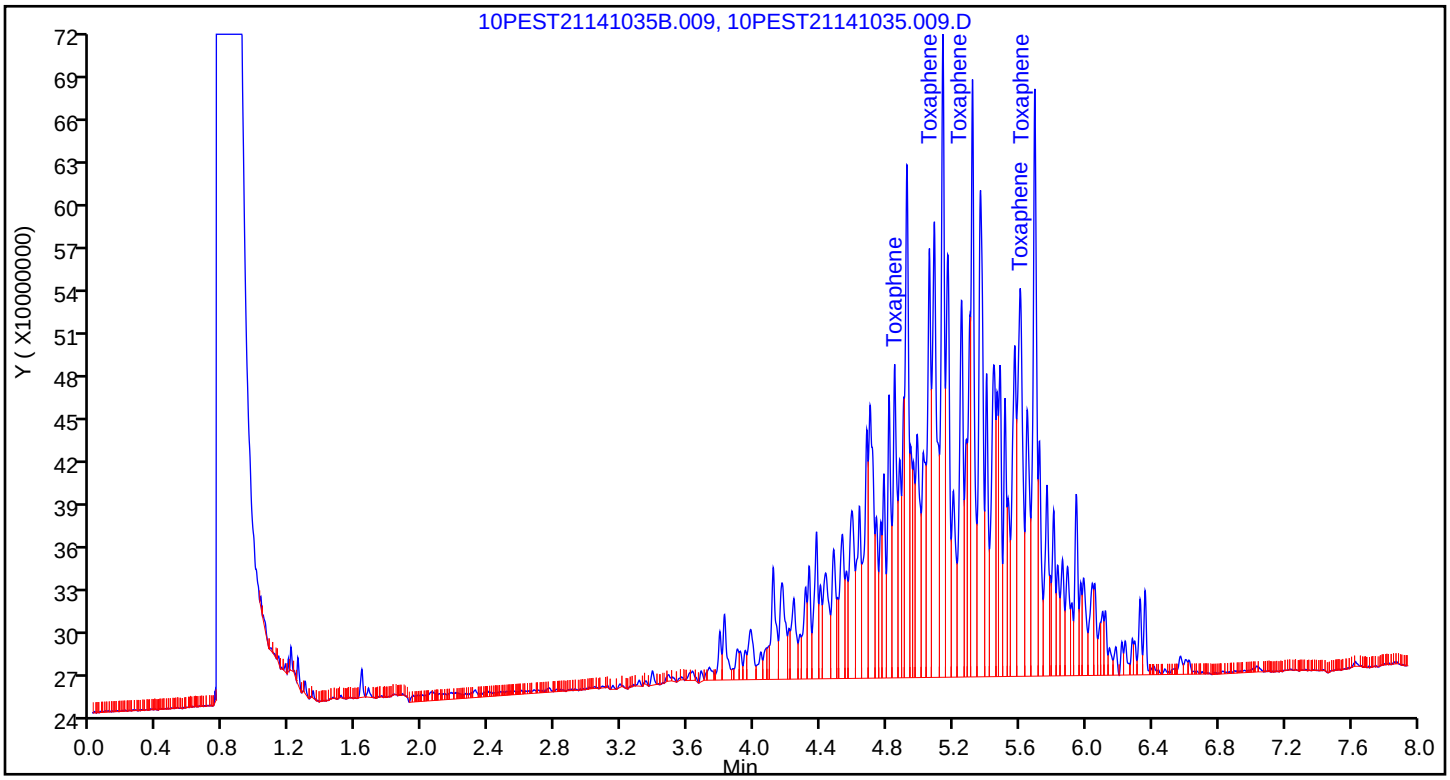
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.010.D
Lims ID: icrt tox4
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 22-Jun-2021 07:57:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt t4
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:20:59 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

First Level Reviewer: dalea Date: 22-Jun-2021 09:18:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.530	4.530	0.000	1304777510H	500.7	502.1	
1	4.633	4.633	0.000	1550011730H	500.7	506.4	
1	4.848	4.848	0.000	1276931659H	500.7	516.3	
1	5.135	5.135	0.000	1349316147H	500.7	511.2	
1	5.228	5.228	0.000	1536601955H	500.7	516.0	
		Average of Peak Amounts =				510.4	
2	4.845	4.845	0.000	512381097H	500.7	522.1	
2	5.135	5.135	0.000	1062352830H	500.7	488.3	
2	5.315	5.315	0.000	988934294H	500.7	487.0	
2	5.603	5.603	0.000	649203357H	500.7	481.5	
2	5.690	5.690	0.000	973241812H	500.7	479.4	
		Average of Peak Amounts =				491.7	
						RPD = 3.73	

Reagents:

GCS_TOX4_00006 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:20:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.010.D

Injection Date: 22-Jun-2021 07:57:00 Instrument ID: 9191

Lims ID: icrt tox4

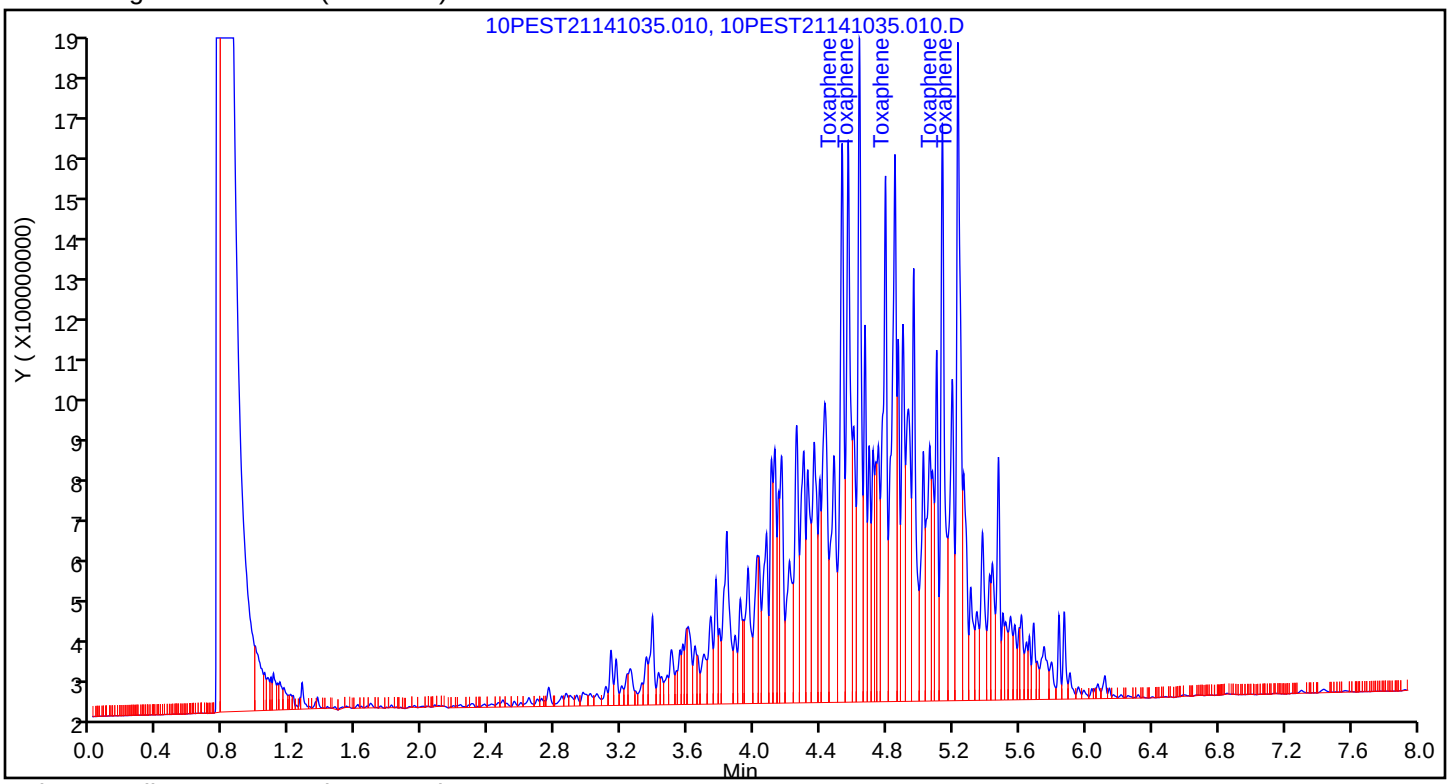
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 10

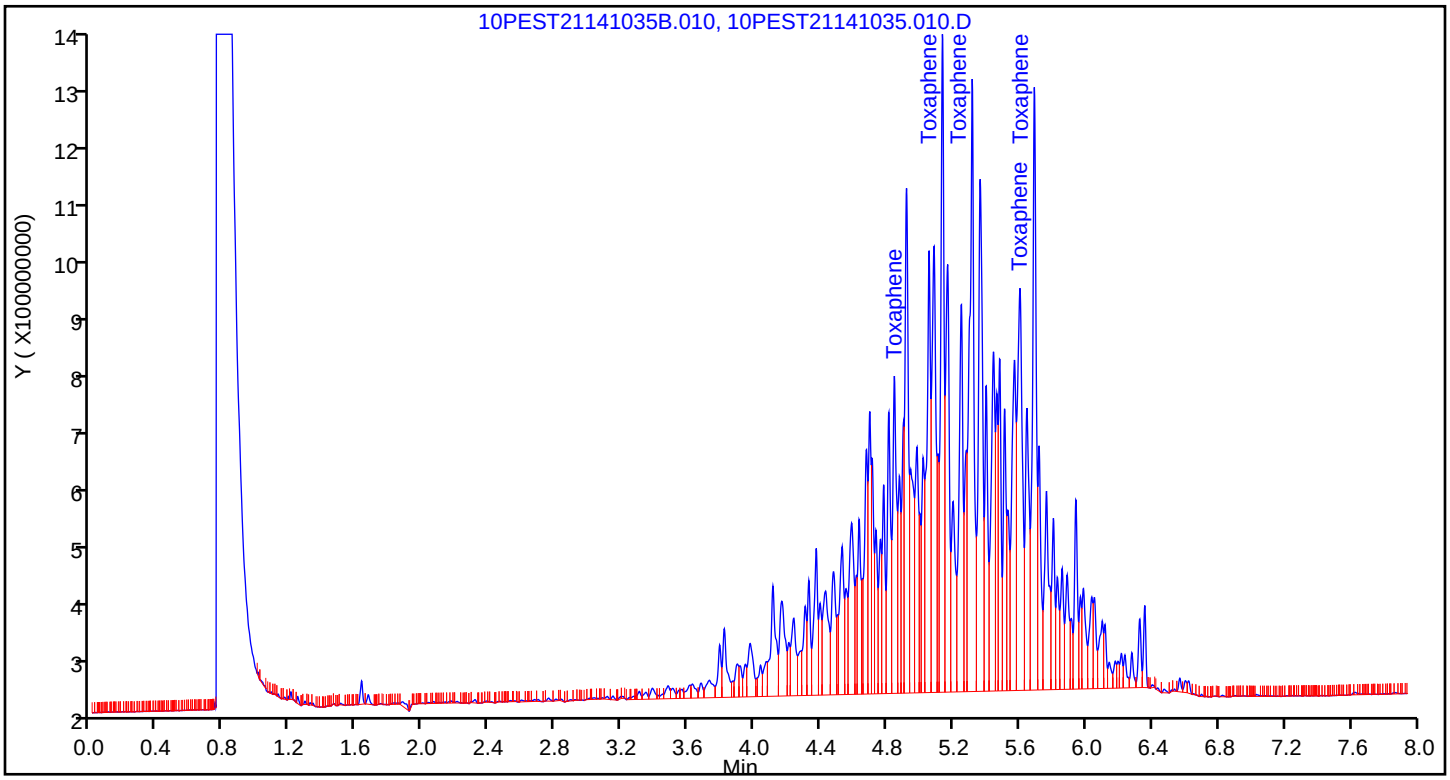
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.011.D
Lims ID: ic tox5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Jun-2021 08:09:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t5
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:21:05 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

First Level Reviewer: dalea Date: 22-Jun-2021 09:17:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							M
1	4.527	4.530	-0.003	2532567357H	1001.3	974.6	
1	4.632	4.633	-0.001	3047764184H	1001.3	995.6	
1	4.847	4.848	-0.001	2489205652H	1001.3	1006.4	
1	5.133	5.135	-0.002	2722869026H	1001.3	1031.5	
1	5.227	5.228	-0.001	2939962706H	1001.3	987.2	
		Average of Peak Amounts =				999.1	
2	4.847	4.845	0.002	926329708H	1001.3	970.8	M
2	5.138	5.135	0.003	1972592218H	1001.3	906.6	M
2	5.317	5.315	0.002	1872325229H	1001.3	922.1	M
2	5.607	5.603	0.004	1246661413H	1001.3	924.7	M
2	5.692	5.690	0.002	1870693350H	1001.3	921.5	M
		Average of Peak Amounts =				929.1	
						RPD = 7.25	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCS_TOX5_00005 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:21:05 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.011.D

Injection Date: 22-Jun-2021 08:09:00 Instrument ID: 9191

Lims ID: ic tox5

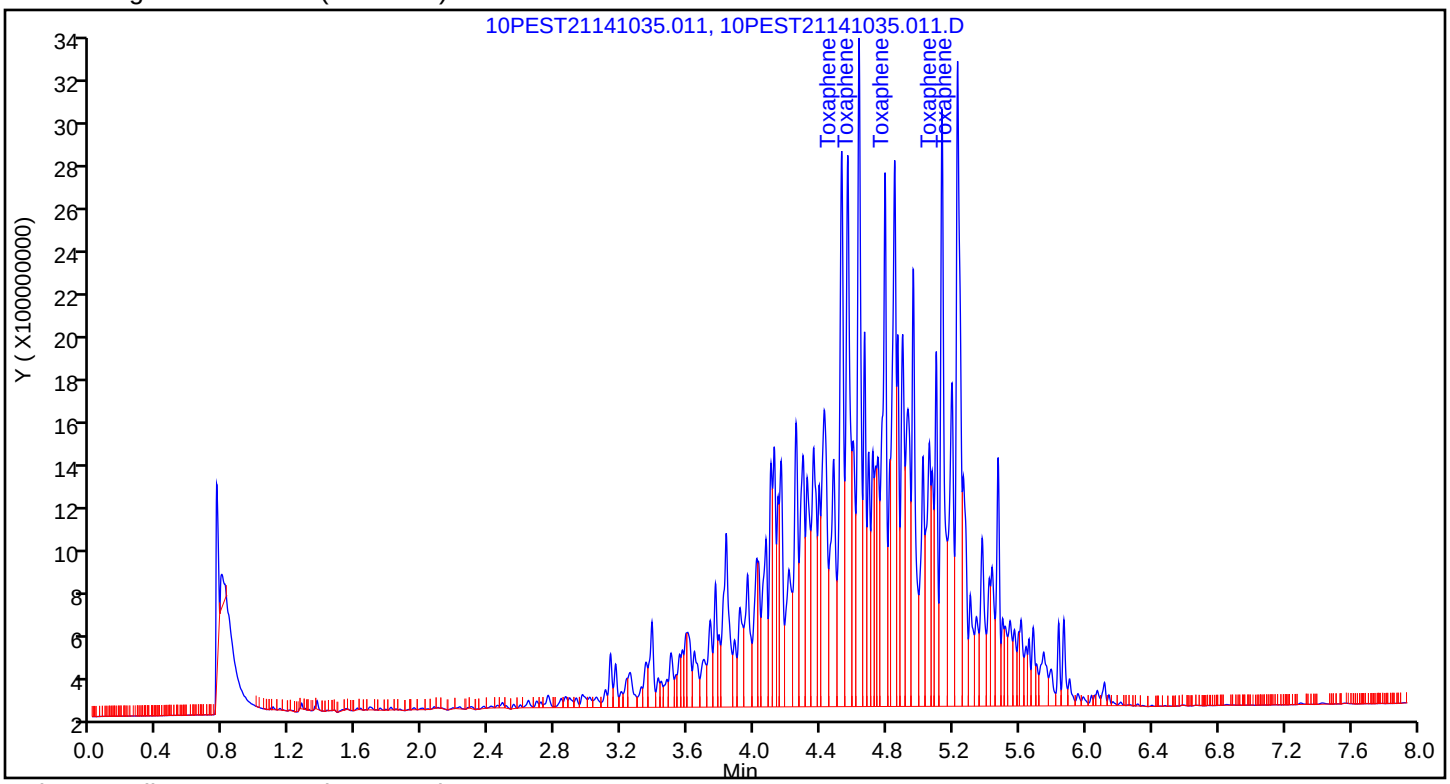
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 11

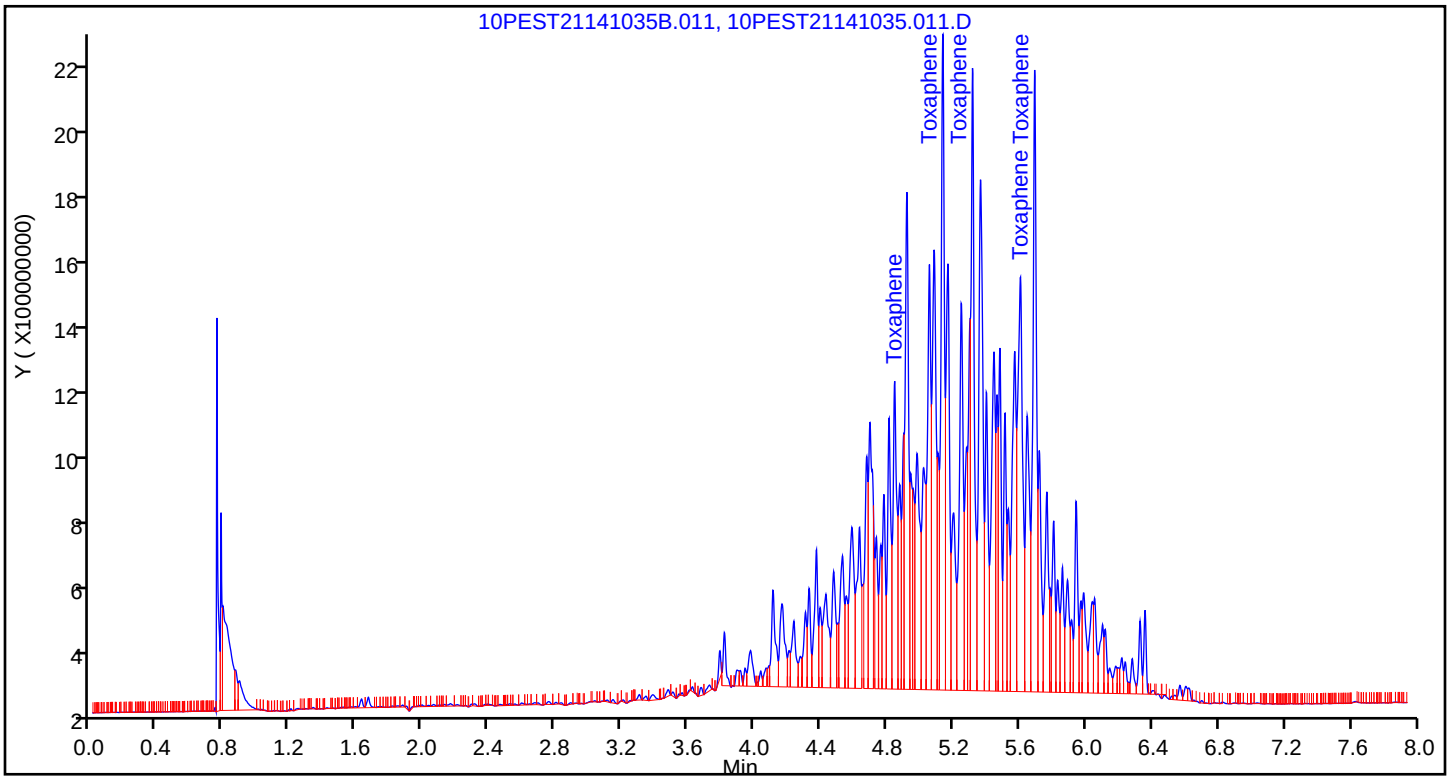
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D
Lims ID: ic tox6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Jun-2021 08:22:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t6
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:21:10 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.530	4.530	0.000	5170022625H	2002.6	1989.6	
1	4.637	4.633	0.004	6296722169H	2002.6	2057.0	
1	4.850	4.848	0.002	5331130257H	2002.6	2155.4	
1	5.137	5.135	0.002	5730901657H	2002.6	2171.0	
1	5.232	5.228	0.004	6173088970H	2002.6	2072.8	
		Average of Peak Amounts =				2089.2	
2	4.850	4.845	0.005	1887375507H	2002.6	2012.4	
2	5.142	5.135	0.007	4050684112H	2002.6	1861.7	
2	5.320	5.315	0.005	3929787721H	2002.6	1935.3	
2	5.608	5.603	0.005	2651046979H	2002.6	1966.3	
2	5.695	5.690	0.005	3835907962H	2002.6	1889.6	
		Average of Peak Amounts =				1933.1	
						RPD = 7.76	

Reagents:

GCS_TOX6_00005 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:21:11 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Injection Date: 22-Jun-2021 08:22:00 Instrument ID: 9191

Lims ID: ic tox6

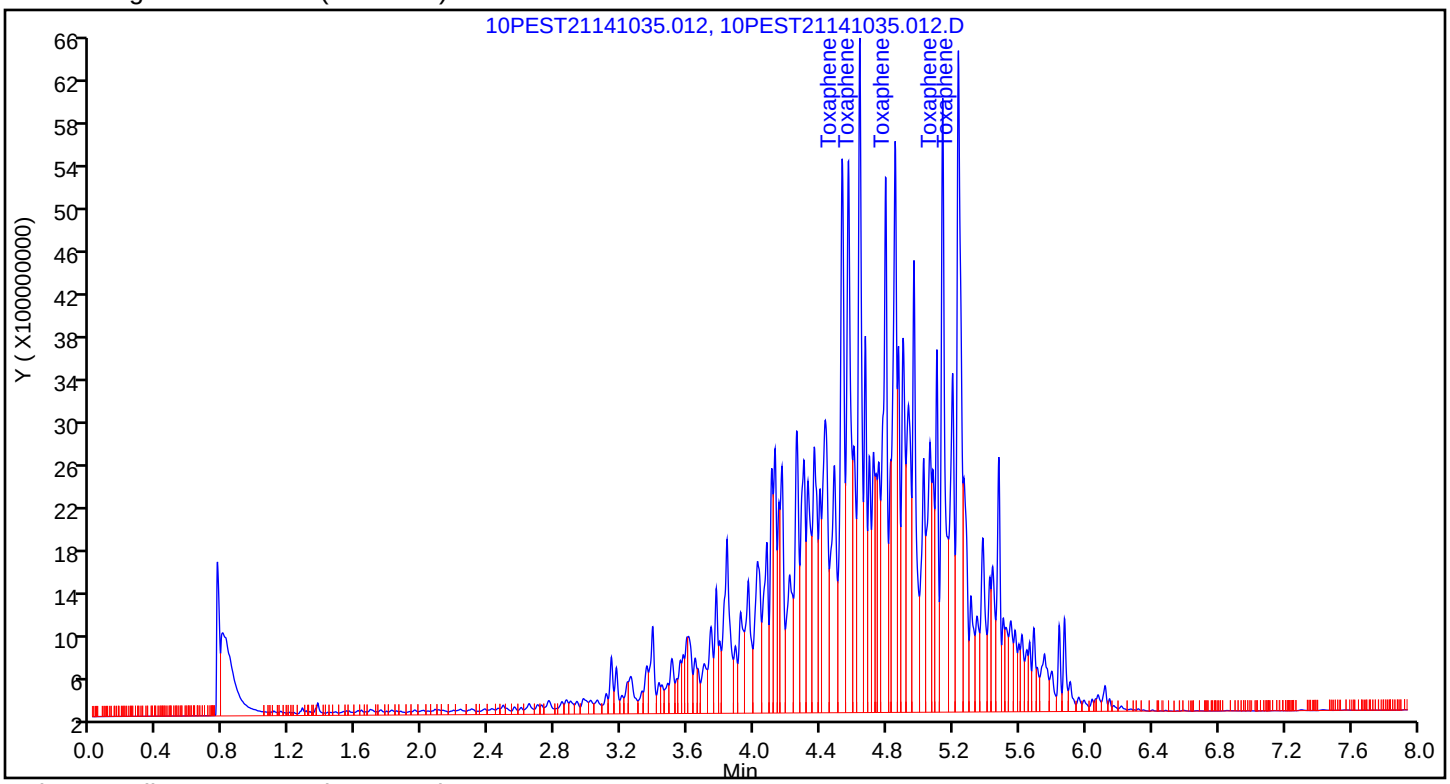
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 12

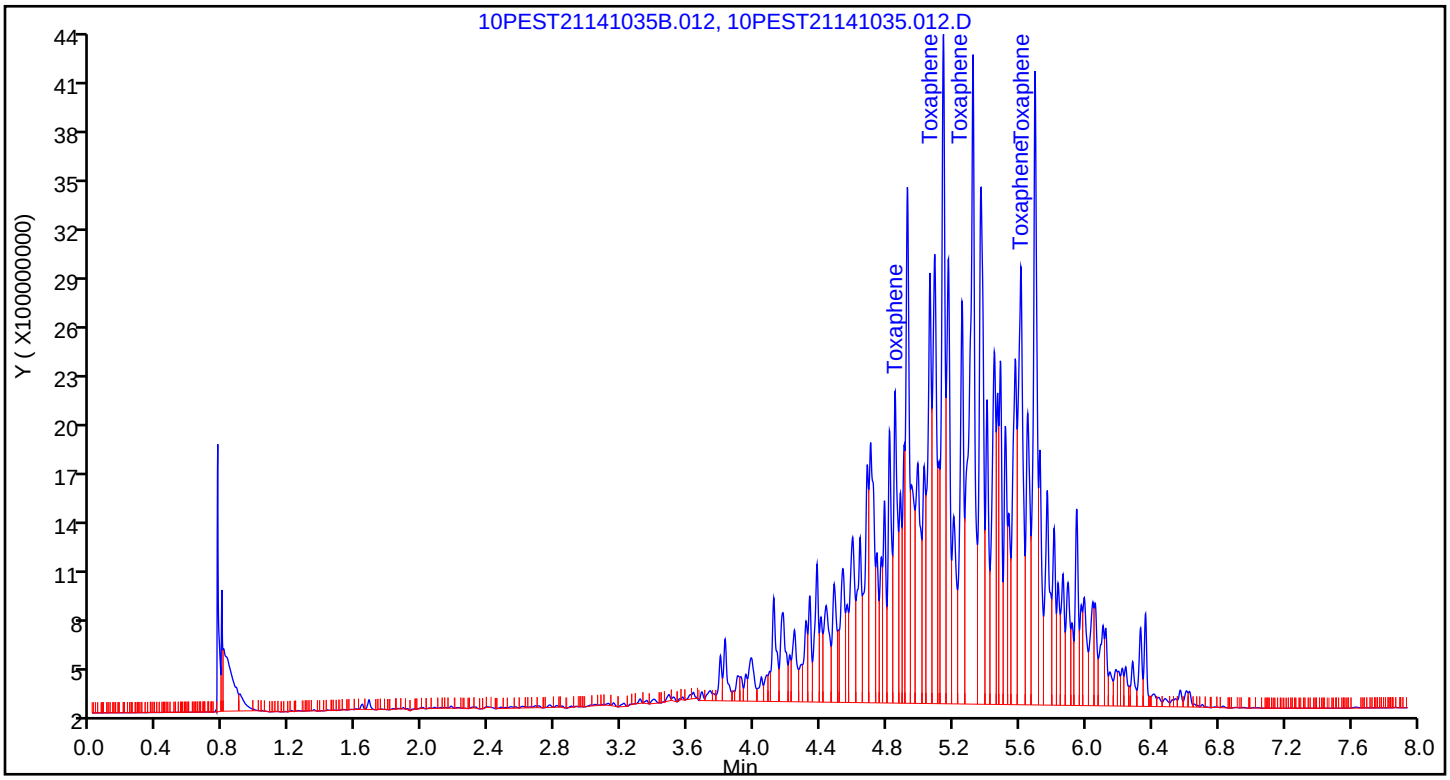
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Calibration / Toxaphene Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

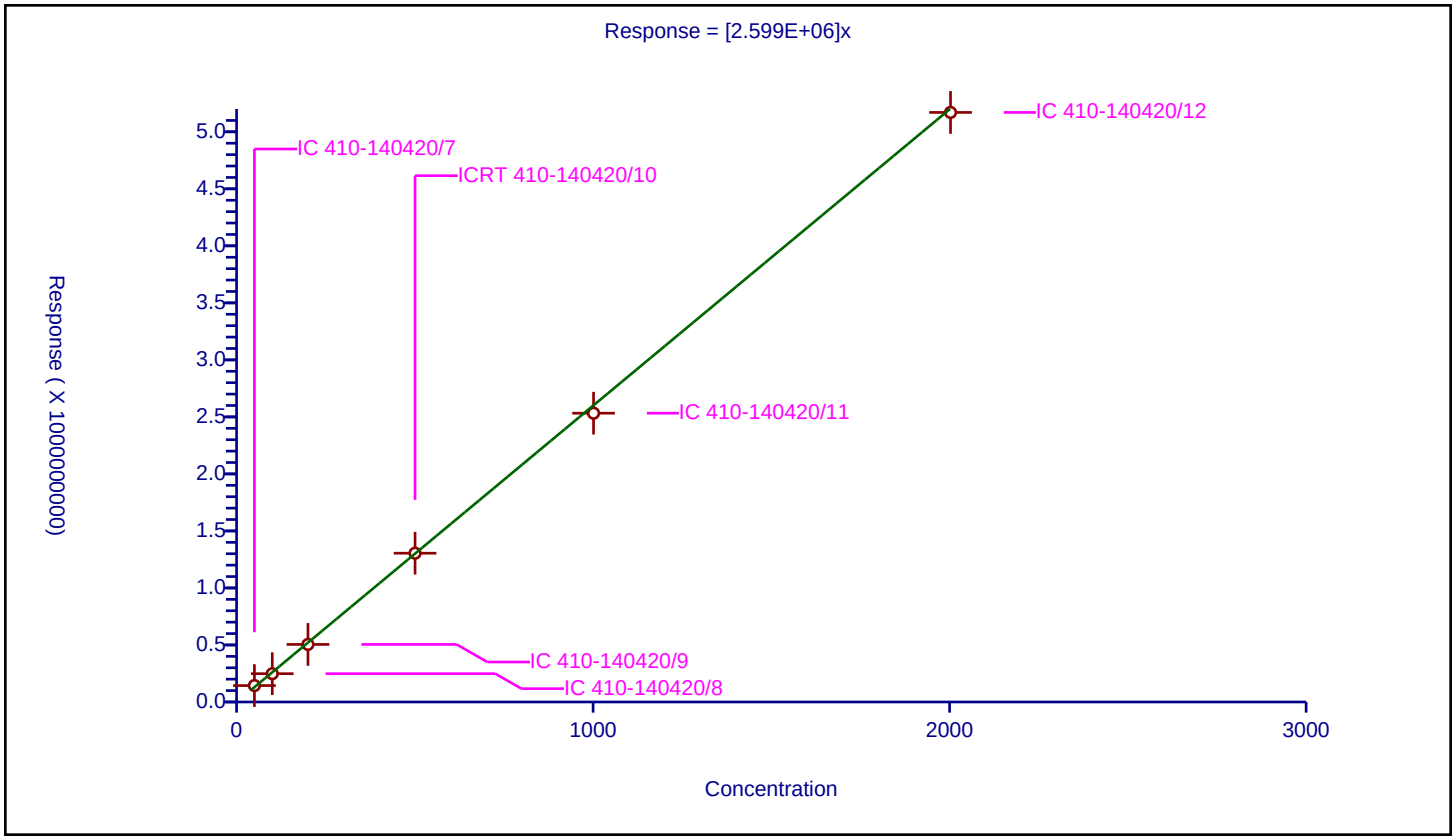
Curve Coefficients

Intercept:	0
Slope:	2.599E+06

Error Coefficients

Standard Error:	36200000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140420/7	50.065	143975167.0			2875764.845701	Y
2	IC 410-140420/8	100.13	248112579.0			2477904.514132	Y
3	IC 410-140420/9	200.26	504709928.0			2520273.28473	Y
4	ICRT 410-140420/10	500.65	1304777510.0			2606167.002896	Y
5	IC 410-140420/11	1001.3	2532567357.0			2529279.293918	Y
6	IC 410-140420/12	2002.6	5170022625.0			2581655.160791	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

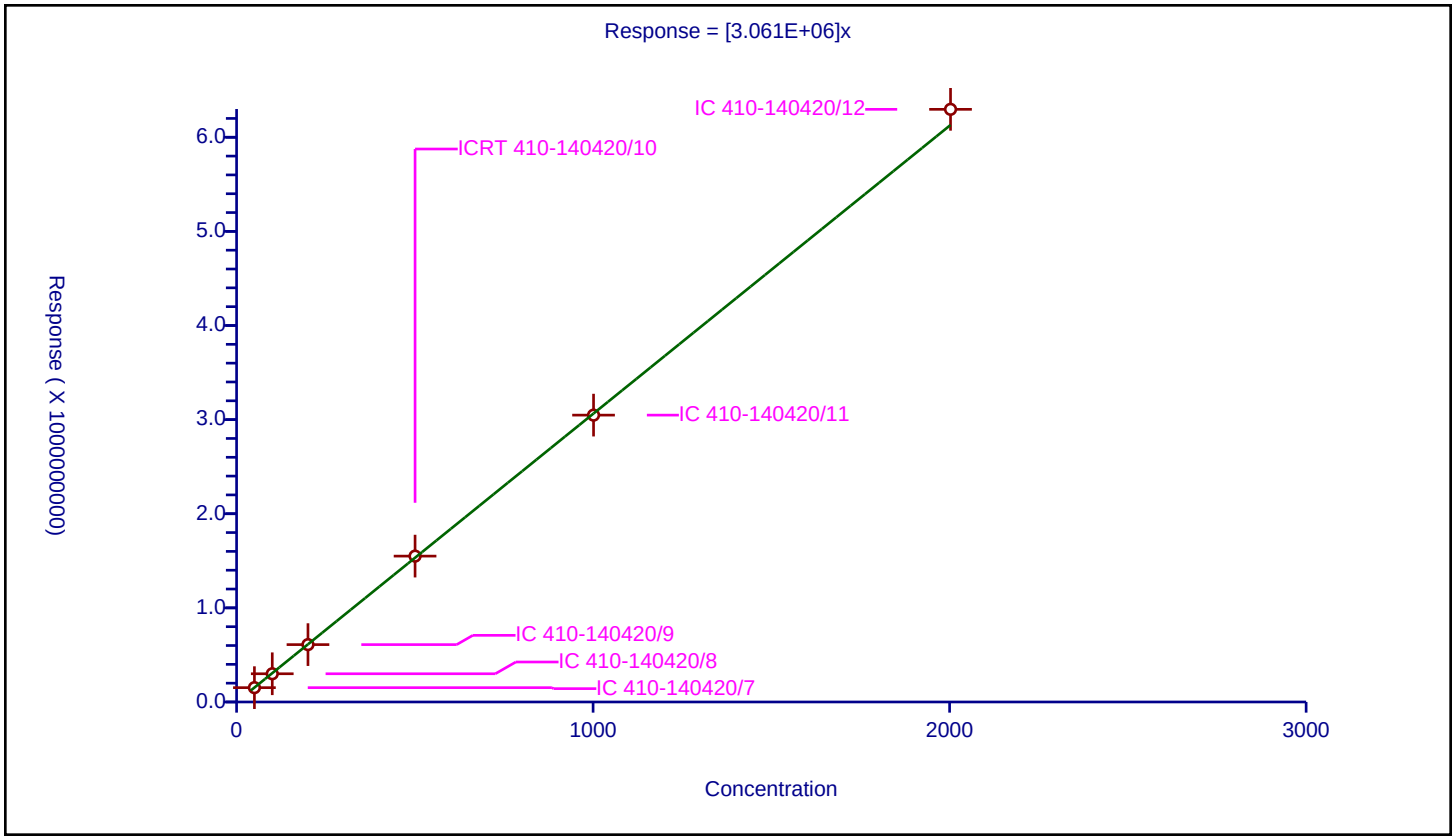
Curve Coefficients

Intercept:	0
Slope:	3.061E+06

Error Coefficients

Standard Error:	75300000
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140420/7	50.065	152421485.0			3044471.886547	Y
2	IC 410-140420/8	100.13	299799293.0			2994100.599221	Y
3	IC 410-140420/9	200.26	609615020.0			3044117.746929	Y
4	ICRT 410-140420/10	500.65	1550011730.0			3095998.66174	Y
5	IC 410-140420/11	1001.3	3047764184.0			3043807.234595	Y
6	IC 410-140420/12	2002.6	6296722169.0			3144273.528912	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

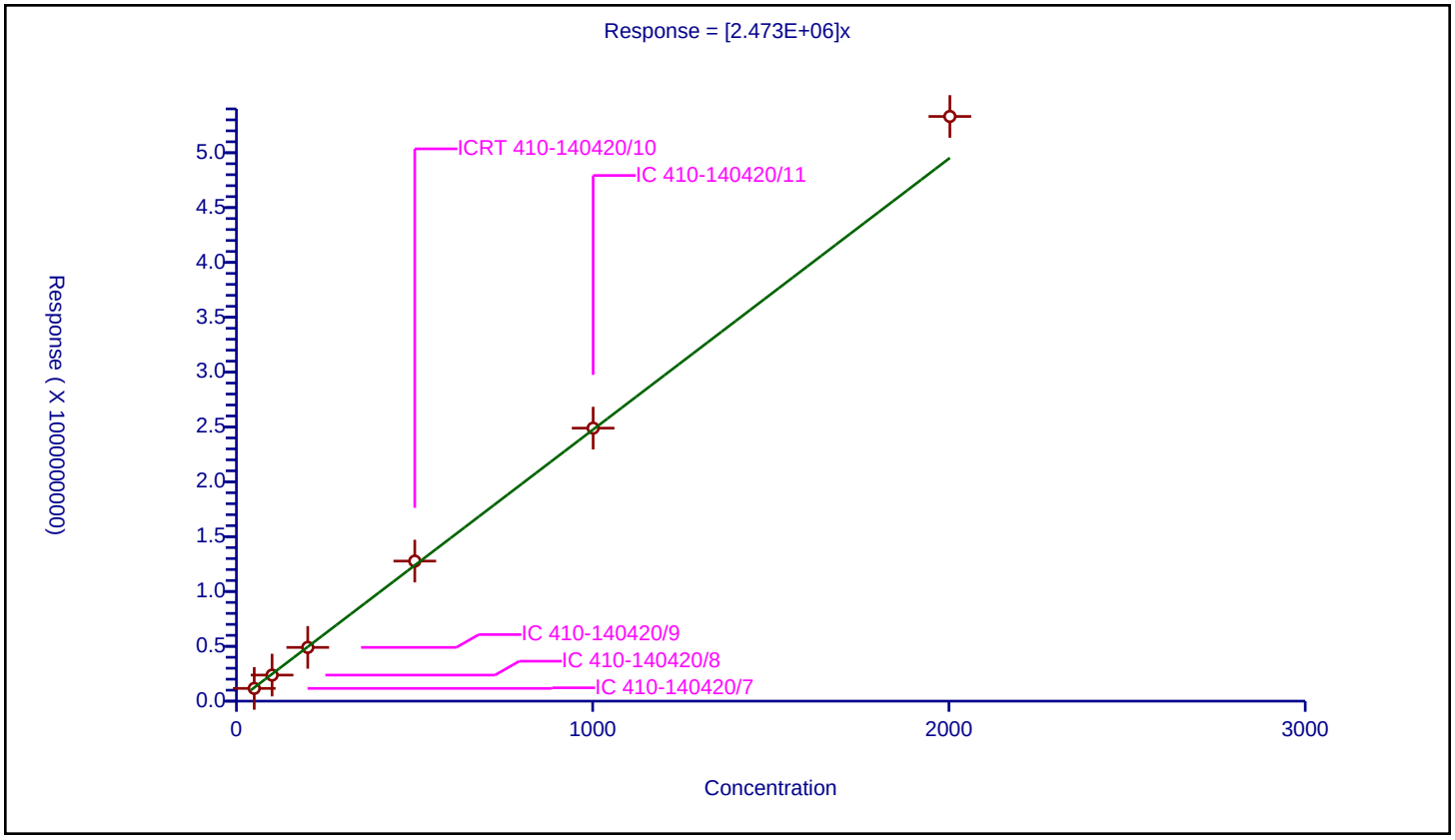
Curve Coefficients

Intercept:	0
Slope:	2.473E+06

Error Coefficients

Standard Error:	170000000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140420/7	50.065	116315579.0			2323291.301308	Y
2	IC 410-140420/8	100.13	237528725.0			2372203.385599	Y
3	IC 410-140420/9	200.26	489882933.0			2446234.560072	Y
4	ICRT 410-140420/10	500.65	1276931659.0			2550547.606112	Y
5	IC 410-140420/11	1001.3	2489205652.0			2485973.885948	Y
6	IC 410-140420/12	2002.6	5331130257.0			2662104.392789	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

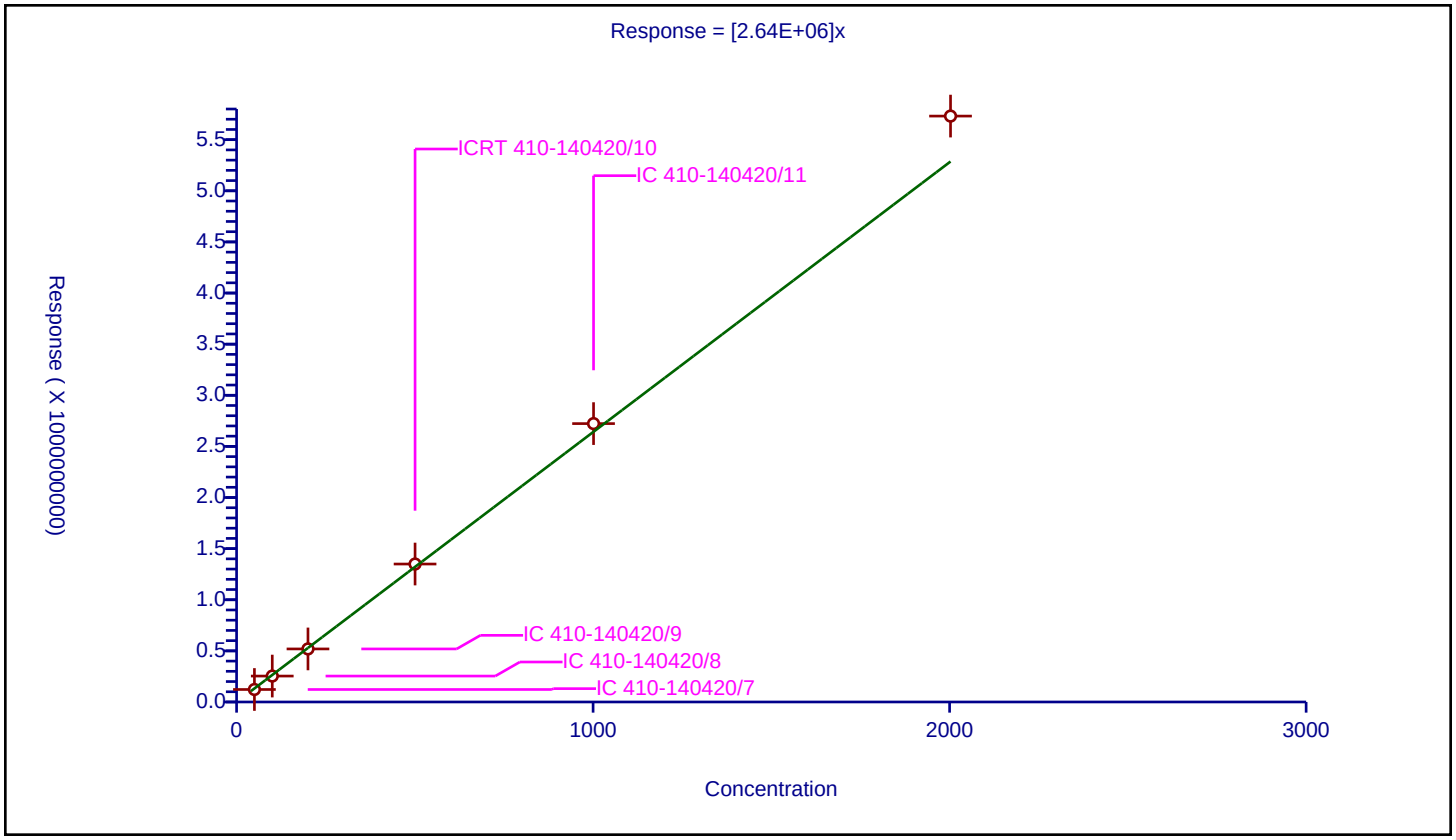
Curve Coefficients

Intercept:	0
Slope:	2.64E+06

Error Coefficients

Standard Error:	203000000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140420/7	50.065	122081255.0			2438455.108359	Y
2	IC 410-140420/8	100.13	253551134.0			2532219.454709	Y
3	IC 410-140420/9	200.26	519005151.0			2591656.601418	Y
4	ICRT 410-140420/10	500.65	1349316147.0			2695128.626785	Y
5	IC 410-140420/11	1001.3	2722869026.0			2719333.89194	Y
6	IC 410-140420/12	2002.6	5730901657.0			2861730.578748	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

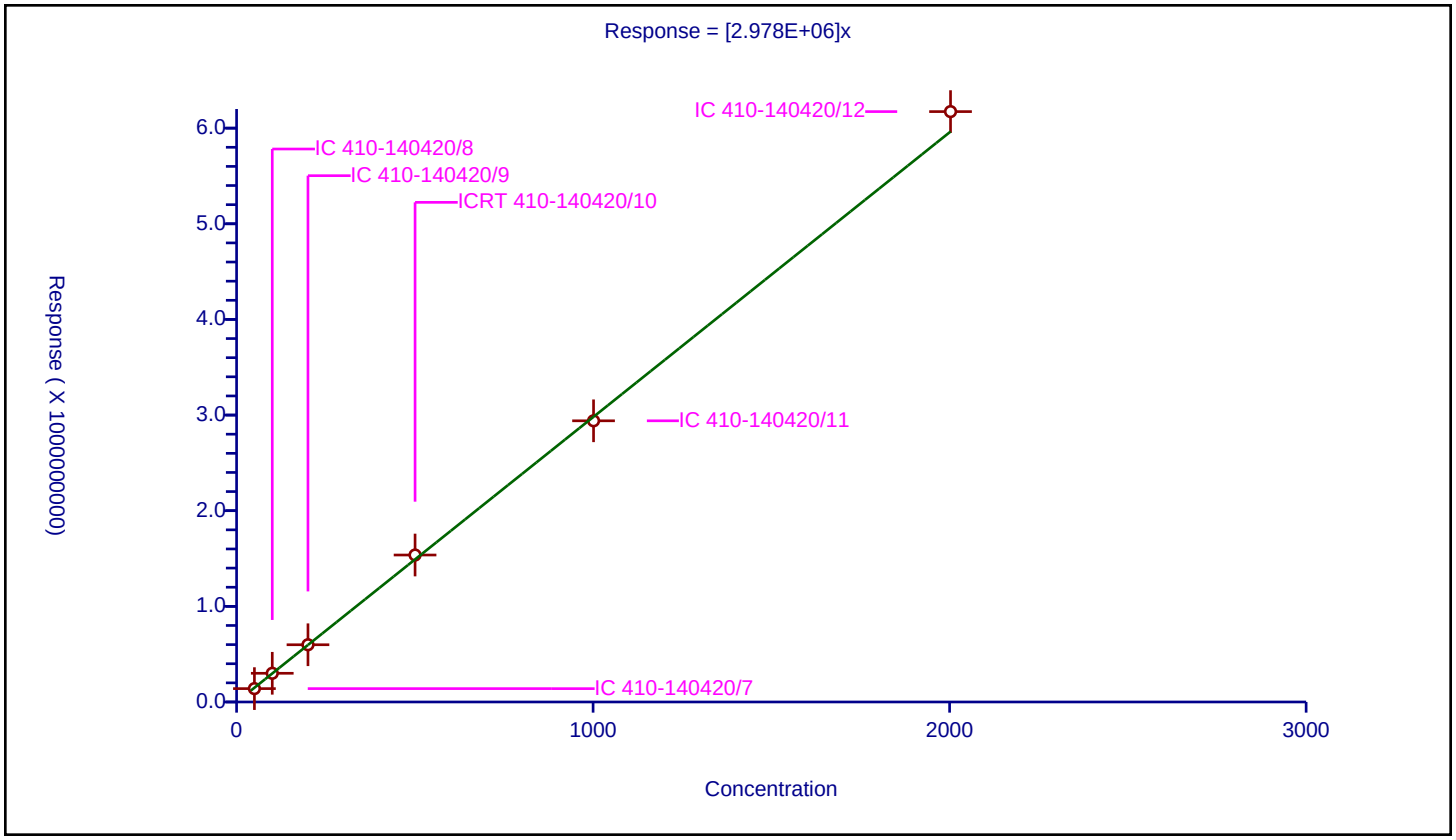
Curve Coefficients

Intercept:	0
Slope:	2.978E+06

Error Coefficients

Standard Error:	97700000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140420/7	50.065	139950116.0			2795368.341157	Y
2	IC 410-140420/8	100.13	300074905.0			2996853.140917	Y
3	IC 410-140420/9	200.26	598472378.0			2988476.870069	Y
4	ICRT 410-140420/10	500.65	1536601955.0			3069213.931889	Y
5	IC 410-140420/11	1001.3	2939962706.0			2936145.716568	Y
6	IC 410-140420/12	2002.6	6173088970.0			3082537.186657	Y



FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140420

SDG No.:

Instrument ID: 9191 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/22/2021 07:20 Calibration End Date: 06/22/2021 08:22 Calibration ID: 27742

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-140420/7	10PEST21141035.007.D
Level 2	IC 410-140420/8	10PEST21141035.008.D
Level 3	IC 410-140420/9	10PEST21141035.009.D
Level 4	ICRT 410-140420/10	10PEST21141035.010.D
Level 5	IC 410-140420/11	10PEST21141035.011.D
Level 6	IC 410-140420/12	10PEST21141035.012.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	4.843	4.850	4.847	4.845	4.847	4.850					4.815 - 4.875	4.847
Toxaphene Peak 2	5.133	5.140	5.138	5.135	5.138	5.142					5.105 - 5.165	5.138
Toxaphene Peak 3	5.315	5.320	5.317	5.315	5.317	5.320					5.285 - 5.345	5.317
Toxaphene Peak 4	5.605	5.610	5.605	5.603	5.607	5.608					5.573 - 5.633	5.606
Toxaphene Peak 5	5.690	5.697	5.693	5.690	5.692	5.695					5.660 - 5.720	5.693

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140420

SDG No.:

Instrument ID: 9191 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/22/2021 07:20 Calibration End Date: 06/22/2021 08:22 Calibration ID: 27742

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-140420/7	10PEST21141035.007.D
Level 2	IC 410-140420/8	10PEST21141035.008.D
Level 3	IC 410-140420/9	10PEST21141035.009.D
Level 4	ICRT 410-140420/10	10PEST21141035.010.D
Level 5	IC 410-140420/11	10PEST21141035.011.D
Level 6	IC 410-140420/12	10PEST21141035.012.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	1550217 925127	1193793 942463	1086328	1023432	Lin	30691248.8	922601.391							0.9990		0.9900
Toxaphene Peak 2	2417093 1970031	2295842 2022713	2227209	2121947	Ave		2175805.80				7.8		20.0			
Toxaphene Peak 3	2144746 1869894	2162139 1962343	2069159	1975301	Ave		2030596.97				5.6		20.0			
Toxaphene Peak 4	1439033 1245043	1441022 1323803	1343804	1296721	Ave		1348237.59				5.8		20.0			
Toxaphene Peak 5	2238080 1868265	2179855 1915464	2034134	1943956	Ave		2029958.94				7.4		20.0			

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

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-43723-1 Analy Batch No.: 140420

SDG No.:

Instrument ID: 9191 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/22/2021 07:20 Calibration End Date: 06/22/2021 08:22 Calibration ID: 27742

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-140420/7	10PEST21141035.007.D
Level 2	IC 410-140420/8	10PEST21141035.008.D
Level 3	IC 410-140420/9	10PEST21141035.009.D
Level 4	ICRT 410-140420/10	10PEST21141035.010.D
Level 5	IC 410-140420/11	10PEST21141035.011.D
Level 6	IC 410-140420/12	10PEST21141035.012.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Lin	77611624 1887375507	119534503	217548031	512381097	926329708	50.1 2003	100	200	501	1001
Toxaphene Peak 2	Ave	121011766 4050684112	229882630	446020904	1062352830	1972592218	50.1 2003	100	200	501	1001
Toxaphene Peak 3	Ave	107376711 3929787721	216494963	414369785	988934294	1872325229	50.1 2003	100	200	501	1001
Toxaphene Peak 4	Ave	72045196 2651046979	144289558	269110139	649203357	1246661413	50.1 2003	100	200	501	1001
Toxaphene Peak 5	Ave	112049478 3835907962	218268879	407355606	973241812	1870693350	50.1 2003	100	200	501	1001

Curve Type Legend

Ave = Average by Height
Lin = Linear by Height

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.007.D
Lims ID: ic tox1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Jun-2021 07:20:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic tox1
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:20:47 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.532	4.530	0.002	143975167H	50.1	55.4	
1	4.637	4.633	0.004	152421485H	50.1	49.8	
1	4.852	4.848	0.004	116315579H	50.1	47.0	
1	5.138	5.135	0.003	122081255H	50.1	46.2	
1	5.232	5.228	0.004	139950116H	50.1	47.0	
		Average of Peak Amounts =				49.1	
2	4.843	4.845	-0.002	77611624H	50.1	50.9	
2	5.133	5.135	-0.002	121011766H	50.1	55.6	
2	5.315	5.315	0.000	107376711H	50.1	52.9	
2	5.605	5.603	0.002	72045196H	50.1	53.4	
2	5.690	5.690	0.000	112049478H	50.1	55.2	
		Average of Peak Amounts =				53.6	
						RPD = 8.77	

Reagents:

GCS_TOX1_00005 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:20:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.007.D

Injection Date: 22-Jun-2021 07:20:00 Instrument ID: 9191

Lims ID: ic tox1

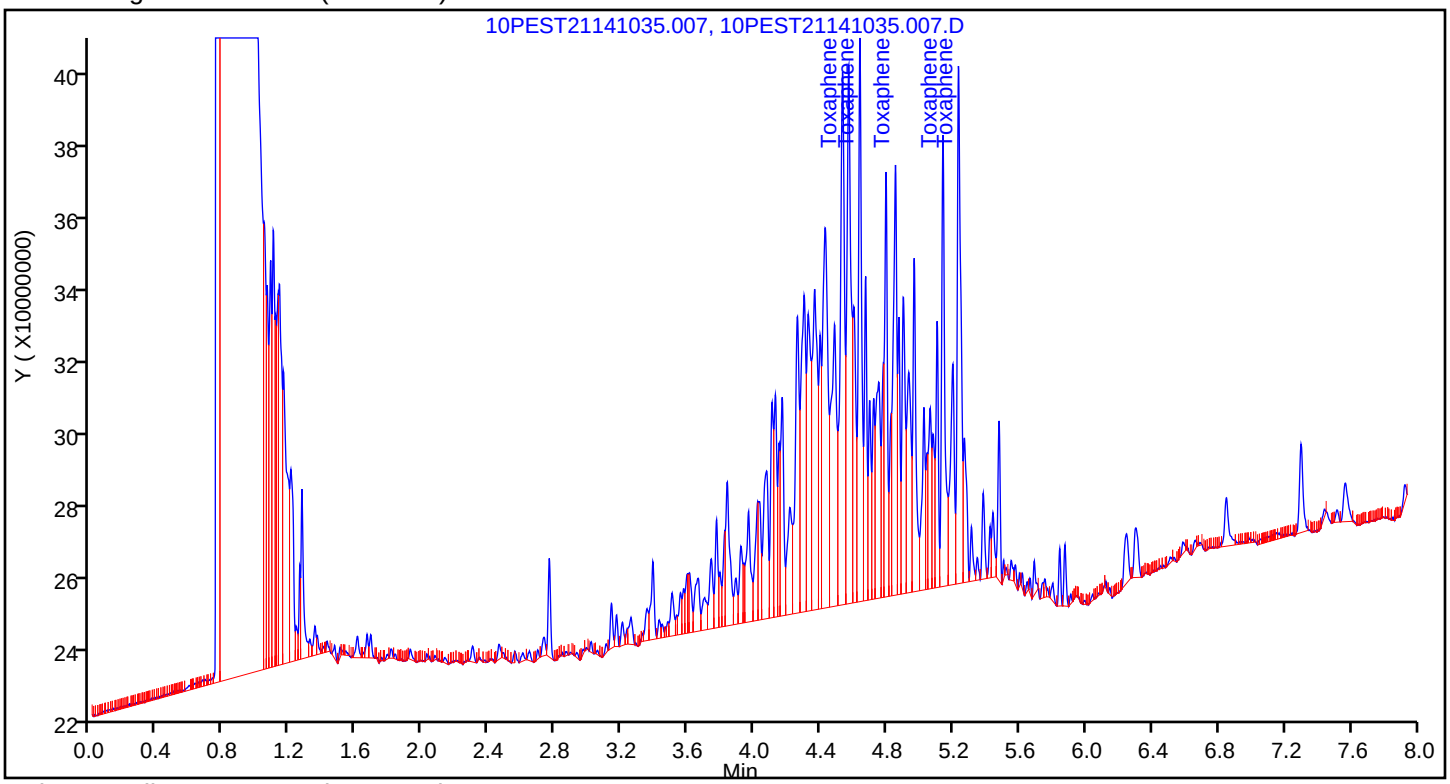
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

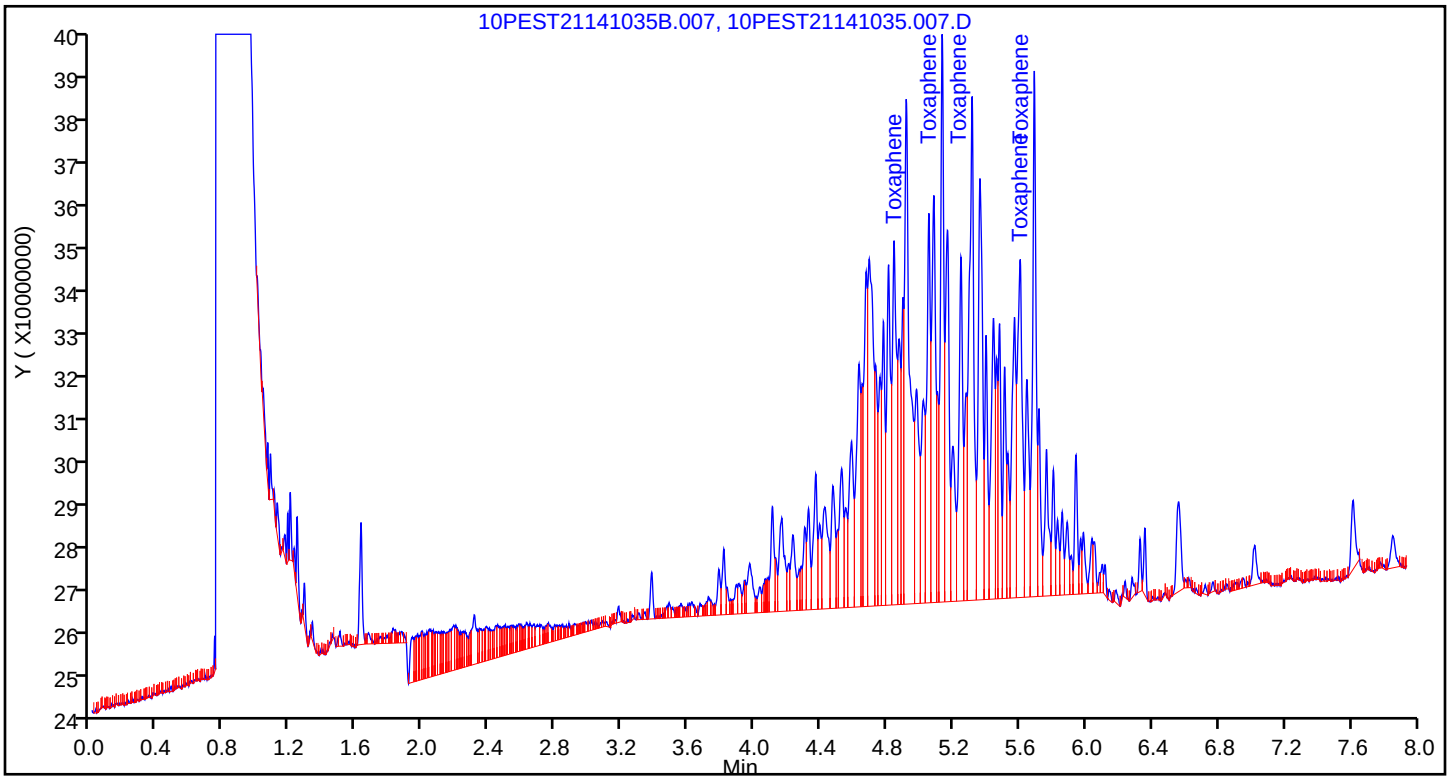
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.008.D
Lims ID: ic tox2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Jun-2021 07:33:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t2
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:20:51 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.530	4.530	0.000	248112579H	100.1	95.5	
1	4.635	4.633	0.002	299799293H	100.1	97.9	
1	4.848	4.848	0.000	237528725H	100.1	96.0	
1	5.135	5.135	0.000	253551134H	100.1	96.1	
1	5.230	5.228	0.002	300074905H	100.1	100.8	
		Average of Peak Amounts =				97.3	
2	4.850	4.845	0.005	119534503H	100.1	96.3	
2	5.140	5.135	0.005	229882630H	100.1	105.7	
2	5.320	5.315	0.005	216494963H	100.1	106.6	
2	5.610	5.603	0.007	144289558H	100.1	107.0	
2	5.697	5.690	0.007	218268879H	100.1	107.5	
		Average of Peak Amounts =				104.6	
						RPD = 7.30	

Reagents:

GCS_TOX2_00005 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:20:51 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.008.D

Injection Date: 22-Jun-2021 07:33:00 Instrument ID: 9191

Lims ID: ic tox2

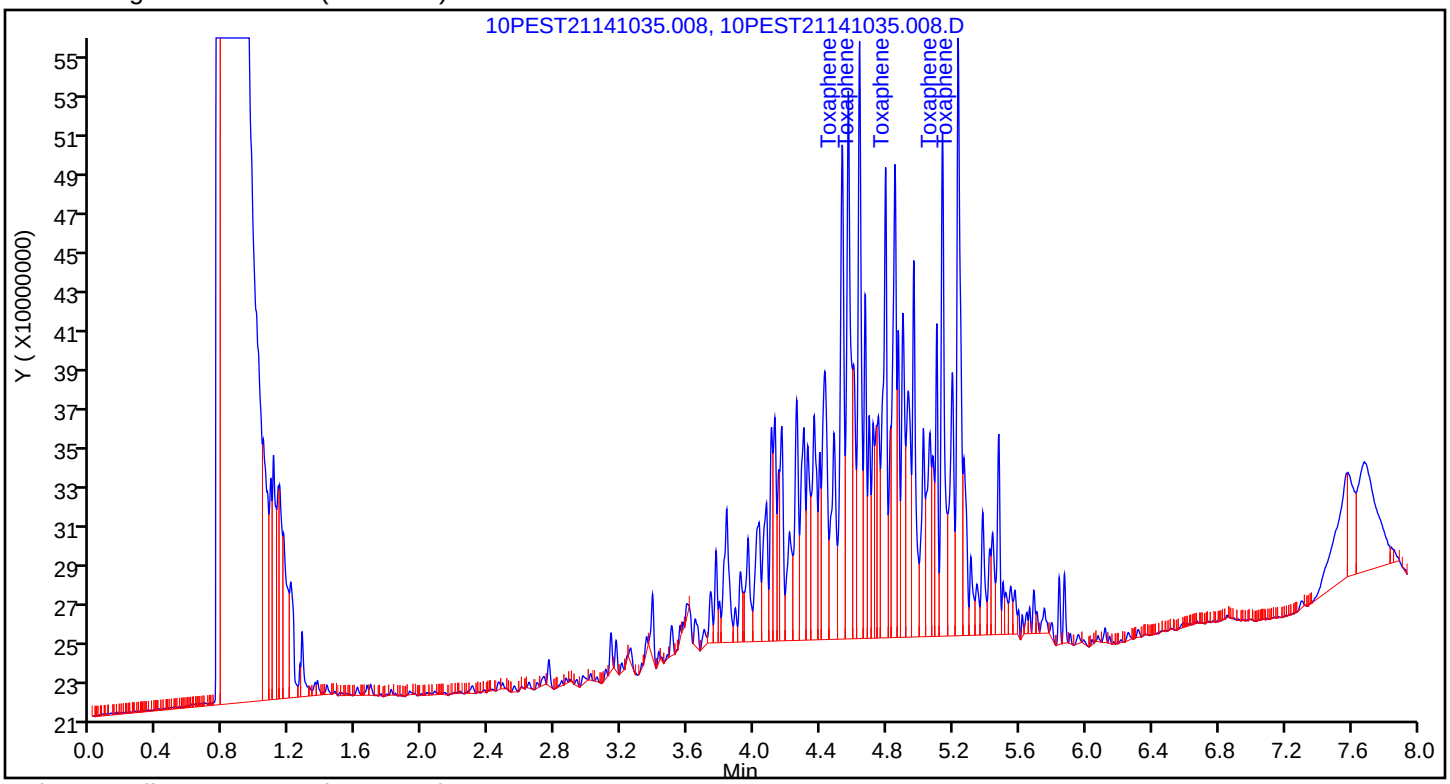
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 8

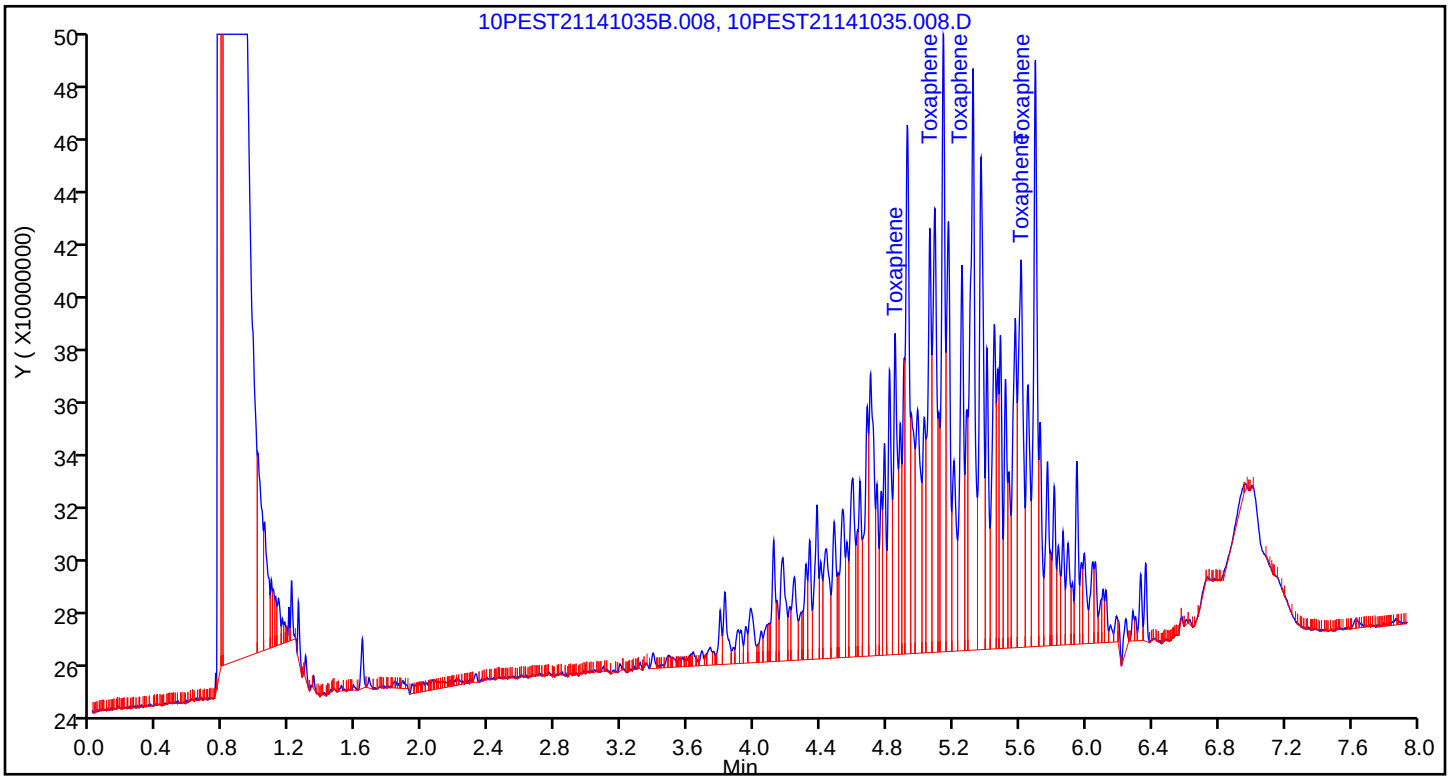
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.009.D
Lims ID: ic tox3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Jun-2021 07:45:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t3
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:20:54 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.528	4.530	-0.002	504709928H	200.3	194.2	
1	4.632	4.633	-0.001	609615020H	200.3	199.1	
1	4.847	4.848	-0.001	489882933H	200.3	198.1	
1	5.133	5.135	-0.002	519005151H	200.3	196.6	
1	5.227	5.228	-0.001	598472378H	200.3	201.0	
		Average of Peak Amounts =				197.8	
2	4.847	4.845	0.002	217548031H	200.3	202.5	
2	5.138	5.135	0.003	446020904H	200.3	205.0	
2	5.317	5.315	0.002	414369785H	200.3	204.1	
2	5.605	5.603	0.002	269110139H	200.3	199.6	
2	5.693	5.690	0.003	407355606H	200.3	200.7	
		Average of Peak Amounts =				202.4	
						RPD = 2.28	

Reagents:

GCS_TOX3_00005 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:20:55 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.009.D

Injection Date: 22-Jun-2021 07:45:00 Instrument ID: 9191

Lims ID: ic tox3

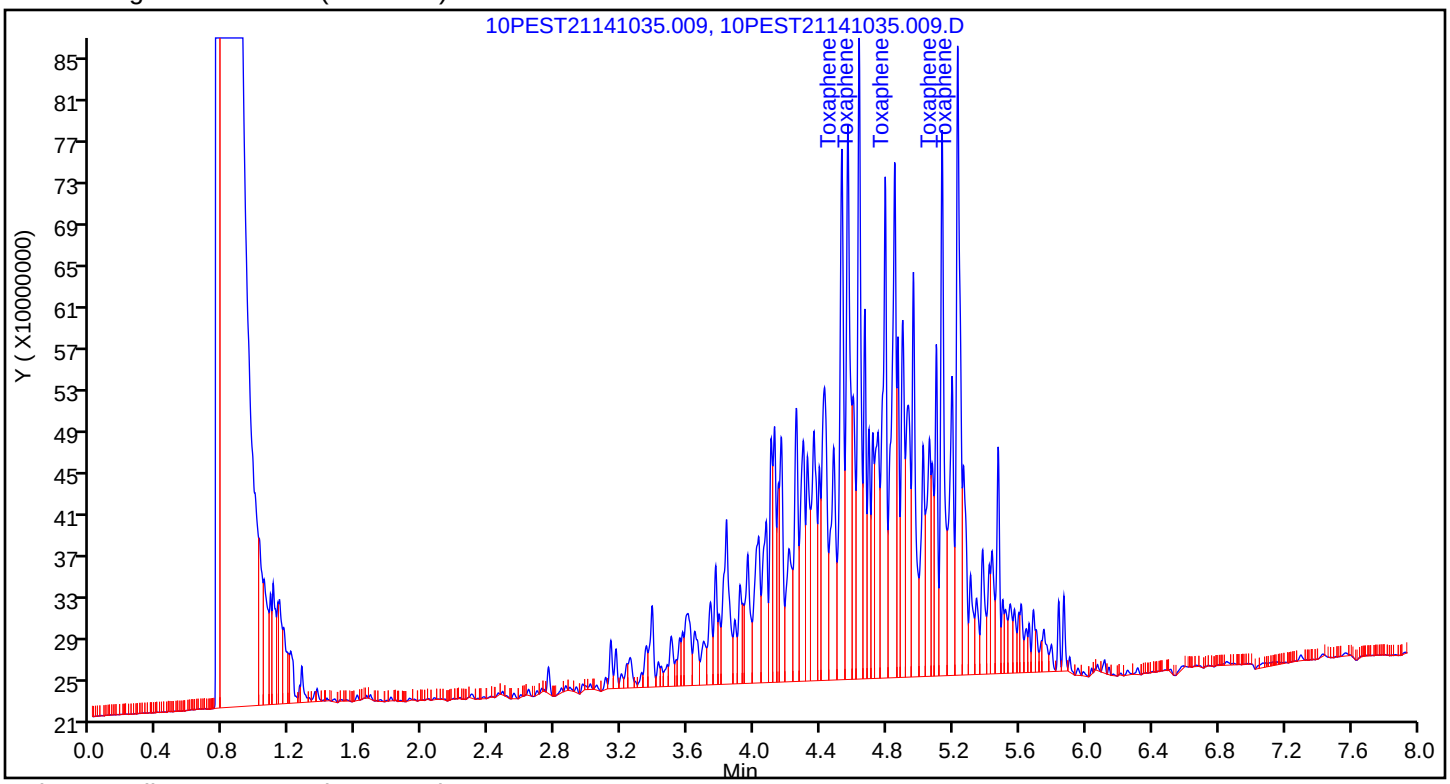
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 9

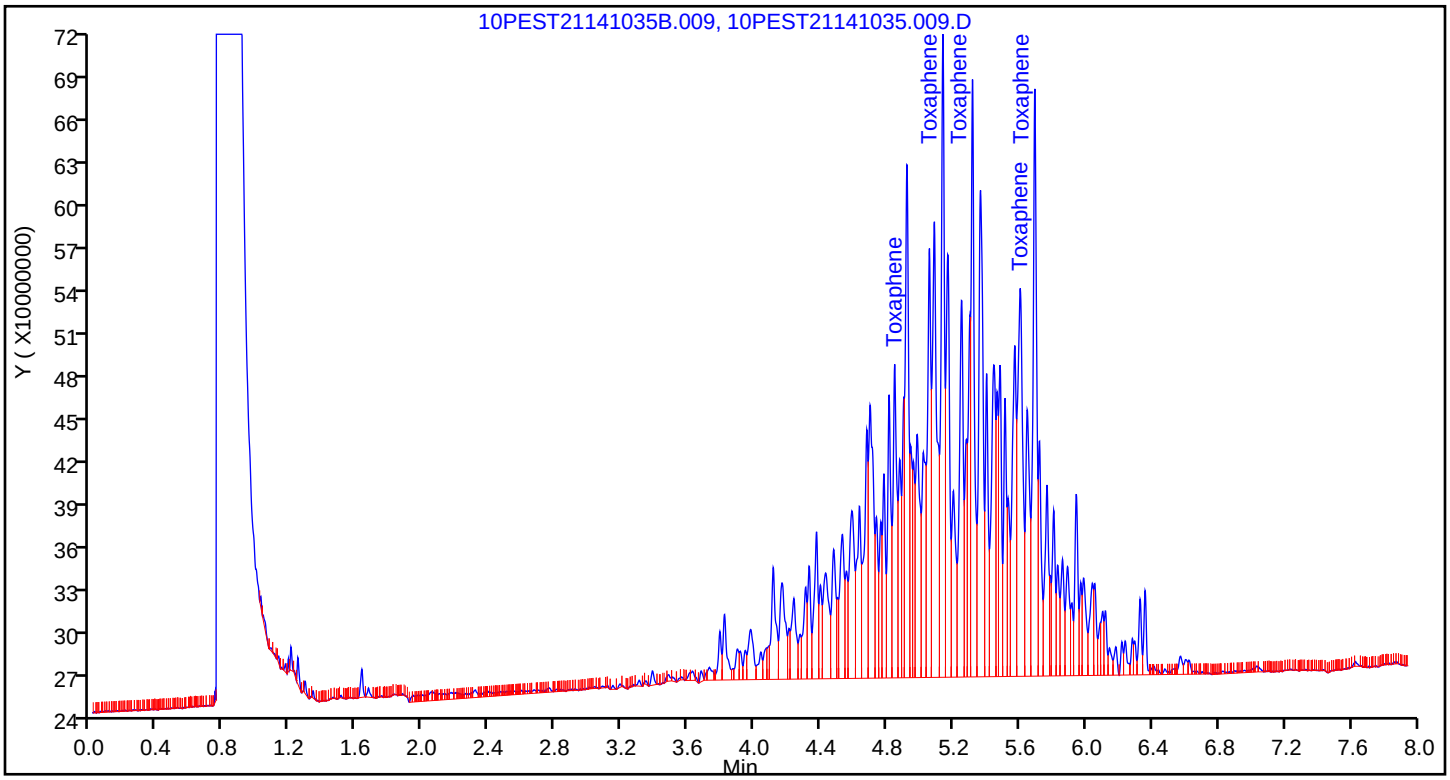
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.010.D
Lims ID: icrt tox4
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 22-Jun-2021 07:57:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt t4
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:20:59 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

First Level Reviewer: dalea Date: 22-Jun-2021 09:18:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.530	4.530	0.000	1304777510H	500.7	502.1	
1	4.633	4.633	0.000	1550011730H	500.7	506.4	
1	4.848	4.848	0.000	1276931659H	500.7	516.3	
1	5.135	5.135	0.000	1349316147H	500.7	511.2	
1	5.228	5.228	0.000	1536601955H	500.7	516.0	
		Average of Peak Amounts =				510.4	
2	4.845	4.845	0.000	512381097H	500.7	522.1	
2	5.135	5.135	0.000	1062352830H	500.7	488.3	
2	5.315	5.315	0.000	988934294H	500.7	487.0	
2	5.603	5.603	0.000	649203357H	500.7	481.5	
2	5.690	5.690	0.000	973241812H	500.7	479.4	
		Average of Peak Amounts =				491.7	
						RPD = 3.73	

Reagents:

GCS_TOX4_00006 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:21:00 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.010.D

Injection Date: 22-Jun-2021 07:57:00 Instrument ID: 9191

Lims ID: icrt tox4

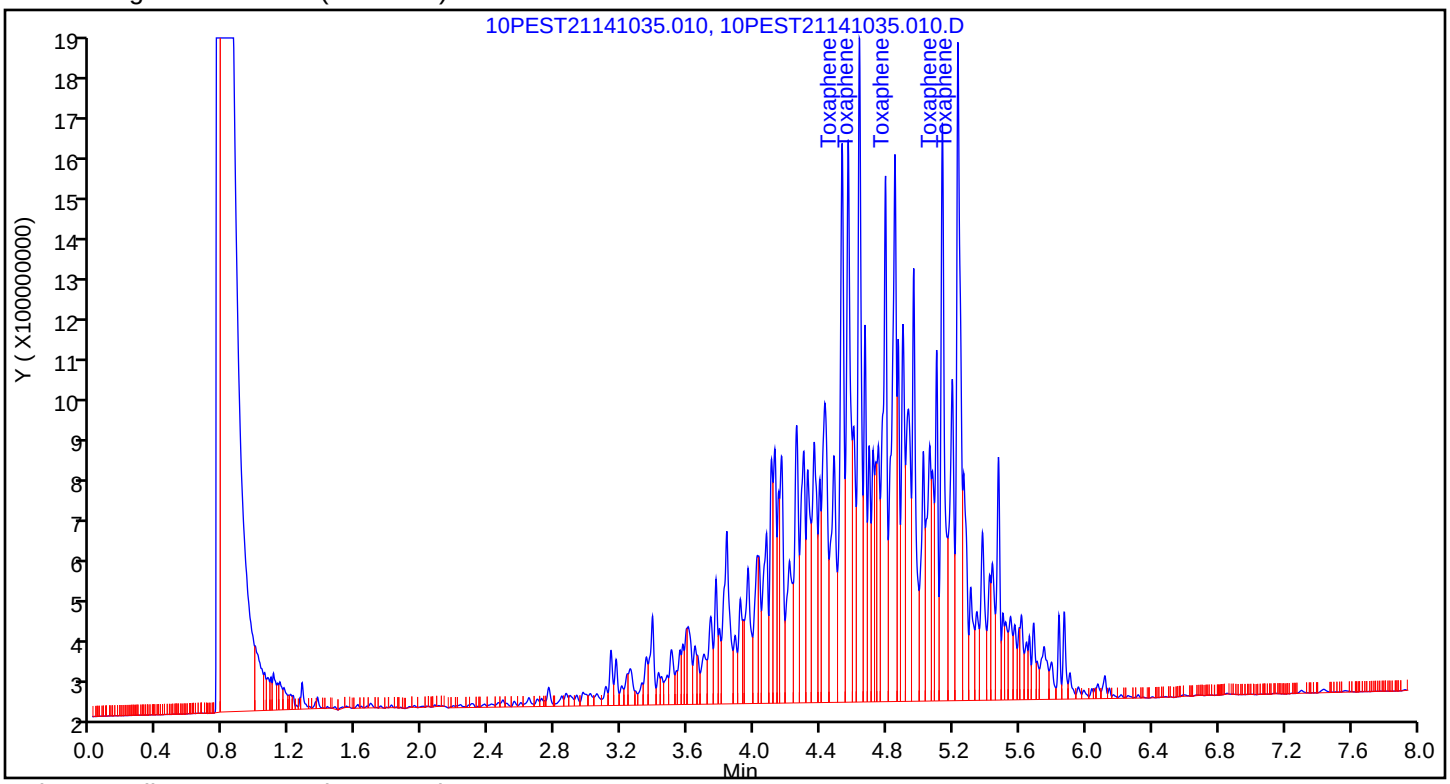
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 10

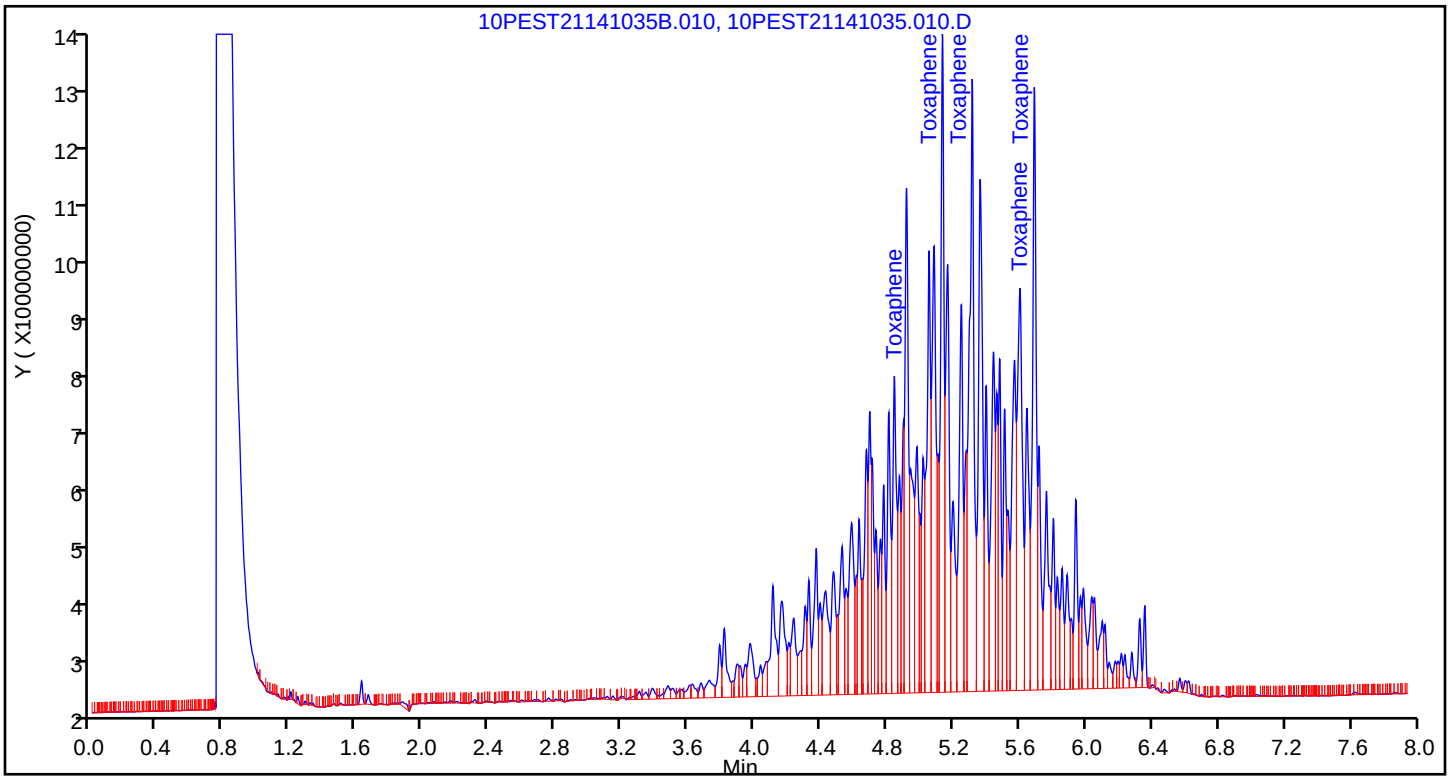
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.011.D
Lims ID: ic tox5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Jun-2021 08:09:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t5
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:21:05 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

First Level Reviewer: dalea Date: 22-Jun-2021 09:17:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							M
1	4.527	4.530	-0.003	2532567357H	1001.3	974.6	
1	4.632	4.633	-0.001	3047764184H	1001.3	995.6	
1	4.847	4.848	-0.001	2489205652H	1001.3	1006.4	
1	5.133	5.135	-0.002	2722869026H	1001.3	1031.5	
1	5.227	5.228	-0.001	2939962706H	1001.3	987.2	
		Average of Peak Amounts =				999.1	
2	4.847	4.845	0.002	926329708H	1001.3	970.8	M
2	5.138	5.135	0.003	1972592218H	1001.3	906.6	M
2	5.317	5.315	0.002	1872325229H	1001.3	922.1	M
2	5.607	5.603	0.004	1246661413H	1001.3	924.7	M
2	5.692	5.690	0.002	1870693350H	1001.3	921.5	M
		Average of Peak Amounts =				929.1	
						RPD = 7.25	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCS_TOX5_00005 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:21:05 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.011.D

Injection Date: 22-Jun-2021 08:09:00 Instrument ID: 9191

Lims ID: ic tox5

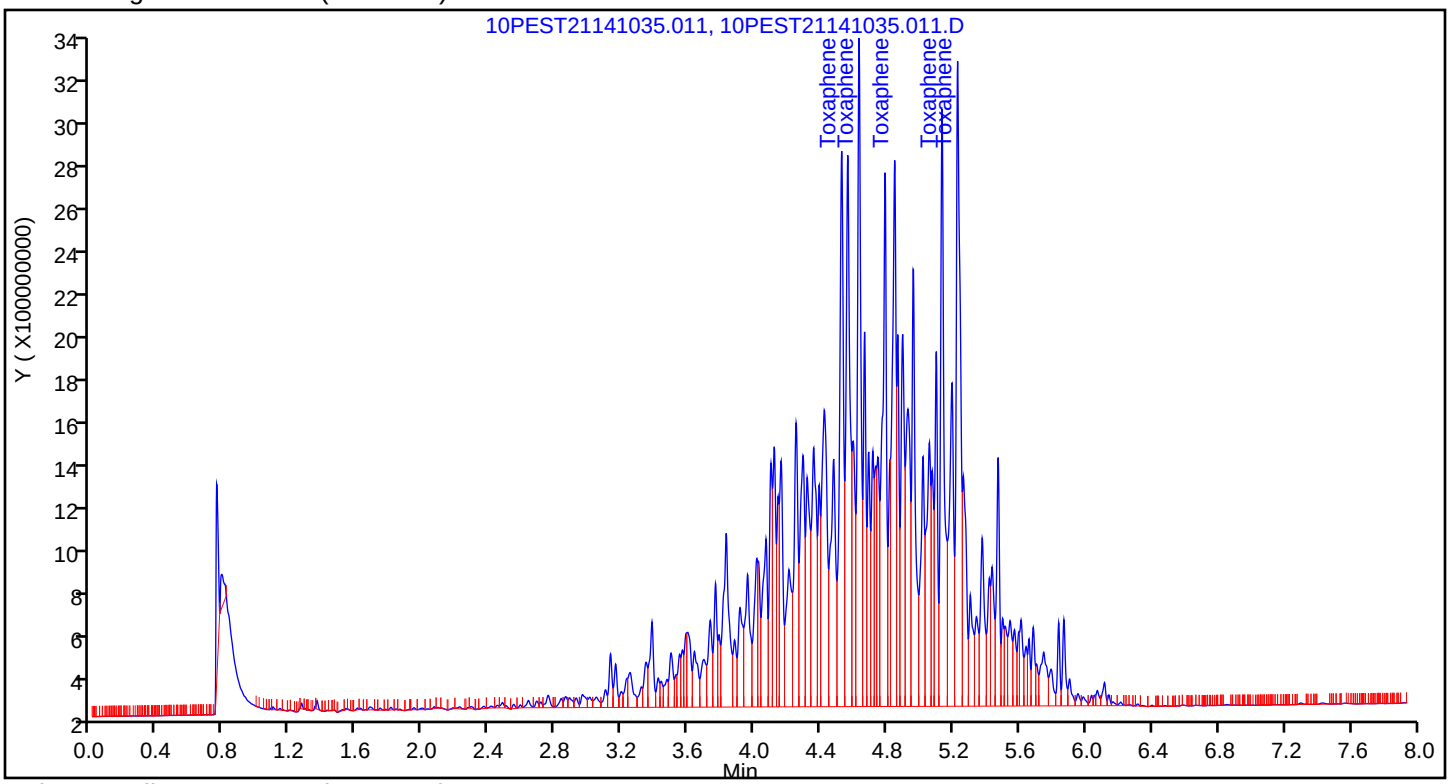
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 11

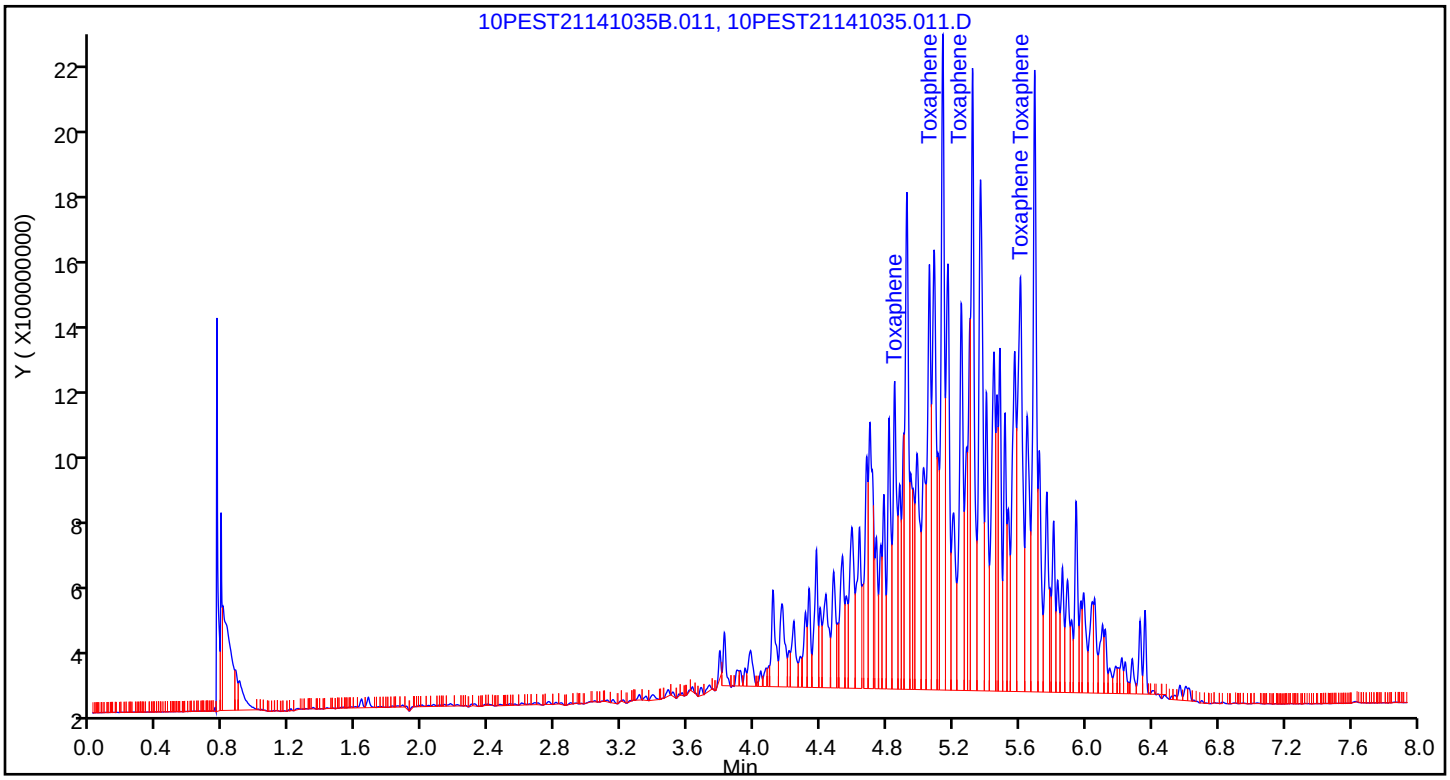
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Report Date: 22-Jun-2021 09:21:06 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.011.D

Injection Date: 22-Jun-2021 08:09:00 Instrument ID: 9191

Lims ID: ic tox5

Client ID:

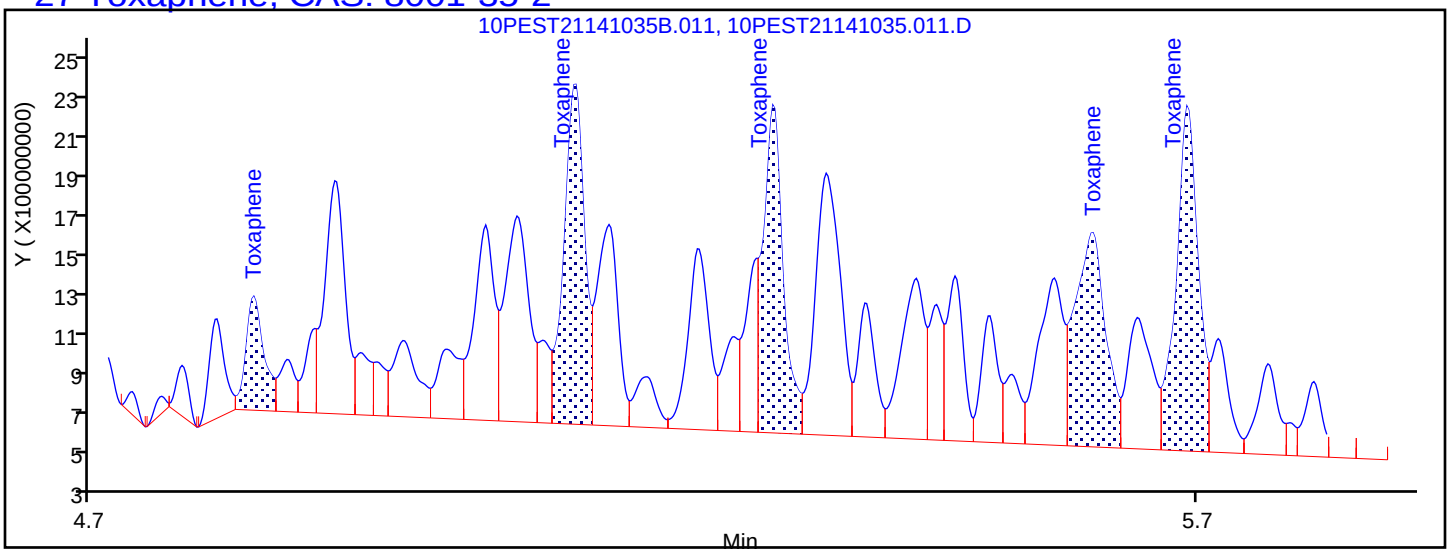
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

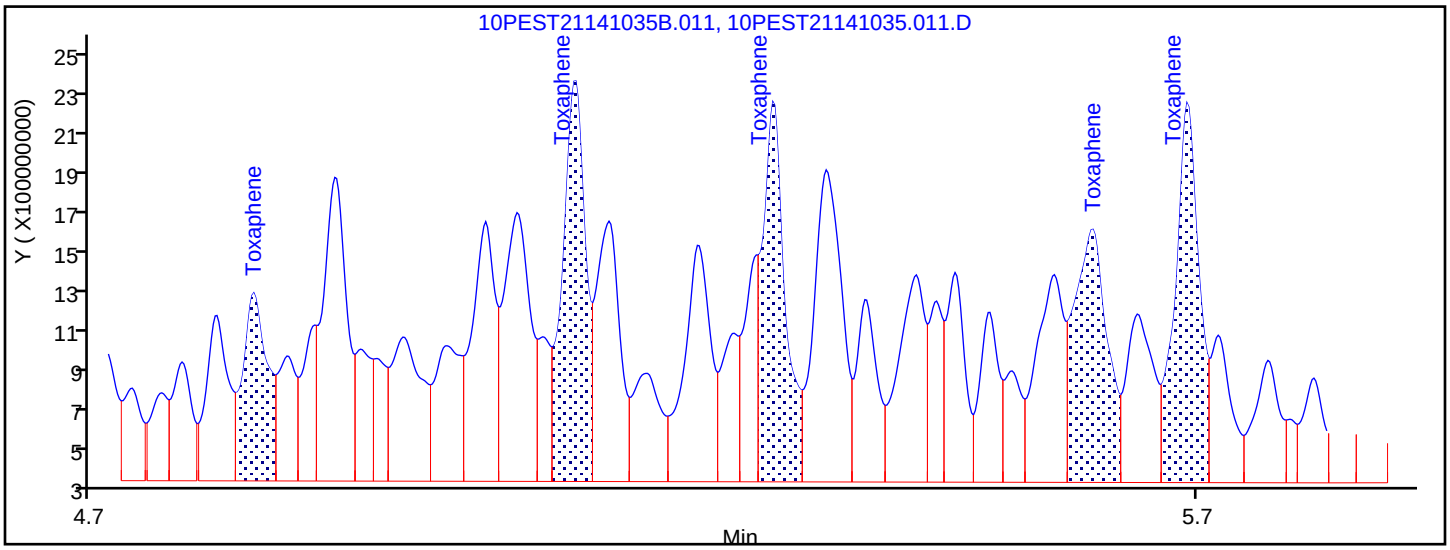
Column: Agilent DB-CLP2 (0.32 mm) Detector ECD2B

27 Toxaphene, CAS: 8001-35-2



Processing Integration Results

4.847	Response = 561081610
5.138	Response = 1673770869
5.317	Response = 1614119091
5.607	Response = 1054502442
5.692	Response = 1697893032



Manual Integration Results

4.847	Response = 926329708	M
5.138	Response = 1972592218	M
5.317	Response = 1872325229	M
5.607	Response = 1246661413	M
5.692	Response = 1870693350	M

Reviewer: dalea, 22-Jun-2021 09:19:20

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D
Lims ID: ic tox6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Jun-2021 08:22:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t6
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:21:10 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.530	4.530	0.000	5170022625H	2002.6	1989.6	
1	4.637	4.633	0.004	6296722169H	2002.6	2057.0	
1	4.850	4.848	0.002	5331130257H	2002.6	2155.4	
1	5.137	5.135	0.002	5730901657H	2002.6	2171.0	
1	5.232	5.228	0.004	6173088970H	2002.6	2072.8	
		Average of Peak Amounts =				2089.2	
2	4.850	4.845	0.005	1887375507H	2002.6	2012.4	
2	5.142	5.135	0.007	4050684112H	2002.6	1861.7	
2	5.320	5.315	0.005	3929787721H	2002.6	1935.3	
2	5.608	5.603	0.005	2651046979H	2002.6	1966.3	
2	5.695	5.690	0.005	3835907962H	2002.6	1889.6	
		Average of Peak Amounts =				1933.1	
						RPD = 7.76	

Reagents:

GCS_TOX6_00005 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:21:11 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Injection Date: 22-Jun-2021 08:22:00 Instrument ID: 9191

Lims ID: ic tox6

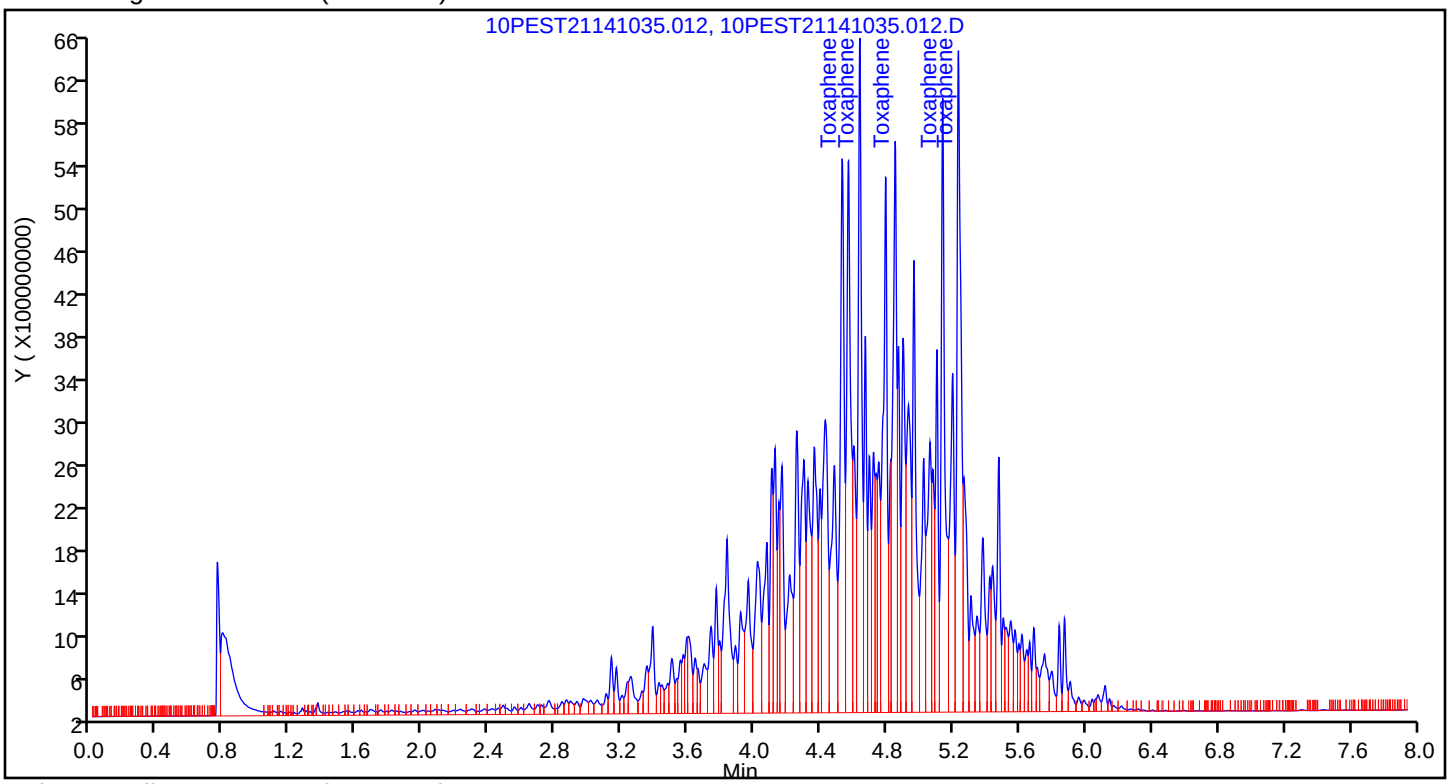
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 12

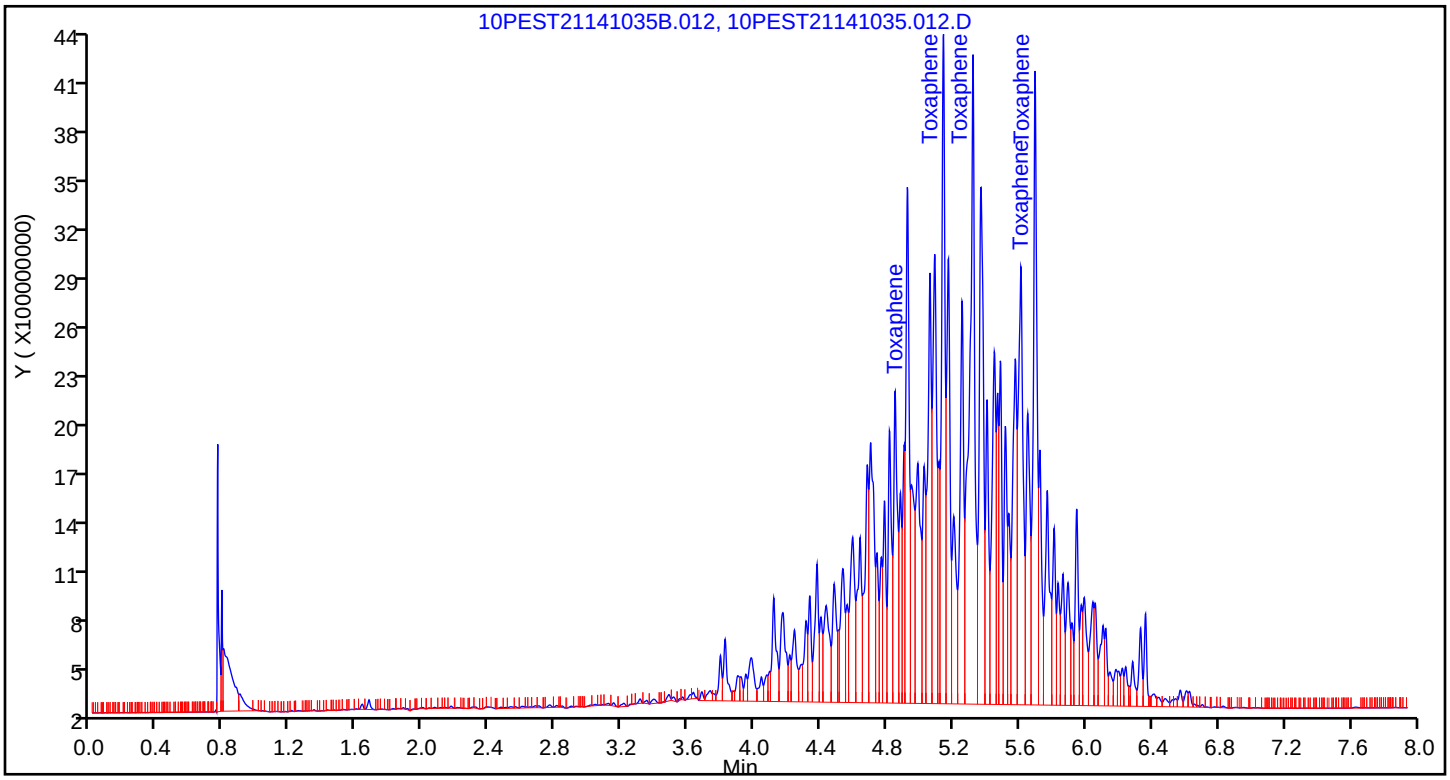
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Calibration / Toxaphene Peak 1

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

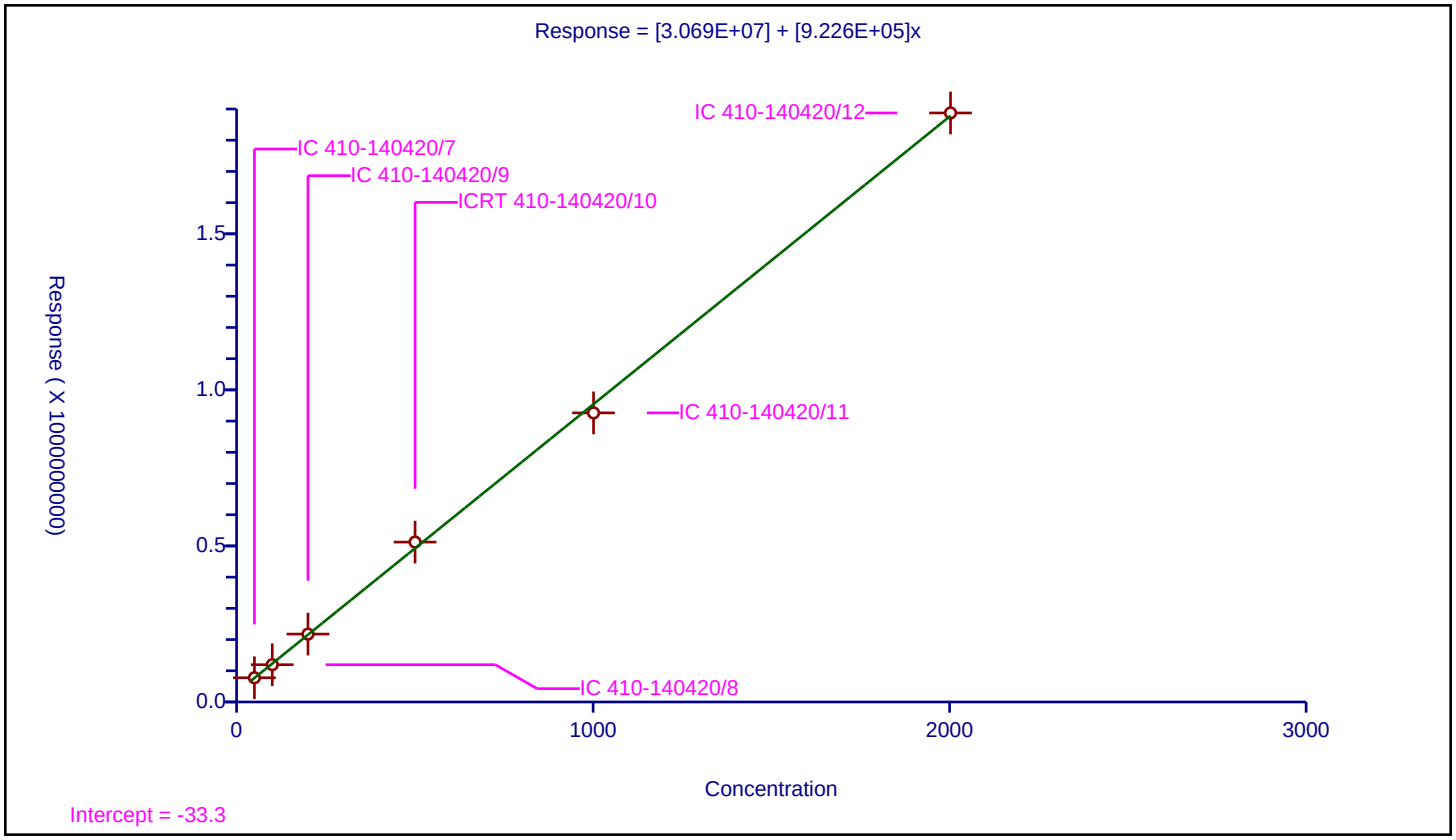
Curve Coefficients

Intercept:	3.069E+07
Slope:	9.226E+05

Error Coefficients

Standard Error:	17900000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140420/7	50.065	77611624.0			1550217.197643	Y
2	IC 410-140420/8	100.13	119534503.0			1193793.098971	Y
3	IC 410-140420/9	200.26	217548031.0			1086327.928693	Y
4	ICRT 410-140420/10	500.65	512381097.0			1023431.732747	Y
5	IC 410-140420/11	1001.3	926329708.0			925127.042844	Y
6	IC 410-140420/12	2002.6	1887375507.0			942462.552182	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

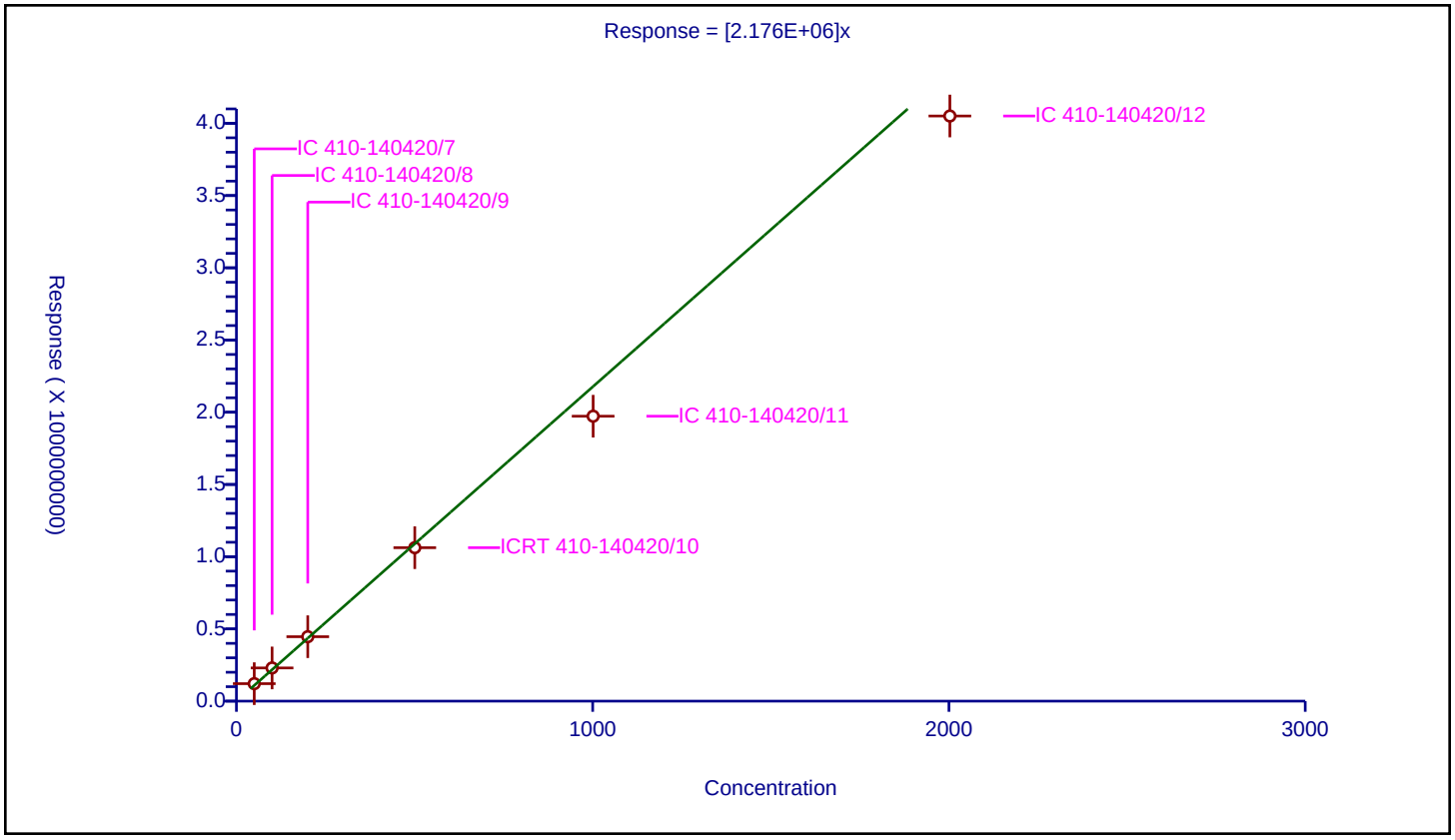
Curve Coefficients

Intercept:	0
Slope:	2.176E+06

Error Coefficients

Standard Error:	166000000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140420/7	50.065	121011766.0			2417093.098971	Y
2	IC 410-140420/8	100.13	229882630.0			2295841.705782	Y
3	IC 410-140420/9	200.26	446020904.0			2227209.148107	Y
4	ICRT 410-140420/10	500.65	1062352830.0			2121947.128733	Y
5	IC 410-140420/11	1001.3	1972592218.0			1970031.177469	Y
6	IC 410-140420/12	2002.6	4050684112.0			2022712.529711	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

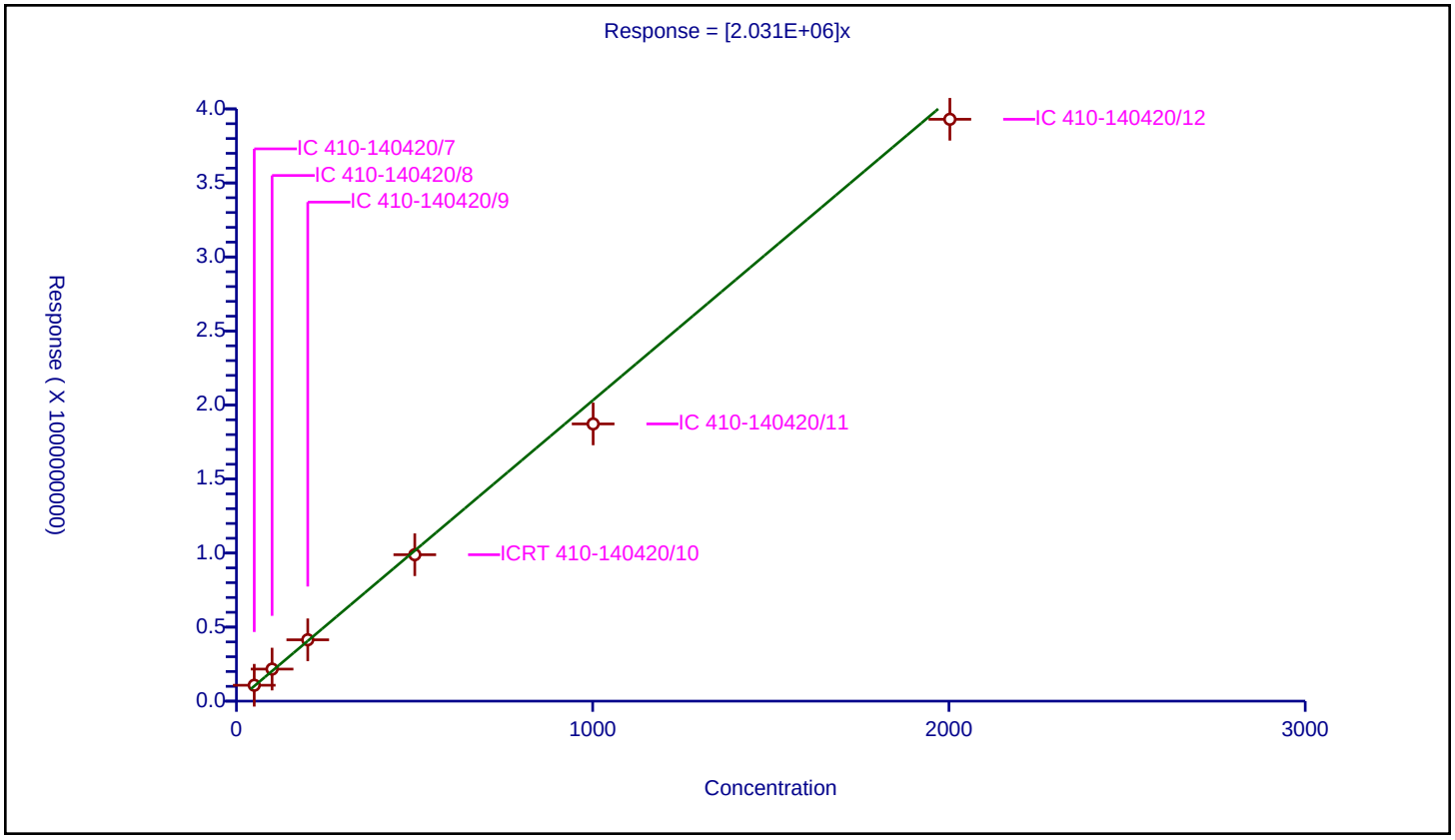
Curve Coefficients

Intercept:	0
Slope:	2.031E+06

Error Coefficients

Standard Error:	95500000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140420/7	50.065	107376711.0			2144746.050135	Y
2	IC 410-140420/8	100.13	216494963.0			2162138.849496	Y
3	IC 410-140420/9	200.26	414369785.0			2069159.018276	Y
4	ICRT 410-140420/10	500.65	988934294.0			1975300.697094	Y
5	IC 410-140420/11	1001.3	1872325229.0			1869894.366324	Y
6	IC 410-140420/12	2002.6	3929787721.0			1962342.814841	Y



Calibration / Toxaphene Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

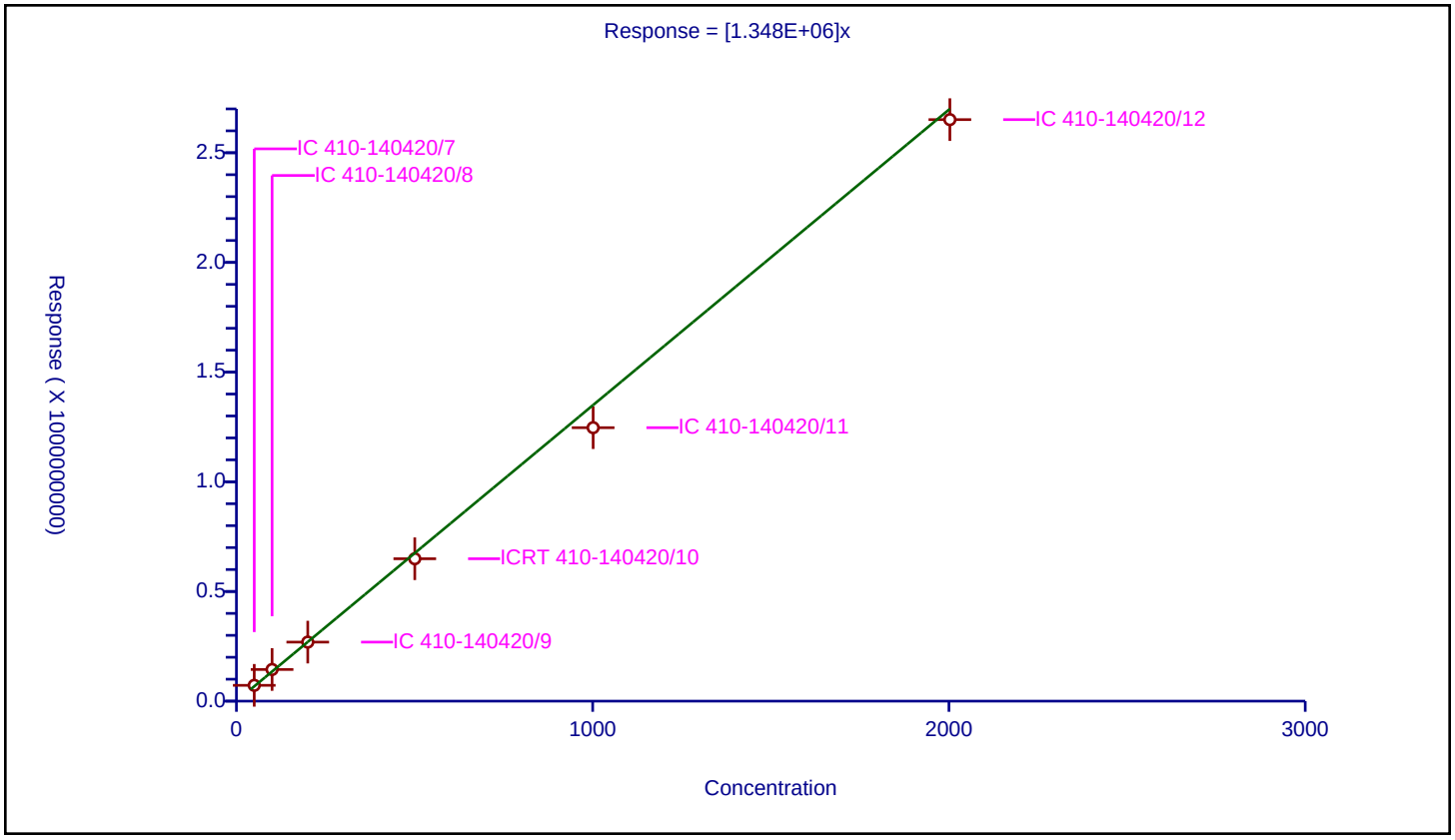
Curve Coefficients

Intercept:	0
Slope:	1.348E+06

Error Coefficients

Standard Error:	52600000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140420/7	50.065	72045196.0			1439033.17687	Y
2	IC 410-140420/8	100.13	144289558.0			1441022.251074	Y
3	IC 410-140420/9	200.26	269110139.0			1343803.750125	Y
4	ICRT 410-140420/10	500.65	649203357.0			1296720.97673	Y
5	IC 410-140420/11	1001.3	1246661413.0			1245042.857286	Y
6	IC 410-140420/12	2002.6	2651046979.0			1323802.54619	Y



Calibration / Toxaphene Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

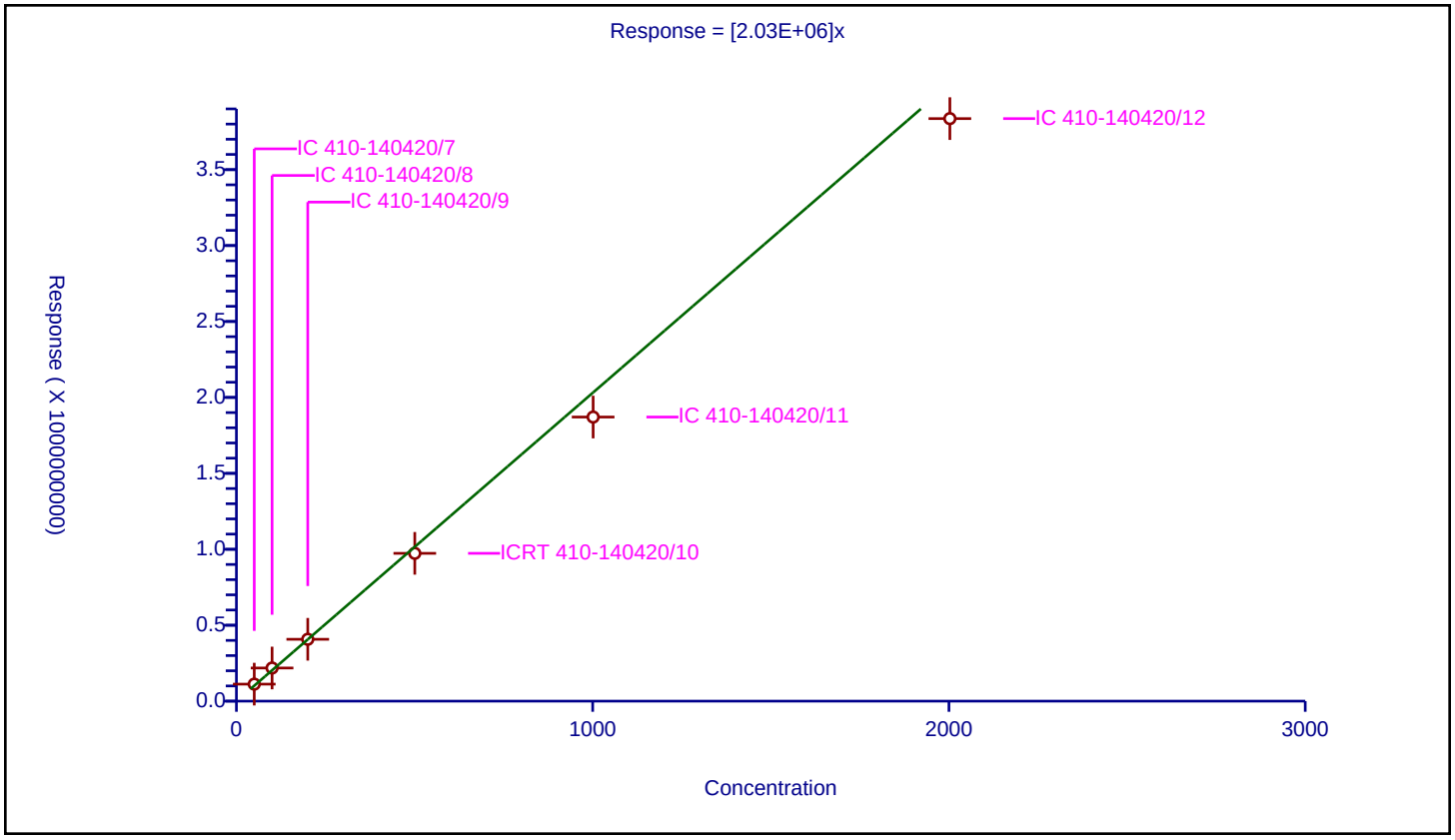
Curve Coefficients

Intercept:	0
Slope:	2.03E+06

Error Coefficients

Standard Error:	127000000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-140420/7	50.065	112049478.0			2238080.055927	Y
2	IC 410-140420/8	100.13	218268879.0			2179854.978528	Y
3	IC 410-140420/9	200.26	407355606.0			2034133.656247	Y
4	ICRT 410-140420/10	500.65	973241812.0			1943956.480575	Y
5	IC 410-140420/11	1001.3	1870693350.0			1868264.606012	Y
6	IC 410-140420/12	2002.6	3835907962.0			1915463.877959	Y



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: PEM 410-140420/6 Calibration Date: 06/22/2021 06:43

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141035.006.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	4.40	7288016519	2.11	15	
Endrin aldehyde	4.79	43498538			
Endrin ketone	5.37	113253217			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
p,p'-DDT	4.72	11857446938	1.33	15	
p,p'-DDD	4.51	146547810			
p,p'-DDE	4.05	13074649			

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.006.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 22-Jun-2021 06:43:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: pem
Operator ID: 492 Instrument ID: 9191
Sublist:

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:23:06 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.822	1.825	-0.003	3278769174H	20.0	19.8	
2	2.368	2.368	0.000	1999264398H	20.0	19.9	
						RPD = 0.61	
3 alpha-BHC							
1	2.227	2.232	-0.005	2493885884H	10.0	10.1	
2	2.700	2.702	-0.002	1390291903H	10.0	9.76	
						RPD = 3.48	
4 gamma-BHC (Lindane)							
1	2.515	2.520	-0.005	2154089699H	10.0	10.0	
2	2.990	2.990	0.000	1158176723H	10.0	9.44	
						RPD = 5.97	
6 beta-BHC							
1	2.717	2.722	-0.005	928311903H	10.0	9.34	
2	3.235	3.237	-0.002	540406926H	10.0	9.22	
						RPD = 1.31	
16 4,4'-DDE							
1	4.053	4.058	-0.005	11195164H		0.0641	
2	4.613	4.615	-0.002	9028919H		0.0778	
						RPD = 19.37	
19 Endrin							E
1	4.400	4.405	-0.005	7766274614H	50.1	47.8	E
2	4.892	4.893	-0.001	5013119337H	50.1	47.3	E
						RPD = 0.96	
22 4,4'-DDD							
1	4.513	4.518	-0.005	130519411H		0.9546	
2	5.003	5.005	-0.002	97182219H		1.04	
						RPD = 8.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 4,4'-DDT							E
1	4.722	4.728	-0.006	13012745709H	100.1	99.2	E
2	5.227	5.228	-0.001	8738334898H	100.1	100.6	E
						RPD = 1.42	
25 Endrin aldehyde							
1	4.787	4.792	-0.005	25360130H		0.1865	
2	5.168	5.170	-0.002	57462719H		0.6858	
						RPD = 114.50	
28 Methoxychlor							E
1	5.230	5.235	-0.005	15066103606H	250.2	225.7	E
2	5.538	5.542	-0.004	10914964335H	250.2	238.3	E
						RPD = 5.43	
29 Endrin ketone							
1	5.368	5.375	-0.007	76108419H		0.4561	
2	5.670	5.672	-0.002	47173586H		0.4497	
						RPD = 1.41	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.130	6.137	-0.007	3455627751H	20.0	19.9	
2	6.642	6.645	-0.003	1815748569H	20.0	21.0	
						RPD = 5.02	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

H - Response Measured by Height

Reagents:

GCS_PESTEVALV_00004 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:23:10 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.006.D

Injection Date: 22-Jun-2021 06:43:00 Instrument ID: 9191

Lims ID: pem

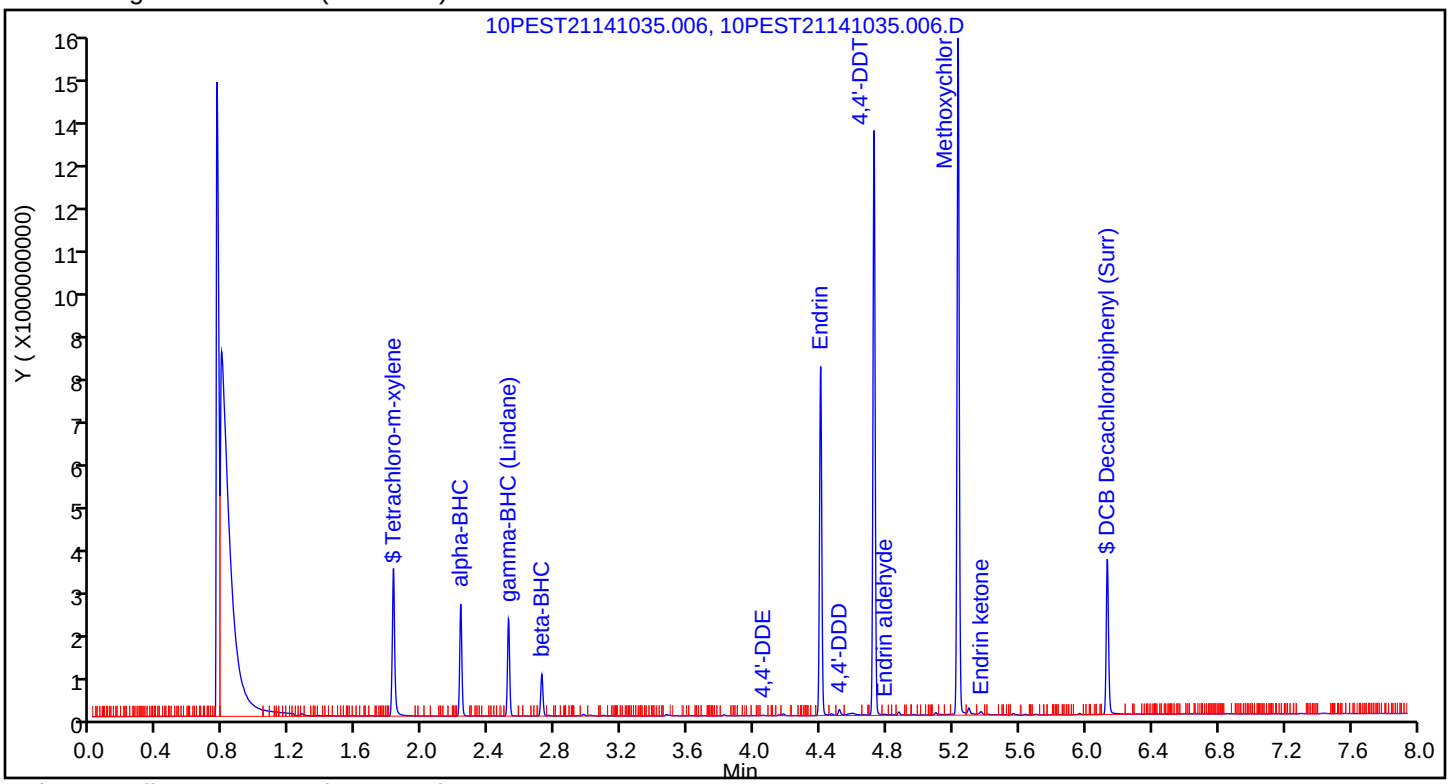
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 6

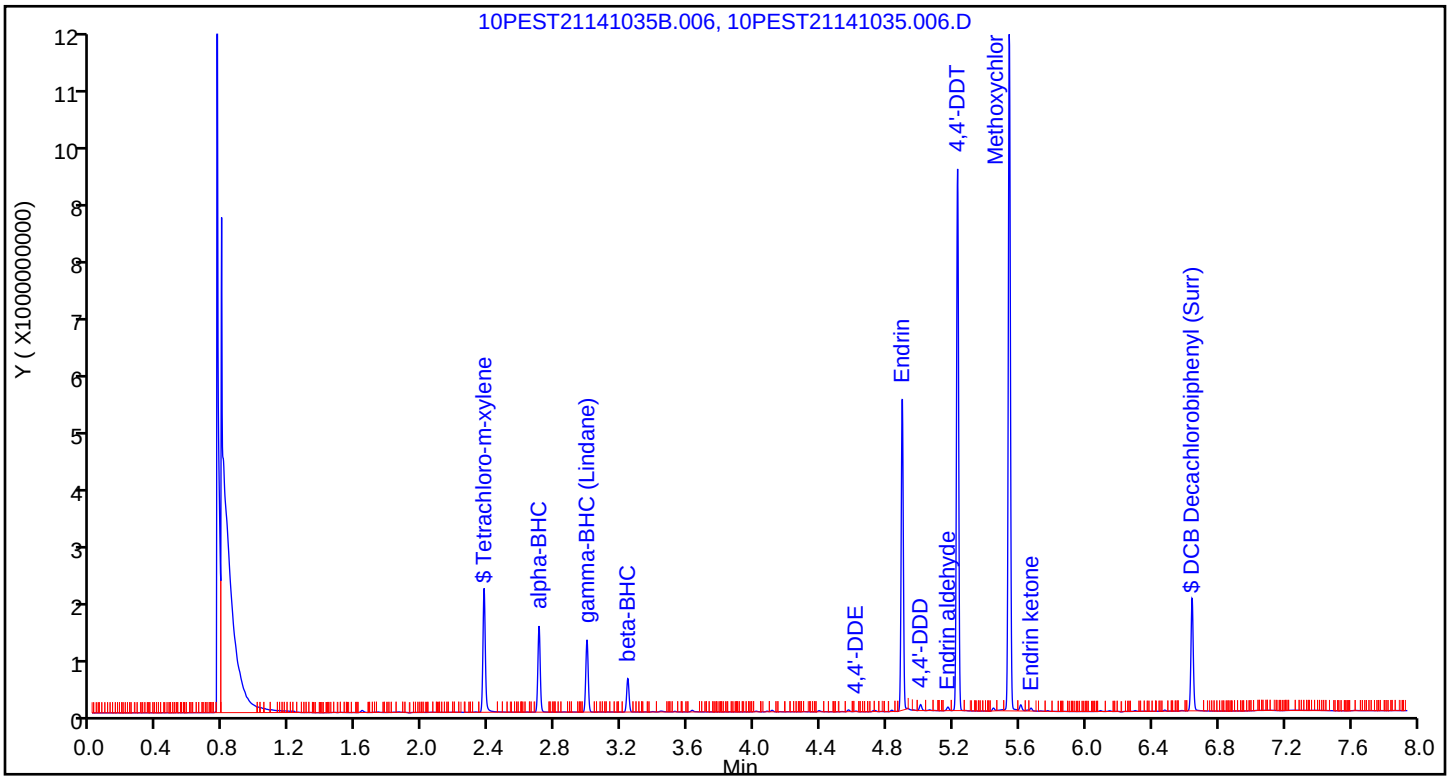
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: PEM 410-140420/6 Calibration Date: 06/22/2021 06:43

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141035.006.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	4.89	4555055741	2.17	15	
Endrin aldehyde	5.17	55404311			
Endrin ketone	5.67	45643935			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
p,p'-DDT	5.23	7836828694	1.30	15	
p,p'-DDD	5.00	95516958			
p,p'-DDE	4.61	8070846			

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.006.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 22-Jun-2021 06:43:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: pem
Operator ID: 492 Instrument ID: 9191
Sublist:

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:23:06 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.822	1.825	-0.003	3278769174H	20.0	19.8	
2	2.368	2.368	0.000	1999264398H	20.0	19.9	
						RPD = 0.61	
3 alpha-BHC							
1	2.227	2.232	-0.005	2493885884H	10.0	10.1	
2	2.700	2.702	-0.002	1390291903H	10.0	9.76	
						RPD = 3.48	
4 gamma-BHC (Lindane)							
1	2.515	2.520	-0.005	2154089699H	10.0	10.0	
2	2.990	2.990	0.000	1158176723H	10.0	9.44	
						RPD = 5.97	
6 beta-BHC							
1	2.717	2.722	-0.005	928311903H	10.0	9.34	
2	3.235	3.237	-0.002	540406926H	10.0	9.22	
						RPD = 1.31	
16 4,4'-DDE							
1	4.053	4.058	-0.005	11195164H		0.0641	
2	4.613	4.615	-0.002	9028919H		0.0778	
						RPD = 19.37	
19 Endrin							E
1	4.400	4.405	-0.005	7766274614H	50.1	47.8	E
2	4.892	4.893	-0.001	5013119337H	50.1	47.3	E
						RPD = 0.96	
22 4,4'-DDD							
1	4.513	4.518	-0.005	130519411H		0.9546	
2	5.003	5.005	-0.002	97182219H		1.04	
						RPD = 8.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 4,4'-DDT							E
1	4.722	4.728	-0.006	13012745709H	100.1	99.2	E
2	5.227	5.228	-0.001	8738334898H	100.1	100.6	E
						RPD = 1.42	
25 Endrin aldehyde							
1	4.787	4.792	-0.005	25360130H		0.1865	
2	5.168	5.170	-0.002	57462719H		0.6858	
						RPD = 114.50	
28 Methoxychlor							E
1	5.230	5.235	-0.005	15066103606H	250.2	225.7	E
2	5.538	5.542	-0.004	10914964335H	250.2	238.3	E
						RPD = 5.43	
29 Endrin ketone							
1	5.368	5.375	-0.007	76108419H		0.4561	
2	5.670	5.672	-0.002	47173586H		0.4497	
						RPD = 1.41	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.130	6.137	-0.007	3455627751H	20.0	19.9	
2	6.642	6.645	-0.003	1815748569H	20.0	21.0	
						RPD = 5.02	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

H - Response Measured by Height

Reagents:

GCS_PESTEVALV_00004 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:23:10 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.006.D

Injection Date: 22-Jun-2021 06:43:00 Instrument ID: 9191

Lims ID: pem

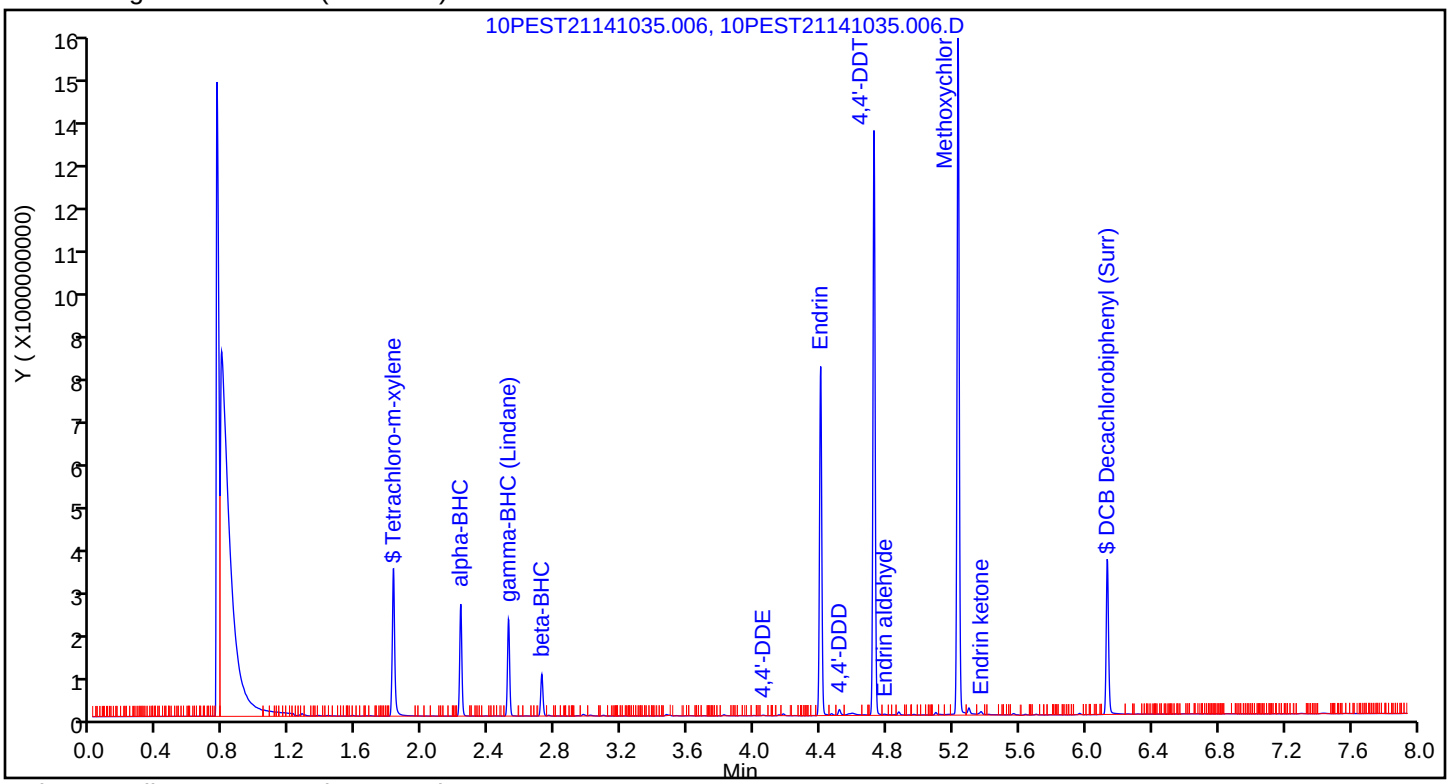
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 6

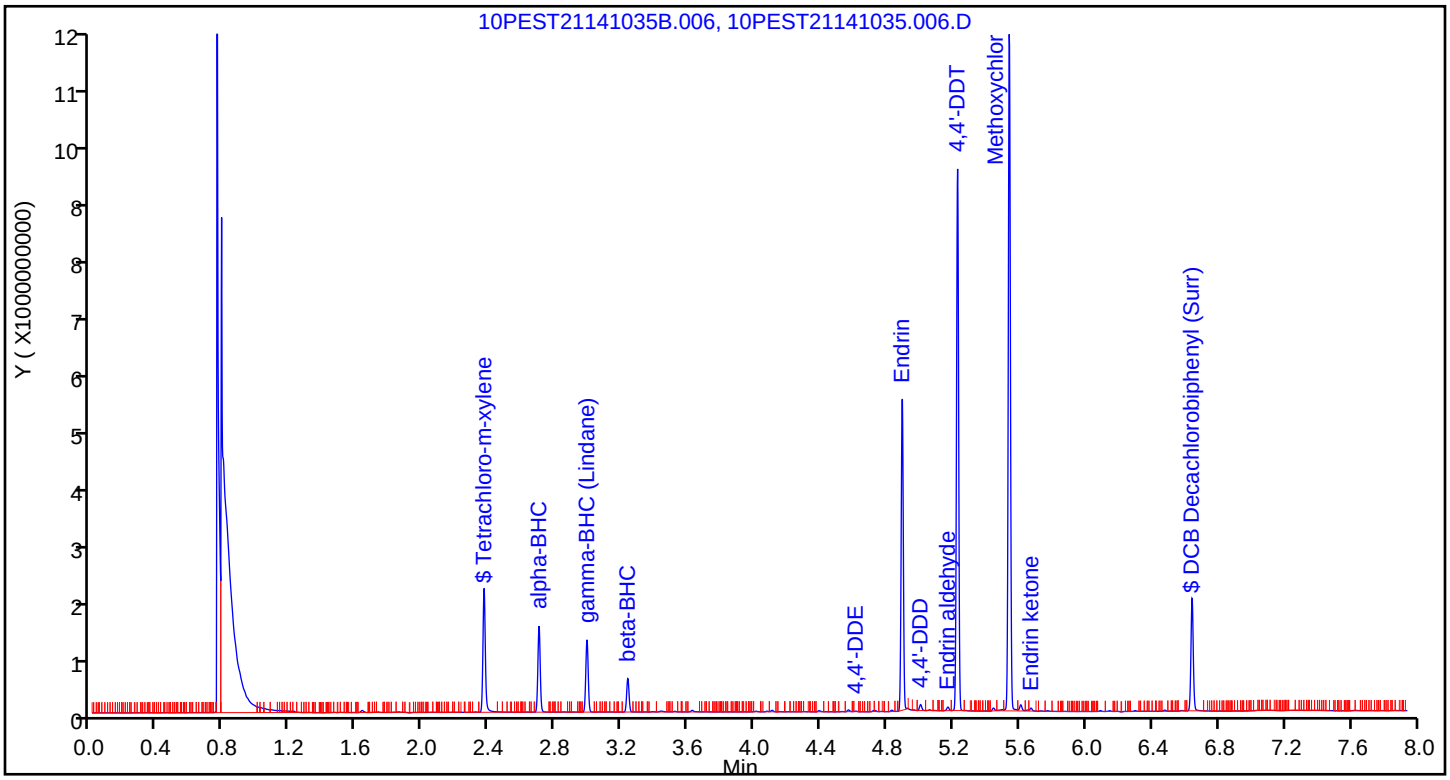
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: ICV 410-140054/10 Calibration Date: 06/21/2021 10:56

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141034.010.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	246842767	253322796		10.3	9.99	2.6	20.0
gamma-BHC (Lindane)	Ave	214988522	217043297		10.1	9.99	1.0	20.0
beta-BHC	Ave	99418961	96132353		9.70	10.0	-3.3	20.0
Heptachlor	Ave	170120463	171097630		10.1	10.0	0.6	20.0
delta-BHC	Ave	209877408	217812425		10.4	10.0	3.8	20.0
Aldrin	Ave	176347197	173958752		9.89	10.0	-1.4	20.0
Heptachlor epoxide	Ave	165883150	160533645		9.70	10.0	-3.2	20.0
gamma-Chlordane	Ave	167523177	164599311		9.82	9.99	-1.7	20.0
alpha-Chlordane	Ave	171837444	165843201		9.66	10.0	-3.5	20.0
Endosulfan I	Ave	161996567	153360784		9.49	10.0	-5.3	20.0
p,p'-DDE	Ave	174666964	169553299		9.73	10.0	-2.9	20.0
Dieldrin	Ave	175370133	166913491		9.41	9.89	-4.8	20.0
Endrin	Ave	162515759	155123950		9.57	10.0	-4.5	20.0
p,p'-DDD	Ave	136729533	127855533		9.29	9.93	-6.5	20.0
Endosulfan II	Ave	158716909	156200067		9.84	10.0	-1.6	20.0
p,p'-DDT	Ave	131234585	128583692		9.78	9.98	-2.0	20.0
Endrin aldehyde	Ave	136013919	129292899		9.50	9.99	-4.9	20.0
Endosulfan sulfate	Ave	160231060	142355030		8.80	9.90	-11.2	20.0
Methoxychlor	Ave	66743385	65991976		49.0	49.5	-1.1	20.0
Endrin ketone	Ave	166860360	160733306		9.65	10.0	-3.7	20.0
Tetrachloro-m-xylene (Surr)	Ave	165391687	165375105		40.0	40.0	-0.0	20.0
DCB Decachlorobiphenyl (Surr)	Ave	173299221	163974729		37.9	40.0	-5.4	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: ICV 410-140054/10 Calibration Date: 06/21/2021 10:56

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141034.010.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.23	2.20	2.26
gamma-BHC (Lindane)	2.52	2.49	2.55
beta-BHC	2.72	2.69	2.75
Heptachlor	2.82	2.79	2.85
delta-BHC	2.97	2.94	3.00
Aldrin	3.10	3.07	3.13
Heptachlor epoxide	3.59	3.56	3.62
gamma-Chlordane	3.79	3.76	3.82
alpha-Chlordane	3.87	3.84	3.90
Endosulfan I	3.92	3.89	3.95
p,p'-DDE	4.05	4.02	4.08
Dieldrin	4.15	4.12	4.18
Endrin	4.40	4.37	4.43
p,p'-DDD	4.52	4.49	4.55
Endosulfan II	4.61	4.58	4.64
p,p'-DDT	4.72	4.69	4.75
Endrin aldehyde	4.79	4.76	4.82
Endosulfan sulfate	4.94	4.91	4.97
Methoxychlor	5.23	5.20	5.26
Endrin ketone	5.37	5.34	5.40
Tetrachloro-m-xylene (Surr)	1.82	1.79	1.85
DCB Decachlorobiphenyl (Surr)	6.13	6.10	6.16

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.010.D
Lims ID: icv mixa
Client ID:
Sample Type: ICV
Inject. Date: 21-Jun-2021 10:56:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv a
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 12:18:32 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.823	0.000	6621619220H	40.0	40.0	
2	2.367	2.367	0.000	4044744715H	40.0	40.4	
						RPD = 0.79	
3 alpha-BHC							
1	2.230	2.230	0.000	2530694734H	10.0	10.3	
2	2.697	2.697	0.000	1431827578H	10.0	10.0	
						RPD = 2.00	
4 gamma-BHC (Lindane)							
1	2.518	2.518	0.000	2168262538H	10.0	10.1	
2	2.987	2.987	0.000	1194105829H	10.0	9.73	
						RPD = 3.57	
6 beta-BHC							
1	2.718	2.718	0.000	964207500H	10.0	9.70	
2	3.233	3.233	0.000	562478310H	10.0	9.59	
						RPD = 1.10	
7 Heptachlor							
1	2.817	2.817	0.000	1714398256H	10.0	10.1	
2	3.538	3.538	0.000	1129377121H	10.0	9.54	
						RPD = 5.46	
8 delta-BHC							
1	2.970	2.970	0.000	2182480499H	10.0	10.4	
2	3.473	3.473	0.000	1325649964H	10.0	10.2	
						RPD = 1.60	
9 Aldrin							
1	3.097	3.097	0.000	1744806282H	10.0	9.89	
2	3.823	3.823	0.000	1098807848H	10.0	9.38	
						RPD = 5.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.588	3.588	0.000	1608547119H	10.0	9.70	
2	4.193	4.193	0.000	1076834560H	10.0	9.89	
						RPD = 1.97	
12 trans-Chlordane							
1	3.790	3.790	0.000	1644347119H	10.0	9.82	
2	4.450	4.450	0.000	1060447438H	10.0	9.18	
						RPD = 6.71	
14 cis-Chlordane							
1	3.872	3.872	0.000	1660090443H	10.0	9.66	
2	4.488	4.488	0.000	1049338802H	10.0	9.27	
						RPD = 4.15	
15 Endosulfan I							
1	3.915	3.915	0.000	1536675056H	10.0	9.49	
2	4.517	4.517	0.000	990074838H	10.0	9.43	
						RPD = 0.59	
16 4,4'-DDE							
1	4.053	4.053	0.000	1698924057H	10.0	9.73	
2	4.612	4.612	0.000	1155190367H	10.0	9.96	
						RPD = 2.36	
17 Dieldrin							
1	4.152	4.152	0.000	1650774427H	9.89	9.41	
2	4.717	4.717	0.000	1030359313H	9.89	9.13	
						RPD = 3.09	
19 Endrin							
1	4.402	4.402	0.000	1555893219H	10.0	9.57	
2	4.890	4.890	0.000	1009804624H	10.0	9.53	
						RPD = 0.41	
20 2,4'-DDT							
1	4.438	4.438	0.000	77815708H		0.8530	
2	4.923	4.923	0.000	38254131H		-0.0966	
						RPD = 251.07	
22 4,4'-DDD							
1	4.515	4.515	0.000	1269605446H	9.93	9.29	
2	5.000	5.000	0.000	792760639H	9.93	8.45	
						RPD = 9.39	
23 Endosulfan II							
1	4.613	4.613	0.000	1562000668H	10.0	9.84	
2	5.088	5.088	0.000	949604998H	10.0	9.69	
						RPD = 1.59	
24 4,4'-DDT							
1	4.723	4.723	0.000	1283265250H	9.98	9.78	
2	5.225	5.225	0.000	859257484H	9.98	9.89	
						RPD = 1.13	
25 Endrin aldehyde							
1	4.788	4.788	0.000	1291636066H	10.0	9.50	
2	5.168	5.168	0.000	786153316H	10.0	9.38	
						RPD = 1.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 Endosulfan sulfate							
1	4.940	4.940	0.000	1409314801H	9.90	8.80	
2	5.373	5.373	0.000	862176847H	9.90	8.71	
						RPD = 0.92	
28 Methoxychlor							
1	5.232	5.232	0.000	3267922630H	49.5	49.0	
2	5.538	5.538	0.000	2208032502H	49.5	48.2	
						RPD = 1.55	
29 Endrin ketone							
1	5.372	5.372	0.000	1610547723H	10.0	9.65	
2	5.668	5.668	0.000	969358639H	10.0	9.24	
						RPD = 4.35	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.133	6.133	0.000	6562268654H	40.0	37.9	
2	6.642	6.642	0.000	3249655481H	40.0	37.5	
						RPD = 0.91	
S 32 Total DDTs							
1						9.79	
2						10.6	
						RPD = 8.21	
S 33 Endosulfan, Total							
1						19.1	
2						19.3	
						RPD = 1.10	

Reagents:

GCS_MIXAICV_00005 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 12:18:32 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.010.D

Injection Date: 21-Jun-2021 10:56:00 Instrument ID: 9191

Lims ID: icv mixa

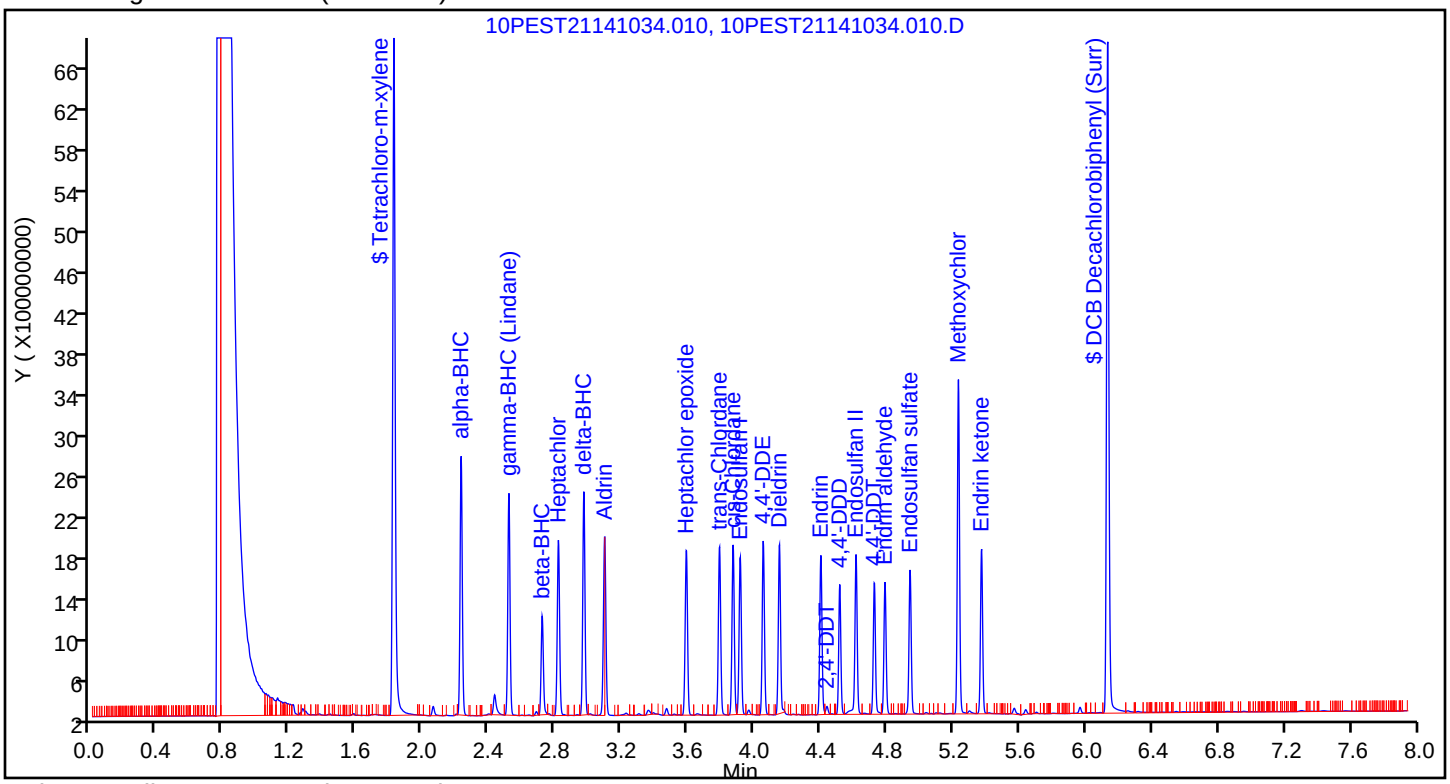
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 10

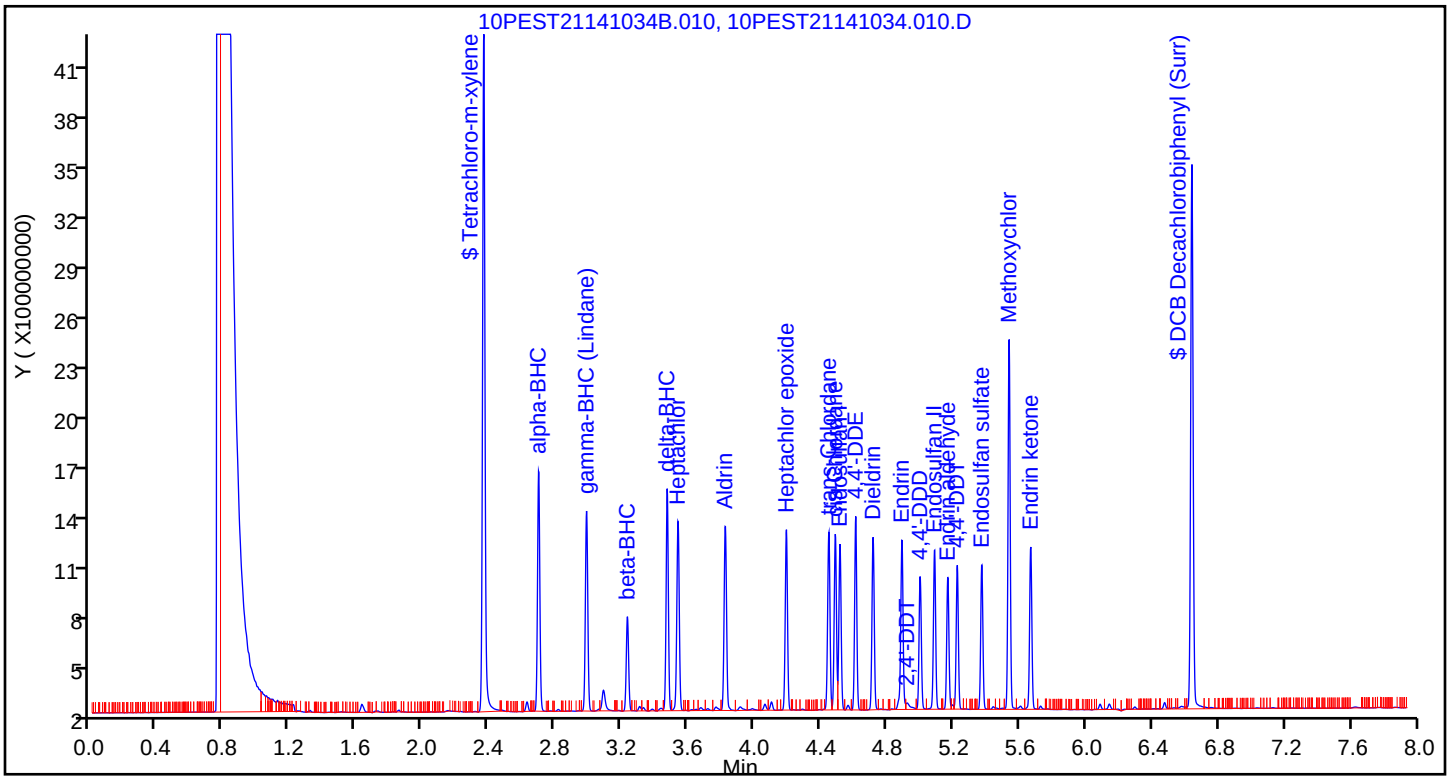
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: ICV 410-140054/10 Calibration Date: 06/21/2021 10:56

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141034.010.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	142485362	143326084		10.0	9.99	0.6	20.0
gamma-BHC (Lindane)	Ave	122706715	119530113		9.73	9.99	-2.6	20.0
beta-BHC	Ave	58637084	56079592		9.59	10.0	-4.4	20.0
delta-BHC	Ave	129531522	132300396		10.2	10.0	2.1	20.0
Heptachlor	Ave	118356750	112712288		9.54	10.0	-4.8	20.0
Aldrin	Ave	117166463	109552128		9.38	10.0	-6.5	20.0
Heptachlor epoxide	Ave	108885225	107468519		9.89	10.0	-1.3	20.0
gamma-Chlordane	Ave	115543038	106150895		9.18	9.99	-8.1	20.0
alpha-Chlordane	Ave	113222536	104829051		9.27	10.0	-7.4	20.0
Endosulfan I	Ave	104996304	98809864		9.43	10.0	-5.9	20.0
p,p'-DDE	Ave	115992049	115288460		9.96	10.0	-0.6	20.0
Dieldrin	Ave	112896358	104181933		9.13	9.89	-7.7	20.0
Endrin	Ave	105911772	100678427		9.53	10.0	-4.9	20.0
p,p'-DDD	Ave	93784757	79834908		8.45	9.93	-14.9	20.0
Endosulfan II	Ave	98036987	94960500		9.69	10.0	-3.1	20.0
Endrin aldehyde	Ave	83788106	78694026		9.38	9.99	-6.1	20.0
p,p'-DDT	Ave	86886357	86097944		9.89	9.98	-0.9	20.0
Endosulfan sulfate	Ave	98930685	87088570		8.71	9.90	-12.0	20.0
Methoxychlor	Ave	45798899	44588702		48.2	49.5	-2.6	20.0
Endrin ketone	Ave	104891914	96742379		9.24	10.0	-7.8	20.0
Tetrachloro-m-xylene (Surr)	Ave	100234501	101017600		40.4	40.0	0.8	20.0
DCB Decachlorobiphenyl (Surr)	Ave	86598621	81200787		37.5	40.0	-6.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: ICV 410-140054/10 Calibration Date: 06/21/2021 10:56

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141034.010.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.70	2.67	2.73
gamma-BHC (Lindane)	2.99	2.96	3.02
beta-BHC	3.23	3.20	3.26
delta-BHC	3.47	3.44	3.50
Heptachlor	3.54	3.51	3.57
Aldrin	3.82	3.79	3.85
Heptachlor epoxide	4.19	4.16	4.22
gamma-Chlordane	4.45	4.42	4.48
alpha-Chlordane	4.49	4.46	4.52
Endosulfan I	4.52	4.49	4.55
p,p'-DDE	4.61	4.58	4.64
Dieldrin	4.72	4.69	4.75
Endrin	4.89	4.86	4.92
p,p'-DDD	5.00	4.97	5.03
Endosulfan II	5.09	5.06	5.12
Endrin aldehyde	5.17	5.14	5.20
p,p'-DDT	5.23	5.20	5.26
Endosulfan sulfate	5.37	5.34	5.40
Methoxychlor	5.54	5.51	5.57
Endrin ketone	5.67	5.64	5.70
Tetrachloro-m-xylene (Surr)	2.37	2.34	2.40
DCB Decachlorobiphenyl (Surr)	6.64	6.61	6.67

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.010.D
Lims ID: icv mixa
Client ID:
Sample Type: ICV
Inject. Date: 21-Jun-2021 10:56:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv a
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 21-Jun-2021 12:18:32 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1638

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.823	0.000	6621619220H	40.0	40.0	
2	2.367	2.367	0.000	4044744715H	40.0	40.4	
						RPD = 0.79	
3 alpha-BHC							
1	2.230	2.230	0.000	2530694734H	10.0	10.3	
2	2.697	2.697	0.000	1431827578H	10.0	10.0	
						RPD = 2.00	
4 gamma-BHC (Lindane)							
1	2.518	2.518	0.000	2168262538H	10.0	10.1	
2	2.987	2.987	0.000	1194105829H	10.0	9.73	
						RPD = 3.57	
6 beta-BHC							
1	2.718	2.718	0.000	964207500H	10.0	9.70	
2	3.233	3.233	0.000	562478310H	10.0	9.59	
						RPD = 1.10	
7 Heptachlor							
1	2.817	2.817	0.000	1714398256H	10.0	10.1	
2	3.538	3.538	0.000	1129377121H	10.0	9.54	
						RPD = 5.46	
8 delta-BHC							
1	2.970	2.970	0.000	2182480499H	10.0	10.4	
2	3.473	3.473	0.000	1325649964H	10.0	10.2	
						RPD = 1.60	
9 Aldrin							
1	3.097	3.097	0.000	1744806282H	10.0	9.89	
2	3.823	3.823	0.000	1098807848H	10.0	9.38	
						RPD = 5.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.588	3.588	0.000	1608547119H	10.0	9.70	
2	4.193	4.193	0.000	1076834560H	10.0	9.89	
						RPD = 1.97	
12 trans-Chlordane							
1	3.790	3.790	0.000	1644347119H	10.0	9.82	
2	4.450	4.450	0.000	1060447438H	10.0	9.18	
						RPD = 6.71	
14 cis-Chlordane							
1	3.872	3.872	0.000	1660090443H	10.0	9.66	
2	4.488	4.488	0.000	1049338802H	10.0	9.27	
						RPD = 4.15	
15 Endosulfan I							
1	3.915	3.915	0.000	1536675056H	10.0	9.49	
2	4.517	4.517	0.000	990074838H	10.0	9.43	
						RPD = 0.59	
16 4,4'-DDE							
1	4.053	4.053	0.000	1698924057H	10.0	9.73	
2	4.612	4.612	0.000	1155190367H	10.0	9.96	
						RPD = 2.36	
17 Dieldrin							
1	4.152	4.152	0.000	1650774427H	9.89	9.41	
2	4.717	4.717	0.000	1030359313H	9.89	9.13	
						RPD = 3.09	
19 Endrin							
1	4.402	4.402	0.000	1555893219H	10.0	9.57	
2	4.890	4.890	0.000	1009804624H	10.0	9.53	
						RPD = 0.41	
20 2,4'-DDT							
1	4.438	4.438	0.000	77815708H		0.8530	
2	4.923	4.923	0.000	38254131H		-0.0966	
						RPD = 251.07	
22 4,4'-DDD							
1	4.515	4.515	0.000	1269605446H	9.93	9.29	
2	5.000	5.000	0.000	792760639H	9.93	8.45	
						RPD = 9.39	
23 Endosulfan II							
1	4.613	4.613	0.000	1562000668H	10.0	9.84	
2	5.088	5.088	0.000	949604998H	10.0	9.69	
						RPD = 1.59	
24 4,4'-DDT							
1	4.723	4.723	0.000	1283265250H	9.98	9.78	
2	5.225	5.225	0.000	859257484H	9.98	9.89	
						RPD = 1.13	
25 Endrin aldehyde							
1	4.788	4.788	0.000	1291636066H	10.0	9.50	
2	5.168	5.168	0.000	786153316H	10.0	9.38	
						RPD = 1.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 Endosulfan sulfate							
1	4.940	4.940	0.000	1409314801H	9.90	8.80	
2	5.373	5.373	0.000	862176847H	9.90	8.71	
						RPD = 0.92	
28 Methoxychlor							
1	5.232	5.232	0.000	3267922630H	49.5	49.0	
2	5.538	5.538	0.000	2208032502H	49.5	48.2	
						RPD = 1.55	
29 Endrin ketone							
1	5.372	5.372	0.000	1610547723H	10.0	9.65	
2	5.668	5.668	0.000	969358639H	10.0	9.24	
						RPD = 4.35	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.133	6.133	0.000	6562268654H	40.0	37.9	
2	6.642	6.642	0.000	3249655481H	40.0	37.5	
						RPD = 0.91	
S 32 Total DDTs							
1						9.79	
2						10.6	
						RPD = 8.21	
S 33 Endosulfan, Total							
1						19.1	
2						19.3	
						RPD = 1.10	

Reagents:

GCS_MIXAICV_00005 Amount Added: 1.00 Units: mL

Report Date: 21-Jun-2021 12:18:33 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.010.D

Injection Date: 21-Jun-2021 10:56:00 Instrument ID: 9191

Lims ID: icv mixa

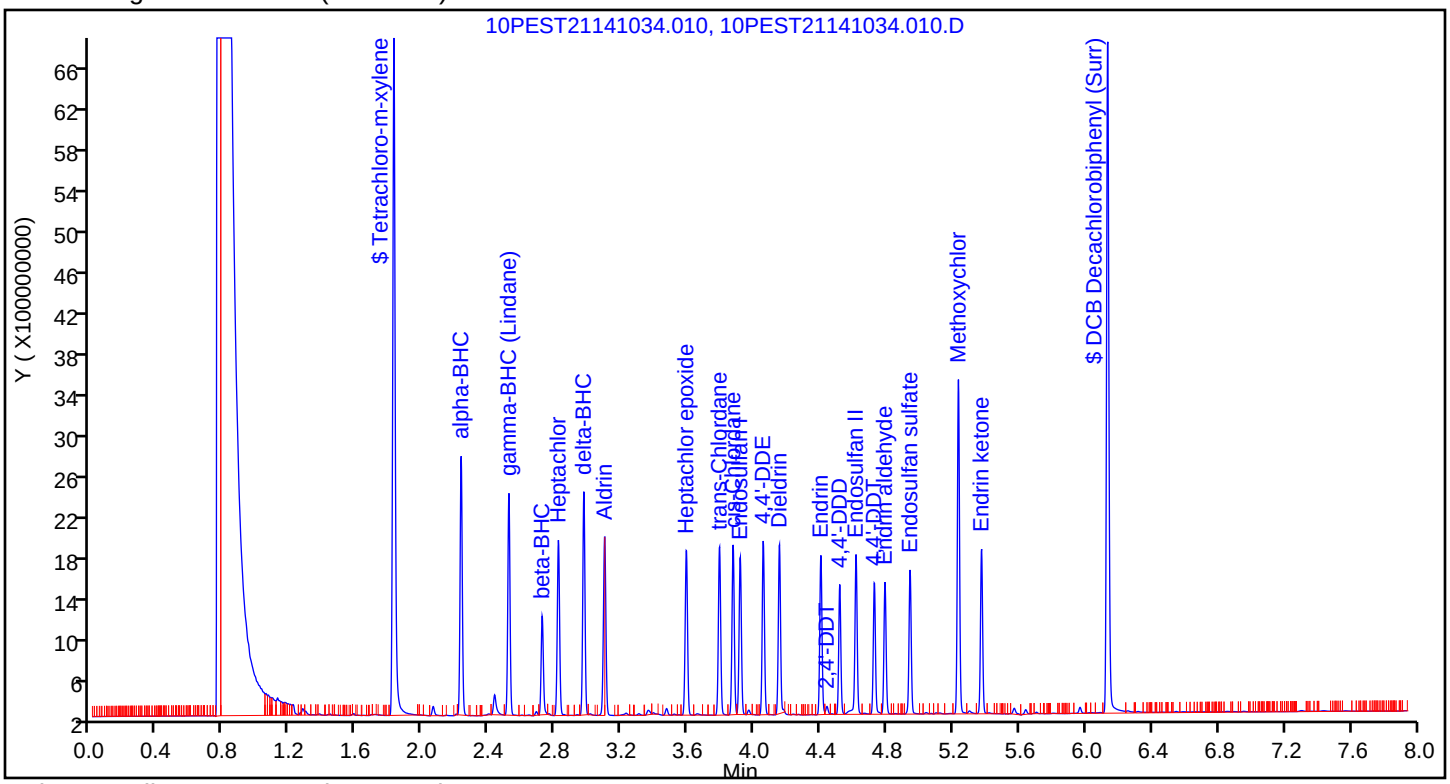
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 10

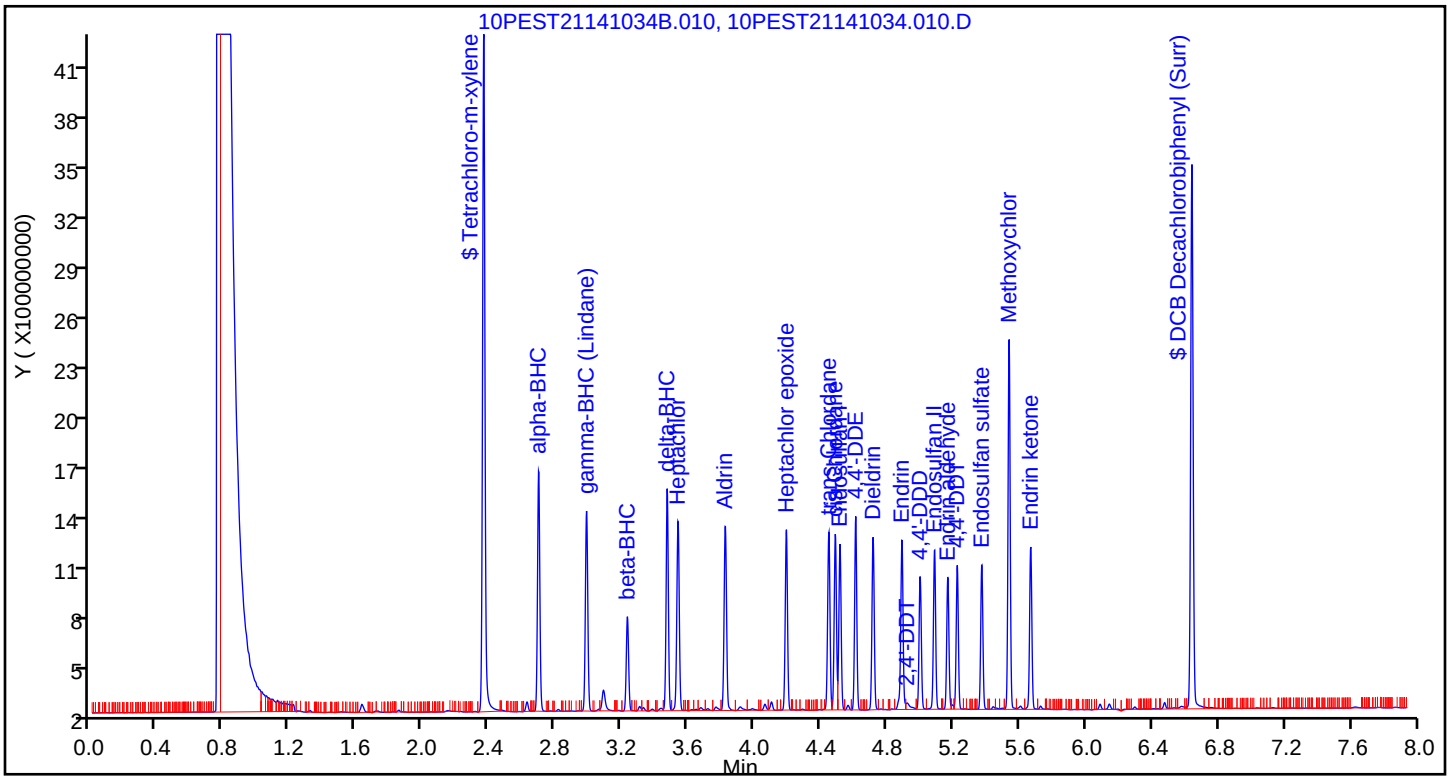
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: CCVRT 410-140420/3 Calibration Date: 06/22/2021 06:07

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141035.003.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	246842767	242391978		9.94	10.1	-1.8	20.0
gamma-BHC (Lindane)	Ave	214988522	206835600		9.62	10.0	-3.8	20.0
beta-BHC	Ave	99418961	91212855		9.17	10.0	-8.3	20.0
Heptachlor	Ave	170120463	157698428		9.27	10.0	-7.3	20.0
delta-BHC	Ave	209877408	200242115		9.54	10.0	-4.6	20.0
Aldrin	Ave	176347197	166368451		9.43	10.0	-5.7	20.0
Heptachlor epoxide	Ave	165883150	154098343		9.41	10.1	-7.1	20.0
gamma-Chlordane	Ave	167523177	156435841		9.34	10.0	-6.6	20.0
alpha-Chlordane	Ave	171837444	161242473		9.38	10.0	-6.2	20.0
Endosulfan I	Ave	161996567	150862583		9.31	10.0	-6.9	20.0
p,p'-DDE	Ave	174666964	169361316		19.4	20.0	-3.0	20.0
Dieldrin	Ave	175370133	169405267		19.3	20.0	-3.4	20.0
Endrin	Ave	162515759	151909198		18.7	20.0	-6.5	20.0
p,p'-DDD	Ave	136729533	135593316		20.0	20.1	-0.8	20.0
Endosulfan II	Ave	158716909	145004768		18.3	20.0	-8.6	20.0
p,p'-DDT	Ave	131234585	119230331		18.3	20.1	-9.1	20.0
Endrin aldehyde	Ave	136013919	123805051		18.2	20.0	-9.0	20.0
Endosulfan sulfate	Ave	160231060	152208252		19.0	20.0	-5.0	20.0
Methoxychlor	Ave	66743385	59044422		88.5	100	-11.5	20.0
Endrin ketone	Ave	166860360	161367108		19.3	20.0	-3.3	20.0
Tetrachloro-m-xylene (Surr)	Ave	165391687	155276208		37.6	40.0	-6.1	20.0
DCB Decachlorobiphenyl (Surr)	Ave	173299221	162616668		37.6	40.0	-6.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: CCVRT 410-140420/3 Calibration Date: 06/22/2021 06:07

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141035.003.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.23	2.20	2.26
gamma-BHC (Lindane)	2.52	2.49	2.55
beta-BHC	2.72	2.69	2.75
Heptachlor	2.82	2.79	2.85
delta-BHC	2.97	2.94	3.00
Aldrin	3.10	3.07	3.13
Heptachlor epoxide	3.59	3.56	3.62
gamma-Chlordane	3.79	3.76	3.82
alpha-Chlordane	3.88	3.85	3.91
Endosulfan I	3.92	3.89	3.95
p,p'-DDE	4.06	4.03	4.09
Dieldrin	4.16	4.13	4.19
Endrin	4.41	4.38	4.44
p,p'-DDD	4.52	4.49	4.55
Endosulfan II	4.62	4.59	4.65
p,p'-DDT	4.73	4.70	4.76
Endrin aldehyde	4.79	4.76	4.82
Endosulfan sulfate	4.94	4.91	4.97
Methoxychlor	5.24	5.21	5.27
Endrin ketone	5.38	5.35	5.41
Tetrachloro-m-xylene (Surr)	1.83	1.80	1.86
DCB Decachlorobiphenyl (Surr)	6.14	6.11	6.17

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.003.D
Lims ID: ccvrt mixa
Client ID:
Sample Type: CCVRT
Inject. Date: 22-Jun-2021 06:07:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv a
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:22:56 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.825	1.825	0.000	6217259372H	40.0	37.6	
2	2.368	2.368	0.000	4060393527H	40.0	40.5	
						RPD = 7.47	
3 alpha-BHC							
1	2.232	2.232	0.000	2454218773H	10.1	9.94	
2	2.702	2.702	0.000	1459167983H	10.1	10.2	
						RPD = 2.96	
4 gamma-BHC (Lindane)							
1	2.520	2.520	0.000	2068356002H	10.0	9.62	
2	2.990	2.990	0.000	1211023676H	10.0	9.87	
						RPD = 2.55	
6 beta-BHC							
1	2.722	2.722	0.000	912128546H	10.0	9.17	
2	3.237	3.237	0.000	559999352H	10.0	9.55	
						RPD = 4.01	
7 Heptachlor							
1	2.820	2.820	0.000	1576984279H	10.0	9.27	
2	3.543	3.543	0.000	1119440309H	10.0	9.46	
						RPD = 2.01	
8 delta-BHC							
1	2.973	2.973	0.000	2002421153H	10.0	9.54	
2	3.477	3.477	0.000	1341880580H	10.0	10.4	
						RPD = 8.23	
9 Aldrin							
1	3.100	3.100	0.000	1663684511H	10.0	9.43	
2	3.828	3.828	0.000	1147416232H	10.0	9.79	
						RPD = 3.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.592	3.592	0.000	1560245725H	10.1	9.41	
2	4.197	4.197	0.000	1093011636H	10.1	10.0	
						RPD = 6.51	
12 trans-Chlordane							
1	3.793	3.793	0.000	1564358409H	10.0	9.34	
2	4.453	4.453	0.000	1115148982H	10.0	9.65	
						RPD = 3.30	
14 cis-Chlordane							
1	3.875	3.875	0.000	1612424727H	10.0	9.38	
2	4.492	4.492	0.000	1101440896H	10.0	9.73	
						RPD = 3.61	
15 Endosulfan I							
1	3.918	3.918	0.000	1508625830H	10.0	9.31	
2	4.520	4.520	0.000	1032168636H	10.0	9.83	
						RPD = 5.41	
16 4,4'-DDE							
1	4.058	4.058	0.000	3387226328H	20.0	19.4	
2	4.615	4.615	0.000	2274878332H	20.0	19.6	
						RPD = 1.13	
17 Dieldrin							
1	4.155	4.155	0.000	3388105345H	20.0	19.3	
2	4.720	4.720	0.000	2200870659H	20.0	19.5	
						RPD = 0.90	
19 Endrin							
1	4.405	4.405	0.000	3038183964H	20.0	18.7	
2	4.893	4.893	0.000	2029319236H	20.0	19.2	
						RPD = 2.46	
22 4,4'-DDD							
1	4.518	4.518	0.000	2728815480H	20.1	20.0	
2	5.005	5.005	0.000	1870058630H	20.1	19.9	
						RPD = 0.09	
23 Endosulfan II							
1	4.617	4.617	0.000	2900095358H	20.0	18.3	
2	5.090	5.090	0.000	1924615195H	20.0	19.6	
						RPD = 7.17	
24 4,4'-DDT							
1	4.728	4.728	0.000	2399510419H	20.1	18.3	
2	5.228	5.228	0.000	1662988041H	20.1	19.1	
						RPD = 4.57	
25 Endrin aldehyde							
1	4.792	4.792	0.000	2476101013H	20.0	18.2	
2	5.170	5.170	0.000	1616385792H	20.0	19.3	
						RPD = 5.80	
26 Endosulfan sulfate							
1	4.943	4.943	0.000	3044165048H	20.0	19.0	
2	5.377	5.377	0.000	1856445549H	20.0	18.8	
						RPD = 1.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.235	5.235	0.000	5904442186H	100.0	88.5	
2	5.542	5.542	0.000	4506818378H	100.0	98.4	
						RPD = 10.64	
29 Endrin ketone							
1	5.375	5.375	0.000	3227342154H	20.0	19.3	
2	5.672	5.672	0.000	2017819933H	20.0	19.2	
						RPD = 0.54	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.137	6.137	0.000	6507919058H	40.0	37.6	
2	6.645	6.645	0.000	3545675200H	40.0	40.9	
						RPD = 8.64	

Reagents:

gcs_mixa4dil_00001 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:22:56 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.003.D

Injection Date: 22-Jun-2021 06:07:00 Instrument ID: 9191

Lims ID: ccvrt mixa

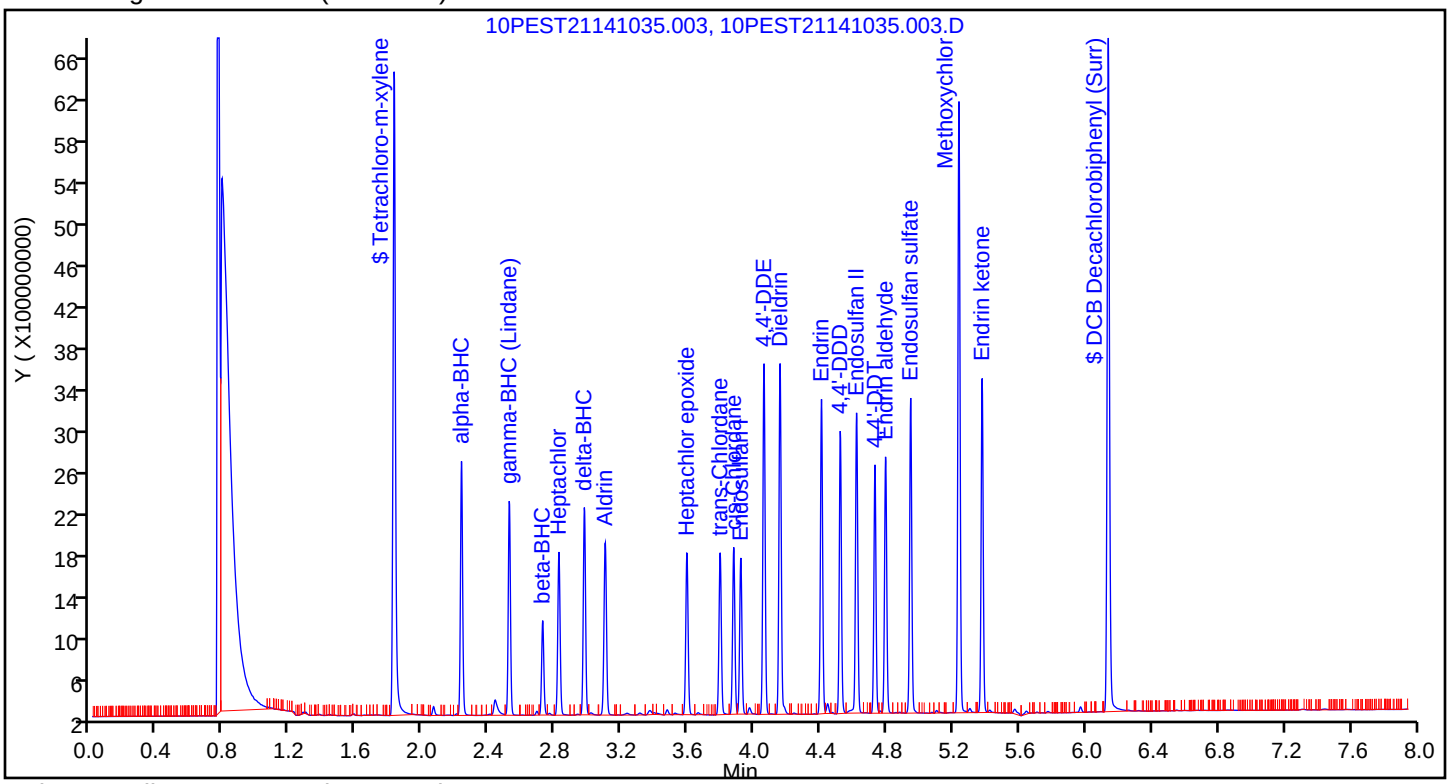
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



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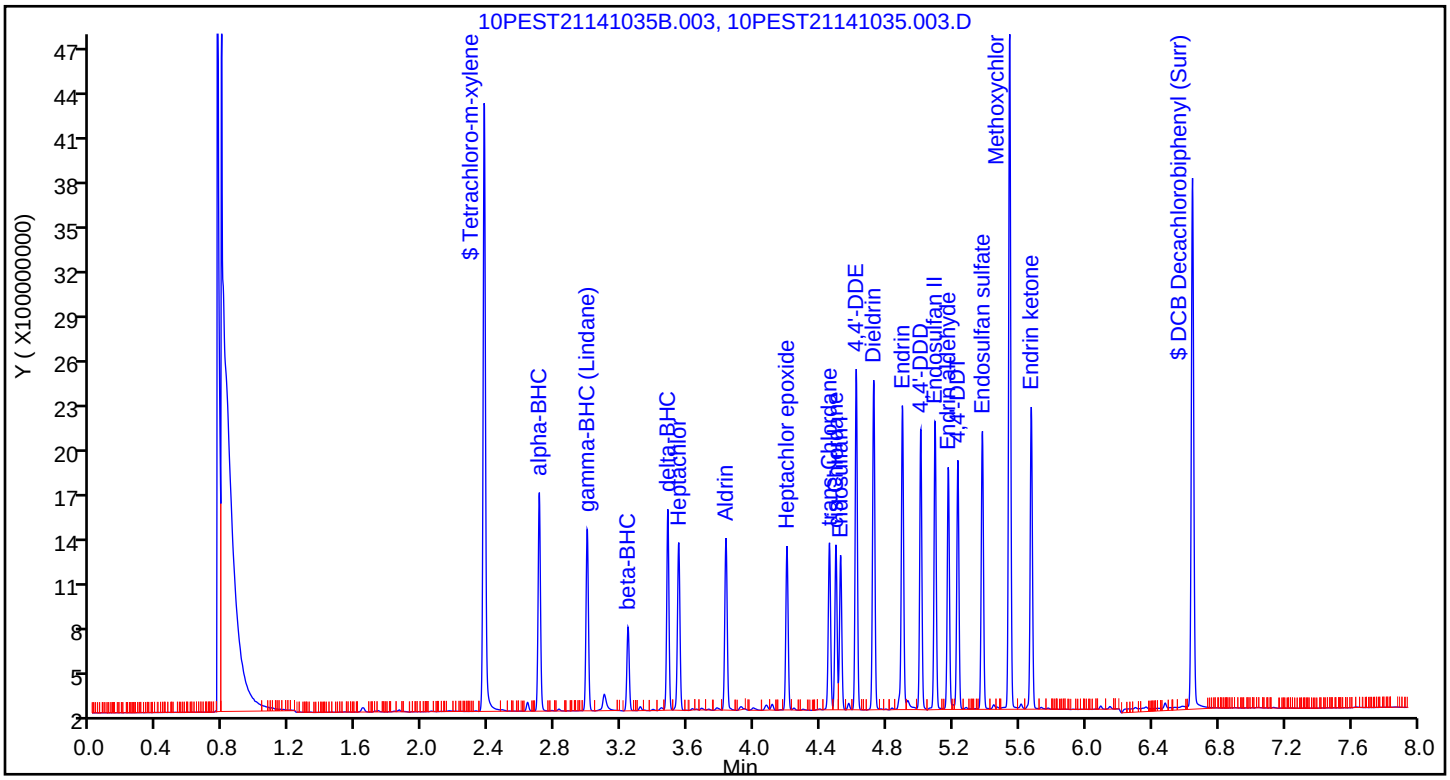


FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: CCVRT 410-140420/3 Calibration Date: 06/22/2021 06:07

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141035.003.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	142485362	144115356		10.2	10.1	1.1	20.0
gamma-BHC (Lindane)	Ave	122706715	121102368		9.87	10.0	-1.3	20.0
beta-BHC	Ave	58637084	55999935		9.55	10.0	-4.5	20.0
delta-BHC	Ave	129531522	134188058		10.4	10.0	3.6	20.0
Heptachlor	Ave	118356750	111944031		9.46	10.0	-5.4	20.0
Aldrin	Ave	117166463	114741623		9.79	10.0	-2.1	20.0
Heptachlor epoxide	Ave	108885225	107951767		10.0	10.1	-0.9	20.0
gamma-Chlordane	Ave	115543038	111514898		9.65	10.0	-3.5	20.0
alpha-Chlordane	Ave	113222536	110144090		9.73	10.0	-2.7	20.0
Endosulfan I	Ave	104996304	103216864		9.83	10.0	-1.7	20.0
p,p'-DDE	Ave	115992049	113743917		19.6	20.0	-1.9	20.0
Dieldrin	Ave	112896358	110043533		19.5	20.0	-2.5	20.0
Endrin	Ave	105911772	101465962		19.2	20.0	-4.2	20.0
p,p'-DDD	Ave	93784757	92922168		19.9	20.1	-0.9	20.0
Endosulfan II	Ave	98036987	96230760		19.6	20.0	-1.8	20.0
Endrin aldehyde	Ave	83788106	80819290		19.3	20.0	-3.5	20.0
p,p'-DDT	Ave	86886357	82632946		19.1	20.1	-4.9	20.0
Endosulfan sulfate	Ave	98930685	92822277		18.8	20.0	-6.2	20.0
Methoxychlor	Ave	45798899	45068184		98.4	100	-1.6	20.0
Endrin ketone	Ave	104891914	100890997		19.2	20.0	-3.8	20.0
Tetrachloro-m-xylene (Surr)	Ave	100234501	101408430		40.5	40.0	1.2	20.0
DCB Decachlorobiphenyl (Surr)	Ave	86598621	88597581		40.9	40.0	2.3	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: CCVRT 410-140420/3 Calibration Date: 06/22/2021 06:07

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141035.003.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.70	2.67	2.73
gamma-BHC (Lindane)	2.99	2.96	3.02
beta-BHC	3.24	3.21	3.27
delta-BHC	3.48	3.45	3.51
Heptachlor	3.54	3.51	3.57
Aldrin	3.83	3.80	3.86
Heptachlor epoxide	4.20	4.17	4.23
gamma-Chlordane	4.45	4.42	4.48
alpha-Chlordane	4.49	4.46	4.52
Endosulfan I	4.52	4.49	4.55
p,p'-DDE	4.62	4.59	4.65
Dieldrin	4.72	4.69	4.75
Endrin	4.89	4.86	4.92
p,p'-DDD	5.01	4.98	5.04
Endosulfan II	5.09	5.06	5.12
Endrin aldehyde	5.17	5.14	5.20
p,p'-DDT	5.23	5.20	5.26
Endosulfan sulfate	5.38	5.35	5.41
Methoxychlor	5.54	5.51	5.57
Endrin ketone	5.67	5.64	5.70
Tetrachloro-m-xylene (Surr)	2.37	2.34	2.40
DCB Decachlorobiphenyl (Surr)	6.65	6.62	6.68

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.003.D
Lims ID: ccvrt mixa
Client ID:
Sample Type: CCVRT
Inject. Date: 22-Jun-2021 06:07:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv a
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:22:56 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.825	1.825	0.000	6217259372H	40.0	37.6	
2	2.368	2.368	0.000	4060393527H	40.0	40.5	
						RPD = 7.47	
3 alpha-BHC							
1	2.232	2.232	0.000	2454218773H	10.1	9.94	
2	2.702	2.702	0.000	1459167983H	10.1	10.2	
						RPD = 2.96	
4 gamma-BHC (Lindane)							
1	2.520	2.520	0.000	2068356002H	10.0	9.62	
2	2.990	2.990	0.000	1211023676H	10.0	9.87	
						RPD = 2.55	
6 beta-BHC							
1	2.722	2.722	0.000	912128546H	10.0	9.17	
2	3.237	3.237	0.000	559999352H	10.0	9.55	
						RPD = 4.01	
7 Heptachlor							
1	2.820	2.820	0.000	1576984279H	10.0	9.27	
2	3.543	3.543	0.000	1119440309H	10.0	9.46	
						RPD = 2.01	
8 delta-BHC							
1	2.973	2.973	0.000	2002421153H	10.0	9.54	
2	3.477	3.477	0.000	1341880580H	10.0	10.4	
						RPD = 8.23	
9 Aldrin							
1	3.100	3.100	0.000	1663684511H	10.0	9.43	
2	3.828	3.828	0.000	1147416232H	10.0	9.79	
						RPD = 3.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.592	3.592	0.000	1560245725H	10.1	9.41	
2	4.197	4.197	0.000	1093011636H	10.1	10.0	
						RPD = 6.51	
12 trans-Chlordane							
1	3.793	3.793	0.000	1564358409H	10.0	9.34	
2	4.453	4.453	0.000	1115148982H	10.0	9.65	
						RPD = 3.30	
14 cis-Chlordane							
1	3.875	3.875	0.000	1612424727H	10.0	9.38	
2	4.492	4.492	0.000	1101440896H	10.0	9.73	
						RPD = 3.61	
15 Endosulfan I							
1	3.918	3.918	0.000	1508625830H	10.0	9.31	
2	4.520	4.520	0.000	1032168636H	10.0	9.83	
						RPD = 5.41	
16 4,4'-DDE							
1	4.058	4.058	0.000	3387226328H	20.0	19.4	
2	4.615	4.615	0.000	2274878332H	20.0	19.6	
						RPD = 1.13	
17 Dieldrin							
1	4.155	4.155	0.000	3388105345H	20.0	19.3	
2	4.720	4.720	0.000	2200870659H	20.0	19.5	
						RPD = 0.90	
19 Endrin							
1	4.405	4.405	0.000	3038183964H	20.0	18.7	
2	4.893	4.893	0.000	2029319236H	20.0	19.2	
						RPD = 2.46	
22 4,4'-DDD							
1	4.518	4.518	0.000	2728815480H	20.1	20.0	
2	5.005	5.005	0.000	1870058630H	20.1	19.9	
						RPD = 0.09	
23 Endosulfan II							
1	4.617	4.617	0.000	2900095358H	20.0	18.3	
2	5.090	5.090	0.000	1924615195H	20.0	19.6	
						RPD = 7.17	
24 4,4'-DDT							
1	4.728	4.728	0.000	2399510419H	20.1	18.3	
2	5.228	5.228	0.000	1662988041H	20.1	19.1	
						RPD = 4.57	
25 Endrin aldehyde							
1	4.792	4.792	0.000	2476101013H	20.0	18.2	
2	5.170	5.170	0.000	1616385792H	20.0	19.3	
						RPD = 5.80	
26 Endosulfan sulfate							
1	4.943	4.943	0.000	3044165048H	20.0	19.0	
2	5.377	5.377	0.000	1856445549H	20.0	18.8	
						RPD = 1.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.235	5.235	0.000	5904442186H	100.0	88.5	
2	5.542	5.542	0.000	4506818378H	100.0	98.4	
						RPD = 10.64	
29 Endrin ketone							
1	5.375	5.375	0.000	3227342154H	20.0	19.3	
2	5.672	5.672	0.000	2017819933H	20.0	19.2	
						RPD = 0.54	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.137	6.137	0.000	6507919058H	40.0	37.6	
2	6.645	6.645	0.000	3545675200H	40.0	40.9	
						RPD = 8.64	

Reagents:

gcs_mixa4dil_00001 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:22:56 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.003.D

Injection Date: 22-Jun-2021 06:07:00 Instrument ID: 9191

Lims ID: ccvrt mixa

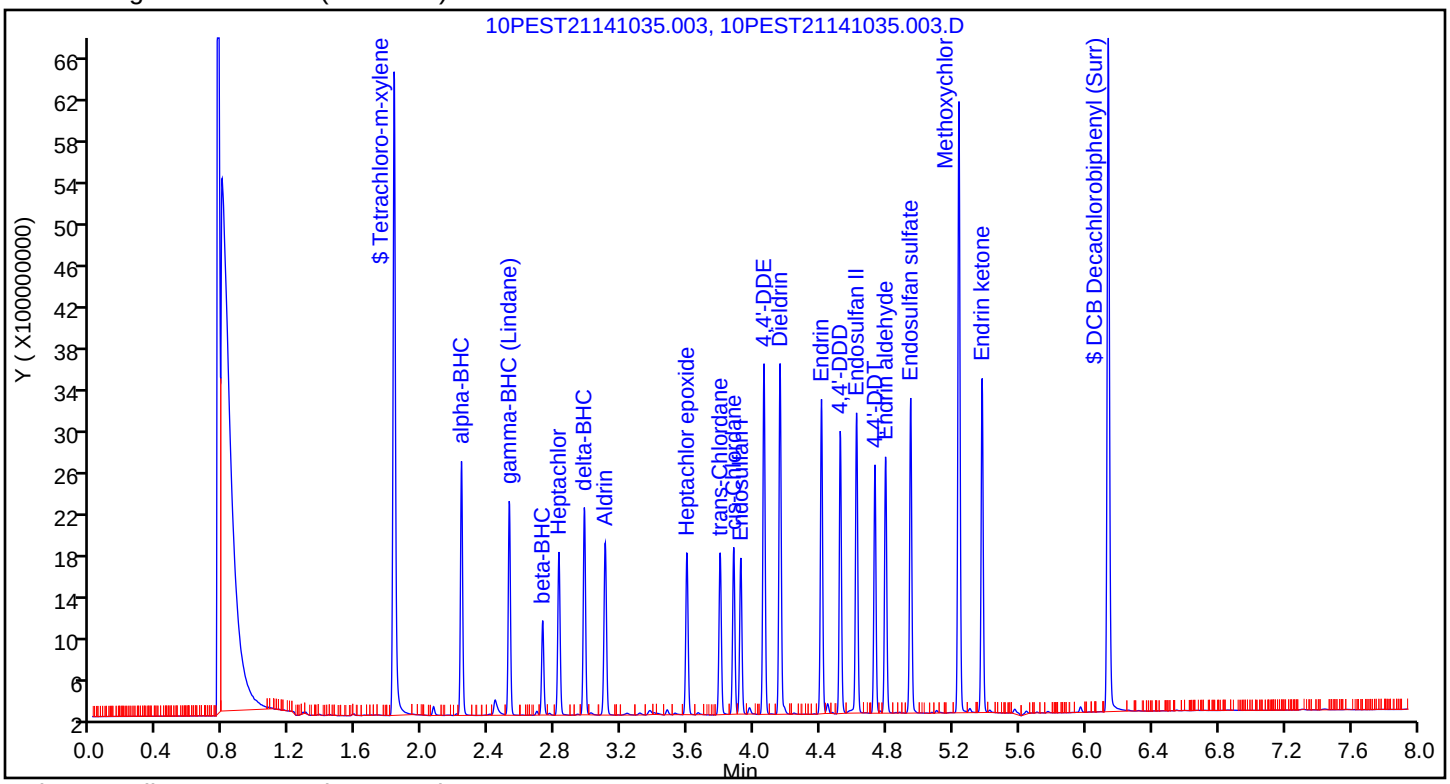
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 3

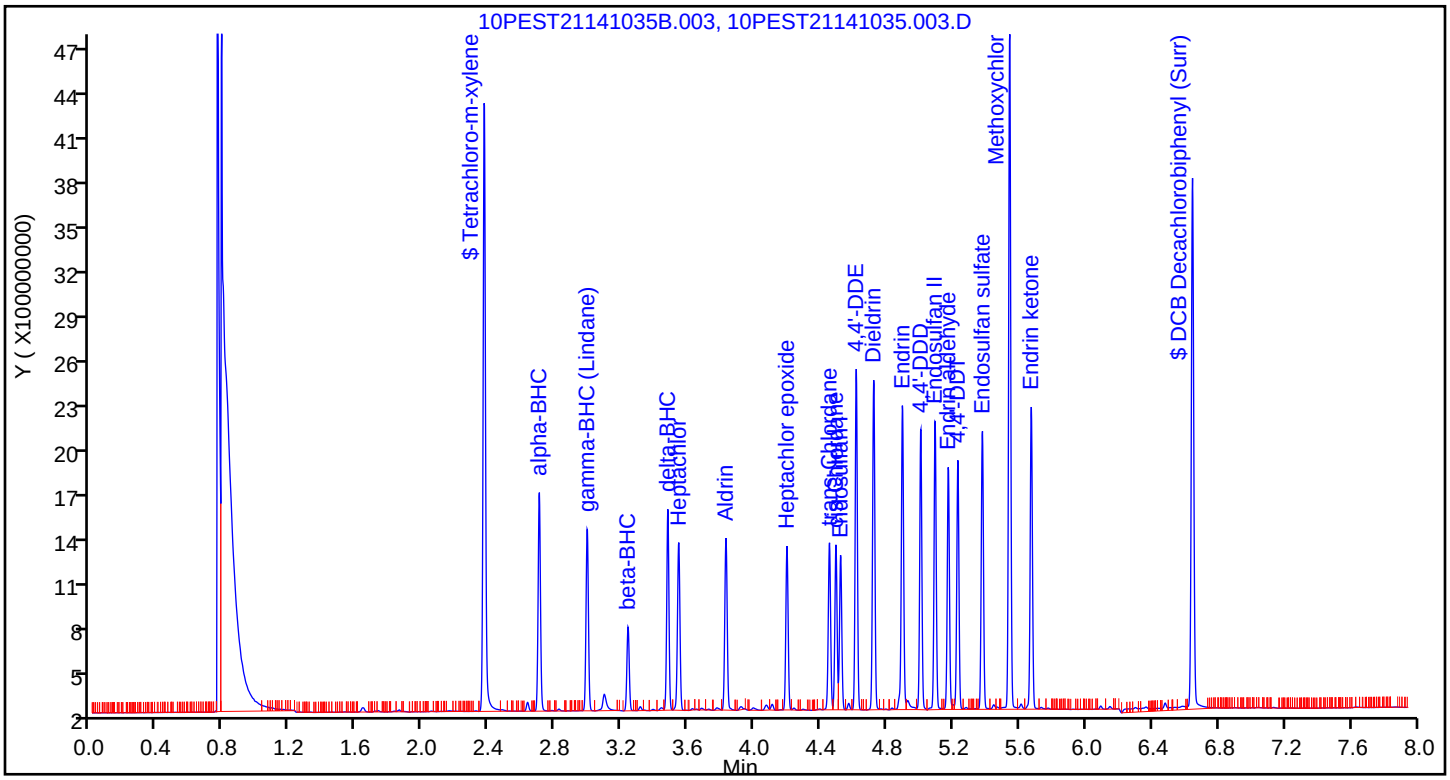
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: ICV 410-140420/13 Calibration Date: 06/22/2021 08:34

Instrument ID: 9191 Calib Start Date: 06/22/2021 07:20

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/22/2021 08:22

Lab File ID: 10PEST21141035.013.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	2598507	2643302		511	502	1.7	20.0
Toxaphene Peak 2	Ave	3061128	3177239		521	502	3.8	20.0
Toxaphene Peak 3	Ave	2473393	2560374		520	502	3.5	20.0
Toxaphene Peak 4	Ave	2639754	2774673		528	502	5.1	20.0
Toxaphene Peak 5	Ave	2978099	3072137		518	502	3.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: ICV 410-140420/13 Calibration Date: 06/22/2021 08:34

Instrument ID: 9191 Calib Start Date: 06/22/2021 07:20

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/22/2021 08:22

Lab File ID: 10PEST21141035.013.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	4.53	4.50	4.56
Toxaphene Peak 2	4.64	4.60	4.66
Toxaphene Peak 3	4.85	4.82	4.88
Toxaphene Peak 4	5.14	5.11	5.17
Toxaphene Peak 5	5.23	5.20	5.26

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.013.D
Lims ID: icv tox
Client ID:
Sample Type: ICV
Inject. Date: 22-Jun-2021 08:34:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv t
Operator ID: 492 Instrument ID: 9191
Sublist:

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:21:34 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.530	4.530	0.000	1326937518H	502.0	510.7	
1	4.635	4.633	0.002	1594973811H	502.0	521.0	
1	4.848	4.848	0.000	1285307551H	502.0	519.7	
1	5.135	5.135	0.000	1392885639H	502.0	527.7	
1	5.228	5.228	0.000	1542212524H	502.0	517.9	
		Average of Peak Amounts =				519.4	
2	4.850	4.845	0.005	514735145H	502.0	524.7	
2	5.140	5.135	0.005	1053160601H	502.0	484.0	
2	5.320	5.315	0.005	982378228H	502.0	483.8	
2	5.608	5.603	0.005	659922108H	502.0	489.5	
2	5.695	5.690	0.005	973980649H	502.0	479.8	
		Average of Peak Amounts =				492.3	
						RPD = 5.34	

Reagents:

GCS_TOXICV_00006 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:21:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.013.D

Injection Date: 22-Jun-2021 08:34:00 Instrument ID: 9191

Lims ID: icv tox

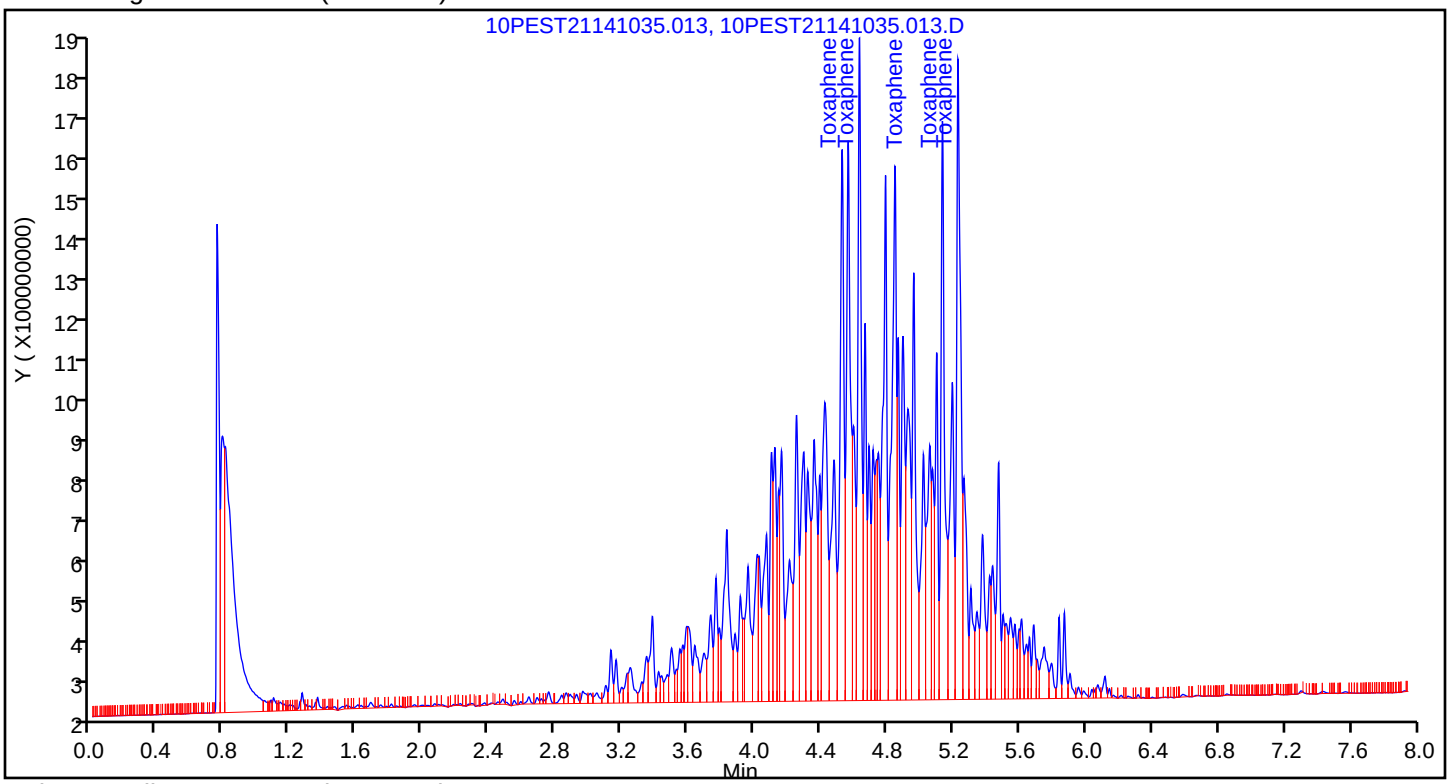
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 13

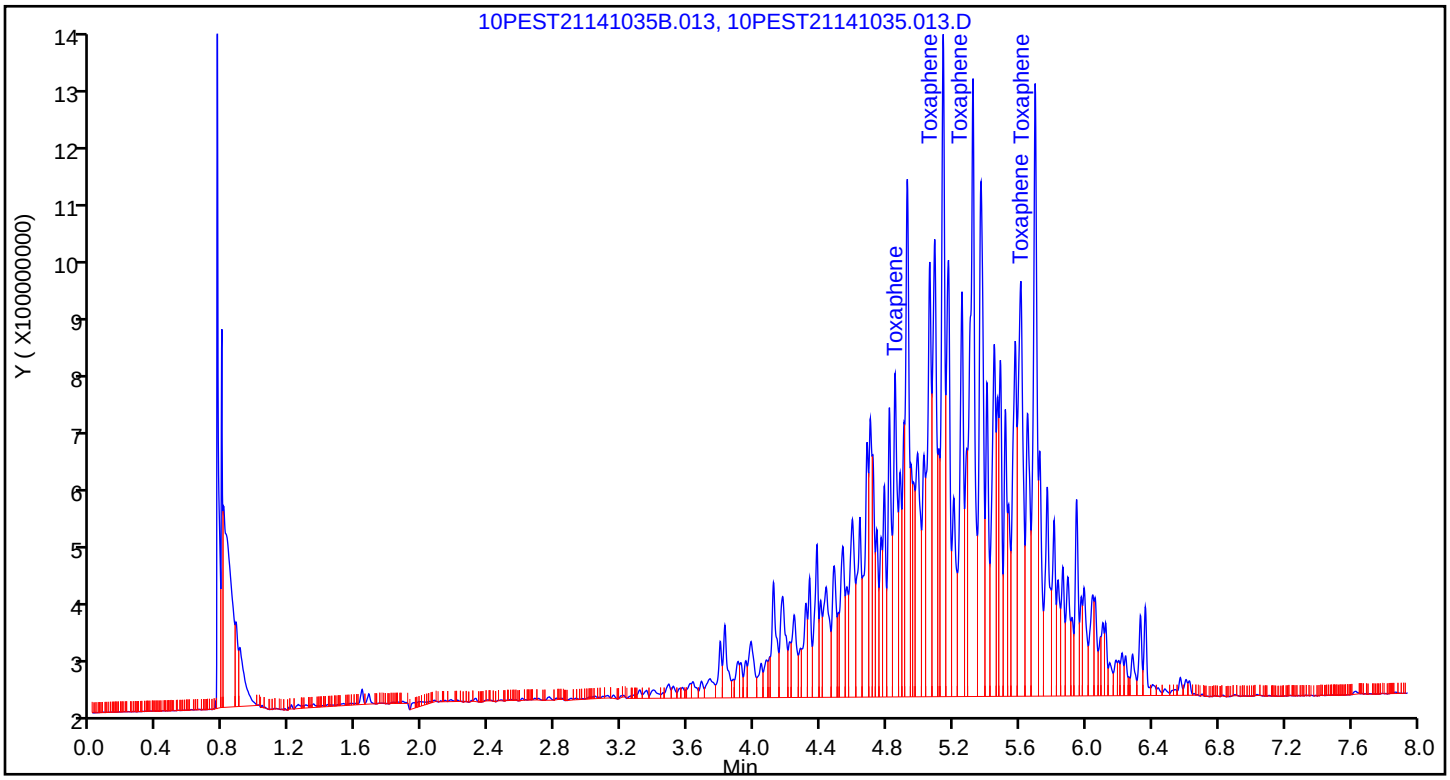
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: ICV 410-140420/13 Calibration Date: 06/22/2021 08:34

Instrument ID: 9191 Calib Start Date: 06/22/2021 07:20

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/22/2021 08:22

Lab File ID: 10PEST21141035.013.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin		1025369		525	502	4.5	20.0
Toxaphene Peak 2	Ave	2175806	2097929		484	502	-3.6	20.0
Toxaphene Peak 3	Ave	2030597	1956929		484	502	-3.6	20.0
Toxaphene Peak 4	Ave	1348238	1314586		489	502	-2.5	20.0
Toxaphene Peak 5	Ave	2029959	1940200		480	502	-4.4	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: ICV 410-140420/13 Calibration Date: 06/22/2021 08:34

Instrument ID: 9191 Calib Start Date: 06/22/2021 07:20

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/22/2021 08:22

Lab File ID: 10PEST21141035.013.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	4.85	4.82	4.88
Toxaphene Peak 2	5.14	5.11	5.17
Toxaphene Peak 3	5.32	5.29	5.35
Toxaphene Peak 4	5.61	5.57	5.63
Toxaphene Peak 5	5.70	5.66	5.72

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.013.D
Lims ID: icv tox
Client ID:
Sample Type: ICV
Inject. Date: 22-Jun-2021 08:34:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv t
Operator ID: 492 Instrument ID: 9191
Sublist:

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:21:34 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.530	4.530	0.000	1326937518H	502.0	510.7	
1	4.635	4.633	0.002	1594973811H	502.0	521.0	
1	4.848	4.848	0.000	1285307551H	502.0	519.7	
1	5.135	5.135	0.000	1392885639H	502.0	527.7	
1	5.228	5.228	0.000	1542212524H	502.0	517.9	
		Average of Peak Amounts =				519.4	
2	4.850	4.845	0.005	514735145H	502.0	524.7	
2	5.140	5.135	0.005	1053160601H	502.0	484.0	
2	5.320	5.315	0.005	982378228H	502.0	483.8	
2	5.608	5.603	0.005	659922108H	502.0	489.5	
2	5.695	5.690	0.005	973980649H	502.0	479.8	
		Average of Peak Amounts =				492.3	
						RPD = 5.34	

Reagents:

GCS_TOXICV_00006 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:21:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.013.D

Injection Date: 22-Jun-2021 08:34:00 Instrument ID: 9191

Lims ID: icv tox

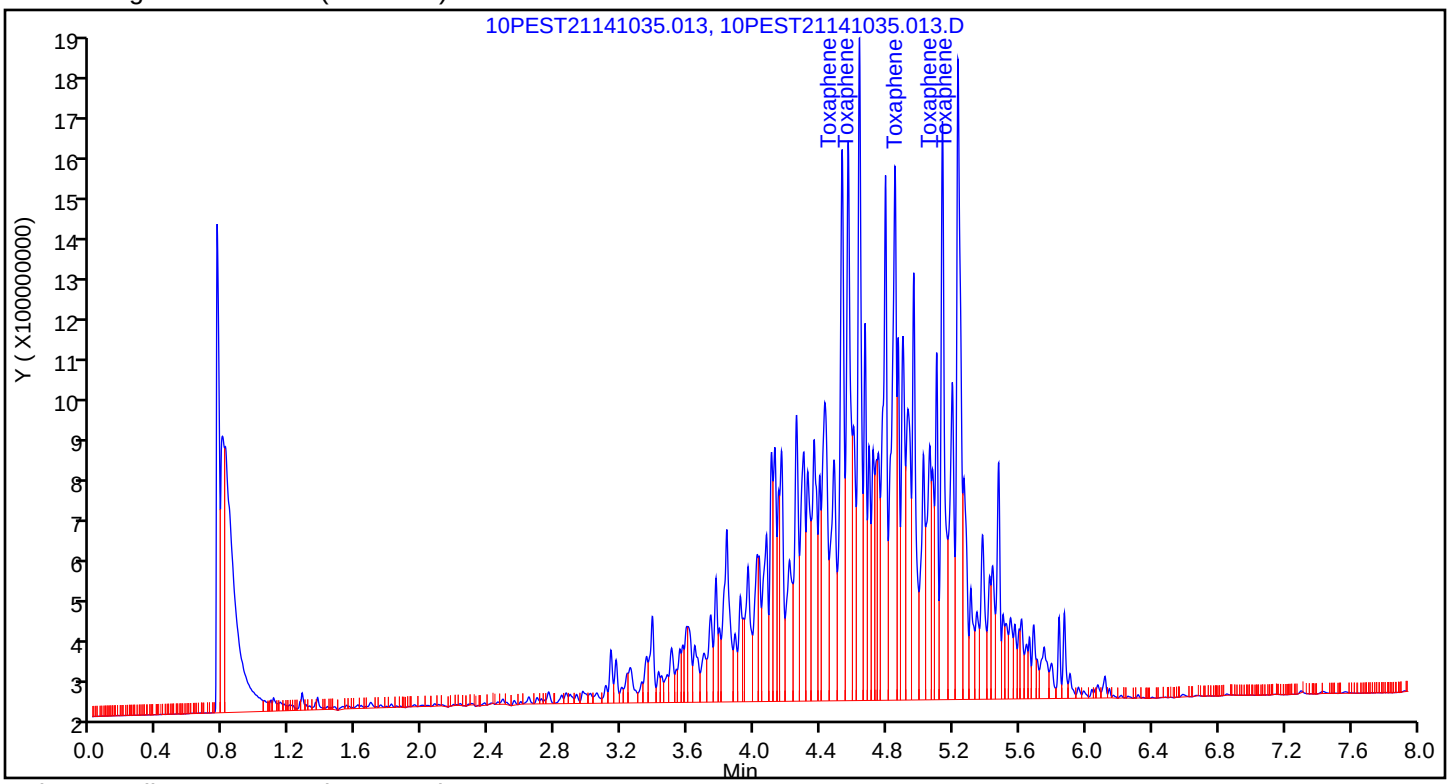
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 13

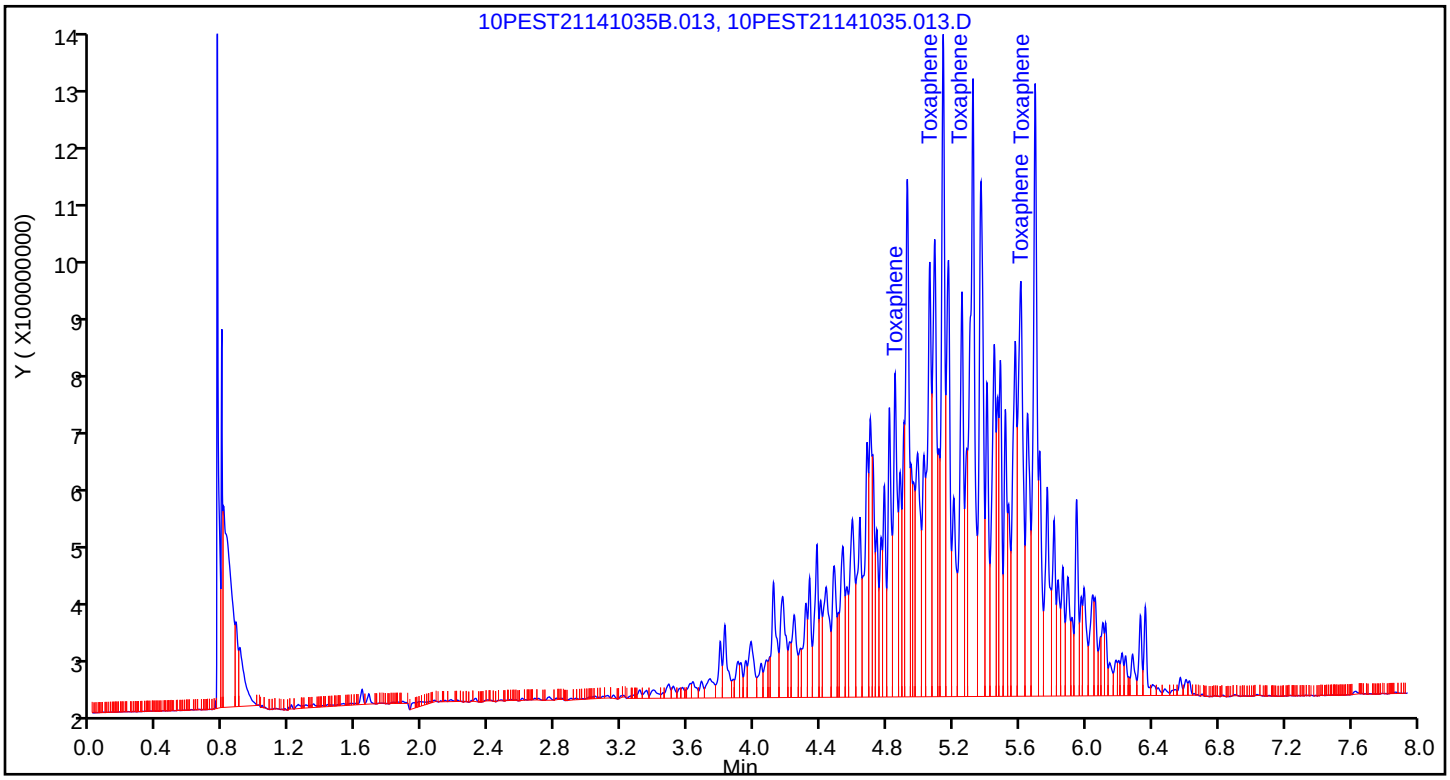
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: CCV 410-140420/36 Calibration Date: 06/22/2021 13:15

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141035.036.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	246842767	280516427		11.5	10.1	13.6	20.0
gamma-BHC (Lindane)	Ave	214988522	239204177		11.1	10.0	11.3	20.0
beta-BHC	Ave	99418961	103199535		10.4	10.0	3.8	20.0
Heptachlor	Ave	170120463	193960252		11.4	10.0	14.0	20.0
delta-BHC	Ave	209877408	231677741		11.0	10.0	10.4	20.0
Aldrin	Ave	176347197	194660630		11.0	10.0	10.4	20.0
Heptachlor epoxide	Ave	165883150	183572363		11.2	10.1	10.7	20.0
gamma-Chlordane	Ave	167523177	186855708		11.2	10.0	11.5	20.0
alpha-Chlordane	Ave	171837444	186722177		10.9	10.0	8.7	20.0
Endosulfan I	Ave	161996567	175048452		10.8	10.0	8.1	20.0
p,p'-DDE	Ave	174666964	197278454		22.6	20.0	12.9	20.0
Dieldrin	Ave	175370133	198647506		22.7	20.0	13.3	20.0
Endrin	Ave	162515759	182189203		22.4	20.0	12.1	20.0
p,p'-DDD	Ave	136729533	159452204		23.5	20.1	16.6	20.0
Endosulfan II	Ave	158716909	178028923		22.4	20.0	12.2	20.0
p,p'-DDT	Ave	131234585	160998742		24.7	20.1	22.7*	20.0
Endrin aldehyde	Ave	136013919	150426251		22.1	20.0	10.6	20.0
Endosulfan sulfate	Ave	160231060	189897294		23.7	20.0	18.5	20.0
Methoxychlor	Ave	66743385	80580678		121	100	20.7*	20.0
Endrin ketone	Ave	166860360	195845607		23.5	20.0	17.4	20.0
Tetrachloro-m-xylene (Surr)	Ave	165391687	180722514		43.8	40.0	9.3	20.0
DCB Decachlorobiphenyl (Surr)	Ave	173299221	197825820		45.7	40.0	14.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: CCV 410-140420/36 Calibration Date: 06/22/2021 13:15

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141035.036.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.23	2.20	2.26
gamma-BHC (Lindane)	2.52	2.49	2.55
beta-BHC	2.72	2.69	2.75
Heptachlor	2.82	2.79	2.85
delta-BHC	2.97	2.94	3.00
Aldrin	3.10	3.07	3.13
Heptachlor epoxide	3.59	3.56	3.62
gamma-Chlordane	3.79	3.76	3.82
alpha-Chlordane	3.87	3.85	3.91
Endosulfan I	3.92	3.89	3.95
p,p'-DDE	4.05	4.03	4.09
Dieldrin	4.15	4.13	4.19
Endrin	4.40	4.38	4.44
p,p'-DDD	4.52	4.49	4.55
Endosulfan II	4.61	4.59	4.65
p,p'-DDT	4.72	4.70	4.76
Endrin aldehyde	4.79	4.76	4.82
Endosulfan sulfate	4.94	4.91	4.97
Methoxychlor	5.23	5.21	5.27
Endrin ketone	5.37	5.35	5.41
Tetrachloro-m-xylene (Surr)	1.82	1.80	1.86
DCB Decachlorobiphenyl (Surr)	6.13	6.11	6.17

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.036.D
Lims ID: ccv mixa
Client ID:
Sample Type: CCV
Inject. Date: 22-Jun-2021 13:15:00 ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv a
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:52:03 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:50:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.825	-0.002	7236129446H	40.0	43.8	
2	2.370	2.368	0.002	4350574148H	40.0	43.4	
						RPD = 0.80	
3 alpha-BHC							
1	2.228	2.232	-0.004	2840228821H	10.1	11.5	
2	2.702	2.702	0.000	1570065698H	10.1	11.0	
						RPD = 4.32	
4 gamma-BHC (Lindane)							
1	2.517	2.520	-0.003	2392041765H	10.0	11.1	
2	2.990	2.990	0.000	1325511558H	10.0	10.8	
						RPD = 2.96	
6 beta-BHC							
1	2.718	2.722	-0.004	1031995350H	10.0	10.4	
2	3.237	3.237	0.000	600559129H	10.0	10.2	
						RPD = 1.34	
7 Heptachlor							
1	2.817	2.820	-0.003	1939602522H	10.0	11.4	
2	3.543	3.543	0.000	1225305546H	10.0	10.4	
						RPD = 9.64	
8 delta-BHC							
1	2.970	2.973	-0.003	2316777406H	10.0	11.0	
2	3.478	3.477	0.001	1406391276H	10.0	10.9	
						RPD = 1.66	
9 Aldrin							
1	3.095	3.100	-0.005	1946606304H	10.0	11.0	
2	3.828	3.828	0.000	1293427498H	10.0	11.0	
						RPD = 0.01	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.588	3.592	-0.004	1858670177H	10.1	11.2	
2	4.197	4.197	0.000	1188982652H	10.1	10.9	
						RPD = 2.58	
12 trans-Chlordane							
1	3.790	3.793	-0.003	1868557081H	10.0	11.2	
2	4.453	4.453	0.000	1252826822H	10.0	10.8	
						RPD = 2.83	
14 cis-Chlordane							
1	3.872	3.875	-0.003	1867221766H	10.0	10.9	
2	4.492	4.492	0.000	1201411078H	10.0	10.6	
						RPD = 2.38	
15 Endosulfan I							
1	3.915	3.918	-0.003	1750484521H	10.0	10.8	
2	4.520	4.520	0.000	1122730484H	10.0	10.7	
						RPD = 1.05	
16 4,4'-DDE							
1	4.053	4.058	-0.005	3945569089H	20.0	22.6	
2	4.615	4.615	0.000	2542853926H	20.0	21.9	
						RPD = 2.99	
17 Dieldrin							
1	4.152	4.155	-0.003	3972950121H	20.0	22.7	
2	4.720	4.720	0.000	2510210842H	20.0	22.2	
						RPD = 1.87	
19 Endrin							
1	4.402	4.405	-0.003	3643784057H	20.0	22.4	
2	4.893	4.893	0.000	2257537062H	20.0	21.3	
						RPD = 5.06	
22 4,4'-DDD							
1	4.515	4.518	-0.003	3208975610H	20.1	23.5	
2	5.003	5.005	-0.002	2072080653H	20.1	22.1	
						RPD = 6.04	
23 Endosulfan II							
1	4.613	4.617	-0.004	3560578453H	20.0	22.4	
2	5.092	5.090	0.002	2157263514H	20.0	22.0	
						RPD = 1.93	
24 4,4'-DDT							
1	4.723	4.728	-0.005	3240099683H	20.1	24.7	
2	5.227	5.228	-0.001	1945799251H	20.1	22.4	
						RPD = 9.75	
25 Endrin aldehyde							
1	4.788	4.792	-0.004	3008525011H	20.0	22.1	
2	5.170	5.170	0.000	1835066414H	20.0	21.9	
						RPD = 0.99	
26 Endosulfan sulfate							
1	4.940	4.943	-0.003	3797945885H	20.0	23.7	
2	5.375	5.377	-0.002	2172448199H	20.0	22.0	
						RPD = 7.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.232	5.235	-0.003	8058067759H	100.0	120.7	
2	5.540	5.542	-0.002	5467188599H	100.0	119.4	
						RPD = 1.13	
29 Endrin ketone							
1	5.370	5.375	-0.005	3916912142H	20.0	23.5	
2	5.670	5.672	-0.002	2330104475H	20.0	22.2	
						RPD = 5.51	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.132	6.137	-0.005	7916989297H	40.0	45.7	
2	6.642	6.645	-0.003	4044295586H	40.0	46.7	
						RPD = 2.20	
S 32 Total DDTs							
1						22.4	
2						24.7	
						RPD = 9.75	
S 33 Endosulfan, Total							
1						32.7	
2						33.2	
						RPD = 1.64	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

gcs_mixa4dil_00001 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 15:52:04 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.036.D

Injection Date: 22-Jun-2021 13:15:00 Instrument ID: 9191

Lims ID: ccv mixa

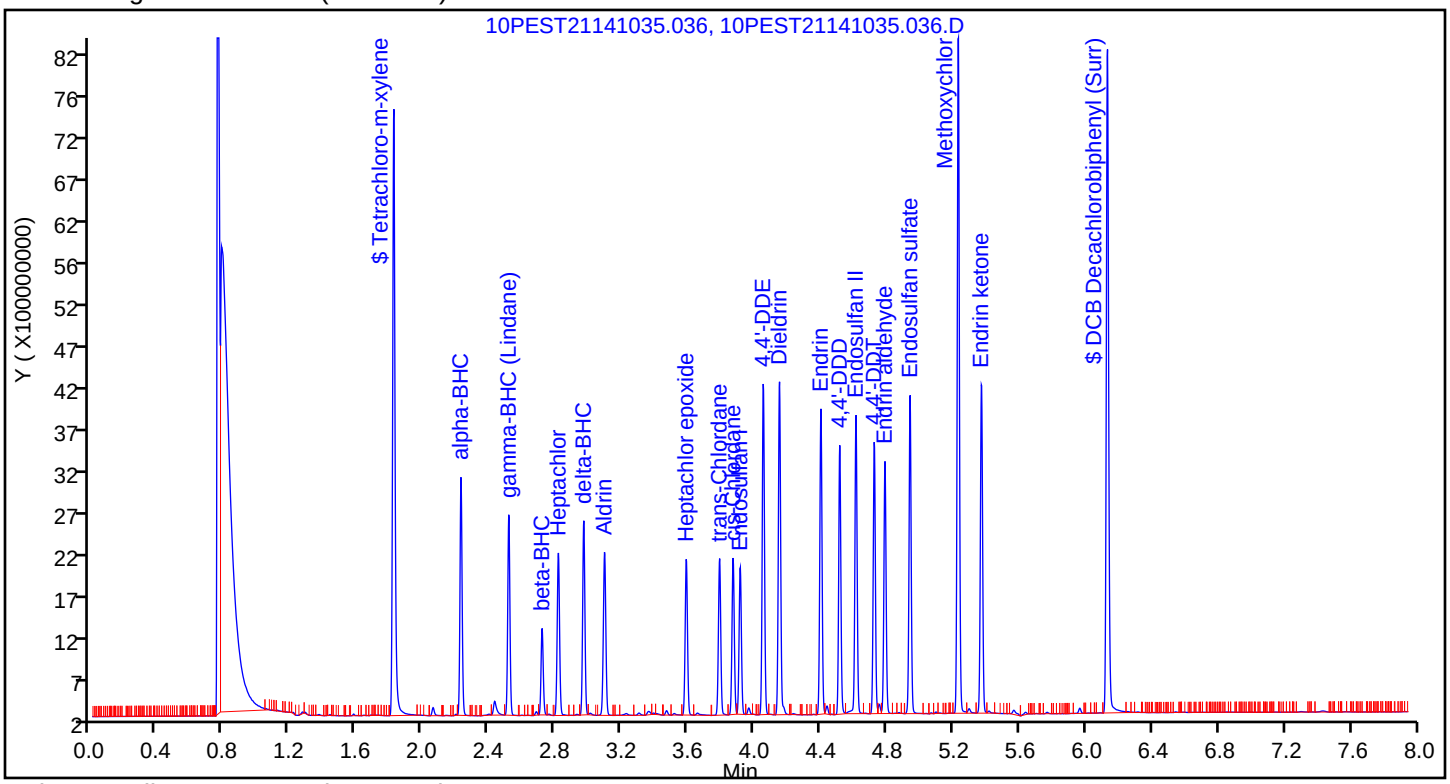
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 36

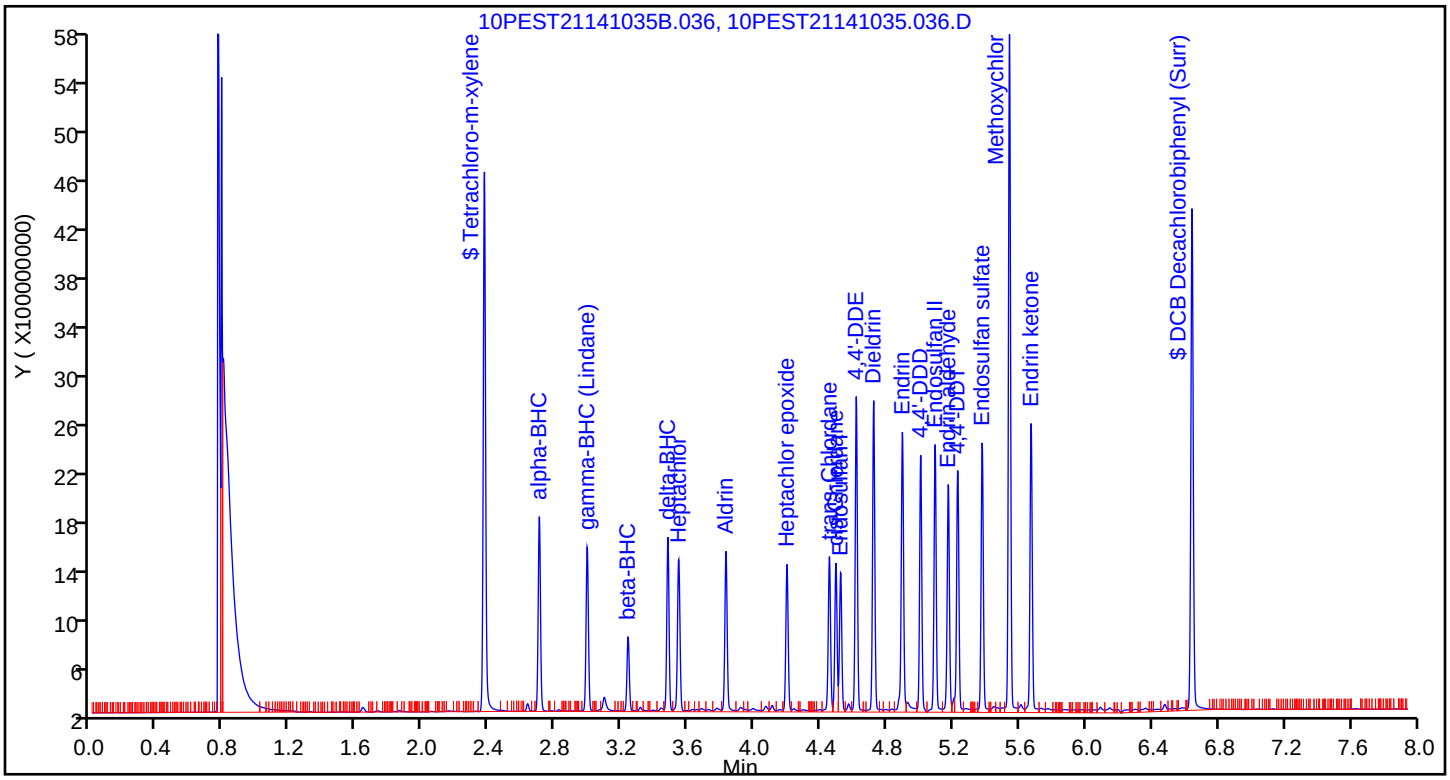
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: CCV 410-140420/36 Calibration Date: 06/22/2021 13:15

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141035.036.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	142485362	155068217		11.0	10.1	8.8	20.0
gamma-BHC (Lindane)	Ave	122706715	132551156		10.8	10.0	8.0	20.0
beta-BHC	Ave	58637084	60055913		10.2	10.0	2.4	20.0
delta-BHC	Ave	129531522	140639128		10.9	10.0	8.6	20.0
Heptachlor	Ave	118356750	122530555		10.4	10.0	3.5	20.0
Aldrin	Ave	117166463	129342750		11.0	10.0	10.4	20.0
Heptachlor epoxide	Ave	108885225	117430385		10.9	10.1	7.8	20.0
gamma-Chlordane	Ave	115543038	125282682		10.8	10.0	8.4	20.0
alpha-Chlordane	Ave	113222536	120141108		10.6	10.0	6.1	20.0
Endosulfan I	Ave	104996304	112273048		10.7	10.0	6.9	20.0
p,p'-DDE	Ave	115992049	127142696		21.9	20.0	9.6	20.0
Dieldrin	Ave	112896358	125510542		22.2	20.0	11.2	20.0
Endrin	Ave	105911772	112876853		21.3	20.0	6.6	20.0
p,p'-DDD	Ave	93784757	102960529		22.1	20.1	9.8	20.0
Endosulfan II	Ave	98036987	107863176		22.0	20.0	10.0	20.0
Endrin aldehyde	Ave	83788106	91753321		21.9	20.0	9.5	20.0
p,p'-DDT	Ave	86886357	96685677		22.4	20.1	11.3	20.0
Endosulfan sulfate	Ave	98930685	108622410		22.0	20.0	9.8	20.0
Methoxychlor	Ave	45798899	54671886		119	100	19.4	20.0
Endrin ketone	Ave	104891914	116505224		22.2	20.0	11.1	20.0
Tetrachloro-m-xylene (Surr)	Ave	100234501	108655698		43.4	40.0	8.4	20.0
DCB Decachlorobiphenyl (Surr)	Ave	86598621	101056861		46.7	40.0	16.7	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: CCV 410-140420/36 Calibration Date: 06/22/2021 13:15

Instrument ID: 9191 Calib Start Date: 06/21/2021 09:42

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/21/2021 10:44

Lab File ID: 10PEST21141035.036.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.70	2.67	2.73
gamma-BHC (Lindane)	2.99	2.96	3.02
beta-BHC	3.24	3.21	3.27
delta-BHC	3.48	3.45	3.51
Heptachlor	3.54	3.51	3.57
Aldrin	3.83	3.80	3.86
Heptachlor epoxide	4.20	4.17	4.23
gamma-Chlordane	4.45	4.42	4.48
alpha-Chlordane	4.49	4.46	4.52
Endosulfan I	4.52	4.49	4.55
p,p'-DDE	4.62	4.59	4.65
Dieldrin	4.72	4.69	4.75
Endrin	4.89	4.86	4.92
p,p'-DDD	5.00	4.98	5.04
Endosulfan II	5.09	5.06	5.12
Endrin aldehyde	5.17	5.14	5.20
p,p'-DDT	5.23	5.20	5.26
Endosulfan sulfate	5.38	5.35	5.41
Methoxychlor	5.54	5.51	5.57
Endrin ketone	5.67	5.64	5.70
Tetrachloro-m-xylene (Surr)	2.37	2.34	2.40
DCB Decachlorobiphenyl (Surr)	6.64	6.62	6.68

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.036.D
Lims ID: ccv mixa
Client ID:
Sample Type: CCV
Inject. Date: 22-Jun-2021 13:15:00 ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv a
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub5

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:52:03 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:50:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.825	-0.002	7236129446H	40.0	43.8	
2	2.370	2.368	0.002	4350574148H	40.0	43.4	
						RPD = 0.80	
3 alpha-BHC							
1	2.228	2.232	-0.004	2840228821H	10.1	11.5	
2	2.702	2.702	0.000	1570065698H	10.1	11.0	
						RPD = 4.32	
4 gamma-BHC (Lindane)							
1	2.517	2.520	-0.003	2392041765H	10.0	11.1	
2	2.990	2.990	0.000	1325511558H	10.0	10.8	
						RPD = 2.96	
6 beta-BHC							
1	2.718	2.722	-0.004	1031995350H	10.0	10.4	
2	3.237	3.237	0.000	600559129H	10.0	10.2	
						RPD = 1.34	
7 Heptachlor							
1	2.817	2.820	-0.003	1939602522H	10.0	11.4	
2	3.543	3.543	0.000	1225305546H	10.0	10.4	
						RPD = 9.64	
8 delta-BHC							
1	2.970	2.973	-0.003	2316777406H	10.0	11.0	
2	3.478	3.477	0.001	1406391276H	10.0	10.9	
						RPD = 1.66	
9 Aldrin							
1	3.095	3.100	-0.005	1946606304H	10.0	11.0	
2	3.828	3.828	0.000	1293427498H	10.0	11.0	
						RPD = 0.01	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.588	3.592	-0.004	1858670177H	10.1	11.2	
2	4.197	4.197	0.000	1188982652H	10.1	10.9	
						RPD = 2.58	
12 trans-Chlordane							
1	3.790	3.793	-0.003	1868557081H	10.0	11.2	
2	4.453	4.453	0.000	1252826822H	10.0	10.8	
						RPD = 2.83	
14 cis-Chlordane							
1	3.872	3.875	-0.003	1867221766H	10.0	10.9	
2	4.492	4.492	0.000	1201411078H	10.0	10.6	
						RPD = 2.38	
15 Endosulfan I							
1	3.915	3.918	-0.003	1750484521H	10.0	10.8	
2	4.520	4.520	0.000	1122730484H	10.0	10.7	
						RPD = 1.05	
16 4,4'-DDE							
1	4.053	4.058	-0.005	3945569089H	20.0	22.6	
2	4.615	4.615	0.000	2542853926H	20.0	21.9	
						RPD = 2.99	
17 Dieldrin							
1	4.152	4.155	-0.003	3972950121H	20.0	22.7	
2	4.720	4.720	0.000	2510210842H	20.0	22.2	
						RPD = 1.87	
19 Endrin							
1	4.402	4.405	-0.003	3643784057H	20.0	22.4	
2	4.893	4.893	0.000	2257537062H	20.0	21.3	
						RPD = 5.06	
22 4,4'-DDD							
1	4.515	4.518	-0.003	3208975610H	20.1	23.5	
2	5.003	5.005	-0.002	2072080653H	20.1	22.1	
						RPD = 6.04	
23 Endosulfan II							
1	4.613	4.617	-0.004	3560578453H	20.0	22.4	
2	5.092	5.090	0.002	2157263514H	20.0	22.0	
						RPD = 1.93	
24 4,4'-DDT							
1	4.723	4.728	-0.005	3240099683H	20.1	24.7	
2	5.227	5.228	-0.001	1945799251H	20.1	22.4	
						RPD = 9.75	
25 Endrin aldehyde							
1	4.788	4.792	-0.004	3008525011H	20.0	22.1	
2	5.170	5.170	0.000	1835066414H	20.0	21.9	
						RPD = 0.99	
26 Endosulfan sulfate							
1	4.940	4.943	-0.003	3797945885H	20.0	23.7	
2	5.375	5.377	-0.002	2172448199H	20.0	22.0	
						RPD = 7.64	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.232	5.235	-0.003	8058067759H	100.0	120.7	
2	5.540	5.542	-0.002	5467188599H	100.0	119.4	
						RPD = 1.13	
29 Endrin ketone							
1	5.370	5.375	-0.005	3916912142H	20.0	23.5	
2	5.670	5.672	-0.002	2330104475H	20.0	22.2	
						RPD = 5.51	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.132	6.137	-0.005	7916989297H	40.0	45.7	
2	6.642	6.645	-0.003	4044295586H	40.0	46.7	
						RPD = 2.20	
S 32 Total DDTs							
1						22.4	
2						24.7	
						RPD = 9.75	
S 33 Endosulfan, Total							
1						32.7	
2						33.2	
						RPD = 1.64	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

gcs_mixa4dil_00001 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 15:52:05 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.036.D

Injection Date: 22-Jun-2021 13:15:00 Instrument ID: 9191

Lims ID: ccv mixa

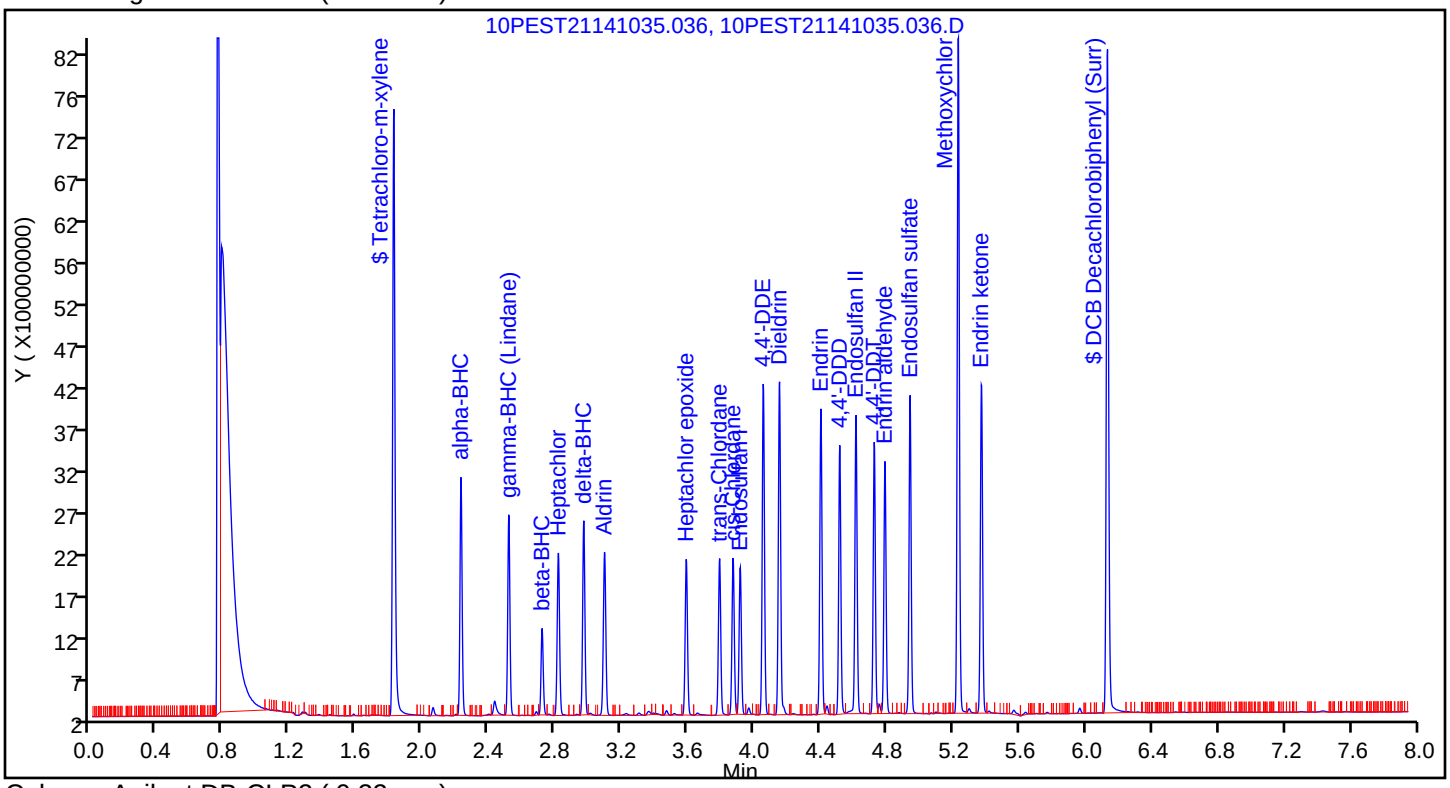
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 36

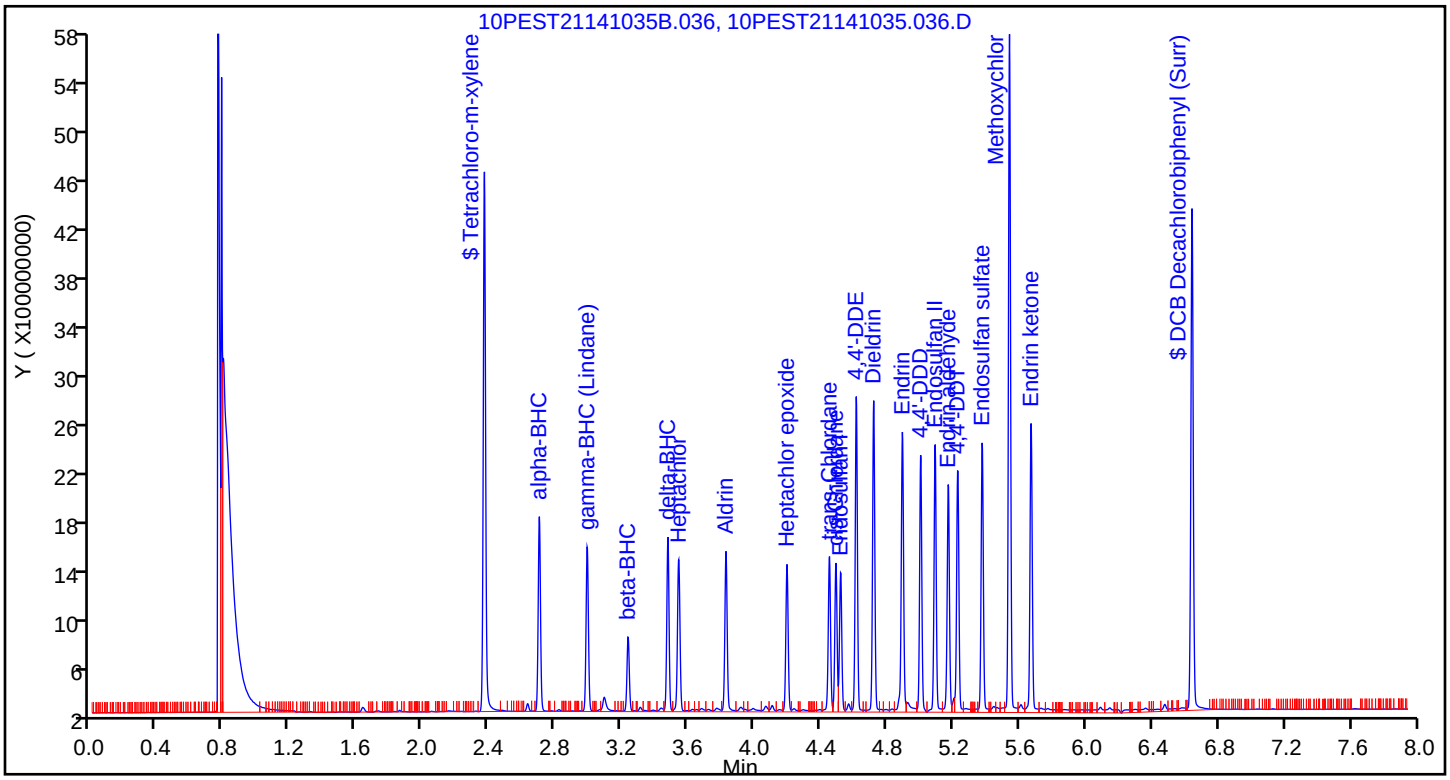
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: CCV 410-140420/37 Calibration Date: 06/22/2021 13:27

Instrument ID: 9191 Calib Start Date: 06/22/2021 07:20

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/22/2021 08:22

Lab File ID: 10PEST21141035.037.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	2598507	3052773		588	501	17.5	20.0
Toxaphene Peak 2	Ave	3061128	3708987		607	501	21.2*	20.0
Toxaphene Peak 3	Ave	2473393	3082105		624	501	24.6*	20.0
Toxaphene Peak 4	Ave	2639754	3503083		664	501	32.7*	20.0
Toxaphene Peak 5	Ave	2978099	3891569		654	501	30.7*	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: CCV 410-140420/37 Calibration Date: 06/22/2021 13:27

Instrument ID: 9191 Calib Start Date: 06/22/2021 07:20

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 06/22/2021 08:22

Lab File ID: 10PEST21141035.037.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	4.53	4.50	4.56
Toxaphene Peak 2	4.63	4.60	4.66
Toxaphene Peak 3	4.85	4.82	4.88
Toxaphene Peak 4	5.13	5.11	5.17
Toxaphene Peak 5	5.23	5.20	5.26

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.037.D
Lims ID: ccv tox
Client ID:
Sample Type: CCV
Inject. Date: 22-Jun-2021 13:27:00 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:52:05 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:50:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.528	4.530	-0.002	1528370874H	500.7	588.2	
1	4.632	4.633	-0.001	1856904162H	500.7	606.6	
1	4.847	4.848	-0.001	1543056111H	500.7	623.9	
1	5.133	5.135	-0.002	1753818711H	500.7	664.4	
1	5.227	5.228	-0.001	1948314153H	500.7	654.2	
		Average of Peak Amounts =				627.4	
2	4.843	4.845	-0.002	577124236H	500.7	592.3	
2	5.135	5.135	0.000	1213606592H	500.7	557.8	
2	5.315	5.315	0.000	1164631160H	500.7	573.5	
2	5.603	5.603	0.000	814496240H	500.7	604.1	
2	5.688	5.690	-0.002	1207308769H	500.7	594.7	
		Average of Peak Amounts =				584.5	
						RPD = 7.09	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCS_TOX4_00006 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 15:52:06 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.037.D

Injection Date: 22-Jun-2021 13:27:00 Instrument ID: 9191

Lims ID: ccv tox

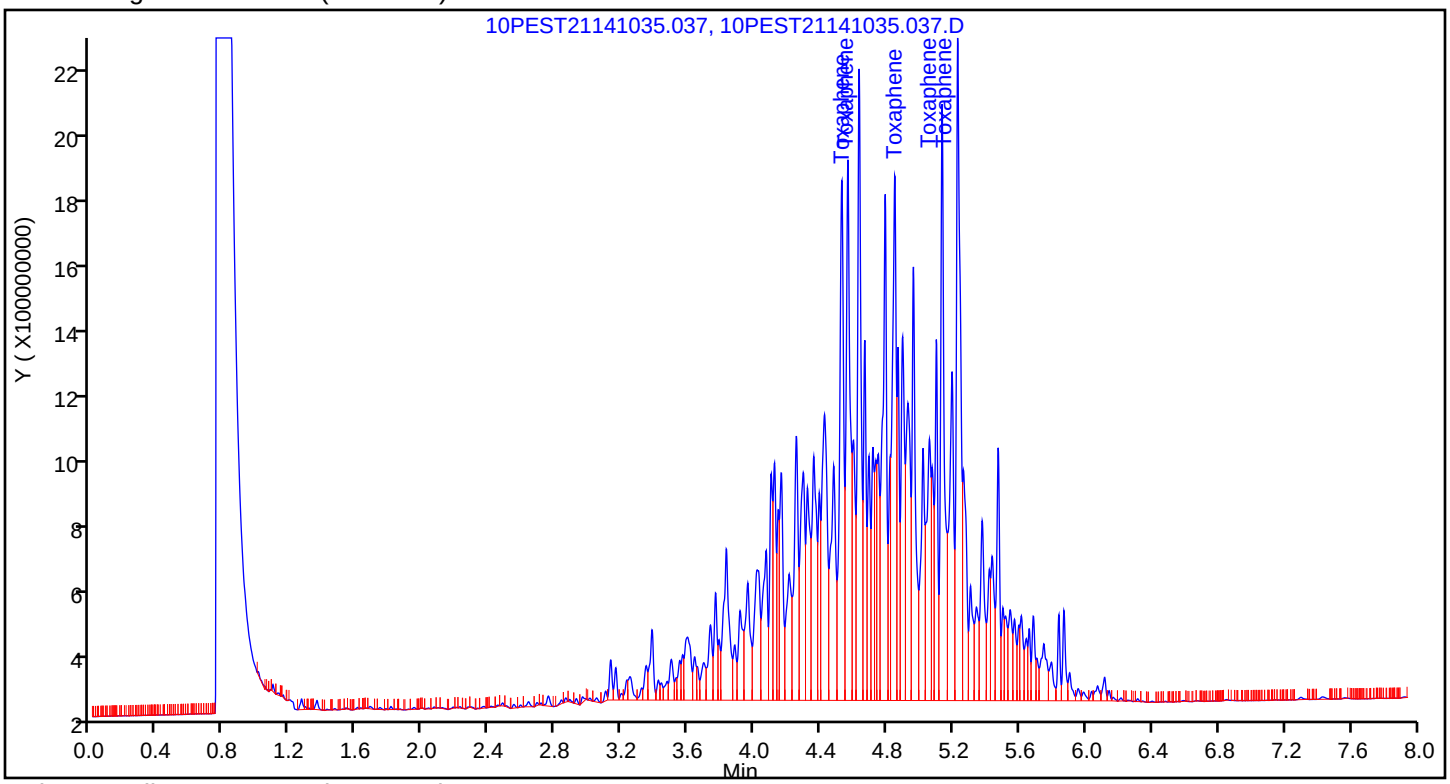
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 37

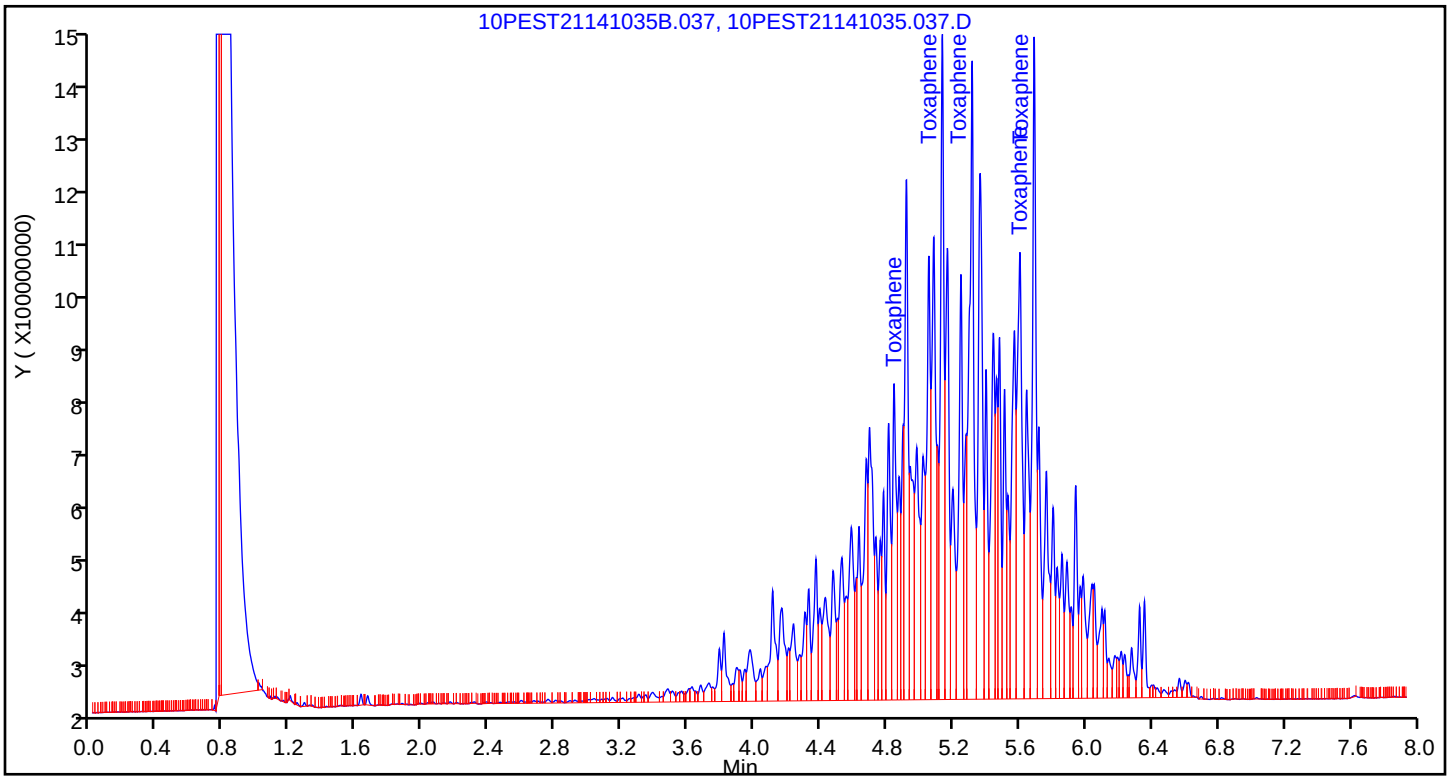
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: CCV 410-140420/37 Calibration Date: 06/22/2021 13:27

Instrument ID: 9191 Calib Start Date: 06/22/2021 07:20

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/22/2021 08:22

Lab File ID: 10PEST21141035.037.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin		1152750		592	501	18.3	20.0
Toxaphene Peak 2	Ave	2175806	2424062		558	501	11.4	20.0
Toxaphene Peak 3	Ave	2030597	2326238		574	501	14.6	20.0
Toxaphene Peak 4	Ave	1348238	1626878		604	501	20.7*	20.0
Toxaphene Peak 5	Ave	2029959	2411483		595	501	18.8	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Lab Sample ID: CCV 410-140420/37 Calibration Date: 06/22/2021 13:27

Instrument ID: 9191 Calib Start Date: 06/22/2021 07:20

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 06/22/2021 08:22

Lab File ID: 10PEST21141035.037.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	4.84	4.82	4.88
Toxaphene Peak 2	5.14	5.11	5.17
Toxaphene Peak 3	5.32	5.29	5.35
Toxaphene Peak 4	5.60	5.57	5.63
Toxaphene Peak 5	5.69	5.66	5.72

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.037.D
Lims ID: ccv tox
Client ID:
Sample Type: CCV
Inject. Date: 22-Jun-2021 13:27:00 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t
Operator ID: 492 Instrument ID: 9191
Sublist: chrom-PEST_9191*sub4

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:52:05 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:50:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							
1	4.528	4.530	-0.002	1528370874H	500.7	588.2	
1	4.632	4.633	-0.001	1856904162H	500.7	606.6	
1	4.847	4.848	-0.001	1543056111H	500.7	623.9	
1	5.133	5.135	-0.002	1753818711H	500.7	664.4	
1	5.227	5.228	-0.001	1948314153H	500.7	654.2	
		Average of Peak Amounts =				627.4	
2	4.843	4.845	-0.002	577124236H	500.7	592.3	
2	5.135	5.135	0.000	1213606592H	500.7	557.8	
2	5.315	5.315	0.000	1164631160H	500.7	573.5	
2	5.603	5.603	0.000	814496240H	500.7	604.1	
2	5.688	5.690	-0.002	1207308769H	500.7	594.7	
		Average of Peak Amounts =				584.5	
						RPD = 7.09	

QC Flag Legend

Processing Flags
H - Response Measured by Height

Reagents:

GCS_TOX4_00006 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 15:52:07 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.037.D

Injection Date: 22-Jun-2021 13:27:00 Instrument ID: 9191

Lims ID: ccv tox

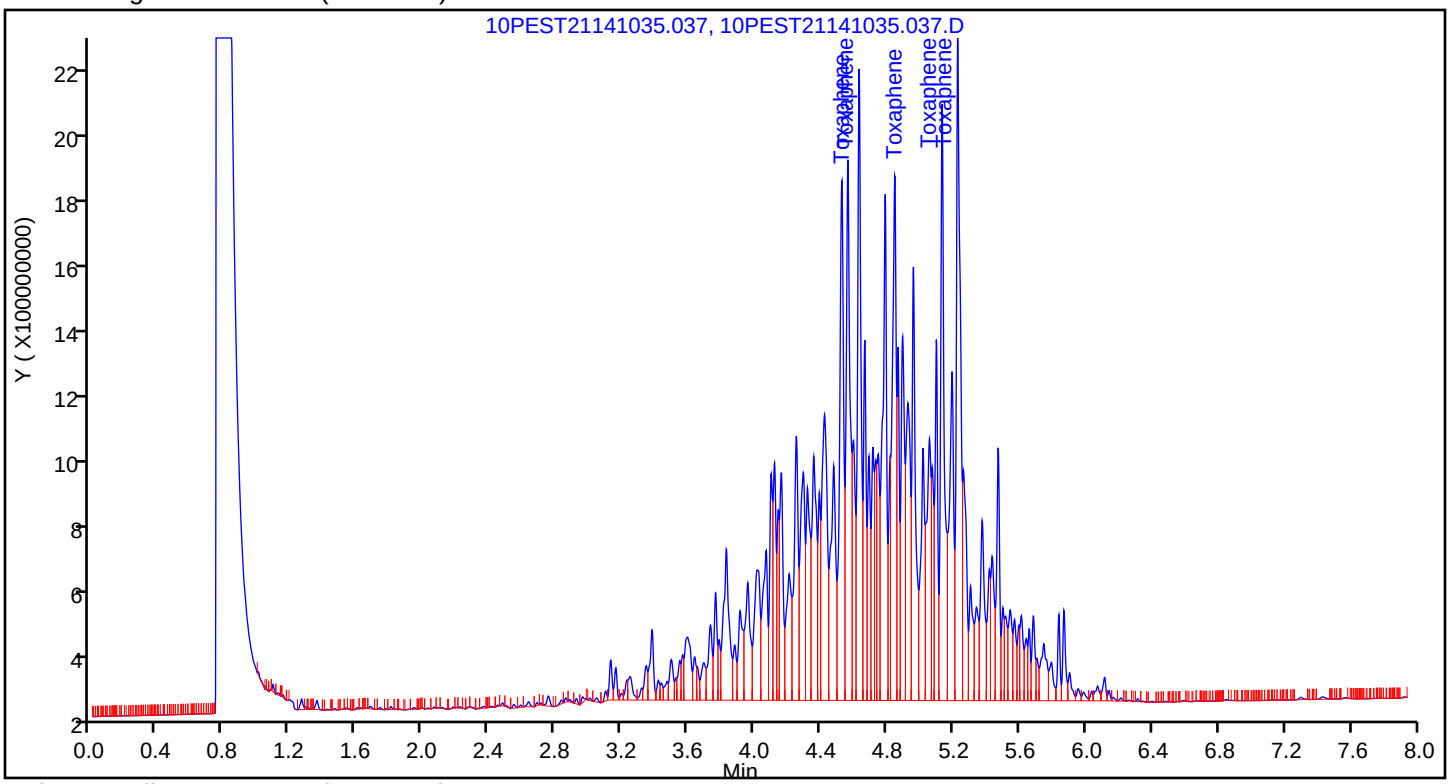
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 37

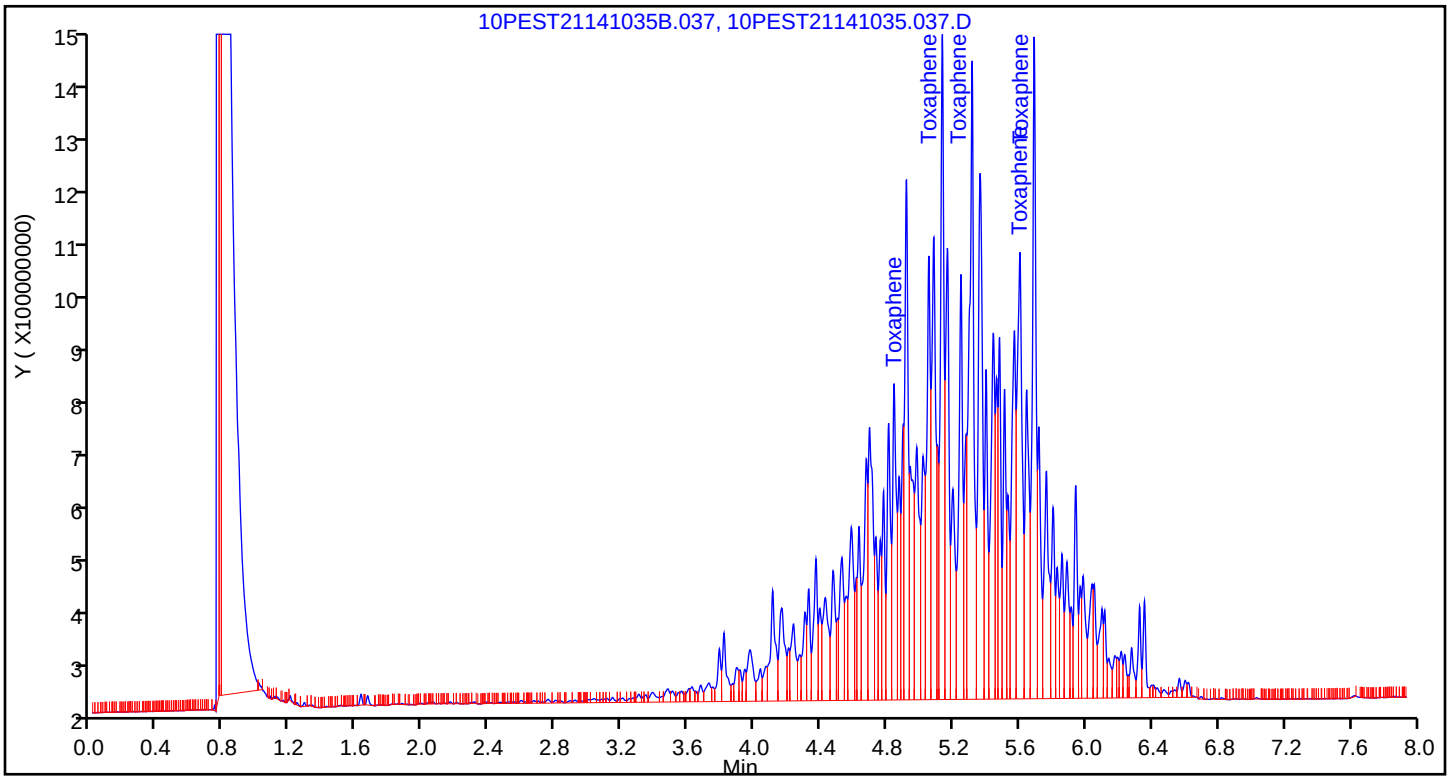
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-140248/1-A

Matrix: Water Lab File ID: 10PEST21141035.025.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 250(mL) Date Analyzed: 06/22/2021 11:01

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.020	0.0020
319-84-6	alpha-BHC	ND		0.020	0.0030
5103-71-9	alpha-Chlordane	ND		0.020	0.0030
319-86-8	delta-BHC	ND		0.020	0.0034
60-57-1	Dieldrin	ND		0.030	0.0053
959-98-8	Endosulfan I	ND		0.020	0.0043
33213-65-9	Endosulfan II	ND		0.040	0.015
1031-07-8	Endosulfan sulfate	ND		0.030	0.0058
72-20-8	Endrin	ND		0.030	0.0081
7421-93-4	Endrin aldehyde	ND		0.10	0.020
53494-70-5	Endrin ketone	ND		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	ND		0.020	0.0020
5103-74-2	gamma-Chlordane	ND		0.040	0.0070
76-44-8	Heptachlor	ND		0.020	0.0020
1024-57-3	Heptachlor epoxide	ND		0.020	0.0023
72-43-5	Methoxychlor	ND		0.11	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	ND		0.030	0.0050
72-55-9	p,p'-DDE	ND		0.030	0.0050
50-29-3	p,p'-DDT	ND		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	99		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	43		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.025.D
Lims ID: MB 410-140248/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Jun-2021 11:01:00 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-140248/1-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:48:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.825	-0.002	1061597259H	15.1	6.42	
2	2.365	2.368	-0.003	623577226H	15.1	6.22	
						RPD = 3.13	
2 Hexachlorobenzene							
1	2.163	2.167	-0.004	11872985H		0.0629	
2	2.770	2.777	-0.007	6349291H		0.0479	
						RPD = 27.09	
3 alpha-BHC							
1	2.233	2.232	0.001	657432H		0.002663	
2	2.702	2.702	0.000	639590H		0.004489	
						RPD = 51.05	
4 gamma-BHC (Lindane)							
1	2.520	2.520	0.000	489730H		0.002278	
2	2.988	2.990	-0.002	976937H		0.007962	
						RPD = 111.01	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)							U
1		2.663				ND	
1		3.237					
1		3.617					
1		3.792					
1		3.873					
2		3.352					
2		3.840					
2		4.225					
2		4.452					
2		4.490					
6 beta-BHC							
1	2.720	2.722	-0.002	18010953H		0.1812	
2	3.225	3.237	-0.012	1572368H		0.0268	
						RPD = 148.43	
7 Heptachlor							
1	2.815	2.820	-0.005	7253852H		0.0426	
2	3.538	3.543	-0.005	1355855H		0.0115	
						RPD = 115.29	
8 delta-BHC							
1	2.970	2.973	-0.003	197085H		0.000939	
2	3.477	3.477	0.000	3821578H		0.0295	
						RPD = 187.66	
9 Aldrin							
1	3.103	3.100	0.003	254883H		0.001445	
2	3.832	3.828	0.004	612269H		0.005226	
						RPD = 113.34	
10 Isobenzan							
1	3.213	3.205	0.008	500687H		0.004334	
2	3.938	3.937	0.001	200664H		0.002159	
						RPD = 67.01	
11 Heptachlor epoxide							
1	3.587	3.592	-0.005	521516H		0.003144	
2	4.202	4.197	0.005	840877H		0.007723	
						RPD = 84.27	
12 trans-Chlordane							
1	3.793	3.793	0.000	2819680H		0.0168	
2	4.453	4.453	0.000	375042H		0.003246	
						RPD = 135.33	
13 2,4'-DDE							
1	3.818	3.803	0.015	266399H		0.002362	
2	4.327	4.333	-0.006	928979H		0.0110	
						RPD = 129.29	
14 cis-Chlordane							7
1	3.880	3.875	0.005	243144H		0.001415	
2	4.490	4.492	-0.002	573622H		0.005066	
						RPD = 112.67	

LOD = 0.1159

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
15 Endosulfan I							7
1	3.913	3.918	-0.005	417112H		0.002575	
2	4.525	4.520	0.005	1196038H		0.0114	
						RPD = 126.25	
LOD = 0.1013							
16 4,4'-DDE							7
1	4.063	4.058	0.005	1441503H		0.008253	
2	4.622	4.615	0.007	351567H		0.003031	
						RPD = 92.56	
LOD = 0.2046							
17 Dieldrin							7
1	4.157	4.155	0.002	461188H		0.002630	
2	4.713	4.720	-0.007	610324H		0.005406	
						RPD = 69.10	
LOD = 0.2161							
18 2,4'-DDD							
1	4.220	4.222	-0.002	440610H		0.004979	
2	4.690	4.692	-0.002	113852H		0.001680	
						RPD = 99.09	
19 Endrin							7
1	4.392	4.405	-0.013	213588H		0.001314	
2	4.865	4.893	-0.028	1035426H		0.009776	
						RPD = 152.60	
LOD = 0.1389							
20 2,4'-DDT							
1	4.453	4.453	0.000	120836H		0.001325	
2	4.920	4.923	-0.003	29751647H		-0.2249	
						RPD = -202.37	
21 Kepone							
1	4.483	4.487	-0.004	559164H		0.006247	
2	5.115	5.115	0.000	1862350H		0.0326	
						RPD = 135.71	
22 4,4'-DDD							7
1	4.512	4.518	-0.006	297925H		0.002179	
2	4.993	5.005	-0.012	3438482H		0.0367	
						RPD = 177.56	
LOD = 0.1943							

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							U
1		4.530				ND	
1		4.633					
1		4.848					
1		5.135					
1		5.228					
2		4.845					
2		5.135					
2		5.315					
2		5.603					
2		5.690					
23 Endosulfan II							7
1	4.595	4.617	-0.022	75735003H		0.4772	
2	5.077	5.090	-0.013	27764237H		0.2832	
						RPD = 51.02	
LOD = 0.2854							
24 4,4'-DDT							7
1	4.722	4.728	-0.006	28555706H		0.2176	
2	5.237	5.228	0.009	3813154H		0.0439	
						RPD = 132.86	
LOD = 0.2113							
25 Endrin aldehyde							7
1	4.797	4.792	0.005	2550090H		0.0187	
2	5.157	5.170	-0.013	22203945H		0.2650	
						RPD = 173.57	
LOD = 0.2401							
26 Endosulfan sulfate							
1	4.945	4.943	0.002	262291H		0.001637	
2	5.377	5.377	0.000	1263043H		0.0128	
						RPD = 154.54	
28 Methoxychlor							7
1	5.245	5.235	0.010	6283846H		0.0941	
2	5.540	5.542	-0.002	560038H		0.0122	
						RPD = 154.02	
LOD = 1.24							
29 Endrin ketone							
1	5.362	5.375	-0.013	637699H		0.003822	
2	5.675	5.672	0.003	1160172H		0.0111	
						RPD = 97.28	
30 Mirex							
1	5.467	5.460	0.007	257821H		0.002064	
2	6.023	6.025	-0.002	872741H		0.0107	
						RPD = 135.45	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.133	6.137	-0.004	2580049501H	15.0	14.9	
2	6.638	6.645	-0.007	1303870144H	15.0	15.1	
						RPD = 1.13	
S 32 Total DDTs							
1						-0.1810	
2						0.2189	
						RPD = 2107.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 33 Endosulfan, Total							
1						0.2946	
2						0.4797	
						RPD = 47.82	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.025.D

Injection Date: 22-Jun-2021 11:01:00 Instrument ID: 9191

Lims ID: MB 410-140248/1-A

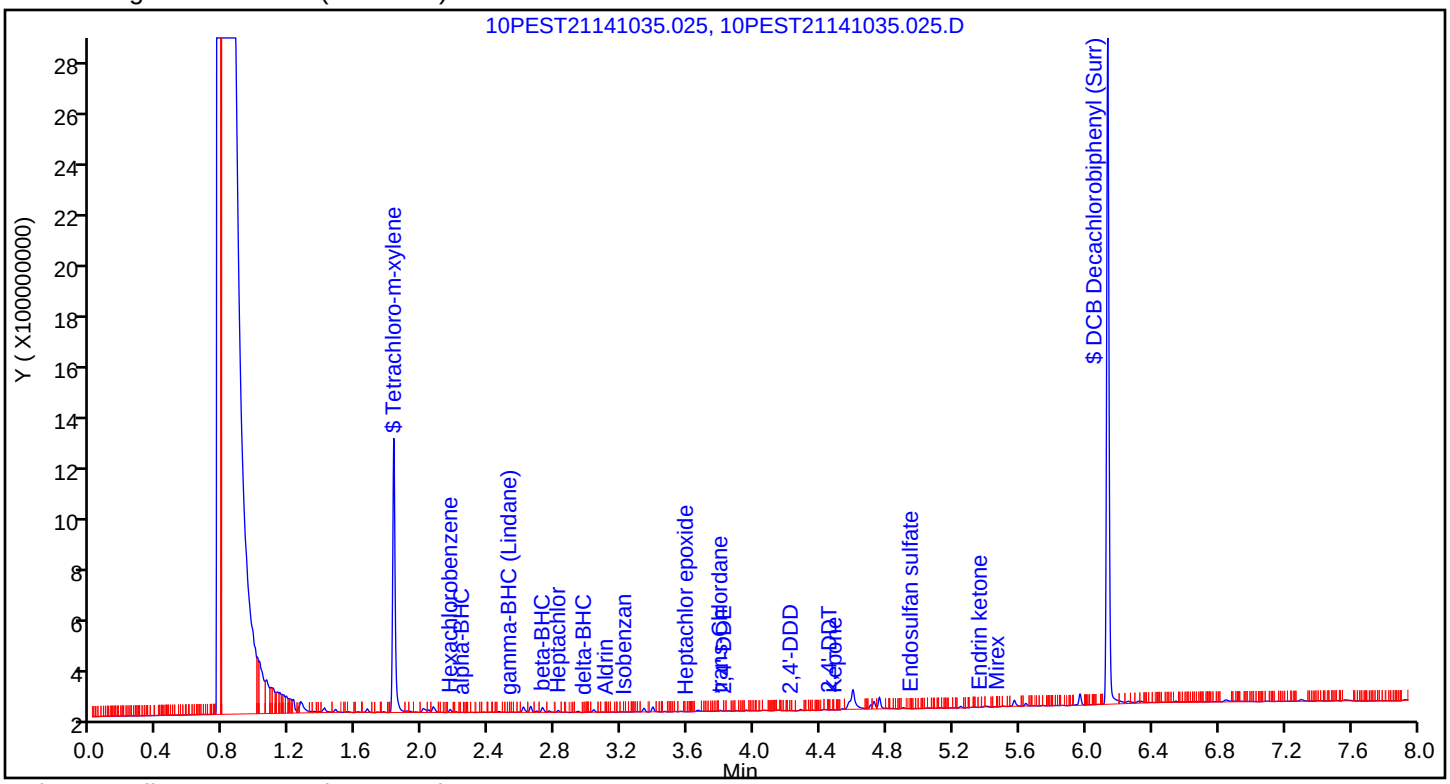
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 25

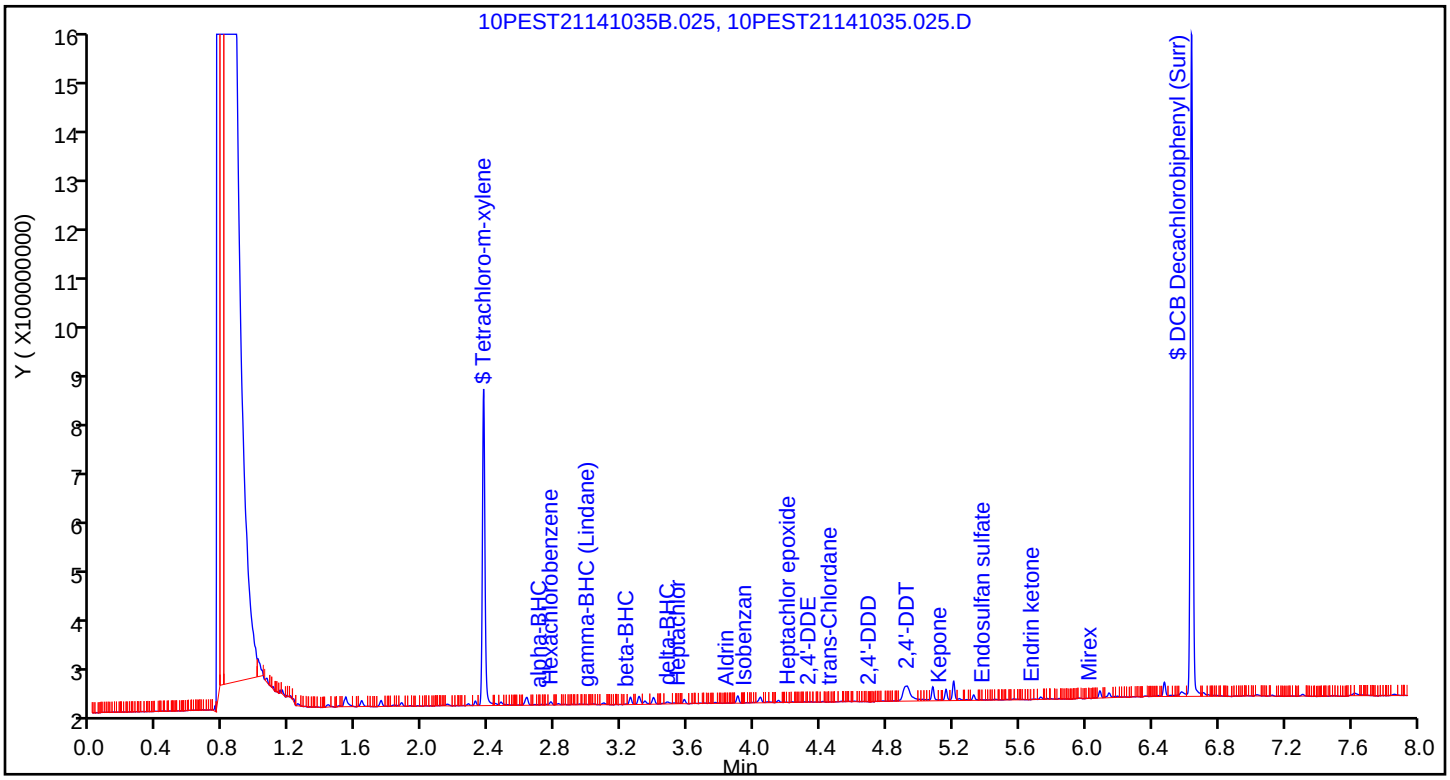
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-140248/1-A

Matrix: Water Lab File ID: 10PEST21141035.025.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 250(mL) Date Analyzed: 06/22/2021 11:01

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-85-7	beta-BHC	ND		0.020	0.0034

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	100		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	41		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.025.D
Lims ID: MB 410-140248/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Jun-2021 11:01:00 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-140248/1-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:48:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.825	-0.002	1061597259H	15.1	6.42	
2	2.365	2.368	-0.003	623577226H	15.1	6.22	
						RPD = 3.13	
2 Hexachlorobenzene							
1	2.163	2.167	-0.004	11872985H		0.0629	
2	2.770	2.777	-0.007	6349291H		0.0479	
						RPD = 27.09	
3 alpha-BHC							
1	2.233	2.232	0.001	657432H		0.002663	
2	2.702	2.702	0.000	639590H		0.004489	
						RPD = 51.05	
4 gamma-BHC (Lindane)							
1	2.520	2.520	0.000	489730H		0.002278	
2	2.988	2.990	-0.002	976937H		0.007962	
						RPD = 111.01	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)							U
1		2.663				ND	
1		3.237					
1		3.617					
1		3.792					
1		3.873					
2		3.352					
2		3.840					
2		4.225					
2		4.452					
2		4.490					
6 beta-BHC							
1	2.720	2.722	-0.002	18010953H		0.1812	
2	3.225	3.237	-0.012	1572368H		0.0268	
						RPD = 148.43	
7 Heptachlor							
1	2.815	2.820	-0.005	7253852H		0.0426	
2	3.538	3.543	-0.005	1355855H		0.0115	
						RPD = 115.29	
8 delta-BHC							
1	2.970	2.973	-0.003	197085H		0.000939	
2	3.477	3.477	0.000	3821578H		0.0295	
						RPD = 187.66	
9 Aldrin							
1	3.103	3.100	0.003	254883H		0.001445	
2	3.832	3.828	0.004	612269H		0.005226	
						RPD = 113.34	
10 Isobenzan							
1	3.213	3.205	0.008	500687H		0.004334	
2	3.938	3.937	0.001	200664H		0.002159	
						RPD = 67.01	
11 Heptachlor epoxide							
1	3.587	3.592	-0.005	521516H		0.003144	
2	4.202	4.197	0.005	840877H		0.007723	
						RPD = 84.27	
12 trans-Chlordane							
1	3.793	3.793	0.000	2819680H		0.0168	
2	4.453	4.453	0.000	375042H		0.003246	
						RPD = 135.33	
13 2,4'-DDE							
1	3.818	3.803	0.015	266399H		0.002362	
2	4.327	4.333	-0.006	928979H		0.0110	
						RPD = 129.29	
14 cis-Chlordane							7
1	3.880	3.875	0.005	243144H		0.001415	
2	4.490	4.492	-0.002	573622H		0.005066	
						RPD = 112.67	

LOD = 0.1159

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
15 Endosulfan I							7
1	3.913	3.918	-0.005	417112H		0.002575	
2	4.525	4.520	0.005	1196038H		0.0114	
						RPD = 126.25	
LOD = 0.1013							
16 4,4'-DDE							7
1	4.063	4.058	0.005	1441503H		0.008253	
2	4.622	4.615	0.007	351567H		0.003031	
						RPD = 92.56	
LOD = 0.2046							
17 Dieldrin							7
1	4.157	4.155	0.002	461188H		0.002630	
2	4.713	4.720	-0.007	610324H		0.005406	
						RPD = 69.10	
LOD = 0.2161							
18 2,4'-DDD							
1	4.220	4.222	-0.002	440610H		0.004979	
2	4.690	4.692	-0.002	113852H		0.001680	
						RPD = 99.09	
19 Endrin							7
1	4.392	4.405	-0.013	213588H		0.001314	
2	4.865	4.893	-0.028	1035426H		0.009776	
						RPD = 152.60	
LOD = 0.1389							
20 2,4'-DDT							
1	4.453	4.453	0.000	120836H		0.001325	
2	4.920	4.923	-0.003	29751647H		-0.2249	
						RPD = -202.37	
21 Kepone							
1	4.483	4.487	-0.004	559164H		0.006247	
2	5.115	5.115	0.000	1862350H		0.0326	
						RPD = 135.71	
22 4,4'-DDD							7
1	4.512	4.518	-0.006	297925H		0.002179	
2	4.993	5.005	-0.012	3438482H		0.0367	
						RPD = 177.56	
LOD = 0.1943							

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
27 Toxaphene							U
1		4.530				ND	
1		4.633					
1		4.848					
1		5.135					
1		5.228					
2		4.845					
2		5.135					
2		5.315					
2		5.603					
2		5.690					
23 Endosulfan II							7
1	4.595	4.617	-0.022	75735003H		0.4772	
2	5.077	5.090	-0.013	27764237H		0.2832	
						RPD = 51.02	
LOD = 0.2854							
24 4,4'-DDT							7
1	4.722	4.728	-0.006	28555706H		0.2176	
2	5.237	5.228	0.009	3813154H		0.0439	
						RPD = 132.86	
LOD = 0.2113							
25 Endrin aldehyde							7
1	4.797	4.792	0.005	2550090H		0.0187	
2	5.157	5.170	-0.013	22203945H		0.2650	
						RPD = 173.57	
LOD = 0.2401							
26 Endosulfan sulfate							
1	4.945	4.943	0.002	262291H		0.001637	
2	5.377	5.377	0.000	1263043H		0.0128	
						RPD = 154.54	
28 Methoxychlor							7
1	5.245	5.235	0.010	6283846H		0.0941	
2	5.540	5.542	-0.002	560038H		0.0122	
						RPD = 154.02	
LOD = 1.24							
29 Endrin ketone							
1	5.362	5.375	-0.013	637699H		0.003822	
2	5.675	5.672	0.003	1160172H		0.0111	
						RPD = 97.28	
30 Mirex							
1	5.467	5.460	0.007	257821H		0.002064	
2	6.023	6.025	-0.002	872741H		0.0107	
						RPD = 135.45	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.133	6.137	-0.004	2580049501H	15.0	14.9	
2	6.638	6.645	-0.007	1303870144H	15.0	15.1	
						RPD = 1.13	
S 32 Total DDTs							
1						-0.1810	
2						0.2189	
						RPD = 2107.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 33 Endosulfan, Total							
1						0.2946	
2						0.4797	
						RPD = 47.82	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.025.D

Injection Date: 22-Jun-2021 11:01:00 Instrument ID: 9191

Lims ID: MB 410-140248/1-A

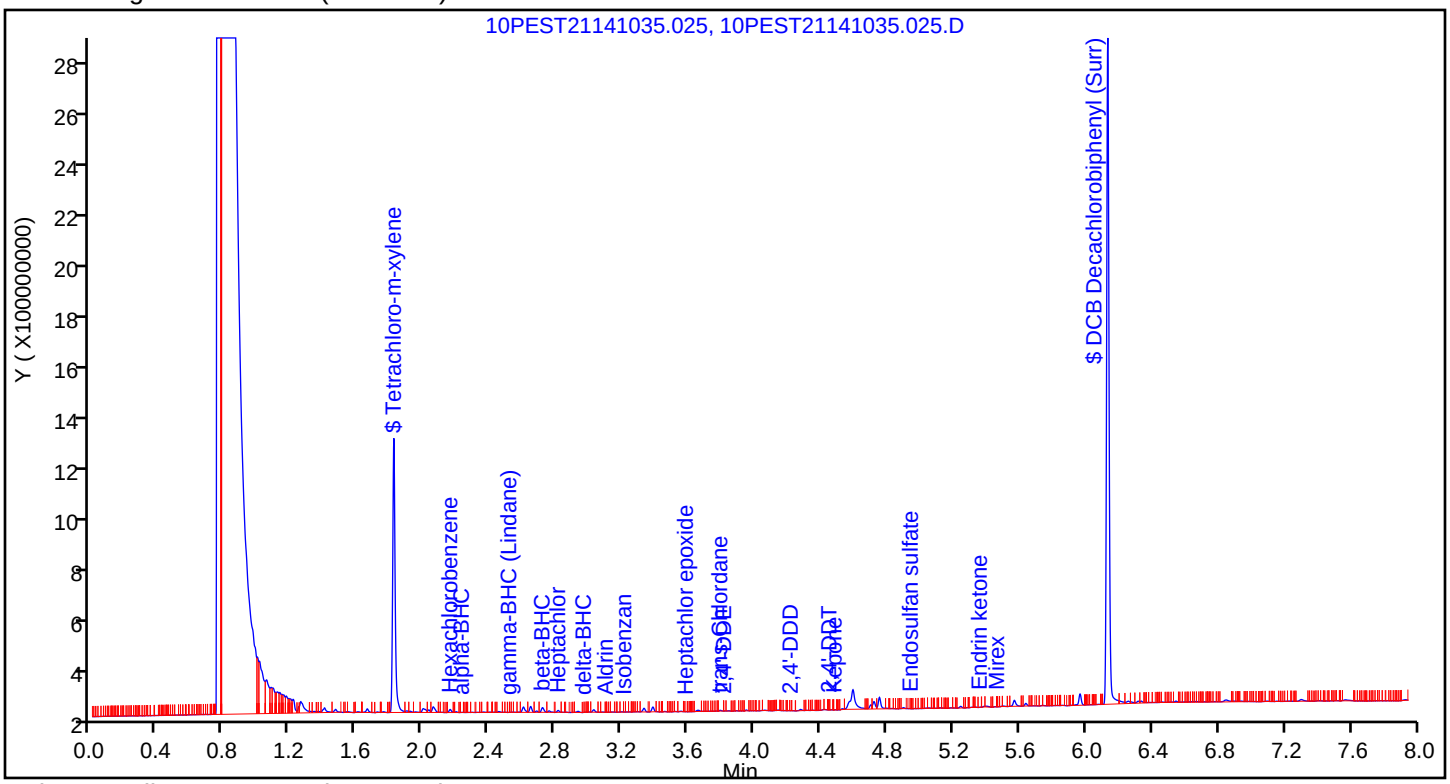
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 25

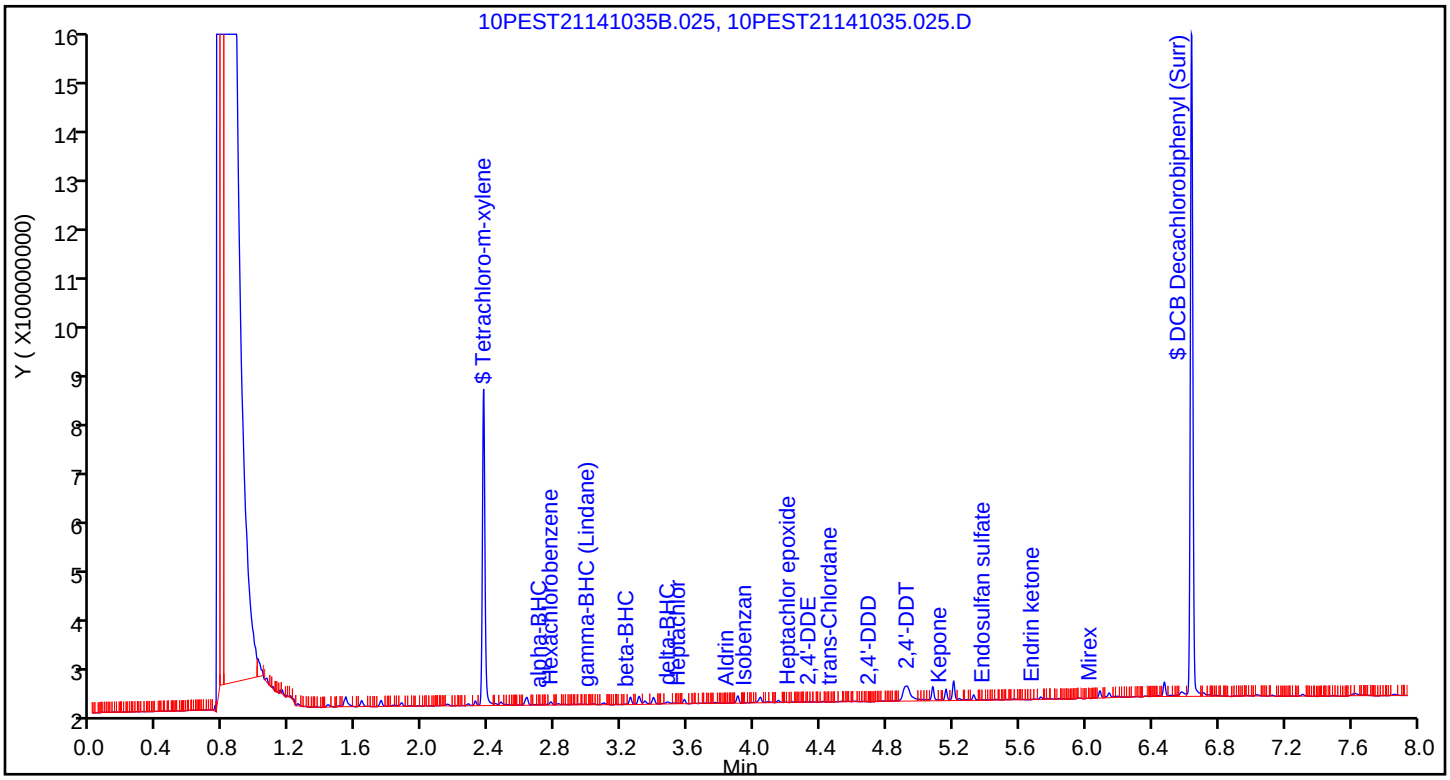
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-140255/1-A

Matrix: Water Lab File ID: 10PEST21141035.015.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 250(mL) Date Analyzed: 06/22/2021 08:58

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.020	0.0020
319-84-6	alpha-BHC	ND		0.020	0.0030
5103-71-9	alpha-Chlordane	ND		0.020	0.0030
319-86-8	delta-BHC	ND		0.020	0.0034
60-57-1	Dieldrin	ND		0.030	0.0053
959-98-8	Endosulfan I	ND		0.020	0.0043
33213-65-9	Endosulfan II	ND		0.040	0.015
1031-07-8	Endosulfan sulfate	ND		0.030	0.0058
72-20-8	Endrin	ND		0.030	0.0081
7421-93-4	Endrin aldehyde	ND		0.10	0.020
53494-70-5	Endrin ketone	ND		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	ND		0.020	0.0020
5103-74-2	gamma-Chlordane	ND		0.040	0.0070
76-44-8	Heptachlor	ND		0.020	0.0020
1024-57-3	Heptachlor epoxide	ND		0.020	0.0023
72-43-5	Methoxychlor	ND		0.11	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	ND		0.030	0.0050
72-55-9	p,p'-DDE	ND		0.030	0.0050
50-29-3	p,p'-DDT	ND		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	29	S1-	32-149
877-09-8	Tetrachloro-m-xylene (Surr)	20	S1-	29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.015.D
Lims ID: MB 410-140255/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Jun-2021 08:58:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-140255/1-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:45:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.825	-0.002	498513626H	15.1	3.01	
2	2.372	2.368	0.004	293301970H	15.1	2.93	
						RPD = 2.96	
2 Hexachlorobenzene							
1	2.163	2.167	-0.004	3983746H		0.0211	
2	2.777	2.777	0.000	2470721H		0.0186	
						RPD = 12.42	
3 alpha-BHC							
1	2.235	2.232	0.003	306107H		0.001240	
2	2.700	2.702	-0.002	1121379H		0.007870	
						RPD = 145.55	
4 gamma-BHC (Lindane)							
1	2.518	2.520	-0.002	1568110H		0.007294	
2	2.993	2.990	0.003	1882505H		0.0153	
						RPD = 71.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)							U
1		2.663				ND	
1		3.237					
1		3.617					
1		3.792					
1		3.873					
2		3.352					
2		3.840					
2		4.225					
2		4.452					
2		4.490					
6 beta-BHC							
1	2.722	2.722	0.000	18942342H		0.1905	
2	3.233	3.237	-0.004	1622885H		0.0277	
						RPD = 149.27	
7 Heptachlor							
1	2.815	2.820	-0.005	9746702H		0.0573	
2	3.540	3.543	-0.003	591375H		0.004997	
						RPD = 167.91	
8 delta-BHC							
1	2.982	2.973	0.009	545539H		0.002599	
2	3.480	3.477	0.003	2660620H		0.0205	
						RPD = 155.07	
9 Aldrin							
1	3.108	3.100	0.008	346044H		0.001962	
2	3.827	3.828	-0.001	320716H		0.002737	
						RPD = 32.98	
10 Isobenzan							
1	3.197	3.205	-0.008	2580640H		0.0223	
2	3.935	3.937	-0.002	533522H		0.005740	
						RPD = 118.23	
11 Heptachlor epoxide							
1	3.590	3.592	-0.002	410870H		0.002477	
2	4.200	4.197	0.003	3212266H		0.0295	
						RPD = 169.02	
12 trans-Chlordane							
1	3.797	3.793	0.004	694273H		0.004144	
2	4.457	4.453	0.004	544215H		0.004710	
						RPD = 12.78	
13 2,4'-DDE							
1	3.810	3.803	0.007	1336290H		0.0118	
2	4.337	4.333	0.004	224906H		0.002663	
						RPD = 126.59	
14 cis-Chlordane							7
1	3.870	3.875	-0.005	441970H		0.002572	
2	4.498	4.492	0.006	1018866H		0.008999	
						RPD = 111.09	

LOD = 0.1159

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
15 Endosulfan I							7
1	3.922	3.918	0.004	914182H		0.005643	
2	4.518	4.520	-0.002	931795H		0.008875	
						RPD = 44.52	
LOD = 0.1013							
16 4,4'-DDE							7
1	4.058	4.058	0.000	2258950H		0.0129	
2	4.618	4.615	0.003	488189H		0.004209	
						RPD = 101.79	
LOD = 0.2046							
17 Dieldrin							7
1	4.143	4.155	-0.012	7011812H		0.0400	
2	4.722	4.720	0.002	406245H		0.003598	
						RPD = 166.97	
LOD = 0.2161							
18 2,4'-DDD							
1	4.215	4.222	-0.007	178256H		0.002014	
2	4.685	4.692	-0.007	946367H		0.0140	
						RPD = 149.57	
19 Endrin							
1		4.405				ND	
2		4.893					
20 2,4'-DDT							
1	4.462	4.453	0.009	1617995H		0.0177	
2	4.925	4.923	0.002	32069984H		-0.1899	
						RPD = -241.21	
21 Kepone							
1	4.498	4.487	0.011	1178817H		0.0132	
2	5.115	5.115	0.000	1288792H		0.0226	
						RPD = 52.63	
22 4,4'-DDD							7
1	4.527	4.518	0.009	2409554H		0.0176	
2	5.007	5.005	0.002	3931055H		0.0419	
						RPD = 81.60	
LOD = 0.1943							
27 Toxaphene							U
1		4.530				ND	
1		4.633					
1		4.848					
1		5.135					
1		5.228					
2		4.845					
2		5.135					
2		5.315					
2		5.603					
2		5.690					
23 Endosulfan II							7
1	4.595	4.617	-0.022	46433463H		0.2926	
2	5.102	5.090	0.012	2034788H		0.0208	
						RPD = 173.50	
LOD = 0.2854							

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 4,4'-DDT							7
1	4.733	4.728	0.005	9104585H		0.0694	
2	5.227	5.228	-0.001	893522H		0.0103	
						RPD = 148.36	
LOD = 0.2113							
25 Endrin aldehyde							7
1	4.788	4.792	-0.004	2607291H		0.0192	
2	5.173	5.170	0.003	2220285H		0.0265	
						RPD = 32.10	
LOD = 0.2401							
26 Endosulfan sulfate							
1	4.938	4.943	-0.005	234810H		0.001465	
2	5.373	5.377	-0.004	1911636H		0.0193	
						RPD = 171.80	
28 Methoxychlor							7
1	5.245	5.235	0.010	2748511H		0.0412	
2	5.540	5.542	-0.002	490449H		0.0107	
						RPD = 117.45	
LOD = 1.24							
29 Endrin ketone							
1	5.385	5.375	0.010	2739283H		0.0164	
2	5.667	5.672	-0.005	403563H		0.003847	
						RPD = 124.05	
30 Mirex							
1	5.462	5.460	0.002	824697H		0.006602	
2	6.027	6.025	0.002	816208H		0.0100	
						RPD = 41.23	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.132	6.137	-0.005	743655927H	15.0	4.29	
2	6.643	6.645	-0.002	378284527H	15.0	4.37	
						RPD = 1.78	
S 32 Total DDTs							
1						-0.1796	
2						0.0871	
						RPD = -576.77	
S 33 Endosulfan, Total							
1						0.0296	
2						0.2982	
						RPD = 163.85	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:31 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.015.D

Injection Date: 22-Jun-2021 08:58:00 Instrument ID: 9191

Lims ID: MB 410-140255/1-A

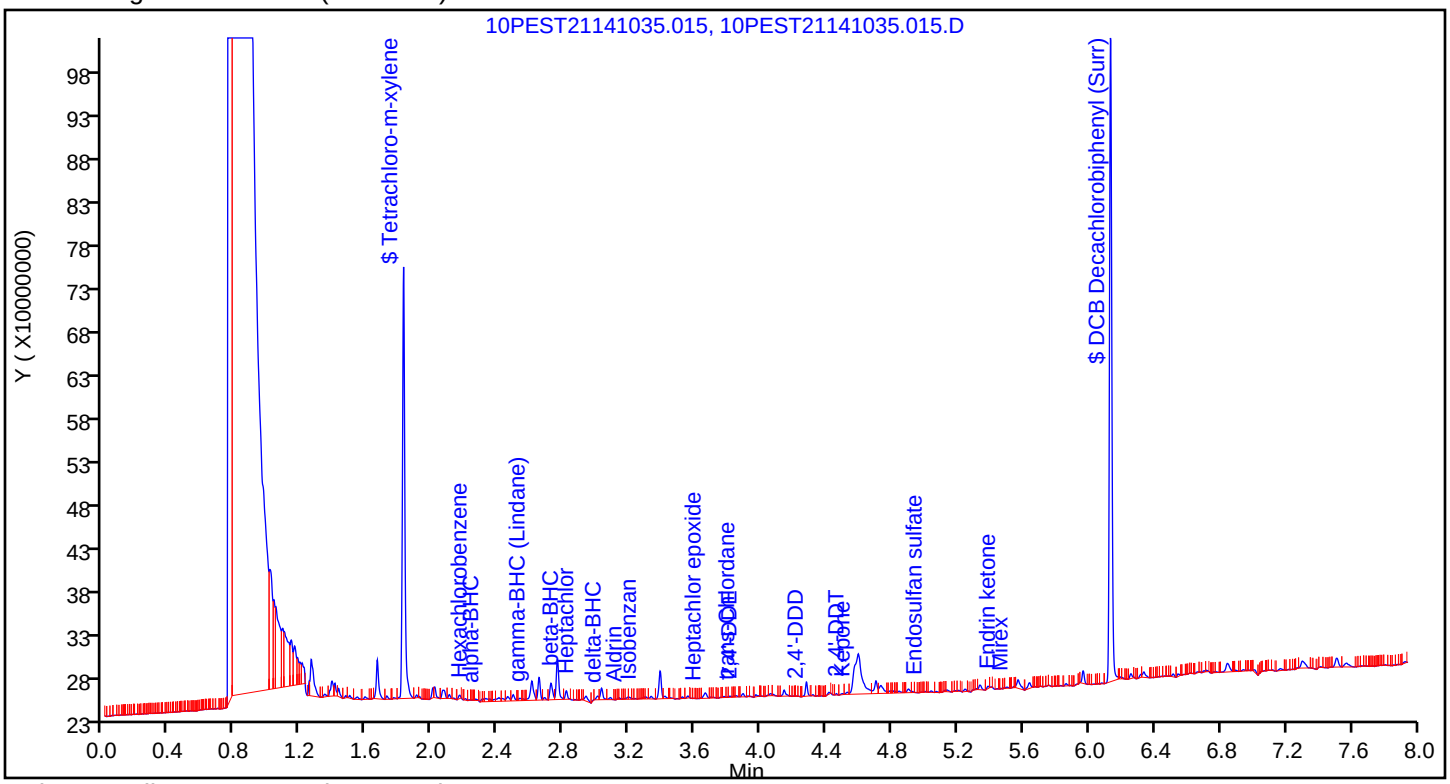
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 15

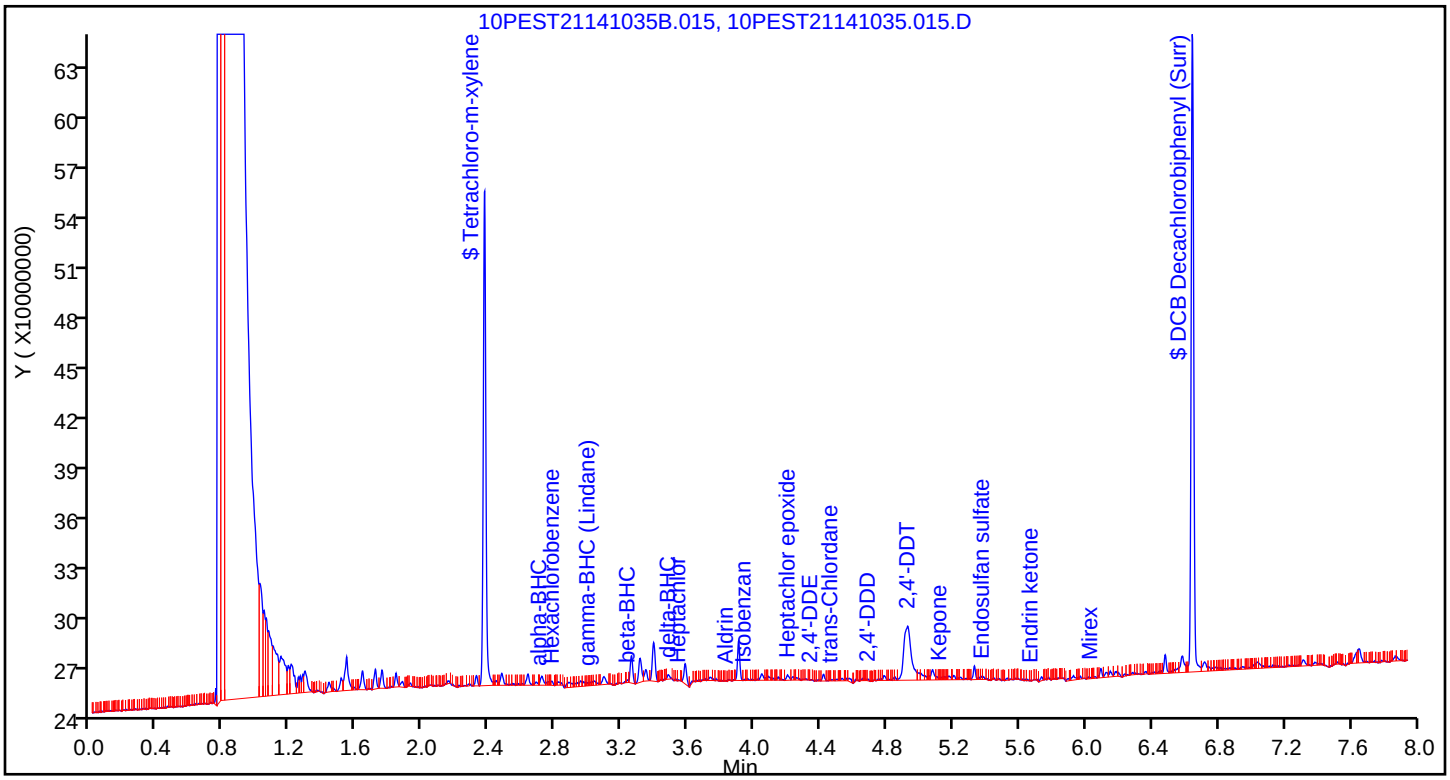
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-140255/1-A

Matrix: Water Lab File ID: 10PEST21141035.015.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 250(mL) Date Analyzed: 06/22/2021 08:58

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-85-7	beta-BHC	ND		0.020	0.0034

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	29	S1-	32-149
877-09-8	Tetrachloro-m-xylene (Surr)	19	S1-	29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.015.D
Lims ID: MB 410-140255/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Jun-2021 08:58:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-140255/1-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:45:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.825	-0.002	498513626H	15.1	3.01	
2	2.372	2.368	0.004	293301970H	15.1	2.93	
						RPD = 2.96	
2 Hexachlorobenzene							
1	2.163	2.167	-0.004	3983746H		0.0211	
2	2.777	2.777	0.000	2470721H		0.0186	
						RPD = 12.42	
3 alpha-BHC							
1	2.235	2.232	0.003	306107H		0.001240	
2	2.700	2.702	-0.002	1121379H		0.007870	
						RPD = 145.55	
4 gamma-BHC (Lindane)							
1	2.518	2.520	-0.002	1568110H		0.007294	
2	2.993	2.990	0.003	1882505H		0.0153	
						RPD = 71.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)							U
1		2.663				ND	
1		3.237					
1		3.617					
1		3.792					
1		3.873					
2		3.352					
2		3.840					
2		4.225					
2		4.452					
2		4.490					
6 beta-BHC							
1	2.722	2.722	0.000	18942342H		0.1905	
2	3.233	3.237	-0.004	1622885H		0.0277	
						RPD = 149.27	
7 Heptachlor							
1	2.815	2.820	-0.005	9746702H		0.0573	
2	3.540	3.543	-0.003	591375H		0.004997	
						RPD = 167.91	
8 delta-BHC							
1	2.982	2.973	0.009	545539H		0.002599	
2	3.480	3.477	0.003	2660620H		0.0205	
						RPD = 155.07	
9 Aldrin							
1	3.108	3.100	0.008	346044H		0.001962	
2	3.827	3.828	-0.001	320716H		0.002737	
						RPD = 32.98	
10 Isobenzan							
1	3.197	3.205	-0.008	2580640H		0.0223	
2	3.935	3.937	-0.002	533522H		0.005740	
						RPD = 118.23	
11 Heptachlor epoxide							
1	3.590	3.592	-0.002	410870H		0.002477	
2	4.200	4.197	0.003	3212266H		0.0295	
						RPD = 169.02	
12 trans-Chlordane							
1	3.797	3.793	0.004	694273H		0.004144	
2	4.457	4.453	0.004	544215H		0.004710	
						RPD = 12.78	
13 2,4'-DDE							
1	3.810	3.803	0.007	1336290H		0.0118	
2	4.337	4.333	0.004	224906H		0.002663	
						RPD = 126.59	
14 cis-Chlordane							7
1	3.870	3.875	-0.005	441970H		0.002572	
2	4.498	4.492	0.006	1018866H		0.008999	
						RPD = 111.09	

LOD = 0.1159

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
15 Endosulfan I							7
1	3.922	3.918	0.004	914182H		0.005643	
2	4.518	4.520	-0.002	931795H		0.008875	
						RPD = 44.52	
LOD = 0.1013							
16 4,4'-DDE							7
1	4.058	4.058	0.000	2258950H		0.0129	
2	4.618	4.615	0.003	488189H		0.004209	
						RPD = 101.79	
LOD = 0.2046							
17 Dieldrin							7
1	4.143	4.155	-0.012	7011812H		0.0400	
2	4.722	4.720	0.002	406245H		0.003598	
						RPD = 166.97	
LOD = 0.2161							
18 2,4'-DDD							
1	4.215	4.222	-0.007	178256H		0.002014	
2	4.685	4.692	-0.007	946367H		0.0140	
						RPD = 149.57	
19 Endrin							
1		4.405				ND	
2		4.893					
20 2,4'-DDT							
1	4.462	4.453	0.009	1617995H		0.0177	
2	4.925	4.923	0.002	32069984H		-0.1899	
						RPD = -241.21	
21 Kepone							
1	4.498	4.487	0.011	1178817H		0.0132	
2	5.115	5.115	0.000	1288792H		0.0226	
						RPD = 52.63	
22 4,4'-DDD							7
1	4.527	4.518	0.009	2409554H		0.0176	
2	5.007	5.005	0.002	3931055H		0.0419	
						RPD = 81.60	
LOD = 0.1943							
27 Toxaphene							U
1		4.530				ND	
1		4.633					
1		4.848					
1		5.135					
1		5.228					
2		4.845					
2		5.135					
2		5.315					
2		5.603					
2		5.690					
23 Endosulfan II							7
1	4.595	4.617	-0.022	46433463H		0.2926	
2	5.102	5.090	0.012	2034788H		0.0208	
						RPD = 173.50	
LOD = 0.2854							

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 4,4'-DDT							7
1	4.733	4.728	0.005	9104585H		0.0694	
2	5.227	5.228	-0.001	893522H		0.0103	
						RPD = 148.36	
LOD = 0.2113							
25 Endrin aldehyde							7
1	4.788	4.792	-0.004	2607291H		0.0192	
2	5.173	5.170	0.003	2220285H		0.0265	
						RPD = 32.10	
LOD = 0.2401							
26 Endosulfan sulfate							
1	4.938	4.943	-0.005	234810H		0.001465	
2	5.373	5.377	-0.004	1911636H		0.0193	
						RPD = 171.80	
28 Methoxychlor							7
1	5.245	5.235	0.010	2748511H		0.0412	
2	5.540	5.542	-0.002	490449H		0.0107	
						RPD = 117.45	
LOD = 1.24							
29 Endrin ketone							
1	5.385	5.375	0.010	2739283H		0.0164	
2	5.667	5.672	-0.005	403563H		0.003847	
						RPD = 124.05	
30 Mirex							
1	5.462	5.460	0.002	824697H		0.006602	
2	6.027	6.025	0.002	816208H		0.0100	
						RPD = 41.23	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.132	6.137	-0.005	743655927H	15.0	4.29	
2	6.643	6.645	-0.002	378284527H	15.0	4.37	
						RPD = 1.78	
S 32 Total DDTs							
1						-0.1796	
2						0.0871	
						RPD = -576.77	
S 33 Endosulfan, Total							
1						0.0296	
2						0.2982	
						RPD = 163.85	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:32 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.015.D

Injection Date: 22-Jun-2021 08:58:00 Instrument ID: 9191

Lims ID: MB 410-140255/1-A

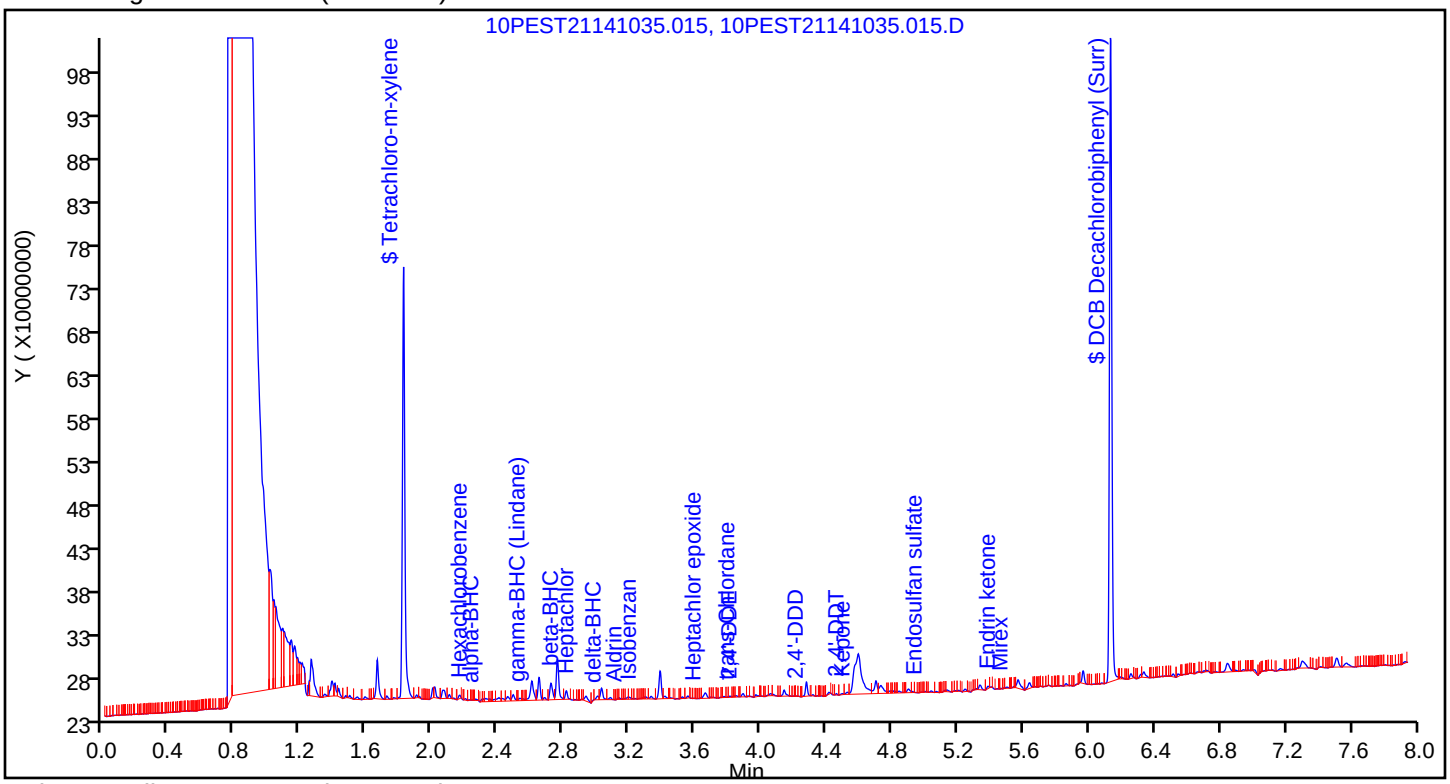
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 15

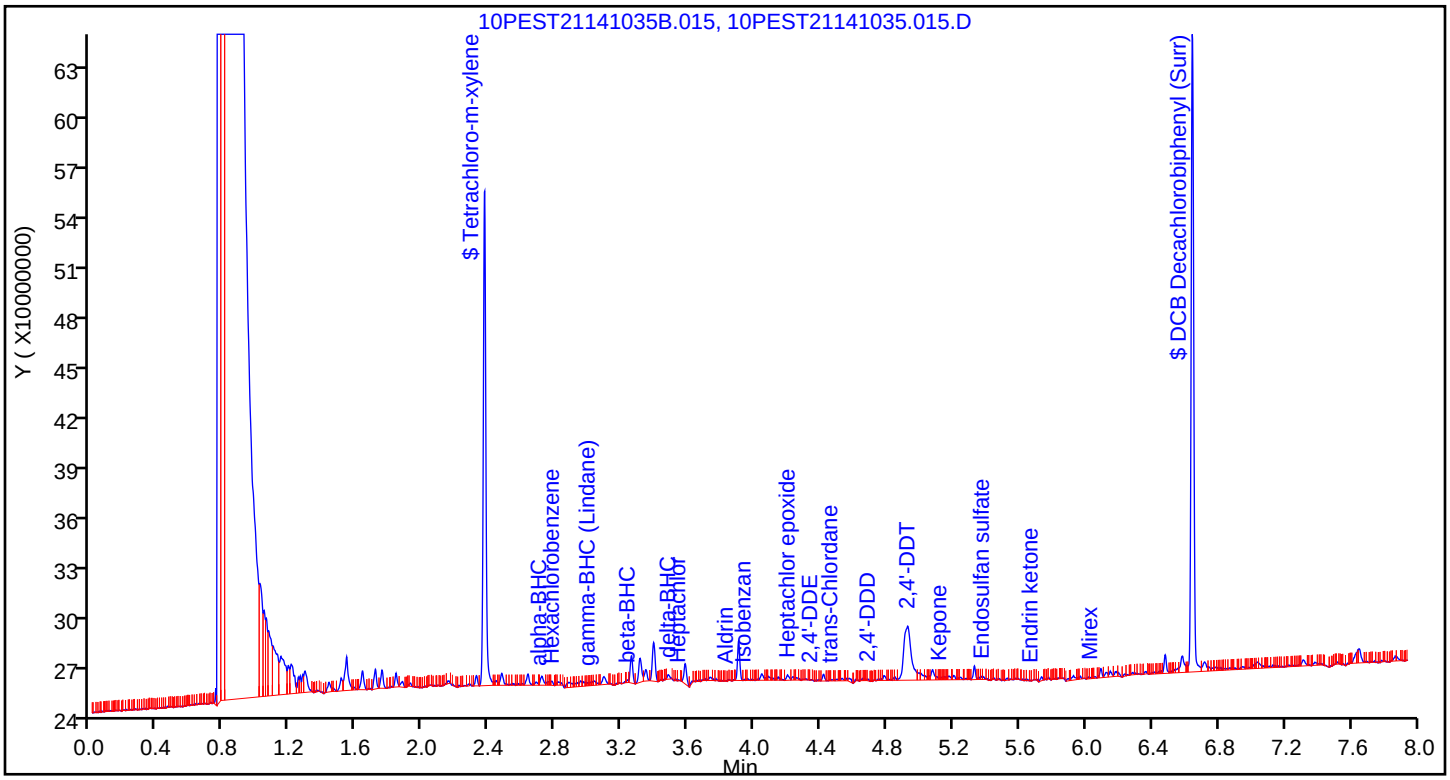
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 410-140420/2

Matrix: Water Lab File ID: 10PEST21141035.002.D

Analysis Method: 8081B Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 06/22/2021 05:54

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.50	0.10
319-84-6	alpha-BHC	ND		0.50	0.15
5103-71-9	alpha-Chlordane	ND		0.50	0.15
319-85-7	beta-BHC	ND		0.50	0.17
319-86-8	delta-BHC	ND		0.50	0.17
60-57-1	Dieldrin	ND		1.0	0.27
959-98-8	Endosulfan I	ND		0.50	0.22
33213-65-9	Endosulfan II	ND		1.5	0.75
1031-07-8	Endosulfan sulfate	ND		1.0	0.29
72-20-8	Endrin	ND		1.0	0.41
7421-93-4	Endrin aldehyde	ND		5.0	1.0
53494-70-5	Endrin ketone	ND		1.0	0.25
58-89-9	gamma-BHC (Lindane)	ND		0.50	0.10
5103-74-2	gamma-Chlordane	ND		1.0	0.35
76-44-8	Heptachlor	ND		0.50	0.10
1024-57-3	Heptachlor epoxide	ND		0.50	0.12
72-43-5	Methoxychlor	ND		5.0	1.5
8001-35-2	Toxaphene	ND		50	15
72-54-8	p,p'-DDD	ND		1.0	0.25
72-55-9	p,p'-DDE	ND		1.0	0.25
50-29-3	p,p'-DDT	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	88		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	90		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.002.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 22-Jun-2021 05:54:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:22:02 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.825	1.825	0.000	2970406457H	20.0	18.0	
2	2.368	2.368	0.000	1849168492H	20.0	18.4	
						RPD = 2.68	
2 Hexachlorobenzene							
1	2.163	2.167	-0.004	217235H		0.001150	
2	2.770	2.777	-0.007	824793H		0.006218	
						RPD = 137.56	
3 alpha-BHC							
1	2.233	2.232	0.001	341649H		0.001384	
2	2.700	2.702	-0.002	205339H		0.001441	
						RPD = 4.04	
4 gamma-BHC (Lindane)							
1	2.522	2.520	0.002	231096H		0.001075	
2	2.985	2.990	-0.005	853255H		0.006954	
						RPD = 146.44	
5 Chlordane (n.o.s.)							
1	2.687	2.663	0.024	18554051H		4.04	
1	3.258	3.237	0.021	492218H		0.1583	
1	3.603	3.617	-0.014	334438H		0.0983	
1	3.810	3.792	0.018	542450H		0.0370	
1	3.845	3.873	-0.028	510259H		0.0427	
		Average of Peak Amounts =				0.8754	
2	3.348	3.352	-0.004	832031H		0.2262	
2	3.837	3.840	-0.003	708875H		0.1950	
2	4.230	4.225	0.005	1001812H		0.3014	
2	4.455	4.452	0.003	1056961H		0.0750	
2	4.492	4.490	0.002	672698H		0.0728	
		Average of Peak Amounts =				0.1741	
						RPD = 133.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 beta-BHC							
1	2.727	2.722	0.005	3836831H		0.0386	
2	3.237	3.237	0.000	380740H		0.006493	
						RPD = 142.39	
7 Heptachlor							
1	2.818	2.820	-0.002	177917H		0.001046	
2	3.542	3.543	-0.001	519646H		0.004391	
						RPD = 123.05	
8 delta-BHC							
1	2.968	2.973	-0.005	438460H		0.002089	
2	3.478	3.477	0.001	279155H		0.002155	
						RPD = 3.11	
9 Aldrin							
1	3.103	3.100	0.003	520602H		0.002952	
2	3.825	3.828	-0.003	440773H		0.003762	
						RPD = 24.12	
10 Isobenzan							
1	3.205	3.205	0.000	4554132H		0.0394	
2	3.938	3.937	0.001	273465H		0.002942	
						RPD = 172.22	
11 Heptachlor epoxide							
1	3.580	3.592	-0.012	472749H		0.002850	
2	4.197	4.197	0.000	348639H		0.003202	
						RPD = 11.63	
12 trans-Chlordane							
1	3.793	3.793	0.000	119002H		0.000710	
2	4.455	4.453	0.002	1056961H		0.009148	
						RPD = 171.18	
13 2,4'-DDE							
1	3.800	3.803	-0.003	105075H		0.000932	
2	4.327	4.333	-0.006	280242H		0.003318	
						RPD = 112.31	
14 cis-Chlordane							7
1	3.890	3.875	0.015	264005H		0.001536	
2	4.492	4.492	0.000	672698H		0.005941	
						RPD = 117.82	
LOD = 0.1159							
15 Endosulfan I							7
1	3.915	3.918	-0.003	802636H		0.004955	
2	4.517	4.520	-0.003	314969H		0.003000	
						RPD = 49.15	
LOD = 0.1013							
16 4,4'-DDE							7
1	4.065	4.058	0.007	6283814H		0.0360	
2	4.610	4.615	-0.005	600481H		0.005177	
						RPD = 149.68	
LOD = 0.2046							
17 Dieldrin							7
1	4.152	4.155	-0.003	152110H		0.000867	
2	4.725	4.720	0.005	1330292H		0.0118	
						RPD = 172.57	
LOD = 0.2161							

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
18 2,4'-DDD							
1	4.225	4.222	0.003	633292H		0.007156	
2	4.688	4.692	-0.004	356473H		0.005259	
						RPD = 30.55	
19 Endrin							7
1	4.397	4.405	-0.008	201964H		0.001243	
2	4.872	4.893	-0.021	374654H		0.003537	
						RPD = 96.01	
LOD = 0.1389							
20 2,4'-DDT							
1	4.465	4.453	0.012	49484H		0.000542	
2	4.925	4.923	0.002	25745986H		-0.2853	
						RPD = -200.76	
21 Kepone							
1	4.488	4.487	0.001	95837H		0.001071	
2	5.108	5.115	-0.007	1038732H		0.0182	
						RPD = 177.77	
22 4,4'-DDD							7
1	4.525	4.518	0.007	131359H		0.000961	
2	5.008	5.005	0.003	2046595H		0.0218	
						RPD = 183.13	
LOD = 0.1943							
27 Toxaphene							
1	4.525	4.530	-0.005	131359H		0.0506	
1	0.000	4.633	-4.633	0H		0	
1	4.843	4.848	-0.005	762495H		0.3083	
1	5.125	5.135	-0.010	1831702H		0.6939	
1	5.227	5.228	-0.001	150811H		0.0506	
		Average of Peak Amounts =				0.2758	
2	4.843	4.845	-0.002	752625H		-32.5	
2	5.132	5.135	-0.003	593788H		0.2729	
2	5.310	5.315	-0.005	594406H		0.2927	
2	5.600	5.603	-0.003	269001H		0.1995	
2	5.692	5.690	0.002	544150H		0.2681	
		Average of Peak Amounts =				-6.28	
						RPD = -218.37	
23 Endosulfan II							7
1	4.598	4.617	-0.019	33786158H		0.2129	
2	5.087	5.090	-0.003	492718H		0.005026	
						RPD = 190.77	
LOD = 0.2854							
24 4,4'-DDT							7
1	4.727	4.728	-0.001	5346626H		0.0407	
2	5.235	5.228	0.007	500420H		0.005759	
						RPD = 150.46	
LOD = 0.2113							
25 Endrin aldehyde							7
1	4.785	4.792	-0.007	1346410H		0.009899	
2	5.160	5.170	-0.010	2130628H		0.0254	
						RPD = 87.92	
LOD = 0.2401							

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 Endosulfan sulfate							
1	4.942	4.943	-0.001	169329H		0.001057	
2	5.375	5.377	-0.002	368023H		0.003720	
						RPD = 111.51	
28 Methoxychlor							7
1	5.227	5.235	-0.008	150811H		0.002260	
2	5.542	5.542	0.000	559853H		0.0122	
						RPD = 137.60	
LOD = 1.24							
29 Endrin ketone							
1	5.377	5.375	0.002	171676H		0.001029	
2	5.665	5.672	-0.007	856501H		0.008166	
						RPD = 155.24	
30 Mirex							
1	5.457	5.460	-0.003	423479H		0.003390	
2	6.022	6.025	-0.003	673852H		0.008281	
						RPD = 83.81	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.137	6.137	0.000	3034839412H	20.0	17.5	
2	6.647	6.645	0.002	1704933628H	20.0	19.7	
						RPD = 11.70	
S 32 Total DDTs							
1						-0.2795	
2						0.0413	
						RPD = -269.31	
S 33 Endosulfan, Total							
1						0.008026	
2						0.2178	
						RPD = 185.79	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Reagents:

GCS_IBLK_00002 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:22:49 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.002.D

Injection Date: 22-Jun-2021 05:54:00 Instrument ID: 9191

Lims ID: piblk

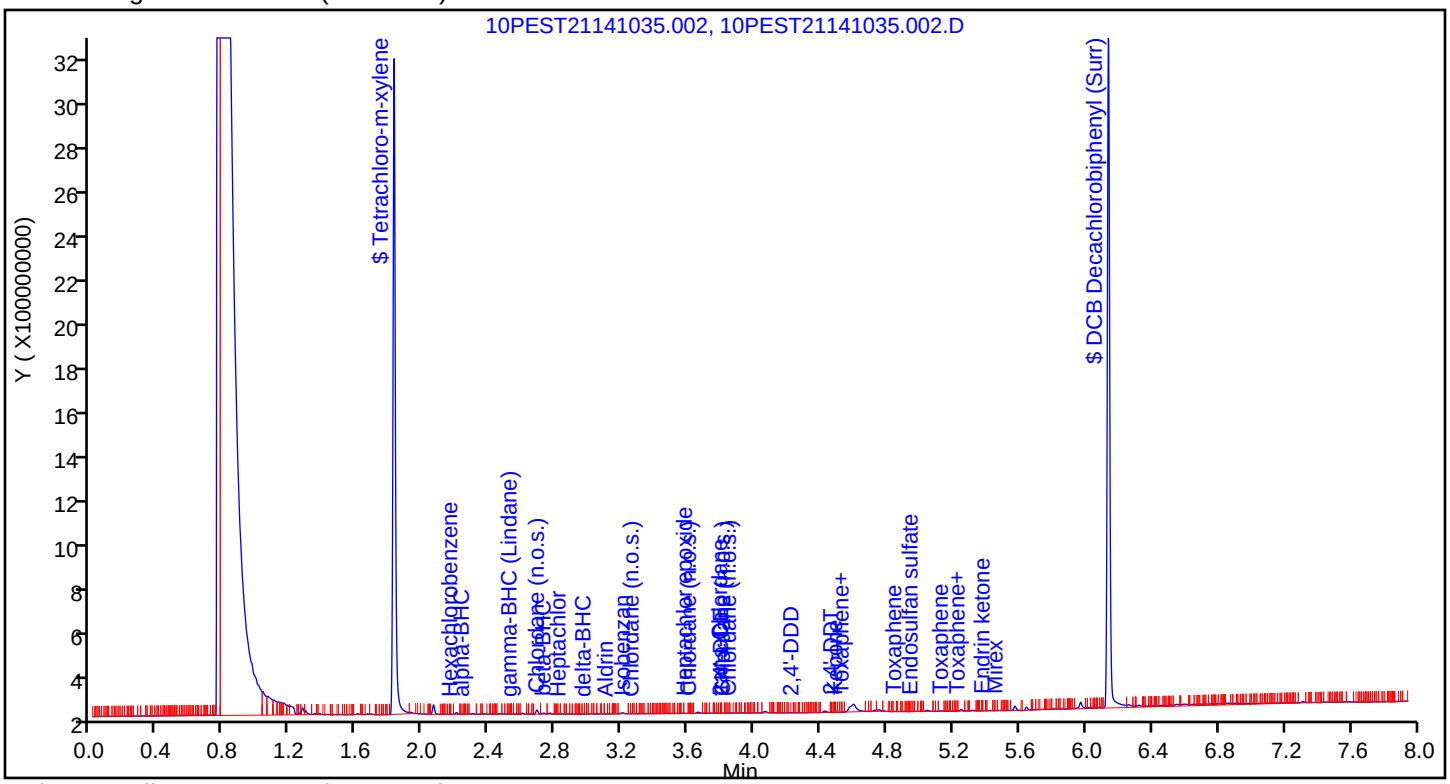
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 2

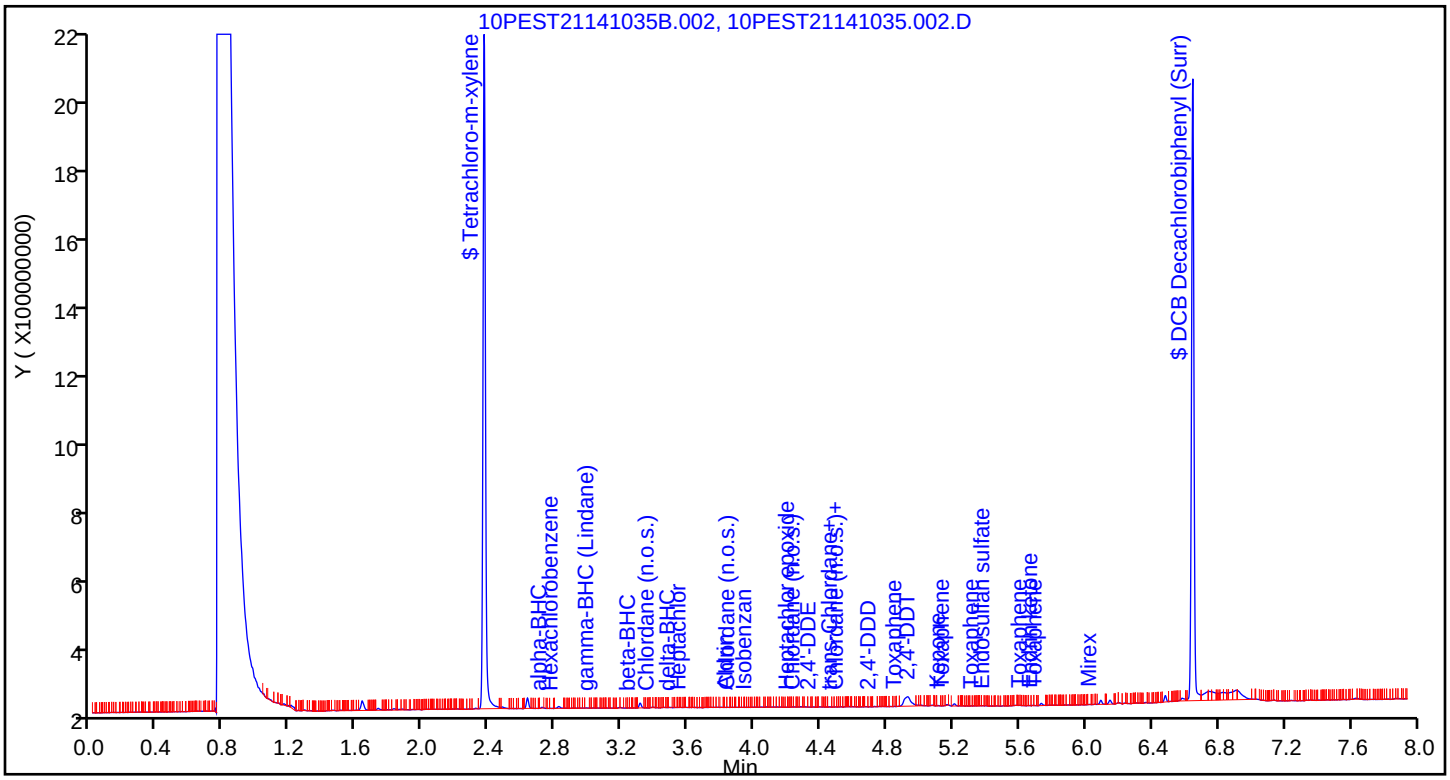
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 410-140420/2

Matrix: Water Lab File ID: 10PEST21141035.002.D

Analysis Method: 8081B Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 06/22/2021 05:54

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	*Aldrin*	*ND*		*0.50*	*0.10*
319-84-6	*alpha-BHC*	*ND*		*0.50*	*0.15*
5103-71-9	*alpha-Chlordane*	*ND*		*0.50*	*0.15*
319-85-7	*beta-BHC*	*ND*		*0.50*	*0.17*
319-86-8	*delta-BHC*	*ND*		*0.50*	*0.17*
60-57-1	*Dieldrin*	*ND*		*1.0*	*0.27*
959-98-8	*Endosulfan I*	*ND*		*0.50*	*0.22*
33213-65-9	*Endosulfan II*	*ND*		*1.5*	*0.75*
1031-07-8	*Endosulfan sulfate*	*ND*		*1.0*	*0.29*
72-20-8	*Endrin*	*ND*		*1.0*	*0.41*
7421-93-4	*Endrin aldehyde*	*ND*		*5.0*	*1.0*
53494-70-5	*Endrin ketone*	*ND*		*1.0*	*0.25*
58-89-9	*gamma-BHC (Lindane)*	*ND*		*0.50*	*0.10*
5103-74-2	*gamma-Chlordane*	*ND*		*1.0*	*0.35*
76-44-8	*Heptachlor*	*ND*		*0.50*	*0.10*
1024-57-3	*Heptachlor epoxide*	*ND*		*0.50*	*0.12*
72-43-5	*Methoxychlor*	*ND*		*5.0*	*1.5*
8001-35-2	*Toxaphene*	*ND*		*50*	*15*
72-54-8	*p,p'-DDD*	*ND*		*1.0*	*0.25*
72-55-9	*p,p'-DDE*	*ND*		*1.0*	*0.25*
50-29-3	*p,p'-DDT*	*ND*		*1.0*	*0.25*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	98		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	92		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.002.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 22-Jun-2021 05:54:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 09:22:02 Calib Date: 21-Jun-2021 10:44:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210621-32423.b\10PEST21141034.009.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1610

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.825	1.825	0.000	2970406457H	20.0	18.0	
2	2.368	2.368	0.000	1849168492H	20.0	18.4	
						RPD = 2.68	
2 Hexachlorobenzene							
1	2.163	2.167	-0.004	217235H		0.001150	
2	2.770	2.777	-0.007	824793H		0.006218	
						RPD = 137.56	
3 alpha-BHC							
1	2.233	2.232	0.001	341649H		0.001384	
2	2.700	2.702	-0.002	205339H		0.001441	
						RPD = 4.04	
4 gamma-BHC (Lindane)							
1	2.522	2.520	0.002	231096H		0.001075	
2	2.985	2.990	-0.005	853255H		0.006954	
						RPD = 146.44	
5 Chlordane (n.o.s.)							
1	2.687	2.663	0.024	18554051H		4.04	
1	3.258	3.237	0.021	492218H		0.1583	
1	3.603	3.617	-0.014	334438H		0.0983	
1	3.810	3.792	0.018	542450H		0.0370	
1	3.845	3.873	-0.028	510259H		0.0427	
		Average of Peak Amounts =				0.8754	
2	3.348	3.352	-0.004	832031H		0.2262	
2	3.837	3.840	-0.003	708875H		0.1950	
2	4.230	4.225	0.005	1001812H		0.3014	
2	4.455	4.452	0.003	1056961H		0.0750	
2	4.492	4.490	0.002	672698H		0.0728	
		Average of Peak Amounts =				0.1741	
						RPD = 133.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 beta-BHC							
1	2.727	2.722	0.005	3836831H		0.0386	
2	3.237	3.237	0.000	380740H		0.006493	
						RPD = 142.39	
7 Heptachlor							
1	2.818	2.820	-0.002	177917H		0.001046	
2	3.542	3.543	-0.001	519646H		0.004391	
						RPD = 123.05	
8 delta-BHC							
1	2.968	2.973	-0.005	438460H		0.002089	
2	3.478	3.477	0.001	279155H		0.002155	
						RPD = 3.11	
9 Aldrin							
1	3.103	3.100	0.003	520602H		0.002952	
2	3.825	3.828	-0.003	440773H		0.003762	
						RPD = 24.12	
10 Isobenzan							
1	3.205	3.205	0.000	4554132H		0.0394	
2	3.938	3.937	0.001	273465H		0.002942	
						RPD = 172.22	
11 Heptachlor epoxide							
1	3.580	3.592	-0.012	472749H		0.002850	
2	4.197	4.197	0.000	348639H		0.003202	
						RPD = 11.63	
12 trans-Chlordane							
1	3.793	3.793	0.000	119002H		0.000710	
2	4.455	4.453	0.002	1056961H		0.009148	
						RPD = 171.18	
13 2,4'-DDE							
1	3.800	3.803	-0.003	105075H		0.000932	
2	4.327	4.333	-0.006	280242H		0.003318	
						RPD = 112.31	
14 cis-Chlordane							7
1	3.890	3.875	0.015	264005H		0.001536	
2	4.492	4.492	0.000	672698H		0.005941	
						RPD = 117.82	
LOD = 0.1159							
15 Endosulfan I							7
1	3.915	3.918	-0.003	802636H		0.004955	
2	4.517	4.520	-0.003	314969H		0.003000	
						RPD = 49.15	
LOD = 0.1013							
16 4,4'-DDE							7
1	4.065	4.058	0.007	6283814H		0.0360	
2	4.610	4.615	-0.005	600481H		0.005177	
						RPD = 149.68	
LOD = 0.2046							
17 Dieldrin							7
1	4.152	4.155	-0.003	152110H		0.000867	
2	4.725	4.720	0.005	1330292H		0.0118	
						RPD = 172.57	
LOD = 0.2161							

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
18 2,4'-DDD							
1	4.225	4.222	0.003	633292H		0.007156	
2	4.688	4.692	-0.004	356473H		0.005259	
						RPD = 30.55	
19 Endrin							7
1	4.397	4.405	-0.008	201964H		0.001243	
2	4.872	4.893	-0.021	374654H		0.003537	
						RPD = 96.01	
LOD = 0.1389							
20 2,4'-DDT							
1	4.465	4.453	0.012	49484H		0.000542	
2	4.925	4.923	0.002	25745986H		-0.2853	
						RPD = -200.76	
21 Kepone							
1	4.488	4.487	0.001	95837H		0.001071	
2	5.108	5.115	-0.007	1038732H		0.0182	
						RPD = 177.77	
22 4,4'-DDD							7
1	4.525	4.518	0.007	131359H		0.000961	
2	5.008	5.005	0.003	2046595H		0.0218	
						RPD = 183.13	
LOD = 0.1943							
27 Toxaphene							
1	4.525	4.530	-0.005	131359H		0.0506	
1	0.000	4.633	-4.633	0H		0	
1	4.843	4.848	-0.005	762495H		0.3083	
1	5.125	5.135	-0.010	1831702H		0.6939	
1	5.227	5.228	-0.001	150811H		0.0506	
		Average of Peak Amounts =				0.2758	
2	4.843	4.845	-0.002	752625H		-32.5	
2	5.132	5.135	-0.003	593788H		0.2729	
2	5.310	5.315	-0.005	594406H		0.2927	
2	5.600	5.603	-0.003	269001H		0.1995	
2	5.692	5.690	0.002	544150H		0.2681	
		Average of Peak Amounts =				-6.28	
						RPD = -218.37	
23 Endosulfan II							7
1	4.598	4.617	-0.019	33786158H		0.2129	
2	5.087	5.090	-0.003	492718H		0.005026	
						RPD = 190.77	
LOD = 0.2854							
24 4,4'-DDT							7
1	4.727	4.728	-0.001	5346626H		0.0407	
2	5.235	5.228	0.007	500420H		0.005759	
						RPD = 150.46	
LOD = 0.2113							
25 Endrin aldehyde							7
1	4.785	4.792	-0.007	1346410H		0.009899	
2	5.160	5.170	-0.010	2130628H		0.0254	
						RPD = 87.92	
LOD = 0.2401							

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 Endosulfan sulfate							
1	4.942	4.943	-0.001	169329H		0.001057	
2	5.375	5.377	-0.002	368023H		0.003720	
						RPD = 111.51	
28 Methoxychlor							7
1	5.227	5.235	-0.008	150811H		0.002260	
2	5.542	5.542	0.000	559853H		0.0122	
						RPD = 137.60	
LOD = 1.24							
29 Endrin ketone							
1	5.377	5.375	0.002	171676H		0.001029	
2	5.665	5.672	-0.007	856501H		0.008166	
						RPD = 155.24	
30 Mirex							
1	5.457	5.460	-0.003	423479H		0.003390	
2	6.022	6.025	-0.003	673852H		0.008281	
						RPD = 83.81	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.137	6.137	0.000	3034839412H	20.0	17.5	
2	6.647	6.645	0.002	1704933628H	20.0	19.7	
						RPD = 11.70	
S 32 Total DDTs							
1						-0.2795	
2						0.0413	
						RPD = -269.31	
S 33 Endosulfan, Total							
1						0.008026	
2						0.2178	
						RPD = 185.79	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

H - Response Measured by Height

Reagents:

GCS_IBLK_00002 Amount Added: 1.00 Units: mL

Report Date: 22-Jun-2021 09:22:50 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.002.D

Injection Date: 22-Jun-2021 05:54:00 Instrument ID: 9191

Lims ID: piblk

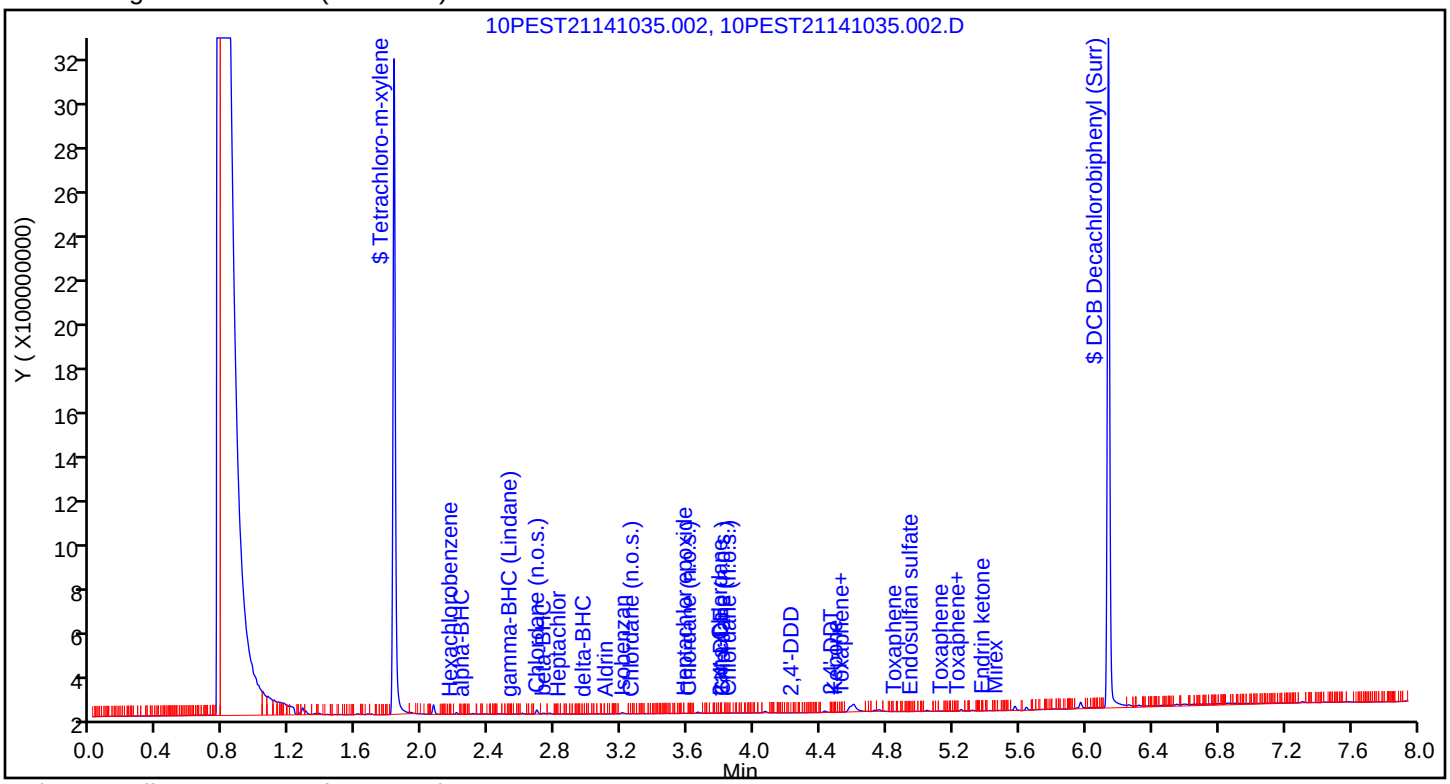
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 2

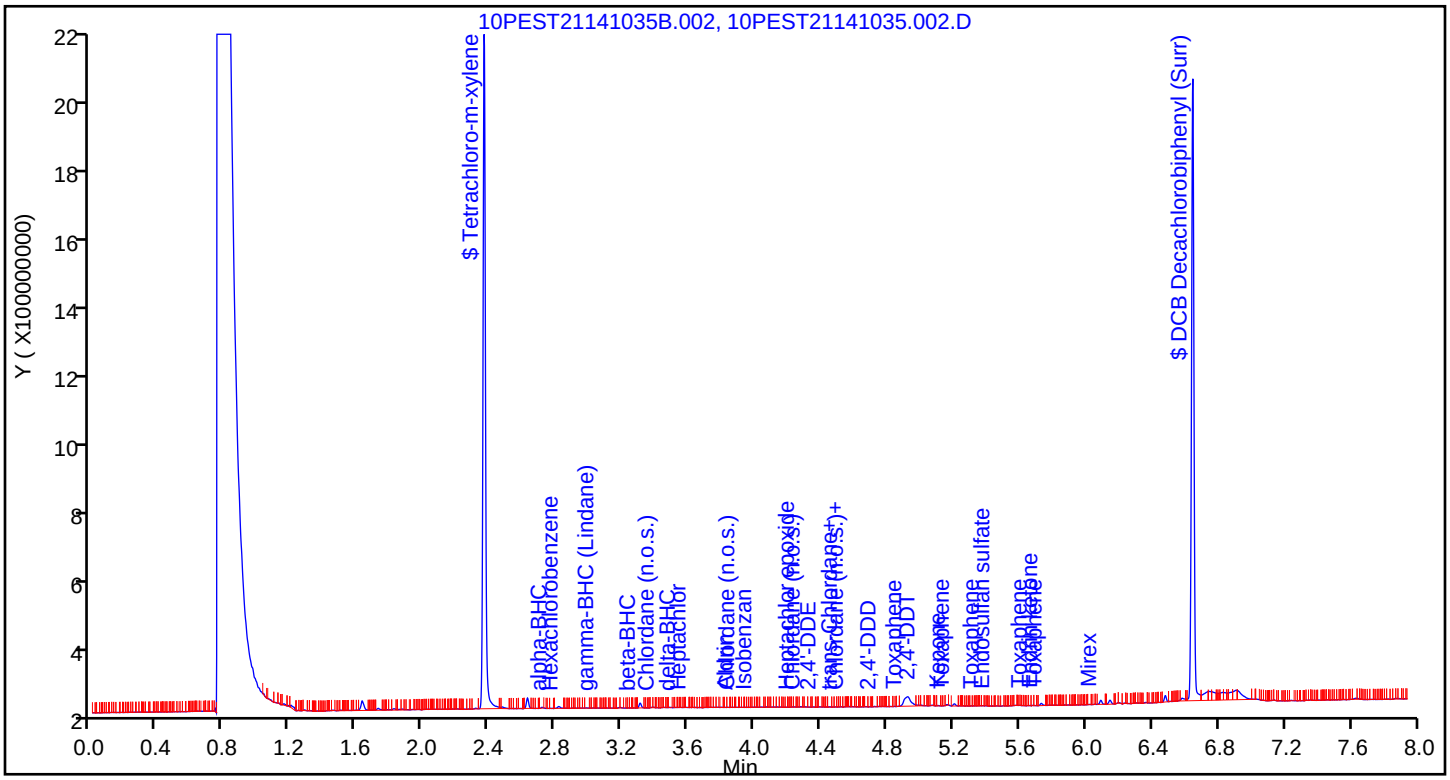
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-140248/2-A

Matrix: Water Lab File ID: 10PEST21141035.026.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 250(mL) Date Analyzed: 06/22/2021 11:13

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.0949		0.020	0.0030
5103-71-9	alpha-Chlordane	0.0768		0.020	0.0030
319-85-7	beta-BHC	0.0961		0.020	0.0034
60-57-1	Dieldrin	0.185		0.030	0.0053
33213-65-9	Endosulfan II	0.184		0.040	0.015
72-20-8	Endrin	0.185		0.030	0.0081
53494-70-5	Endrin ketone	0.208		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	0.0962		0.020	0.0020
5103-74-2	gamma-Chlordane	0.0717		0.040	0.0070
76-44-8	Heptachlor	0.0466		0.020	0.0020
72-54-8	p,p'-DDD	0.198		0.030	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	46		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	64		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.026.D
Lims ID: LCS 410-140248/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Jun-2021 11:13:00 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-140248/2-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.815	1.825	-0.010	1588096901H	15.1	9.60	
2	2.365	2.368	-0.003	945530994H	15.1	9.43	
						RPD = 1.77	
3 alpha-BHC							
1	2.222	2.232	-0.010	1171621296H	5.06	4.75	
2	2.697	2.702	-0.005	659604980H	5.06	4.63	
						RPD = 2.50	
4 gamma-BHC (Lindane)							
1	2.510	2.520	-0.010	1034560775H	5.00	4.81	
2	2.985	2.990	-0.005	572428592H	5.00	4.67	
						RPD = 3.11	
6 beta-BHC							
1	2.712	2.722	-0.010	477510406H	5.00	4.80	
2	3.232	3.237	-0.005	270185705H	5.00	4.61	
						RPD = 4.15	
7 Heptachlor							
1	2.810	2.820	-0.010	396117826H	5.06	2.33	
2	3.538	3.543	-0.005	259107127H	5.06	2.19	
						RPD = 6.16	
8 delta-BHC							
1	2.963	2.973	-0.010	1004375741H	5.00	4.79	
2	3.472	3.477	-0.005	620299027H	5.00	4.79	
						RPD = 0.07	
9 Aldrin							
1	3.088	3.100	-0.012	277773184H	5.06	1.58	
2	3.823	3.828	-0.005	186335408H	5.06	1.59	
						RPD = 0.96	
11 Heptachlor epoxide							
1	3.582	3.592	-0.010	741603372H	5.00	4.47	
2	4.192	4.197	-0.005	491577719H	5.00	4.51	
						RPD = 0.98	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 trans-Chlordane							
1	3.783	3.793	-0.010	600711232H	5.00	3.59	
2	4.448	4.453	-0.005	401934283H	5.00	3.48	
						RPD = 3.03	
14 cis-Chlordane							
1	3.865	3.875	-0.010	659839748H	5.00	3.84	
2	4.488	4.492	-0.004	431813630H	5.00	3.81	
						RPD = 0.68	
15 Endosulfan I							
1	3.908	3.918	-0.010	688341320H	5.06	4.25	
2	4.515	4.520	-0.005	460867603H	5.06	4.39	
						RPD = 3.25	
16 4,4'-DDE							
1	4.047	4.058	-0.011	1200781376H	10.1	6.87	
2	4.610	4.615	-0.005	797747654H	10.1	6.88	
						RPD = 0.04	
17 Dieldrin							
1	4.145	4.155	-0.010	1625037180H	10.0	9.27	
2	4.715	4.720	-0.005	1045581432H	10.0	9.26	
						RPD = 0.05	
19 Endrin							
1	4.395	4.405	-0.010	1503404937H	10.0	9.25	
2	4.888	4.893	-0.005	956538855H	10.0	9.03	
						RPD = 2.40	
22 4,4'-DDD							
1	4.508	4.518	-0.010	1355278713H	10.1	9.91	
2	5.000	5.005	-0.005	882676252H	10.1	9.41	
						RPD = 5.18	
23 Endosulfan II							
1	4.607	4.617	-0.010	1458850560H	10.1	9.19	
2	5.087	5.090	-0.003	899312839H	10.1	9.17	
						RPD = 0.20	
24 4,4'-DDT							
1	4.718	4.728	-0.010	1240075079H	10.1	9.45	
2	5.223	5.228	-0.005	809621671H	10.1	9.32	
						RPD = 1.40	
25 Endrin aldehyde							
1	4.782	4.792	-0.010	1189370302H	10.1	8.74	
2	5.167	5.170	-0.003	741964846H	10.1	8.86	
						RPD = 1.26	
26 Endosulfan sulfate							
1	4.933	4.943	-0.010	1455382337H	10.1	9.08	
2	5.372	5.377	-0.005	906185908H	10.1	9.16	
						RPD = 0.84	
28 Methoxychlor							
1	5.225	5.235	-0.010	3636528117H	50.4	54.5	
2	5.537	5.542	-0.005	2360699561H	50.4	51.5	
						RPD = 5.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Endrin ketone							
1	5.365	5.375	-0.010	1738689611H	10.0	10.4	
2	5.667	5.672	-0.005	1031934502H	10.0	9.84	
						RPD = 5.75	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.127	6.137	-0.010	1190614190H	15.0	6.87	
2	6.638	6.645	-0.007	624974636H	15.0	7.22	
						RPD = 4.92	

Report Date: 22-Jun-2021 15:51:47 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.026.D

Injection Date: 22-Jun-2021 11:13:00 Instrument ID: 9191

Lims ID: LCS 410-140248/2-A

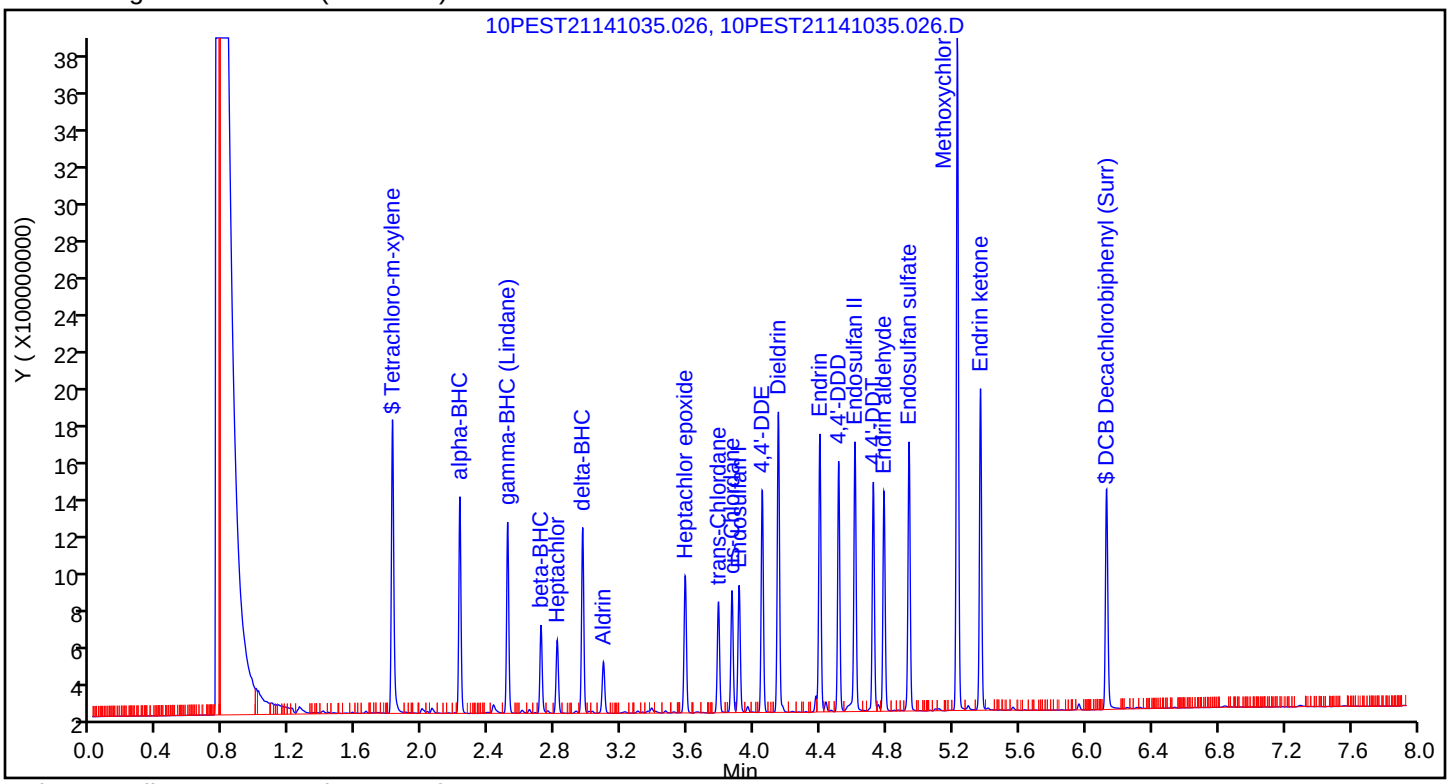
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 26

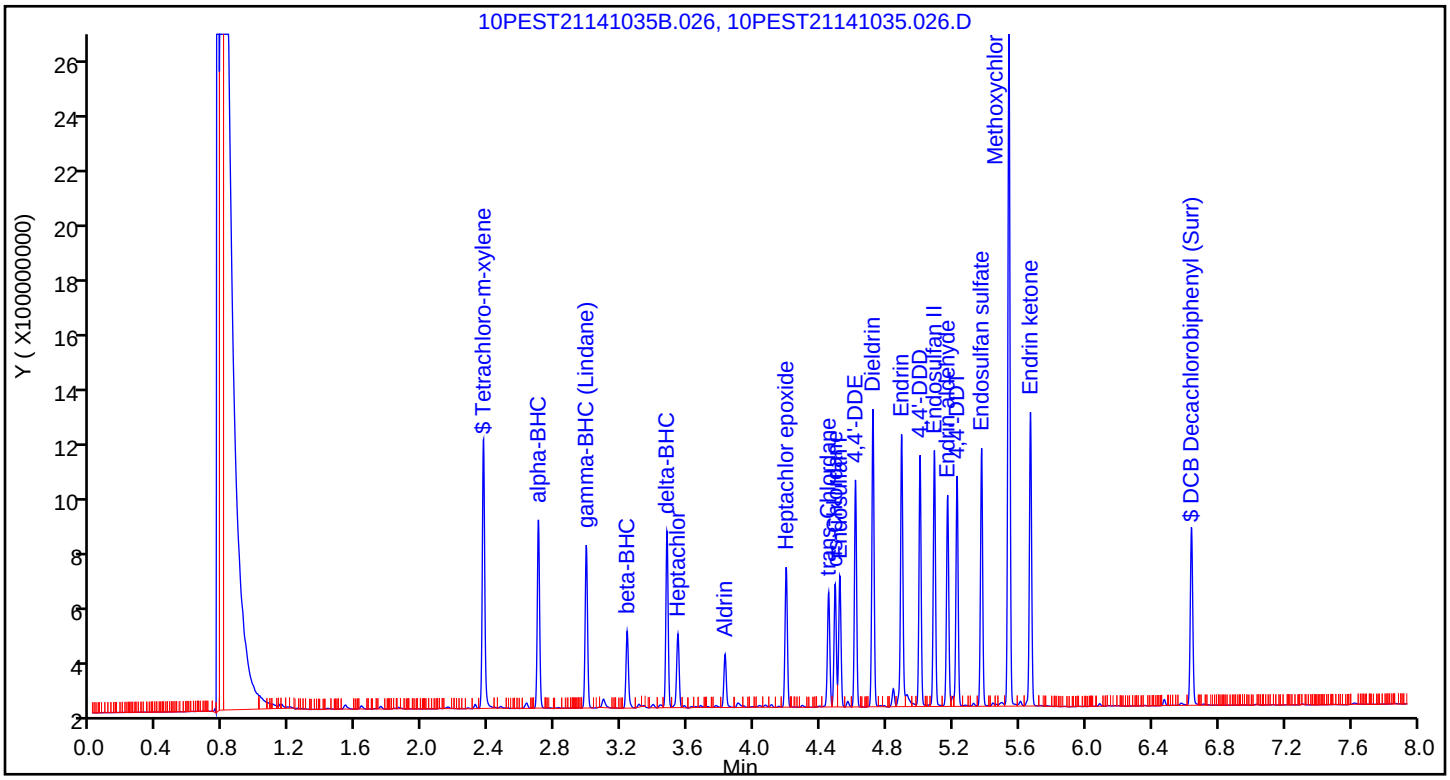
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-140248/2-A

Matrix: Water Lab File ID: 10PEST21141035.026.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 250(mL) Date Analyzed: 06/22/2021 11:13

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0318		0.020	0.0020
319-86-8	delta-BHC	0.0958		0.020	0.0034
959-98-8	Endosulfan I	0.0878		0.020	0.0043
1031-07-8	Endosulfan sulfate	0.183		0.030	0.0058
7421-93-4	Endrin aldehyde	0.177		0.10	0.020
1024-57-3	Heptachlor epoxide	0.0903		0.020	0.0023
72-43-5	Methoxychlor	1.03		0.11	0.030
72-55-9	p,p'-DDE	0.138		0.030	0.0050
50-29-3	p,p'-DDT	0.186		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	48		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	63		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.026.D
Lims ID: LCS 410-140248/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Jun-2021 11:13:00 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-140248/2-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.815	1.825	-0.010	1588096901H	15.1	9.60	
2	2.365	2.368	-0.003	945530994H	15.1	9.43	
						RPD = 1.77	
3 alpha-BHC							
1	2.222	2.232	-0.010	1171621296H	5.06	4.75	
2	2.697	2.702	-0.005	659604980H	5.06	4.63	
						RPD = 2.50	
4 gamma-BHC (Lindane)							
1	2.510	2.520	-0.010	1034560775H	5.00	4.81	
2	2.985	2.990	-0.005	572428592H	5.00	4.67	
						RPD = 3.11	
6 beta-BHC							
1	2.712	2.722	-0.010	477510406H	5.00	4.80	
2	3.232	3.237	-0.005	270185705H	5.00	4.61	
						RPD = 4.15	
7 Heptachlor							
1	2.810	2.820	-0.010	396117826H	5.06	2.33	
2	3.538	3.543	-0.005	259107127H	5.06	2.19	
						RPD = 6.16	
8 delta-BHC							
1	2.963	2.973	-0.010	1004375741H	5.00	4.79	
2	3.472	3.477	-0.005	620299027H	5.00	4.79	
						RPD = 0.07	
9 Aldrin							
1	3.088	3.100	-0.012	277773184H	5.06	1.58	
2	3.823	3.828	-0.005	186335408H	5.06	1.59	
						RPD = 0.96	
11 Heptachlor epoxide							
1	3.582	3.592	-0.010	741603372H	5.00	4.47	
2	4.192	4.197	-0.005	491577719H	5.00	4.51	
						RPD = 0.98	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 trans-Chlordane							
1	3.783	3.793	-0.010	600711232H	5.00	3.59	
2	4.448	4.453	-0.005	401934283H	5.00	3.48	
						RPD = 3.03	
14 cis-Chlordane							
1	3.865	3.875	-0.010	659839748H	5.00	3.84	
2	4.488	4.492	-0.004	431813630H	5.00	3.81	
						RPD = 0.68	
15 Endosulfan I							
1	3.908	3.918	-0.010	688341320H	5.06	4.25	
2	4.515	4.520	-0.005	460867603H	5.06	4.39	
						RPD = 3.25	
16 4,4'-DDE							
1	4.047	4.058	-0.011	1200781376H	10.1	6.87	
2	4.610	4.615	-0.005	797747654H	10.1	6.88	
						RPD = 0.04	
17 Dieldrin							
1	4.145	4.155	-0.010	1625037180H	10.0	9.27	
2	4.715	4.720	-0.005	1045581432H	10.0	9.26	
						RPD = 0.05	
19 Endrin							
1	4.395	4.405	-0.010	1503404937H	10.0	9.25	
2	4.888	4.893	-0.005	956538855H	10.0	9.03	
						RPD = 2.40	
22 4,4'-DDD							
1	4.508	4.518	-0.010	1355278713H	10.1	9.91	
2	5.000	5.005	-0.005	882676252H	10.1	9.41	
						RPD = 5.18	
23 Endosulfan II							
1	4.607	4.617	-0.010	1458850560H	10.1	9.19	
2	5.087	5.090	-0.003	899312839H	10.1	9.17	
						RPD = 0.20	
24 4,4'-DDT							
1	4.718	4.728	-0.010	1240075079H	10.1	9.45	
2	5.223	5.228	-0.005	809621671H	10.1	9.32	
						RPD = 1.40	
25 Endrin aldehyde							
1	4.782	4.792	-0.010	1189370302H	10.1	8.74	
2	5.167	5.170	-0.003	741964846H	10.1	8.86	
						RPD = 1.26	
26 Endosulfan sulfate							
1	4.933	4.943	-0.010	1455382337H	10.1	9.08	
2	5.372	5.377	-0.005	906185908H	10.1	9.16	
						RPD = 0.84	
28 Methoxychlor							
1	5.225	5.235	-0.010	3636528117H	50.4	54.5	
2	5.537	5.542	-0.005	2360699561H	50.4	51.5	
						RPD = 5.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Endrin ketone							
1	5.365	5.375	-0.010	1738689611H	10.0	10.4	
2	5.667	5.672	-0.005	1031934502H	10.0	9.84	
						RPD = 5.75	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.127	6.137	-0.010	1190614190H	15.0	6.87	
2	6.638	6.645	-0.007	624974636H	15.0	7.22	
						RPD = 4.92	

Report Date: 22-Jun-2021 15:51:48 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.026.D

Injection Date: 22-Jun-2021 11:13:00 Instrument ID: 9191

Lims ID: LCS 410-140248/2-A

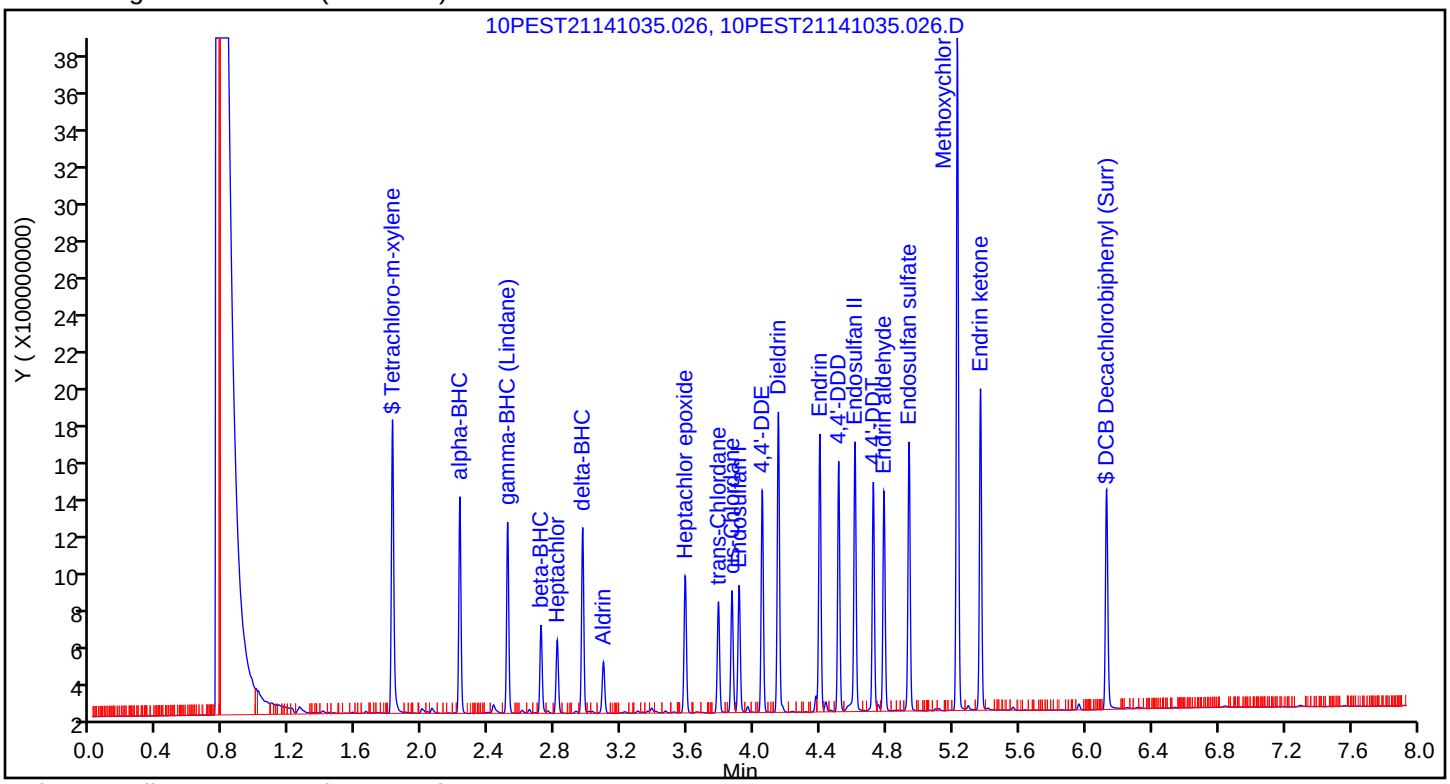
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 26

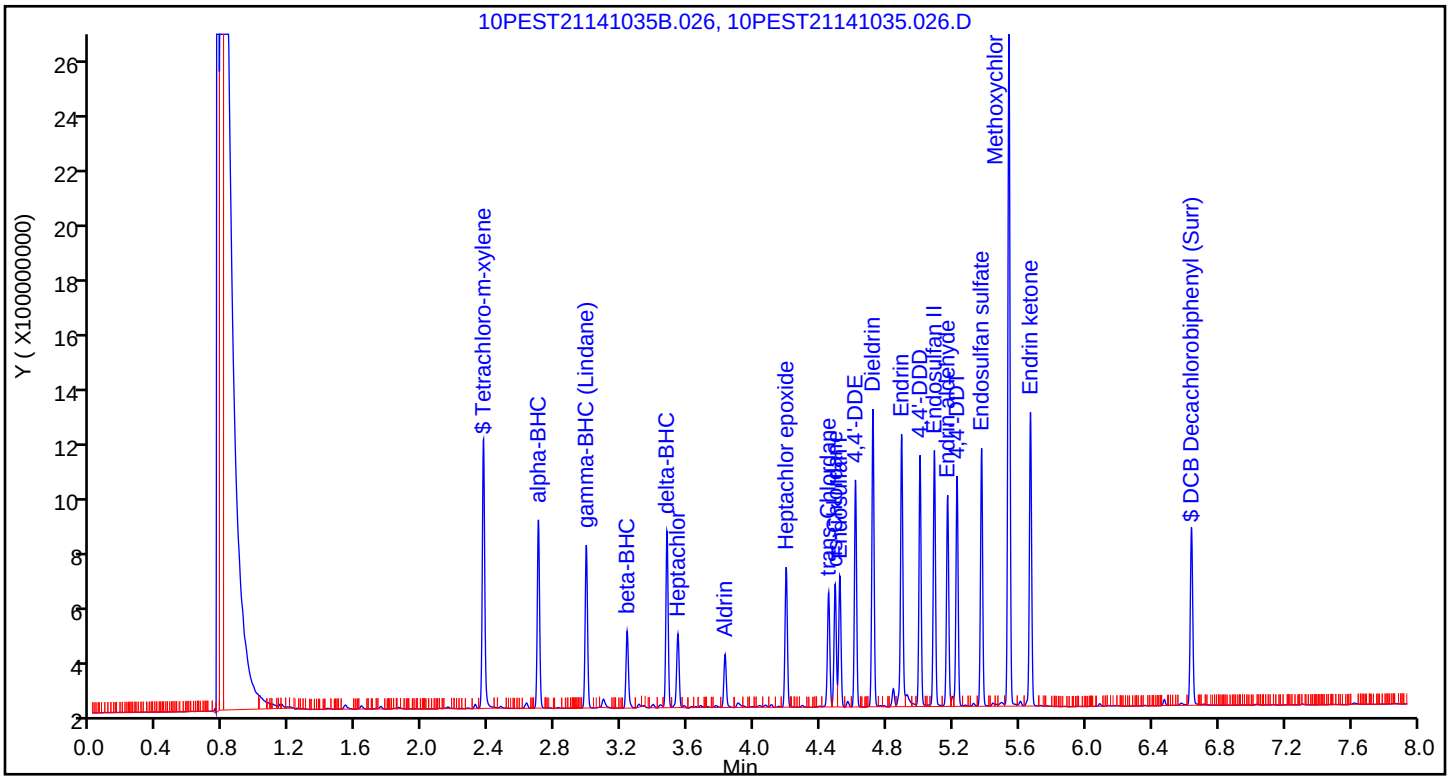
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-140255/2-A

Matrix: Water Lab File ID: 10PEST21141035.016.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 250(mL) Date Analyzed: 06/22/2021 09:11

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0285		0.020	0.0020
319-84-6	alpha-BHC	0.0974		0.020	0.0030
5103-71-9	alpha-Chlordane	0.0737		0.020	0.0030
319-85-7	beta-BHC	0.0964		0.020	0.0034
60-57-1	Dieldrin	0.181		0.030	0.0053
33213-65-9	Endosulfan II	0.180		0.040	0.015
1031-07-8	Endosulfan sulfate	0.174		0.030	0.0058
72-20-8	Endrin	0.179		0.030	0.0081
7421-93-4	Endrin aldehyde	0.168		0.10	0.020
53494-70-5	Endrin ketone	0.200		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	0.0958		0.020	0.0020
5103-74-2	gamma-Chlordane	0.0670		0.040	0.0070
76-44-8	Heptachlor	0.0405		0.020	0.0020
1024-57-3	Heptachlor epoxide	0.0886		0.020	0.0023
72-54-8	p,p'-DDD	0.196		0.030	0.0050
72-55-9	p,p'-DDE	0.133		0.030	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	43		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	56		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.016.D
Lims ID: LCS 410-140255/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Jun-2021 09:11:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-140255/2-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.825	-0.002	1388999756H	15.1	8.40	
2	2.367	2.368	-0.001	836791359H	15.1	8.35	
						RPD = 0.60	
3 alpha-BHC							
1	2.230	2.232	-0.002	1201934588H	5.06	4.87	
2	2.698	2.702	-0.004	648117705H	5.06	4.55	
						RPD = 6.81	
4 gamma-BHC (Lindane)							
1	2.518	2.520	-0.002	1029789749H	5.00	4.79	
2	2.987	2.990	-0.003	554883345H	5.00	4.52	
						RPD = 5.75	
6 beta-BHC							
1	2.720	2.722	-0.002	479036709H	5.00	4.82	
2	3.233	3.237	-0.004	262628375H	5.00	4.48	
						RPD = 7.30	
7 Heptachlor							
1	2.817	2.820	-0.003	344674644H	5.06	2.03	
2	3.540	3.543	-0.003	225772533H	5.06	1.91	
						RPD = 6.03	
8 delta-BHC							
1	2.972	2.973	-0.001	990610843H	5.00	4.72	
2	3.473	3.477	-0.004	628374609H	5.00	4.85	
						RPD = 2.74	
9 Aldrin							
1	3.097	3.100	-0.003	251121494H	5.06	1.42	
2	3.825	3.828	-0.003	162077161H	5.06	1.38	
						RPD = 2.90	
11 Heptachlor epoxide							
1	3.590	3.592	-0.002	735080432H	5.00	4.43	
2	4.193	4.197	-0.004	482081372H	5.00	4.43	
						RPD = 0.09	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 trans-Chlordane							
1	3.792	3.793	-0.001	561032022H	5.00	3.35	
2	4.450	4.453	-0.003	372019778H	5.00	3.22	
						RPD = 3.93	
14 cis-Chlordane							
1	3.873	3.875	-0.002	632887101H	5.00	3.68	
2	4.488	4.492	-0.004	396439741H	5.00	3.50	
						RPD = 5.06	
15 Endosulfan I							
1	3.915	3.918	-0.003	679006058H	5.06	4.19	
2	4.517	4.520	-0.003	445482817H	5.06	4.24	
						RPD = 1.22	
16 4,4'-DDE							
1	4.055	4.058	-0.003	1160324342H	10.1	6.64	
2	4.612	4.615	-0.003	730397513H	10.1	6.30	
						RPD = 5.35	
17 Dieldrin							
1	4.152	4.155	-0.003	1584305402H	10.0	9.03	
2	4.717	4.720	-0.003	989389311H	10.0	8.76	
						RPD = 3.04	
19 Endrin							
1	4.403	4.405	-0.002	1454324119H	10.0	8.95	
2	4.890	4.893	-0.003	908363077H	10.0	8.58	
						RPD = 4.25	
22 4,4'-DDD							
1	4.517	4.518	-0.001	1339230147H	10.1	9.79	
2	5.002	5.005	-0.003	860132183H	10.1	9.17	
						RPD = 6.57	
23 Endosulfan II							
1	4.615	4.617	-0.002	1432104890H	10.1	9.02	
2	5.087	5.090	-0.003	863849998H	10.1	8.81	
						RPD = 2.37	
24 4,4'-DDT							
1	4.725	4.728	-0.003	1191573230H	10.1	9.08	
2	5.223	5.228	-0.005	766389355H	10.1	8.82	
						RPD = 2.90	
25 Endrin aldehyde							
1	4.790	4.792	-0.002	1142492590H	10.1	8.40	
2	5.167	5.170	-0.003	688291000H	10.1	8.21	
						RPD = 2.23	
26 Endosulfan sulfate							
1	4.942	4.943	-0.001	1397719222H	10.1	8.72	
2	5.372	5.377	-0.005	822061943H	10.1	8.31	
						RPD = 4.86	
28 Methoxychlor							
1	5.232	5.235	-0.003	3449520607H	50.4	51.7	
2	5.537	5.542	-0.005	2153930260H	50.4	47.0	
						RPD = 9.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Endrin ketone							
1	5.372	5.375	-0.003	1665074517H	10.0	9.98	
2	5.668	5.672	-0.004	965485993H	10.0	9.20	
						RPD = 8.07	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.133	6.137	-0.004	1123444323H	15.0	6.48	
2	6.640	6.645	-0.005	567066661H	15.0	6.55	
						RPD = 1.01	

Report Date: 22-Jun-2021 15:51:33 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.016.D

Injection Date: 22-Jun-2021 09:11:00 Instrument ID: 9191

Lims ID: LCS 410-140255/2-A

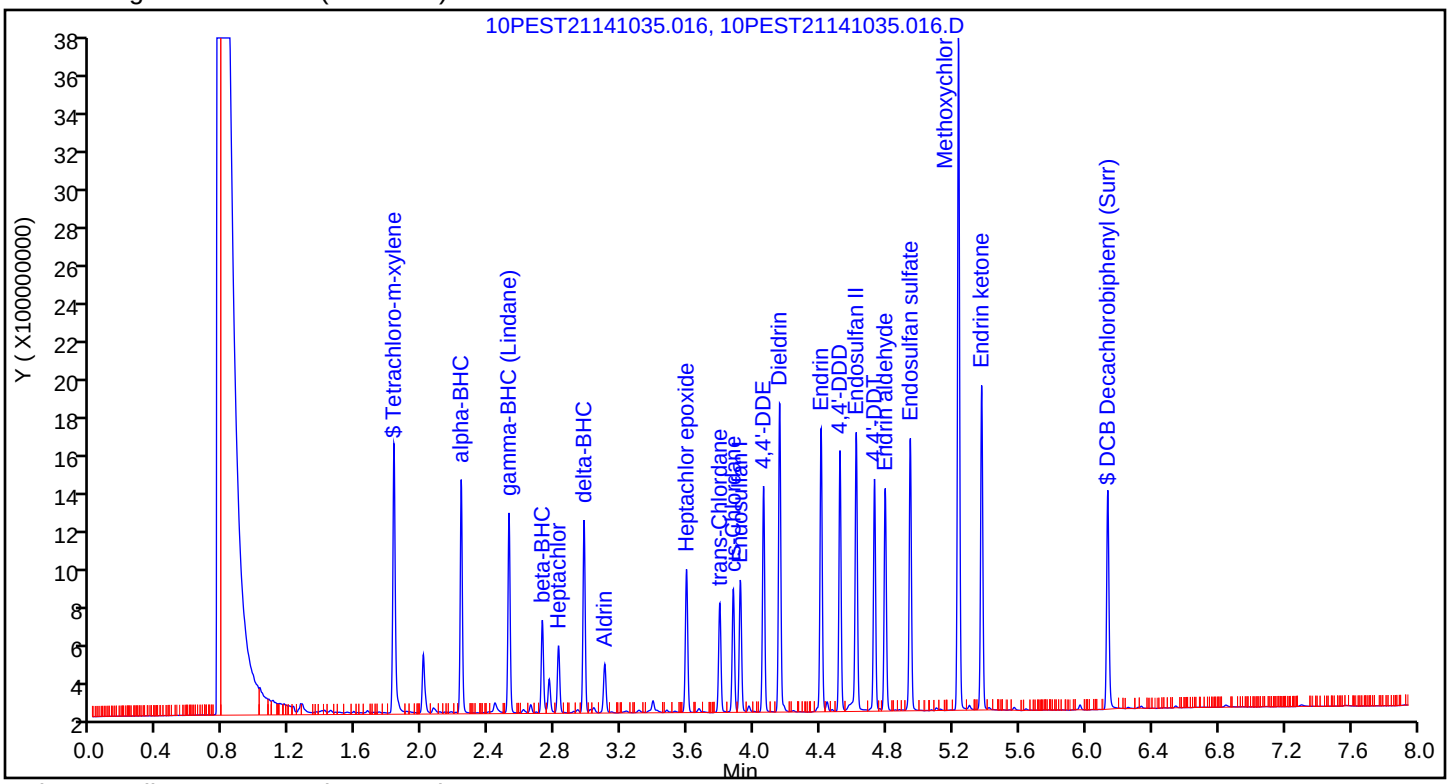
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 16

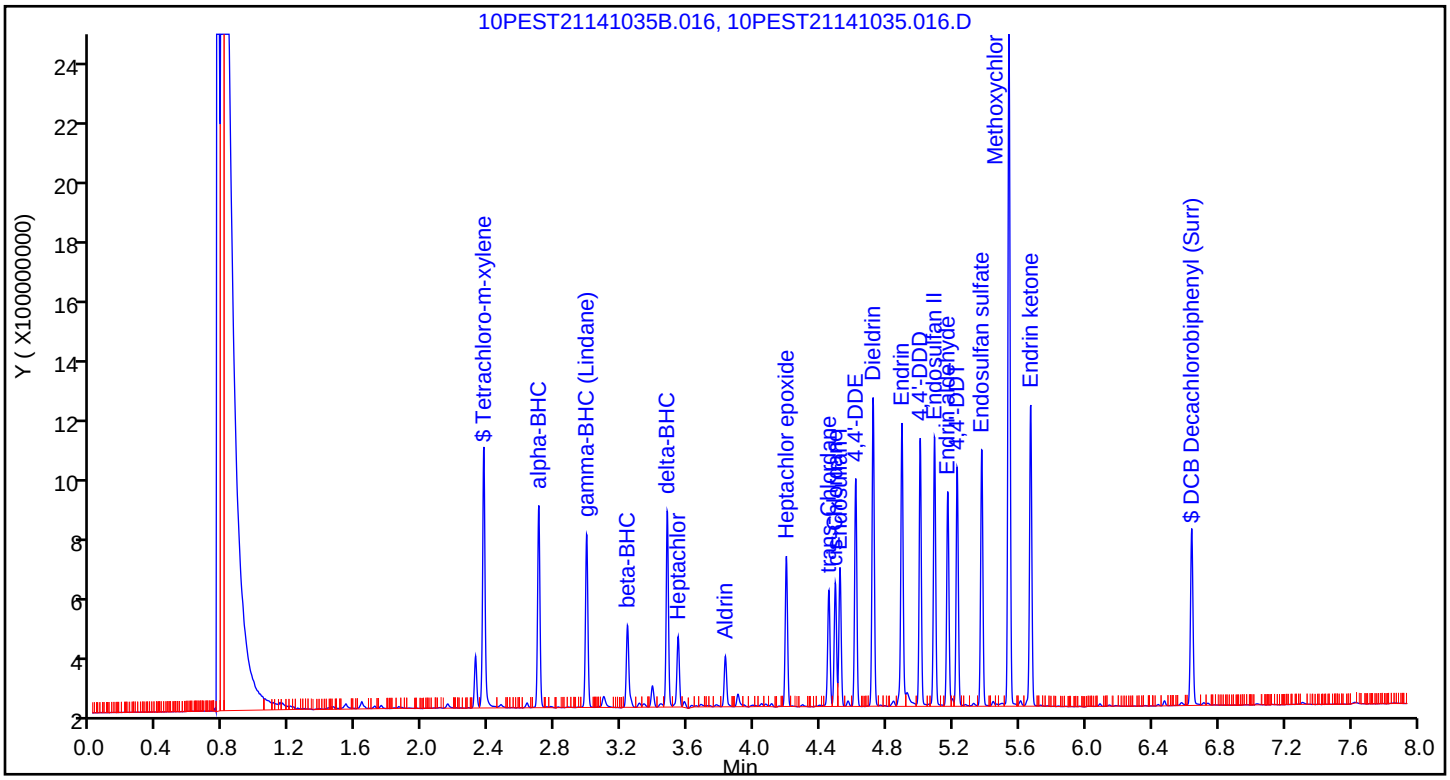
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-140255/2-A

Matrix: Water Lab File ID: 10PEST21141035.016.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 250(mL) Date Analyzed: 06/22/2021 09:11

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-86-8	delta-BHC	0.0970		0.020	0.0034
959-98-8	Endosulfan I	0.0849		0.020	0.0043
72-43-5	Methoxychlor	0.941		0.11	0.030
50-29-3	p,p'-DDT	0.176		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	44		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	55		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.016.D
Lims ID: LCS 410-140255/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Jun-2021 09:11:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-140255/2-A
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.823	1.825	-0.002	1388999756H	15.1	8.40	
2	2.367	2.368	-0.001	836791359H	15.1	8.35	
						RPD = 0.60	
3 alpha-BHC							
1	2.230	2.232	-0.002	1201934588H	5.06	4.87	
2	2.698	2.702	-0.004	648117705H	5.06	4.55	
						RPD = 6.81	
4 gamma-BHC (Lindane)							
1	2.518	2.520	-0.002	1029789749H	5.00	4.79	
2	2.987	2.990	-0.003	554883345H	5.00	4.52	
						RPD = 5.75	
6 beta-BHC							
1	2.720	2.722	-0.002	479036709H	5.00	4.82	
2	3.233	3.237	-0.004	262628375H	5.00	4.48	
						RPD = 7.30	
7 Heptachlor							
1	2.817	2.820	-0.003	344674644H	5.06	2.03	
2	3.540	3.543	-0.003	225772533H	5.06	1.91	
						RPD = 6.03	
8 delta-BHC							
1	2.972	2.973	-0.001	990610843H	5.00	4.72	
2	3.473	3.477	-0.004	628374609H	5.00	4.85	
						RPD = 2.74	
9 Aldrin							
1	3.097	3.100	-0.003	251121494H	5.06	1.42	
2	3.825	3.828	-0.003	162077161H	5.06	1.38	
						RPD = 2.90	
11 Heptachlor epoxide							
1	3.590	3.592	-0.002	735080432H	5.00	4.43	
2	4.193	4.197	-0.004	482081372H	5.00	4.43	
						RPD = 0.09	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 trans-Chlordane							
1	3.792	3.793	-0.001	561032022H	5.00	3.35	
2	4.450	4.453	-0.003	372019778H	5.00	3.22	
						RPD = 3.93	
14 cis-Chlordane							
1	3.873	3.875	-0.002	632887101H	5.00	3.68	
2	4.488	4.492	-0.004	396439741H	5.00	3.50	
						RPD = 5.06	
15 Endosulfan I							
1	3.915	3.918	-0.003	679006058H	5.06	4.19	
2	4.517	4.520	-0.003	445482817H	5.06	4.24	
						RPD = 1.22	
16 4,4'-DDE							
1	4.055	4.058	-0.003	1160324342H	10.1	6.64	
2	4.612	4.615	-0.003	730397513H	10.1	6.30	
						RPD = 5.35	
17 Dieldrin							
1	4.152	4.155	-0.003	1584305402H	10.0	9.03	
2	4.717	4.720	-0.003	989389311H	10.0	8.76	
						RPD = 3.04	
19 Endrin							
1	4.403	4.405	-0.002	1454324119H	10.0	8.95	
2	4.890	4.893	-0.003	908363077H	10.0	8.58	
						RPD = 4.25	
22 4,4'-DDD							
1	4.517	4.518	-0.001	1339230147H	10.1	9.79	
2	5.002	5.005	-0.003	860132183H	10.1	9.17	
						RPD = 6.57	
23 Endosulfan II							
1	4.615	4.617	-0.002	1432104890H	10.1	9.02	
2	5.087	5.090	-0.003	863849998H	10.1	8.81	
						RPD = 2.37	
24 4,4'-DDT							
1	4.725	4.728	-0.003	1191573230H	10.1	9.08	
2	5.223	5.228	-0.005	766389355H	10.1	8.82	
						RPD = 2.90	
25 Endrin aldehyde							
1	4.790	4.792	-0.002	1142492590H	10.1	8.40	
2	5.167	5.170	-0.003	688291000H	10.1	8.21	
						RPD = 2.23	
26 Endosulfan sulfate							
1	4.942	4.943	-0.001	1397719222H	10.1	8.72	
2	5.372	5.377	-0.005	822061943H	10.1	8.31	
						RPD = 4.86	
28 Methoxychlor							
1	5.232	5.235	-0.003	3449520607H	50.4	51.7	
2	5.537	5.542	-0.005	2153930260H	50.4	47.0	
						RPD = 9.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Endrin ketone							
1	5.372	5.375	-0.003	1665074517H	10.0	9.98	
2	5.668	5.672	-0.004	965485993H	10.0	9.20	
						RPD = 8.07	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.133	6.137	-0.004	1123444323H	15.0	6.48	
2	6.640	6.645	-0.005	567066661H	15.0	6.55	
						RPD = 1.01	

Report Date: 22-Jun-2021 15:51:33 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.016.D

Injection Date: 22-Jun-2021 09:11:00 Instrument ID: 9191

Lims ID: LCS 410-140255/2-A

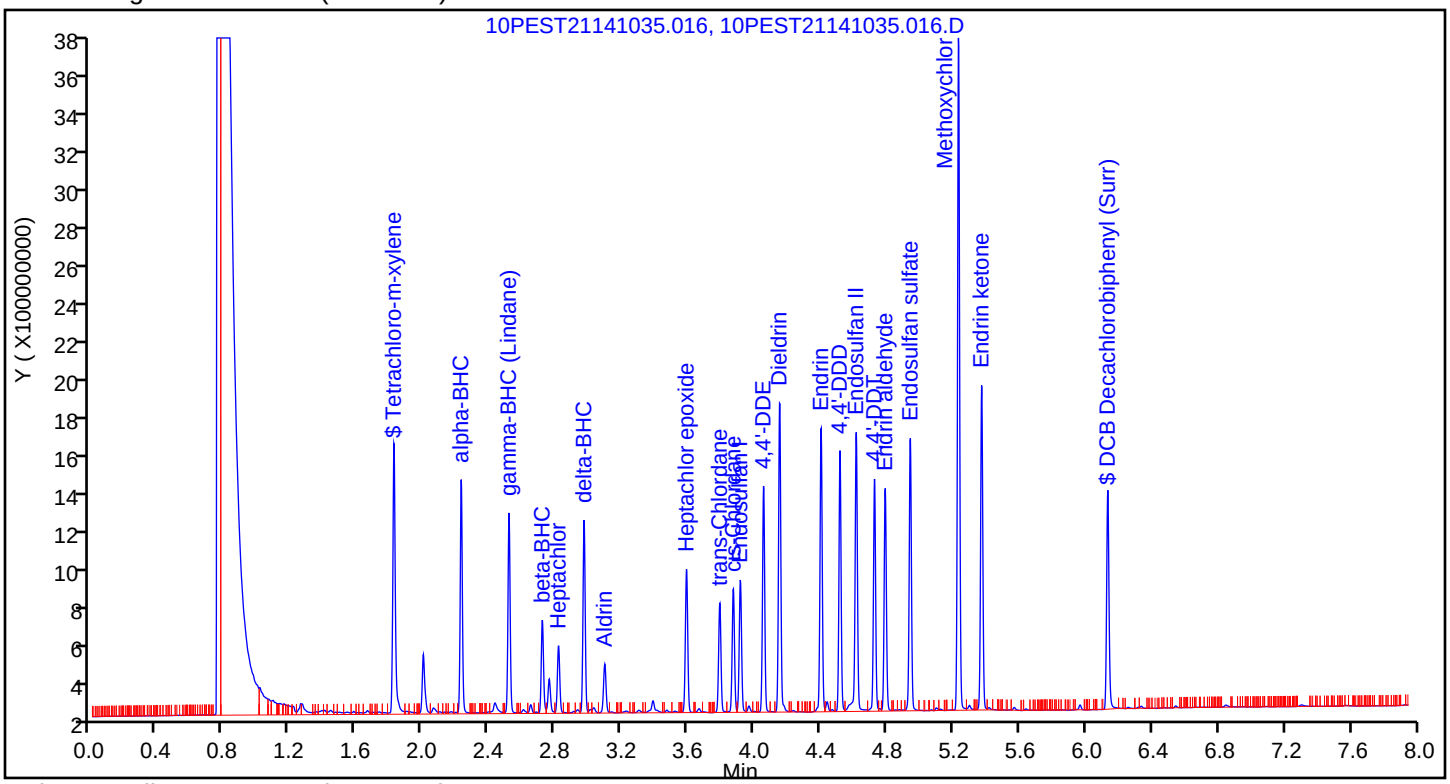
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 16

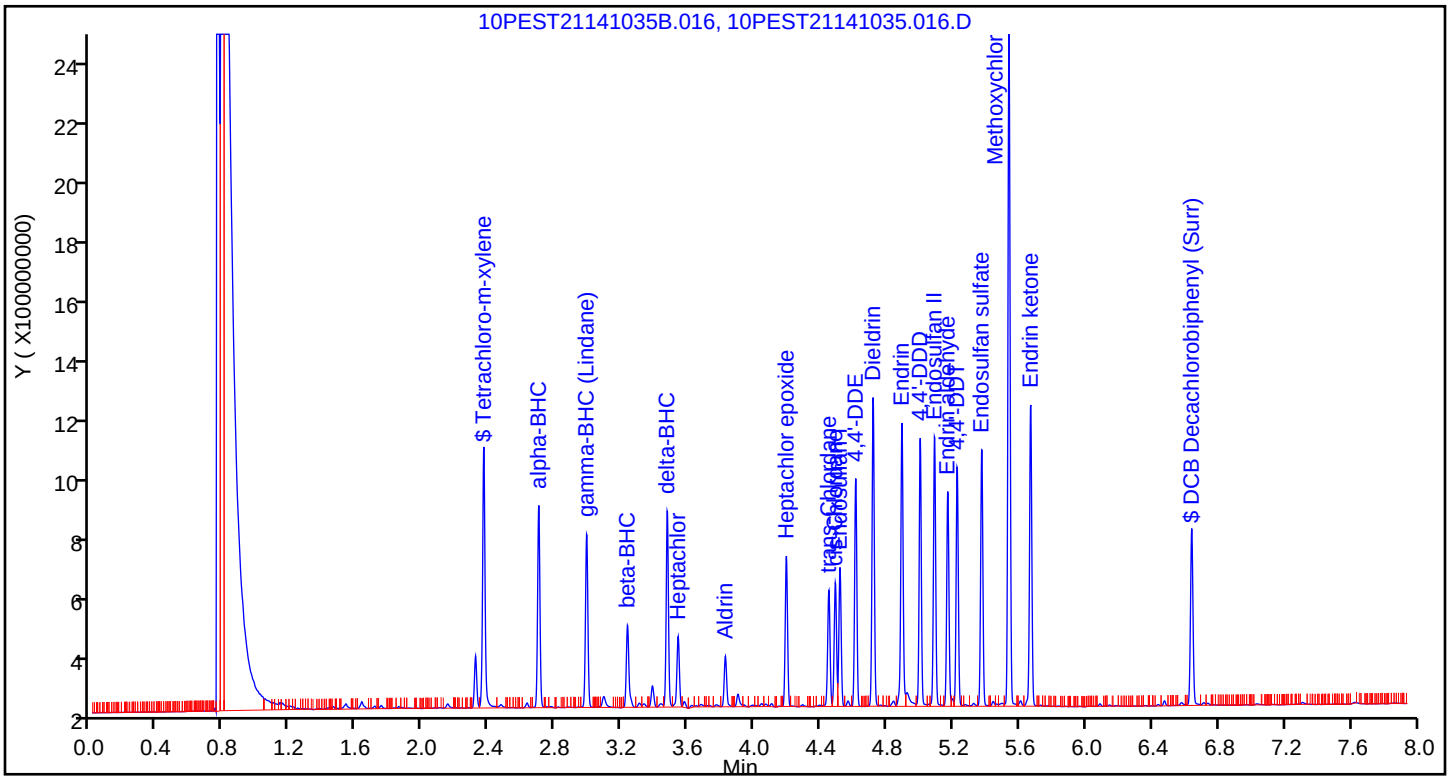
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-UF-20210614 MS Lab Sample ID: 410-43723-1 MS

Matrix: Ground Water Lab File ID: 10PEST21141035.027.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:23

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 233.3(mL) Date Analyzed: 06/22/2021 11:25

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.0912		0.021	0.0032
319-85-7	beta-BHC	0.0918		0.021	0.0036
60-57-1	Dieldrin	0.187		0.032	0.0057
1031-07-8	Endosulfan sulfate	0.186		0.032	0.0062
72-20-8	Endrin	0.187		0.032	0.0087
7421-93-4	Endrin aldehyde	0.175		0.11	0.021
53494-70-5	Endrin ketone	0.211		0.032	0.0054
58-89-9	gamma-BHC (Lindane)	0.0904		0.021	0.0021
76-44-8	Heptachlor	0.0482		0.021	0.0021
1024-57-3	Heptachlor epoxide	0.0913		0.021	0.0025
8001-35-2	Toxaphene	ND		1.1	0.32
72-54-8	p,p'-DDD	0.202		0.032	0.0054

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	90		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	65		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.027.D
Lims ID: 410-43723-A-1-A MS
Client ID: MW-3-UF-20210614
Sample Type: MS
Inject. Date: 22-Jun-2021 11:25:00 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-1-A MS
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:48:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.818	1.825	-0.007	1631936444H	15.1	9.87	
2	2.368	2.368	0.000	964813991H	15.1	9.63	
						RPD = 2.48	
2 Hexachlorobenzene							
1	2.160	2.167	-0.007	9859103H		0.0522	
2	2.773	2.777	-0.004	6019811H		0.0454	
						RPD = 13.98	
3 alpha-BHC							
1	2.225	2.232	-0.007	1050722162H	5.06	4.26	
2	2.700	2.702	-0.002	584446339H	5.06	4.10	
						RPD = 3.71	
4 gamma-BHC (Lindane)							
1	2.513	2.520	-0.007	906515634H	5.00	4.22	
2	2.988	2.990	-0.002	509779383H	5.00	4.15	
						RPD = 1.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)							U
1		2.663				ND	
1		3.237					
1		3.617					
1		3.792					
1		3.873					
2		3.352					
2		3.840					
2		4.225					
2		4.452					
2		4.490					
6 beta-BHC							
1	2.715	2.722	-0.007	426059458H	5.00	4.29	
2	3.235	3.237	-0.002	242522494H	5.00	4.14	
						RPD = 3.55	
7 Heptachlor							
1	2.813	2.820	-0.007	382692984H	5.06	2.25	
2	3.542	3.543	-0.001	262003815H	5.06	2.21	
						RPD = 1.61	
8 delta-BHC							
1	2.967	2.973	-0.006	883998219H	5.00	4.21	
2	3.475	3.477	-0.002	550523837H	5.00	4.25	
						RPD = 0.90	
9 Aldrin							
1	3.092	3.100	-0.008	285849484H	5.06	1.62	
2	3.827	3.828	-0.001	195747800H	5.06	1.67	
						RPD = 3.02	
10 Isobenzan							
1	3.180	3.205	-0.025	322660H		0.002793	
2	3.942	3.937	0.005	4901176H		0.0527	
						RPD = 179.88	
11 Heptachlor epoxide							
1	3.585	3.592	-0.007	706878844H	5.00	4.26	
2	4.195	4.197	-0.002	463236866H	5.00	4.25	
						RPD = 0.16	
12 trans-Chlordane							
1	3.787	3.793	-0.006	625184202H	5.00	3.73	
2	4.452	4.453	-0.001	441544609H	5.00	3.82	
						RPD = 2.37	
13 2,4'-DDE							
1		3.803				ND	
2		4.333					
14 cis-Chlordane							
1	3.868	3.875	-0.007	664313239H	5.00	3.87	
2	4.490	4.492	-0.002	445129423H	5.00	3.93	
						RPD = 1.68	
15 Endosulfan I							
1	3.912	3.918	-0.006	629129540H	5.06	3.88	
2	4.518	4.520	-0.002	430311734H	5.06	4.10	
						RPD = 5.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.052	4.058	-0.006	1150526866H	10.1	6.59	
2	4.613	4.615	-0.002	783116543H	10.1	6.75	
						RPD = 2.47	
17 Dieldrin							
1	4.148	4.155	-0.007	1531354374H	10.0	8.73	
2	4.718	4.720	-0.002	983219669H	10.0	8.71	
						RPD = 0.26	
18 2,4'-DDD							
1	4.232	4.222	0.010	4475468H		0.0506	
2	4.692	4.692	0.000	7937087H		0.1171	
						RPD = 79.36	
19 Endrin							
1	4.398	4.405	-0.007	1414371726H	10.0	8.70	
2	4.893	4.893	0.000	891631502H	10.0	8.42	
						RPD = 3.32	
20 2,4'-DDT							
1	4.465	4.453	0.012	8517573H		0.0934	
2	4.923	4.923	0.000	44150354H		-0.007608	
						RPD = 235.49	
21 Kepone							
1		4.487				ND	
2		5.115					
22 4,4'-DDD							
1	4.512	4.518	-0.006	1290196273H	10.1	9.44	
2	5.003	5.005	-0.002	818532222H	10.1	8.73	
						RPD = 7.80	
27 Toxaphene							U
1		4.530				ND	
1		4.633					
1		4.848					
1		5.135					
1		5.228					
2		4.845					
2		5.135					
2		5.315					
2		5.603					
2		5.690					
23 Endosulfan II							
1	4.610	4.617	-0.007	1364371960H	10.1	8.60	
2	5.090	5.090	0.000	846581790H	10.1	8.64	
						RPD = 0.45	
24 4,4'-DDT							
1	4.722	4.728	-0.006	1232789579H	10.1	9.39	
2	5.227	5.228	-0.001	792153185H	10.1	9.12	
						RPD = 2.99	
25 Endrin aldehyde							
1	4.785	4.792	-0.007	1108046632H	10.1	8.15	
2	5.170	5.170	0.000	681781376H	10.1	8.14	
						RPD = 0.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 Endosulfan sulfate							
1	4.937	4.943	-0.006	1389689297H	10.1	8.67	
2	5.373	5.377	-0.004	849191020H	10.1	8.58	
						RPD = 1.04	
28 Methoxychlor							
1	5.228	5.235	-0.007	3477402374H	50.4	52.1	
2	5.540	5.542	-0.002	2259143486H	50.4	49.3	
						RPD = 5.47	
29 Endrin ketone							
1	5.368	5.375	-0.007	1639460536H	10.0	9.83	
2	5.670	5.672	-0.002	968380212H	10.0	9.23	
						RPD = 6.23	
30 Mirex							
1	5.458	5.460	-0.002	4010889H		0.0321	
2	6.025	6.025	0.000	2645485H		0.0325	
						RPD = 1.25	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.128	6.137	-0.009	2352402856H	15.0	13.6	
2	6.642	6.645	-0.003	1168362019H	15.0	13.5	
						RPD = 0.61	
S 32 Total DDTs							
1						9.11	
2						9.49	
						RPD = 4.06	
S 33 Endosulfan, Total							
1						12.7	
2						12.5	
						RPD = 2.01	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:49 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.027.D

Injection Date: 22-Jun-2021 11:25:00 Instrument ID: 9191

Lims ID: 410-43723-A-1-A MS

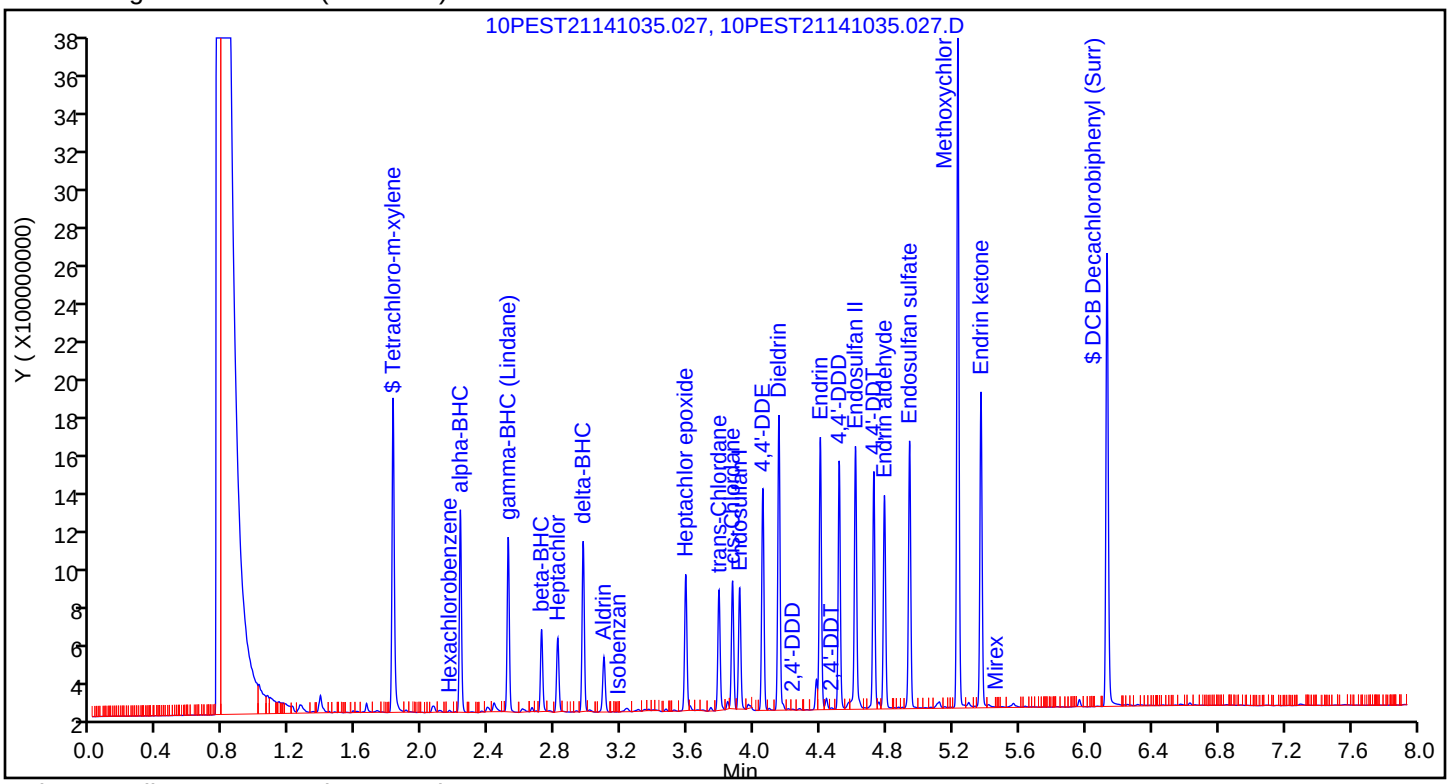
Client ID: MW-3-UF-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 27

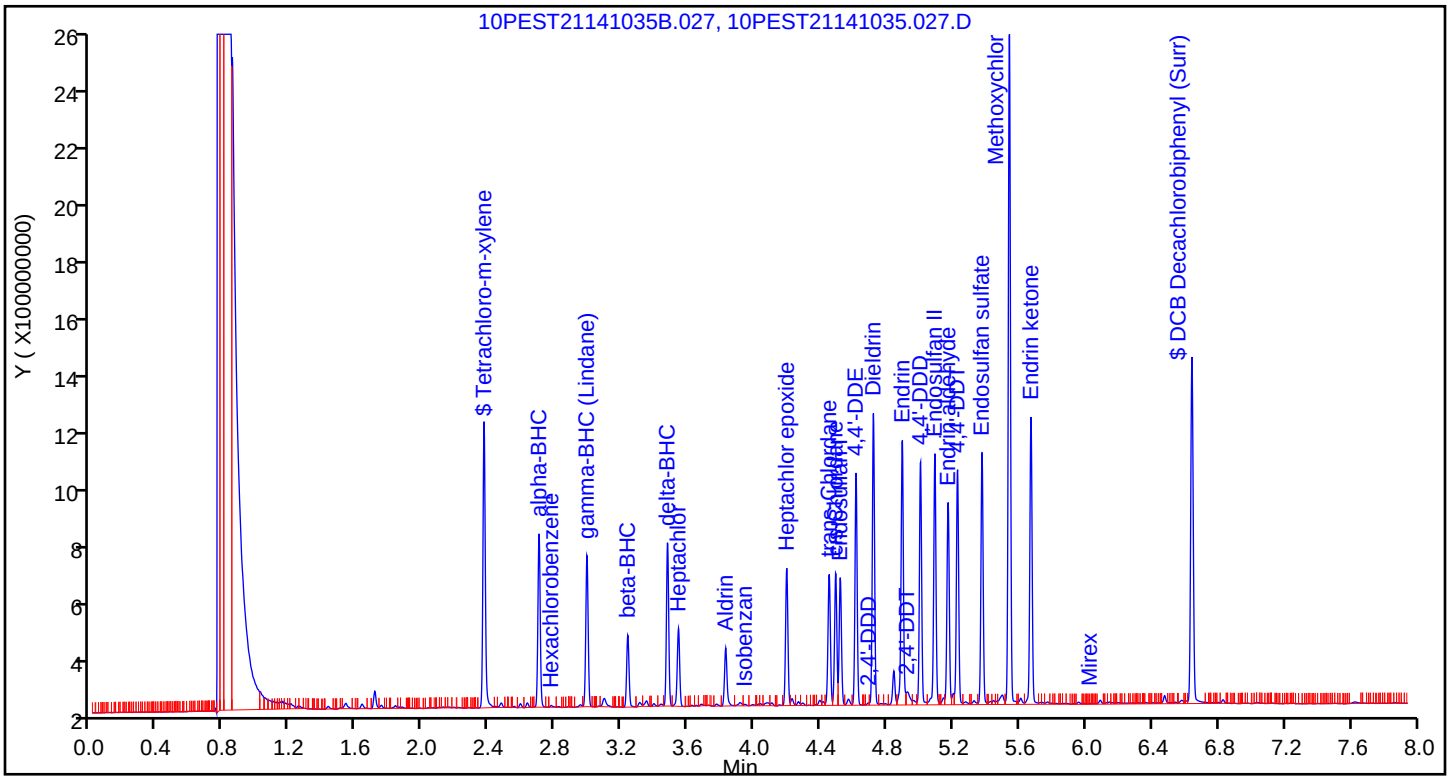
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-UF-20210614 MS Lab Sample ID: 410-43723-1 MS

Matrix: Ground Water Lab File ID: 10PEST21141035.027.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:23

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 233.3(mL) Date Analyzed: 06/22/2021 11:25

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0358		0.021	0.0021
5103-71-9	alpha-Chlordane	0.0843		0.021	0.0032
319-86-8	delta-BHC	0.0911		0.021	0.0036
959-98-8	Endosulfan I	0.0878		0.021	0.0046
33213-65-9	Endosulfan II	0.185		0.043	0.016
5103-74-2	gamma-Chlordane	0.0819		0.043	0.0075
72-43-5	Methoxychlor	1.06		0.12	0.032
72-55-9	p,p'-DDE	0.145		0.032	0.0054
50-29-3	p,p'-DDT	0.195		0.032	0.0056

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	90		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	64		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.027.D
Lims ID: 410-43723-A-1-A MS
Client ID: MW-3-UF-20210614
Sample Type: MS
Inject. Date: 22-Jun-2021 11:25:00 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-1-A MS
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:48:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.818	1.825	-0.007	1631936444H	15.1	9.87	
2	2.368	2.368	0.000	964813991H	15.1	9.63	
						RPD = 2.48	
2 Hexachlorobenzene							
1	2.160	2.167	-0.007	9859103H		0.0522	
2	2.773	2.777	-0.004	6019811H		0.0454	
						RPD = 13.98	
3 alpha-BHC							
1	2.225	2.232	-0.007	1050722162H	5.06	4.26	
2	2.700	2.702	-0.002	584446339H	5.06	4.10	
						RPD = 3.71	
4 gamma-BHC (Lindane)							
1	2.513	2.520	-0.007	906515634H	5.00	4.22	
2	2.988	2.990	-0.002	509779383H	5.00	4.15	
						RPD = 1.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)							U
1		2.663				ND	
1		3.237					
1		3.617					
1		3.792					
1		3.873					
2		3.352					
2		3.840					
2		4.225					
2		4.452					
2		4.490					
6 beta-BHC							
1	2.715	2.722	-0.007	426059458H	5.00	4.29	
2	3.235	3.237	-0.002	242522494H	5.00	4.14	
						RPD = 3.55	
7 Heptachlor							
1	2.813	2.820	-0.007	382692984H	5.06	2.25	
2	3.542	3.543	-0.001	262003815H	5.06	2.21	
						RPD = 1.61	
8 delta-BHC							
1	2.967	2.973	-0.006	883998219H	5.00	4.21	
2	3.475	3.477	-0.002	550523837H	5.00	4.25	
						RPD = 0.90	
9 Aldrin							
1	3.092	3.100	-0.008	285849484H	5.06	1.62	
2	3.827	3.828	-0.001	195747800H	5.06	1.67	
						RPD = 3.02	
10 Isobenzan							
1	3.180	3.205	-0.025	322660H		0.002793	
2	3.942	3.937	0.005	4901176H		0.0527	
						RPD = 179.88	
11 Heptachlor epoxide							
1	3.585	3.592	-0.007	706878844H	5.00	4.26	
2	4.195	4.197	-0.002	463236866H	5.00	4.25	
						RPD = 0.16	
12 trans-Chlordane							
1	3.787	3.793	-0.006	625184202H	5.00	3.73	
2	4.452	4.453	-0.001	441544609H	5.00	3.82	
						RPD = 2.37	
13 2,4'-DDE							
1		3.803				ND	
2		4.333					
14 cis-Chlordane							
1	3.868	3.875	-0.007	664313239H	5.00	3.87	
2	4.490	4.492	-0.002	445129423H	5.00	3.93	
						RPD = 1.68	
15 Endosulfan I							
1	3.912	3.918	-0.006	629129540H	5.06	3.88	
2	4.518	4.520	-0.002	430311734H	5.06	4.10	
						RPD = 5.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.052	4.058	-0.006	1150526866H	10.1	6.59	
2	4.613	4.615	-0.002	783116543H	10.1	6.75	
						RPD = 2.47	
17 Dieldrin							
1	4.148	4.155	-0.007	1531354374H	10.0	8.73	
2	4.718	4.720	-0.002	983219669H	10.0	8.71	
						RPD = 0.26	
18 2,4'-DDD							
1	4.232	4.222	0.010	4475468H		0.0506	
2	4.692	4.692	0.000	7937087H		0.1171	
						RPD = 79.36	
19 Endrin							
1	4.398	4.405	-0.007	1414371726H	10.0	8.70	
2	4.893	4.893	0.000	891631502H	10.0	8.42	
						RPD = 3.32	
20 2,4'-DDT							
1	4.465	4.453	0.012	8517573H		0.0934	
2	4.923	4.923	0.000	44150354H		-0.007608	
						RPD = 235.49	
21 Kepone							
1		4.487				ND	
2		5.115					
22 4,4'-DDD							
1	4.512	4.518	-0.006	1290196273H	10.1	9.44	
2	5.003	5.005	-0.002	818532222H	10.1	8.73	
						RPD = 7.80	
27 Toxaphene							U
1		4.530				ND	
1		4.633					
1		4.848					
1		5.135					
1		5.228					
2		4.845					
2		5.135					
2		5.315					
2		5.603					
2		5.690					
23 Endosulfan II							
1	4.610	4.617	-0.007	1364371960H	10.1	8.60	
2	5.090	5.090	0.000	846581790H	10.1	8.64	
						RPD = 0.45	
24 4,4'-DDT							
1	4.722	4.728	-0.006	1232789579H	10.1	9.39	
2	5.227	5.228	-0.001	792153185H	10.1	9.12	
						RPD = 2.99	
25 Endrin aldehyde							
1	4.785	4.792	-0.007	1108046632H	10.1	8.15	
2	5.170	5.170	0.000	681781376H	10.1	8.14	
						RPD = 0.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 Endosulfan sulfate							
1	4.937	4.943	-0.006	1389689297H	10.1	8.67	
2	5.373	5.377	-0.004	849191020H	10.1	8.58	
						RPD = 1.04	
28 Methoxychlor							
1	5.228	5.235	-0.007	3477402374H	50.4	52.1	
2	5.540	5.542	-0.002	2259143486H	50.4	49.3	
						RPD = 5.47	
29 Endrin ketone							
1	5.368	5.375	-0.007	1639460536H	10.0	9.83	
2	5.670	5.672	-0.002	968380212H	10.0	9.23	
						RPD = 6.23	
30 Mirex							
1	5.458	5.460	-0.002	4010889H		0.0321	
2	6.025	6.025	0.000	2645485H		0.0325	
						RPD = 1.25	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.128	6.137	-0.009	2352402856H	15.0	13.6	
2	6.642	6.645	-0.003	1168362019H	15.0	13.5	
						RPD = 0.61	
S 32 Total DDTs							
1						9.11	
2						9.49	
						RPD = 4.06	
S 33 Endosulfan, Total							
1						12.7	
2						12.5	
						RPD = 2.01	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:50 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.027.D

Injection Date: 22-Jun-2021 11:25:00 Instrument ID: 9191

Lims ID: 410-43723-A-1-A MS

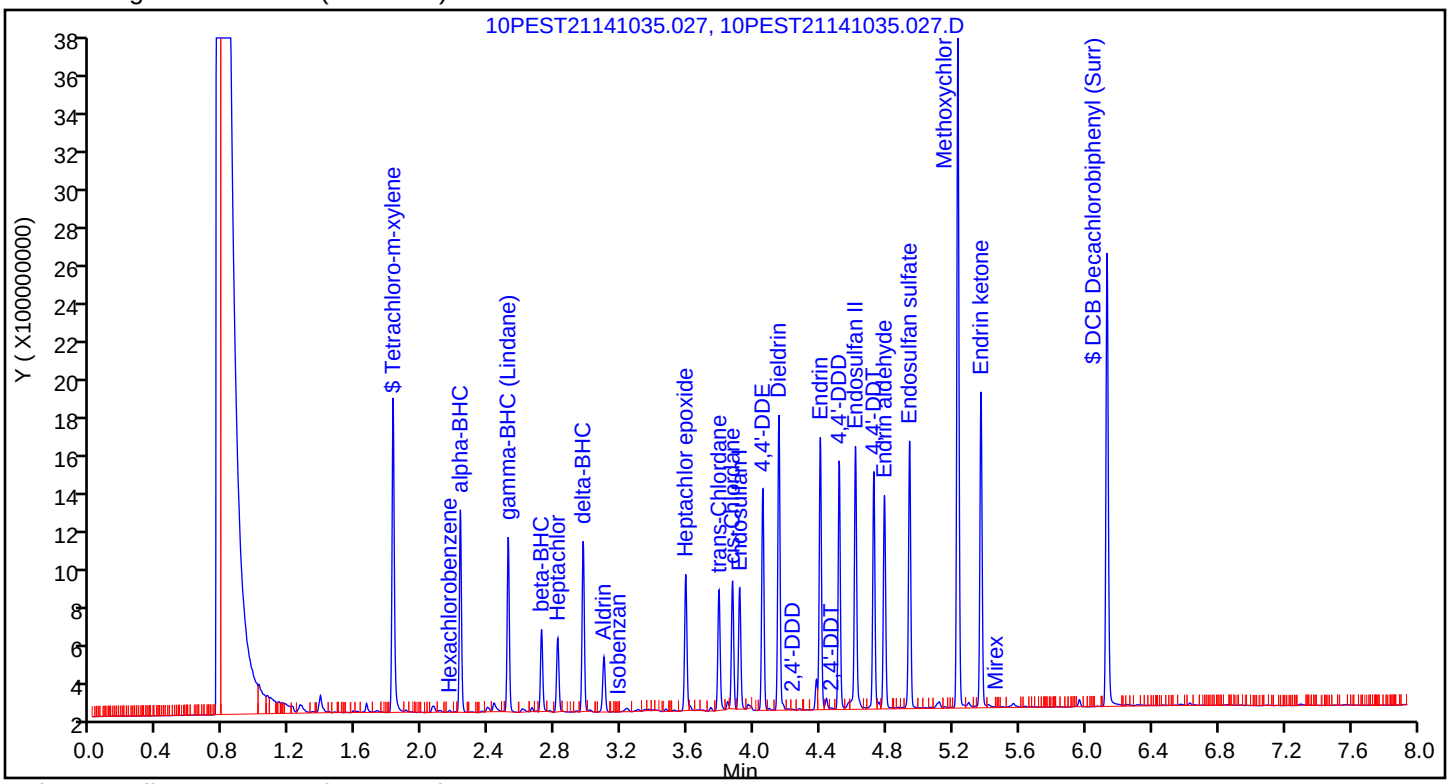
Client ID: MW-3-UF-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 27

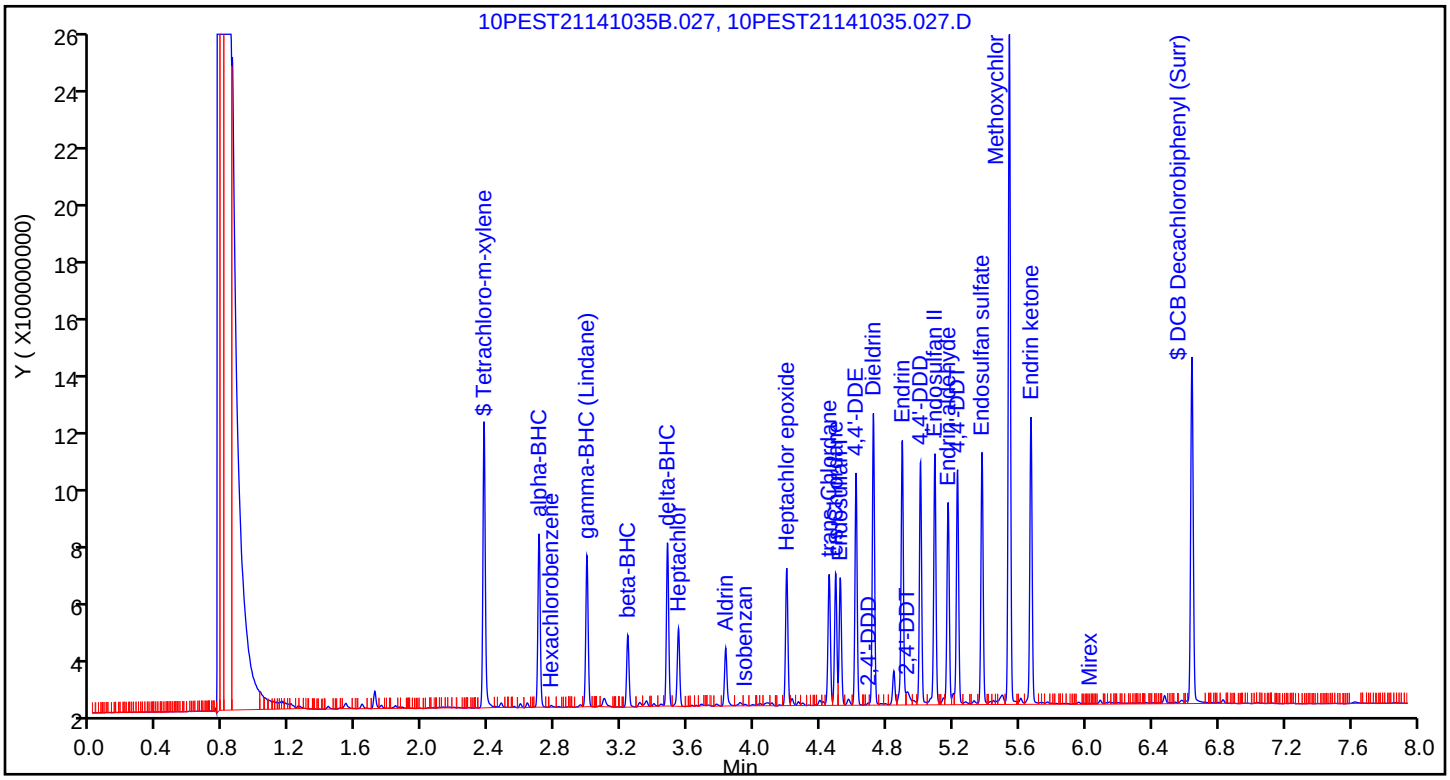
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-F-20210614 MS Lab Sample ID: 410-43723-2 MS

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.017.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:26

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 248.8(mL) Date Analyzed: 06/22/2021 09:23

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0294		0.020	0.0020
319-84-6	alpha-BHC	0.0924		0.020	0.0030
319-85-7	beta-BHC	0.0972		0.020	0.0034
319-86-8	delta-BHC	0.0962		0.020	0.0034
60-57-1	Dieldrin	0.180		0.030	0.0053
33213-65-9	Endosulfan II	0.189		0.040	0.015
1031-07-8	Endosulfan sulfate	0.183		0.030	0.0058
72-20-8	Endrin	0.179		0.030	0.0081
7421-93-4	Endrin aldehyde	0.181		0.10	0.020
53494-70-5	Endrin ketone	0.204		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	0.0954		0.020	0.0020
76-44-8	Heptachlor	0.0364		0.020	0.0020
1024-57-3	Heptachlor epoxide	0.0862		0.020	0.0023
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	0.196		0.030	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	93		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	66		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.017.D
Lims ID: 410-43723-A-2-A MS
Client ID: MW-3-F-20210614
Sample Type: MS
Inject. Date: 22-Jun-2021 09:23:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-2-A MS
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:46:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.822	1.825	-0.003	1645718232H	15.1	9.95	
2	2.367	2.368	-0.001	983815189H	15.1	9.82	
						RPD = 1.37	
2 Hexachlorobenzene							
1	2.158	2.167	-0.009	3010575H		0.0159	
2	2.772	2.777	-0.005	1351345H		0.0102	
						RPD = 44.04	
3 alpha-BHC							
1	2.228	2.232	-0.004	1134802572H	5.06	4.60	
2	2.698	2.702	-0.004	639997250H	5.06	4.49	
						RPD = 2.32	
4 gamma-BHC (Lindane)							
1	2.517	2.520	-0.003	1020727476H	5.00	4.75	
2	2.987	2.990	-0.003	568545720H	5.00	4.63	
						RPD = 2.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)							U
1		2.663				ND	
1		3.237					
1		3.617					
1		3.792					
1		3.873					
2		3.352					
2		3.840					
2		4.225					
2		4.452					
2		4.490					
6 beta-BHC							
1	2.718	2.722	-0.004	480719777H	5.00	4.84	
2	3.233	3.237	-0.004	259990959H	5.00	4.43	
						RPD = 8.66	
7 Heptachlor							
1	2.817	2.820	-0.003	308373938H	5.06	1.81	
2	3.540	3.543	-0.003	200964845H	5.06	1.70	
						RPD = 6.54	
8 delta-BHC							
1	2.970	2.973	-0.003	1005130639H	5.00	4.79	
2	3.473	3.477	-0.004	606612423H	5.00	4.68	
						RPD = 2.24	
9 Aldrin							
1	3.095	3.100	-0.005	258025468H	5.06	1.46	
2	3.825	3.828	-0.003	167165364H	5.06	1.43	
						RPD = 2.52	
10 Isobenzan							
1	3.190	3.205	-0.015	40519H		0.000351	
2	3.935	3.937	-0.002	2131832H		0.0229	
						RPD = 193.97	
11 Heptachlor epoxide							
1	3.588	3.592	-0.004	711681844H	5.00	4.29	
2	4.193	4.197	-0.004	462477805H	5.00	4.25	
						RPD = 1.00	
12 trans-Chlordane							
1	3.790	3.793	-0.003	454038015H	5.00	2.71	
2	4.450	4.453	-0.003	316712540H	5.00	2.74	
						RPD = 1.13	
13 2,4'-DDE							
1		3.803				ND	
2		4.333					
14 cis-Chlordane							
1	3.872	3.875	-0.003	525590527H	5.00	3.06	
2	4.488	4.492	-0.004	349130279H	5.00	3.08	
						RPD = 0.81	
15 Endosulfan I							
1	3.913	3.918	-0.005	659793574H	5.06	4.07	
2	4.517	4.520	-0.003	439456432H	5.06	4.19	
						RPD = 2.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.053	4.058	-0.005	846954843H	10.1	4.85	
2	4.612	4.615	-0.003	567920643H	10.1	4.90	
						RPD = 0.97	
17 Dieldrin							
1	4.152	4.155	-0.003	1571501507H	10.0	8.96	
2	4.717	4.720	-0.003	989007334H	10.0	8.76	
						RPD = 2.27	
18 2,4'-DDD							
1	4.233	4.222	0.011	4855769H		0.0549	
2	4.683	4.692	-0.009	908860H		0.0134	
						RPD = 121.44	
19 Endrin							
1	4.402	4.405	-0.003	1451007651H	10.0	8.93	
2	4.892	4.893	-0.001	931219336H	10.0	8.79	
						RPD = 1.53	
20 2,4'-DDT							
1	4.468	4.453	0.015	6929730H		0.0760	
2	4.922	4.923	-0.001	33561079H		-0.1674	
						RPD = -532.36	
21 Kepone							
1		4.487				ND	
2		5.115					
22 4,4'-DDD							
1	4.515	4.518	-0.003	1332404093H	10.1	9.74	
2	5.002	5.005	-0.003	827163835H	10.1	8.82	
						RPD = 9.97	
27 Toxaphene							U
1		4.530				ND	
1		4.633					
1		4.848					
1		5.135					
1		5.228					
2		4.845					
2		5.135					
2		5.315					
2		5.603					
2		5.690					
23 Endosulfan II							
1	4.613	4.617	-0.004	1493422360H	10.1	9.41	
2	5.087	5.090	-0.003	898646338H	10.1	9.17	
						RPD = 2.62	
24 4,4'-DDT							
1	4.723	4.728	-0.005	1161181475H	10.1	8.85	
2	5.225	5.228	-0.003	735192349H	10.1	8.46	
						RPD = 4.47	
25 Endrin aldehyde							
1	4.788	4.792	-0.004	1224301822H	10.1	9.00	
2	5.167	5.170	-0.003	749806297H	10.1	8.95	
						RPD = 0.58	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 Endosulfan sulfate							
1	4.940	4.943	-0.003	1456210047H	10.1	9.09	
2	5.372	5.377	-0.005	872610417H	10.1	8.82	
						RPD = 2.99	
28 Methoxychlor							
1	5.232	5.235	-0.003	3517498875H	50.4	52.7	
2	5.538	5.542	-0.004	2206926251H	50.4	48.2	
						RPD = 8.95	
29 Endrin ketone							
1	5.372	5.375	-0.003	1697510241H	10.0	10.2	
2	5.668	5.672	-0.004	1024964533H	10.0	9.77	
						RPD = 4.03	
30 Mirex							
1	5.468	5.460	0.008	466627H		0.003735	
2	6.032	6.025	0.007	111868H		0.001375	
						RPD = 92.39	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.132	6.137	-0.005	2411094698H	15.0	13.9	
2	6.638	6.645	-0.007	1217418013H	15.0	14.1	
						RPD = 1.04	
S 32 Total DDTs							
1						8.29	
2						8.92	
						RPD = 7.32	
S 33 Endosulfan, Total							
1						13.4	
2						13.5	
						RPD = 0.97	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:34 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.017.D

Injection Date: 22-Jun-2021 09:23:00 Instrument ID: 9191

Lims ID: 410-43723-A-2-A MS

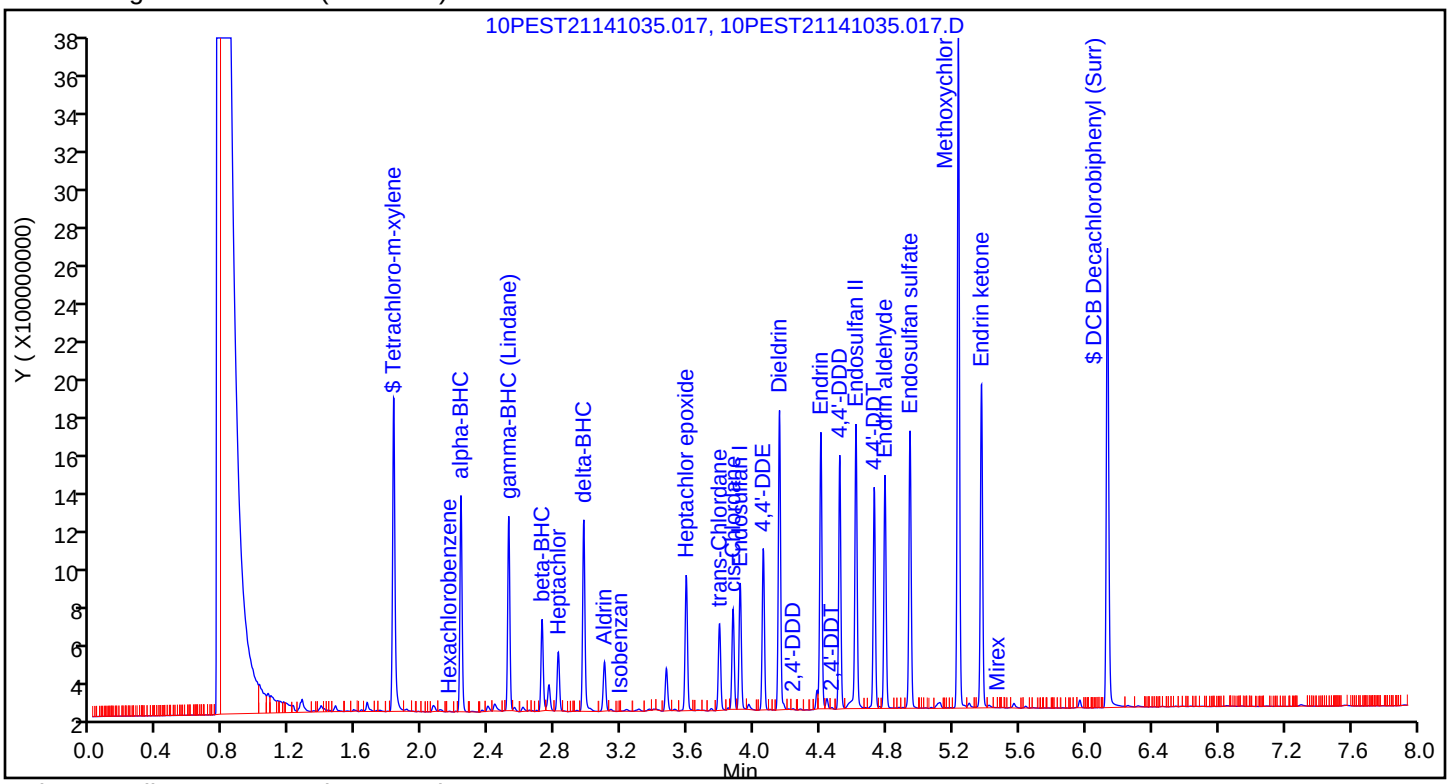
Client ID: MW-3-F-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 17

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



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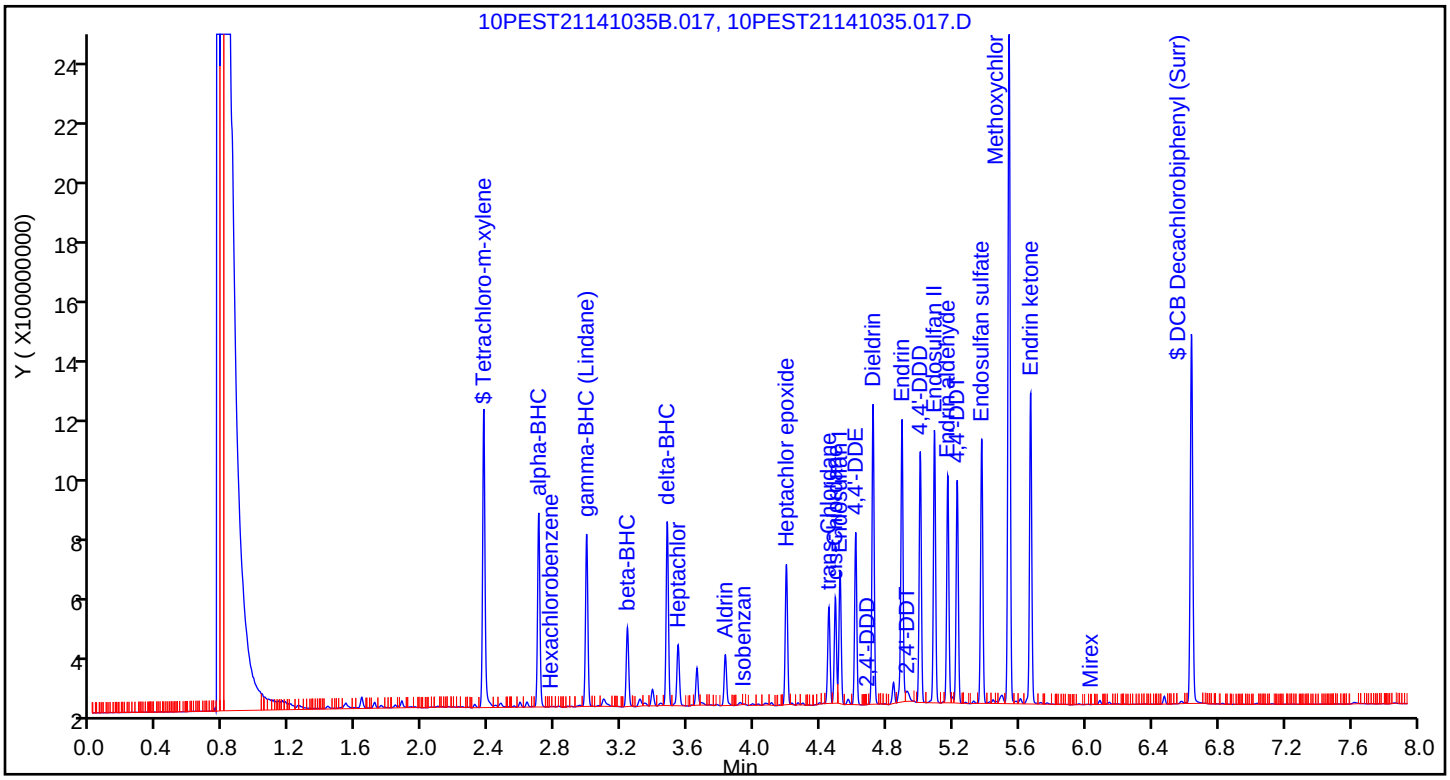


FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-F-20210614 MS Lab Sample ID: 410-43723-2 MS

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.017.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:26

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 248.8(mL) Date Analyzed: 06/22/2021 09:23

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
5103-71-9	alpha-Chlordane	0.0620		0.020	0.0030
959-98-8	Endosulfan I	0.0841		0.020	0.0043
5103-74-2	gamma-Chlordane	0.0551		0.040	0.0070
72-43-5	Methoxychlor	0.968		0.11	0.030
72-55-9	p,p'-DDE	0.0984		0.030	0.0050
50-29-3	p,p'-DDT	0.170		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	94		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	65		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.017.D
Lims ID: 410-43723-A-2-A MS
Client ID: MW-3-F-20210614
Sample Type: MS
Inject. Date: 22-Jun-2021 09:23:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-2-A MS
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:46:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.822	1.825	-0.003	1645718232H	15.1	9.95	
2	2.367	2.368	-0.001	983815189H	15.1	9.82	
						RPD = 1.37	
2 Hexachlorobenzene							
1	2.158	2.167	-0.009	3010575H		0.0159	
2	2.772	2.777	-0.005	1351345H		0.0102	
						RPD = 44.04	
3 alpha-BHC							
1	2.228	2.232	-0.004	1134802572H	5.06	4.60	
2	2.698	2.702	-0.004	639997250H	5.06	4.49	
						RPD = 2.32	
4 gamma-BHC (Lindane)							
1	2.517	2.520	-0.003	1020727476H	5.00	4.75	
2	2.987	2.990	-0.003	568545720H	5.00	4.63	
						RPD = 2.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)							U
1		2.663				ND	
1		3.237					
1		3.617					
1		3.792					
1		3.873					
2		3.352					
2		3.840					
2		4.225					
2		4.452					
2		4.490					
6 beta-BHC							
1	2.718	2.722	-0.004	480719777H	5.00	4.84	
2	3.233	3.237	-0.004	259990959H	5.00	4.43	
						RPD = 8.66	
7 Heptachlor							
1	2.817	2.820	-0.003	308373938H	5.06	1.81	
2	3.540	3.543	-0.003	200964845H	5.06	1.70	
						RPD = 6.54	
8 delta-BHC							
1	2.970	2.973	-0.003	1005130639H	5.00	4.79	
2	3.473	3.477	-0.004	606612423H	5.00	4.68	
						RPD = 2.24	
9 Aldrin							
1	3.095	3.100	-0.005	258025468H	5.06	1.46	
2	3.825	3.828	-0.003	167165364H	5.06	1.43	
						RPD = 2.52	
10 Isobenzan							
1	3.190	3.205	-0.015	40519H		0.000351	
2	3.935	3.937	-0.002	2131832H		0.0229	
						RPD = 193.97	
11 Heptachlor epoxide							
1	3.588	3.592	-0.004	711681844H	5.00	4.29	
2	4.193	4.197	-0.004	462477805H	5.00	4.25	
						RPD = 1.00	
12 trans-Chlordane							
1	3.790	3.793	-0.003	454038015H	5.00	2.71	
2	4.450	4.453	-0.003	316712540H	5.00	2.74	
						RPD = 1.13	
13 2,4'-DDE							
1		3.803				ND	
2		4.333					
14 cis-Chlordane							
1	3.872	3.875	-0.003	525590527H	5.00	3.06	
2	4.488	4.492	-0.004	349130279H	5.00	3.08	
						RPD = 0.81	
15 Endosulfan I							
1	3.913	3.918	-0.005	659793574H	5.06	4.07	
2	4.517	4.520	-0.003	439456432H	5.06	4.19	
						RPD = 2.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.053	4.058	-0.005	846954843H	10.1	4.85	
2	4.612	4.615	-0.003	567920643H	10.1	4.90	
						RPD = 0.97	
17 Dieldrin							
1	4.152	4.155	-0.003	1571501507H	10.0	8.96	
2	4.717	4.720	-0.003	989007334H	10.0	8.76	
						RPD = 2.27	
18 2,4'-DDD							
1	4.233	4.222	0.011	4855769H		0.0549	
2	4.683	4.692	-0.009	908860H		0.0134	
						RPD = 121.44	
19 Endrin							
1	4.402	4.405	-0.003	1451007651H	10.0	8.93	
2	4.892	4.893	-0.001	931219336H	10.0	8.79	
						RPD = 1.53	
20 2,4'-DDT							
1	4.468	4.453	0.015	6929730H		0.0760	
2	4.922	4.923	-0.001	33561079H		-0.1674	
						RPD = -532.36	
21 Kepone							
1		4.487				ND	
2		5.115					
22 4,4'-DDD							
1	4.515	4.518	-0.003	1332404093H	10.1	9.74	
2	5.002	5.005	-0.003	827163835H	10.1	8.82	
						RPD = 9.97	
27 Toxaphene							U
1		4.530				ND	
1		4.633					
1		4.848					
1		5.135					
1		5.228					
2		4.845					
2		5.135					
2		5.315					
2		5.603					
2		5.690					
23 Endosulfan II							
1	4.613	4.617	-0.004	1493422360H	10.1	9.41	
2	5.087	5.090	-0.003	898646338H	10.1	9.17	
						RPD = 2.62	
24 4,4'-DDT							
1	4.723	4.728	-0.005	1161181475H	10.1	8.85	
2	5.225	5.228	-0.003	735192349H	10.1	8.46	
						RPD = 4.47	
25 Endrin aldehyde							
1	4.788	4.792	-0.004	1224301822H	10.1	9.00	
2	5.167	5.170	-0.003	749806297H	10.1	8.95	
						RPD = 0.58	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 Endosulfan sulfate							
1	4.940	4.943	-0.003	1456210047H	10.1	9.09	
2	5.372	5.377	-0.005	872610417H	10.1	8.82	
						RPD = 2.99	
28 Methoxychlor							
1	5.232	5.235	-0.003	3517498875H	50.4	52.7	
2	5.538	5.542	-0.004	2206926251H	50.4	48.2	
						RPD = 8.95	
29 Endrin ketone							
1	5.372	5.375	-0.003	1697510241H	10.0	10.2	
2	5.668	5.672	-0.004	1024964533H	10.0	9.77	
						RPD = 4.03	
30 Mirex							
1	5.468	5.460	0.008	466627H		0.003735	
2	6.032	6.025	0.007	111868H		0.001375	
						RPD = 92.39	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.132	6.137	-0.005	2411094698H	15.0	13.9	
2	6.638	6.645	-0.007	1217418013H	15.0	14.1	
						RPD = 1.04	
S 32 Total DDTs							
1						8.29	
2						8.92	
						RPD = 7.32	
S 33 Endosulfan, Total							
1						13.4	
2						13.5	
						RPD = 0.97	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:34 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.017.D

Injection Date: 22-Jun-2021 09:23:00 Instrument ID: 9191

Lims ID: 410-43723-A-2-A MS

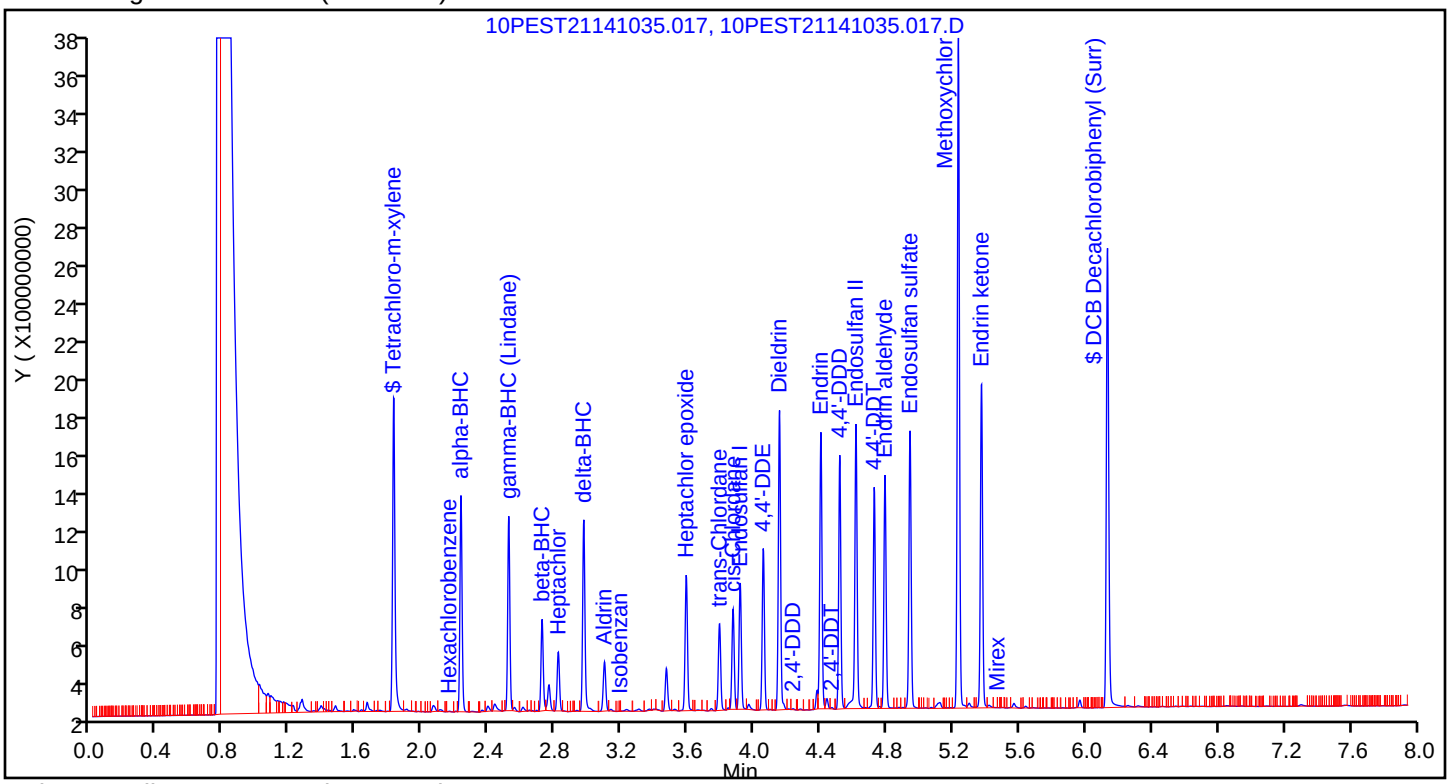
Client ID: MW-3-F-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 17

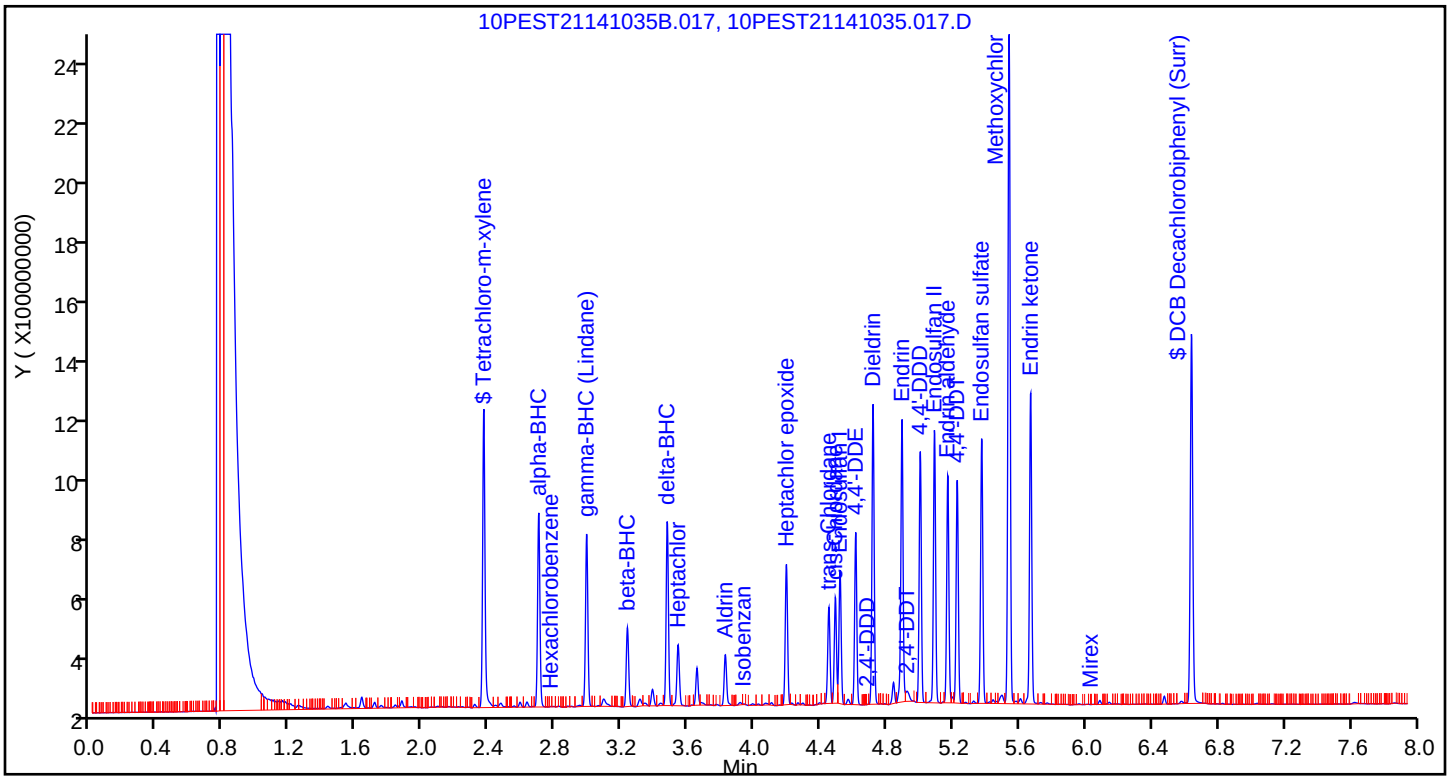
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-UF-20210614 MSD Lab Sample ID: 410-43723-1 MSD

Matrix: Ground Water Lab File ID: 10PEST21141035.028.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:23

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 239.3(mL) Date Analyzed: 06/22/2021 11:37

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.111		0.021	0.0031
319-85-7	beta-BHC	0.110		0.021	0.0036
1031-07-8	Endosulfan sulfate	0.230		0.031	0.0061
72-20-8	Endrin	0.227		0.031	0.0085
7421-93-4	Endrin aldehyde	0.224		0.10	0.021
53494-70-5	Endrin ketone	0.257		0.031	0.0052
58-89-9	gamma-BHC (Lindane)	0.110		0.021	0.0021
76-44-8	Heptachlor	0.0557		0.021	0.0021
8001-35-2	Toxaphene	ND		1.0	0.31
72-54-8	p,p'-DDD	0.248		0.031	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	107		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	77		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.028.D
Lims ID: 410-43723-A-1-B MSD
Client ID: MW-3-UF-20210614
Sample Type: MSD
Inject. Date: 22-Jun-2021 11:37:00 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-1-B MSD
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.820	1.825	-0.005	1917077953H	15.1	11.6	
2	2.365	2.368	-0.003	1136740317H	15.1	11.3	
						RPD = 2.18	
2 Hexachlorobenzene							
1	2.158	2.167	-0.009	819441H		0.004339	
2	2.777	2.777	0.000	225483H		0.001700	
						RPD = 87.40	
3 alpha-BHC							
1	2.227	2.232	-0.005	1306534111H	5.06	5.29	
2	2.697	2.702	-0.005	743370707H	5.06	5.22	
						RPD = 1.44	
4 gamma-BHC (Lindane)							
1	2.515	2.520	-0.005	1131007707H	5.00	5.26	
2	2.987	2.990	-0.003	631662342H	5.00	5.15	
						RPD = 2.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)							U
1		2.663				ND	
1		3.237					
1		3.617					
1		3.792					
1		3.873					
2		3.352					
2		3.840					
2		4.225					
2		4.452					
2		4.490					
6 beta-BHC							
1	2.717	2.722	-0.005	522696238H	5.00	5.26	
2	3.233	3.237	-0.004	294482741H	5.00	5.02	
						RPD = 4.58	
7 Heptachlor							
1	2.815	2.820	-0.005	453902048H	5.06	2.67	
2	3.538	3.543	-0.005	298986435H	5.06	2.53	
						RPD = 5.47	
8 delta-BHC							
1	2.968	2.973	-0.005	1141362599H	5.00	5.44	
2	3.473	3.477	-0.004	704534713H	5.00	5.44	
						RPD = 0.02	
9 Aldrin							
1	3.093	3.100	-0.007	323446326H	5.06	1.83	
2	3.823	3.828	-0.005	214919299H	5.06	1.83	
						RPD = 0.01	
10 Isobenzan							
1	3.185	3.205	-0.020	179818H		0.001557	
2	3.935	3.937	-0.002	3462771H		0.0373	
						RPD = 183.96	
11 Heptachlor epoxide							
1	3.588	3.592	-0.004	867202451H	5.00	5.23	
2	4.192	4.197	-0.005	575833793H	5.00	5.29	
						RPD = 1.15	
12 trans-Chlordane							
1	3.788	3.793	-0.005	760993222H	5.00	4.54	
2	4.448	4.453	-0.005	535772233H	5.00	4.64	
						RPD = 2.06	
13 2,4'-DDE							
1		3.803				ND	
2		4.333					
14 cis-Chlordane							
1	3.870	3.875	-0.005	802216572H	5.00	4.67	
2	4.488	4.492	-0.004	534102494H	5.00	4.72	
						RPD = 1.04	
15 Endosulfan I							
1	3.913	3.918	-0.005	788919565H	5.06	4.87	
2	4.517	4.520	-0.003	525634848H	5.06	5.01	
						RPD = 2.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.053	4.058	-0.005	1375111628H	10.1	7.87	
2	4.612	4.615	-0.003	918104160H	10.1	7.92	
						RPD = 0.54	
17 Dieldrin							
1	4.150	4.155	-0.005	1923330536H	10.0	11.0	
2	4.715	4.720	-0.005	1248603577H	10.0	11.1	
						RPD = 0.84	
18 2,4'-DDD							
1	4.228	4.222	0.006	2026481H		0.0229	
2	4.687	4.692	-0.005	9411785H		0.1389	
						RPD = 143.38	
19 Endrin							
1	4.400	4.405	-0.005	1767906344H	10.0	10.9	
2	4.890	4.893	-0.003	1135238054H	10.0	10.7	
						RPD = 1.48	
20 2,4'-DDT							
1	4.437	4.453	-0.016	64646434H		0.7086	
2	4.920	4.923	-0.003	44199858H		-0.006862	
						RPD = 203.91	
21 Kepone							
1	4.470	4.487	-0.017	10193410H		0.1139	
2	5.138	5.115	0.023	27648217H		0.4843	
						RPD = 123.85	
22 4,4'-DDD							
1	4.515	4.518	-0.003	1621937395H	10.1	11.9	
2	5.000	5.005	-0.005	1013305568H	10.1	10.8	
						RPD = 9.33	
27 Toxaphene							U
1		4.530				ND	
1		4.633					
1		4.848					
1		5.135					
1		5.228					
2		4.845					
2		5.135					
2		5.315					
2		5.603					
2		5.690					
23 Endosulfan II							
1	4.613	4.617	-0.004	1700660984H	10.1	10.7	
2	5.087	5.090	-0.003	1066041394H	10.1	10.9	
						RPD = 1.47	
24 4,4'-DDT							
1	4.723	4.728	-0.005	1580488379H	10.1	12.0	
2	5.223	5.228	-0.005	1013671873H	10.1	11.7	
						RPD = 3.18	
25 Endrin aldehyde							
1	4.788	4.792	-0.004	1455507057H	10.1	10.7	
2	5.167	5.170	-0.003	893002540H	10.1	10.7	
						RPD = 0.41	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 Endosulfan sulfate							
1	4.938	4.943	-0.005	1763956245H	10.1	11.0	
2	5.372	5.377	-0.005	1069149010H	10.1	10.8	
						RPD = 1.85	
28 Methoxychlor							
1	5.230	5.235	-0.005	4298042742H	50.4	64.4	
2	5.537	5.542	-0.005	2865029656H	50.4	62.6	
						RPD = 2.90	
29 Endrin ketone							
1	5.370	5.375	-0.005	2054521451H	10.0	12.3	
2	5.667	5.672	-0.005	1222308082H	10.0	11.7	
						RPD = 5.51	
30 Mirex							
1	5.465	5.460	0.005	4698284H		0.0376	
2	6.017	6.025	-0.008	1555254H		0.0191	
						RPD = 65.22	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.132	6.137	-0.005	2792409792H	15.0	16.1	
2	6.640	6.645	-0.005	1370384307H	15.0	15.8	
						RPD = 1.81	
S 32 Total DDTs							
1						11.7	
2						12.8	
						RPD = 8.95	
S 33 Endosulfan, Total							
1						15.9	
2						15.6	
						RPD = 1.88	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:51 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.028.D

Injection Date: 22-Jun-2021 11:37:00 Instrument ID: 9191

Lims ID: 410-43723-A-1-B MSD

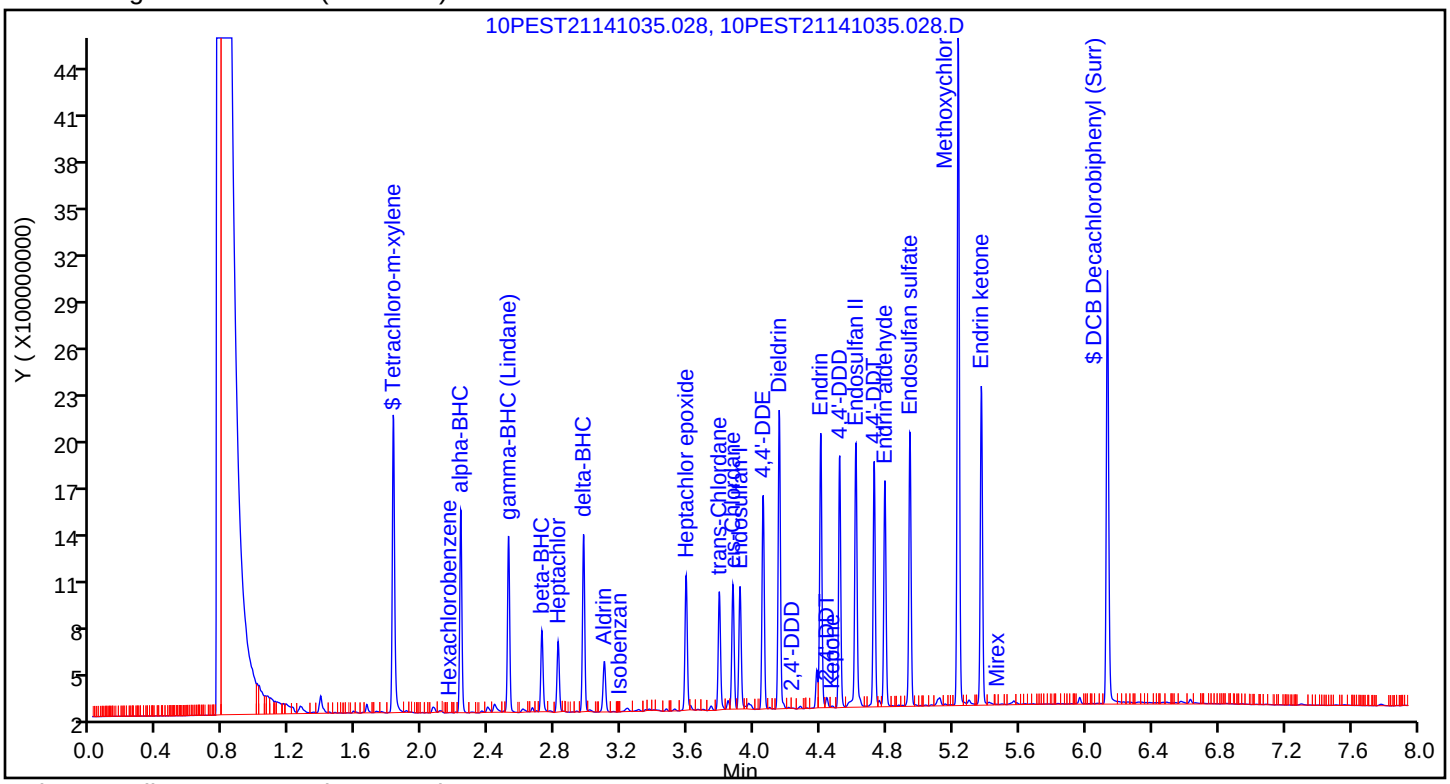
Client ID: MW-3-UF-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 28

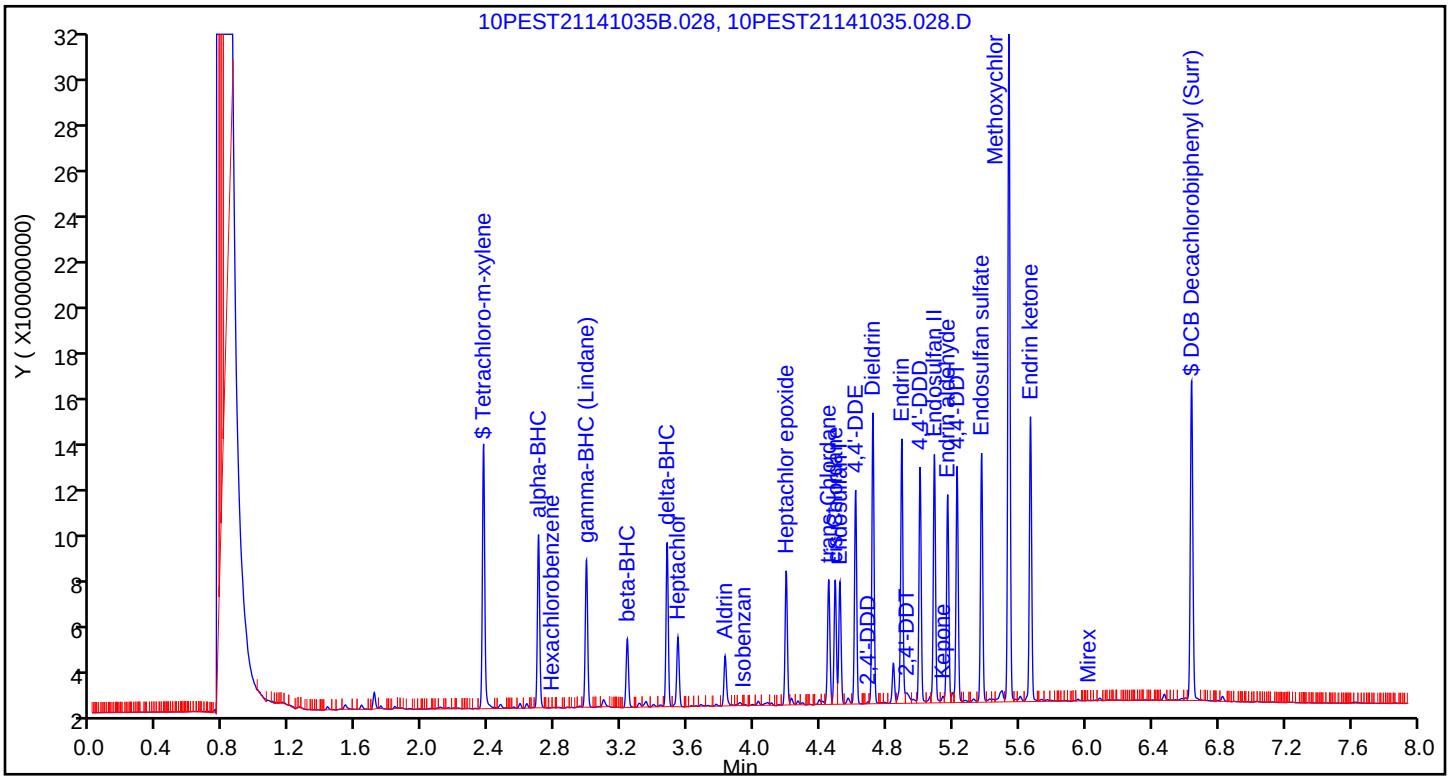
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-UF-20210614 MSD Lab Sample ID: 410-43723-1 MSD

Matrix: Ground Water Lab File ID: 10PEST21141035.028.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:23

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 239.3(mL) Date Analyzed: 06/22/2021 11:37

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0383		0.021	0.0021
5103-71-9	alpha-Chlordane	0.0986		0.021	0.0031
319-86-8	delta-BHC	0.114		0.021	0.0036
60-57-1	Dieldrin	0.231		0.031	0.0055
959-98-8	Endosulfan I	0.105		0.021	0.0045
33213-65-9	Endosulfan II	0.227		0.042	0.016
5103-74-2	gamma-Chlordane	0.0969		0.042	0.0073
1024-57-3	Heptachlor epoxide	0.110		0.021	0.0024
72-43-5	Methoxychlor	1.31		0.11	0.031
72-55-9	p,p'-DDE	0.165		0.031	0.0052
50-29-3	p,p'-DDT	0.244		0.031	0.0054

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	105		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	75		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.028.D
Lims ID: 410-43723-A-1-B MSD
Client ID: MW-3-UF-20210614
Sample Type: MSD
Inject. Date: 22-Jun-2021 11:37:00 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-1-B MSD
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:49:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.820	1.825	-0.005	1917077953H	15.1	11.6	
2	2.365	2.368	-0.003	1136740317H	15.1	11.3	
						RPD = 2.18	
2 Hexachlorobenzene							
1	2.158	2.167	-0.009	819441H		0.004339	
2	2.777	2.777	0.000	225483H		0.001700	
						RPD = 87.40	
3 alpha-BHC							
1	2.227	2.232	-0.005	1306534111H	5.06	5.29	
2	2.697	2.702	-0.005	743370707H	5.06	5.22	
						RPD = 1.44	
4 gamma-BHC (Lindane)							
1	2.515	2.520	-0.005	1131007707H	5.00	5.26	
2	2.987	2.990	-0.003	631662342H	5.00	5.15	
						RPD = 2.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)							U
1		2.663				ND	
1		3.237					
1		3.617					
1		3.792					
1		3.873					
2		3.352					
2		3.840					
2		4.225					
2		4.452					
2		4.490					
6 beta-BHC							
1	2.717	2.722	-0.005	522696238H	5.00	5.26	
2	3.233	3.237	-0.004	294482741H	5.00	5.02	
						RPD = 4.58	
7 Heptachlor							
1	2.815	2.820	-0.005	453902048H	5.06	2.67	
2	3.538	3.543	-0.005	298986435H	5.06	2.53	
						RPD = 5.47	
8 delta-BHC							
1	2.968	2.973	-0.005	1141362599H	5.00	5.44	
2	3.473	3.477	-0.004	704534713H	5.00	5.44	
						RPD = 0.02	
9 Aldrin							
1	3.093	3.100	-0.007	323446326H	5.06	1.83	
2	3.823	3.828	-0.005	214919299H	5.06	1.83	
						RPD = 0.01	
10 Isobenzan							
1	3.185	3.205	-0.020	179818H		0.001557	
2	3.935	3.937	-0.002	3462771H		0.0373	
						RPD = 183.96	
11 Heptachlor epoxide							
1	3.588	3.592	-0.004	867202451H	5.00	5.23	
2	4.192	4.197	-0.005	575833793H	5.00	5.29	
						RPD = 1.15	
12 trans-Chlordane							
1	3.788	3.793	-0.005	760993222H	5.00	4.54	
2	4.448	4.453	-0.005	535772233H	5.00	4.64	
						RPD = 2.06	
13 2,4'-DDE							
1		3.803				ND	
2		4.333					
14 cis-Chlordane							
1	3.870	3.875	-0.005	802216572H	5.00	4.67	
2	4.488	4.492	-0.004	534102494H	5.00	4.72	
						RPD = 1.04	
15 Endosulfan I							
1	3.913	3.918	-0.005	788919565H	5.06	4.87	
2	4.517	4.520	-0.003	525634848H	5.06	5.01	
						RPD = 2.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.053	4.058	-0.005	1375111628H	10.1	7.87	
2	4.612	4.615	-0.003	918104160H	10.1	7.92	
						RPD = 0.54	
17 Dieldrin							
1	4.150	4.155	-0.005	1923330536H	10.0	11.0	
2	4.715	4.720	-0.005	1248603577H	10.0	11.1	
						RPD = 0.84	
18 2,4'-DDD							
1	4.228	4.222	0.006	2026481H		0.0229	
2	4.687	4.692	-0.005	9411785H		0.1389	
						RPD = 143.38	
19 Endrin							
1	4.400	4.405	-0.005	1767906344H	10.0	10.9	
2	4.890	4.893	-0.003	1135238054H	10.0	10.7	
						RPD = 1.48	
20 2,4'-DDT							
1	4.437	4.453	-0.016	64646434H		0.7086	
2	4.920	4.923	-0.003	44199858H		-0.006862	
						RPD = 203.91	
21 Kepone							
1	4.470	4.487	-0.017	10193410H		0.1139	
2	5.138	5.115	0.023	27648217H		0.4843	
						RPD = 123.85	
22 4,4'-DDD							
1	4.515	4.518	-0.003	1621937395H	10.1	11.9	
2	5.000	5.005	-0.005	1013305568H	10.1	10.8	
						RPD = 9.33	
27 Toxaphene							U
1		4.530				ND	
1		4.633					
1		4.848					
1		5.135					
1		5.228					
2		4.845					
2		5.135					
2		5.315					
2		5.603					
2		5.690					
23 Endosulfan II							
1	4.613	4.617	-0.004	1700660984H	10.1	10.7	
2	5.087	5.090	-0.003	1066041394H	10.1	10.9	
						RPD = 1.47	
24 4,4'-DDT							
1	4.723	4.728	-0.005	1580488379H	10.1	12.0	
2	5.223	5.228	-0.005	1013671873H	10.1	11.7	
						RPD = 3.18	
25 Endrin aldehyde							
1	4.788	4.792	-0.004	1455507057H	10.1	10.7	
2	5.167	5.170	-0.003	893002540H	10.1	10.7	
						RPD = 0.41	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 Endosulfan sulfate							
1	4.938	4.943	-0.005	1763956245H	10.1	11.0	
2	5.372	5.377	-0.005	1069149010H	10.1	10.8	
						RPD = 1.85	
28 Methoxychlor							
1	5.230	5.235	-0.005	4298042742H	50.4	64.4	
2	5.537	5.542	-0.005	2865029656H	50.4	62.6	
						RPD = 2.90	
29 Endrin ketone							
1	5.370	5.375	-0.005	2054521451H	10.0	12.3	
2	5.667	5.672	-0.005	1222308082H	10.0	11.7	
						RPD = 5.51	
30 Mirex							
1	5.465	5.460	0.005	4698284H		0.0376	
2	6.017	6.025	-0.008	1555254H		0.0191	
						RPD = 65.22	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.132	6.137	-0.005	2792409792H	15.0	16.1	
2	6.640	6.645	-0.005	1370384307H	15.0	15.8	
						RPD = 1.81	
S 32 Total DDTs							
1						11.7	
2						12.8	
						RPD = 8.95	
S 33 Endosulfan, Total							
1						15.9	
2						15.6	
						RPD = 1.88	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:51 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.028.D

Injection Date: 22-Jun-2021 11:37:00 Instrument ID: 9191

Lims ID: 410-43723-A-1-B MSD

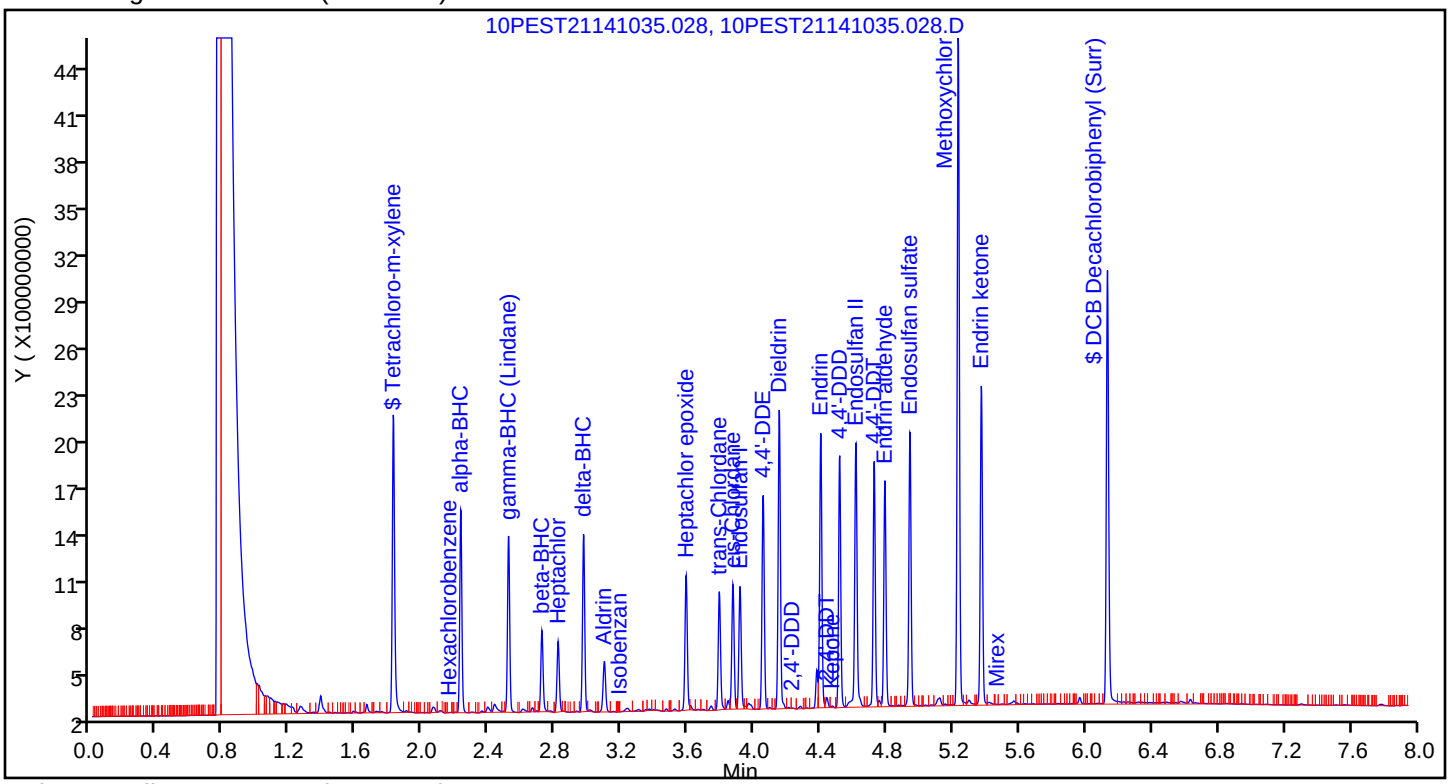
Client ID: MW-3-UF-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 28

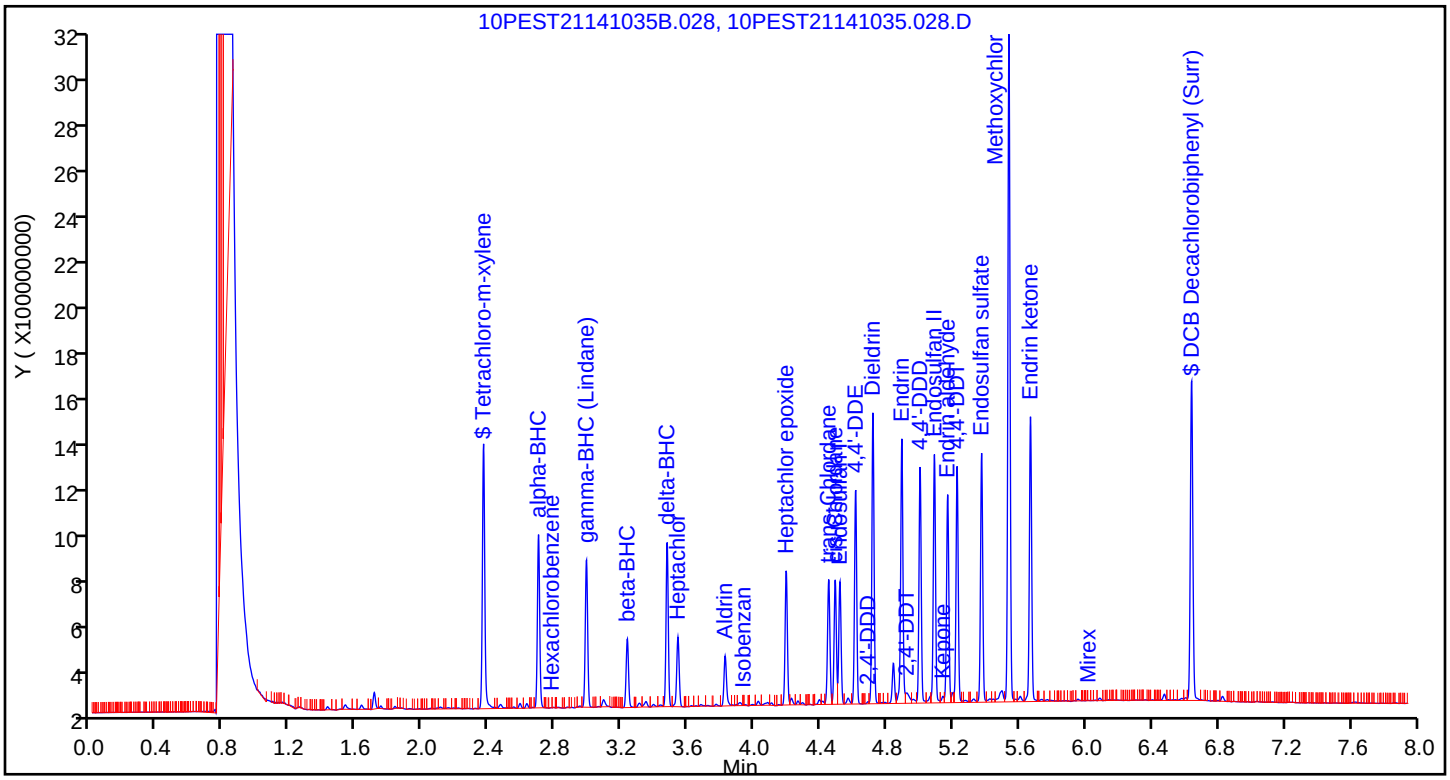
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-F-20210614 MSD Lab Sample ID: 410-43723-2 MSD

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.018.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:26

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 244.6(mL) Date Analyzed: 06/22/2021 09:35

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP1 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0289		0.020	0.0020
319-84-6	alpha-BHC	0.0955		0.020	0.0031
319-85-7	beta-BHC	0.0991		0.020	0.0035
319-86-8	delta-BHC	0.0984		0.020	0.0035
60-57-1	Dieldrin	0.188		0.031	0.0054
959-98-8	Endosulfan I	0.0852		0.020	0.0044
33213-65-9	Endosulfan II	0.183		0.041	0.015
1031-07-8	Endosulfan sulfate	0.182		0.031	0.0059
72-20-8	Endrin	0.180		0.031	0.0083
7421-93-4	Endrin aldehyde	0.182		0.10	0.020
53494-70-5	Endrin ketone	0.205		0.031	0.0051
58-89-9	gamma-BHC (Lindane)	0.0944		0.020	0.0020
76-44-8	Heptachlor	0.0392		0.020	0.0020
8001-35-2	Toxaphene	ND		1.0	0.31
72-54-8	p,p'-DDD	0.197		0.031	0.0051
72-55-9	p,p'-DDE	0.122		0.031	0.0051

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	93		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	60		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.018.D
Lims ID: 410-43723-A-2-B MSD
Client ID: MW-3-F-20210614
Sample Type: MSD
Inject. Date: 22-Jun-2021 09:35:00 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-2-B MSD
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:46:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.818	1.825	-0.007	1493147379H	15.1	9.03	
2	2.367	2.368	-0.001	887841610H	15.1	8.86	
						RPD = 1.90	
2 Hexachlorobenzene							
1	2.157	2.167	-0.010	1891534H		0.0100	
2	2.775	2.777	-0.002	2406123H		0.0181	
						RPD = 57.71	
3 alpha-BHC							
1	2.223	2.232	-0.009	1152919527H	5.06	4.67	
2	2.698	2.702	-0.004	640713342H	5.06	4.50	
						RPD = 3.80	
4 gamma-BHC (Lindane)							
1	2.512	2.520	-0.008	993058284H	5.00	4.62	
2	2.988	2.990	-0.002	559550835H	5.00	4.56	
						RPD = 1.29	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)							U
1		2.663				ND	
1		3.237					
1		3.617					
1		3.792					
1		3.873					
2		3.352					
2		3.840					
2		4.225					
2		4.452					
2		4.490					
6 beta-BHC							
1	2.713	2.722	-0.009	481872074H	5.00	4.85	
2	3.233	3.237	-0.004	270853932H	5.00	4.62	
						RPD = 4.81	
7 Heptachlor							
1	2.812	2.820	-0.008	326039657H	5.06	1.92	
2	3.540	3.543	-0.003	208506456H	5.06	1.76	
						RPD = 8.42	
8 delta-BHC							
1	2.965	2.973	-0.008	1009958666H	5.00	4.81	
2	3.473	3.477	-0.004	618331379H	5.00	4.77	
						RPD = 0.80	
9 Aldrin							
1	3.090	3.100	-0.010	249322872H	5.06	1.41	
2	3.825	3.828	-0.003	164100799H	5.06	1.40	
						RPD = 0.94	
10 Isobenzan							
1	3.202	3.205	-0.003	522424H		0.004522	
2	3.915	3.937	-0.022	8820639H		0.0949	
						RPD = 181.80	
11 Heptachlor epoxide							
1	3.583	3.592	-0.009	728709978H	5.00	4.39	
2	4.193	4.197	-0.004	481719230H	5.00	4.42	
						RPD = 0.71	
12 trans-Chlordane							
1	3.785	3.793	-0.008	542527028H	5.00	3.24	
2	4.450	4.453	-0.003	375977093H	5.00	3.25	
						RPD = 0.48	
13 2,4'-DDE							
1		3.803				ND	
2		4.333					
14 cis-Chlordane							
1	3.867	3.875	-0.008	590487687H	5.00	3.44	
2	4.488	4.492	-0.004	393329686H	5.00	3.47	
						RPD = 1.09	
15 Endosulfan I							
1	3.910	3.918	-0.008	675386996H	5.06	4.17	
2	4.517	4.520	-0.003	432808341H	5.06	4.12	
						RPD = 1.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.050	4.058	-0.008	1038656829H	10.1	5.95	
2	4.612	4.615	-0.003	678198783H	10.1	5.85	
						RPD = 1.69	
17 Dieldrin							
1	4.147	4.155	-0.008	1616145593H	10.0	9.22	
2	4.717	4.720	-0.003	1002258802H	10.0	8.88	
						RPD = 3.74	
18 2,4'-DDD							
1	4.230	4.222	0.008	5734749H		0.0648	
2	4.670	4.692	-0.022	629275H		0.009284	
						RPD = 149.87	
19 Endrin							
1	4.397	4.405	-0.008	1431766677H	10.0	8.81	
2	4.890	4.893	-0.003	924224854H	10.0	8.73	
						RPD = 0.95	
20 2,4'-DDT							
1	4.463	4.453	0.010	6175823H		0.0677	
2	4.923	4.923	0.000	42677245H		-0.0298	
						RPD = 515.20	
21 Kepone							
1		4.487				ND	
2		5.115					
22 4,4'-DDD							
1	4.510	4.518	-0.008	1317052795H	10.1	9.63	
2	5.002	5.005	-0.003	847567220H	10.1	9.04	
						RPD = 6.38	
27 Toxaphene							U
1		4.530				ND	
1		4.633					
1		4.848					
1		5.135					
1		5.228					
2		4.845					
2		5.135					
2		5.315					
2		5.603					
2		5.690					
23 Endosulfan II							
1	4.610	4.617	-0.007	1421595821H	10.1	8.96	
2	5.088	5.090	-0.002	857241387H	10.1	8.74	
						RPD = 2.40	
24 4,4'-DDT							
1	4.720	4.728	-0.008	1164698173H	10.1	8.87	
2	5.225	5.228	-0.003	766602014H	10.1	8.82	
						RPD = 0.59	
25 Endrin aldehyde							
1	4.783	4.792	-0.009	1207671921H	10.1	8.88	
2	5.168	5.170	-0.002	707335112H	10.1	8.44	
						RPD = 5.05	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 Endosulfan sulfate							
1	4.935	4.943	-0.008	1425656991H	10.1	8.90	
2	5.373	5.377	-0.004	851401961H	10.1	8.61	
						RPD = 3.33	
28 Methoxychlor							
1	5.227	5.235	-0.008	3315416443H	50.4	49.7	
2	5.537	5.542	-0.005	2188814790H	50.4	47.8	
						RPD = 3.86	
29 Endrin ketone							
1	5.367	5.375	-0.008	1673709168H	10.0	10.0	
2	5.668	5.672	-0.004	983826666H	10.0	9.38	
						RPD = 6.71	
30 Mirex							
1	5.458	5.460	-0.002	398233H		0.003188	
2	6.018	6.025	-0.007	720903H		0.008859	
						RPD = 94.15	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.128	6.137	-0.009	2428021170H	15.0	14.0	
2	6.640	6.645	-0.005	1221330731H	15.0	14.1	
						RPD = 0.66	
S 32 Total DDTs							
1						8.79	
2						8.94	
						RPD = 1.68	
S 33 Endosulfan, Total							
1						12.9	
2						13.1	
						RPD = 2.00	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:35 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.018.D

Injection Date: 22-Jun-2021 09:35:00 Instrument ID: 9191

Lims ID: 410-43723-A-2-B MSD

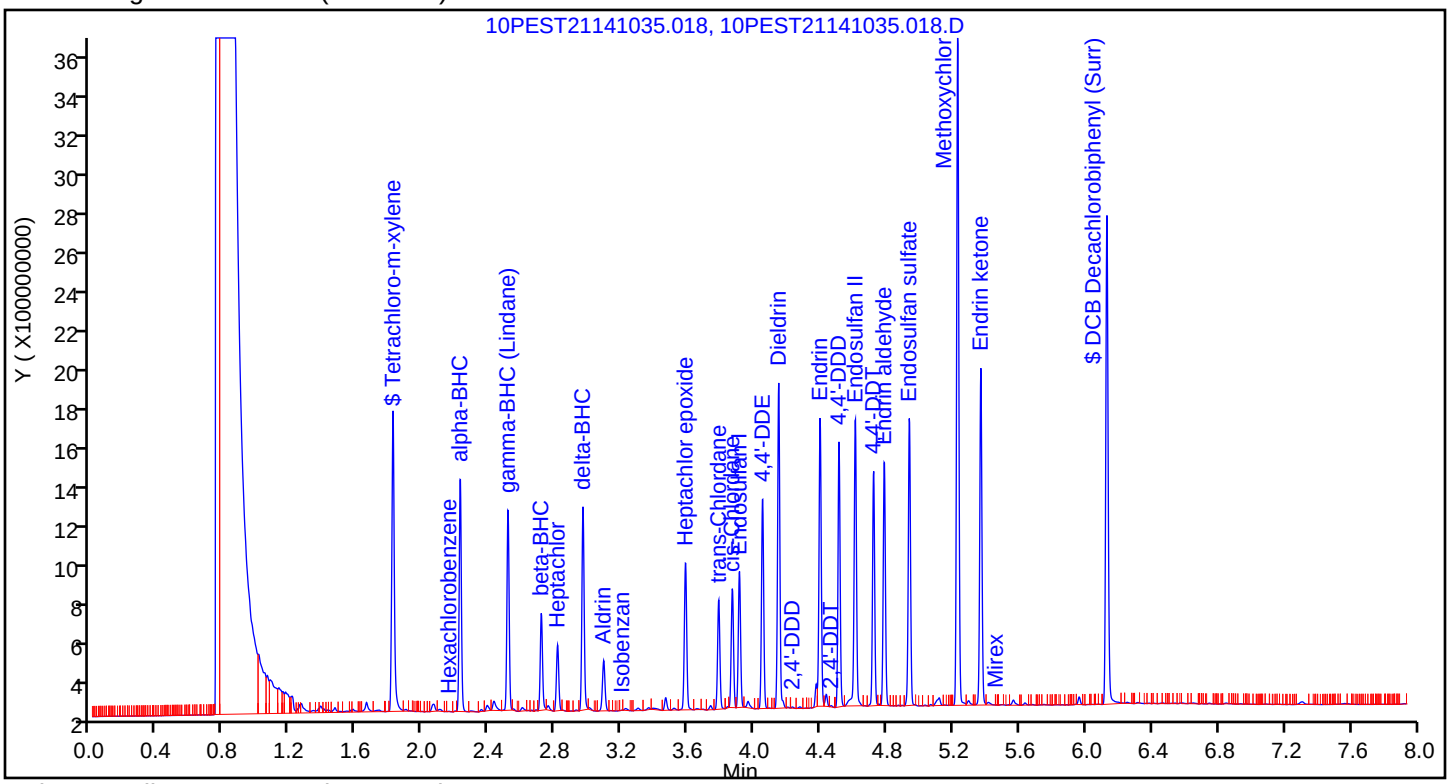
Client ID: MW-3-F-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 18

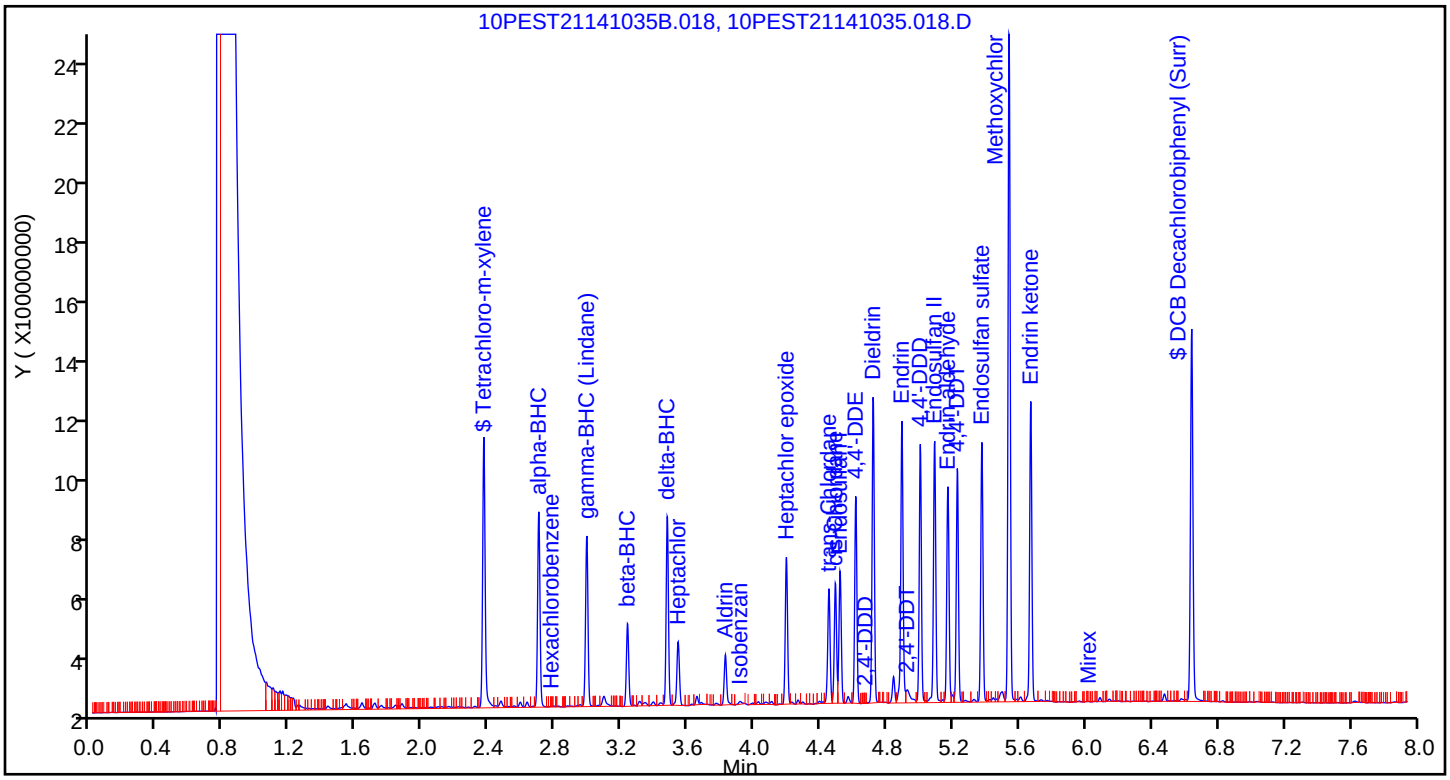
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-43723-1

SDG No.:

Client Sample ID: MW-3-F-20210614 MSD Lab Sample ID: 410-43723-2 MSD

Matrix: Ground Water (Dissolved) Lab File ID: 10PEST21141035.018.D

Analysis Method: 8081B Date Collected: 06/14/2021 11:26

Extraction Method: 3510C Date Extracted: 06/21/2021 16:30

Sample wt/vol: 244.6(mL) Date Analyzed: 06/22/2021 09:35

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: DB CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 140420 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
5103-71-9	alpha-Chlordane	0.0710		0.020	0.0031
5103-74-2	gamma-Chlordane	0.0665		0.041	0.0072
1024-57-3	Heptachlor epoxide	0.0904		0.020	0.0024
72-43-5	Methoxychlor	0.977		0.11	0.031
50-29-3	p,p'-DDT	0.180		0.031	0.0053

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	94		32-149
877-09-8	Tetrachloro-m-xylene (Surr)	59		29-129

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.018.D
Lims ID: 410-43723-A-2-B MSD
Client ID: MW-3-F-20210614
Sample Type: MSD
Inject. Date: 22-Jun-2021 09:35:00 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-43723-A-2-B MSD
Operator ID: 492 Instrument ID: 9191

Method: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\PEST_9191.m
Limit Group: GCSV - 8081B
Last Update: 22-Jun-2021 15:51:25 Calib Date: 22-Jun-2021 08:22:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: ECD1A
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: ECD2B
Process Host: CTX1606

First Level Reviewer: schreinerd Date: 22-Jun-2021 15:46:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.818	1.825	-0.007	1493147379H	15.1	9.03	
2	2.367	2.368	-0.001	887841610H	15.1	8.86	
						RPD = 1.90	
2 Hexachlorobenzene							
1	2.157	2.167	-0.010	1891534H		0.0100	
2	2.775	2.777	-0.002	2406123H		0.0181	
						RPD = 57.71	
3 alpha-BHC							
1	2.223	2.232	-0.009	1152919527H	5.06	4.67	
2	2.698	2.702	-0.004	640713342H	5.06	4.50	
						RPD = 3.80	
4 gamma-BHC (Lindane)							
1	2.512	2.520	-0.008	993058284H	5.00	4.62	
2	2.988	2.990	-0.002	559550835H	5.00	4.56	
						RPD = 1.29	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Chlordane (n.o.s.)							U
1		2.663				ND	
1		3.237					
1		3.617					
1		3.792					
1		3.873					
2		3.352					
2		3.840					
2		4.225					
2		4.452					
2		4.490					
6 beta-BHC							
1	2.713	2.722	-0.009	481872074H	5.00	4.85	
2	3.233	3.237	-0.004	270853932H	5.00	4.62	
						RPD = 4.81	
7 Heptachlor							
1	2.812	2.820	-0.008	326039657H	5.06	1.92	
2	3.540	3.543	-0.003	208506456H	5.06	1.76	
						RPD = 8.42	
8 delta-BHC							
1	2.965	2.973	-0.008	1009958666H	5.00	4.81	
2	3.473	3.477	-0.004	618331379H	5.00	4.77	
						RPD = 0.80	
9 Aldrin							
1	3.090	3.100	-0.010	249322872H	5.06	1.41	
2	3.825	3.828	-0.003	164100799H	5.06	1.40	
						RPD = 0.94	
10 Isobenzan							
1	3.202	3.205	-0.003	522424H		0.004522	
2	3.915	3.937	-0.022	8820639H		0.0949	
						RPD = 181.80	
11 Heptachlor epoxide							
1	3.583	3.592	-0.009	728709978H	5.00	4.39	
2	4.193	4.197	-0.004	481719230H	5.00	4.42	
						RPD = 0.71	
12 trans-Chlordane							
1	3.785	3.793	-0.008	542527028H	5.00	3.24	
2	4.450	4.453	-0.003	375977093H	5.00	3.25	
						RPD = 0.48	
13 2,4'-DDE							
1		3.803				ND	
2		4.333					
14 cis-Chlordane							
1	3.867	3.875	-0.008	590487687H	5.00	3.44	
2	4.488	4.492	-0.004	393329686H	5.00	3.47	
						RPD = 1.09	
15 Endosulfan I							
1	3.910	3.918	-0.008	675386996H	5.06	4.17	
2	4.517	4.520	-0.003	432808341H	5.06	4.12	
						RPD = 1.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.050	4.058	-0.008	1038656829H	10.1	5.95	
2	4.612	4.615	-0.003	678198783H	10.1	5.85	
						RPD = 1.69	
17 Dieldrin							
1	4.147	4.155	-0.008	1616145593H	10.0	9.22	
2	4.717	4.720	-0.003	1002258802H	10.0	8.88	
						RPD = 3.74	
18 2,4'-DDD							
1	4.230	4.222	0.008	5734749H		0.0648	
2	4.670	4.692	-0.022	629275H		0.009284	
						RPD = 149.87	
19 Endrin							
1	4.397	4.405	-0.008	1431766677H	10.0	8.81	
2	4.890	4.893	-0.003	924224854H	10.0	8.73	
						RPD = 0.95	
20 2,4'-DDT							
1	4.463	4.453	0.010	6175823H		0.0677	
2	4.923	4.923	0.000	42677245H		-0.0298	
						RPD = 515.20	
21 Kepone							
1		4.487				ND	
2		5.115					
22 4,4'-DDD							
1	4.510	4.518	-0.008	1317052795H	10.1	9.63	
2	5.002	5.005	-0.003	847567220H	10.1	9.04	
						RPD = 6.38	
27 Toxaphene							U
1		4.530				ND	
1		4.633					
1		4.848					
1		5.135					
1		5.228					
2		4.845					
2		5.135					
2		5.315					
2		5.603					
2		5.690					
23 Endosulfan II							
1	4.610	4.617	-0.007	1421595821H	10.1	8.96	
2	5.088	5.090	-0.002	857241387H	10.1	8.74	
						RPD = 2.40	
24 4,4'-DDT							
1	4.720	4.728	-0.008	1164698173H	10.1	8.87	
2	5.225	5.228	-0.003	766602014H	10.1	8.82	
						RPD = 0.59	
25 Endrin aldehyde							
1	4.783	4.792	-0.009	1207671921H	10.1	8.88	
2	5.168	5.170	-0.002	707335112H	10.1	8.44	
						RPD = 5.05	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 Endosulfan sulfate							
1	4.935	4.943	-0.008	1425656991H	10.1	8.90	
2	5.373	5.377	-0.004	851401961H	10.1	8.61	
						RPD = 3.33	
28 Methoxychlor							
1	5.227	5.235	-0.008	3315416443H	50.4	49.7	
2	5.537	5.542	-0.005	2188814790H	50.4	47.8	
						RPD = 3.86	
29 Endrin ketone							
1	5.367	5.375	-0.008	1673709168H	10.0	10.0	
2	5.668	5.672	-0.004	983826666H	10.0	9.38	
						RPD = 6.71	
30 Mirex							
1	5.458	5.460	-0.002	398233H		0.003188	
2	6.018	6.025	-0.007	720903H		0.008859	
						RPD = 94.15	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.128	6.137	-0.009	2428021170H	15.0	14.0	
2	6.640	6.645	-0.005	1221330731H	15.0	14.1	
						RPD = 0.66	
S 32 Total DDTs							
1						8.79	
2						8.94	
						RPD = 1.68	
S 33 Endosulfan, Total							
1						12.9	
2						13.1	
						RPD = 2.00	
34 Hexachlorocyclopentadiene							
1		0.000				ND	
2		0.000					
35 trans-Nonachlor							
1		0.000				ND	
2		0.000					
36 Captan							
1		0.000				ND	
37 Captafol							
1		0.000				ND	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 22-Jun-2021 15:51:36 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9191\20210622-32505.b\10PEST21141035.018.D

Injection Date: 22-Jun-2021 09:35:00 Instrument ID: 9191

Lims ID: 410-43723-A-2-B MSD

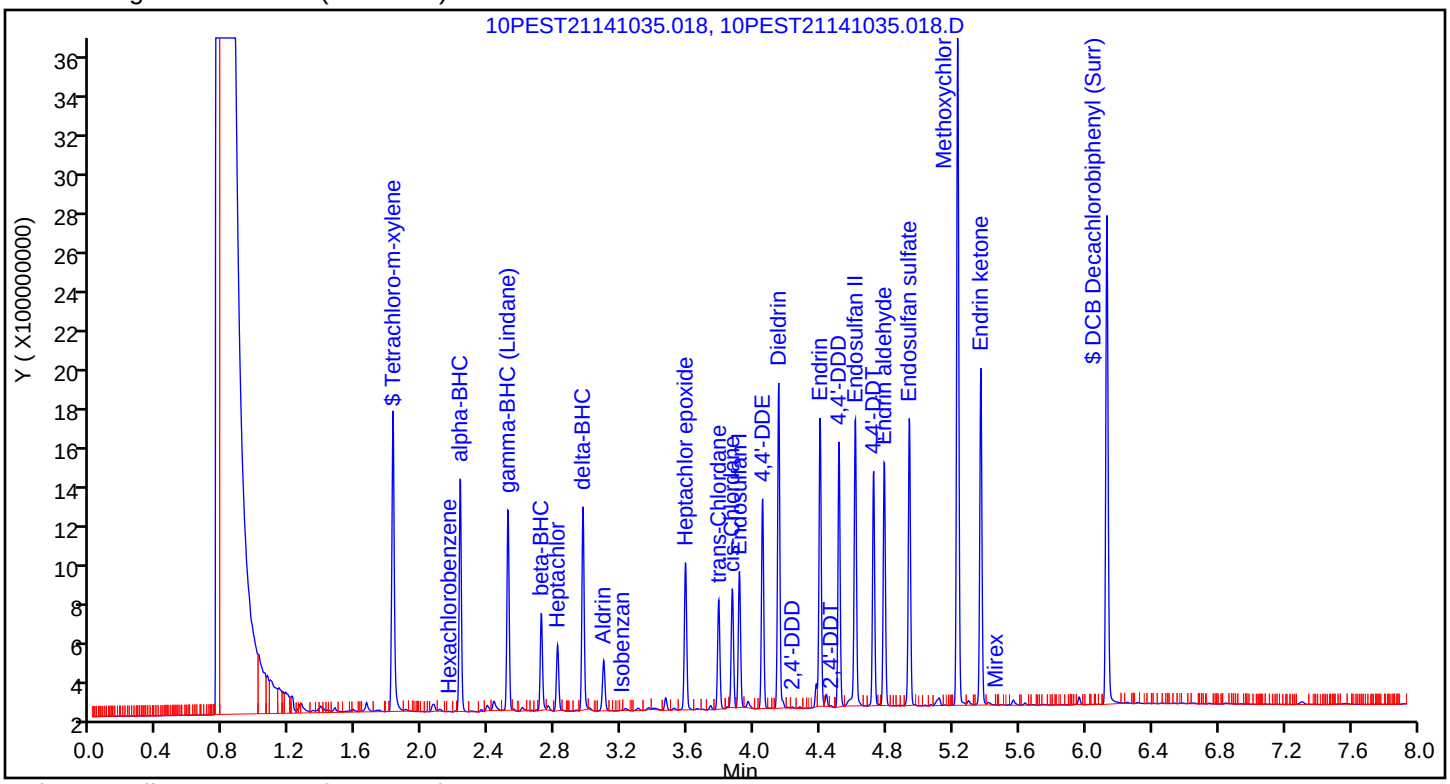
Client ID: MW-3-F-20210614

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 18

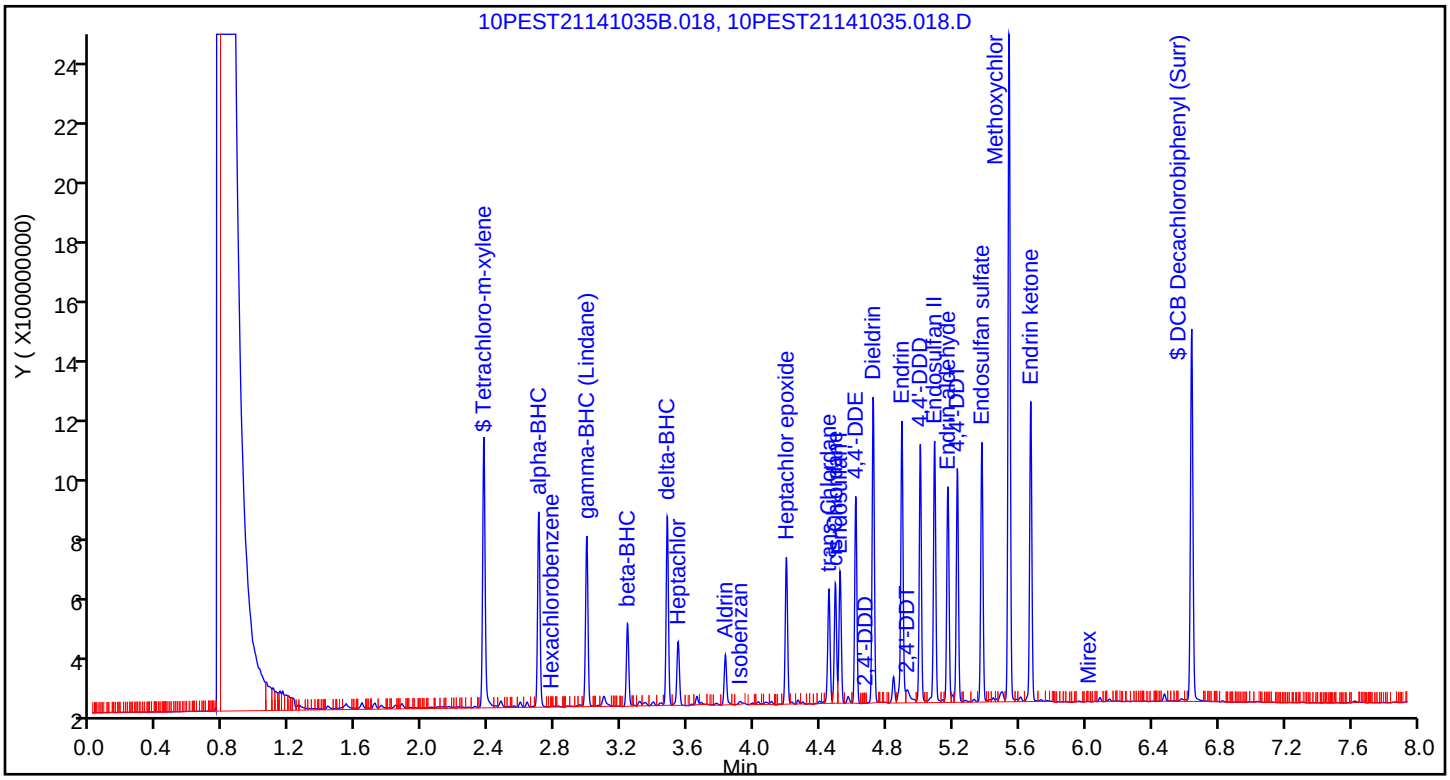
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9191 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Instrument ID: 9191 Start Date: 06/21/2021 09:17

Analysis Batch Number: 140054 End Date: 06/21/2021 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 410-140054/2		06/21/2021 09:17	1		DB CLP1 0.32(mm)
PEM 410-140054/2		06/21/2021 09:17	1		DB CLP2 0.32(mm)
PIBLK 410-140054/3		06/21/2021 09:30	1		DB CLP1 0.32(mm)
PIBLK 410-140054/3		06/21/2021 09:30	1		DB CLP2 0.32(mm)
IC 410-140054/4		06/21/2021 09:42	1	10PEST21141034.004.D	DB CLP1 0.32(mm)
IC 410-140054/4		06/21/2021 09:42	1	10PEST21141034.004.D	DB CLP2 0.32(mm)
IC 410-140054/5		06/21/2021 09:55	1	10PEST21141034.005.D	DB CLP1 0.32(mm)
IC 410-140054/5		06/21/2021 09:55	1	10PEST21141034.005.D	DB CLP2 0.32(mm)
IC 410-140054/6		06/21/2021 10:07	1	10PEST21141034.006.D	DB CLP1 0.32(mm)
IC 410-140054/6		06/21/2021 10:07	1	10PEST21141034.006.D	DB CLP2 0.32(mm)
ICRT 410-140054/7		06/21/2021 10:19	1	10PEST21141034.007.D	DB CLP1 0.32(mm)
ICRT 410-140054/7		06/21/2021 10:19	1	10PEST21141034.007.D	DB CLP2 0.32(mm)
IC 410-140054/8		06/21/2021 10:32	1	10PEST21141034.008.D	DB CLP1 0.32(mm)
IC 410-140054/8		06/21/2021 10:32	1	10PEST21141034.008.D	DB CLP2 0.32(mm)
IC 410-140054/9		06/21/2021 10:44	1	10PEST21141034.009.D	DB CLP1 0.32(mm)
IC 410-140054/9		06/21/2021 10:44	1	10PEST21141034.009.D	DB CLP2 0.32(mm)
ICV 410-140054/10		06/21/2021 10:56	1	10PEST21141034.010.D	DB CLP1 0.32(mm)
ICV 410-140054/10		06/21/2021 10:56	1	10PEST21141034.010.D	DB CLP2 0.32(mm)
ICVL 410-140054/11		06/21/2021 11:09	1		DB CLP1 0.32(mm)
ICVL 410-140054/11		06/21/2021 11:09	1		DB CLP2 0.32(mm)
CCV 410-140054/12		06/21/2021 11:21	1		DB CLP1 0.32(mm)
CCV 410-140054/12		06/21/2021 11:21	1		DB CLP2 0.32(mm)
CCV 410-140054/13		06/21/2021 11:34	1		DB CLP1 0.32(mm)
CCV 410-140054/13		06/21/2021 11:34	1		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 11:46	1		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 11:46	1		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 12:00	1		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 12:00	1		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 12:14	1		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 12:14	1		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 12:52	1		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 12:52	1		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 13:06	1		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 13:06	1		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 13:19	1		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 13:19	1		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 13:32	1		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 13:32	1		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 13:45	1		DB CLP1 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Instrument ID: 9191 Start Date: 06/21/2021 09:17

Analysis Batch Number: 140054 End Date: 06/21/2021 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		06/21/2021 13:45	1		DB CLP2 0.32(mm)
PIBLK 410-140054/24		06/21/2021 13:59	1		DB CLP1 0.32(mm)
PIBLK 410-140054/24		06/21/2021 13:59	1		DB CLP2 0.32(mm)
CCV 410-140054/25		06/21/2021 14:13	1		DB CLP1 0.32(mm)
CCV 410-140054/25		06/21/2021 14:13	1		DB CLP2 0.32(mm)
CCV 410-140054/26		06/21/2021 14:27	1		DB CLP1 0.32(mm)
CCV 410-140054/26		06/21/2021 14:27	1		DB CLP2 0.32(mm)
CCV 410-140054/27		06/21/2021 14:40	1		DB CLP1 0.32(mm)
CCV 410-140054/27		06/21/2021 14:40	1		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 14:54	5		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 14:54	5		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 15:08	5		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 15:08	5		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 15:22	5		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 15:22	5		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 15:36	5		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 15:36	5		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 15:49	5		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 15:49	5		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 16:03	1		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 16:03	1		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 16:16	5		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 16:16	5		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 16:29	1		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 16:29	1		DB CLP2 0.32(mm)
ZZZZZ		06/21/2021 16:41	5		DB CLP1 0.32(mm)
ZZZZZ		06/21/2021 16:41	5		DB CLP2 0.32(mm)
PIBLK 410-140054/47		06/21/2021 18:56	1		DB CLP1 0.32(mm)
PIBLK 410-140054/47		06/21/2021 18:56	1		DB CLP2 0.32(mm)
CCV 410-140054/48		06/21/2021 19:08	1		DB CLP1 0.32(mm)
CCV 410-140054/48		06/21/2021 19:08	1		DB CLP2 0.32(mm)
CCV 410-140054/49		06/21/2021 19:20	1		DB CLP1 0.32(mm)
CCV 410-140054/49		06/21/2021 19:20	1		DB CLP2 0.32(mm)
CCV 410-140054/50		06/21/2021 19:33	1		DB CLP1 0.32(mm)
CCV 410-140054/50		06/21/2021 19:33	1		DB CLP2 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Instrument ID: 9191 Start Date: 06/22/2021 05:54

Analysis Batch Number: 140420 End Date: 06/22/2021 13:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 410-140420/2		06/22/2021 05:54	1	10PEST21141035.002.D	DB CLP1 0.32(mm)
PIBLK 410-140420/2		06/22/2021 05:54	1	10PEST21141035.002.D	DB CLP2 0.32(mm)
CCVRT 410-140420/3		06/22/2021 06:07	1	10PEST21141035.003.D	DB CLP1 0.32(mm)
CCVRT 410-140420/3		06/22/2021 06:07	1	10PEST21141035.003.D	DB CLP2 0.32(mm)
CCV 410-140420/5		06/22/2021 06:31	1		DB CLP1 0.32(mm)
CCV 410-140420/5		06/22/2021 06:31	1		DB CLP2 0.32(mm)
PEM 410-140420/6		06/22/2021 06:43	1	10PEST21141035.006.D	DB CLP1 0.32(mm)
PEM 410-140420/6		06/22/2021 06:43	1	10PEST21141035.006.D	DB CLP2 0.32(mm)
IC 410-140420/7		06/22/2021 07:20	1	10PEST21141035.007.D	DB CLP1 0.32(mm)
IC 410-140420/7		06/22/2021 07:20	1	10PEST21141035.007.D	DB CLP2 0.32(mm)
IC 410-140420/8		06/22/2021 07:33	1	10PEST21141035.008.D	DB CLP1 0.32(mm)
IC 410-140420/8		06/22/2021 07:33	1	10PEST21141035.008.D	DB CLP2 0.32(mm)
IC 410-140420/9		06/22/2021 07:45	1	10PEST21141035.009.D	DB CLP1 0.32(mm)
IC 410-140420/9		06/22/2021 07:45	1	10PEST21141035.009.D	DB CLP2 0.32(mm)
ICRT 410-140420/10		06/22/2021 07:57	1	10PEST21141035.010.D	DB CLP1 0.32(mm)
ICRT 410-140420/10		06/22/2021 07:57	1	10PEST21141035.010.D	DB CLP2 0.32(mm)
IC 410-140420/11		06/22/2021 08:09	1	10PEST21141035.011.D	DB CLP1 0.32(mm)
IC 410-140420/11		06/22/2021 08:09	1	10PEST21141035.011.D	DB CLP2 0.32(mm)
IC 410-140420/12		06/22/2021 08:22	1	10PEST21141035.012.D	DB CLP1 0.32(mm)
IC 410-140420/12		06/22/2021 08:22	1	10PEST21141035.012.D	DB CLP2 0.32(mm)
ICV 410-140420/13		06/22/2021 08:34	1	10PEST21141035.013.D	DB CLP1 0.32(mm)
ICV 410-140420/13		06/22/2021 08:34	1	10PEST21141035.013.D	DB CLP2 0.32(mm)
ICVL 410-140420/14		06/22/2021 08:46	1		DB CLP1 0.32(mm)
ICVL 410-140420/14		06/22/2021 08:46	1		DB CLP2 0.32(mm)
MB 410-140255/1-A		06/22/2021 08:58	1	10PEST21141035.015.D	DB CLP1 0.32(mm)
MB 410-140255/1-A		06/22/2021 08:58	1	10PEST21141035.015.D	DB CLP2 0.32(mm)
LCS 410-140255/2-A		06/22/2021 09:11	1	10PEST21141035.016.D	DB CLP1 0.32(mm)
LCS 410-140255/2-A		06/22/2021 09:11	1	10PEST21141035.016.D	DB CLP2 0.32(mm)
410-43723-2 MS	MW-3-F-20210614 MS	06/22/2021 09:23	1	10PEST21141035.017.D	DB CLP1 0.32(mm)
410-43723-2 MS	MW-3-F-20210614 MS	06/22/2021 09:23	1	10PEST21141035.017.D	DB CLP2 0.32(mm)
410-43723-2 MSD	MW-3-F-20210614 MSD	06/22/2021 09:35	1	10PEST21141035.018.D	DB CLP1 0.32(mm)
410-43723-2 MSD	MW-3-F-20210614 MSD	06/22/2021 09:35	1	10PEST21141035.018.D	DB CLP2 0.32(mm)
410-43723-2	MW-3-F-20210614	06/22/2021 09:47	1	10PEST21141035.019.D	DB CLP1 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Instrument ID: 9191 Start Date: 06/22/2021 05:54

Analysis Batch Number: 140420 End Date: 06/22/2021 13:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
410-43723-2	MW-3-F-20210614	06/22/2021 09:47	1	10PEST21141035.019.D	DB CLP2 0.32(mm)
410-43723-4	MW-5-F-20210614	06/22/2021 10:00	1	10PEST21141035.020.D	DB CLP1 0.32(mm)
410-43723-4	MW-5-F-20210614	06/22/2021 10:00	1	10PEST21141035.020.D	DB CLP2 0.32(mm)
410-43723-6	MW-4-F-20210614	06/22/2021 10:12	1	10PEST21141035.021.D	DB CLP1 0.32(mm)
410-43723-6	MW-4-F-20210614	06/22/2021 10:12	1	10PEST21141035.021.D	DB CLP2 0.32(mm)
410-43723-8	MW-2D-F-20210614	06/22/2021 10:24	1	10PEST21141035.022.D	DB CLP1 0.32(mm)
410-43723-8	MW-2D-F-20210614	06/22/2021 10:24	1	10PEST21141035.022.D	DB CLP2 0.32(mm)
410-43723-10	FB-F-20210614	06/22/2021 10:36	1	10PEST21141035.023.D	DB CLP1 0.32(mm)
410-43723-10	FB-F-20210614	06/22/2021 10:36	1	10PEST21141035.023.D	DB CLP2 0.32(mm)
410-43723-12	DUP-F-20210614	06/22/2021 10:48	1	10PEST21141035.024.D	DB CLP1 0.32(mm)
410-43723-12	DUP-F-20210614	06/22/2021 10:48	1	10PEST21141035.024.D	DB CLP2 0.32(mm)
MB 410-140248/1-A		06/22/2021 11:01	1	10PEST21141035.025.D	DB CLP1 0.32(mm)
MB 410-140248/1-A		06/22/2021 11:01	1	10PEST21141035.025.D	DB CLP2 0.32(mm)
LCS 410-140248/2-A		06/22/2021 11:13	1	10PEST21141035.026.D	DB CLP1 0.32(mm)
LCS 410-140248/2-A		06/22/2021 11:13	1	10PEST21141035.026.D	DB CLP2 0.32(mm)
410-43723-1 MS	MW-3-UF-20210614 MS	06/22/2021 11:25	1	10PEST21141035.027.D	DB CLP1 0.32(mm)
410-43723-1 MS	MW-3-UF-20210614 MS	06/22/2021 11:25	1	10PEST21141035.027.D	DB CLP2 0.32(mm)
410-43723-1 MSD	MW-3-UF-20210614 MSD	06/22/2021 11:37	1	10PEST21141035.028.D	DB CLP1 0.32(mm)
410-43723-1 MSD	MW-3-UF-20210614 MSD	06/22/2021 11:37	1	10PEST21141035.028.D	DB CLP2 0.32(mm)
410-43723-1	MW-3-UF-20210614	06/22/2021 11:49	1	10PEST21141035.029.D	DB CLP1 0.32(mm)
410-43723-1	MW-3-UF-20210614	06/22/2021 11:49	1	10PEST21141035.029.D	DB CLP2 0.32(mm)
410-43723-3	MW-5-UF-20210614	06/22/2021 12:02	1	10PEST21141035.030.D	DB CLP1 0.32(mm)
410-43723-3	MW-5-UF-20210614	06/22/2021 12:02	1	10PEST21141035.030.D	DB CLP2 0.32(mm)
410-43723-5	MW-4-UF-20210614	06/22/2021 12:14	1	10PEST21141035.031.D	DB CLP1 0.32(mm)
410-43723-5	MW-4-UF-20210614	06/22/2021 12:14	1	10PEST21141035.031.D	DB CLP2 0.32(mm)
410-43723-7	MW-2D-UF-20210614	06/22/2021 12:26	5	10PEST21141035.032.D	DB CLP1 0.32(mm)
410-43723-7	MW-2D-UF-20210614	06/22/2021 12:26	5	10PEST21141035.032.D	DB CLP2 0.32(mm)
410-43723-9	FB-UF-20210614	06/22/2021 12:38	1	10PEST21141035.033.D	DB CLP1 0.32(mm)
410-43723-9	FB-UF-20210614	06/22/2021 12:38	1	10PEST21141035.033.D	DB CLP2 0.32(mm)
410-43723-11	DUP-UF-20210614	06/22/2021 12:50	5	10PEST21141035.034.D	DB CLP1 0.32(mm)
410-43723-11	DUP-UF-20210614	06/22/2021 12:50	5	10PEST21141035.034.D	DB CLP2 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-43723-1

SDG No.:

Instrument ID: 9191 Start Date: 06/22/2021 05:54

Analysis Batch Number: 140420 End Date: 06/22/2021 13:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 410-140420/36		06/22/2021 13:15	1	10PEST21141035.036.D	DB CLP1 0.32(mm)
CCV 410-140420/36		06/22/2021 13:15	1	10PEST21141035.036.D	DB CLP2 0.32(mm)
CCV 410-140420/37		06/22/2021 13:27	1	10PEST21141035.037.D	DB CLP1 0.32(mm)
CCV 410-140420/37		06/22/2021 13:27	1	10PEST21141035.037.D	DB CLP2 0.32(mm)
CCV 410-140420/38		06/22/2021 13:39	1		DB CLP1 0.32(mm)
CCV 410-140420/38		06/22/2021 13:39	1		DB CLP2 0.32(mm)

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-43723-1

SDG No.:

Batch Number: 140248 Batch Start Date: 06/21/21 16:30 Batch Analyst: Thimes, Patrick

Batch Method: 3510C Batch End Date: 06/21/21 20:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	OP_SW_SS 00014
MB 410-140248/1		3510C, 8081B				250 mL	5 mL	6 SU	0.25 mL
LCS 410-140248/2		3510C, 8081B				250 mL	5 mL	6 SU	0.25 mL
410-43723-A-1 MS	MW-3-UF-20210614	3510C, 8081B	T	398.27 g	164.99 g	233.3 mL	5 mL	8 SU	0.25 mL
410-43723-A-1 MSD	MW-3-UF-20210614	3510C, 8081B	T	403.67 g	164.37 g	239.3 mL	5 mL	6 SU	0.25 mL
410-43723-A-1	MW-3-UF-20210614	3510C, 8081B	T	410.11 g	164.48 g	245.6 mL	5 mL	8 SU	0.25 mL
410-43723-A-3	MW-5-UF-20210614	3510C, 8081B	T	415.46 g	165.82 g	249.6 mL	5 mL	6 SU	0.25 mL
410-43723-A-5	MW-4-UF-20210614	3510C, 8081B	T	413.34 g	165.48 g	247.9 mL	5 mL	7 SU	0.25 mL
410-43723-A-7	MW-2D-UF-20210614	3510C, 8081B	T	402.67 g	166.16 g	236.5 mL	5 mL	7 SU	0.25 mL
410-43723-A-9	FB-UF-20210614	3510C, 8081B	T	403.08 g	164.56 g	238.5 mL	5 mL	6 SU	0.25 mL
410-43723-A-11	DUP-UF-20210614	3510C, 8081B	T	415.88 g	165.77 g	250.1 mL	5 mL	7 SU	0.25 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_SW846_MS 00020	AnalysisComment				
MB 410-140248/1		3510C, 8081B			DI H2O				
LCS 410-140248/2		3510C, 8081B		0.25 mL	DI H2O				
410-43723-A-1 MS	MW-3-UF-20210614	3510C, 8081B	T	0.25 mL	clear				
410-43723-A-1 MSD	MW-3-UF-20210614	3510C, 8081B	T	0.25 mL	clear				
410-43723-A-1	MW-3-UF-20210614	3510C, 8081B	T		clear				
410-43723-A-3	MW-5-UF-20210614	3510C, 8081B	T		clear				
410-43723-A-5	MW-4-UF-20210614	3510C, 8081B	T		clear				
410-43723-A-7	MW-2D-UF-20210614	3510C, 8081B	T		clear				
410-43723-A-9	FB-UF-20210614	3510C, 8081B	T		clear				
410-43723-A-11	DUP-UF-20210614	3510C, 8081B	T		clear				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-43723-1

SDG No.:

Batch Number: 140248 Batch Start Date: 06/21/21 16:30 Batch Analyst: Thimes, Patrick

Batch Method: 3510C Batch End Date: 06/21/21 20:50

Batch Notes	
Balance ID	25996
Analyst ID - Concentration	32227
Concentration 1 Corrected Temperature	80 Degrees C
Equipment ID - Concentration 1	3,4
Exchange Solvent ID	hexane 211618
Analyst ID - Extraction	32227
Na2SO4 ID	21168C
Pipette/Syringe/Dispenser ID	4
Prep Solvent ID	mecl2 212643
Prep Solvent Volume Used	45 mL
Analyst ID - Spike Analyst	32227

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-43723-1

SDG No.:

Batch Number: 140255 Batch Start Date: 06/21/21 16:30 Batch Analyst: Thimes, Patrick

Batch Method: 3510C Batch End Date: 06/21/21 20:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	OP_SW_SS 00014
MB 410-140255/1		3510C, 8081B				250 mL	5 mL	6 SU	0.25 mL
LCS 410-140255/2		3510C, 8081B				250 mL	5 mL	6 SU	0.25 mL
410-43723-A-2 MS	MW-3-F-20210614	3510C, 8081B	D	415.07 g	166.24 g	248.8 mL	5 mL	6 SU	0.25 mL
410-43723-A-2 MSD	MW-3-F-20210614	3510C, 8081B	D	411.04 g	166.45 g	244.6 mL	5 mL	6 SU	0.25 mL
410-43723-A-2	MW-3-F-20210614	3510C, 8081B	D	414.64 g	165.15 g	249.5 mL	5 mL	6 SU	0.25 mL
410-43723-A-4	MW-5-F-20210614	3510C, 8081B	D	414.86 g	165.62 g	249.2 mL	5 mL	6 SU	0.25 mL
410-43723-A-6	MW-4-F-20210614	3510C, 8081B	D	414.40 g	164.97 g	249.4 mL	5 mL	6 SU	0.25 mL
410-43723-A-8	MW-2D-F-20210614	3510C, 8081B	D	411.87 g	165.77 g	246.1 mL	5 mL	7 SU	0.25 mL
410-43723-A-10-A	FB-F-20210614	3510C, 8081B	D	395.72 g	165.99 g	229.7 mL	5 mL	6 SU	0.25 mL
410-43723-A-12	DUP-F-20210614	3510C, 8081B	D	415.83 g	165.88 g	250 mL	5 mL	5 SU	0.25 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_SW846_MS 00020	AnalysisComment				
MB 410-140255/1		3510C, 8081B			DI H2O				
LCS 410-140255/2		3510C, 8081B		0.25 mL	DI H2O				
410-43723-A-2 MS	MW-3-F-20210614	3510C, 8081B	D	0.25 mL	clear				
410-43723-A-2 MSD	MW-3-F-20210614	3510C, 8081B	D	0.25 mL	clear				
410-43723-A-2	MW-3-F-20210614	3510C, 8081B	D		clear				
410-43723-A-4	MW-5-F-20210614	3510C, 8081B	D		clear				
410-43723-A-6	MW-4-F-20210614	3510C, 8081B	D		clear				
410-43723-A-8	MW-2D-F-20210614	3510C, 8081B	D		clear				
410-43723-A-10-A	FB-F-20210614	3510C, 8081B	D		clear				
410-43723-A-12	DUP-F-20210614	3510C, 8081B	D		clear				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-43723-1

SDG No.:

Batch Number: 140255 Batch Start Date: 06/21/21 16:30 Batch Analyst: Thimes, Patrick

Batch Method: 3510C Batch End Date: 06/21/21 20:50

Batch Notes	
Balance ID	25996
Analyst ID - Concentration	32227
Concentration 1 Corrected Temperature	80 Degrees C
Equipment ID - Concentration 1	3,4
Exchange Solvent ID	hexane 211618
Analyst ID - Extraction	32227
Na2SO4 ID	21168C
Pipette/Syringe/Dispenser ID	4
Prep Solvent ID	mecl2 212643
Prep Solvent Volume Used	45 mL
Analyst ID - Spike Analyst	32227

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Phone (717) 656-2300

Chain of Custody Record

410-43723 Chain of Custody

urofins Environment Testing America

Client Information	Sampler: MHM / AFV	Lab PM: Weyandt, Barbara A	No: -26531-8178.1
Client Contact: Mr. Brian Taylor	Phone: 908-763-1531	E-Mail: Barbara.Weyandt@eurofinset.com	State of Origin: NY	Page: Page 1 of 2
Company: Brown and Caldwell	PWSID:	Analysis Requested	Job #:
Address: 3 Marcus Blvd Suite 106	Due Date Requested:		Preservation Codes:
City: Albany	TAT Requested (days): STAndard		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 12205	Compliance Project: Δ Yes Δ No		
Phone: 845-901-4229(Tel)	PO #: 139990		
Email: BFTaylor@brwncald.com	WO #:		Other:
Project Name: Bartlett Tree Site, NY	Project #: 41003335		
Site: West Bury, NY	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)	Perform MS/MSD (Yes or No)	8081B - TCL OC Pesticides	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	N	X	
MW-3-UF-20210614	06/14/21	1123	G	GW		X	X	6	(MS/MSD)
MW-3-F-20210614	06/14/21	1126	G	GW	X	X	X	6	(MS/MSD)
MW-5-UF-20210614	06/14/21	1120	G	GW			X	7	
MW-5-F-20210614	06/14/21	1131	G	GW	X		X		
MW-4-UF-20210614	06/14/21	1255	G	GW			X		
MW-4-F-20210614	06/14/21	1258	G	GW	X		X	12	
MW-2D-UF-20210614	06/14/21	1256	G	GW			X	12	
MW-2D-F-20210614	06/14/21	1259	G	GW	X		X		
~~FB~~-UF-20210614	06/14/21	1325	G	DI W			X		
FB-F-20210614	06/14/21	1328	G	DI W	X		X		
~~EB-UF-20210614~~	06/14/21	1330	G	DI W			X		

MHM

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): NYS Cat B Deliverable, EDC 4 Equis file formate

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
MHM	6/15/21 1155	BC		6/15/21 1155	Eurofins
	6/15/21 1645	Eurofins			
				6-15-21 1703	ECLG

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.1 | 1.9

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Phone (717) 656-2300

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: MHMI AFV	Lab PM: Weyandt, Barbara A	Carrier Tracking No(s):	COC No: 410-26531-8178.2
Client Contact: Mr. Brian Taylor	Phone: 908-763-1531	E-Mail: Barbara.Weyandt@eurofinset.com	State of Origin:	Page: Page 2 of 2
Company: Brown and Caldwell	PWSID:			Job #:
Address: 3 Marcus Blvd Suite 106	Due Date Requested: STAnd			
City: Albany	TAT Requested (days): Standard			
State, Zip: NY, 12205	Compliance Project: Δ Yes Δ No			
Phone: 845-901-4229(Tel)	PO #: 139990			
Email: BFTaylor@brwncald.com	WO #:			
Project Name: Bartlett Tree Site, NY	Project #: 41003335			
Site: West Bury, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8081B - TCL OC Pesticides	Total Number of containers	Special Instructions/Note:
MHM								
~~F-B-F-20210614~~	06/14/21	1333	G	DI w	X	X		
Dup-BAF-20210614	06/14/21	9999	G	DI w		X	2	
Dup-F-20210614	06/14/21	9997	G	DI w	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): NYS cat B Deliverable, BC 4 Equis file formula

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Max Manager	06/15/21 1155	BC		6/15/21 1155	Eurofins
Relinquished by	Date/Time: 6/15/21 1645	Company: Eurofins	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time 6/15/21 1703	Company ECLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.1 | 1.9

Ver: 01/16/2019

06/23/2021

Login Sample Receipt Checklist

Client: Brown and Caldwell

Job Number: 410-43723-1

Login Number: 43723
List Number: 1
Creator: Reiff, Nicole L

List Source: Eurofins Lancaster Laboratories Env, LLC

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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 is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=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.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

ANALYTICAL REPORT

Job Number: 410-66301-1

Job Description: Bartlett Tree VI

For:
Brown and Caldwell
3 Marcus Blvd
Suite 106
Albany, NY 12205

Attention: Mr. Brian F Taylor

Barb Weyandt

Approved for release.
Barbara A Weyandt
Project Manager
12/20/2021 9:08 AM

Barbara A Weyandt, Project Manager
2425 New Holland Pike, Lancaster, PA, 17601
(717)556-7264
Barbara.Weyandt@eurofinset.com
12/20/2021

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.

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

Job Number: 410-66301-1

Job Description: Bartlett Tree VI

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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Job Narrative
410-66301-1

Receipt
The samples were received on 12/9/2021 6:29 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

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

Sample Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree VI

Job ID: 410-66301-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-66301-1	SV-1-20211208	Air	12/08/21 15:03	12/09/21 18:29	Air Canister (6-Liter) #1200
410-66301-2	IA-1-20211208	Air	12/08/21 12:03	12/09/21 18:29	Air Canister (6-Liter) #1337
410-66301-3	AA-1-20211208	Air	12/08/21 15:10	12/09/21 18:29	Air Canister (6-Liter) #1371

Detection Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree VI

Job ID: 410-66301-1

Client Sample ID: SV-1-20211208 — Lab Sample ID: 410-66301-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	7.7		5.5	0.65	ug/m3	1		TO-15	Total/NA
2-Butanone	1.8	J	2.9	0.62	ug/m3	1		TO-15	Total/NA
Acetone	11	J	12	1.3	ug/m3	1		TO-15	Total/NA
Benzene	1.6	J	3.2	0.35	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	1.2	J	6.3	0.88	ug/m3	1		TO-15	Total/NA
Chloroform	2.9	J	4.9	0.45	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	7.7		4.9	0.64	ug/m3	1		TO-15	Total/NA
Hexane	3.1	J	3.5	1.1	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.95	J	6.9	0.87	ug/m3	1		TO-15	Total/NA
Pentane	12		3.0	0.59	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	27		14	1.7	ug/m3	1		TO-15	Total/NA
Toluene	0.94	J	3.8	0.45	ug/m3	1		TO-15	Total/NA
Trichloroethene	1.9	J	5.4	0.97	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.8	J	5.6	0.84	ug/m3	1		TO-15	Total/NA

Client Sample ID: IA-1-20211208 — Lab Sample ID: 410-66301-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2.5	J	9.8	1.4	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethane	0.53	J	4.0	0.32	ug/m3	1		TO-15	Total/NA
2-Butanone	2.6	J	2.9	0.62	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	1.6	J	4.9	0.88	ug/m3	1		TO-15	Total/NA
Acetone	16		12	1.3	ug/m3	1		TO-15	Total/NA
Benzene	8.6		3.2	0.35	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.6	J	3.5	0.53	ug/m3	1		TO-15	Total/NA
Chloromethane	0.62	J	2.1	0.50	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.6	J	4.9	0.64	ug/m3	1		TO-15	Total/NA
Ethylbenzene	9.1		4.3	0.83	ug/m3	1		TO-15	Total/NA
Heptane	13		4.1	0.94	ug/m3	1		TO-15	Total/NA
Hexane	25		3.5	1.1	ug/m3	1		TO-15	Total/NA
Isooctane	56		4.7	0.93	ug/m3	1		TO-15	Total/NA
m&p-Xylene	33		4.3	1.1	ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.9	J	6.9	0.87	ug/m3	1		TO-15	Total/NA
o-Xylene	9.3		4.3	0.83	ug/m3	1		TO-15	Total/NA
Octane	5.9	J	9.3	1.9	ug/m3	1		TO-15	Total/NA
Pentane	39		3.0	0.59	ug/m3	1		TO-15	Total/NA
Toluene	51		3.8	0.45	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.4	J	5.6	0.84	ug/m3	1		TO-15	Total/NA

Client Sample ID: AA-1-20211208 — Lab Sample ID: 410-66301-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	1.3	J	2.9	0.62	ug/m3	1		TO-15	Total/NA
Acetone	12		12	1.3	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.4	J	3.5	0.53	ug/m3	1		TO-15	Total/NA
Chloromethane	0.85	J	2.1	0.50	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.8	J	4.9	0.64	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.97	J	6.9	0.87	ug/m3	1		TO-15	Total/NA
Pentane	1.5	J	3.0	0.59	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.4	J	5.6	0.84	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree VI

Job ID: 410-66301-1

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 Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client Sample ID: SV-1-20211208

Date Collected: 12/08/21 15:03
Date Received: 12/09/21 18:29
Sample Container: Summa Canister 6L

Lab Sample ID: 410-66301-1

Matrix: Air

Method: 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			12/17/21 05:04	1
1,1,1-Trichloroethane	**7.7**		5.5	0.65	ug/m3			12/17/21 05:04	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/17/21 05:04	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/17/21 05:04	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/17/21 05:04	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/17/21 05:04	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/17/21 05:04	1
1,2,4-Trimethylbenzene	ND		9.8	1.4	ug/m3			12/17/21 05:04	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/17/21 05:04	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/17/21 05:04	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/17/21 05:04	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/17/21 05:04	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/17/21 05:04	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/17/21 05:04	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/17/21 05:04	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/17/21 05:04	1
2-Butanone	**1.8**	**J**	2.9	0.62	ug/m3			12/17/21 05:04	1
2-Hexanone	ND		4.1	0.74	ug/m3			12/17/21 05:04	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/17/21 05:04	1
4-Ethyltoluene	ND		4.9	0.88	ug/m3			12/17/21 05:04	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/17/21 05:04	1
Acetone	**11**	**J**	12	1.3	ug/m3			12/17/21 05:04	1
Benzene	**1.6**	**J**	3.2	0.35	ug/m3			12/17/21 05:04	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/17/21 05:04	1
Bromodichloromethane	ND		6.7	0.80	ug/m3			12/17/21 05:04	1
Bromoform	ND		10	1.8	ug/m3			12/17/21 05:04	1
Bromomethane	ND		3.9	0.78	ug/m3			12/17/21 05:04	1
Carbon disulfide	ND		3.1	0.40	ug/m3			12/17/21 05:04	1
Carbon tetrachloride	**1.2**	**J**	6.3	0.88	ug/m3			12/17/21 05:04	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/17/21 05:04	1
Chlorodifluoromethane	ND		3.5	0.53	ug/m3			12/17/21 05:04	1
Chloroethane	ND		2.6	0.79	ug/m3			12/17/21 05:04	1
Chloroform	**2.9**	**J**	4.9	0.45	ug/m3			12/17/21 05:04	1
Chloromethane	ND		2.1	0.50	ug/m3			12/17/21 05:04	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/17/21 05:04	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/17/21 05:04	1
Cumene	ND		4.9	1.2	ug/m3			12/17/21 05:04	1
Dibromochloromethane	ND		8.5	1.1	ug/m3			12/17/21 05:04	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/17/21 05:04	1
Dichlorodifluoromethane	**7.7**		4.9	0.64	ug/m3			12/17/21 05:04	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/17/21 05:04	1
Ethylbenzene	ND		4.3	0.83	ug/m3			12/17/21 05:04	1
Freon 113	ND		7.7	1.5	ug/m3			12/17/21 05:04	1
Freon-114	ND		7.0	0.84	ug/m3			12/17/21 05:04	1
Heptane	ND		4.1	0.94	ug/m3			12/17/21 05:04	1
Hexachloroethane	ND		19	2.6	ug/m3			12/17/21 05:04	1
Hexane	**3.1**	**J**	3.5	1.1	ug/m3			12/17/21 05:04	1
Isooctane	ND		4.7	0.93	ug/m3			12/17/21 05:04	1

Client Sample ID: SV-1-20211208

Lab Sample ID: 410-66301-1

Date Collected: 12/08/21 15:03
Matrix: Air
Date Received: 12/09/21 18:29
Sample Container: Summa Canister 6L

Method: 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			12/17/21 05:04	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/17/21 05:04	1
Methylene Chloride	**0.95**	**J**	6.9	0.87	ug/m3			12/17/21 05:04	1
o-Xylene	ND		4.3	0.83	ug/m3			12/17/21 05:04	1
Octane	ND		9.3	1.9	ug/m3			12/17/21 05:04	1
Pentane	**12**		3.0	0.59	ug/m3			12/17/21 05:04	1
Styrene	ND		4.3	0.85	ug/m3			12/17/21 05:04	1
Tetrachloroethene	**27**		14	1.7	ug/m3			12/17/21 05:04	1
Toluene	**0.94**	**J**	3.8	0.45	ug/m3			12/17/21 05:04	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/17/21 05:04	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/17/21 05:04	1
Trichloroethene	**1.9**	**J**	5.4	0.97	ug/m3			12/17/21 05:04	1
Trichlorofluoromethane	**2.8**	**J**	5.6	0.84	ug/m3			12/17/21 05:04	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/17/21 05:04	1

Client Sample ID: IA-1-20211208

Lab Sample ID: 410-66301-2

Date Collected: 12/08/21 12:03
Matrix: Air
Date Received: 12/09/21 18:29
Sample Container: Summa Canister 6L

Method: 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			12/17/21 05:54	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/17/21 05:54	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/17/21 05:54	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/17/21 05:54	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/17/21 05:54	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/17/21 05:54	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/17/21 05:54	1
1,2,4-Trimethylbenzene	**2.5**	**J**	9.8	1.4	ug/m3			12/17/21 05:54	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/17/21 05:54	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/17/21 05:54	1
1,2-Dichloroethane	**0.53**	**J**	4.0	0.32	ug/m3			12/17/21 05:54	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/17/21 05:54	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/17/21 05:54	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/17/21 05:54	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/17/21 05:54	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/17/21 05:54	1
2-Butanone	**2.6**	**J**	2.9	0.62	ug/m3			12/17/21 05:54	1
2-Hexanone	ND		4.1	0.74	ug/m3			12/17/21 05:54	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/17/21 05:54	1
4-Ethyltoluene	**1.6**	**J**	4.9	0.88	ug/m3			12/17/21 05:54	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/17/21 05:54	1
Acetone	**16**		12	1.3	ug/m3			12/17/21 05:54	1
Benzene	**8.6**		3.2	0.35	ug/m3			12/17/21 05:54	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/17/21 05:54	1
Bromodichloromethane	ND		6.7	0.80	ug/m3			12/17/21 05:54	1
Bromoform	ND		10	1.8	ug/m3			12/17/21 05:54	1
Bromomethane	ND		3.9	0.78	ug/m3			12/17/21 05:54	1

Client Sample ID: IA-1-20211208

Lab Sample ID: 410-66301-2

Date Collected: 12/08/21 12:03
Matrix: Air
Date Received: 12/09/21 18:29
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		3.1	0.40	ug/m3			12/17/21 05:54	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/17/21 05:54	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/17/21 05:54	1
Chlorodifluoromethane	**1.6**	**J**	3.5	0.53	ug/m3			12/17/21 05:54	1
Chloroethane	ND		2.6	0.79	ug/m3			12/17/21 05:54	1
Chloroform	ND		4.9	0.45	ug/m3			12/17/21 05:54	1
Chloromethane	**0.62**	**J**	2.1	0.50	ug/m3			12/17/21 05:54	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/17/21 05:54	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/17/21 05:54	1
Cumene	ND		4.9	1.2	ug/m3			12/17/21 05:54	1
Dibromochloromethane	ND		8.5	1.1	ug/m3			12/17/21 05:54	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/17/21 05:54	1
Dichlorodifluoromethane	**2.6**	**J**	4.9	0.64	ug/m3			12/17/21 05:54	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/17/21 05:54	1
Ethylbenzene	**9.1**		4.3	0.83	ug/m3			12/17/21 05:54	1
Freon 113	ND		7.7	1.5	ug/m3			12/17/21 05:54	1
Freon-114	ND		7.0	0.84	ug/m3			12/17/21 05:54	1
Heptane	**13**		4.1	0.94	ug/m3			12/17/21 05:54	1
Hexachloroethane	ND		19	2.6	ug/m3			12/17/21 05:54	1
Hexane	**25**		3.5	1.1	ug/m3			12/17/21 05:54	1
Isooctane	**56**		4.7	0.93	ug/m3			12/17/21 05:54	1
m&p-Xylene	**33**		4.3	1.1	ug/m3			12/17/21 05:54	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/17/21 05:54	1
Methylene Chloride	**2.9**	**J**	6.9	0.87	ug/m3			12/17/21 05:54	1
o-Xylene	**9.3**		4.3	0.83	ug/m3			12/17/21 05:54	1
Octane	**5.9**	**J**	9.3	1.9	ug/m3			12/17/21 05:54	1
Pentane	**39**		3.0	0.59	ug/m3			12/17/21 05:54	1
Styrene	ND		4.3	0.85	ug/m3			12/17/21 05:54	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/17/21 05:54	1
Toluene	**51**		3.8	0.45	ug/m3			12/17/21 05:54	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/17/21 05:54	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/17/21 05:54	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/17/21 05:54	1
Trichlorofluoromethane	**1.4**	**J**	5.6	0.84	ug/m3			12/17/21 05:54	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/17/21 05:54	1

Client Sample ID: AA-1-20211208

Lab Sample ID: 410-66301-3

Date Collected: 12/08/21 15:10
Matrix: Air
Date Received: 12/09/21 18:29
Sample Container: Summa Canister 6L

Method: 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			12/17/21 06:47	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/17/21 06:47	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/17/21 06:47	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/17/21 06:47	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/17/21 06:47	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/17/21 06:47	1

Client Sample ID: AA-1-20211208

Date Collected: 12/08/21 15:10
Date Received: 12/09/21 18:29
Sample Container: Summa Canister 6L

Lab Sample ID: 410-66301-3

Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/17/21 06:47	1
1,2,4-Trimethylbenzene	ND		9.8	1.4	ug/m3			12/17/21 06:47	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/17/21 06:47	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/17/21 06:47	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/17/21 06:47	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/17/21 06:47	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/17/21 06:47	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/17/21 06:47	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/17/21 06:47	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/17/21 06:47	1
2-Butanone	**1.3**	**J**	2.9	0.62	ug/m3			12/17/21 06:47	1
2-Hexanone	ND		4.1	0.74	ug/m3			12/17/21 06:47	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/17/21 06:47	1
4-Ethyltoluene	ND		4.9	0.88	ug/m3			12/17/21 06:47	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/17/21 06:47	1
Acetone	**12**		12	1.3	ug/m3			12/17/21 06:47	1
Benzene	ND		3.2	0.35	ug/m3			12/17/21 06:47	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/17/21 06:47	1
Bromodichloromethane	ND		6.7	0.80	ug/m3			12/17/21 06:47	1
Bromoform	ND		10	1.8	ug/m3			12/17/21 06:47	1
Bromomethane	ND		3.9	0.78	ug/m3			12/17/21 06:47	1
Carbon disulfide	ND		3.1	0.40	ug/m3			12/17/21 06:47	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/17/21 06:47	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/17/21 06:47	1
Chlorodifluoromethane	**1.4**	**J**	3.5	0.53	ug/m3			12/17/21 06:47	1
Chloroethane	ND		2.6	0.79	ug/m3			12/17/21 06:47	1
Chloroform	ND		4.9	0.45	ug/m3			12/17/21 06:47	1
Chloromethane	**0.85**	**J**	2.1	0.50	ug/m3			12/17/21 06:47	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/17/21 06:47	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/17/21 06:47	1
Cumene	ND		4.9	1.2	ug/m3			12/17/21 06:47	1
Dibromochloromethane	ND		8.5	1.1	ug/m3			12/17/21 06:47	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/17/21 06:47	1
Dichlorodifluoromethane	**2.8**	**J**	4.9	0.64	ug/m3			12/17/21 06:47	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/17/21 06:47	1
Ethylbenzene	ND		4.3	0.83	ug/m3			12/17/21 06:47	1
Freon 113	ND		7.7	1.5	ug/m3			12/17/21 06:47	1
Freon-114	ND		7.0	0.84	ug/m3			12/17/21 06:47	1
Heptane	ND		4.1	0.94	ug/m3			12/17/21 06:47	1
Hexachloroethane	ND		19	2.6	ug/m3			12/17/21 06:47	1
Hexane	ND		3.5	1.1	ug/m3			12/17/21 06:47	1
Isooctane	ND		4.7	0.93	ug/m3			12/17/21 06:47	1
m&p-Xylene	ND		4.3	1.1	ug/m3			12/17/21 06:47	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/17/21 06:47	1
Methylene Chloride	**0.97**	**J**	6.9	0.87	ug/m3			12/17/21 06:47	1
o-Xylene	ND		4.3	0.83	ug/m3			12/17/21 06:47	1
Octane	ND		9.3	1.9	ug/m3			12/17/21 06:47	1
Pentane	**1.5**	**J**	3.0	0.59	ug/m3			12/17/21 06:47	1

Client: Brown and Caldwell
Project/Site: Bartlett Tree VI

Job ID: 410-66301-1

Client Sample ID: AA-1-20211208
Date Collected: 12/08/21 15:10
Date Received: 12/09/21 18:29
Sample Container: Summa Canister 6L

Lab Sample ID: 410-66301-3
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		4.3	0.85	ug/m3			12/17/21 06:47	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/17/21 06:47	1
Toluene	ND		3.8	0.45	ug/m3			12/17/21 06:47	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/17/21 06:47	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/17/21 06:47	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/17/21 06:47	1
Trichlorofluoromethane	**1.4**	**J**	5.6	0.84	ug/m3			12/17/21 06:47	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/17/21 06:47	1

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

Lab Sample ID: MB 410-206378/7
Matrix: Air
Analysis Batch: 206378

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			12/16/21 21:40	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/16/21 21:40	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/16/21 21:40	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/16/21 21:40	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/16/21 21:40	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/16/21 21:40	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/16/21 21:40	1
1,2,4-Trimethylbenzene	ND		9.8	1.4	ug/m3			12/16/21 21:40	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/16/21 21:40	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/16/21 21:40	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/16/21 21:40	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/16/21 21:40	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/16/21 21:40	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/16/21 21:40	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/16/21 21:40	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/16/21 21:40	1
2-Butanone	ND		2.9	0.62	ug/m3			12/16/21 21:40	1
2-Hexanone	ND		4.1	0.74	ug/m3			12/16/21 21:40	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/16/21 21:40	1
4-Ethyltoluene	ND		4.9	0.88	ug/m3			12/16/21 21:40	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/16/21 21:40	1
Acetone	ND		12	1.3	ug/m3			12/16/21 21:40	1
Benzene	ND		3.2	0.35	ug/m3			12/16/21 21:40	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/16/21 21:40	1
Bromodichloromethane	ND		6.7	0.80	ug/m3			12/16/21 21:40	1
Bromoform	ND		10	1.8	ug/m3			12/16/21 21:40	1
Bromomethane	ND		3.9	0.78	ug/m3			12/16/21 21:40	1
Carbon disulfide	ND		3.1	0.40	ug/m3			12/16/21 21:40	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/16/21 21:40	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/16/21 21:40	1
Chlorodifluoromethane	ND		3.5	0.53	ug/m3			12/16/21 21:40	1
Chloroethane	ND		2.6	0.79	ug/m3			12/16/21 21:40	1
Chloroform	ND		4.9	0.45	ug/m3			12/16/21 21:40	1
Chloromethane	ND		2.1	0.50	ug/m3			12/16/21 21:40	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/16/21 21:40	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/16/21 21:40	1
Cumene	ND		4.9	1.2	ug/m3			12/16/21 21:40	1
Dibromochloromethane	ND		8.5	1.1	ug/m3			12/16/21 21:40	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/16/21 21:40	1
Dichlorodifluoromethane	ND		4.9	0.64	ug/m3			12/16/21 21:40	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/16/21 21:40	1
Ethylbenzene	ND		4.3	0.83	ug/m3			12/16/21 21:40	1
Freon 113	ND		7.7	1.5	ug/m3			12/16/21 21:40	1
Freon-114	ND		7.0	0.84	ug/m3			12/16/21 21:40	1
Heptane	ND		4.1	0.94	ug/m3			12/16/21 21:40	1
Hexachloroethane	ND		19	2.6	ug/m3			12/16/21 21:40	1
Hexane	ND		3.5	1.1	ug/m3			12/16/21 21:40	1
Isooctane	ND		4.7	0.93	ug/m3			12/16/21 21:40	1

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

Lab Sample ID: MB 410-206378/7
Matrix: Air
Analysis Batch: 206378

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		4.3	1.1	ug/m3			12/16/21 21:40	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/16/21 21:40	1
Methylene Chloride	ND		6.9	0.87	ug/m3			12/16/21 21:40	1
o-Xylene	ND		4.3	0.83	ug/m3			12/16/21 21:40	1
Octane	ND		9.3	1.9	ug/m3			12/16/21 21:40	1
Pentane	ND		3.0	0.59	ug/m3			12/16/21 21:40	1
Styrene	ND		4.3	0.85	ug/m3			12/16/21 21:40	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/16/21 21:40	1
Toluene	ND		3.8	0.45	ug/m3			12/16/21 21:40	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/16/21 21:40	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/16/21 21:40	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/16/21 21:40	1
Trichlorofluoromethane	ND		5.6	0.84	ug/m3			12/16/21 21:40	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/16/21 21:40	1

Lab Sample ID: LCS 410-206378/4
Matrix: Air
Analysis Batch: 206378

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	69.8		ug/m3		102	73 - 124
1,1,1-Trichloroethane	54.6	56.0		ug/m3		103	70 - 130
1,1,2,2-Tetrachloroethane	68.7	66.2		ug/m3		96	68 - 138
1,1,2-Trichloroethane	54.6	54.5		ug/m3		100	76 - 127
1,1-Dichloroethane	40.5	40.0		ug/m3		99	70 - 130
1,1-Dichloroethene	39.6	42.1		ug/m3		106	70 - 131
1,2,3-Trichloropropane	60.3	61.1		ug/m3		101	70 - 136
1,2,4-Trimethylbenzene	49.2	61.8		ug/m3		126	65 - 146
1,2-Dibromoethane	76.8	76.9		ug/m3		100	70 - 130
1,2-Dichlorobenzene	60.1	66.0		ug/m3		110	61 - 139
1,2-Dichloroethane	40.5	39.6		ug/m3		98	70 - 142
1,2-Dichloropropane	46.2	44.7		ug/m3		97	70 - 130
1,3,5-Trimethylbenzene	49.2	60.1		ug/m3		122	69 - 141
1,3-Butadiene	22.1	22.2		ug/m3		100	70 - 131
1,3-Dichlorobenzene	60.1	66.0		ug/m3		110	64 - 140
1,4-Dichlorobenzene	60.1	65.6		ug/m3		109	64 - 137
2-Butanone	29.5	30.0		ug/m3		102	70 - 130
2-Hexanone	41.0	41.2		ug/m3		100	63 - 144
3-Chloroprene	31.3	32.4		ug/m3		103	70 - 156
4-Ethyltoluene	49.2	62.6		ug/m3		127	69 - 139
4-Methyl-2-pentanone	41.0	43.2		ug/m3		105	68 - 133
Acetone	23.8	22.8		ug/m3		96	70 - 137
Benzene	31.9	30.1		ug/m3		94	70 - 130
Bromobenzene	64.2	64.9		ug/m3		101	70 - 130
Bromodichloromethane	67.0	66.2		ug/m3		99	75 - 134
Bromoform	103	99.8		ug/m3		97	60 - 139
Bromomethane	38.8	37.9		ug/m3		98	70 - 134
Carbon disulfide	31.1	30.7		ug/m3		99	70 - 130
Carbon tetrachloride	62.9	65.1		ug/m3		104	70 - 130

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

Lab Sample ID: LCS 410-206378/4
Matrix: Air
Analysis Batch: 206378

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	46.0	45.8		ug/m3		99	76 - 117
Chlorodifluoromethane	35.4	37.2		ug/m3		105	70 - 141
Chloroethane	26.4	22.8		ug/m3		86	70 - 131
Chloroform	48.8	48.4		ug/m3		99	70 - 130
Chloromethane	20.7	16.4		ug/m3		80	70 - 138
cis-1,2-Dichloroethene	39.6	40.0		ug/m3		101	70 - 130
cis-1,3-Dichloropropene	45.4	46.4		ug/m3		102	70 - 130
Cumene	49.2	62.2		ug/m3		127	70 - 131
Dibromochloromethane	85.2	86.5		ug/m3		102	74 - 131
Dibromomethane	71.1	69.5		ug/m3		98	70 - 130
Dichlorodifluoromethane	49.5	50.7		ug/m3		102	70 - 131
Dichlorofluoromethane	42.1	44.4		ug/m3		105	70 - 136
Ethylbenzene	43.4	49.3		ug/m3		114	70 - 130
Freon 113	76.6	75.6		ug/m3		99	70 - 130
Freon-114	69.9	70.3		ug/m3		101	70 - 130
Heptane	41.0	43.7		ug/m3		107	70 - 130
Hexachloroethane	96.8	80.2		ug/m3		83	38 - 163
Hexane	35.2	36.1		ug/m3		102	70 - 130
Isooctane	46.7	51.5		ug/m3		110	70 - 130
m&p-Xylene	43.4	50.0		ug/m3		115	78 - 119
Methyl t-butyl ether	36.1	40.2		ug/m3		111	70 - 130
Methylene Chloride	34.7	34.3		ug/m3		99	70 - 139
o-Xylene	43.4	52.1		ug/m3		120	70 - 130
Octane	46.7	51.3		ug/m3		110	70 - 130
Pentane	29.5	29.4		ug/m3		100	70 - 130
Styrene	42.6	53.1		ug/m3		125	70 - 133
Tetrachloroethene	67.8	78.0		ug/m3		115	70 - 130
Toluene	37.7	38.7		ug/m3		103	70 - 130
trans-1,2-Dichloroethene	39.6	41.2		ug/m3		104	70 - 130
trans-1,3-Dichloropropene	45.4	48.4		ug/m3		107	70 - 130
Trichloroethene	53.7	52.8		ug/m3		98	70 - 130
Trichlorofluoromethane	56.2	56.0		ug/m3		100	70 - 130
Vinyl chloride	25.6	26.2		ug/m3		103	70 - 135

Lab Sample ID: LCSD 410-206378/5
Matrix: Air
Analysis Batch: 206378

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	70.2		ug/m3		102	73 - 124	1	25
1,1,1-Trichloroethane	54.6	58.3		ug/m3		107	70 - 130	4	25
1,1,2,2-Tetrachloroethane	68.7	67.0		ug/m3		98	68 - 138	1	25
1,1,2-Trichloroethane	54.6	53.9		ug/m3		99	76 - 127	1	25
1,1-Dichloroethane	40.5	41.9		ug/m3		103	70 - 130	5	25
1,1-Dichloroethene	39.6	43.7		ug/m3		110	70 - 131	4	25
1,2,3-Trichloropropane	60.3	61.1		ug/m3		101	70 - 136	0	25
1,2,4-Trimethylbenzene	49.2	66.2		ug/m3		135	65 - 146	7	25
1,2-Dibromoethane	76.8	77.3		ug/m3		101	70 - 130	1	25
1,2-Dichlorobenzene	60.1	66.5		ug/m3		111	61 - 139	1	25

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

Lab Sample ID: LCSD 410-206378/5
Matrix: Air
Analysis Batch: 206378

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-Dichloroethane	40.5	40.5		ug/m3		100	70 - 142	2	25
1,2-Dichloropropane	46.2	45.5		ug/m3		98	70 - 130	2	25
1,3,5-Trimethylbenzene	49.2	60.4		ug/m3		123	69 - 141	1	25
1,3-Butadiene	22.1	23.1		ug/m3		105	70 - 131	4	25
1,3-Dichlorobenzene	60.1	67.4		ug/m3		112	64 - 140	2	25
1,4-Dichlorobenzene	60.1	65.9		ug/m3		110	64 - 137	0	25
2-Butanone	29.5	31.5		ug/m3		107	70 - 130	5	25
2-Hexanone	41.0	40.9		ug/m3		100	63 - 144	1	25
3-Chloroprene	31.3	33.8		ug/m3		108	70 - 156	4	25
4-Ethyltoluene	49.2	61.8		ug/m3		126	69 - 139	1	25
4-Methyl-2-pentanone	41.0	44.3		ug/m3		108	68 - 133	3	25
Acetone	23.8	23.7		ug/m3		100	70 - 137	4	25
Benzene	31.9	30.8		ug/m3		96	70 - 130	2	25
Bromobenzene	64.2	65.8		ug/m3		103	70 - 130	2	25
Bromodichloromethane	67.0	66.9		ug/m3		100	75 - 134	1	25
Bromoform	103	99.4		ug/m3		96	60 - 139	0	25
Bromomethane	38.8	39.4		ug/m3		101	70 - 134	4	25
Carbon disulfide	31.1	32.0		ug/m3		103	70 - 130	4	25
Carbon tetrachloride	62.9	67.5		ug/m3		107	70 - 130	4	25
Chlorobenzene	46.0	46.2		ug/m3		100	76 - 117	1	25
Chlorodifluoromethane	35.4	38.7		ug/m3		110	70 - 141	4	25
Chloroethane	26.4	23.6		ug/m3		90	70 - 131	4	25
Chloroform	48.8	50.1		ug/m3		103	70 - 130	4	25
Chloromethane	20.7	17.2		ug/m3		83	70 - 138	4	25
cis-1,2-Dichloroethene	39.6	42.0		ug/m3		106	70 - 130	5	25
cis-1,3-Dichloropropene	45.4	48.2		ug/m3		106	70 - 130	4	25
Cumene	49.2	63.0		ug/m3		128	70 - 131	1	25
Dibromochloromethane	85.2	86.0		ug/m3		101	74 - 131	1	25
Dibromomethane	71.1	70.9		ug/m3		100	70 - 130	2	25
Dichlorodifluoromethane	49.5	52.3		ug/m3		106	70 - 131	3	25
Dichlorofluoromethane	42.1	46.4		ug/m3		110	70 - 136	5	25
Ethylbenzene	43.4	49.8		ug/m3		115	70 - 130	1	25
Freon 113	76.6	79.1		ug/m3		103	70 - 130	5	25
Freon-114	69.9	72.7		ug/m3		104	70 - 130	3	25
Heptane	41.0	44.8		ug/m3		109	70 - 130	2	25
Hexachloroethane	96.8	81.3		ug/m3		84	38 - 163	1	25
Hexane	35.2	38.3		ug/m3		109	70 - 130	6	25
Isooctane	46.7	53.0		ug/m3		113	70 - 130	3	25
m&p-Xylene	43.4	50.4		ug/m3		116	78 - 119	1	25
Methyl t-butyl ether	36.1	42.2		ug/m3		117	70 - 130	5	25
Methylene Chloride	34.7	35.7		ug/m3		103	70 - 139	4	25
o-Xylene	43.4	53.2		ug/m3		123	70 - 130	2	25
Octane	46.7	51.8		ug/m3		111	70 - 130	1	25
Pentane	29.5	30.8		ug/m3		104	70 - 130	5	25
Styrene	42.6	54.0		ug/m3		127	70 - 133	2	25
Tetrachloroethene	67.8	78.4		ug/m3		116	70 - 130	0	25
Toluene	37.7	38.9		ug/m3		103	70 - 130	0	25
trans-1,2-Dichloroethene	39.6	43.3		ug/m3		109	70 - 130	5	25
trans-1,3-Dichloropropene	45.4	48.3		ug/m3		106	70 - 130	0	25

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

Lab Sample ID: LCSD 410-206378/5
Matrix: Air
Analysis Batch: 206378

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
Trichloroethene			53.7	53.8		ug/m3		100	70 - 130	2	25
Trichlorofluoromethane			56.2	57.7		ug/m3		103	70 - 130	3	25
Vinyl chloride			25.6	27.2		ug/m3		106	70 - 135	3	25

Qualifiers

Air - GC/MS VOA

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

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
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree VI

Job ID: 410-66301-1

Air - GC/MS VOA

Analysis Batch: 206378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-66301-1	SV-1-20211208	Total/NA	Air	TO-15	
410-66301-2	IA-1-20211208	Total/NA	Air	TO-15	
410-66301-3	AA-1-20211208	Total/NA	Air	TO-15	
MB 410-206378/7	Method Blank	Total/NA	Air	TO-15	
LCS 410-206378/4	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 410-206378/5	Lab Control Sample Dup	Total/NA	Air	TO-15	

Lab Chronicle

Client: Brown and Caldwell
Project/Site: Bartlett Tree VI

Job ID: 410-66301-1

Client Sample ID: SV-1-20211208
Lab Sample ID: 410-66301-1
Date Collected: 12/08/21 15:03
Matrix: Air
Date Received: 12/09/21 18:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	206378	12/17/21 05:04	H9JD	ELLE

Client Sample ID: IA-1-20211208
Lab Sample ID: 410-66301-2
Date Collected: 12/08/21 12:03
Matrix: Air
Date Received: 12/09/21 18:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	206378	12/17/21 05:54	H9JD	ELLE

Client Sample ID: AA-1-20211208
Lab Sample ID: 410-66301-3
Date Collected: 12/08/21 15:10
Matrix: Air
Date Received: 12/09/21 18:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	206378	12/17/21 06:47	H9JD	ELLE

Laboratory References:

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

Accreditation/Certification Summary

Client: Brown and Caldwell
Project/Site: Bartlett Tree VI

Job ID: 410-66301-1

Laboratory: Eurofins Lancaster Laboratories Env, 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	04-01-22

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 TO15

Volatile Organic Compounds (GC/MS) by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Env, LLC Job No.: 410-66301-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5D16X04.D

Lab ID: LCS 410-206378/4 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	68.6	69.8	102	73-124	
1,1,1-Trichloroethane	54.6	56.0	103	70-130	
1,1,2,2-Tetrachloroethane	68.7	66.2	96	68-138	
1,1,2-Trichloroethane	54.6	54.5	100	76-127	
1,1-Dichloroethane	40.5	40.0	99	70-130	
1,1-Dichloroethene	39.6	42.1	106	70-131	
1,2,3-Trichloropropane	60.3	61.1	101	70-136	
1,2,4-Trimethylbenzene	49.2	61.8	126	65-146	
1,2-Dibromoethane	76.8	76.9	100	70-130	
1,2-Dichlorobenzene	60.1	66.0	110	61-139	
1,2-Dichloroethane	40.5	39.6	98	70-142	
1,2-Dichloropropane	46.2	44.7	97	70-130	
1,3,5-Trimethylbenzene	49.2	60.1	122	69-141	
1,3-Butadiene	22.1	22.2	100	70-131	
1,3-Dichlorobenzene	60.1	66.0	110	64-140	
1,4-Dichlorobenzene	60.1	65.6	109	64-137	
2-Butanone	29.5	30.0	102	70-130	
2-Hexanone	41.0	41.2	100	63-144	
3-Chloroprene	31.3	32.4	103	70-156	
4-Ethyltoluene	49.2	62.6	127	69-139	
4-Methyl-2-pentanone	41.0	43.2	105	68-133	
Acetone	23.8	22.8	96	70-137	
Benzene	31.9	30.1	94	70-130	
Bromobenzene	64.2	64.9	101	70-130	
Bromodichloromethane	67.0	66.2	99	75-134	
Bromoform	103	99.8	97	60-139	
Bromomethane	38.8	37.9	98	70-134	
Carbon disulfide	31.1	30.7	99	70-130	
Carbon tetrachloride	62.9	65.1	104	70-130	
Chlorobenzene	46.0	45.8	99	76-117	
Chlorodifluoromethane	35.4	37.2	105	70-141	
Chloroethane	26.4	22.8	86	70-131	
Chloroform	48.8	48.4	99	70-130	
Chloromethane	20.7	16.4	80	70-138	
cis-1,2-Dichloroethene	39.6	40.0	101	70-130	
cis-1,3-Dichloropropene	45.4	46.4	102	70-130	
Cumene	49.2	62.2	127	70-131	
Dibromochloromethane	85.2	86.5	102	74-131	
Dibromomethane	71.1	69.5	98	70-130	
Dichlorodifluoromethane	49.5	50.7	102	70-131	
Dichlorofluoromethane	42.1	44.4	105	70-136	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Env, LLC Job No.: 410-66301-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5D16X04.D

Lab ID: LCS 410-206378/4 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
Ethylbenzene	43.4	49.3	114	70-130	
Freon 113	76.6	75.6	99	70-130	
Freon-114	69.9	70.3	101	70-130	
Heptane	41.0	43.7	107	70-130	
Hexachloroethane	96.8	80.2	83	38-163	
Hexane	35.2	36.1	102	70-130	
Isooctane	46.7	51.5	110	70-130	
m&p-Xylene	43.4	50.0	115	78-119	
Methyl t-butyl ether	36.1	40.2	111	70-130	
Methylene Chloride	34.7	34.3	99	70-139	
o-Xylene	43.4	52.1	120	70-130	
Octane	46.7	51.3	110	70-130	
Pentane	29.5	29.4	100	70-130	
Styrene	42.6	53.1	125	70-133	
Tetrachloroethene	67.8	78.0	115	70-130	
Toluene	37.7	38.7	103	70-130	
trans-1,2-Dichloroethene	39.6	41.2	104	70-130	
trans-1,3-Dichloropropene	45.4	48.4	107	70-130	
Trichloroethene	53.7	52.8	98	70-130	
Trichlorofluoromethane	56.2	56.0	100	70-130	
Vinyl chloride	25.6	26.2	103	70-135	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Env, LLC Job No.: 410-66301-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5D16X05.D

Lab ID: LCSD 410-206378/5 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCSD CONCENTRATION (ug/m3)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	68.6	70.2	102	1	25	73-124	
1,1,1-Trichloroethane	54.6	58.3	107	4	25	70-130	
1,1,2,2-Tetrachloroethane	68.7	67.0	98	1	25	68-138	
1,1,2-Trichloroethane	54.6	53.9	99	1	25	76-127	
1,1-Dichloroethane	40.5	41.9	103	5	25	70-130	
1,1-Dichloroethene	39.6	43.7	110	4	25	70-131	
1,2,3-Trichloropropane	60.3	61.1	101	0	25	70-136	
1,2,4-Trimethylbenzene	49.2	66.2	135	7	25	65-146	
1,2-Dibromoethane	76.8	77.3	101	1	25	70-130	
1,2-Dichlorobenzene	60.1	66.5	111	1	25	61-139	
1,2-Dichloroethane	40.5	40.5	100	2	25	70-142	
1,2-Dichloropropane	46.2	45.5	98	2	25	70-130	
1,3,5-Trimethylbenzene	49.2	60.4	123	1	25	69-141	
1,3-Butadiene	22.1	23.1	105	4	25	70-131	
1,3-Dichlorobenzene	60.1	67.4	112	2	25	64-140	
1,4-Dichlorobenzene	60.1	65.9	110	0	25	64-137	
2-Butanone	29.5	31.5	107	5	25	70-130	
2-Hexanone	41.0	40.9	100	1	25	63-144	
3-Chloroprene	31.3	33.8	108	4	25	70-156	
4-Ethyltoluene	49.2	61.8	126	1	25	69-139	
4-Methyl-2-pentanone	41.0	44.3	108	3	25	68-133	
Acetone	23.8	23.7	100	4	25	70-137	
Benzene	31.9	30.8	96	2	25	70-130	
Bromobenzene	64.2	65.8	103	2	25	70-130	
Bromodichloromethane	67.0	66.9	100	1	25	75-134	
Bromoform	103	99.4	96	0	25	60-139	
Bromomethane	38.8	39.4	101	4	25	70-134	
Carbon disulfide	31.1	32.0	103	4	25	70-130	
Carbon tetrachloride	62.9	67.5	107	4	25	70-130	
Chlorobenzene	46.0	46.2	100	1	25	76-117	
Chlorodifluoromethane	35.4	38.7	110	4	25	70-141	
Chloroethane	26.4	23.6	90	4	25	70-131	
Chloroform	48.8	50.1	103	4	25	70-130	
Chloromethane	20.7	17.2	83	4	25	70-138	
cis-1,2-Dichloroethene	39.6	42.0	106	5	25	70-130	
cis-1,3-Dichloropropene	45.4	48.2	106	4	25	70-130	
Cumene	49.2	63.0	128	1	25	70-131	
Dibromochloromethane	85.2	86.0	101	1	25	74-131	
Dibromomethane	71.1	70.9	100	2	25	70-130	
Dichlorodifluoromethane	49.5	52.3	106	3	25	70-131	
Dichlorofluoromethane	42.1	46.4	110	5	25	70-136	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Env, LLC Job No.: 410-66301-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 5D16X05.D

Lab ID: LCSD 410-206378/5 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCSD CONCENTRATION (ug/m3)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Ethylbenzene	43.4	49.8	115	1	25	70-130	
Freon 113	76.6	79.1	103	5	25	70-130	
Freon-114	69.9	72.7	104	3	25	70-130	
Heptane	41.0	44.8	109	2	25	70-130	
Hexachloroethane	96.8	81.3	84	1	25	38-163	
Hexane	35.2	38.3	109	6	25	70-130	
Isooctane	46.7	53.0	113	3	25	70-130	
m&p-Xylene	43.4	50.4	116	1	25	78-119	
Methyl t-butyl ether	36.1	42.2	117	5	25	70-130	
Methylene Chloride	34.7	35.7	103	4	25	70-139	
o-Xylene	43.4	53.2	123	2	25	70-130	
Octane	46.7	51.8	111	1	25	70-130	
Pentane	29.5	30.8	104	5	25	70-130	
Styrene	42.6	54.0	127	2	25	70-133	
Tetrachloroethene	67.8	78.4	116	0	25	70-130	
Toluene	37.7	38.9	103	0	25	70-130	
trans-1,2-Dichloroethene	39.6	43.3	109	5	25	70-130	
trans-1,3-Dichloropropene	45.4	48.3	106	0	25	70-130	
Trichloroethene	53.7	53.8	100	2	25	70-130	
Trichlorofluoromethane	56.2	57.7	103	3	25	70-130	
Vinyl chloride	25.6	27.2	106	3	25	70-135	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-66301-1

SDG No.:

Lab File ID: 5D16X07.D Lab Sample ID: MB 410-206378/7

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

Instrument ID: HP22820 Date Analyzed: 12/16/2021 21:40

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-206378/4	5D16X04.D	12/16/2021 20:25
	LCSD 410-206378/5	5D16X05.D	12/16/2021 20:50
SV-1-20211208	410-66301-1	5D16X23.D	12/17/2021 05:04
IA-1-20211208	410-66301-2	5D16X25.D	12/17/2021 05:54
AA-1-20211208	410-66301-3	5D16X27.D	12/17/2021 06:47

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Lab File ID: 5N30T31.D BFB Injection Date: 12/01/2021

Instrument ID: HP22820 BFB Injection Time: 00:34

Analysis Batch No.: 199946

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.9	
75	30.0 - 66.0% of mass 95	44.0	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.6	(0.6) 1
174	50.0 - 120.0% of mass 95	95.1	
175	4.0 - 9.0 % of mass 174	6.9	(7.2) 1
176	93.0 - 101.0% of mass 174	92.8	(97.6) 1
177	5.0 - 9.0% of mass 176	6.1	(6.6) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-199946/3	5N30X31.D	12/01/2021	1:45
	IC 410-199946/4	5N30X32.D	12/01/2021	2:06
	IC 410-199946/5	5N30X33.D	12/01/2021	2:28
	IC 410-199946/6	5N30X34.D	12/01/2021	2:50
	IC 410-199946/7	5N30X35.D	12/01/2021	3:12
	ICISAV 410-199946/8	5N30X36.D	12/01/2021	3:37
	IC 410-199946/9	5N30X37.D	12/01/2021	4:00
	IC 410-199946/10	5N30X38.D	12/01/2021	4:27

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Lab File ID: 5D01T01.D BFB Injection Date: 12/01/2021

Instrument ID: HP22820 BFB Injection Time: 18:55

Analysis Batch No.: 200386

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.2	
75	30.0 - 66.0% of mass 95	44.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.6) 1
174	50.0 - 120.0% of mass 95	94.3	
175	4.0 - 9.0 % of mass 174	6.8	(7.3) 1
176	93.0 - 101.0% of mass 174	91.4	(96.9) 1
177	5.0 - 9.0% of mass 176	6.1	(6.7) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 410-200386/4	5D01X08.D	12/01/2021	22:22

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Lab File ID: 5D16T01.D BFB Injection Date: 12/16/2021

Instrument ID: HP22820 BFB Injection Time: 18:38

Analysis Batch No.: 206378

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.0	
75	30.0 - 66.0% of mass 95	44.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.6	(0.7) 1
174	50.0 - 120.0% of mass 95	94.0	
175	4.0 - 9.0 % of mass 174	6.8	(7.2) 1
176	93.0 - 101.0% of mass 174	90.3	(96.0) 1
177	5.0 - 9.0% of mass 176	6.0	(6.7) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-206378/3	5D16X02.D	12/16/2021	19:42
	LCS 410-206378/4	5D16X04.D	12/16/2021	20:25
	LCSD 410-206378/5	5D16X05.D	12/16/2021	20:50
	MB 410-206378/7	5D16X07.D	12/16/2021	21:40
SV-1-20211208	410-66301-1	5D16X23.D	12/17/2021	5:04
IA-1-20211208	410-66301-2	5D16X25.D	12/17/2021	5:54
AA-1-20211208	410-66301-3	5D16X27.D	12/17/2021	6:47

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Instrument ID: HP22820 Calibration Start Date: 12/01/2021 01:45

GC Column: DB-624 30m ID: 0.25(mm) Calibration End Date: 12/01/2021 04:27

Calibration ID: 33597

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		290142	5.46	1290601	6.28	1410373	8.48
UPPER LIMIT		406199	5.76	1806841	6.58	1974522	8.78
LOWER LIMIT		174085	5.16	774361	5.98	846224	8.18
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-200386/4		289911	5.46	1311610	6.28	1411026	8.48
CCVIS 410-206378/3		244285	5.46	1080584	6.28	1180827	8.48

CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Sample No.: CCVIS 410-206378/3 Date Analyzed: 12/16/2021 19:42

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm)

Lab File ID (Standard): 5D16X02.D Heated Purge: (Y/N) N

Calibration ID: 33597

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		244285	5.46	1080584	6.28	1180827	8.48
UPPER LIMIT		341999	5.76	1512818	6.58	1653158	8.78
LOWER LIMIT		146571	5.16	648350	5.98	708496	8.18
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-206378/4		265251	5.46	1193931	6.28	1276605	8.48
LCSD 410-206378/5		257424	5.46	1182454	6.28	1283926	8.48
MB 410-206378/7		246347	5.46	980580	6.28	1120704	8.48
410-66301-1	SV-1-20211208	226832	5.47	911803	6.29	1022164	8.48
410-66301-2	IA-1-20211208	221357	5.47	977706	6.29	1080330	8.48
410-66301-3	AA-1-20211208	206107	5.47	753612	6.29	943709	8.48

CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Client Sample ID: SV-1-20211208 Lab Sample ID: 410-66301-1

Matrix: Air Lab File ID: 5D16X23.D

Analysis Method: TO-15 Date Collected: 12/08/2021 15:03

Sample wt/vol: 200(mL) Date Analyzed: 12/17/2021 05:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 206378 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		6.9	1.0
71-55-6	1,1,1-Trichloroethane	7.7		5.5	0.65
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.9	1.0
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.65
75-34-3	1,1-Dichloroethane	ND		4.0	0.36
75-35-4	1,1-Dichloroethene	ND		4.0	0.56
96-18-4	1,2,3-Trichloropropane	ND		6.0	0.84
95-63-6	1,2,4-Trimethylbenzene	ND		9.8	1.4
106-93-4	1,2-Dibromoethane	ND		7.7	1.0
95-50-1	1,2-Dichlorobenzene	ND		6.0	1.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.32
78-87-5	1,2-Dichloropropane	ND		4.6	0.60
108-67-8	1,3,5-Trimethylbenzene	ND		9.8	1.6
106-99-0	1,3-Butadiene	ND		2.2	0.38
541-73-1	1,3-Dichlorobenzene	ND		6.0	1.8
106-46-7	1,4-Dichlorobenzene	ND		6.0	1.8
78-93-3	2-Butanone	1.8	J	2.9	0.62
591-78-6	2-Hexanone	ND		4.1	0.74
107-05-1	3-Chloroprene	ND		3.1	0.63
622-96-8	4-Ethyltoluene	ND		4.9	0.88
108-10-1	4-Methyl-2-pentanone	ND		4.1	0.61
67-64-1	Acetone	11	J	12	1.3
71-43-2	Benzene	1.6	J	3.2	0.35
108-86-1	Bromobenzene	ND		6.4	1.3
75-27-4	Bromodichloromethane	ND		6.7	0.80
75-25-2	Bromoform	ND		10	1.8
74-83-9	Bromomethane	ND		3.9	0.78
75-15-0	Carbon disulfide	ND		3.1	0.40
56-23-5	Carbon tetrachloride	1.2	J	6.3	0.88
108-90-7	Chlorobenzene	ND		4.6	0.60
75-45-6	Chlorodifluoromethane	ND		3.5	0.53
75-00-3	Chloroethane	ND		2.6	0.79
67-66-3	Chloroform	2.9	J	4.9	0.45
74-87-3	Chloromethane	ND		2.1	0.50
156-59-2	cis-1,2-Dichloroethene	ND		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	ND		4.5	0.45

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Client Sample ID: SV-1-20211208 Lab Sample ID: 410-66301-1

Matrix: Air Lab File ID: 5D16X23.D

Analysis Method: TO-15 Date Collected: 12/08/2021 15:03

Sample wt/vol: 200(mL) Date Analyzed: 12/17/2021 05:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 206378 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Cumene	ND		4.9	1.2
124-48-1	Dibromochloromethane	ND		8.5	1.1
74-95-3	Dibromomethane	ND		7.1	1.0
75-71-8	Dichlorodifluoromethane	7.7		4.9	0.64
75-43-4	Dichlorofluoromethane	ND		4.2	0.46
100-41-4	Ethylbenzene	ND		4.3	0.83
76-13-1	Freon 113	ND		7.7	1.5
76-14-2	Freon-114	ND		7.0	0.84
142-82-5	Heptane	ND		4.1	0.94
67-72-1	Hexachloroethane	ND		19	2.6
110-54-3	Hexane	3.1	J	3.5	1.1
540-84-1	Isooctane	ND		4.7	0.93
179601-23-1	m&p-Xylene	ND		4.3	1.1
1634-04-4	Methyl t-butyl ether	ND		3.6	0.54
75-09-2	Methylene Chloride	0.95	J	6.9	0.87
95-47-6	o-Xylene	ND		4.3	0.83
111-65-9	Octane	ND		9.3	1.9
109-66-0	Pentane	12		3.0	0.59
100-42-5	Styrene	ND		4.3	0.85
127-18-4	Tetrachloroethene	27		14	1.7
108-88-3	Toluene	0.94	J	3.8	0.45
156-60-5	trans-1,2-Dichloroethene	ND		4.0	0.79
10061-02-6	trans-1,3-Dichloropropene	ND		4.5	0.54
79-01-6	Trichloroethene	1.9	J	5.4	0.97
75-69-4	Trichlorofluoromethane	2.8	J	5.6	0.84
75-01-4	Vinyl chloride	ND		2.6	0.31

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D
Lims ID: 410-66301-A-1
Client ID: SV-1-20211208
Sample Type: Client
Inject. Date: 17-Dec-2021 05:04:19 ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 66301-1
Misc. Info.: 410-0046560-023
Operator ID: etp33087 Instrument ID: HP22820

Method: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 17-Dec-2021 22:13:30 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1636

First Level Reviewer: proctore Date: 17-Dec-2021 22:04:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	1.688	1.681	0.007	98	187040	1.55	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.817	1.812	0.007	35	3842	0.0298	7M
12 Trichlorofluoromethane	101	2.806	2.799	0.007	98	65231	0.4905	
13 Pentane	43	2.906	2.906	0.000	92	218486	4.20	
18 Acetone	43	3.565	3.551	0.014	100	236376	4.81	
20 Carbon disulfide	76	3.687	3.684	0.007	99	11412	0.0941	
24 Methylene Chloride	84	4.038	4.038	0.007	35	11444	0.2742	M
29 Hexane	56	4.568	4.567	0.007	90	24534	0.8686	
35 2-Butanone (MEK)	43	5.284	5.284	0.007	98	32617	0.6096	M
* 38 Chlorobromomethane (IS)	130	5.470	5.463	0.007	83	226832	10.0	
40 Chloroform	83	5.535	5.535	0.007	90	59698	0.5860	
41 1,1,1-Trichloroethane	97	5.671	5.678	0.000	97	141482	1.41	
43 Carbon tetrachloride	117	5.807	5.807	0.000	81	20486	0.1922	M
44 Benzene	78	5.979	5.979	0.000	93	66374	0.5069	
46 Isooctane	57	6.036	6.036	0.007	92	26527	0.1911	
* 49 1,4-Difluorobenzene	114	6.287	6.280	0.007	93	911803	10.0	
50 Trichloroethene	130	6.488	6.488	0.008	97	23972	0.3504	
59 Toluene	91	7.447	7.455	0.000	98	40193	0.2482	
64 Tetrachloroethene	166	7.856	7.856	0.000	98	410147	3.99	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	83	1022164	10.0	
71 Ethylbenzene	91	8.565	8.572	0.000	16	2212	0.0116	7M
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	65	3385	0.0233	7M

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

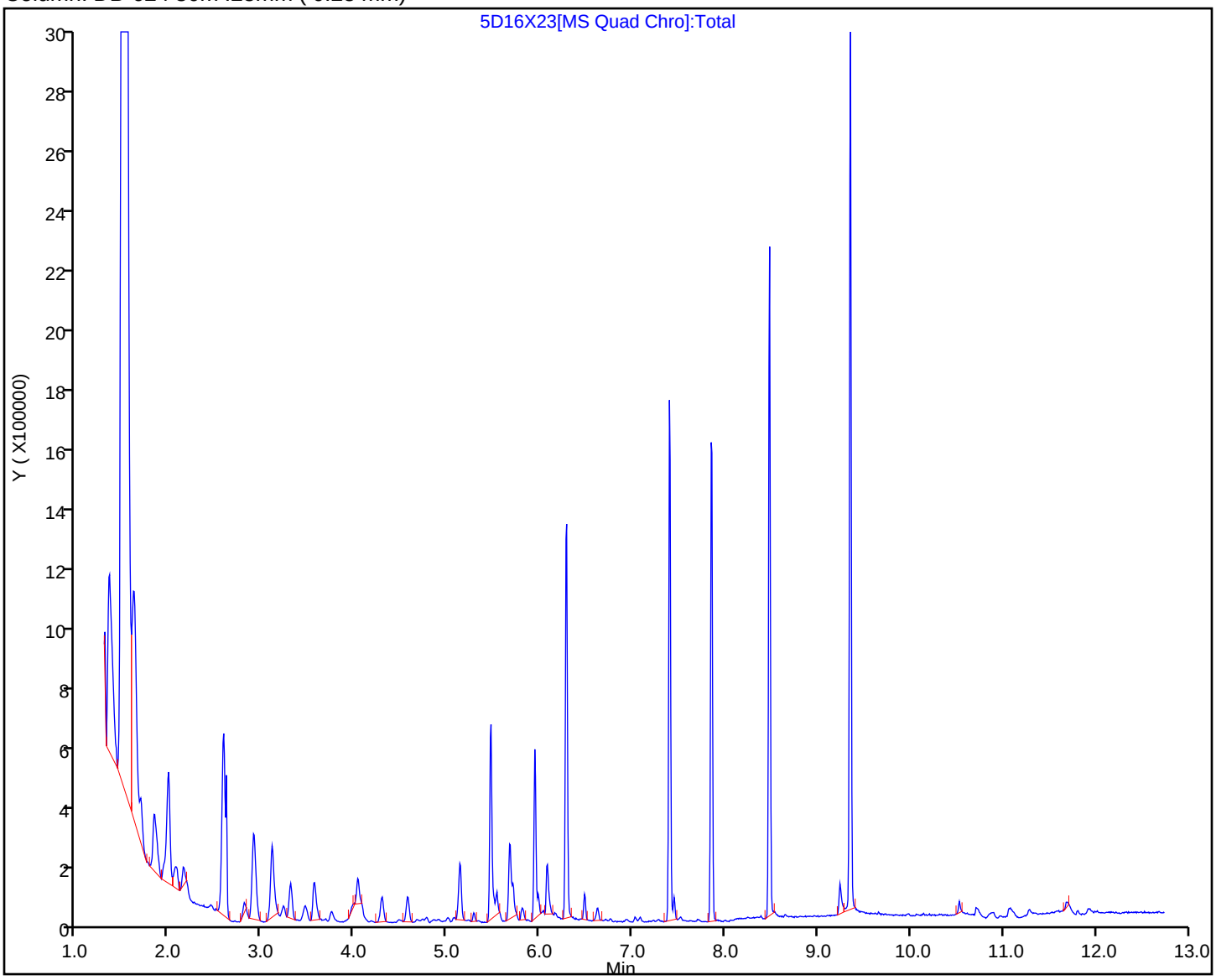
AIRIS200 ppb_00087 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
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)



Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D

Injection Date: 17-Dec-2021 05:04:19 Instrument ID: HP22820

Lims ID: 410-66301-A-1 Lab Sample ID: 410-66301-1

Client ID: SV-1-20211208

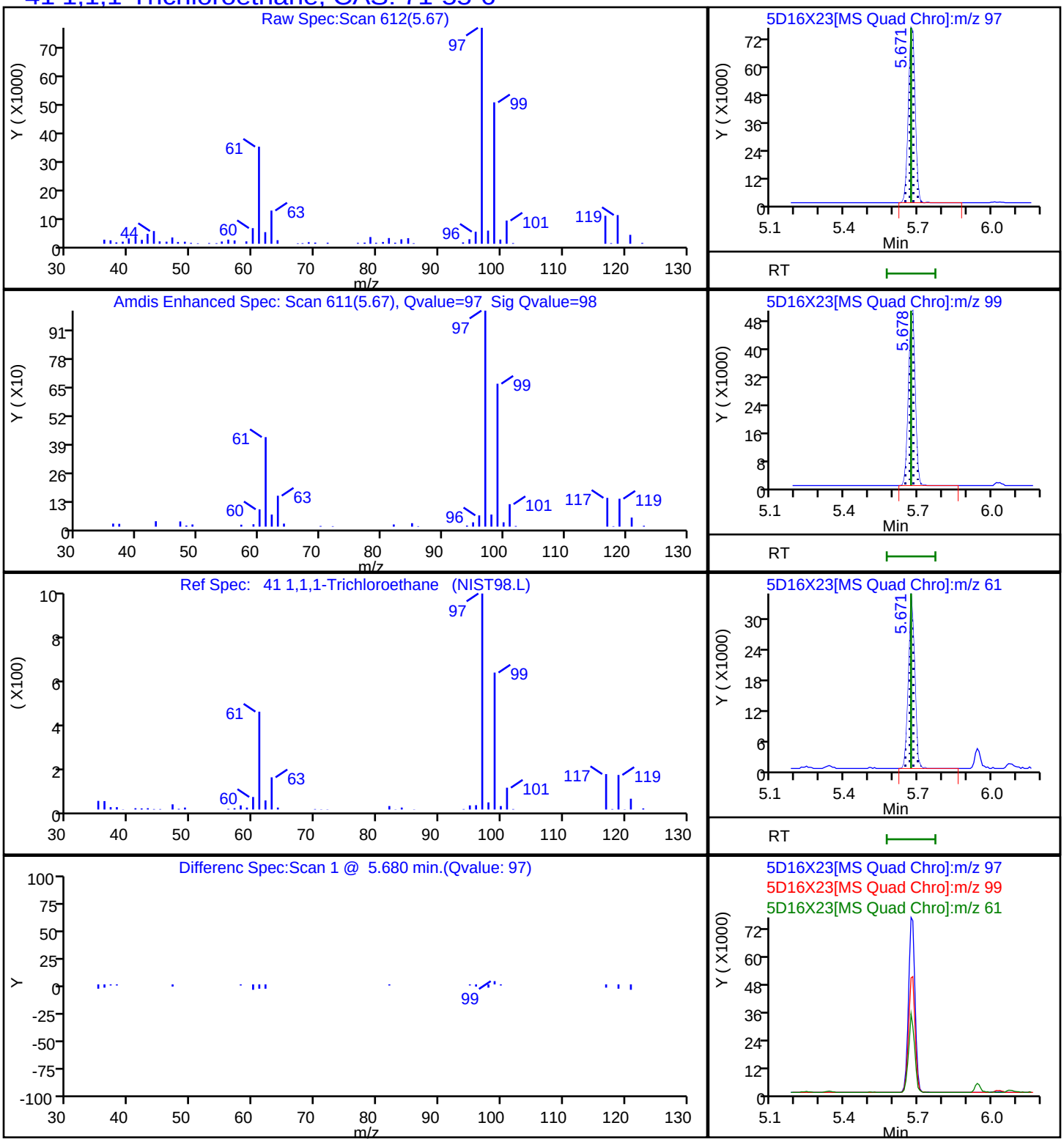
Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 23

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

41 1,1,1-Trichloroethane, CAS: 71-55-6



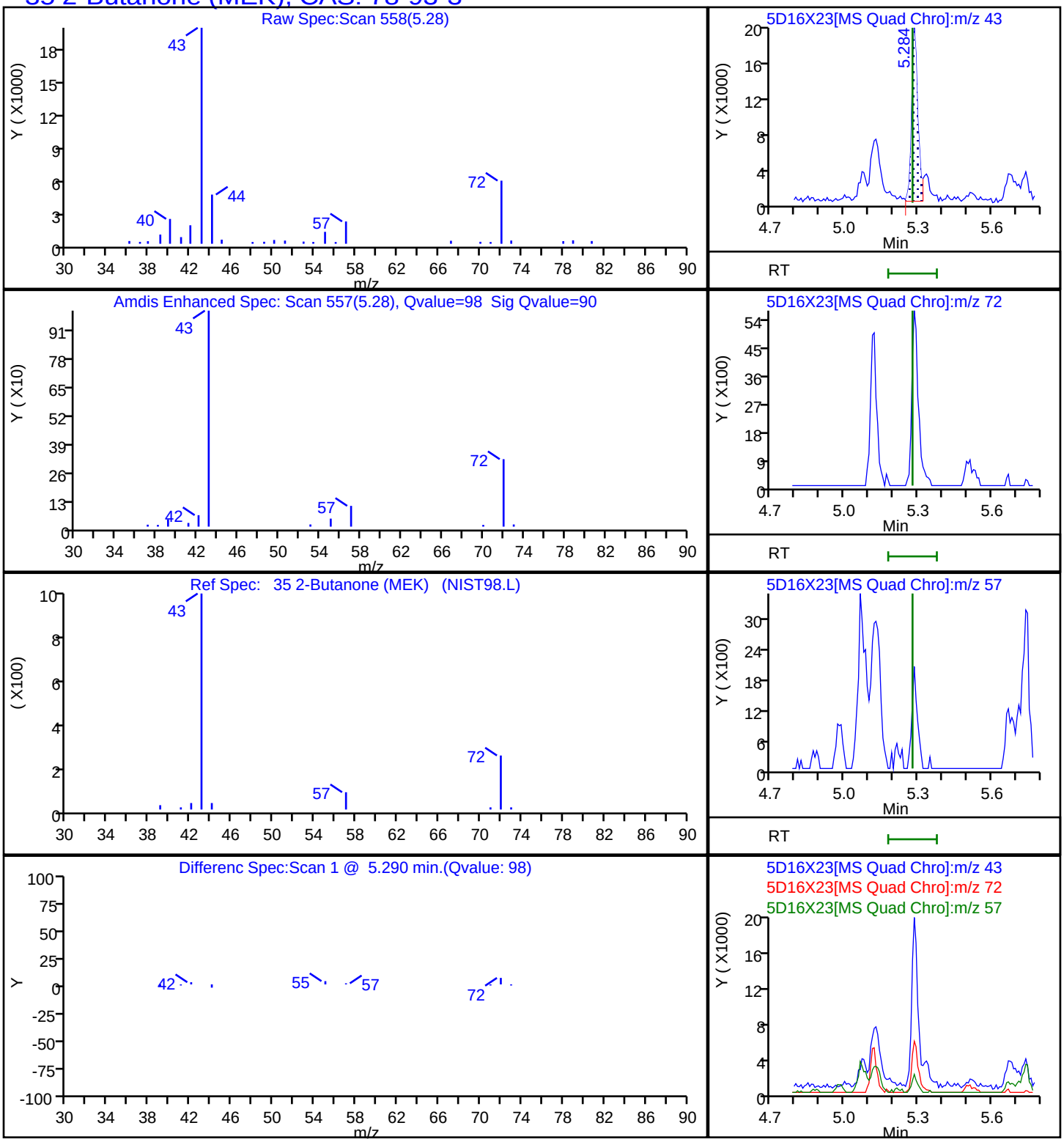
Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D

Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
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 2-Butanone (MEK), CAS: 78-93-3



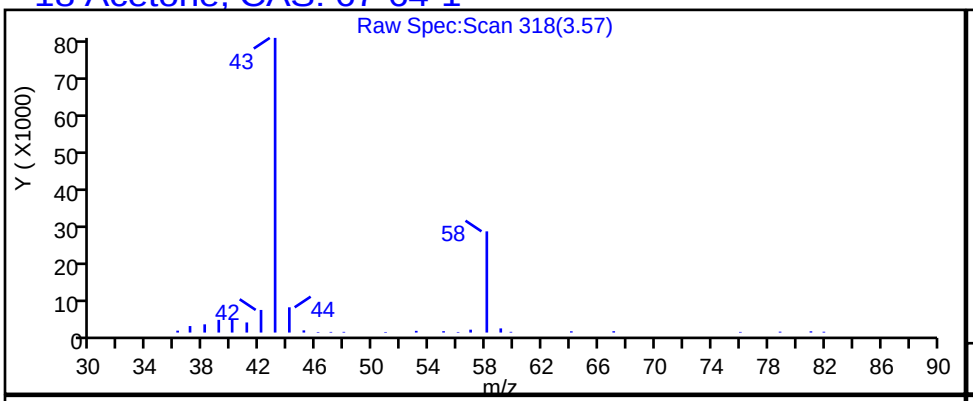
Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

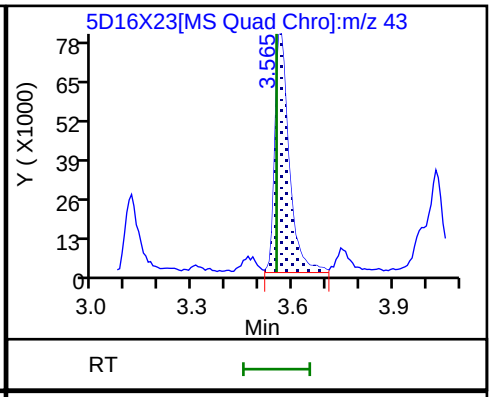
Eurofins Lancaster Laboratories Env, LLC

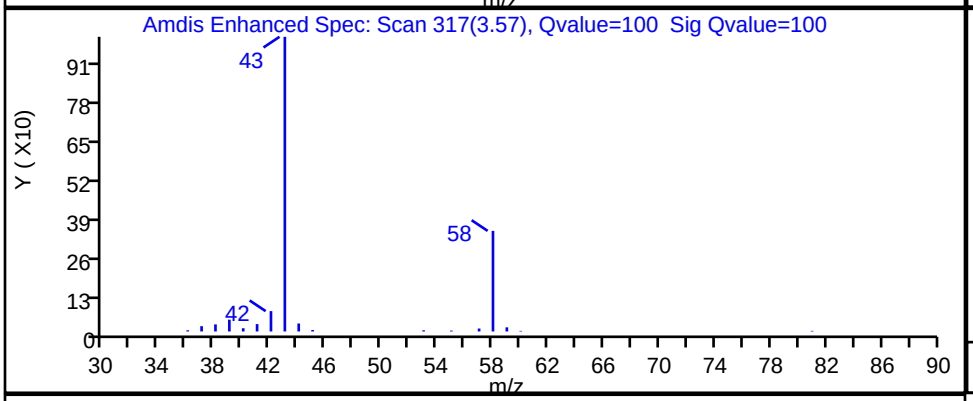
Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D

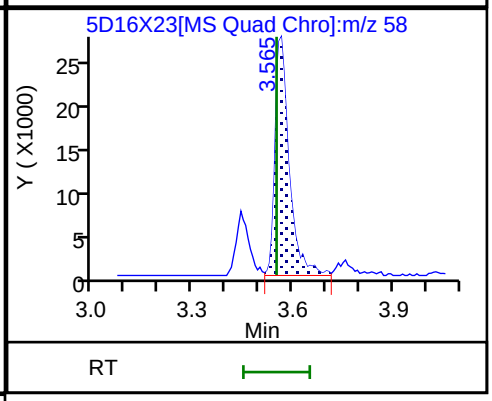
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

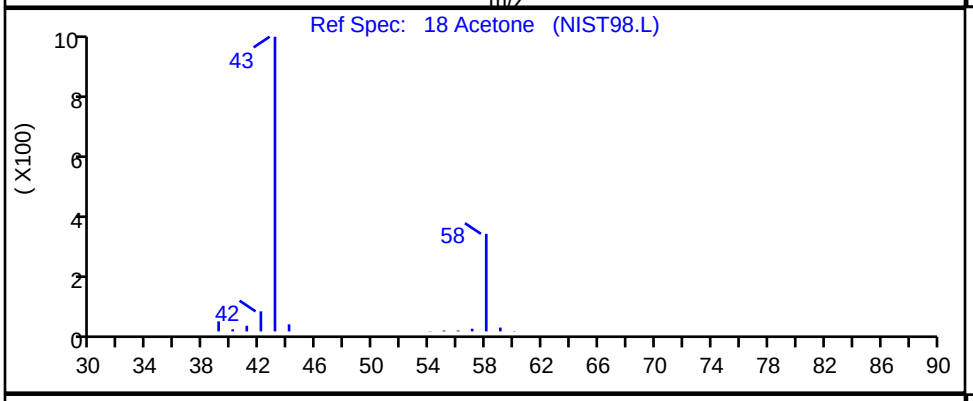
18 Acetone, CAS: 67-64-1

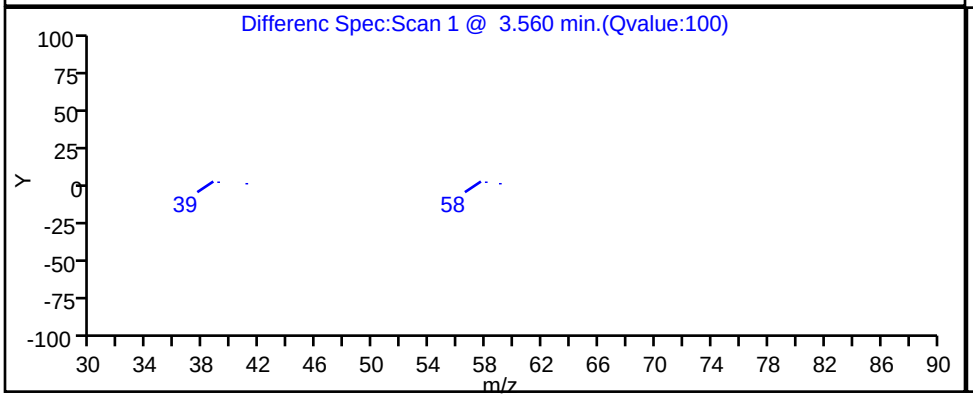


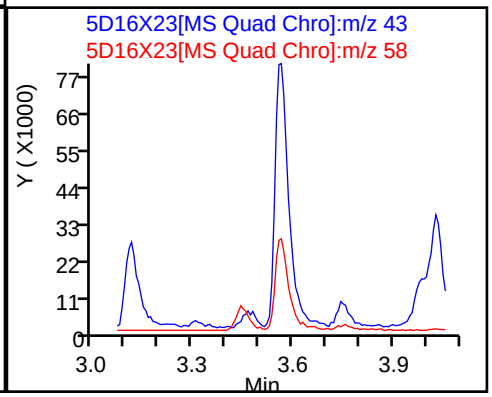












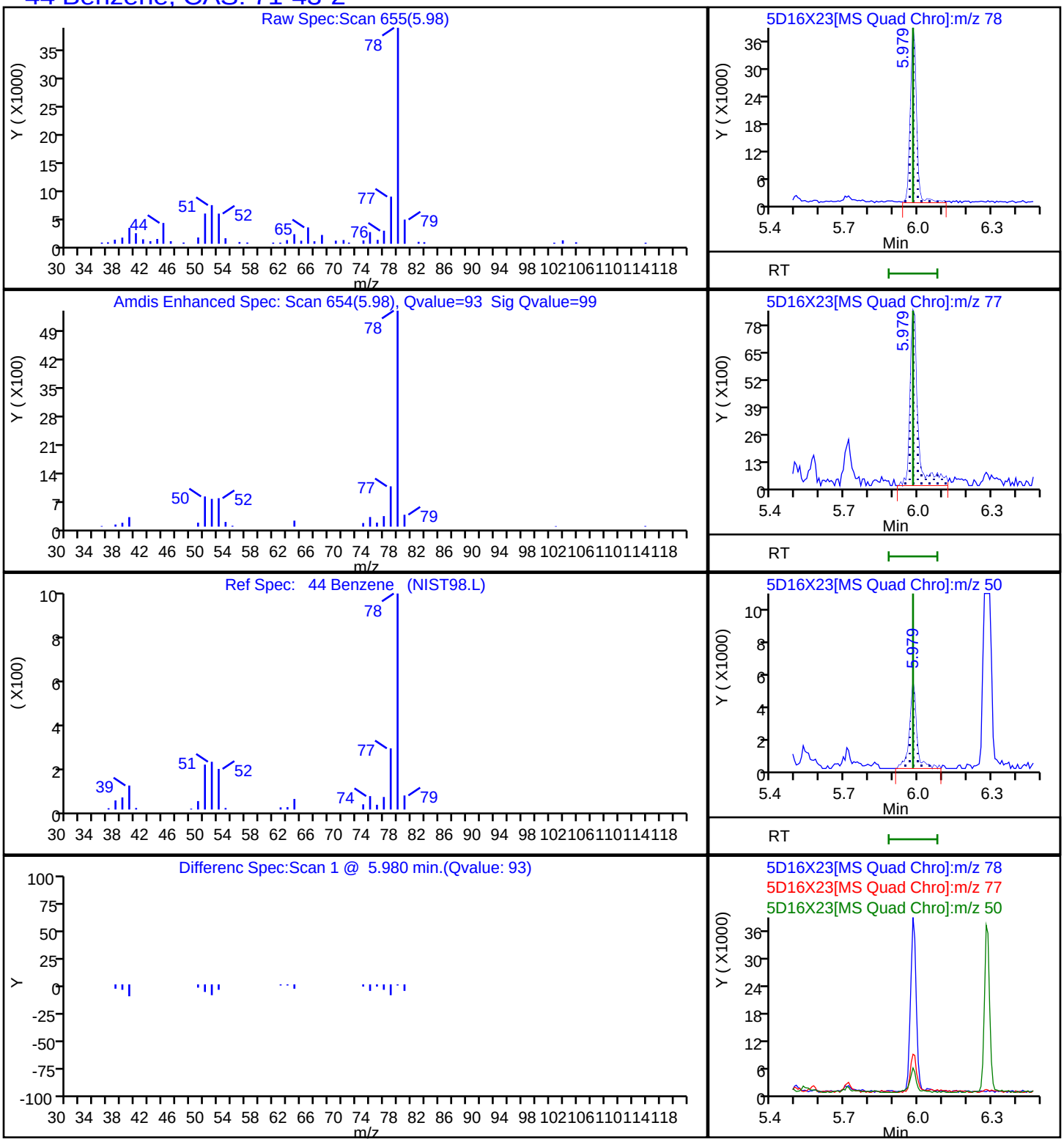
Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D

Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
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		

44 Benzene, CAS: 71-43-2

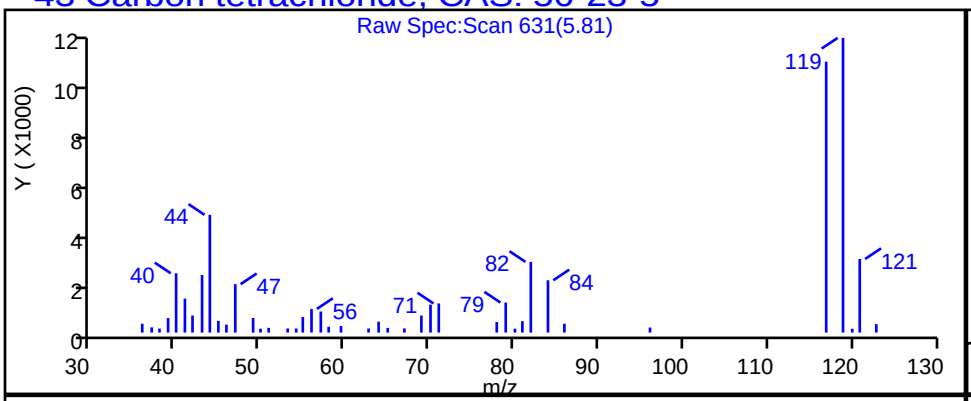


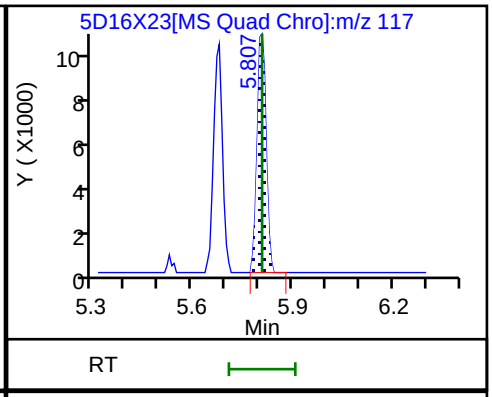
Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

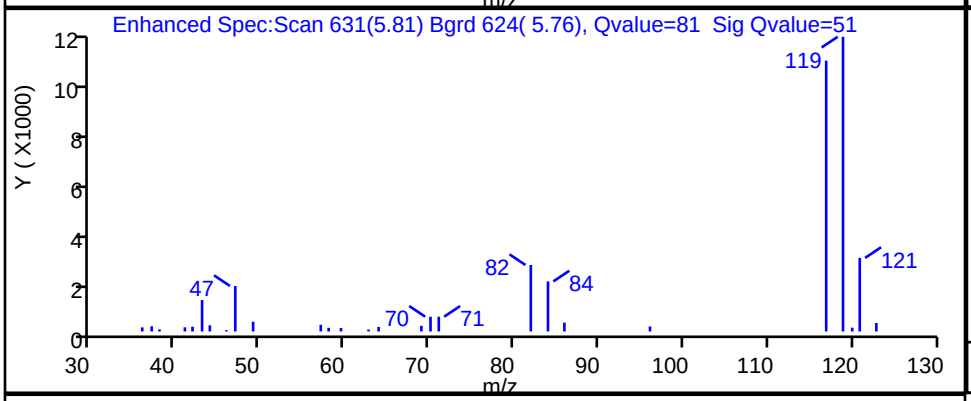
Eurofins Lancaster Laboratories Env, LLC

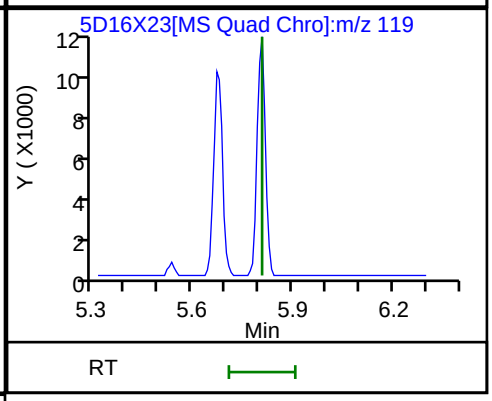
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

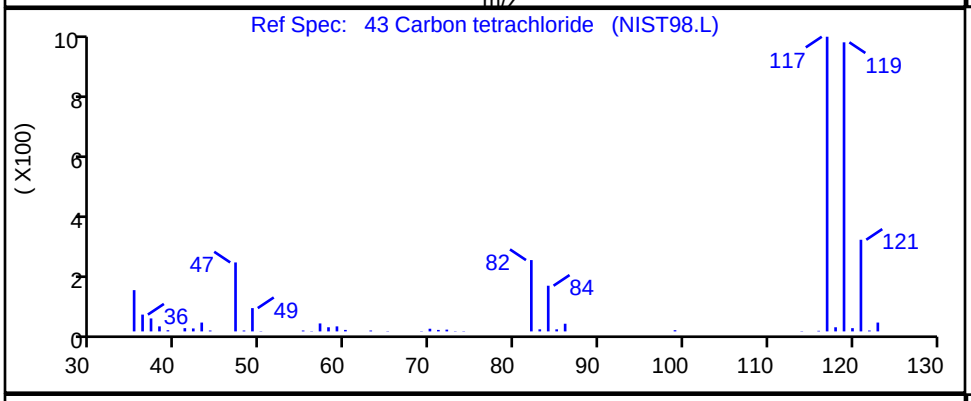
43 Carbon tetrachloride, CAS: 56-23-5

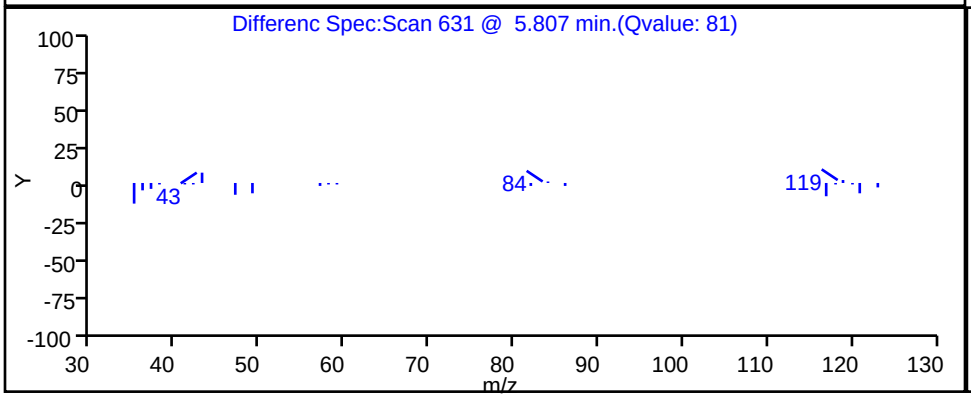


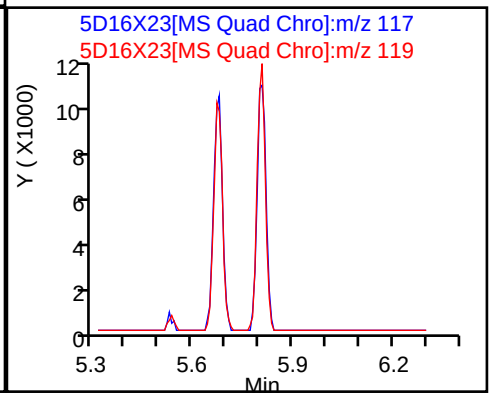












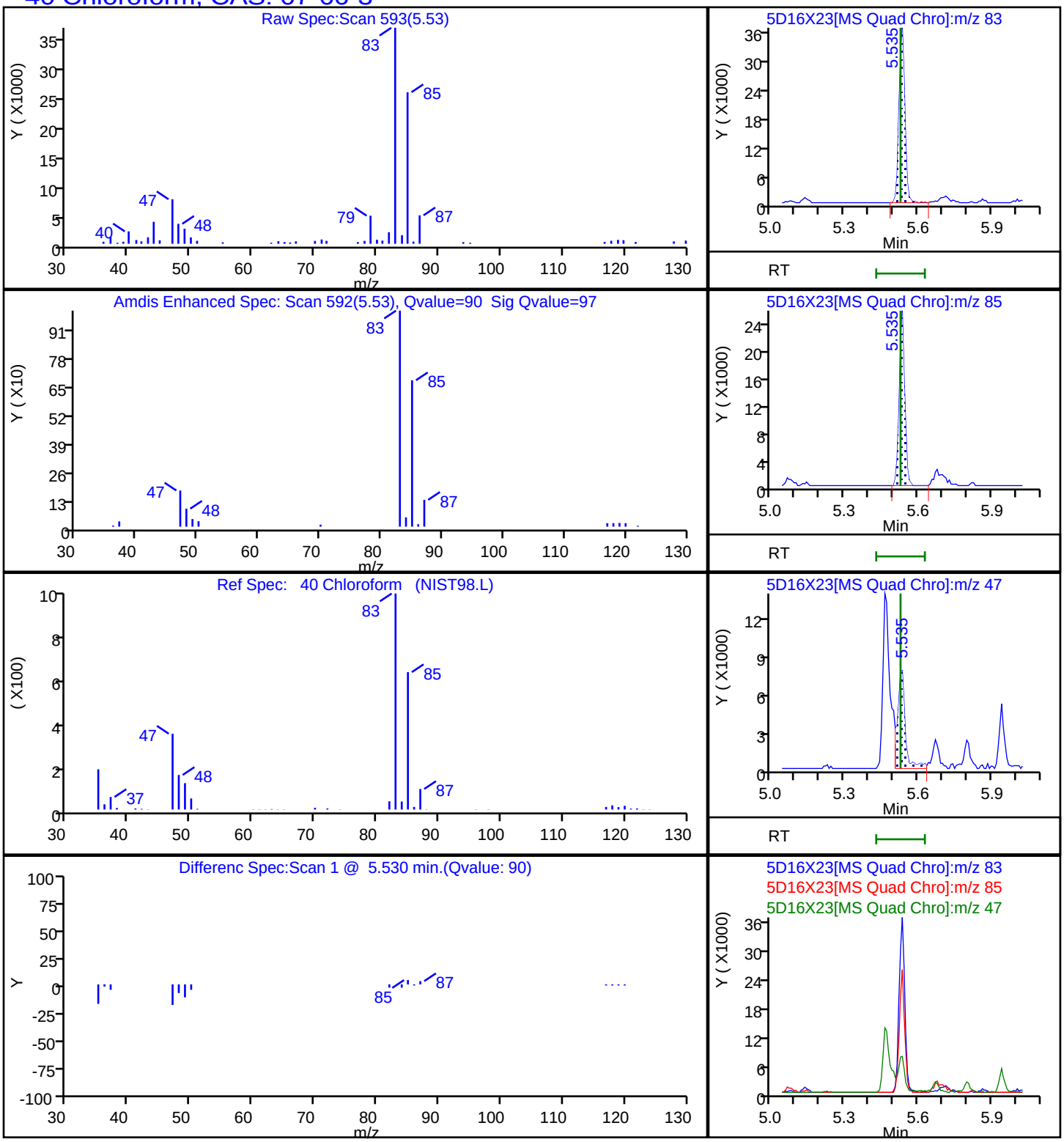
Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D

Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
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		

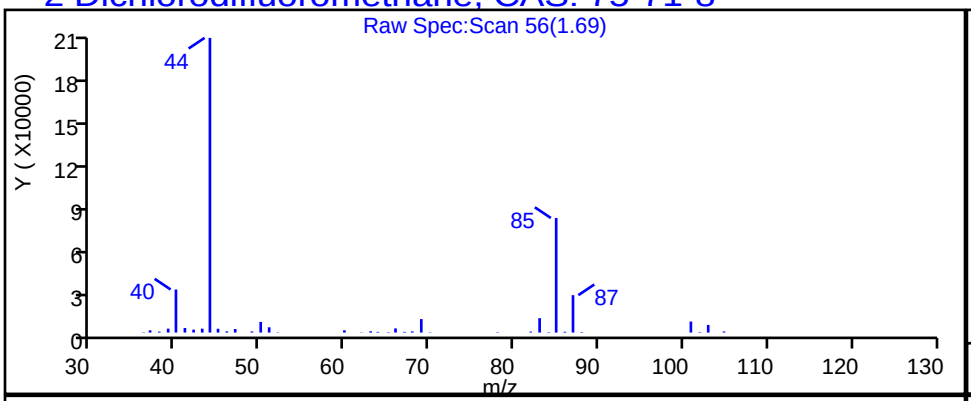
40 Chloroform, CAS: 67-66-3

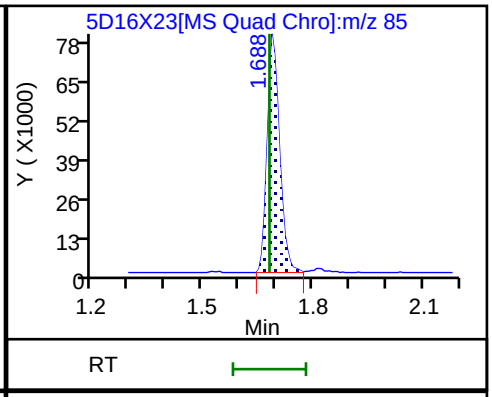


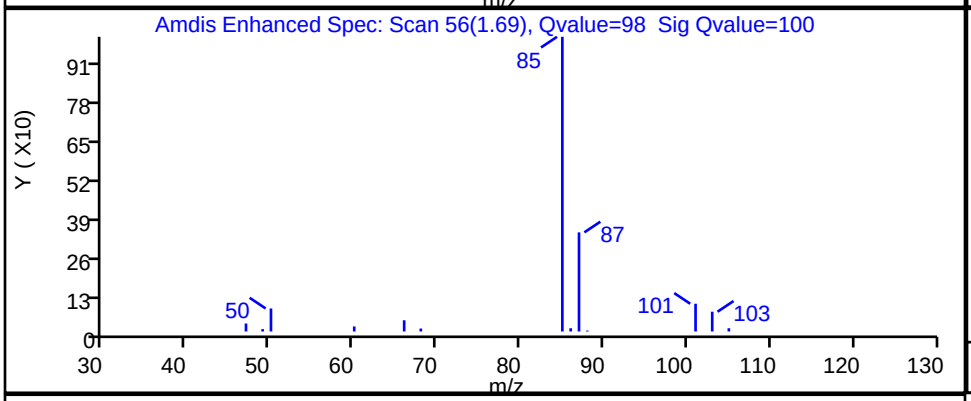
Eurofins Lancaster Laboratories Env, LLC

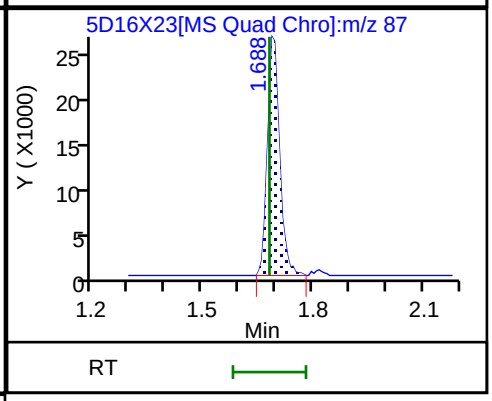
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

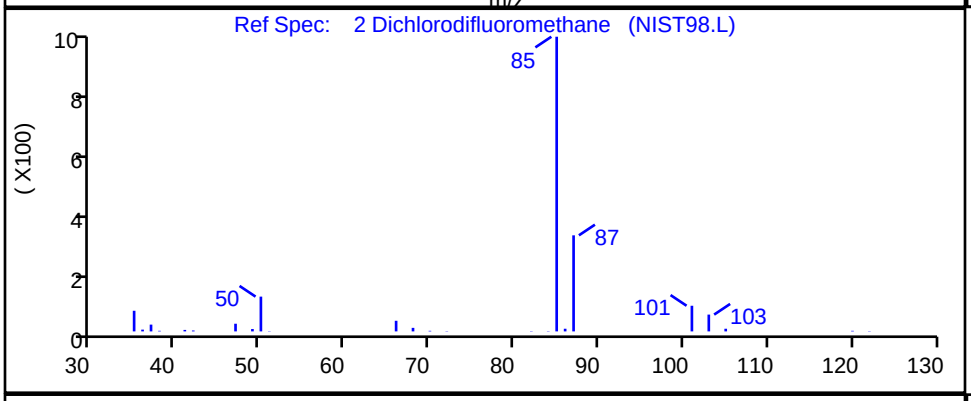
2 Dichlorodifluoromethane, CAS: 75-71-8

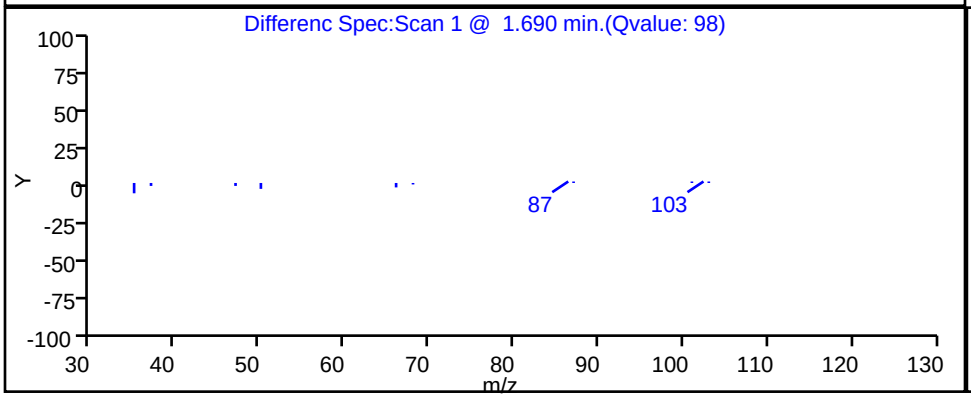


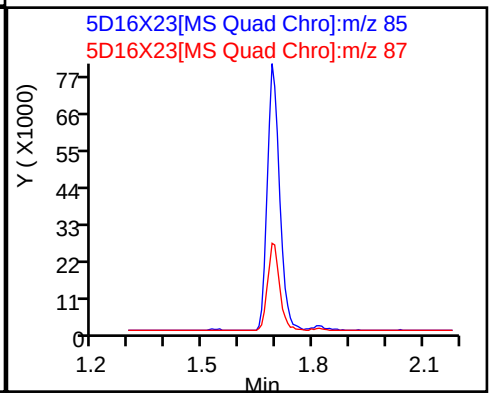












Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D

Injection Date: 17-Dec-2021 05:04:19 Instrument ID: HP22820

Lims ID: 410-66301-A-1 Lab Sample ID: 410-66301-1

Client ID: SV-1-20211208

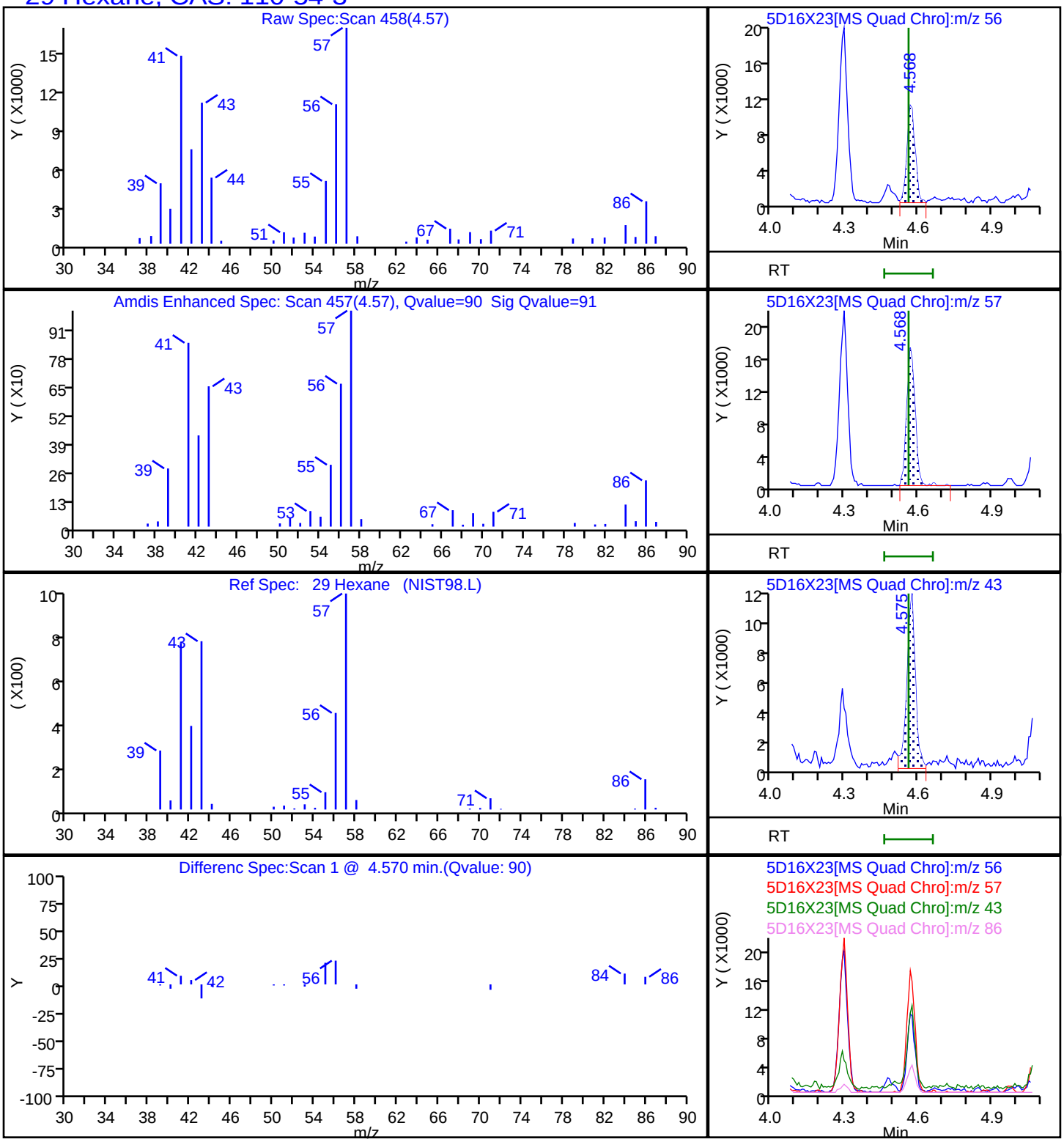
Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 23

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

29 Hexane, CAS: 110-54-3



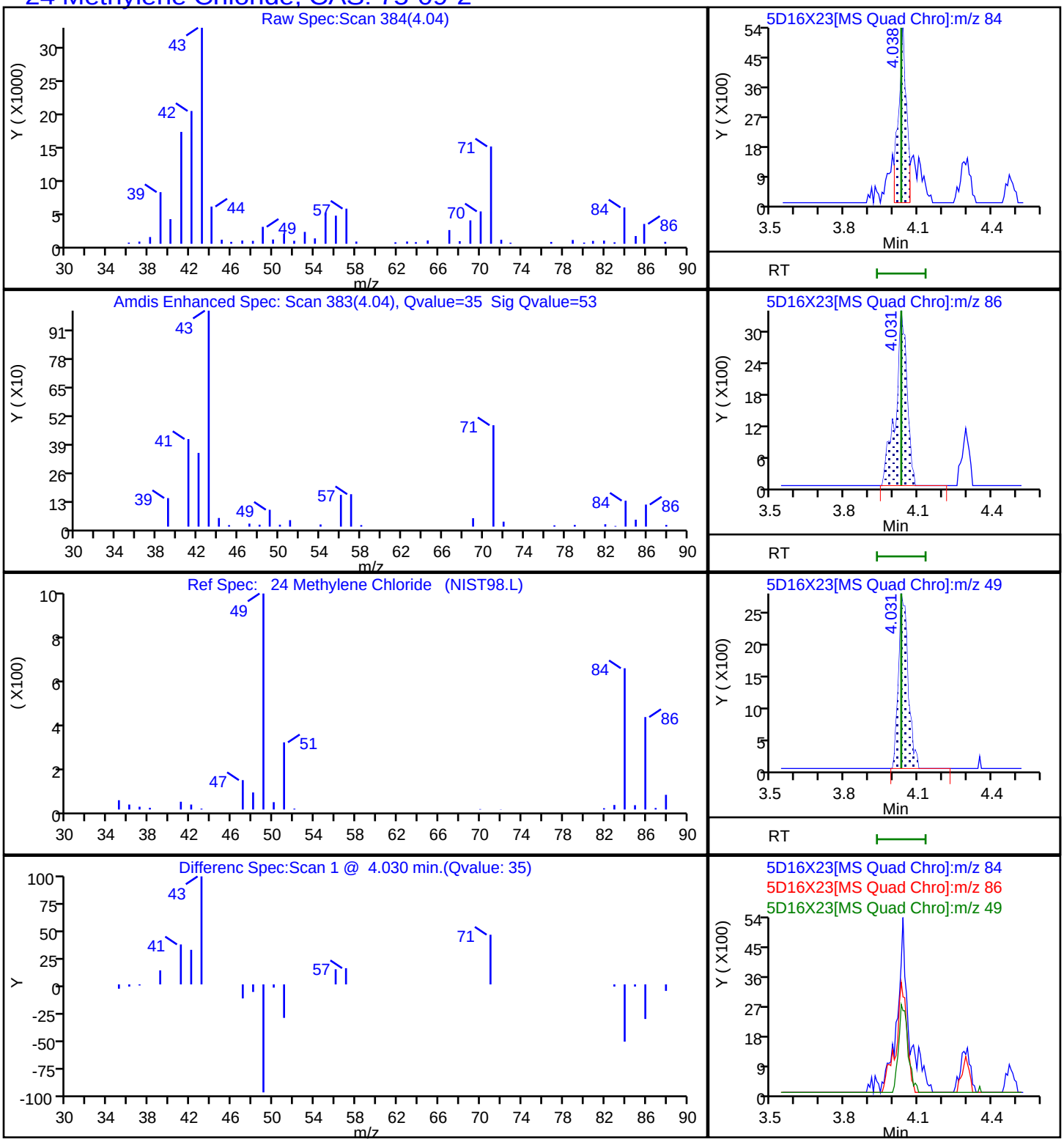
Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D

Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
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		

24 Methylene Chloride, CAS: 75-09-2



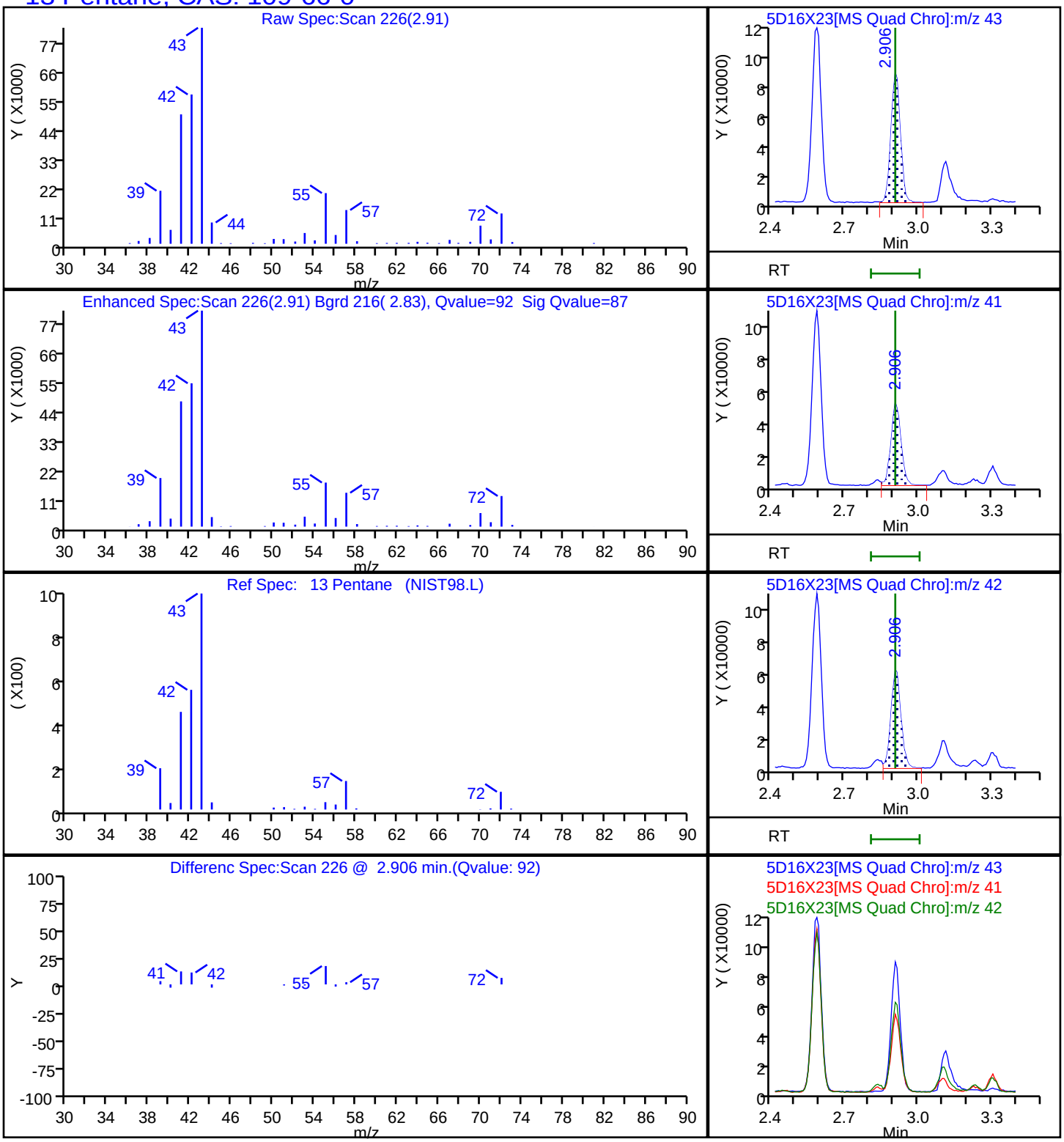
Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D

Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
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		

13 Pentane, CAS: 109-66-0



Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D

Injection Date: 17-Dec-2021 05:04:19 Instrument ID: HP22820

Lims ID: 410-66301-A-1 Lab Sample ID: 410-66301-1

Client ID: SV-1-20211208

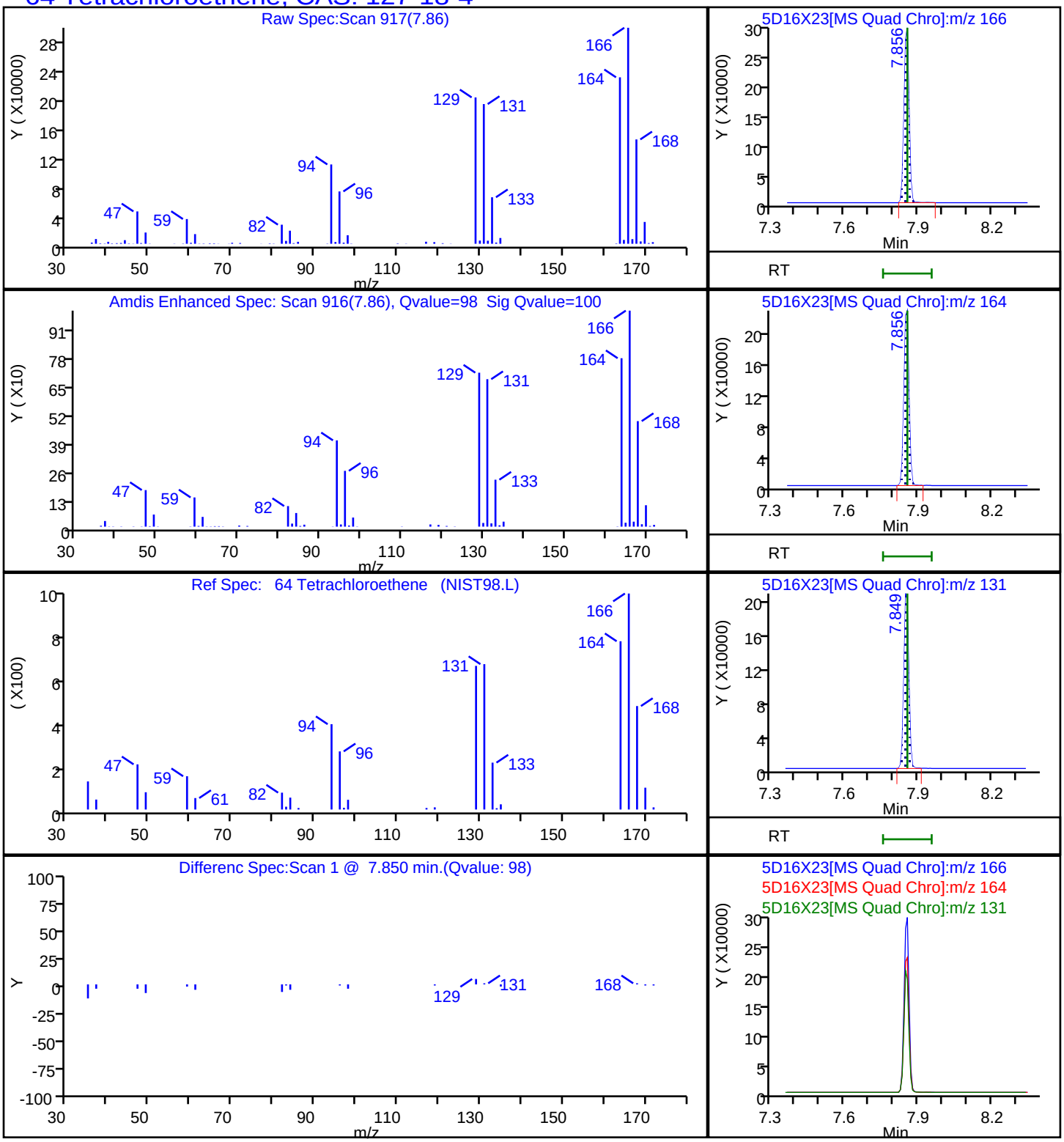
Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 23

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

64 Tetrachloroethene, CAS: 127-18-4



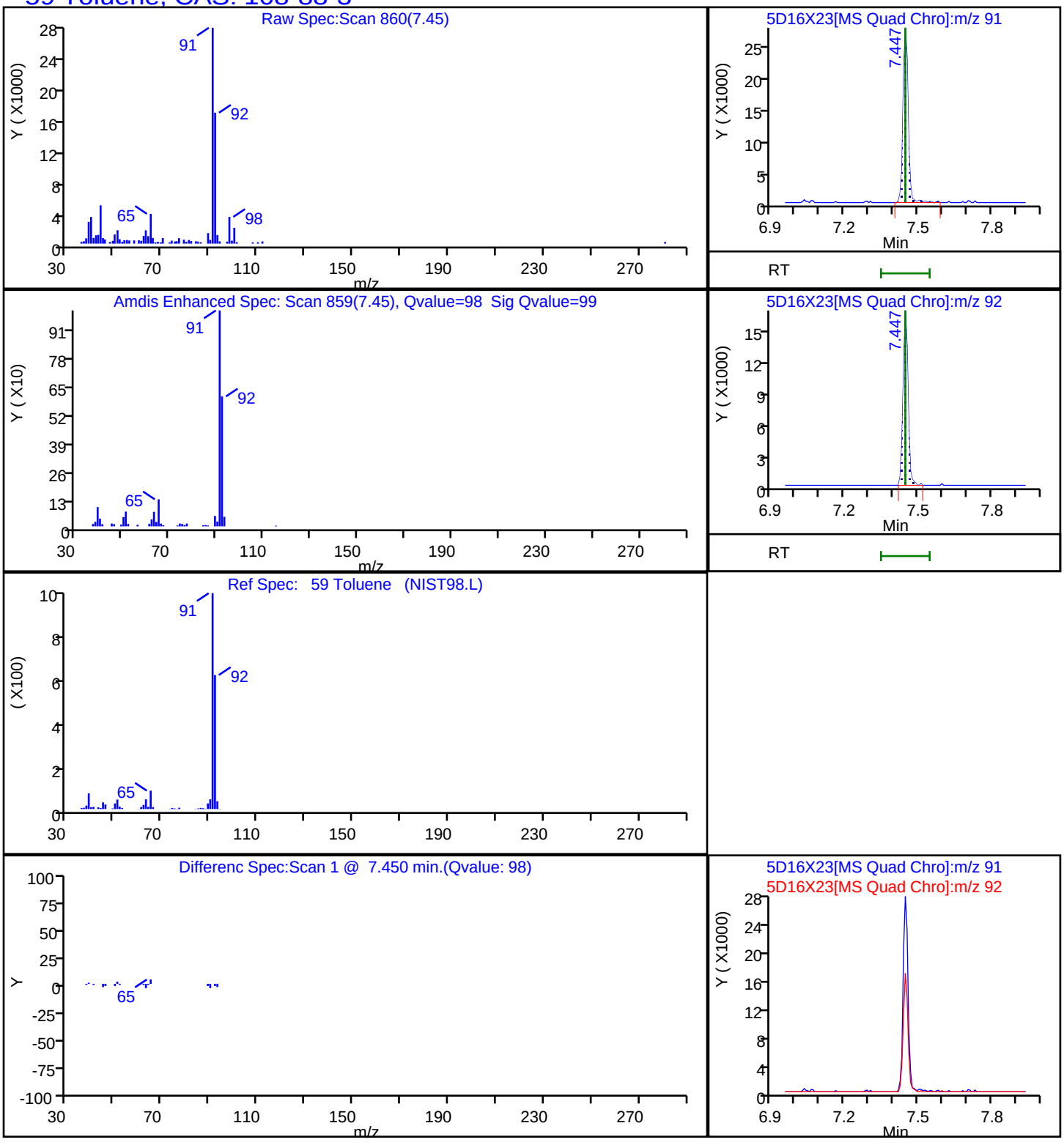
Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D

Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
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		

59 Toluene, CAS: 108-88-3



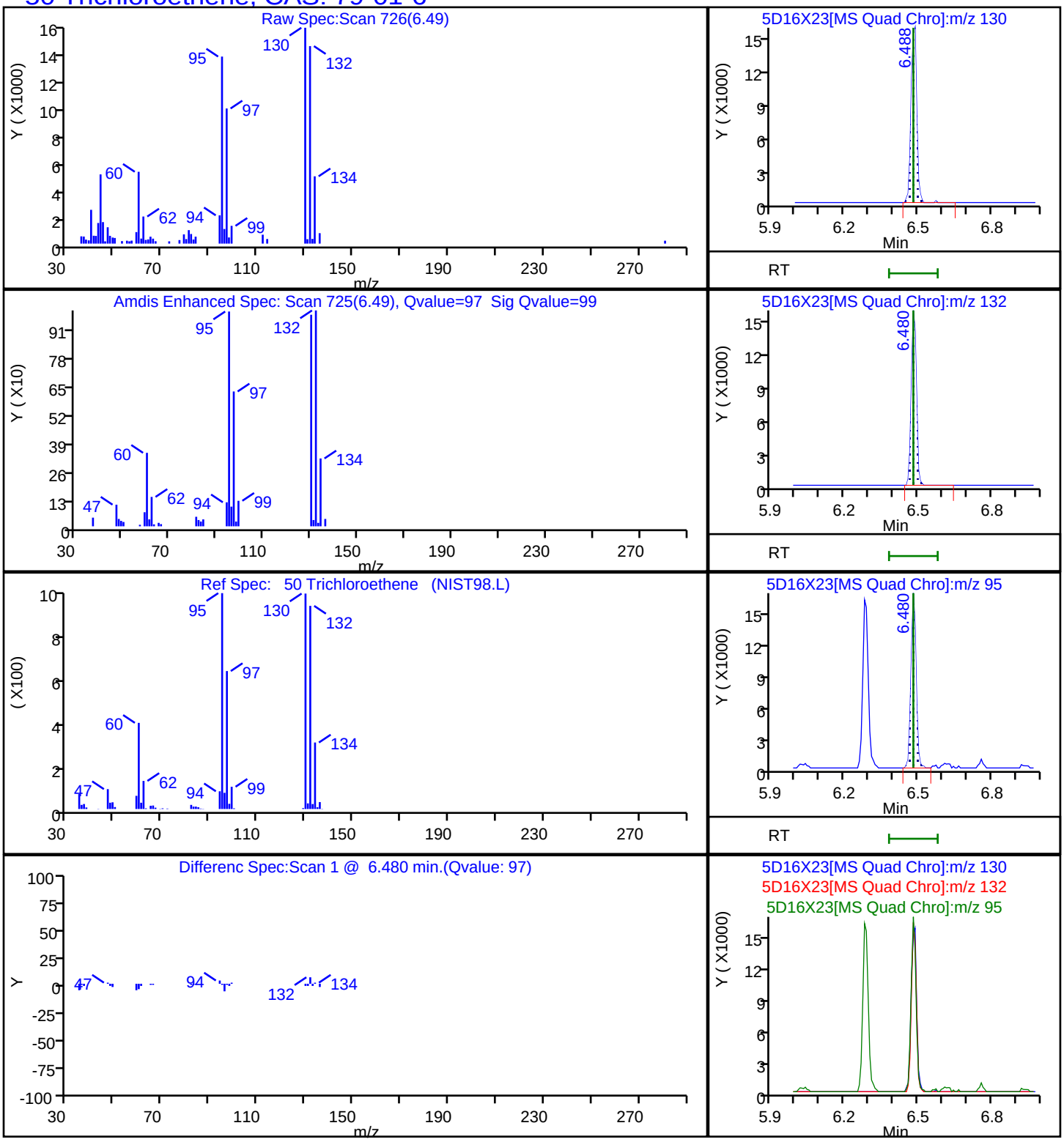
Report Date: 17-Dec-2021 22:13:59 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D

Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
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		

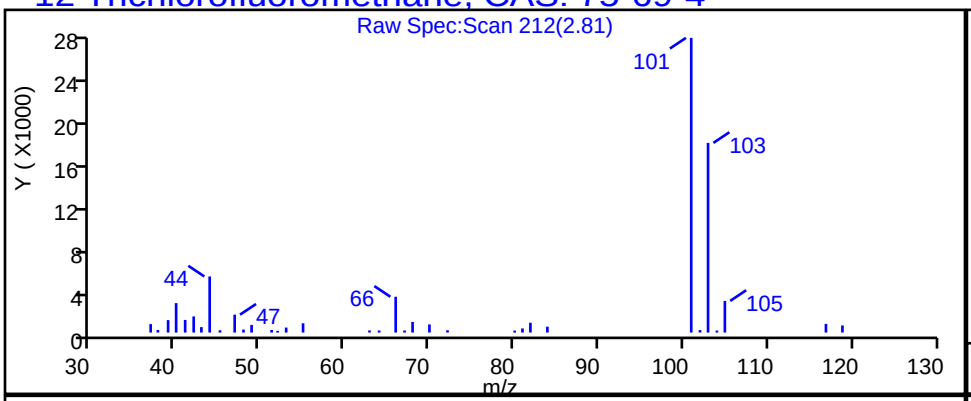
50 Trichloroethene, CAS: 79-01-6

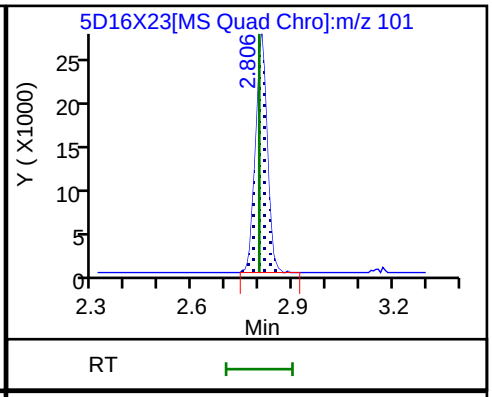


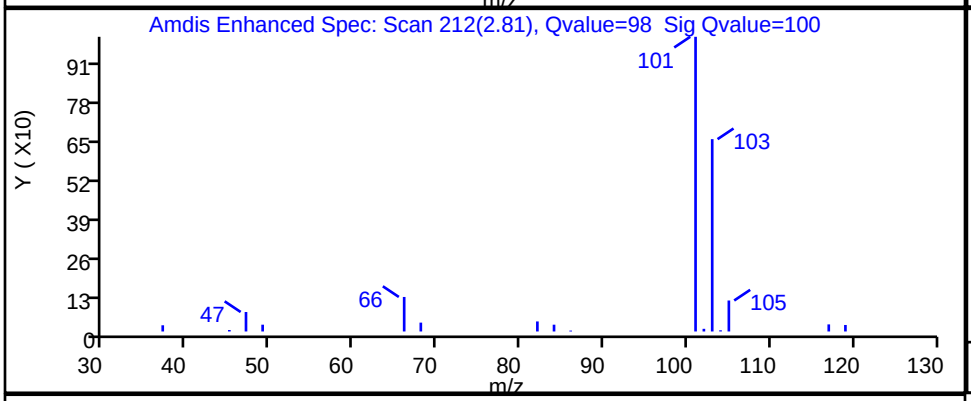
Eurofins Lancaster Laboratories Env, LLC

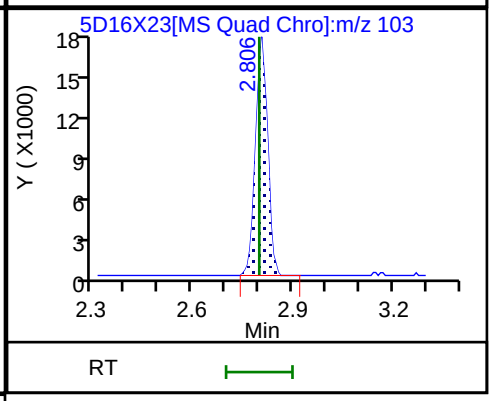
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

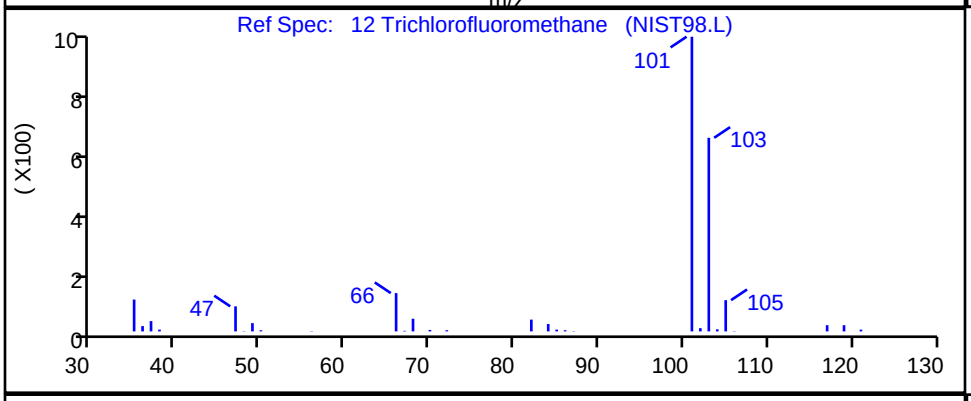
12 Trichlorofluoromethane, CAS: 75-69-4

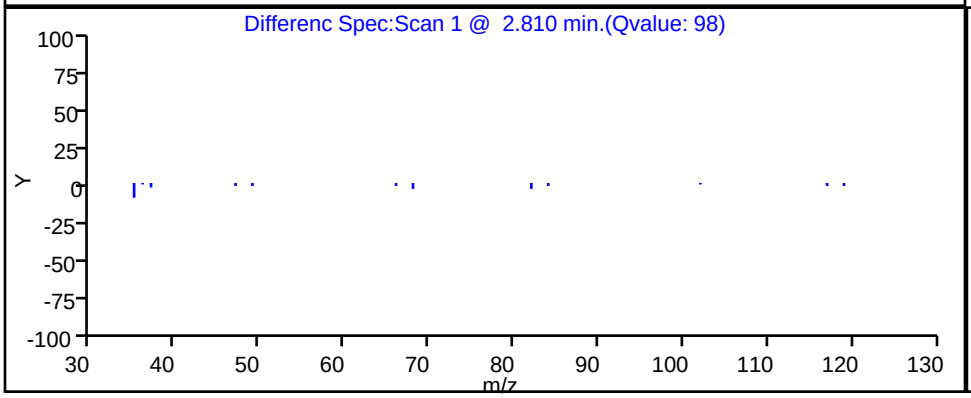


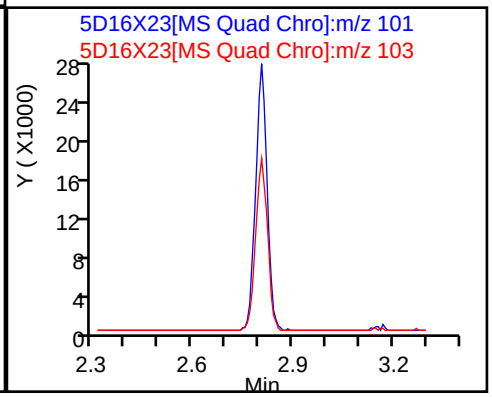












Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

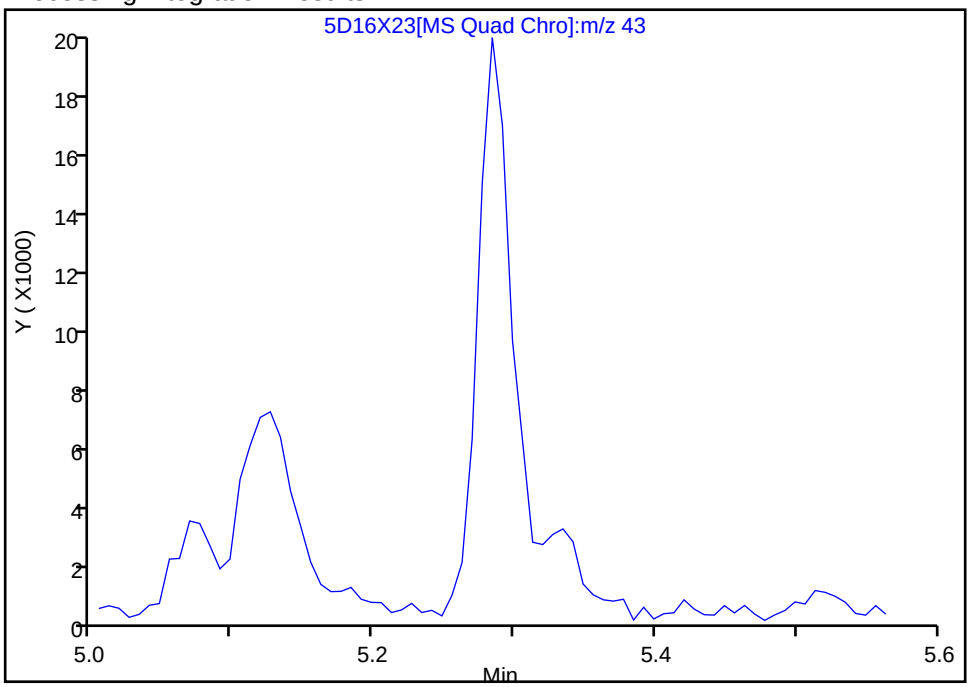
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

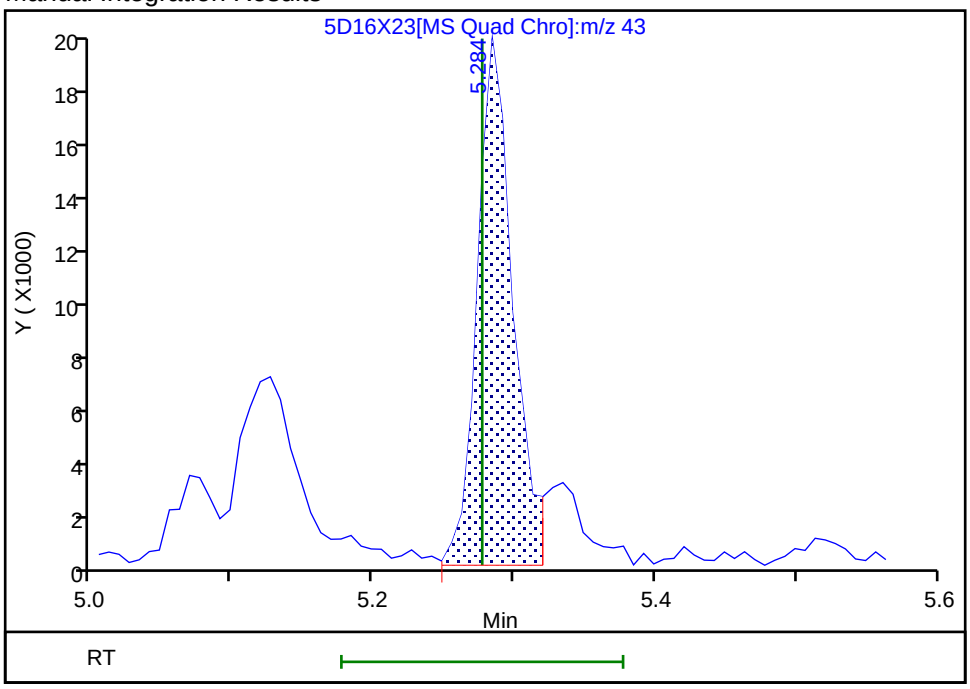
Not Detected
Expected RT: 5.28

Processing Integration Results



Manual Integration Results

RT: 5.28
Area: 32617
Amount: 0.609649
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:03:22
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

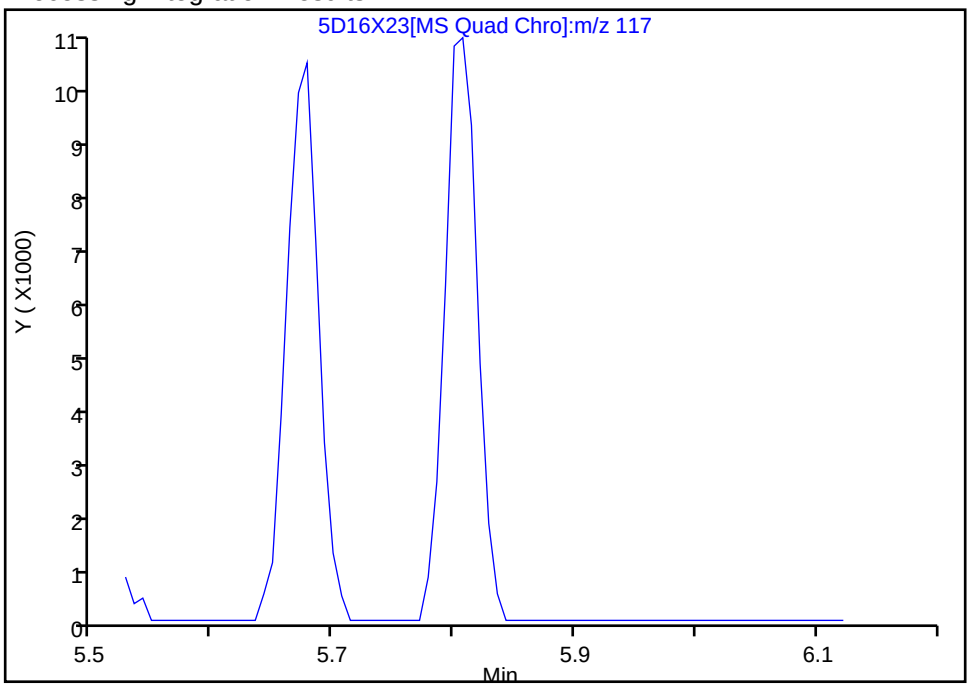
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

43 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

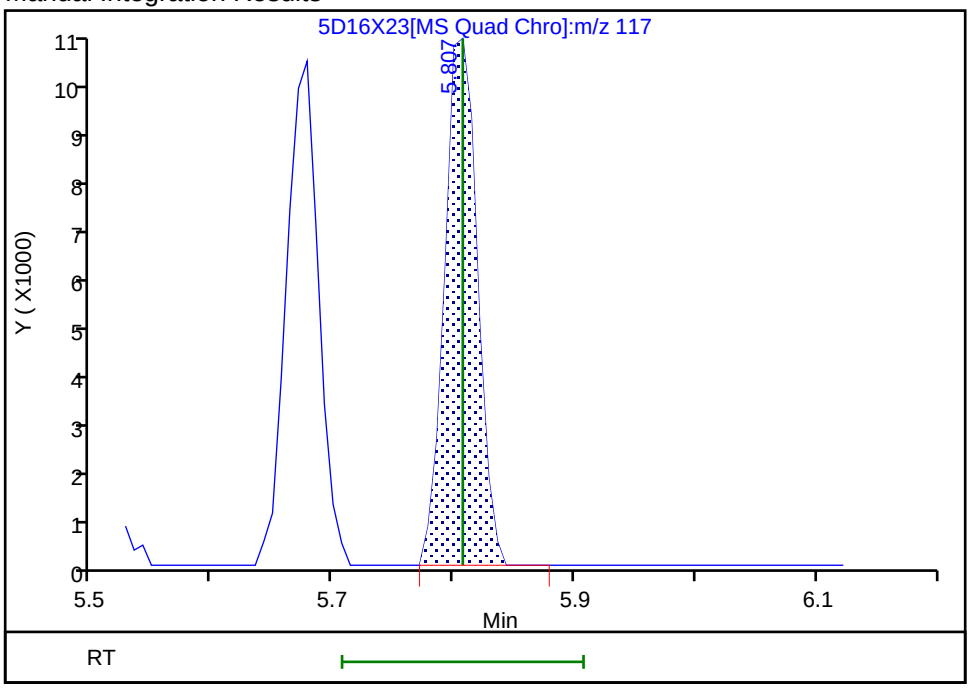
Not Detected
Expected RT: 5.81

Processing Integration Results



Manual Integration Results

RT: 5.81
Area: 20486
Amount: 0.192199
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:03:31
Audit Action: Manually Integrated Audit Reason: Split Peak

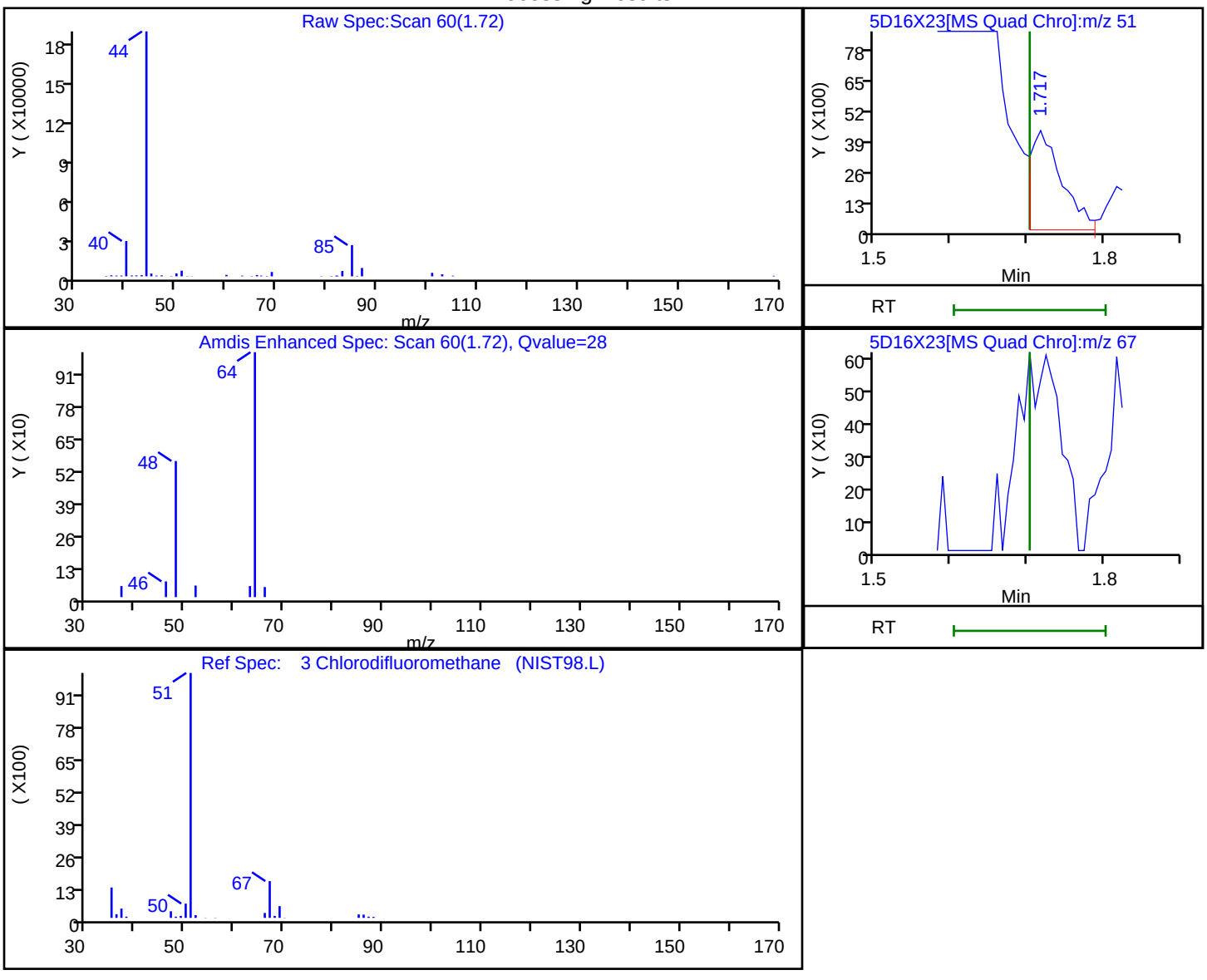
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
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		

3 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
1.72	51.00	11508	0.203394
1.70	67.00	0	

Reviewer: proctore, 17-Dec-2021 22:01:32

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

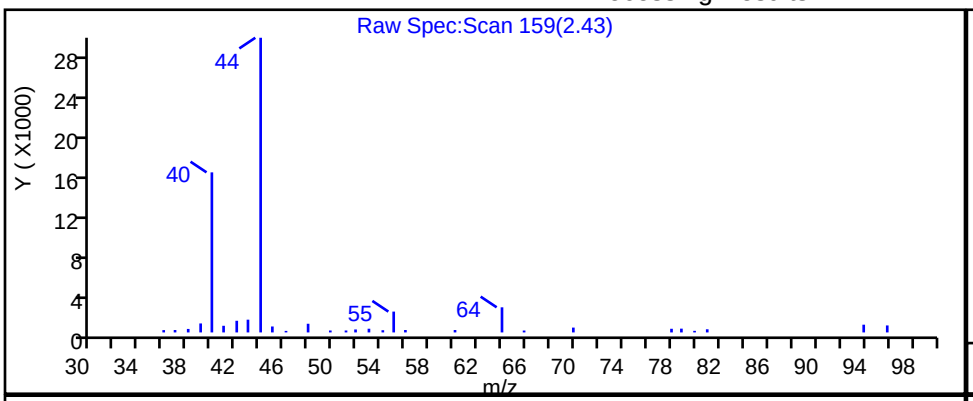
User Disabled Compound Report

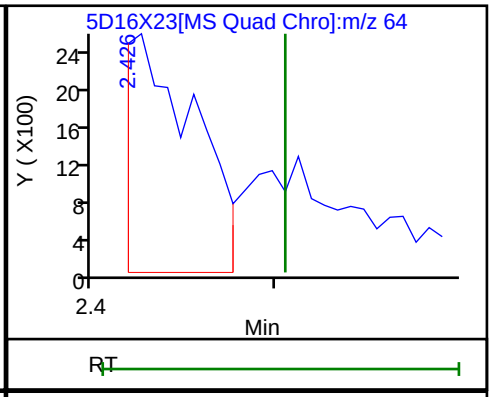
Eurofins Lancaster Laboratories Env, LLC

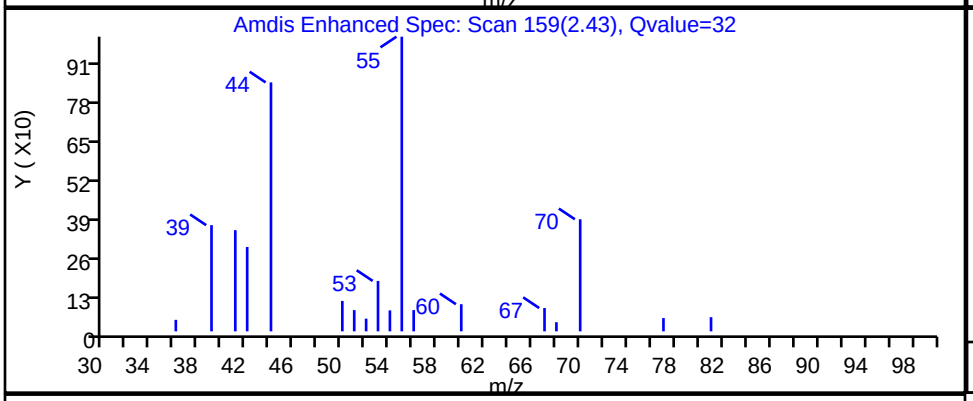
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

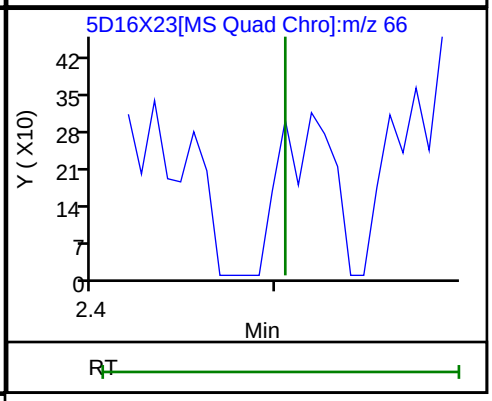
9 Chloroethane, CAS: 75-00-3

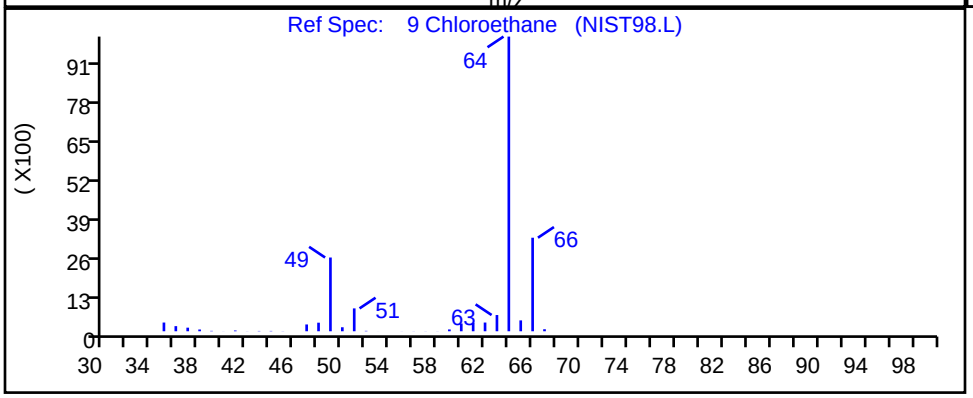
Processing Results











RT	Mass	Response	Amount
2.43	64.00	6061	0.233444
2.50	66.00	0	

Reviewer: proctore, 17-Dec-2021 22:02:21

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

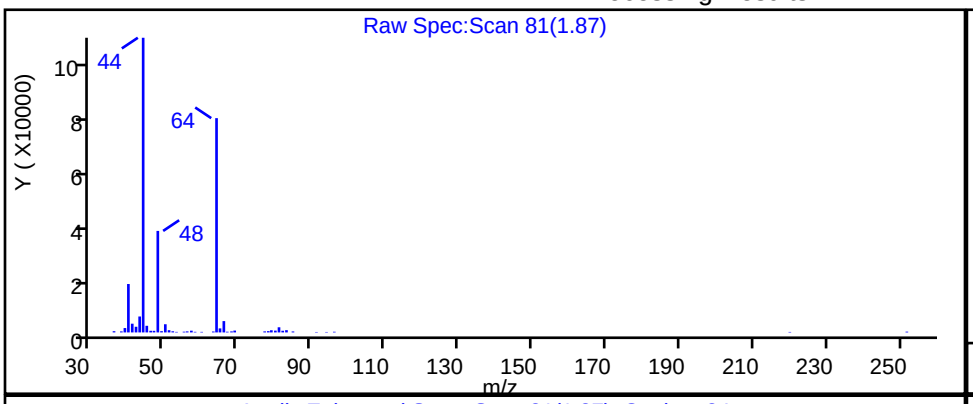
User Disabled Compound Report

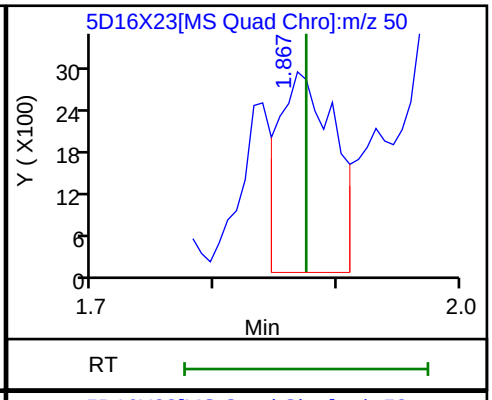
Eurofins Lancaster Laboratories Env, LLC

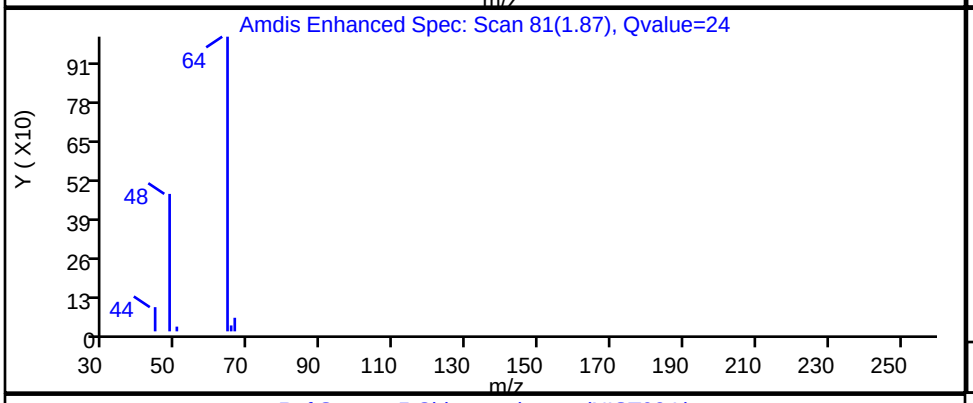
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

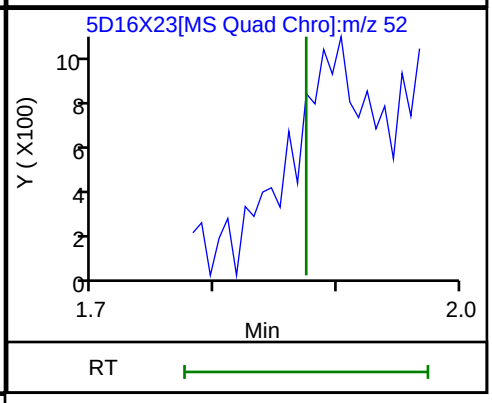
5 Chloromethane, CAS: 74-87-3

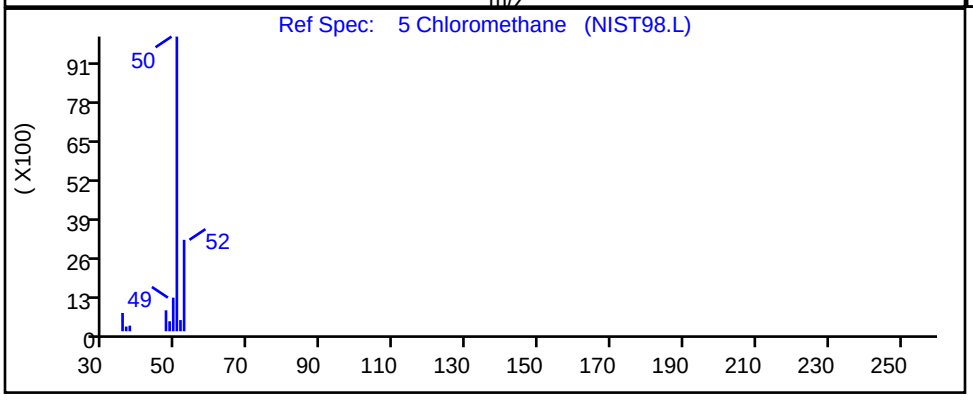
Processing Results











RT	Mass	Response	Amount
1.87	50.00	8872	0.315278
1.87	52.00	0	

Reviewer: proctore, 17-Dec-2021 22:02:13

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

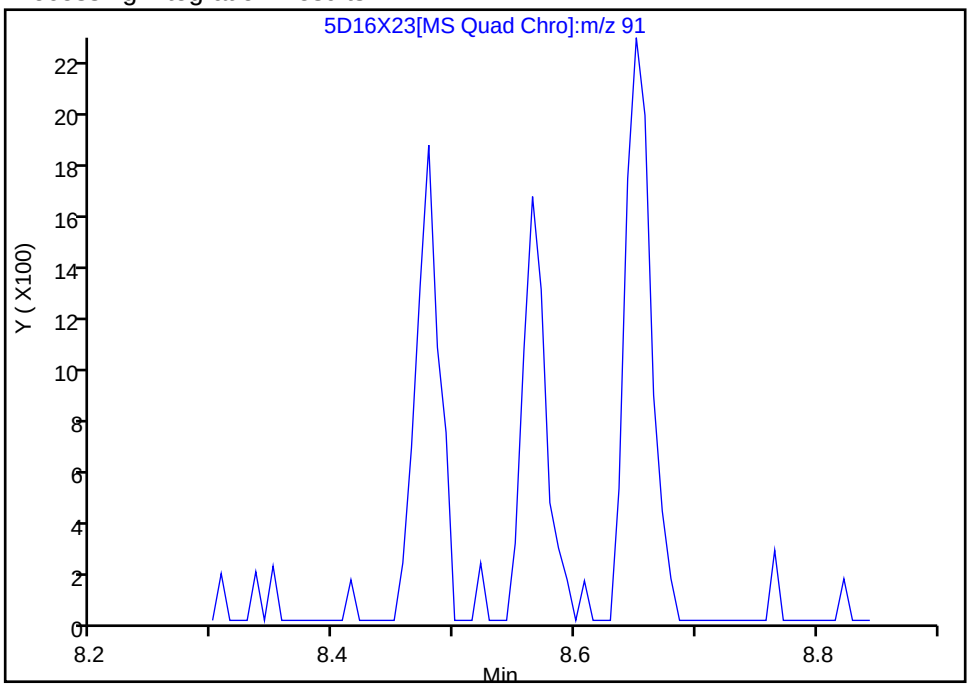
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

71 Ethylbenzene, CAS: 100-41-4

Signal: 1

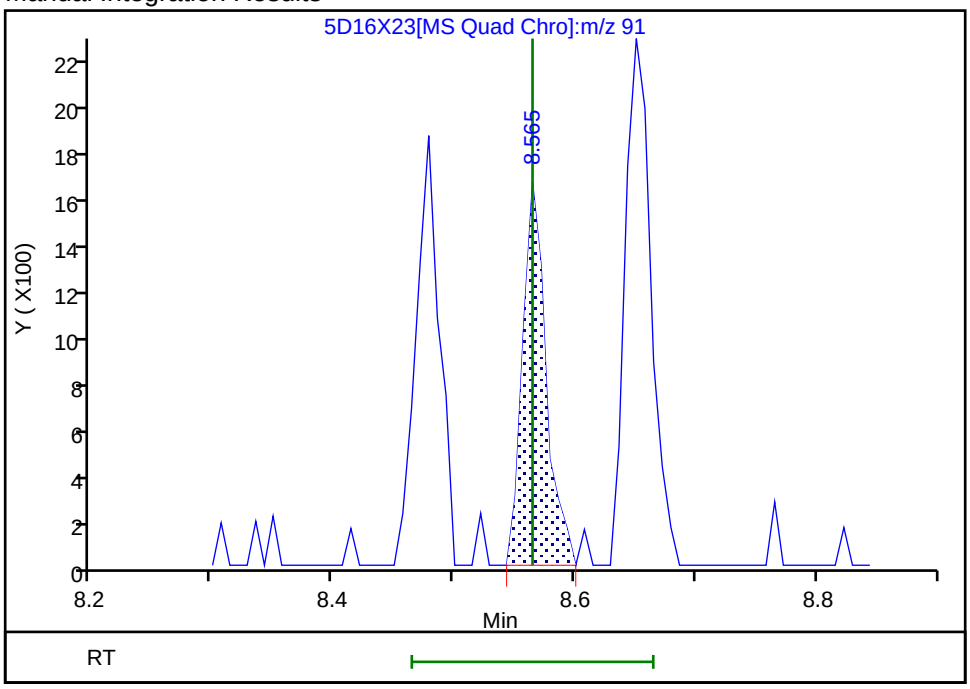
Not Detected
Expected RT: 8.56

Processing Integration Results



Manual Integration Results

RT: 8.56
Area: 2212
Amount: 0.011574
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:03:51
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

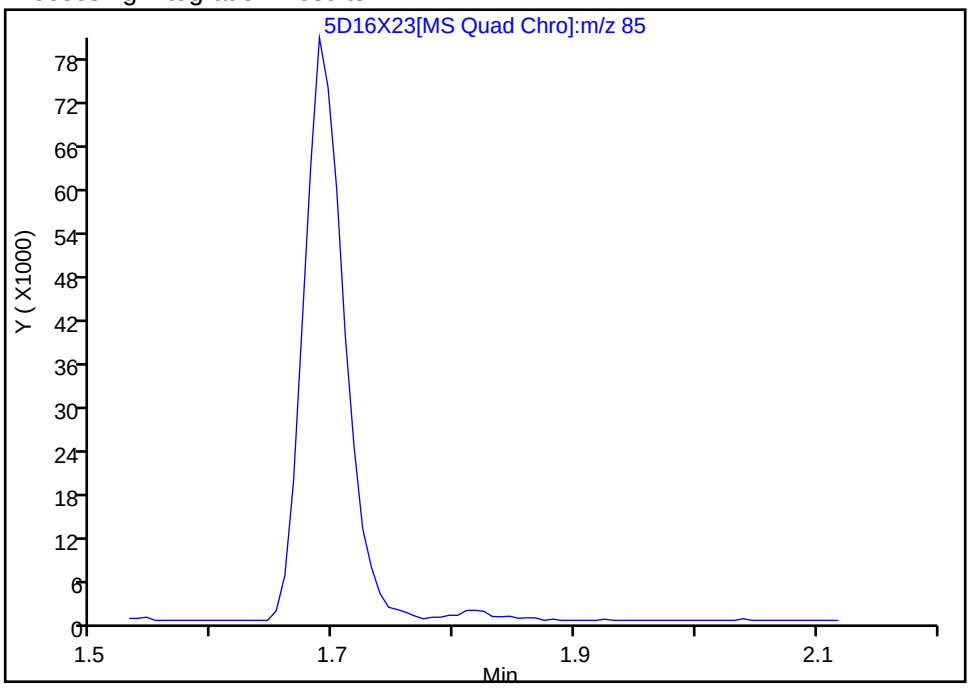
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

4 1,2-Dichloro-1,1,2,2-tetrafluoro, CAS: 76-14-2

Signal: 1

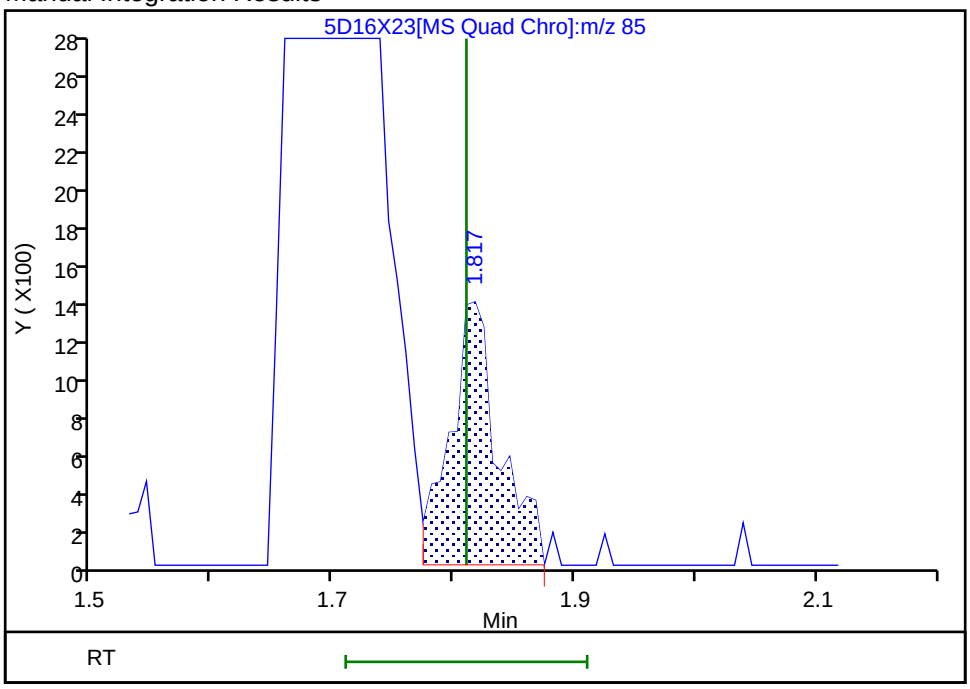
Not Detected
Expected RT: 1.81

Processing Integration Results



Manual Integration Results

RT: 1.82
Area: 3842
Amount: 0.029850
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:02:08
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

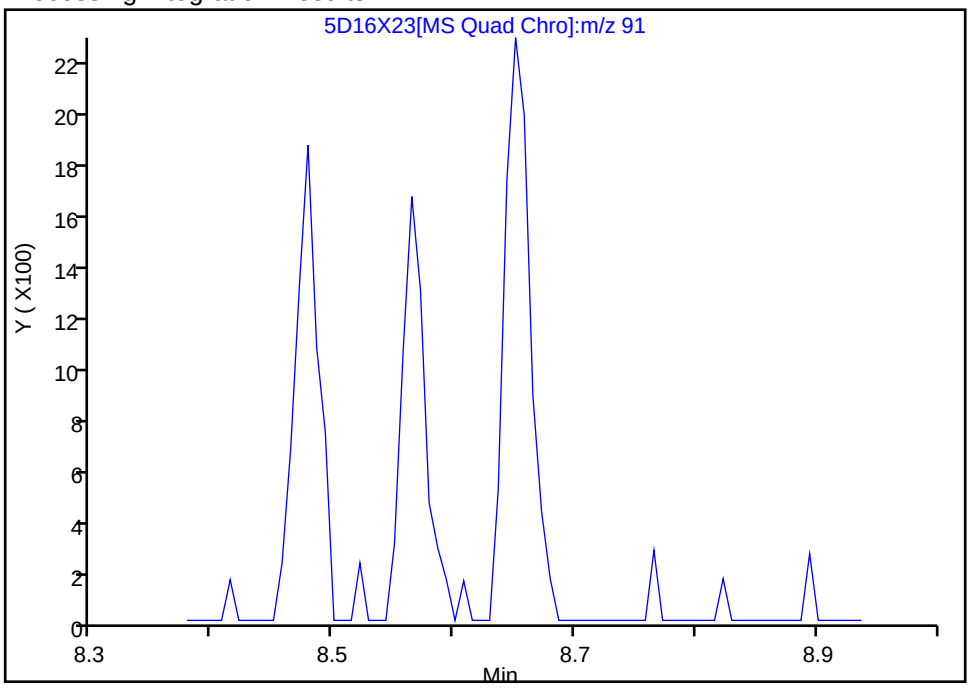
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

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

Signal: 1

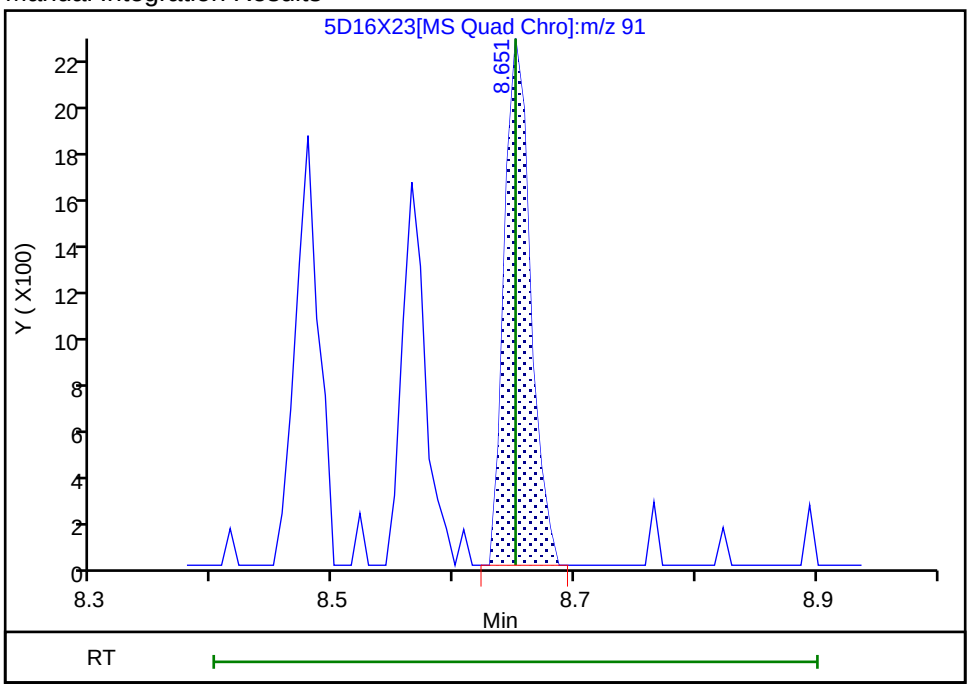
Not Detected
Expected RT: 8.65

Processing Integration Results



Manual Integration Results

RT: 8.65
Area: 3385
Amount: 0.023275
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:03:58
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

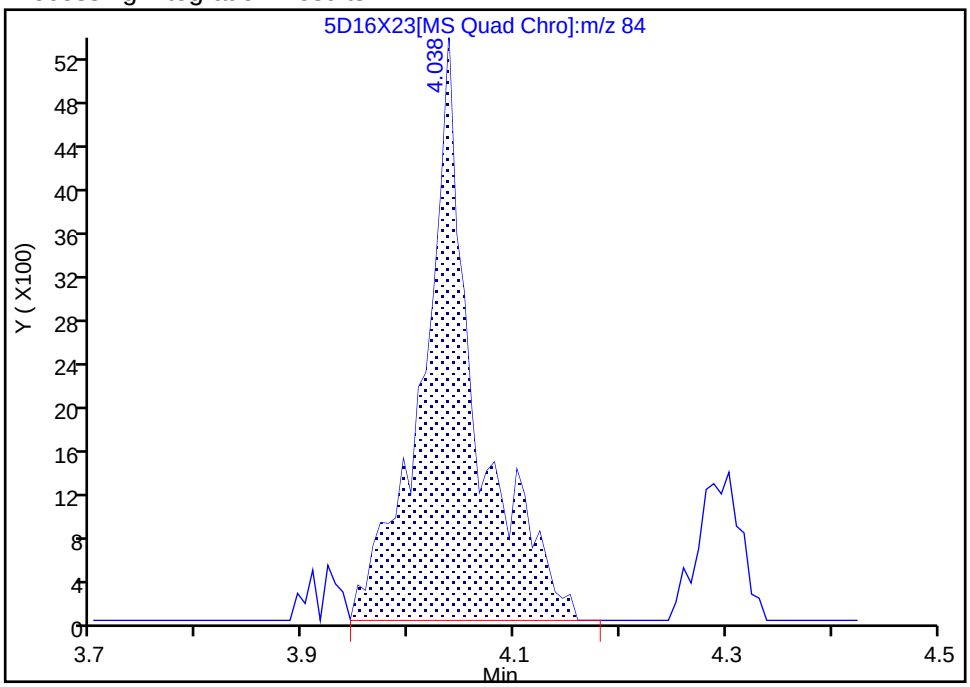
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X23.D				
Injection Date:	17-Dec-2021 05:04:19	Instrument ID:	HP22820		
Lims ID:	410-66301-A-1	Lab Sample ID:	410-66301-1		
Client ID:	SV-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

24 Methylene Chloride, CAS: 75-09-2

Signal: 1

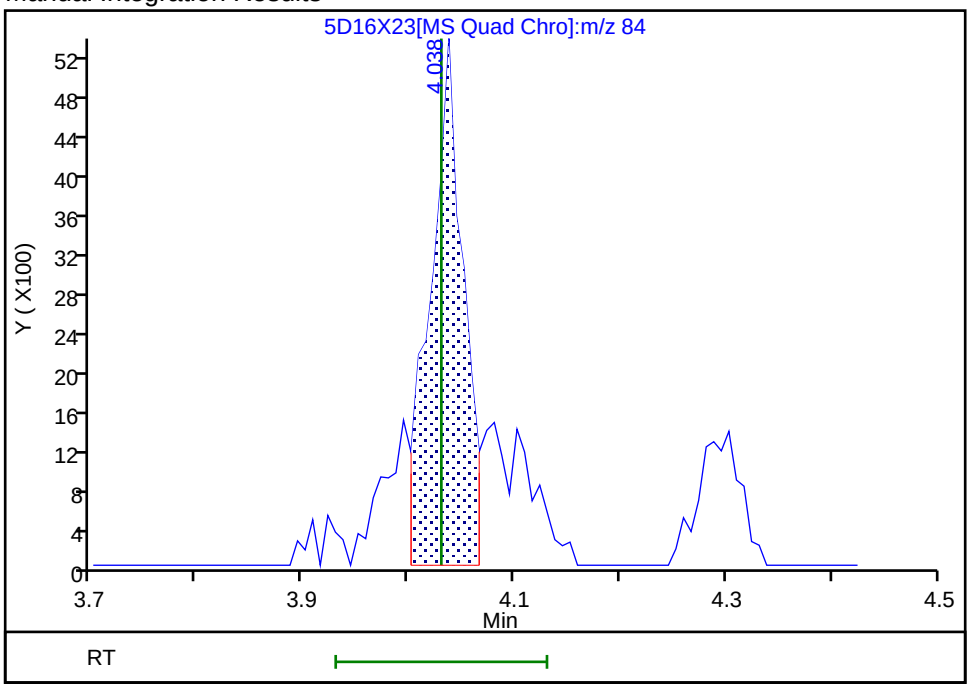
Processing Integration Results

RT: 4.04
Area: 18602
Amount: 0.445696
Amount Units: ppb v/v



Manual Integration Results

RT: 4.04
Area: 11444
Amount: 0.274193
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:02:47

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Client Sample ID: IA-1-20211208 Lab Sample ID: 410-66301-2

Matrix: Air Lab File ID: 5D16X25.D

Analysis Method: TO-15 Date Collected: 12/08/2021 12:03

Sample wt/vol: 200(mL) Date Analyzed: 12/17/2021 05:54

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 206378 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		6.9	1.0
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.65
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.9	1.0
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.65
75-34-3	1,1-Dichloroethane	ND		4.0	0.36
75-35-4	1,1-Dichloroethene	ND		4.0	0.56
96-18-4	1,2,3-Trichloropropane	ND		6.0	0.84
95-63-6	1,2,4-Trimethylbenzene	2.5	J	9.8	1.4
106-93-4	1,2-Dibromoethane	ND		7.7	1.0
95-50-1	1,2-Dichlorobenzene	ND		6.0	1.2
107-06-2	1,2-Dichloroethane	0.53	J	4.0	0.32
78-87-5	1,2-Dichloropropane	ND		4.6	0.60
108-67-8	1,3,5-Trimethylbenzene	ND		9.8	1.6
106-99-0	1,3-Butadiene	ND		2.2	0.38
541-73-1	1,3-Dichlorobenzene	ND		6.0	1.8
106-46-7	1,4-Dichlorobenzene	ND		6.0	1.8
78-93-3	2-Butanone	2.6	J	2.9	0.62
591-78-6	2-Hexanone	ND		4.1	0.74
107-05-1	3-Chloroprene	ND		3.1	0.63
622-96-8	4-Ethyltoluene	1.6	J	4.9	0.88
108-10-1	4-Methyl-2-pentanone	ND		4.1	0.61
67-64-1	Acetone	16		12	1.3
71-43-2	Benzene	8.6		3.2	0.35
108-86-1	Bromobenzene	ND		6.4	1.3
75-27-4	Bromodichloromethane	ND		6.7	0.80
75-25-2	Bromoform	ND		10	1.8
74-83-9	Bromomethane	ND		3.9	0.78
75-15-0	Carbon disulfide	ND		3.1	0.40
56-23-5	Carbon tetrachloride	ND		6.3	0.88
108-90-7	Chlorobenzene	ND		4.6	0.60
75-45-6	Chlorodifluoromethane	1.6	J	3.5	0.53
75-00-3	Chloroethane	ND		2.6	0.79
67-66-3	Chloroform	ND		4.9	0.45
74-87-3	Chloromethane	0.62	J	2.1	0.50
156-59-2	cis-1,2-Dichloroethene	ND		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	ND		4.5	0.45

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Client Sample ID: IA-1-20211208 Lab Sample ID: 410-66301-2

Matrix: Air Lab File ID: 5D16X25.D

Analysis Method: TO-15 Date Collected: 12/08/2021 12:03

Sample wt/vol: 200(mL) Date Analyzed: 12/17/2021 05:54

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 206378 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Cumene	ND		4.9	1.2
124-48-1	Dibromochloromethane	ND		8.5	1.1
74-95-3	Dibromomethane	ND		7.1	1.0
75-71-8	Dichlorodifluoromethane	2.6	J	4.9	0.64
75-43-4	Dichlorofluoromethane	ND		4.2	0.46
100-41-4	Ethylbenzene	9.1		4.3	0.83
76-13-1	Freon 113	ND		7.7	1.5
76-14-2	Freon-114	ND		7.0	0.84
142-82-5	Heptane	13		4.1	0.94
67-72-1	Hexachloroethane	ND		19	2.6
110-54-3	Hexane	25		3.5	1.1
540-84-1	Isooctane	56		4.7	0.93
179601-23-1	m&p-Xylene	33		4.3	1.1
1634-04-4	Methyl t-butyl ether	ND		3.6	0.54
75-09-2	Methylene Chloride	2.9	J	6.9	0.87
95-47-6	o-Xylene	9.3		4.3	0.83
111-65-9	Octane	5.9	J	9.3	1.9
109-66-0	Pentane	39		3.0	0.59
100-42-5	Styrene	ND		4.3	0.85
127-18-4	Tetrachloroethene	ND		14	1.7
108-88-3	Toluene	51		3.8	0.45
156-60-5	trans-1,2-Dichloroethene	ND		4.0	0.79
10061-02-6	trans-1,3-Dichloropropene	ND		4.5	0.54
79-01-6	Trichloroethene	ND		5.4	0.97
75-69-4	Trichlorofluoromethane	1.4	J	5.6	0.84
75-01-4	Vinyl chloride	ND		2.6	0.31

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D
Lims ID: 410-66301-A-2
Client ID: IA-1-20211208
Sample Type: Client
Inject. Date: 17-Dec-2021 05:54:59 ALS Bottle#: 0 Worklist Smp#: 25
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 66301-2
Misc. Info.: 410-0046560-025
Operator ID: etp33087 Instrument ID: HP22820

Method: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 17-Dec-2021 22:13:30 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1636

First Level Reviewer: proctore Date: 17-Dec-2021 22:08:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	1.688	1.681	0.007	99	63048	0.5344	
3 Chlorodifluoromethane	51	1.717	1.695	0.014	95	25744	0.4663	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.810	1.812	0.000	1	2937	0.0234	7M
5 Chloromethane	50	1.875	1.875	0.000	29	8298	0.3022	M
12 Trichlorofluoromethane	101	2.806	2.799	0.007	98	32222	0.2483	
13 Pentane	43	2.906	2.906	0.000	94	671501	13.2	
18 Acetone	43	3.558	3.551	0.007	100	323816	6.75	
20 Carbon disulfide	76	3.687	3.684	0.007	95	10842	0.0916	
24 Methylene Chloride	84	4.038	4.038	0.007	31	33855	0.8312	
29 Hexane	56	4.575	4.567	0.014	91	195909	7.11	
35 2-Butanone (MEK)	43	5.284	5.284	0.007	97	45273	0.8671	M
* 38 Chlorobromomethane (IS)	130	5.470	5.463	0.007	84	221357	10.0	
40 Chloroform	83	5.535	5.535	0.007	64	9009	0.0906	
43 Carbon tetrachloride	117	5.807	5.807	0.000	90	8687	0.0835	
44 Benzene	78	5.979	5.979	0.000	94	379537	2.70	
45 1,2-Dichloroethane	62	5.986	6.007	-0.014	39	7701	0.1319	
46 Isooctane	57	6.029	6.036	0.000	95	1784473	12.0	
48 n-Heptane	71	6.165	6.172	0.000	85	130361	3.16	
* 49 1,4-Difluorobenzene	114	6.287	6.280	0.007	93	977706	10.0	
59 Toluene	91	7.447	7.455	0.000	99	2308753	13.5	
60 n-Octane	43	7.498	7.505	-0.007	74	97708	1.27	
64 Tetrachloroethene	166	7.856	7.856	0.000	95	15097	0.1391	
65 2-Hexanone	43	7.927	7.927	0.000	82	8592	0.1602	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	83	1080330	10.0	
71 Ethylbenzene	91	8.565	8.572	0.000	97	422092	2.09	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	97	1179950	7.68	
73 o-Xylene	91	8.952	8.952	0.000	96	314654	2.13	
74 Styrene	104	8.952	8.966	-0.014	50	13611	0.1149	
76 Isopropylbenzene	105	9.217	9.224	-0.007	95	33420	0.1593	
81 4-Ethyltoluene	105	9.603	9.618	-0.015	96	71550	0.3232	M
83 1,3,5-Trimethylbenzene	105	9.654	9.661	-0.007	94	44499	0.2338	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
86 1,2,4-Trimethylbenzene	105	9.940	9.947	-0.007	96	88110	0.5045	M

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

AIRIS200 ppb_00087 Amount Added: 10.00 Units: mL Run Reagent

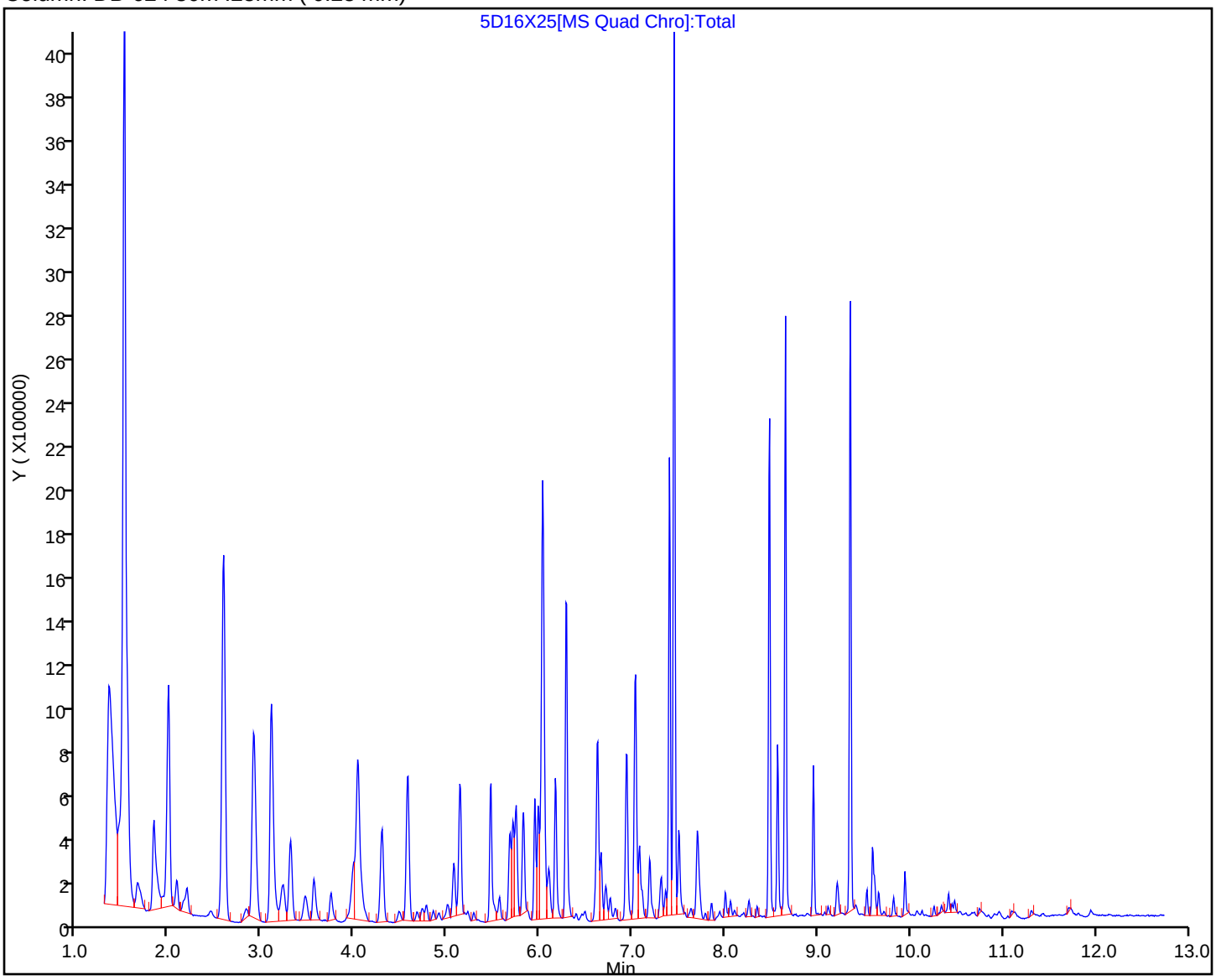
Report Date: 17-Dec-2021 22:13:57 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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)



Report Date: 17-Dec-2021 22:13:58 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date: 17-Dec-2021 05:54:59 Instrument ID: HP22820

Lims ID: 410-66301-A-2 Lab Sample ID: 410-66301-2

Client ID: IA-1-20211208

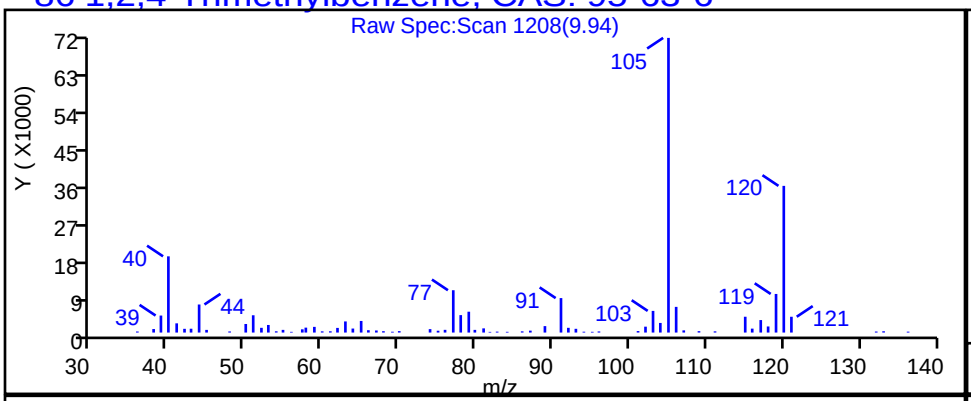
Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 25

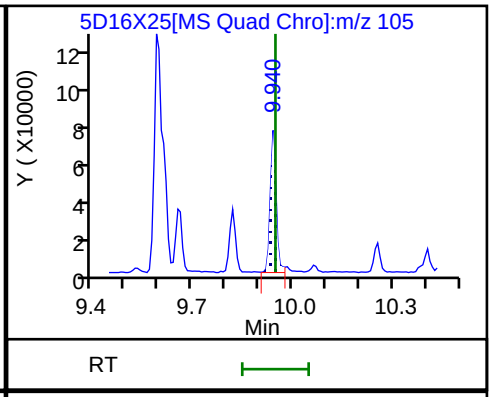
Purge Vol: 200.000 mL Dil. Factor: 1.0000

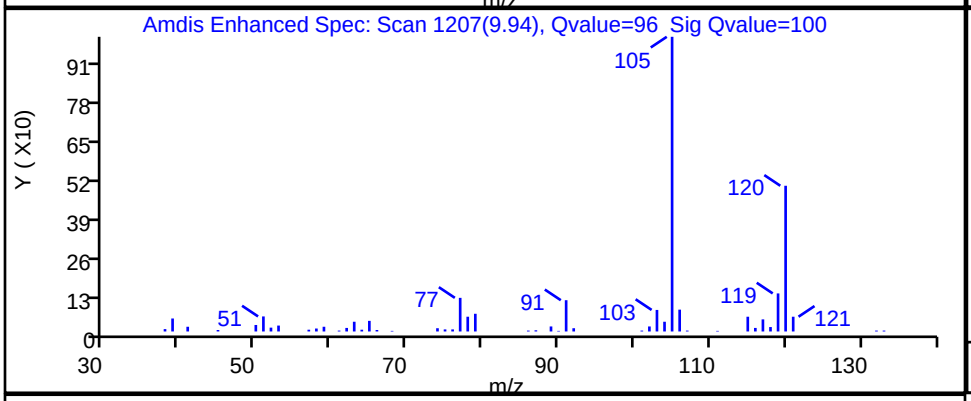
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15

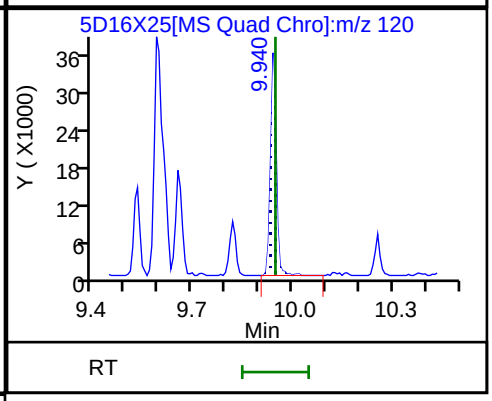
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

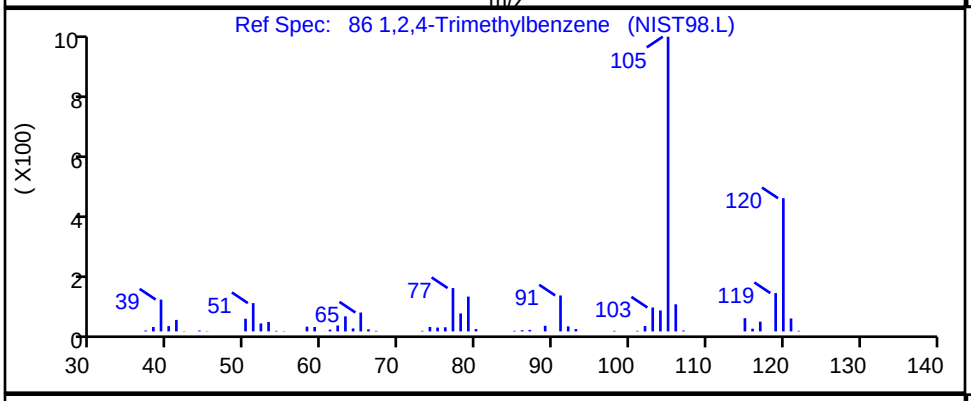
86 1,2,4-Trimethylbenzene, CAS: 95-63-6

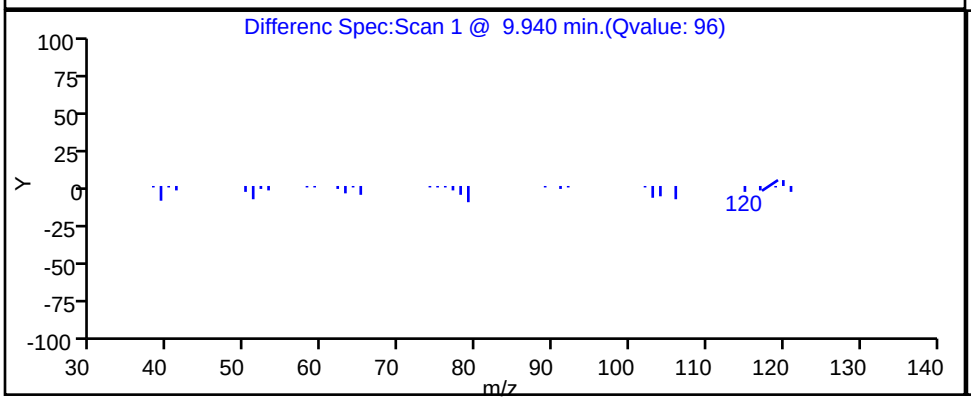


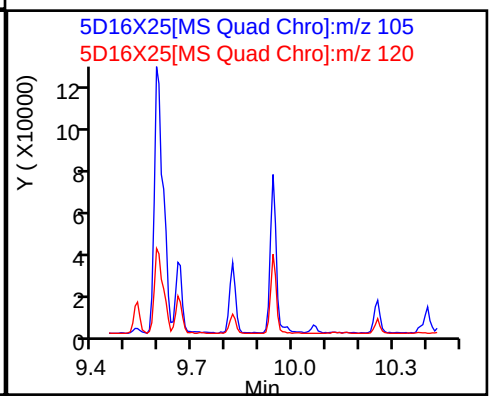








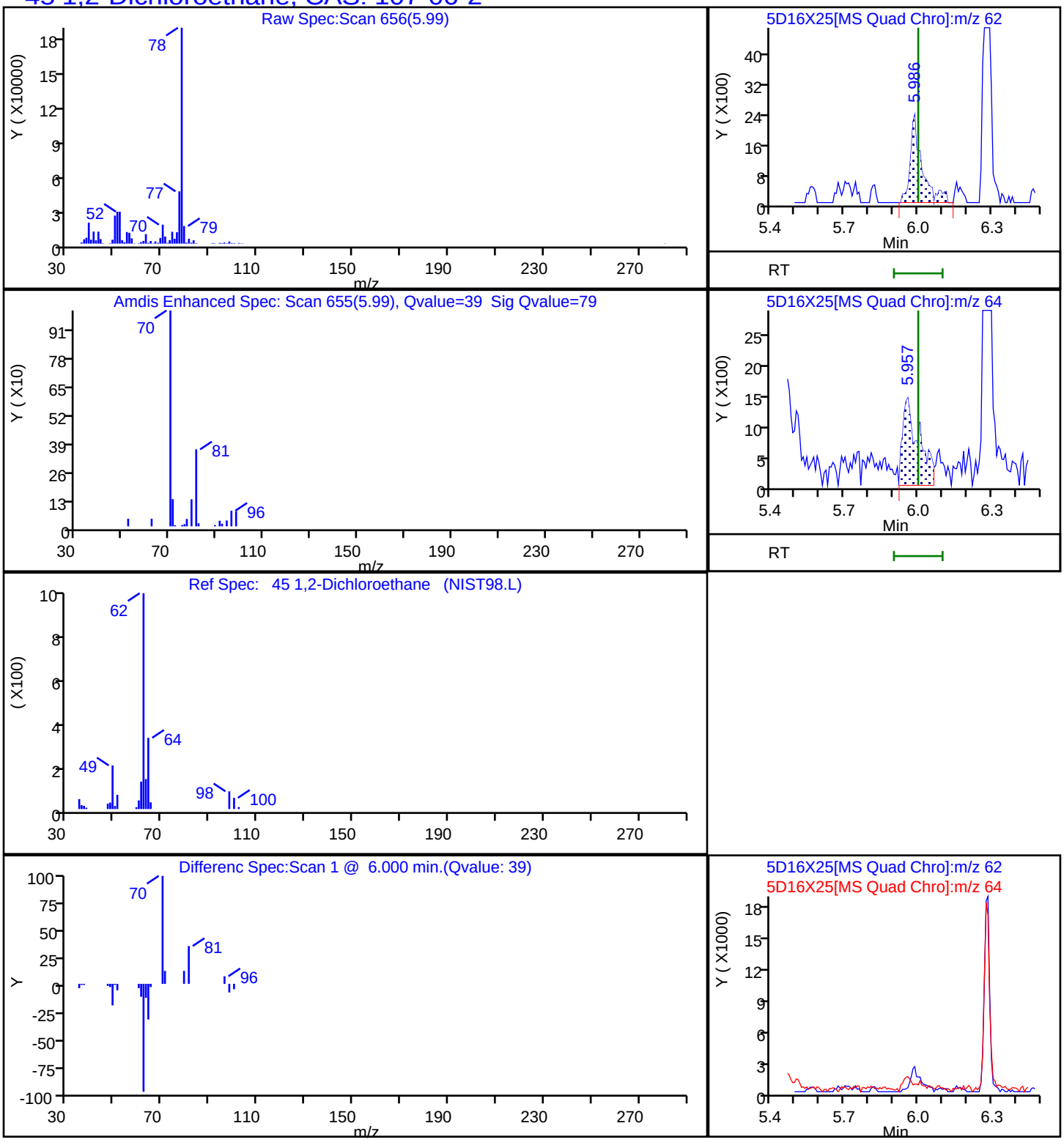




Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

45 1,2-Dichloroethane, CAS: 107-06-2



Report Date: 17-Dec-2021 22:13:57 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date: 17-Dec-2021 05:54:59 Instrument ID: HP22820

Lims ID: 410-66301-A-2 Lab Sample ID: 410-66301-2

Client ID: IA-1-20211208

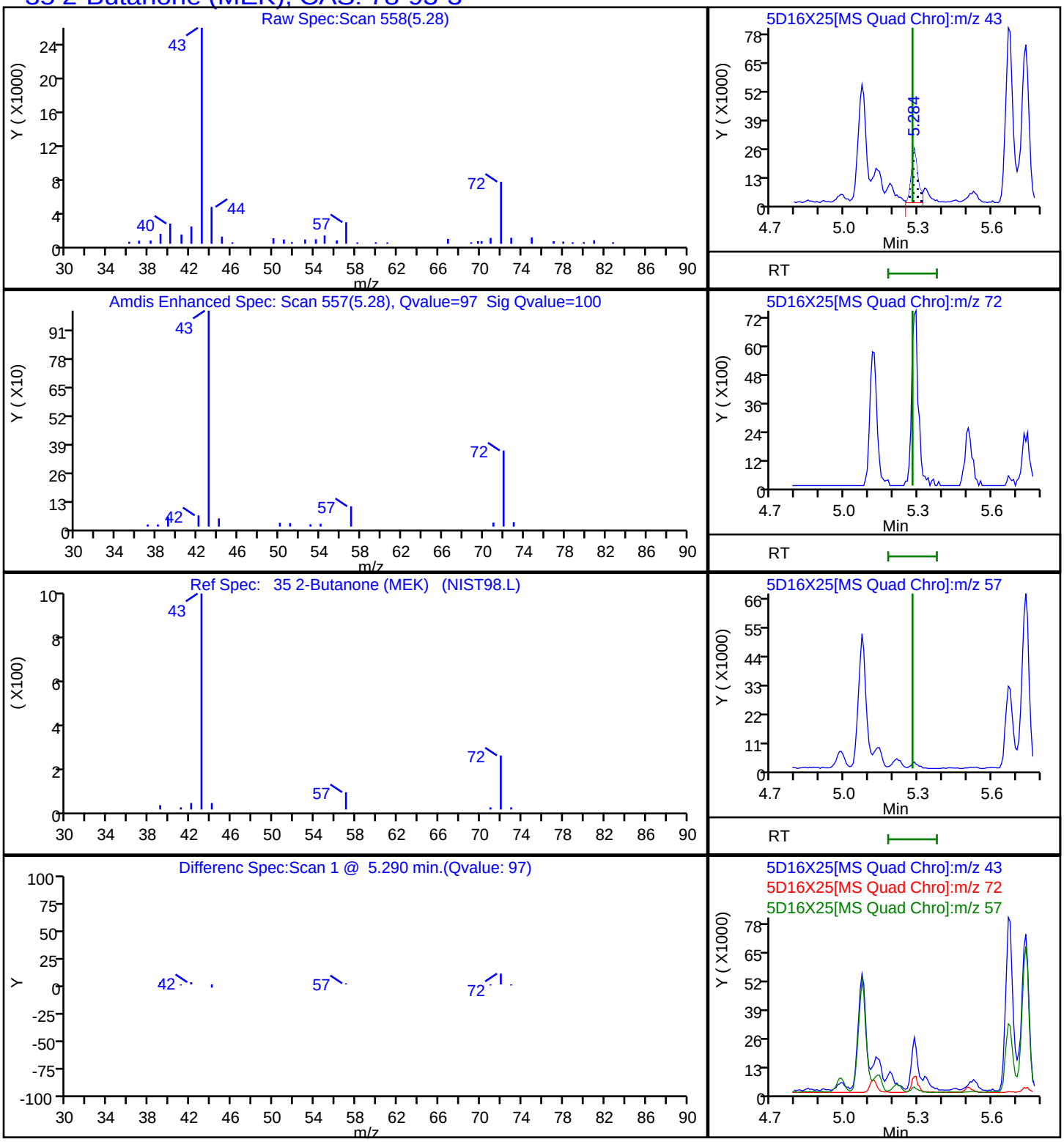
Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 25

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

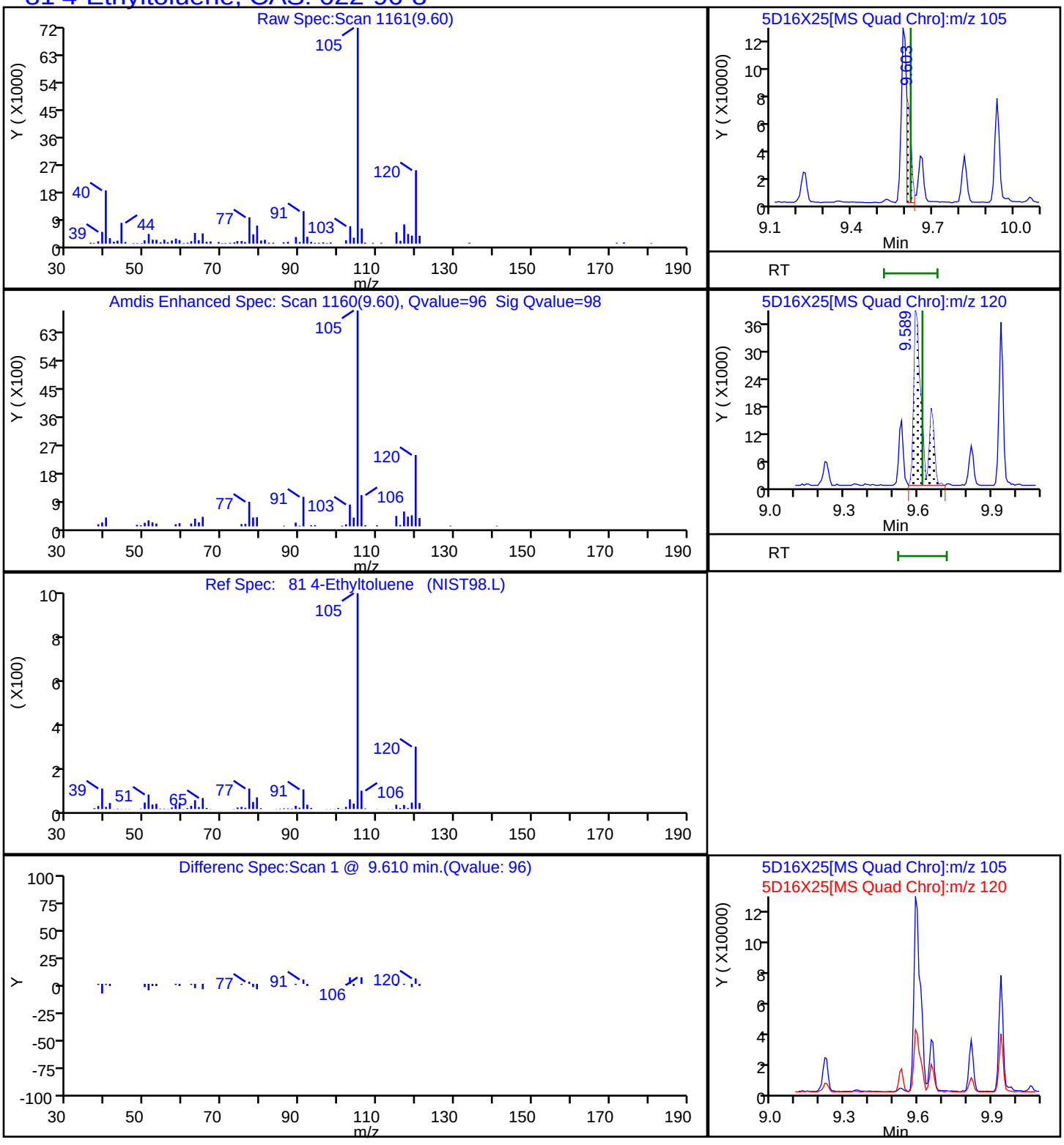
35 2-Butanone (MEK), CAS: 78-93-3



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

81 4-Ethyltoluene, CAS: 622-96-8



Report Date: 17-Dec-2021 22:13:57 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date: 17-Dec-2021 05:54:59 Instrument ID: HP22820

Lims ID: 410-66301-A-2 Lab Sample ID: 410-66301-2

Client ID: IA-1-20211208

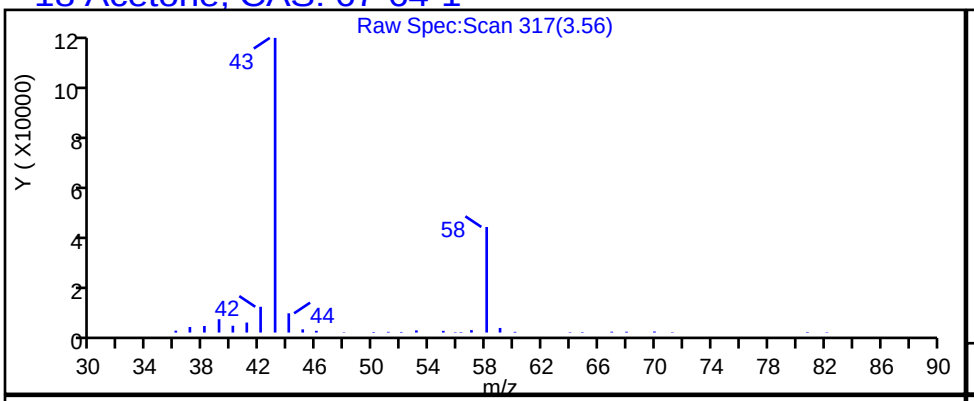
Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 25

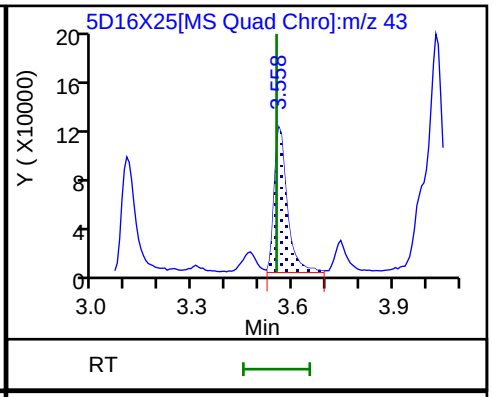
Purge Vol: 200.000 mL Dil. Factor: 1.0000

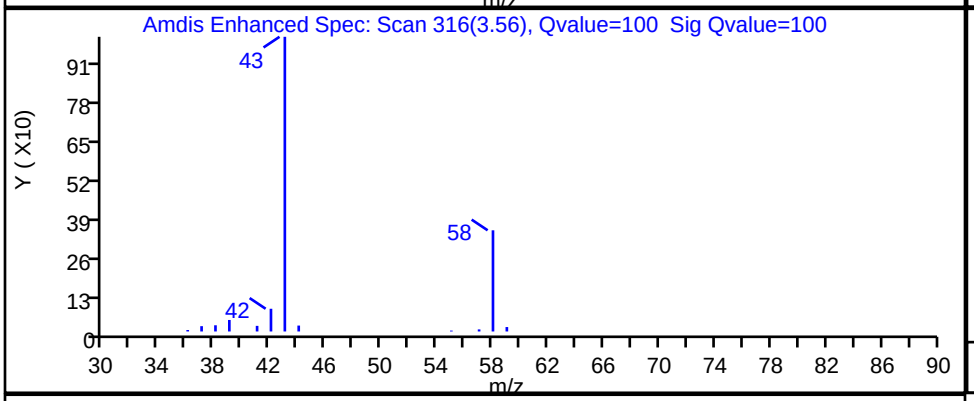
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15

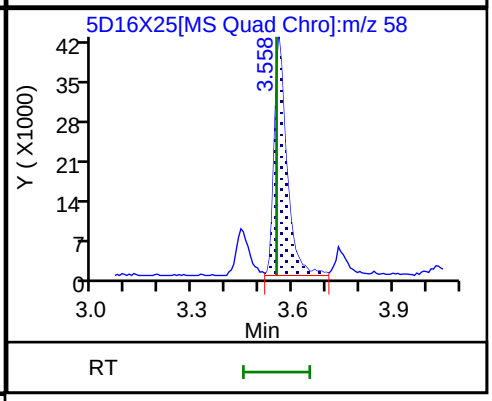
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

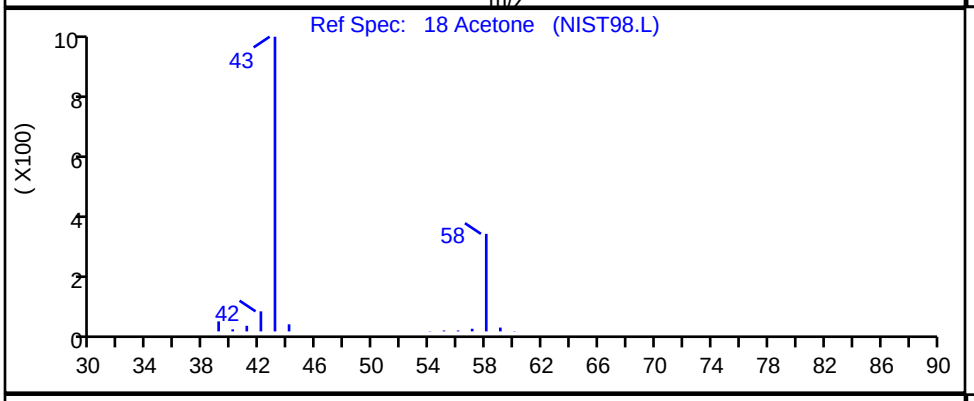
18 Acetone, CAS: 67-64-1

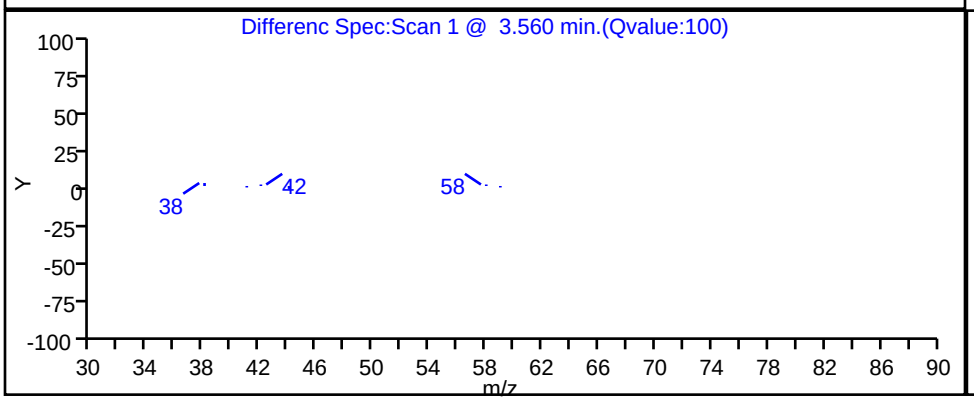


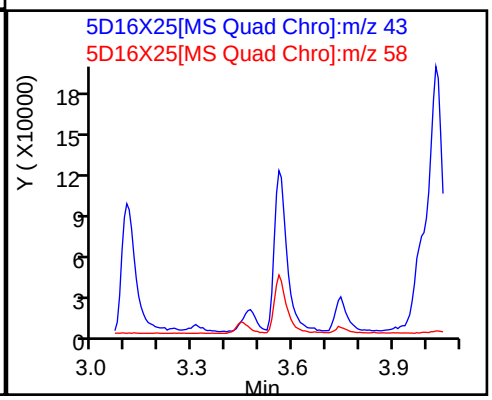












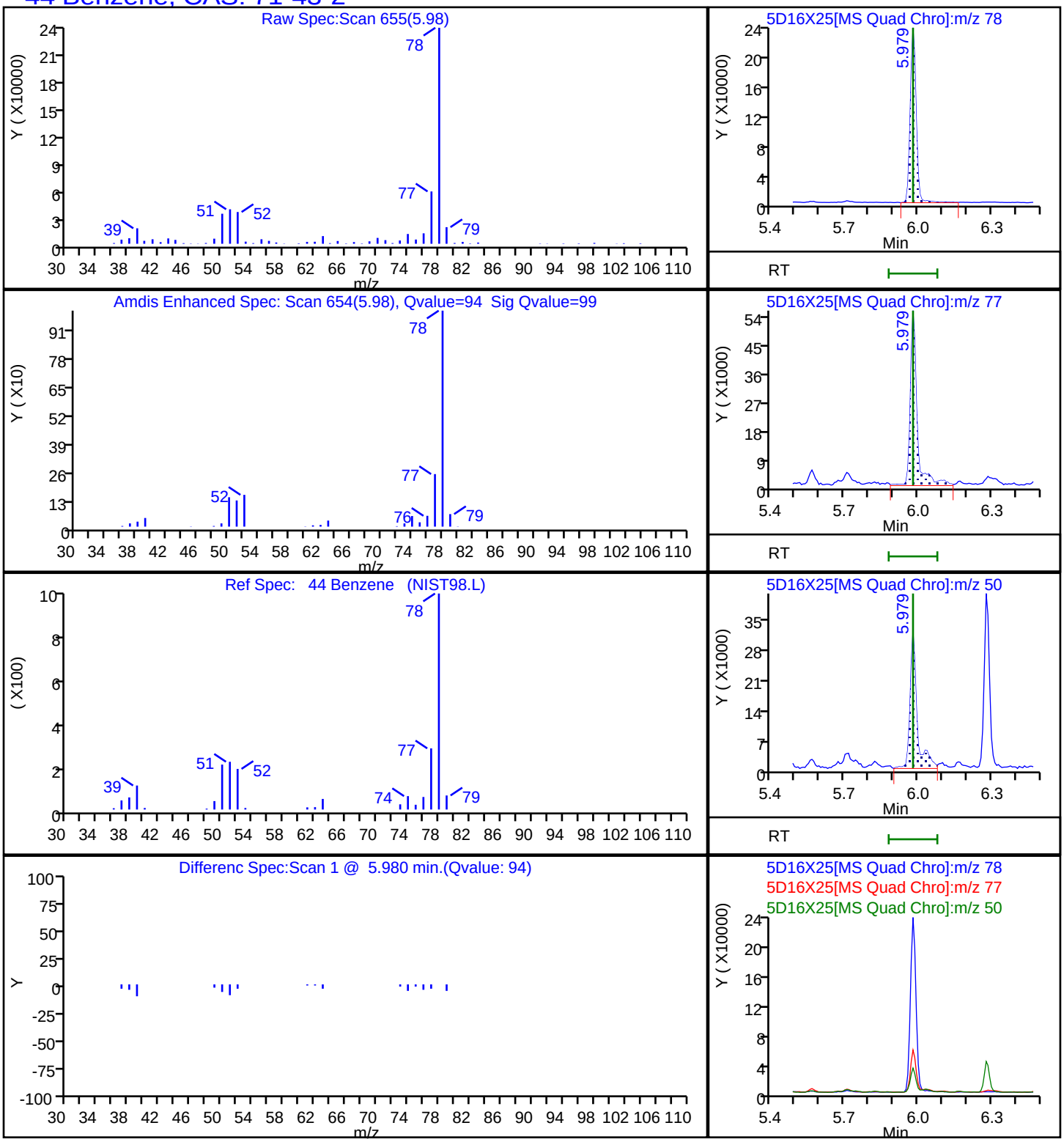
Report Date: 17-Dec-2021 22:13:58 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

44 Benzene, CAS: 71-43-2



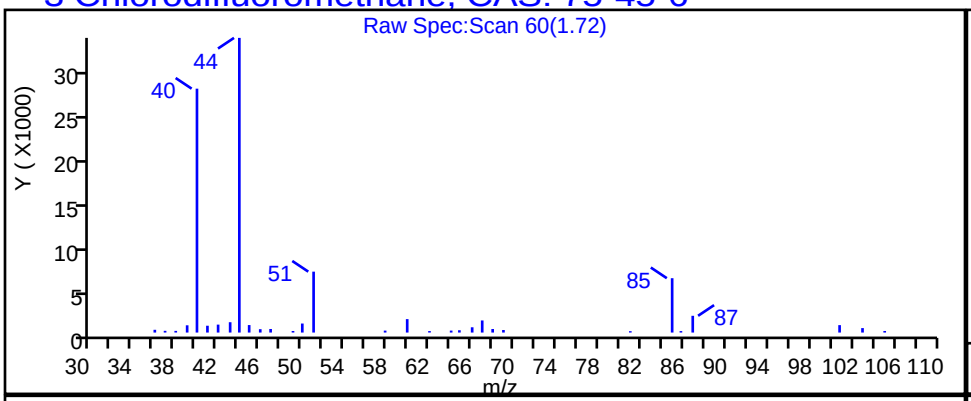
Report Date: 17-Dec-2021 22:13:57 Chrom Revision: 2.3 15-Nov-2021 20:34:30

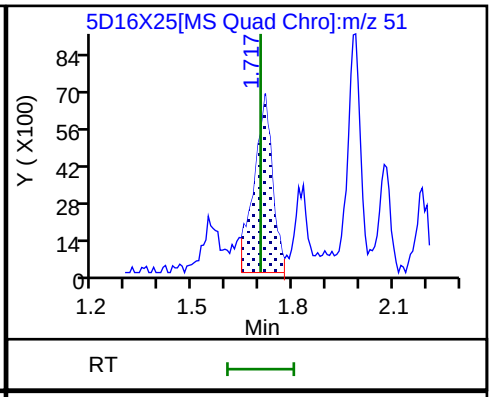
Eurofins Lancaster Laboratories Env, LLC

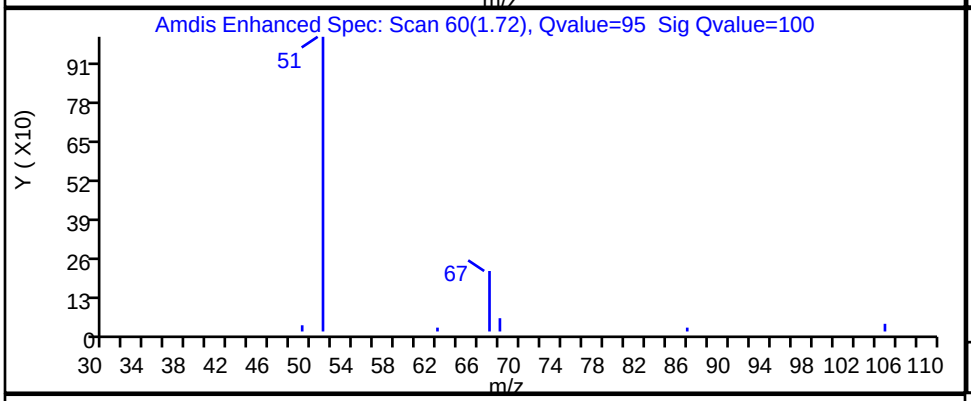
Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

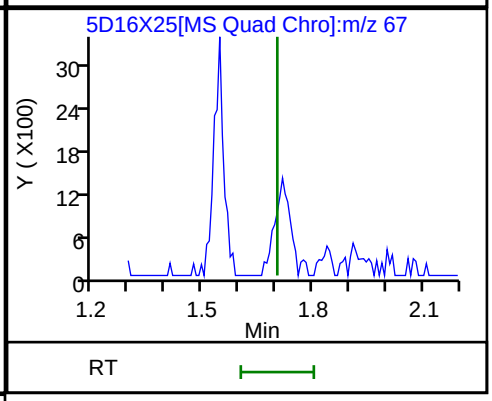
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

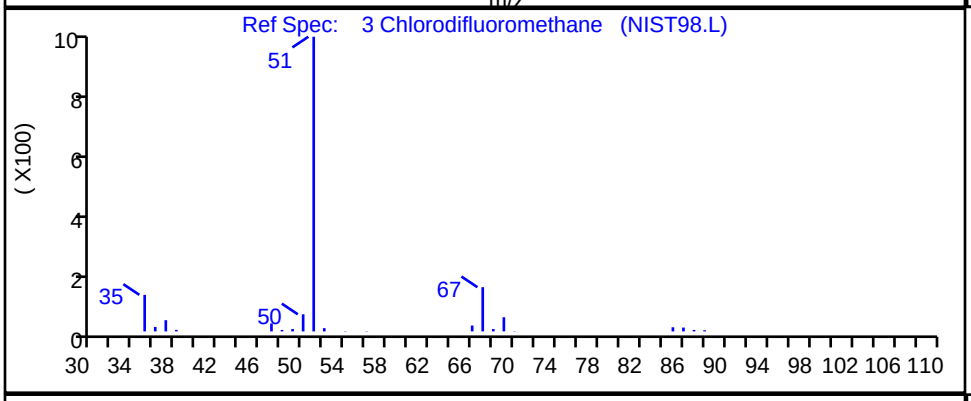
3 Chlorodifluoromethane, CAS: 75-45-6

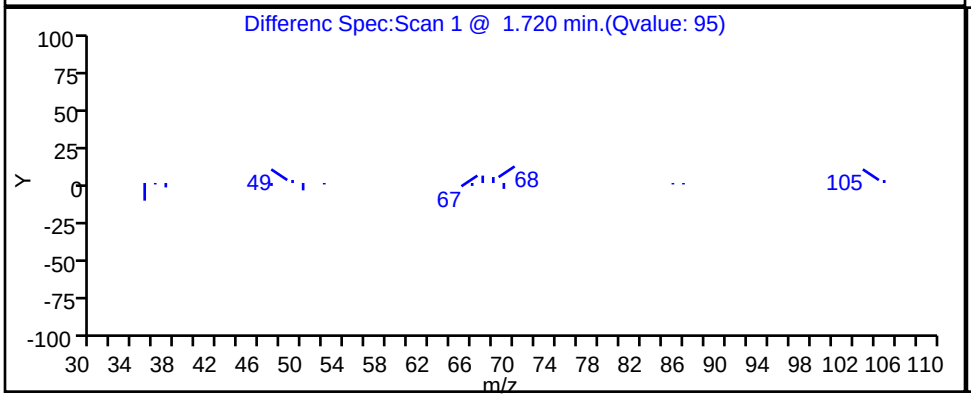


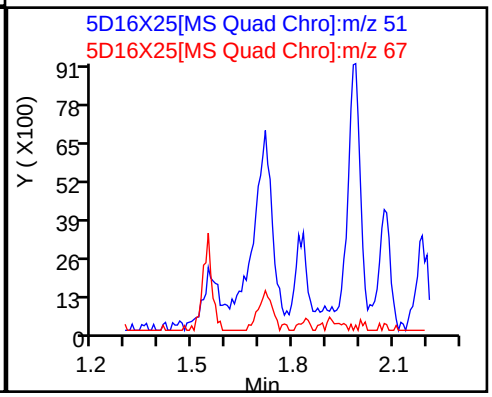












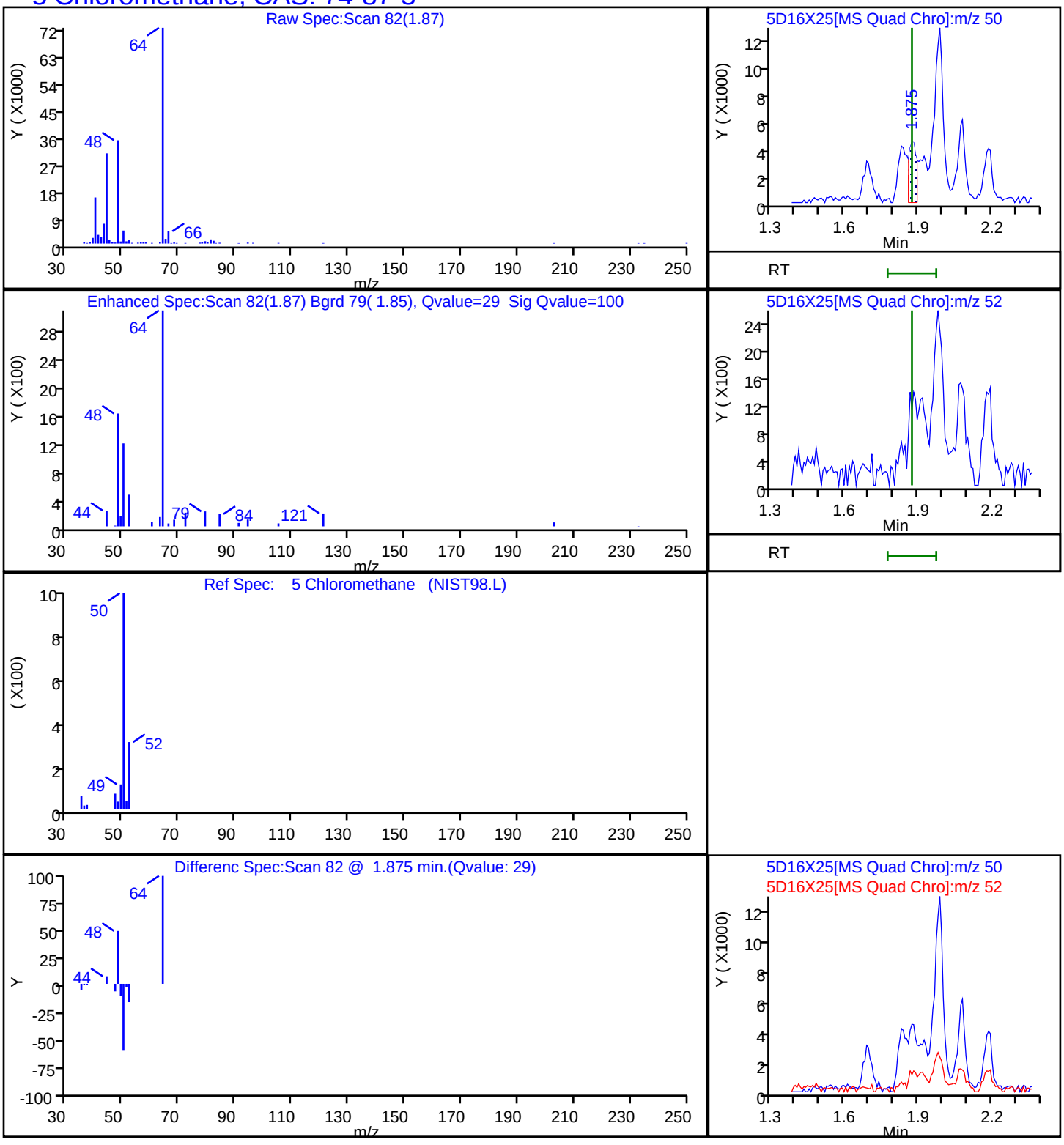
Report Date: 17-Dec-2021 22:13:57 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

5 Chloromethane, CAS: 74-87-3



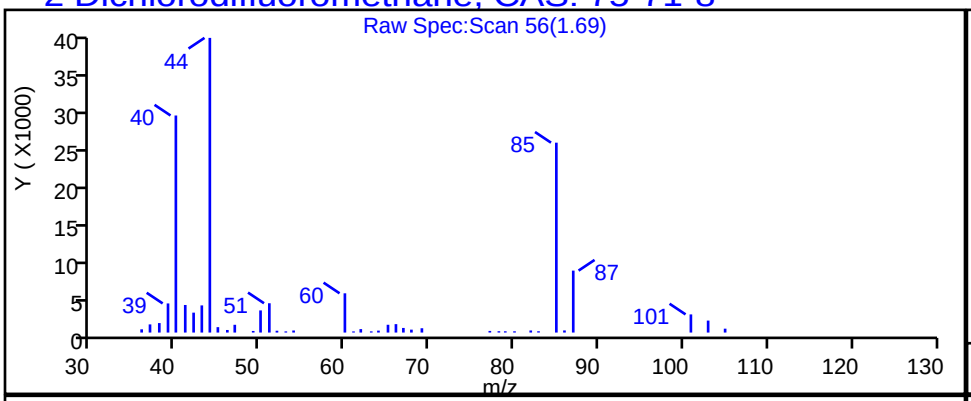
Report Date: 17-Dec-2021 22:13:57 Chrom Revision: 2.3 15-Nov-2021 20:34:30

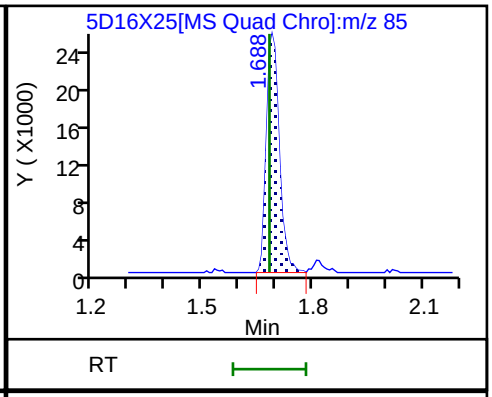
Eurofins Lancaster Laboratories Env, LLC

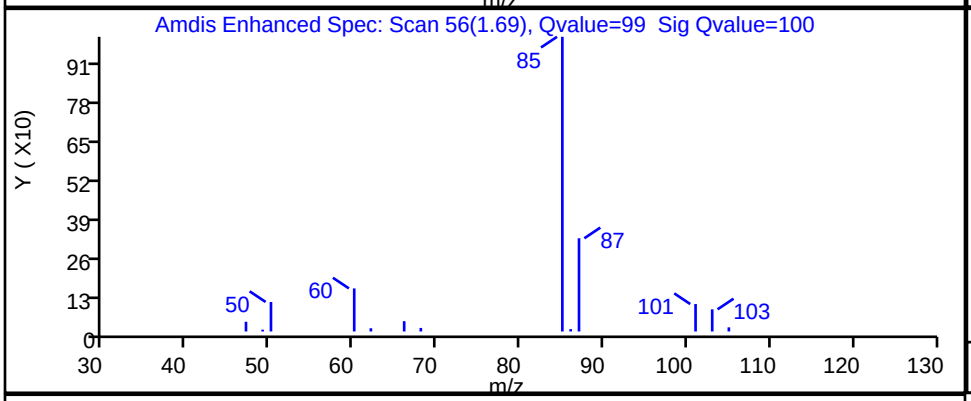
Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

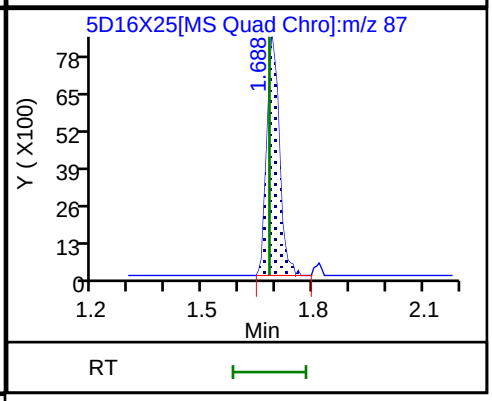
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

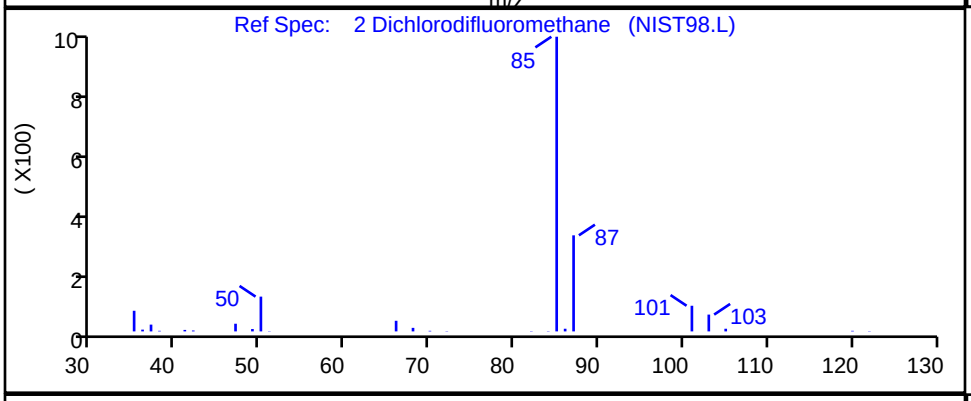
2 Dichlorodifluoromethane, CAS: 75-71-8

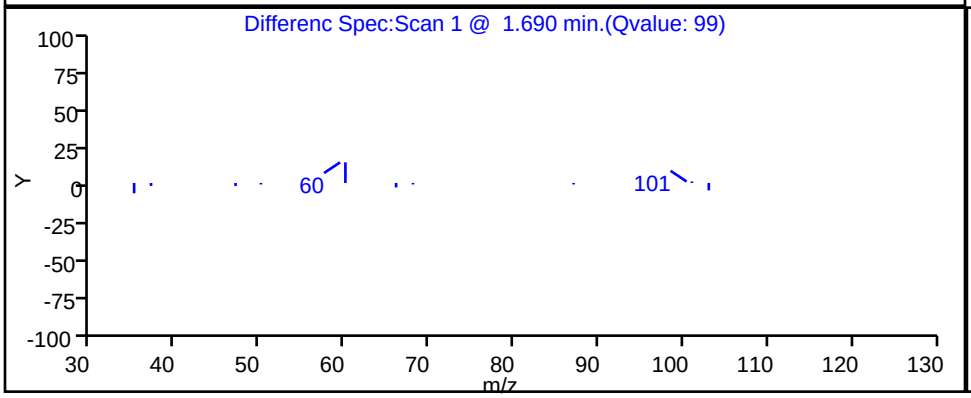


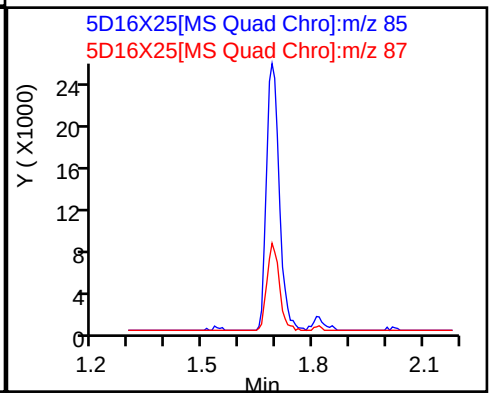








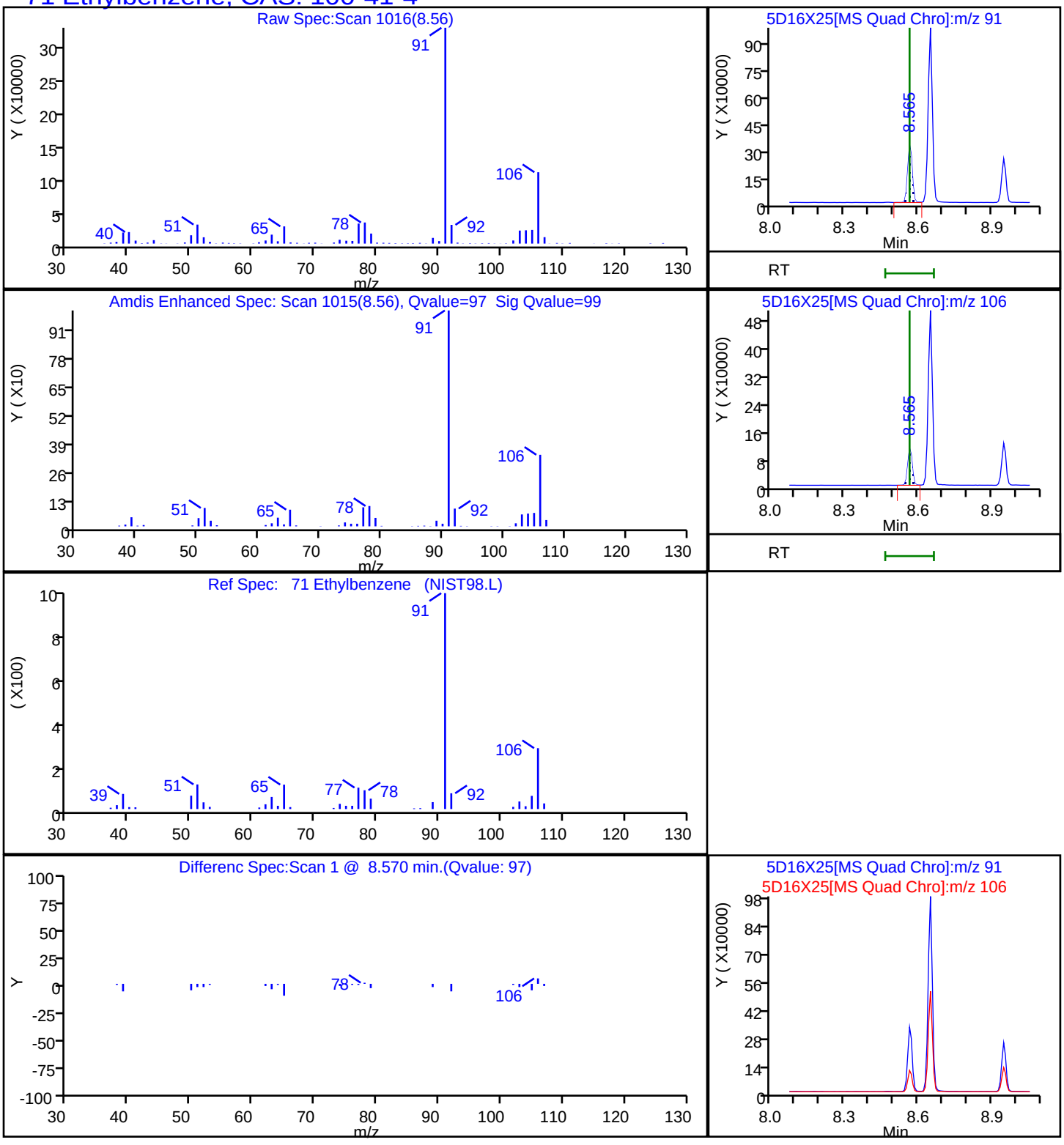




Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

71 Ethylbenzene, CAS: 100-41-4



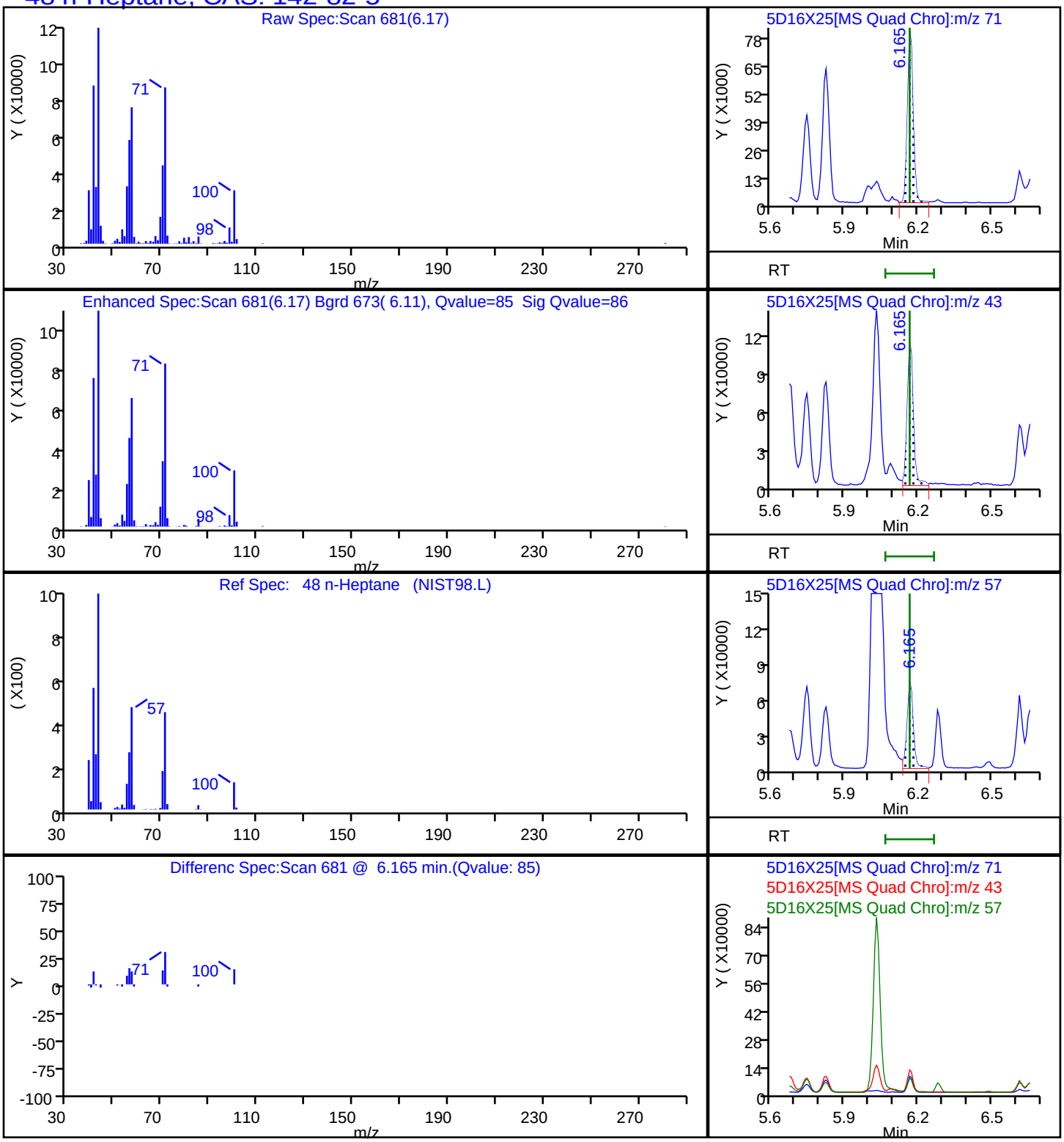
Report Date: 17-Dec-2021 22:13:58 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

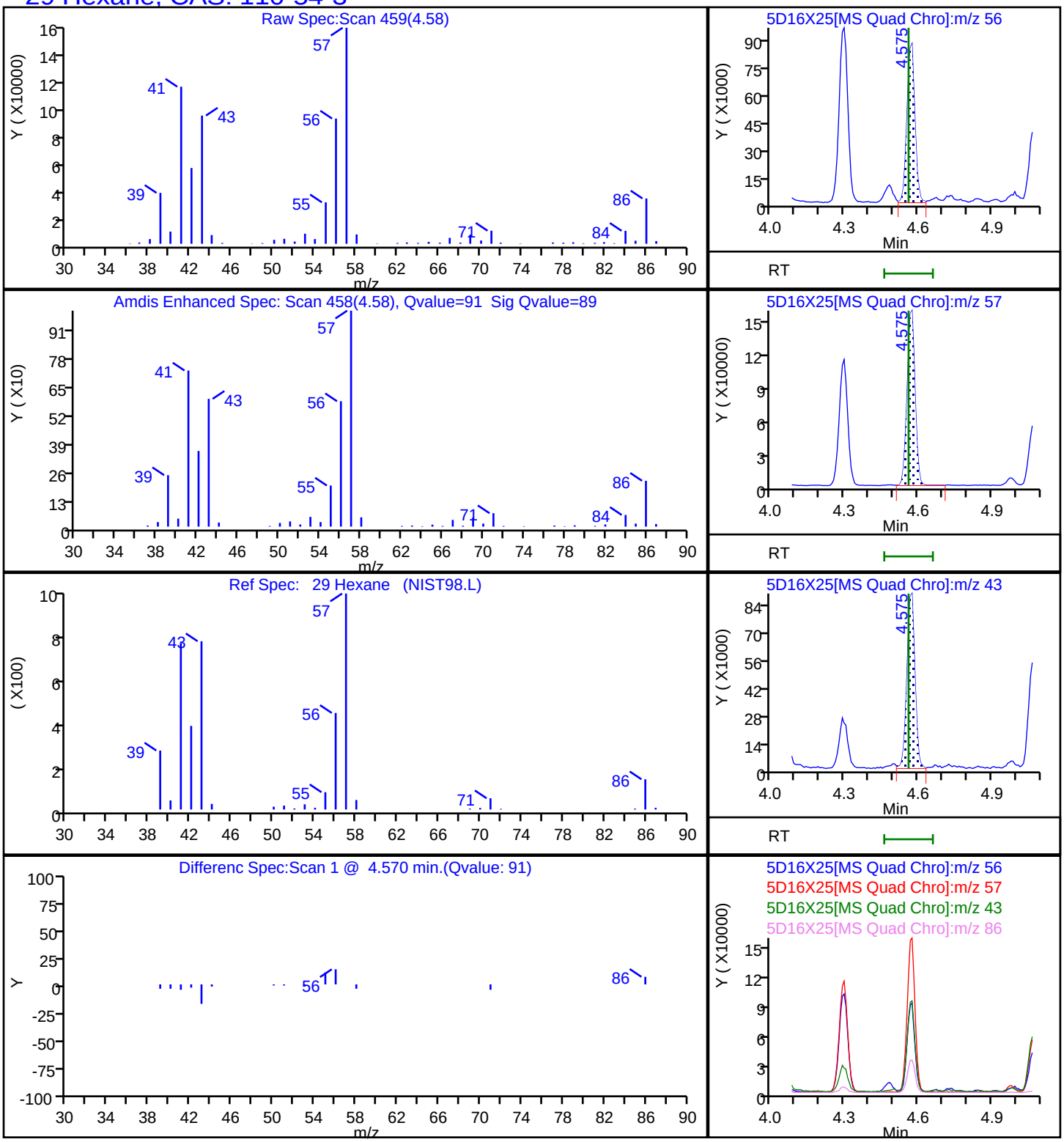
48 n-Heptane, CAS: 142-82-5



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

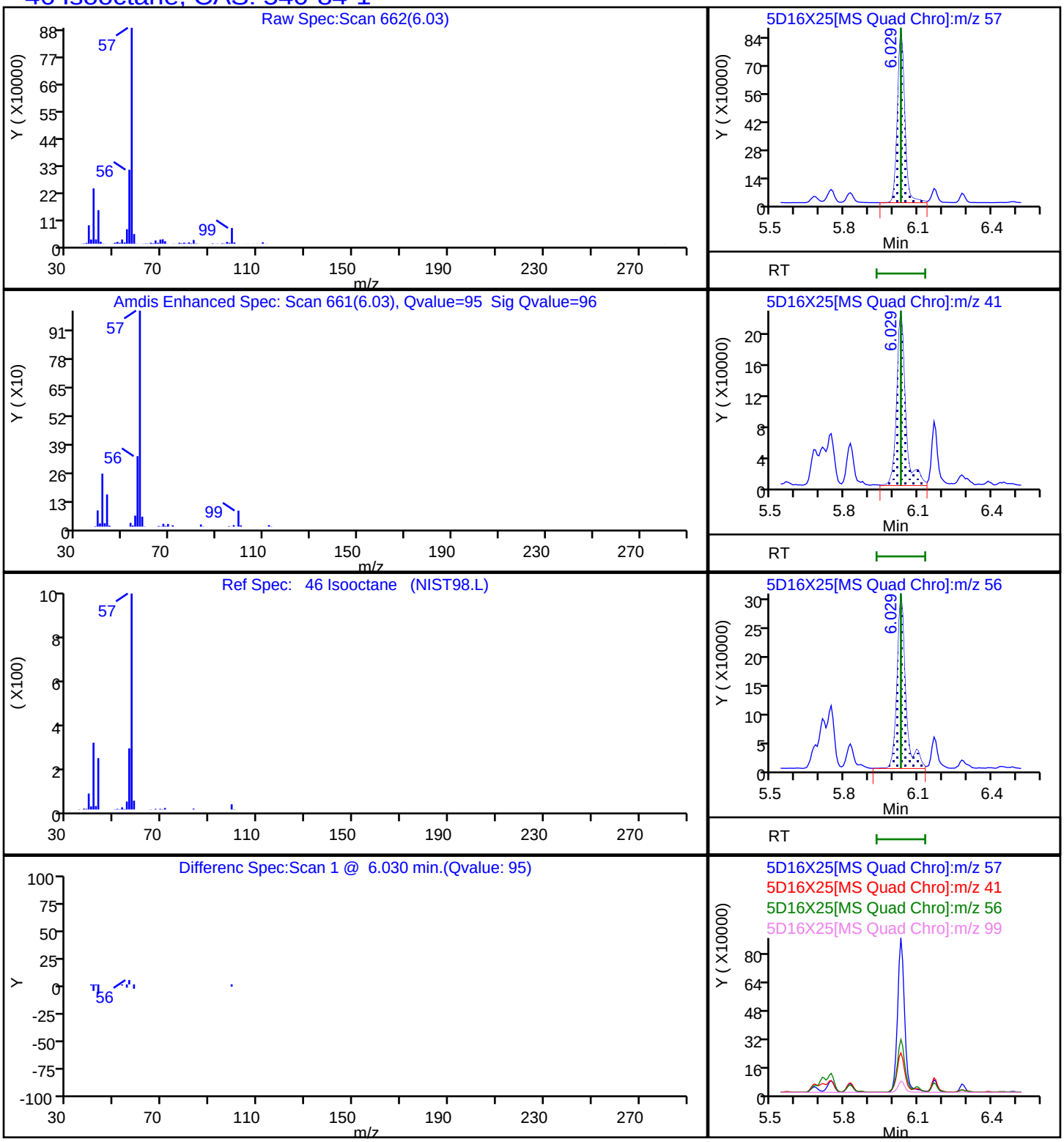
29 Hexane, CAS: 110-54-3



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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 Isooctane, CAS: 540-84-1



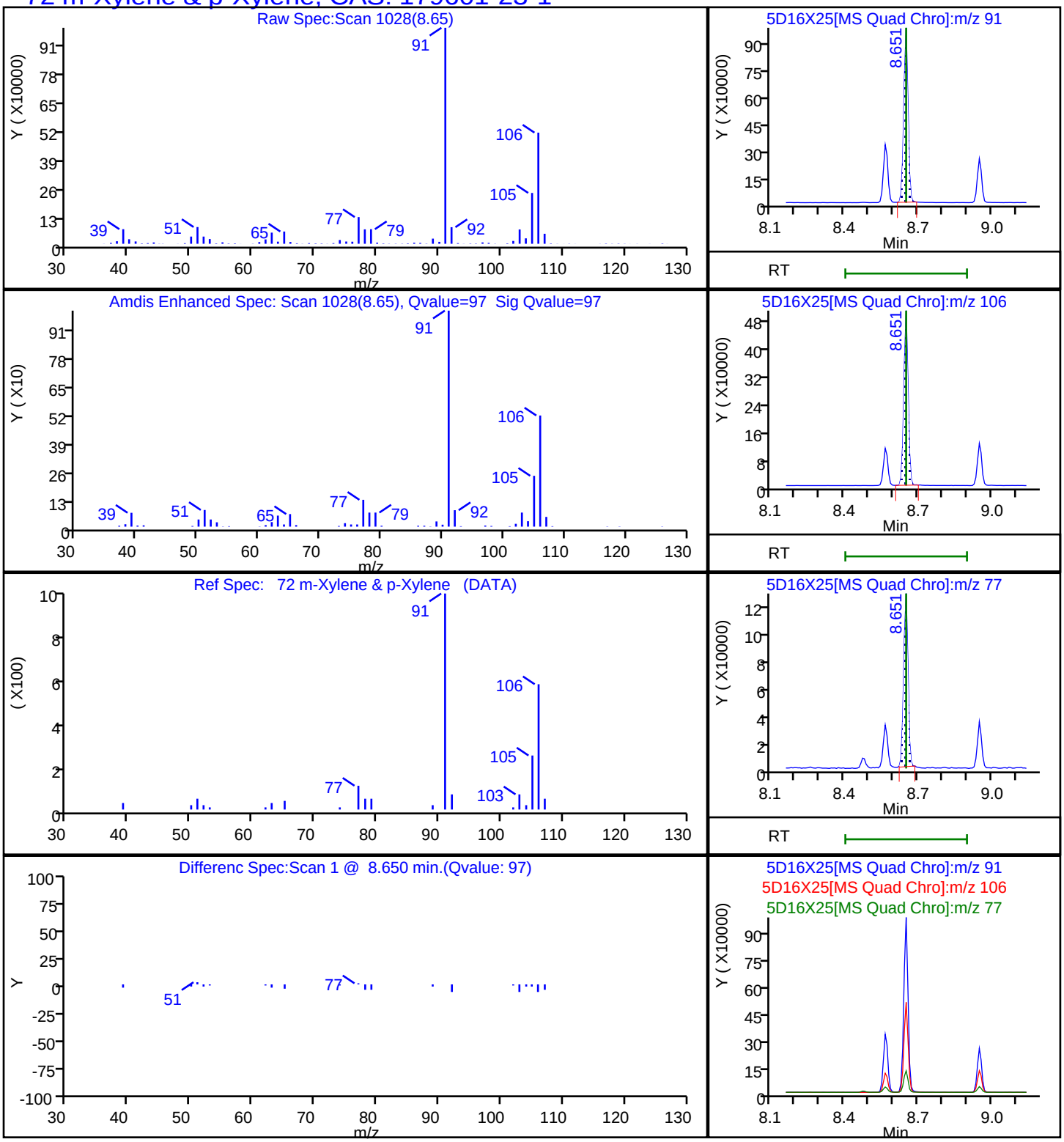
Report Date: 17-Dec-2021 22:13:58 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

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



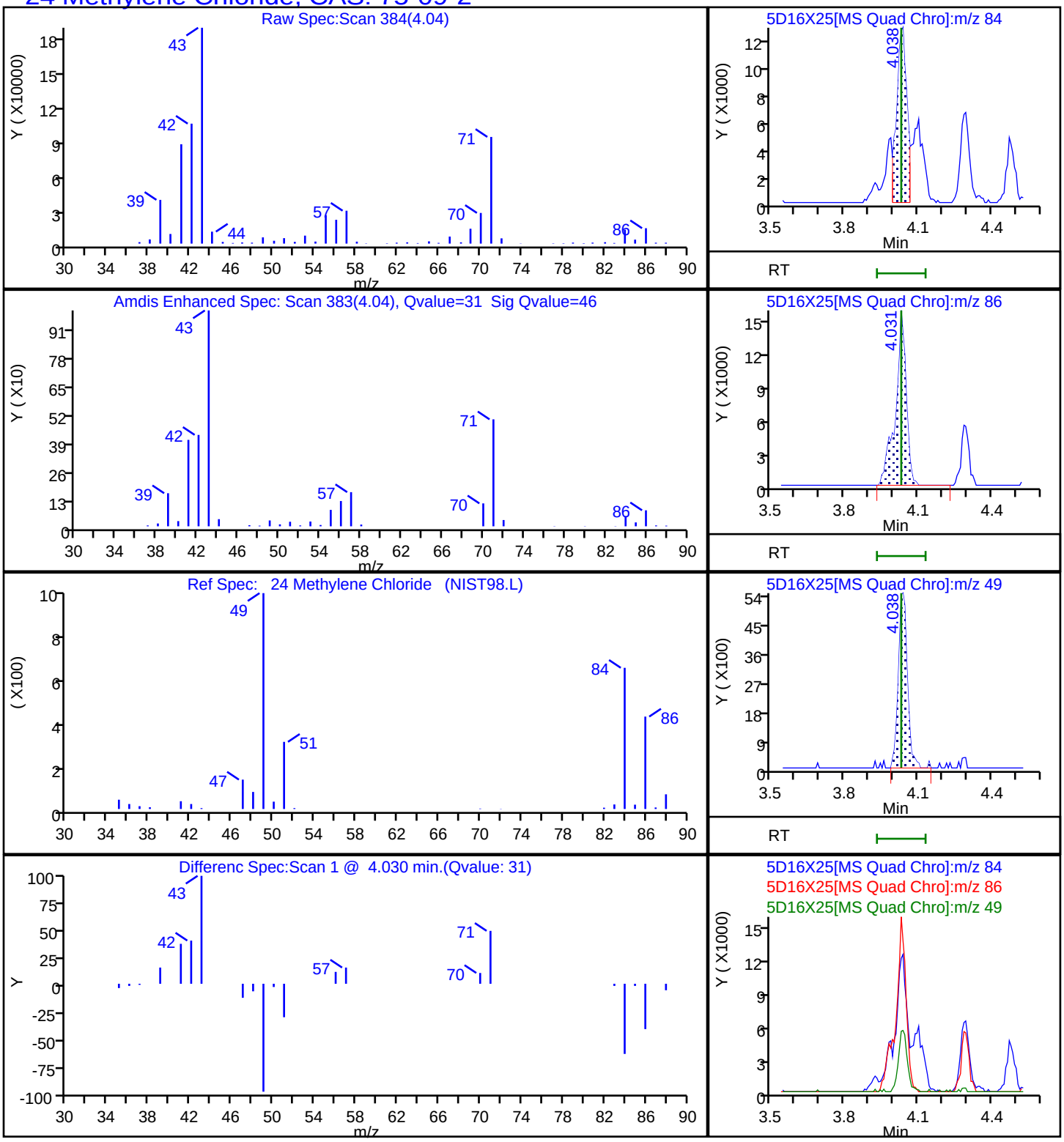
Report Date: 17-Dec-2021 22:13:57 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

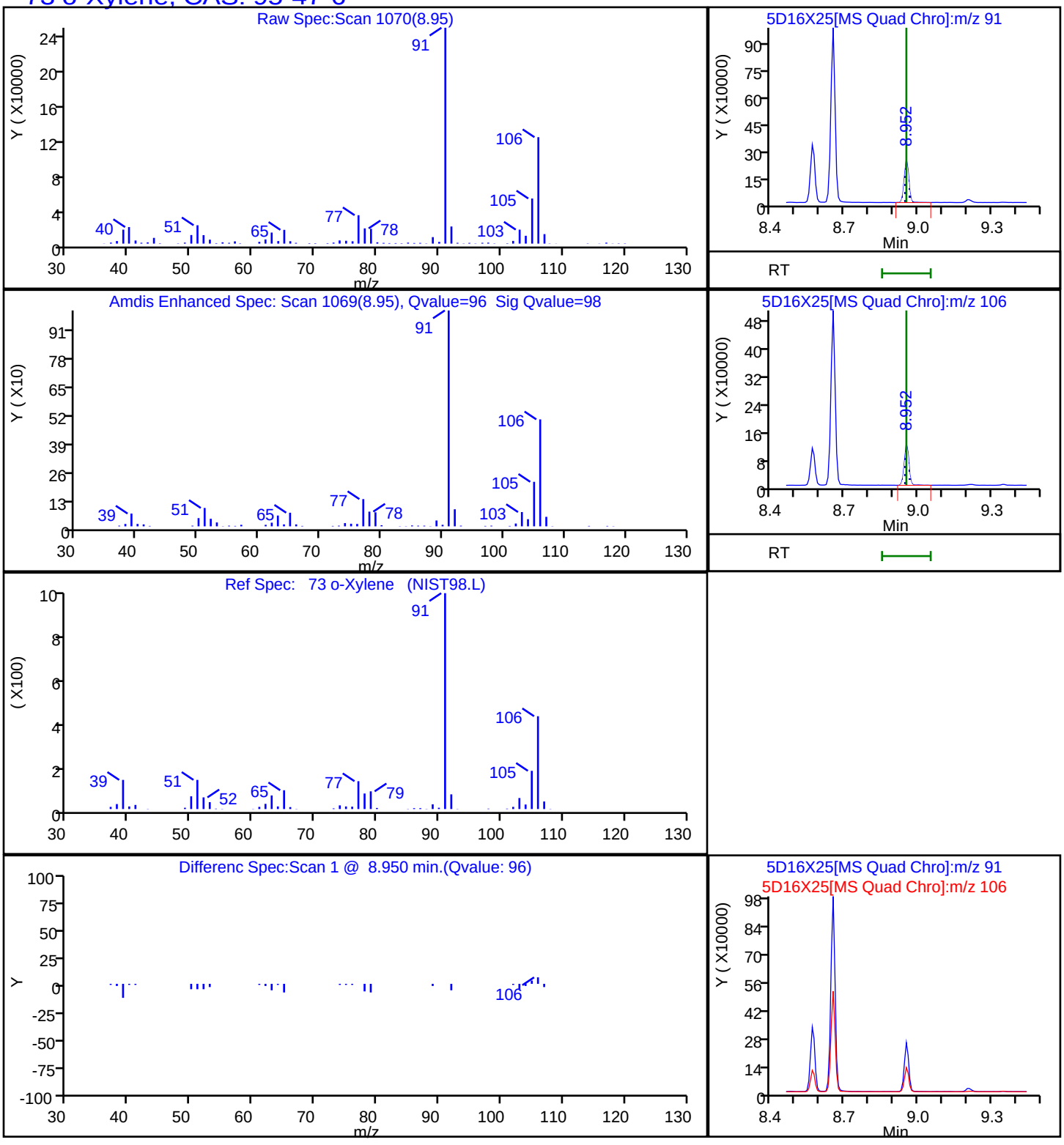
24 Methylene Chloride, CAS: 75-09-2



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D		
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2
Client ID:	IA-1-20211208		
Operator ID:	etp33087	ALS Bottle#:	0 Worklist Smp#: 25
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

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



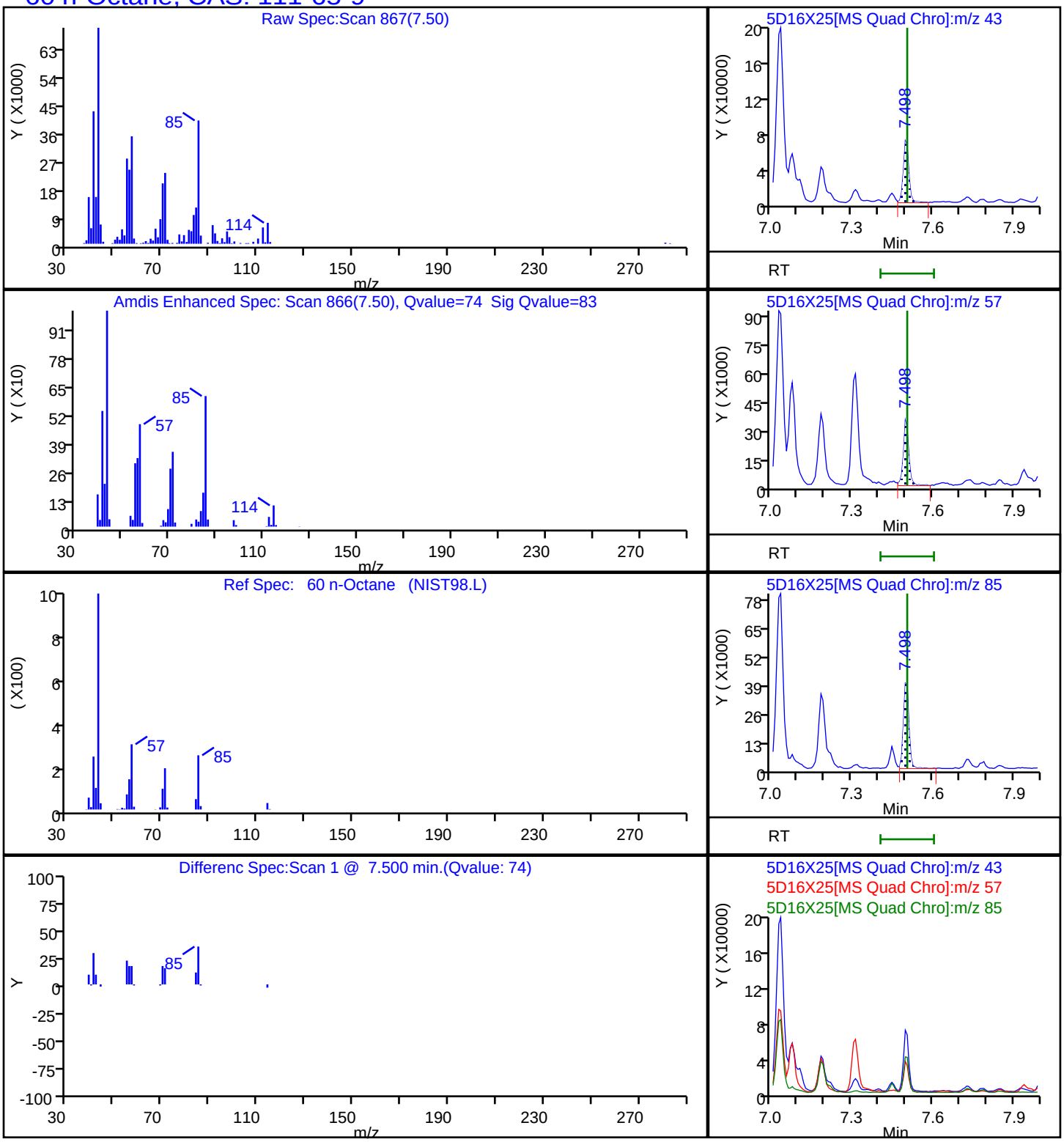
Report Date: 17-Dec-2021 22:13:58 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

60 n-Octane, CAS: 111-65-9



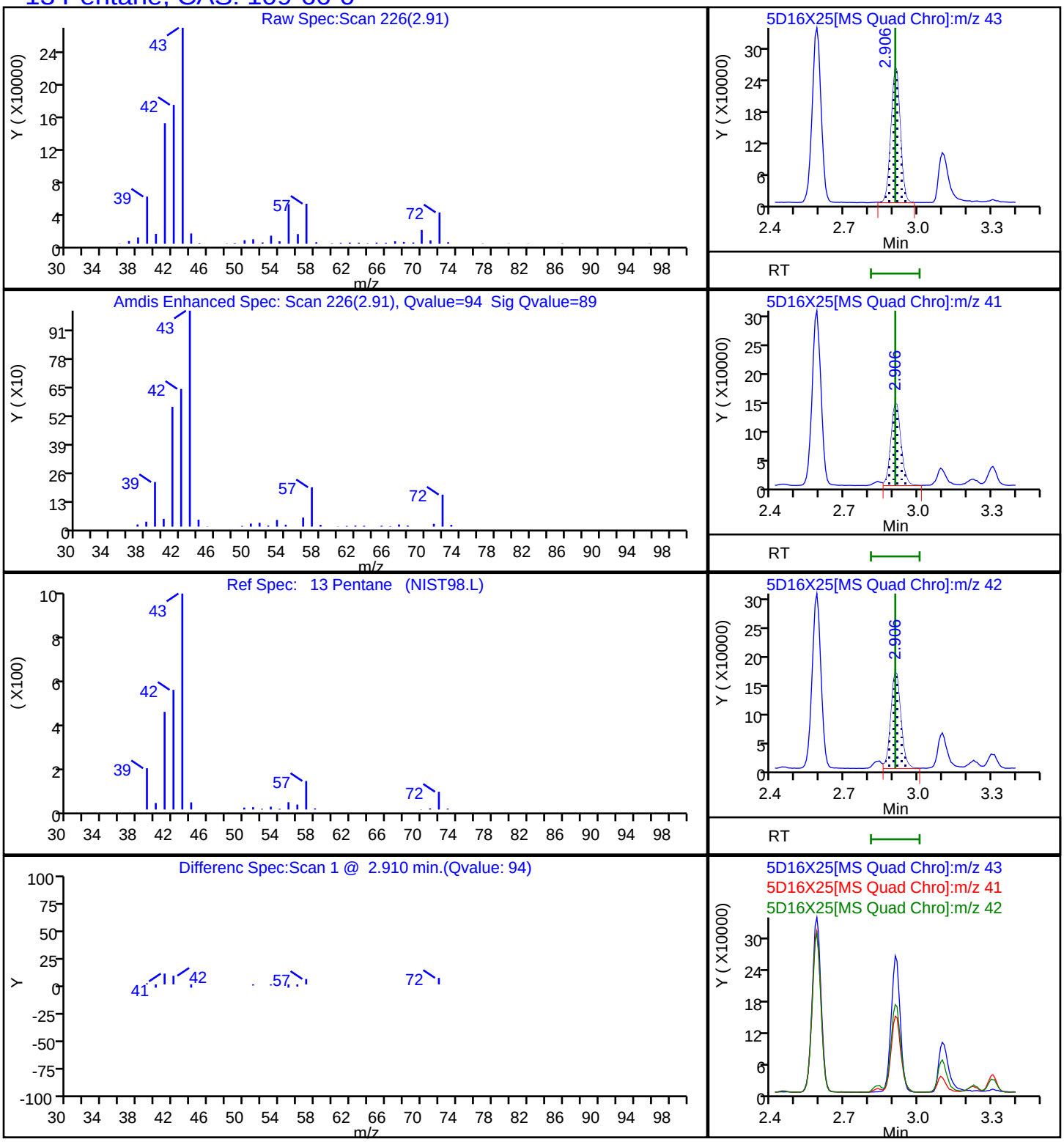
Report Date: 17-Dec-2021 22:13:57 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

13 Pentane, CAS: 109-66-0



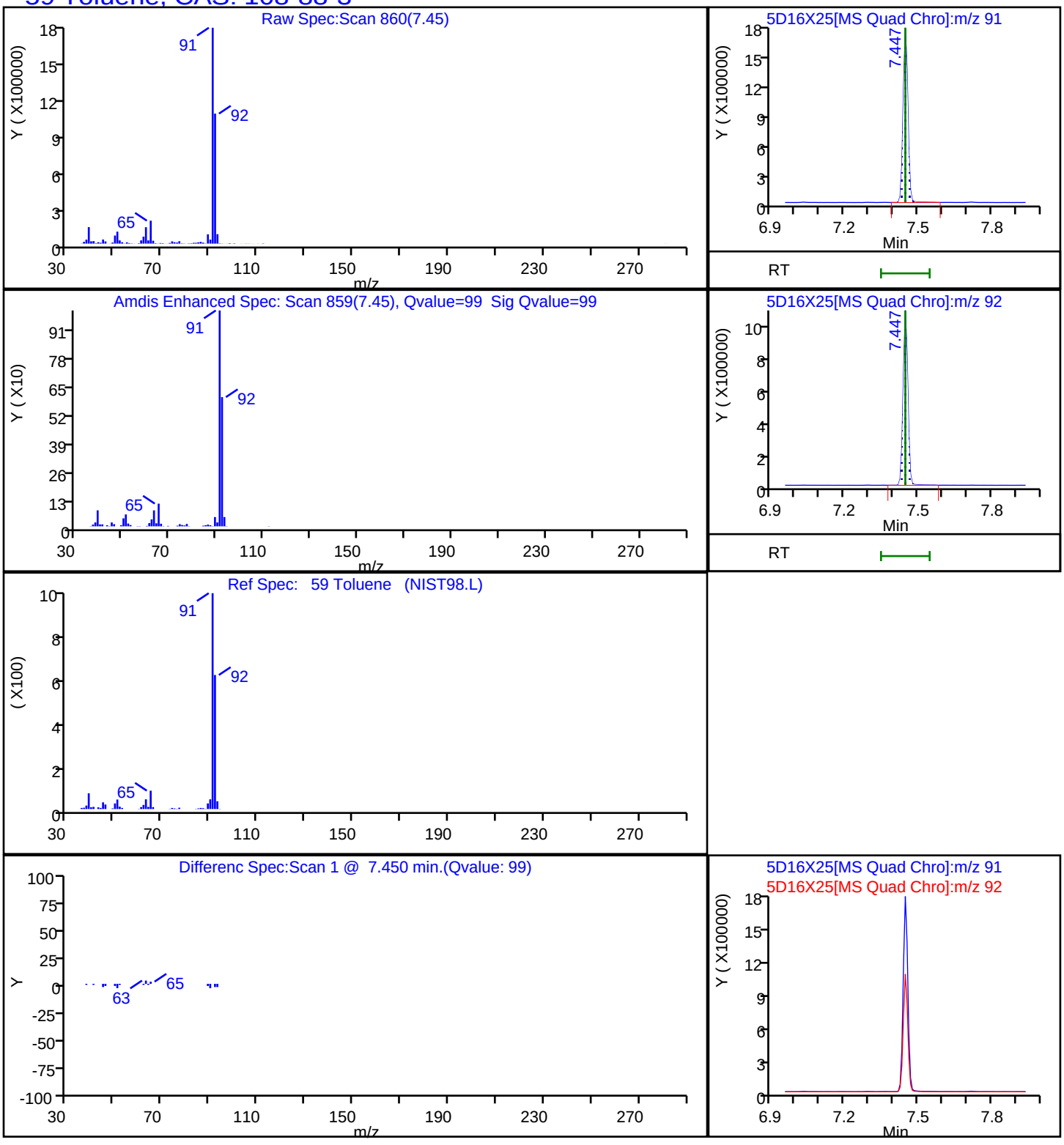
Report Date: 17-Dec-2021 22:13:58 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

59 Toluene, CAS: 108-88-3



Report Date: 17-Dec-2021 22:13:57 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D

Injection Date: 17-Dec-2021 05:54:59 Instrument ID: HP22820

Lims ID: 410-66301-A-2 Lab Sample ID: 410-66301-2

Client ID: IA-1-20211208

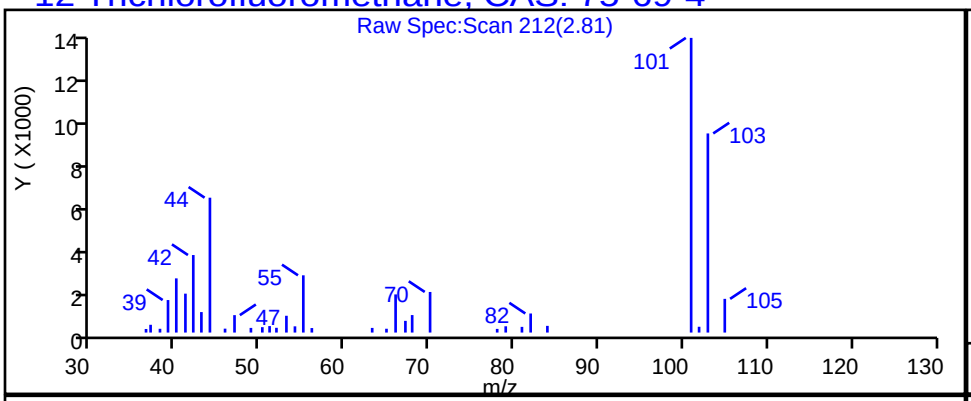
Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 25

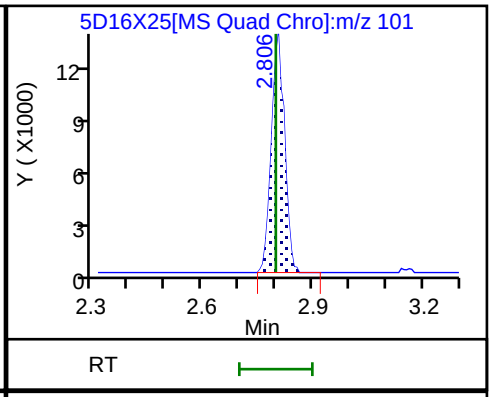
Purge Vol: 200.000 mL Dil. Factor: 1.0000

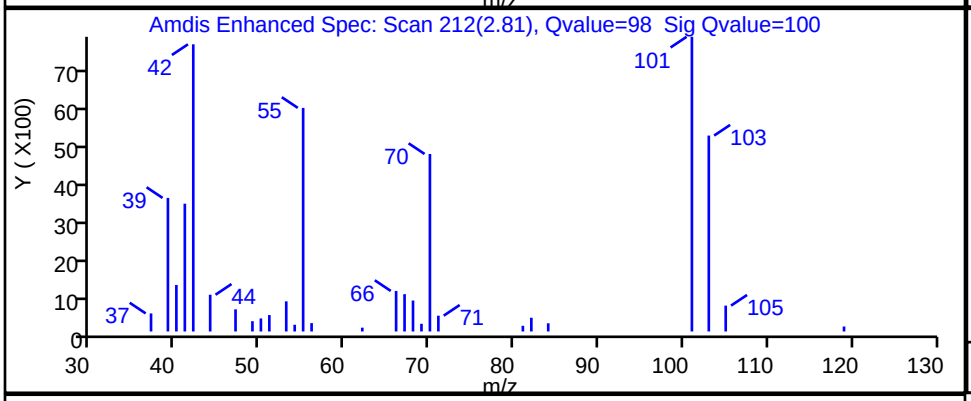
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15

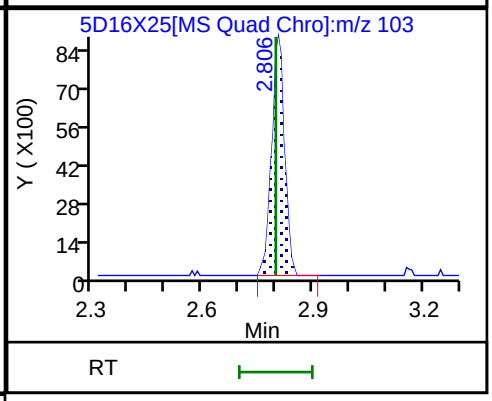
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

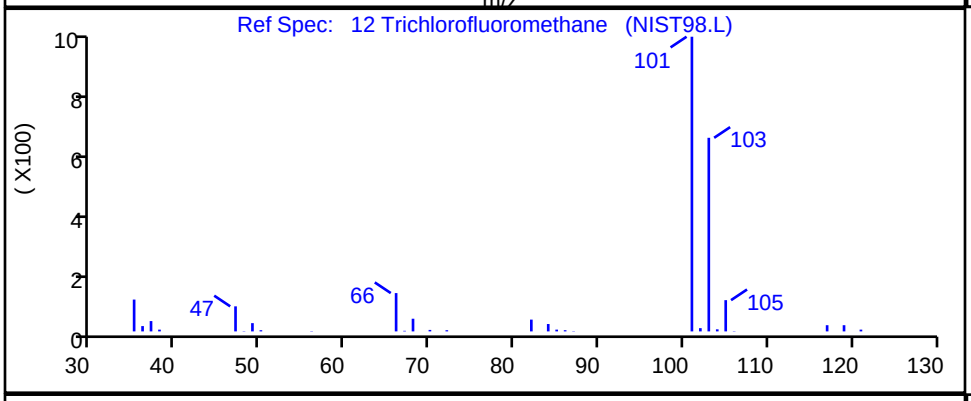
12 Trichlorofluoromethane, CAS: 75-69-4

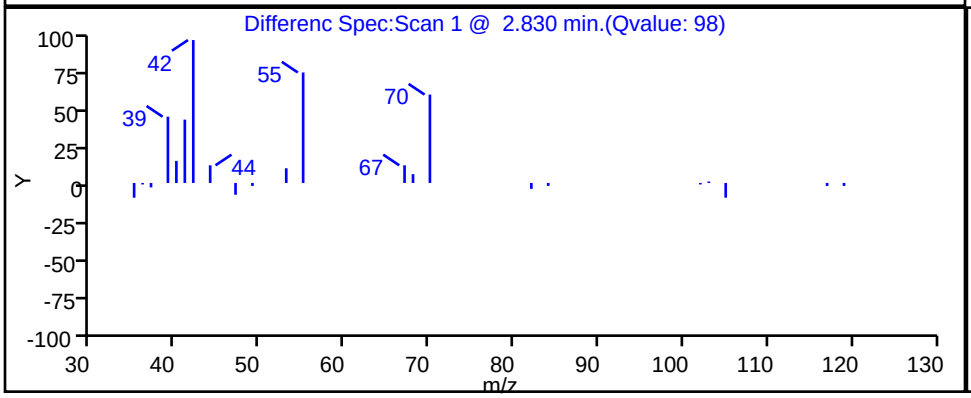


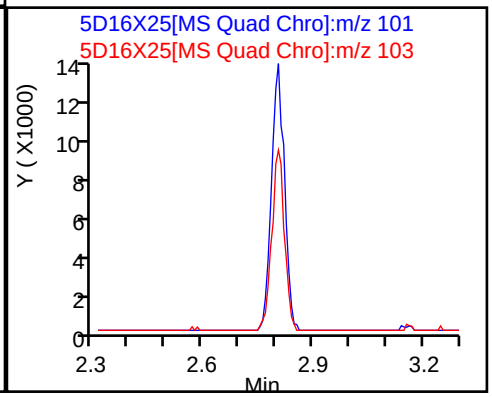












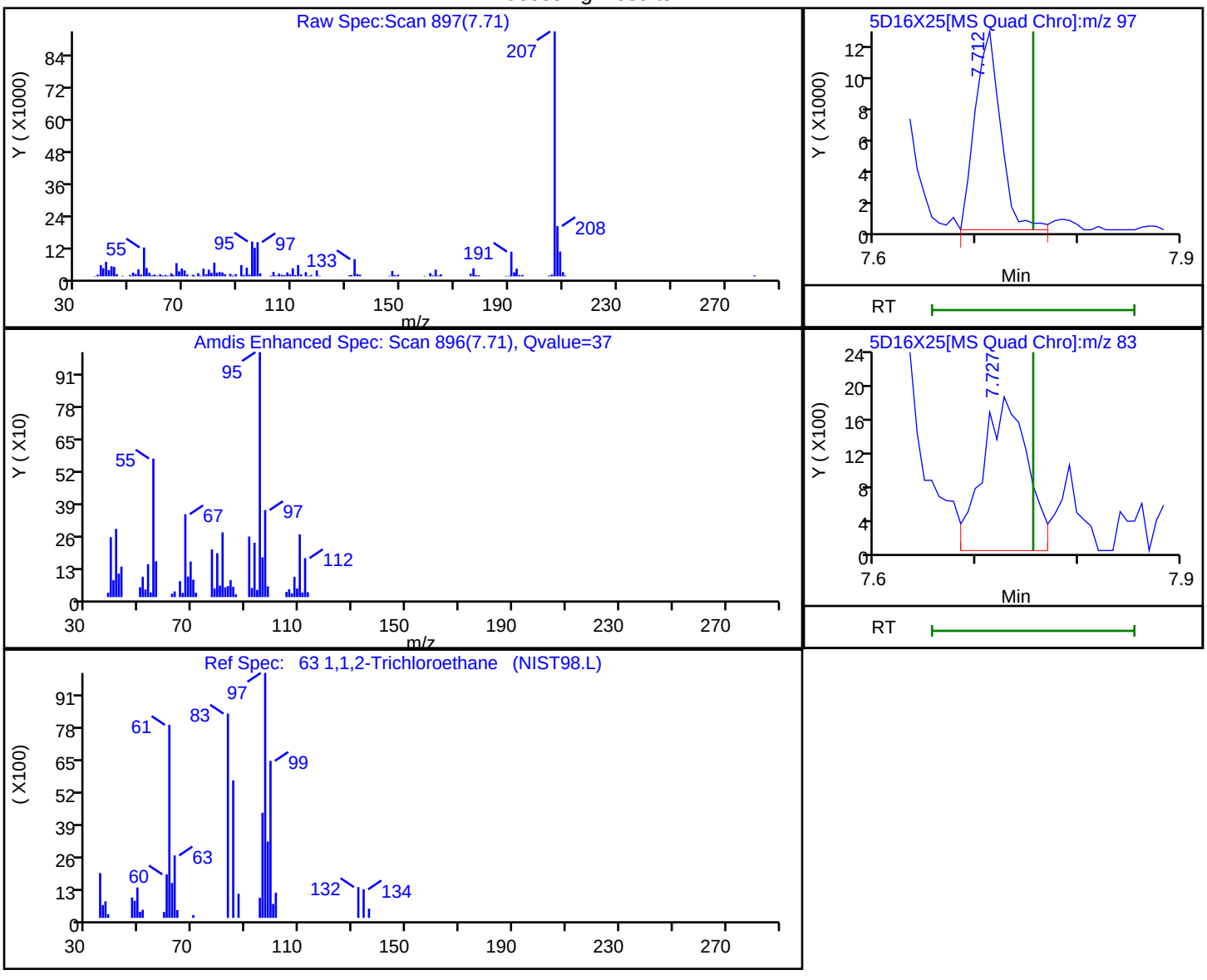
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

63 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.71	97.00	22412	0.342883
7.73	83.00	5398	

Reviewer: proctore, 17-Dec-2021 22:07:00

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

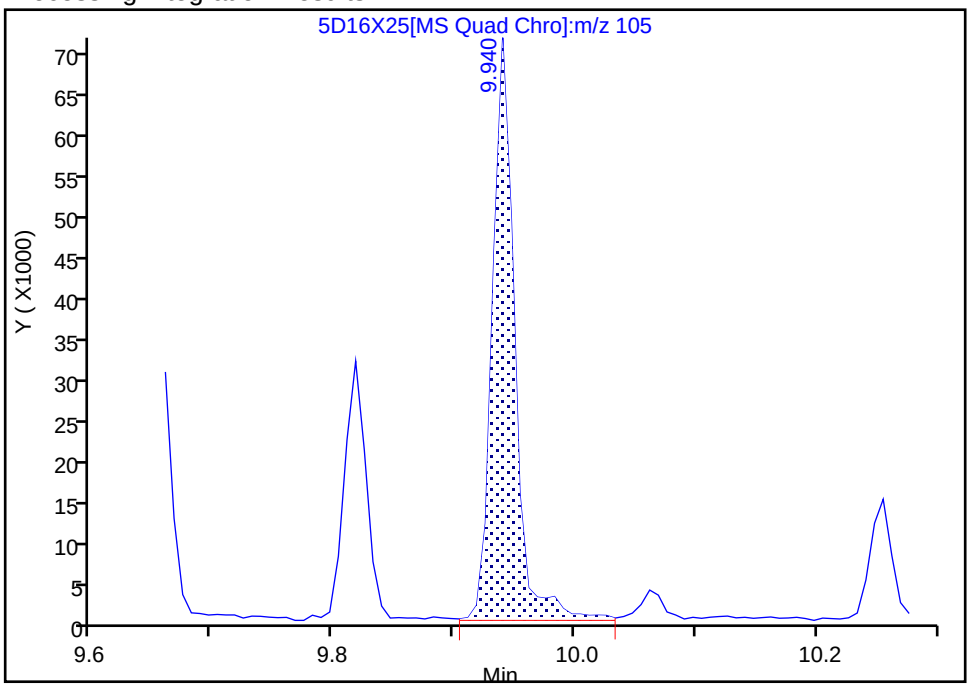
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

86 1,2,4-Trimethylbenzene, CAS: 95-63-6

Signal: 1

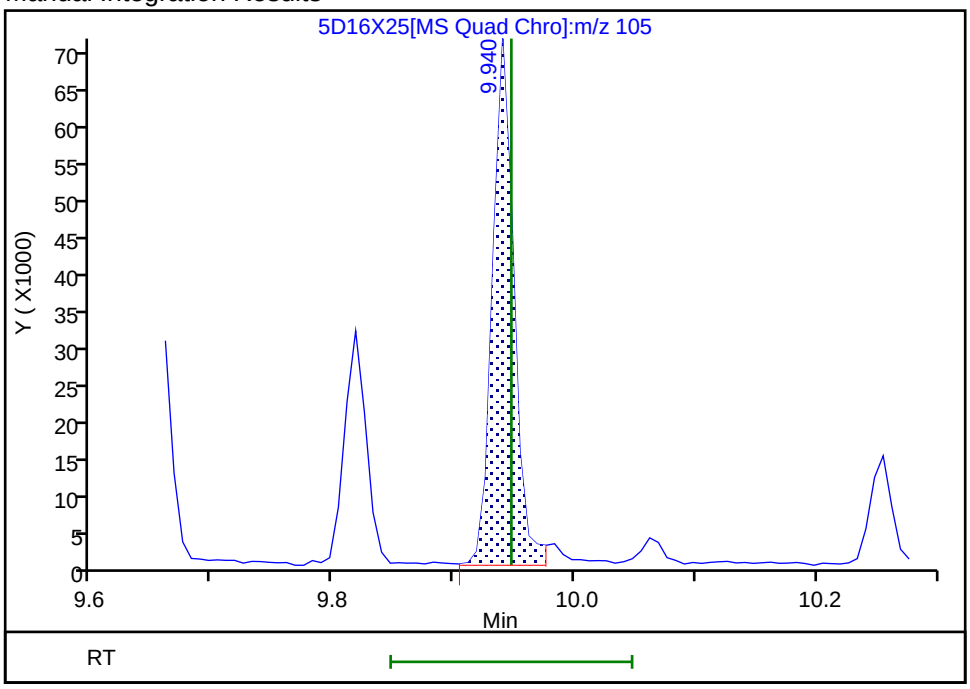
Processing Integration Results

RT: 9.94
Area: 92090
Amount: 0.527282
Amount Units: ppb v/v



Manual Integration Results

RT: 9.94
Area: 88110
Amount: 0.504494
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:08:10

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

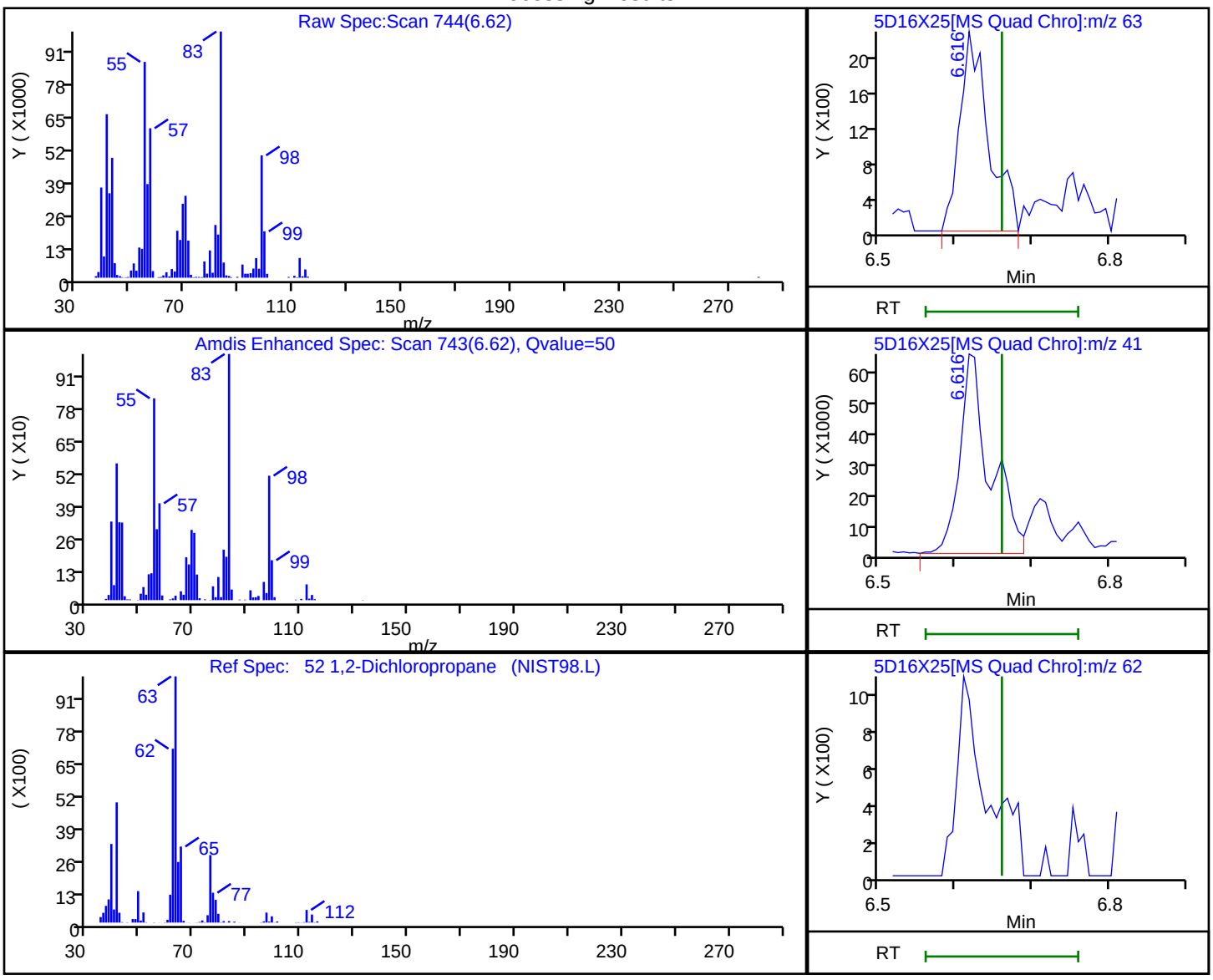
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

52 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
6.62	63.00	5800	0.125006
6.62	41.00	177100	
6.66	62.00	0	

Reviewer: proctore, 17-Dec-2021 22:06:27

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

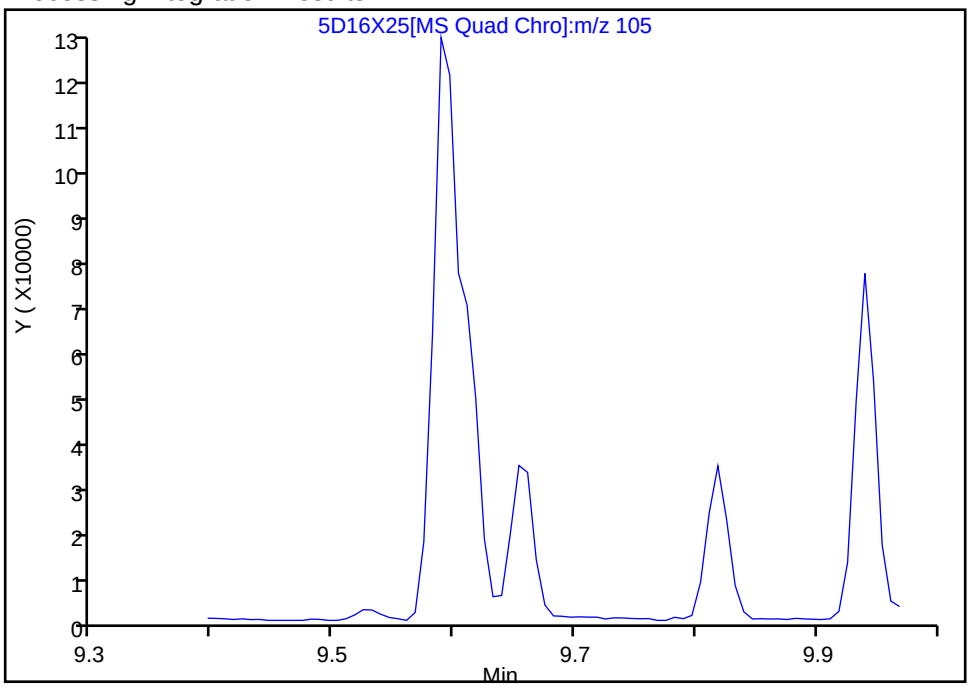
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

83 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

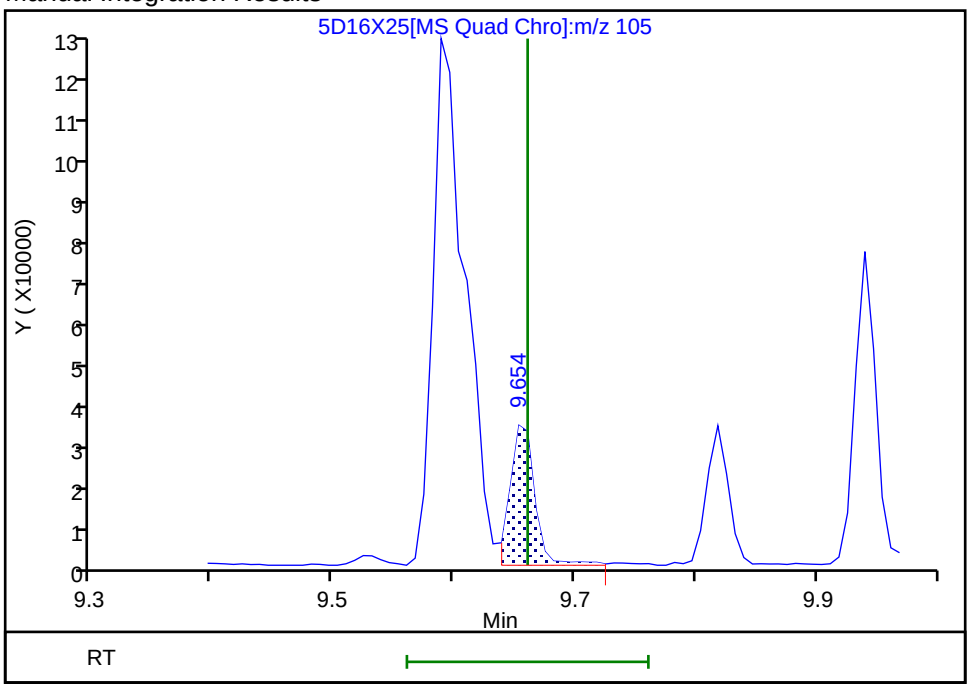
Not Detected
Expected RT: 9.66

Processing Integration Results



Manual Integration Results

RT: 9.65
Area: 44499
Amount: 0.233828
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:08:02
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

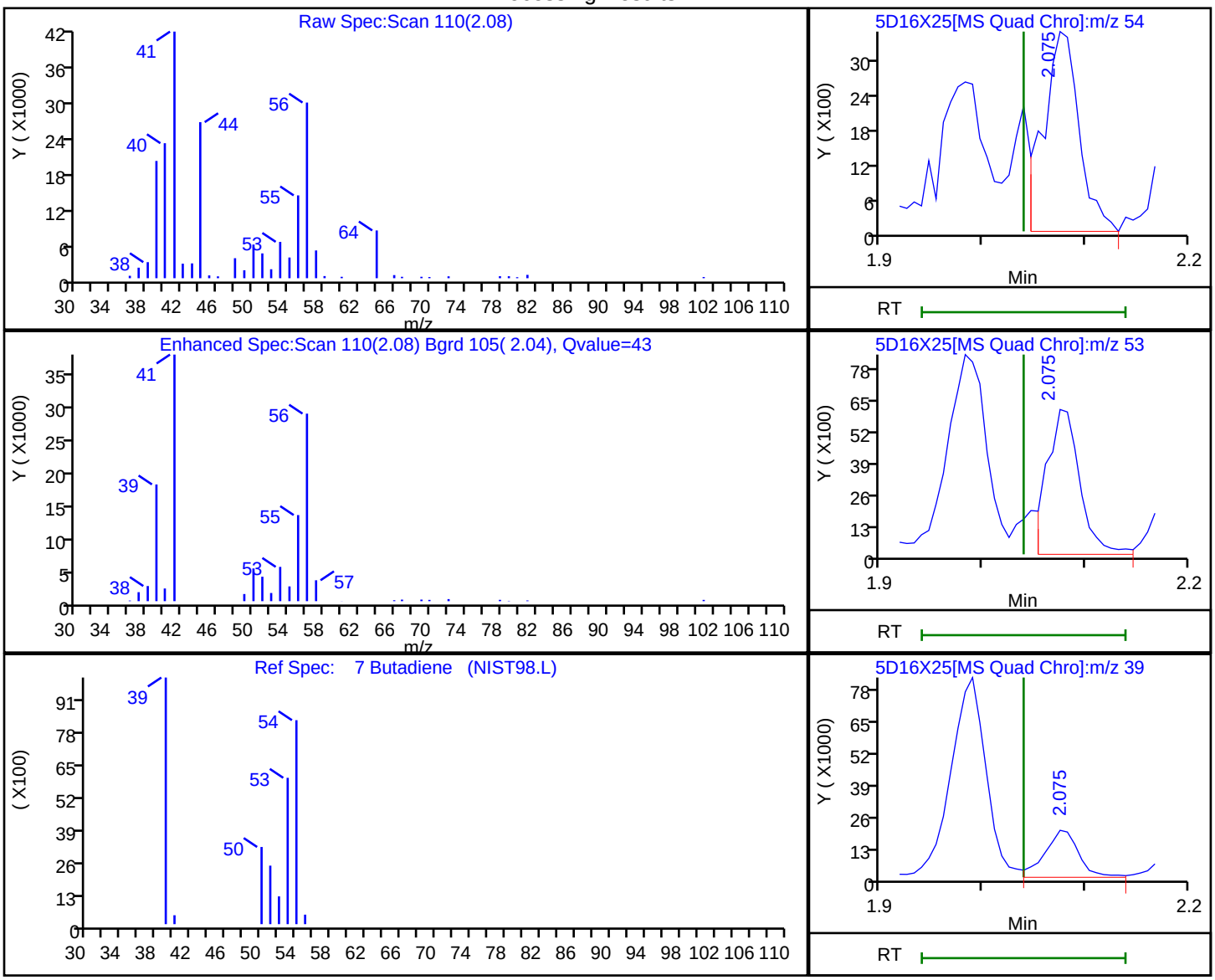
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

7 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
2.08	54.00	8147	0.301342
2.08	53.00	13237	
2.08	39.00	44813	

Reviewer: proctore, 17-Dec-2021 22:05:29

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

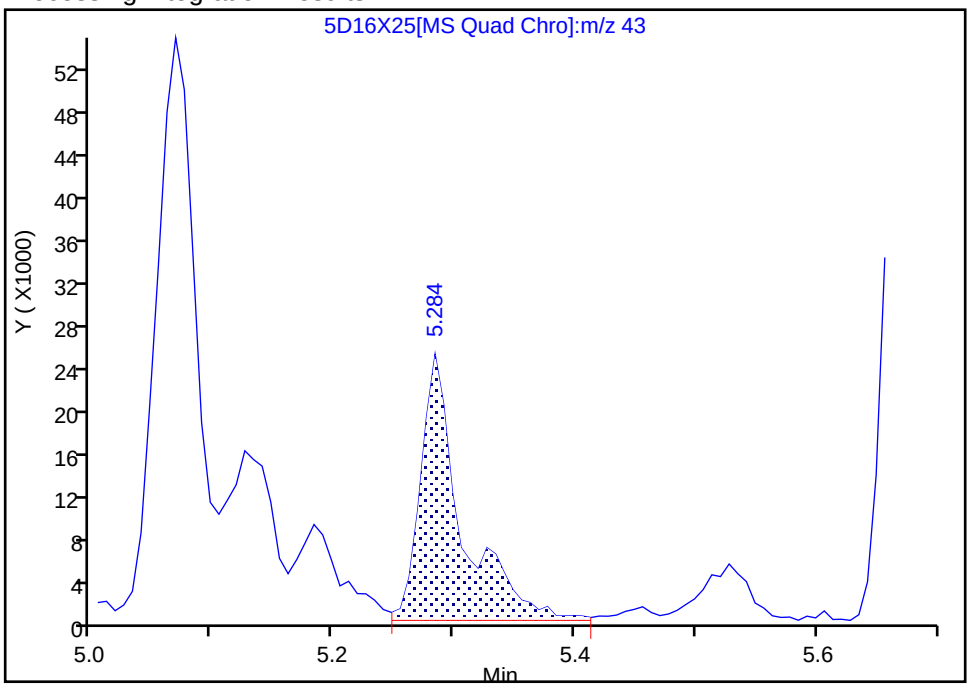
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

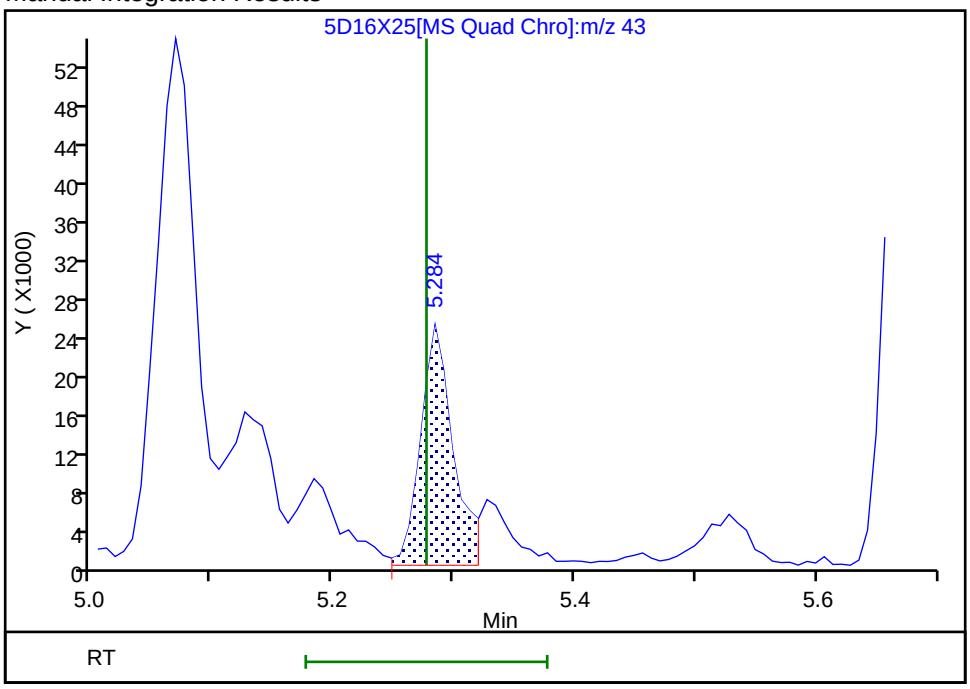
Processing Integration Results

RT: 5.28
Area: 58118
Amount: 1.113159
Amount Units: ppb v/v



Manual Integration Results

RT: 5.28
Area: 45273
Amount: 0.867133
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:06:10

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

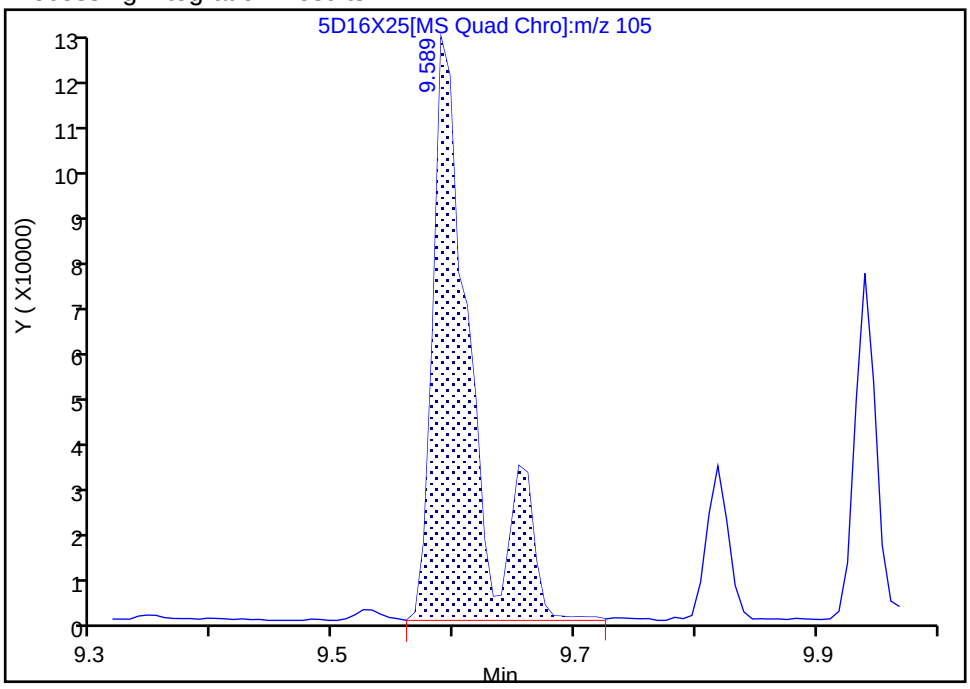
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

81 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

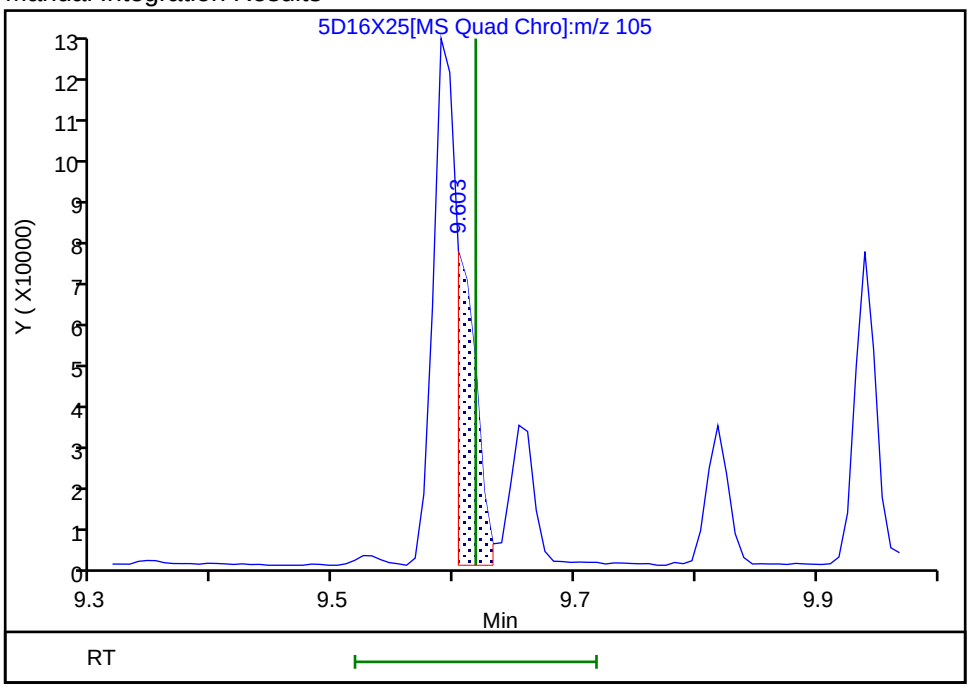
Processing Integration Results

RT: 9.59
Area: 267026
Amount: 1.206230
Amount Units: ppb v/v



Manual Integration Results

RT: 9.60
Area: 71550
Amount: 0.323211
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:07:33

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

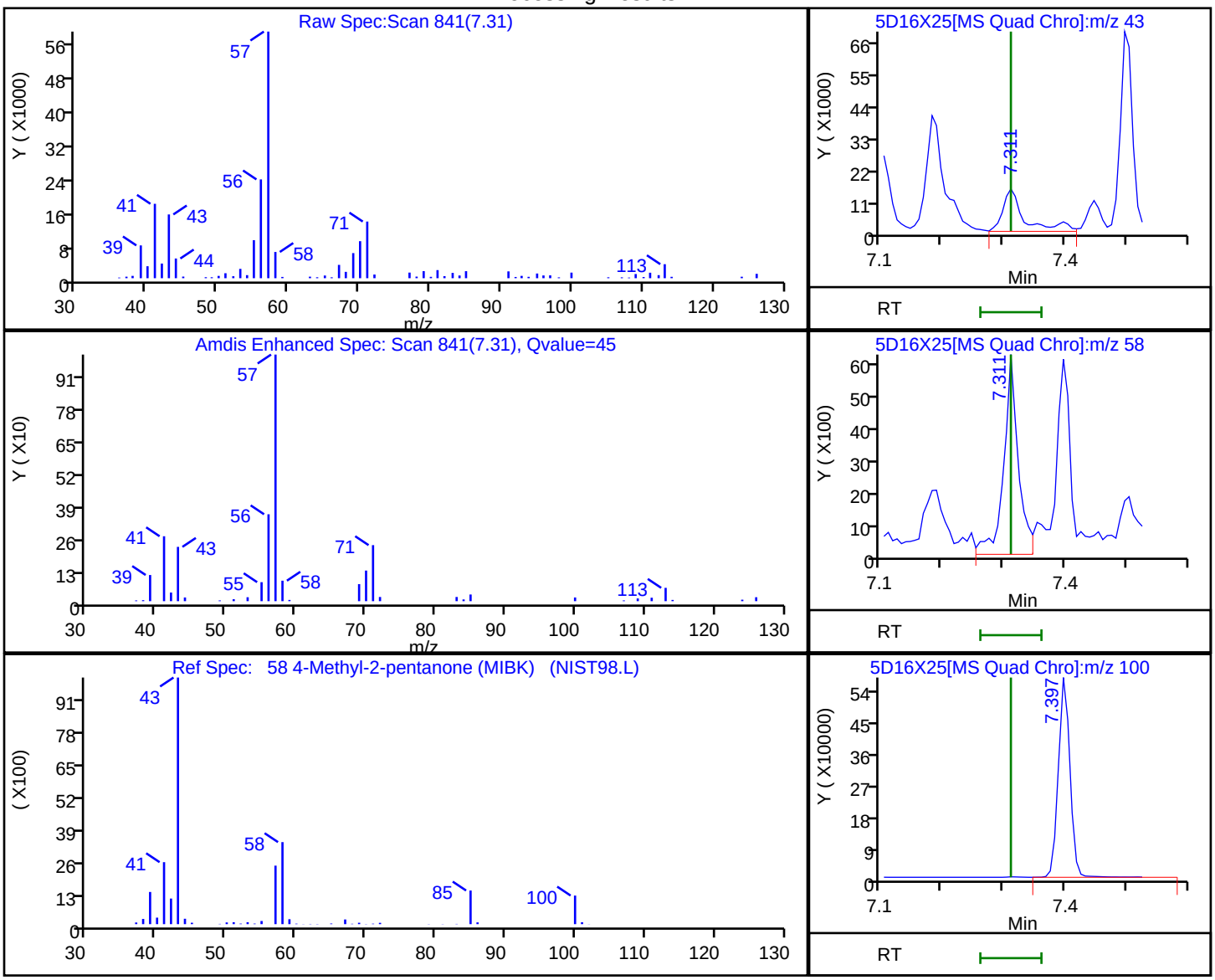
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

58 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.31	43.00	35269	0.564264
7.31	58.00	10291	
7.40	100.00	756315	

Reviewer: proctore, 17-Dec-2021 22:06:49

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

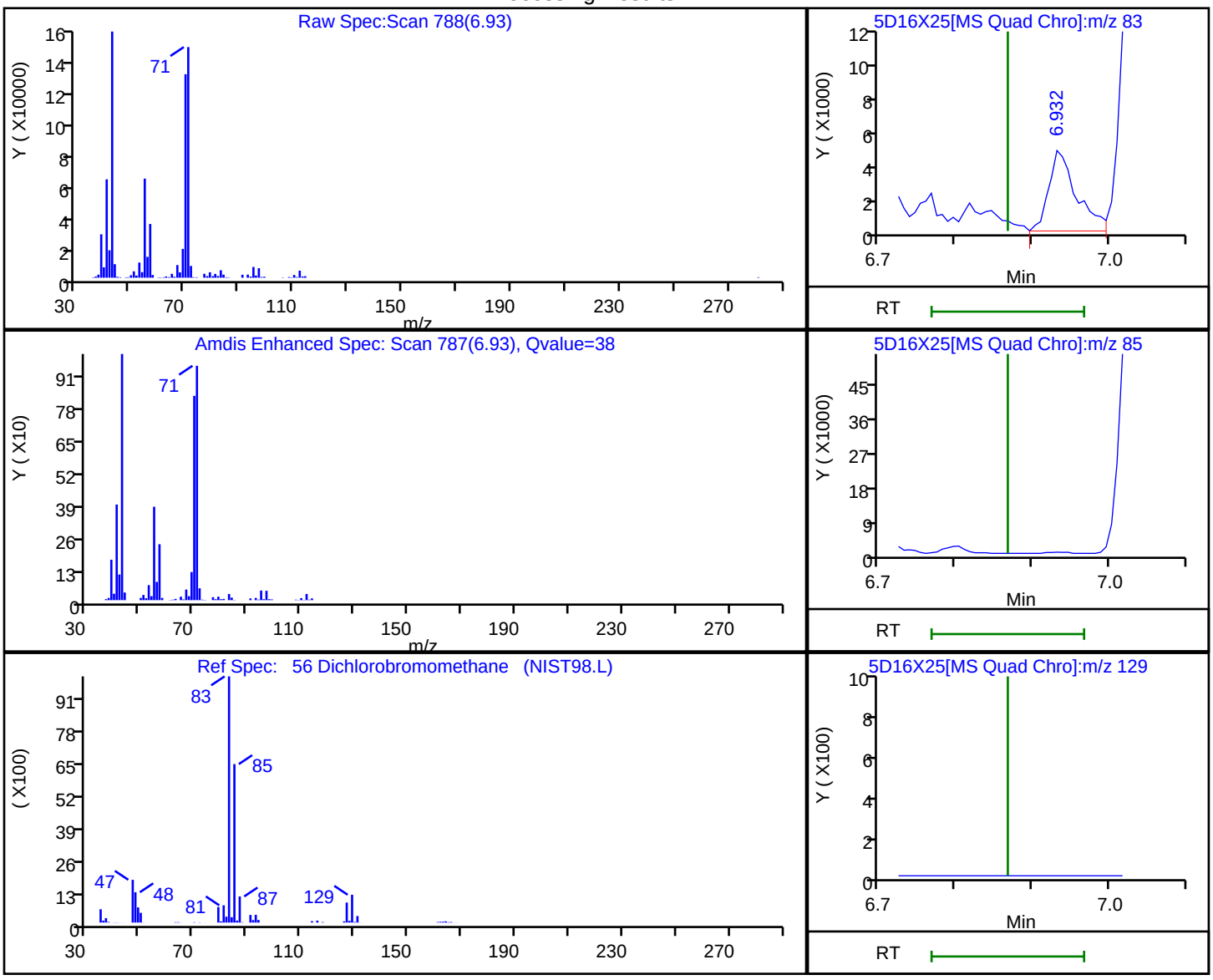
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

56 Dichlorobromomethane, CAS: 75-27-4

Processing Results



RT	Mass	Response	Amount
6.93	83.00	11802	0.116780
6.87	85.00	0	
6.87	129.00	0	

Reviewer: proctore, 17-Dec-2021 22:06:32

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

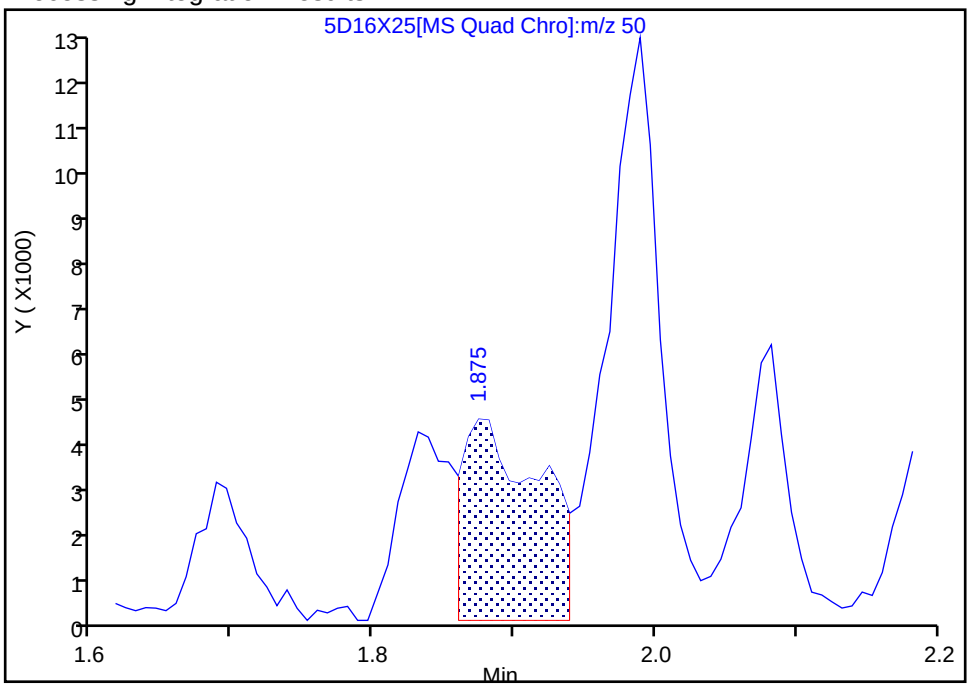
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

Signal: 1

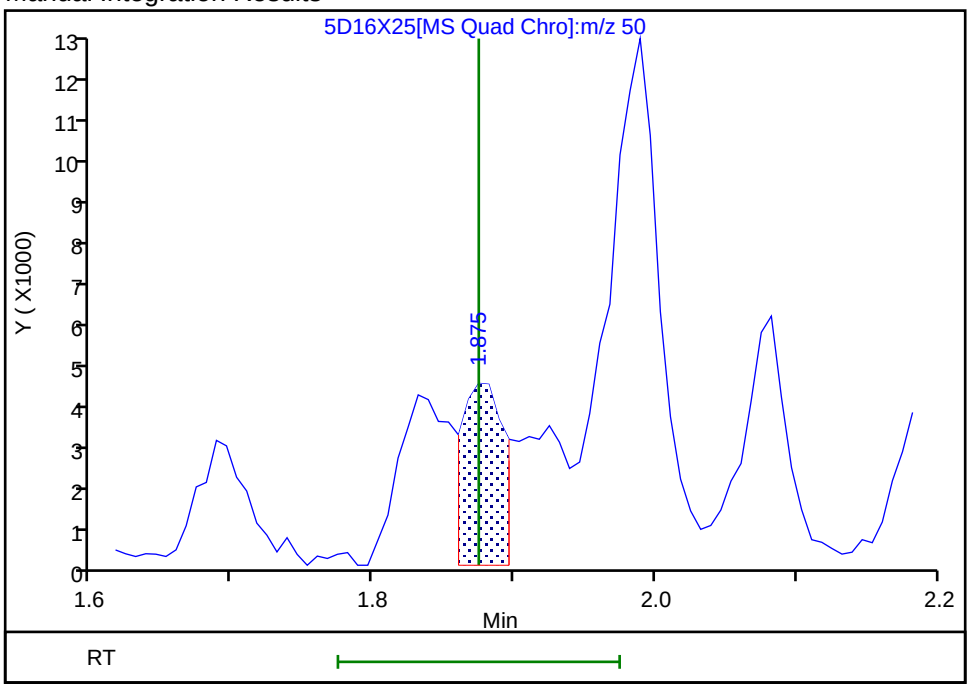
Processing Integration Results

RT: 1.87
Area: 16074
Amount: 0.585338
Amount Units: ppb v/v



Manual Integration Results

RT: 1.87
Area: 8298
Amount: 0.302173
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:05:14
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

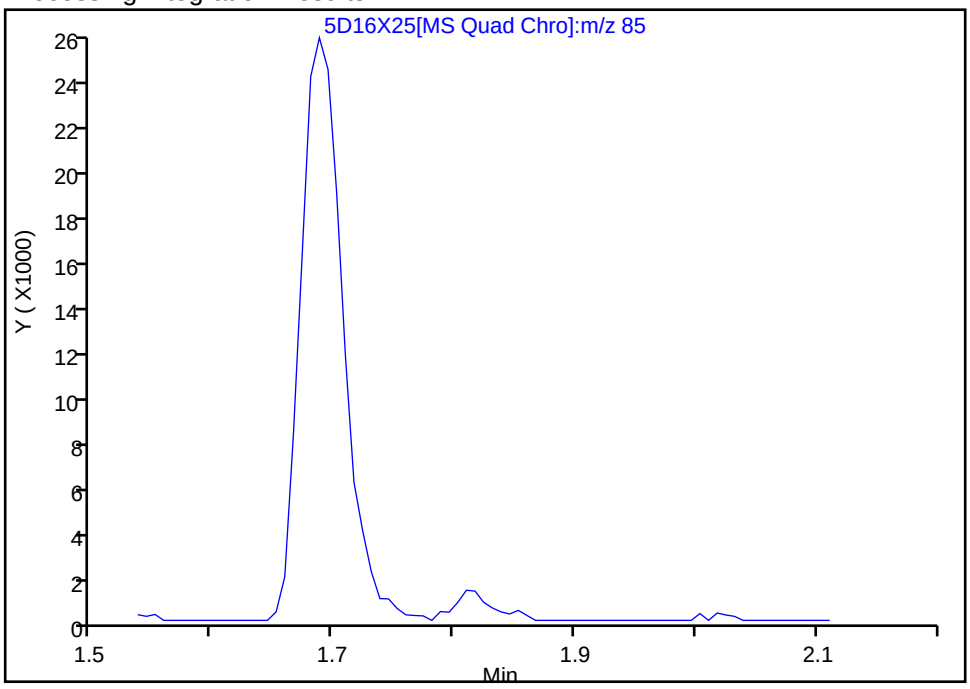
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

4 1,2-Dichloro-1,1,2,2-tetrafluoro, CAS: 76-14-2

Signal: 1

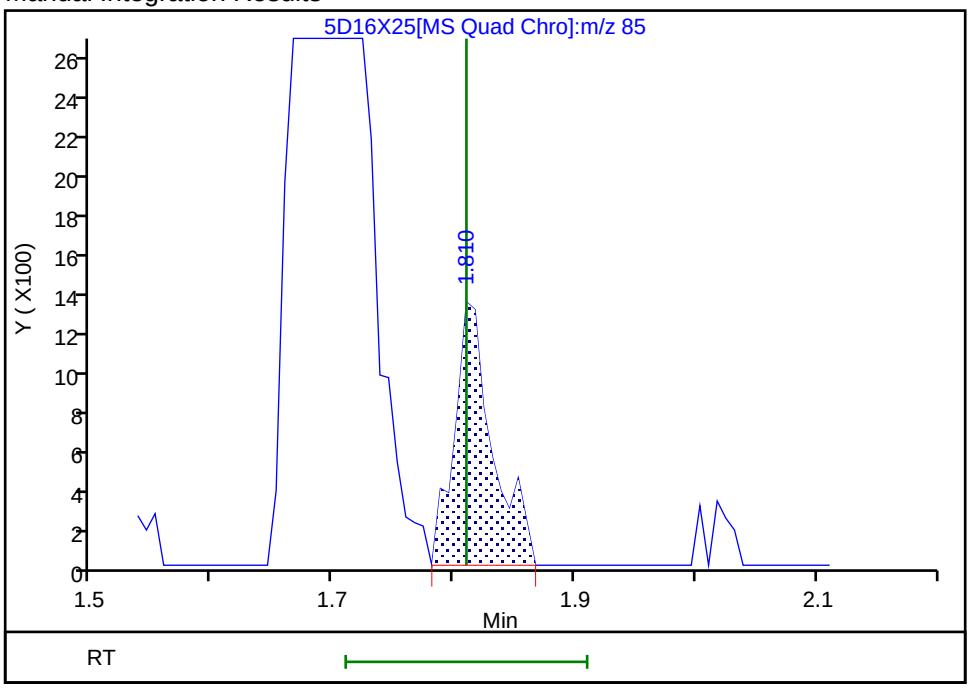
Processing Integration Results

Not Detected
Expected RT: 1.81



Manual Integration Results

RT: 1.81
Area: 2937
Amount: 0.023383
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:04:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

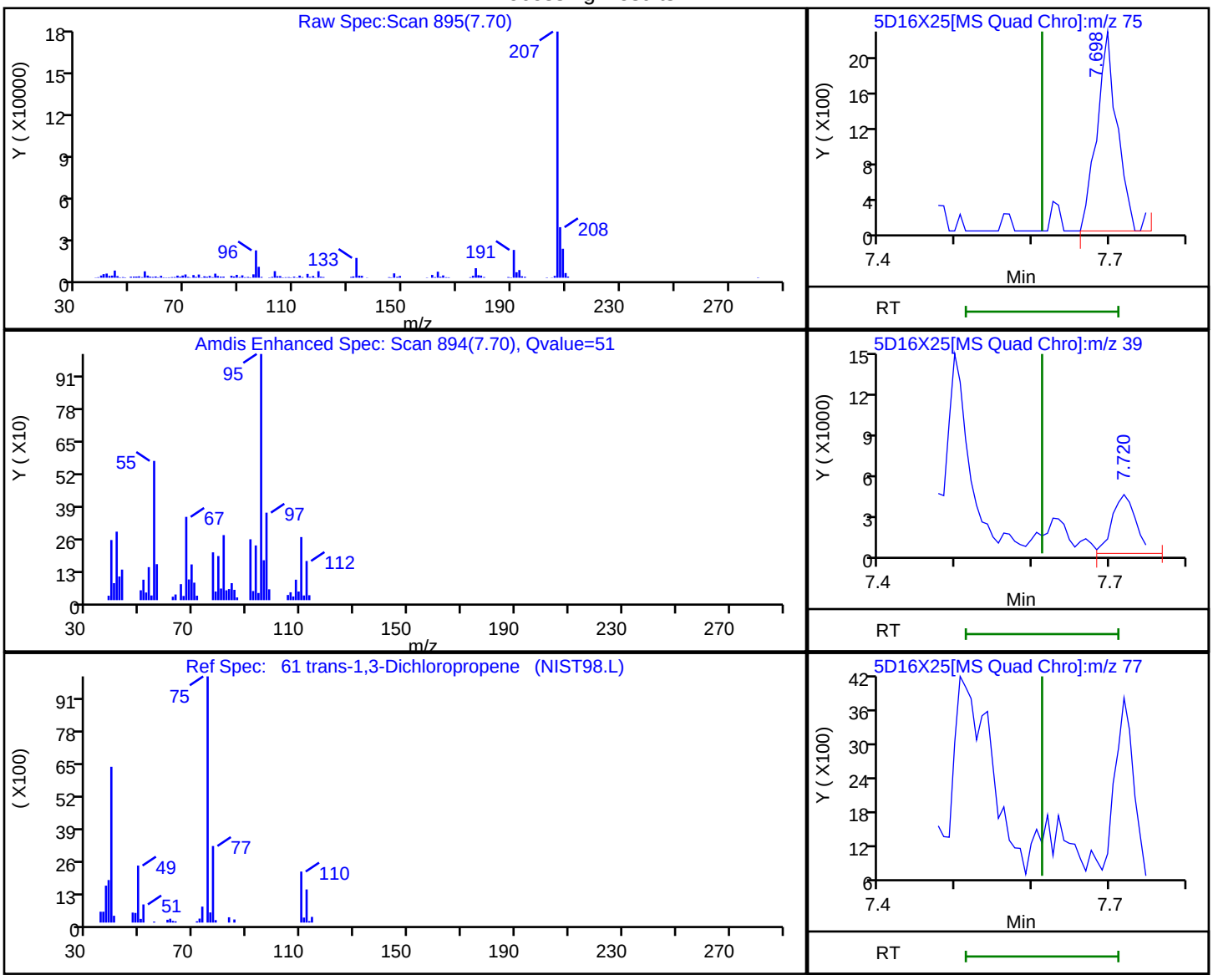
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X25.D				
Injection Date:	17-Dec-2021 05:54:59	Instrument ID:	HP22820		
Lims ID:	410-66301-A-2	Lab Sample ID:	410-66301-2		
Client ID:	IA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	25
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		

61 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
7.70	75.00	4249	0.067306
7.72	39.00	9552	
7.61	77.00	0	

Reviewer: proctore, 17-Dec-2021 22:06:57

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 E Job No.: 410-66301-1

SDG No.:

Client Sample ID: AA-1-20211208 Lab Sample ID: 410-66301-3

Matrix: Air Lab File ID: 5D16X27.D

Analysis Method: TO-15 Date Collected: 12/08/2021 15:10

Sample wt/vol: 200(mL) Date Analyzed: 12/17/2021 06:47

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 206378 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		6.9	1.0
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.65
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.9	1.0
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.65
75-34-3	1,1-Dichloroethane	ND		4.0	0.36
75-35-4	1,1-Dichloroethene	ND		4.0	0.56
96-18-4	1,2,3-Trichloropropane	ND		6.0	0.84
95-63-6	1,2,4-Trimethylbenzene	ND		9.8	1.4
106-93-4	1,2-Dibromoethane	ND		7.7	1.0
95-50-1	1,2-Dichlorobenzene	ND		6.0	1.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.32
78-87-5	1,2-Dichloropropane	ND		4.6	0.60
108-67-8	1,3,5-Trimethylbenzene	ND		9.8	1.6
106-99-0	1,3-Butadiene	ND		2.2	0.38
541-73-1	1,3-Dichlorobenzene	ND		6.0	1.8
106-46-7	1,4-Dichlorobenzene	ND		6.0	1.8
78-93-3	2-Butanone	1.3	J	2.9	0.62
591-78-6	2-Hexanone	ND		4.1	0.74
107-05-1	3-Chloroprene	ND		3.1	0.63
622-96-8	4-Ethyltoluene	ND		4.9	0.88
108-10-1	4-Methyl-2-pentanone	ND		4.1	0.61
67-64-1	Acetone	12		12	1.3
71-43-2	Benzene	ND		3.2	0.35
108-86-1	Bromobenzene	ND		6.4	1.3
75-27-4	Bromodichloromethane	ND		6.7	0.80
75-25-2	Bromoform	ND		10	1.8
74-83-9	Bromomethane	ND		3.9	0.78
75-15-0	Carbon disulfide	ND		3.1	0.40
56-23-5	Carbon tetrachloride	ND		6.3	0.88
108-90-7	Chlorobenzene	ND		4.6	0.60
75-45-6	Chlorodifluoromethane	1.4	J	3.5	0.53
75-00-3	Chloroethane	ND		2.6	0.79
67-66-3	Chloroform	ND		4.9	0.45
74-87-3	Chloromethane	0.85	J	2.1	0.50
156-59-2	cis-1,2-Dichloroethene	ND		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	ND		4.5	0.45

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Client Sample ID: AA-1-20211208 Lab Sample ID: 410-66301-3

Matrix: Air Lab File ID: 5D16X27.D

Analysis Method: TO-15 Date Collected: 12/08/2021 15:10

Sample wt/vol: 200(mL) Date Analyzed: 12/17/2021 06:47

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 206378 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Cumene	ND		4.9	1.2
124-48-1	Dibromochloromethane	ND		8.5	1.1
74-95-3	Dibromomethane	ND		7.1	1.0
75-71-8	Dichlorodifluoromethane	2.8	J	4.9	0.64
75-43-4	Dichlorofluoromethane	ND		4.2	0.46
100-41-4	Ethylbenzene	ND		4.3	0.83
76-13-1	Freon 113	ND		7.7	1.5
76-14-2	Freon-114	ND		7.0	0.84
142-82-5	Heptane	ND		4.1	0.94
67-72-1	Hexachloroethane	ND		19	2.6
110-54-3	Hexane	ND		3.5	1.1
540-84-1	Isooctane	ND		4.7	0.93
179601-23-1	m&p-Xylene	ND		4.3	1.1
1634-04-4	Methyl t-butyl ether	ND		3.6	0.54
75-09-2	Methylene Chloride	0.97	J	6.9	0.87
95-47-6	o-Xylene	ND		4.3	0.83
111-65-9	Octane	ND		9.3	1.9
109-66-0	Pentane	1.5	J	3.0	0.59
100-42-5	Styrene	ND		4.3	0.85
127-18-4	Tetrachloroethene	ND		14	1.7
108-88-3	Toluene	ND		3.8	0.45
156-60-5	trans-1,2-Dichloroethene	ND		4.0	0.79
10061-02-6	trans-1,3-Dichloropropene	ND		4.5	0.54
79-01-6	Trichloroethene	ND		5.4	0.97
75-69-4	Trichlorofluoromethane	1.4	J	5.6	0.84
75-01-4	Vinyl chloride	ND		2.6	0.31

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D
Lims ID: 410-66301-A-3
Client ID: AA-1-20211208
Sample Type: Client
Inject. Date: 17-Dec-2021 06:47:38 ALS Bottle#: 0 Worklist Smp#: 27
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 66301-3
Misc. Info.: 410-0046560-027
Operator ID: etp33087 Instrument ID: HP22820

Method: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 17-Dec-2021 22:13:30 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1636

First Level Reviewer: proctore Date: 17-Dec-2021 22:10:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	1.695	1.681	0.014	99	62986	0.5734	
3 Chlorodifluoromethane	51	1.695	1.695	-0.008	28	20807	0.4047	M
5 Chloromethane	50	1.853	1.875	-0.022	25	10484	0.4100	
12 Trichlorofluoromethane	101	2.806	2.799	0.007	97	31180	0.2580	
13 Pentane	43	2.899	2.906	-0.007	91	23553	0.4980	
18 Acetone	43	3.565	3.551	0.014	100	221271	4.96	
22 3-Chloro-1-propene	41	3.909	3.892	0.022	77	10901	0.1904	
24 Methylene Chloride	84	4.038	4.038	0.007	86	10552	0.2782	
35 2-Butanone (MEK)	43	5.284	5.284	0.007	97	21329	0.4388	M
* 38 Chlorobromomethane (IS)	130	5.470	5.463	0.007	84	206107	10.0	
43 Carbon tetrachloride	117	5.807	5.807	0.000	63	3925	0.0405	7M
44 Benzene	78	5.986	5.979	0.007	88	7852	0.0726	
* 49 1,4-Difluorobenzene	114	6.287	6.280	0.007	93	753612	10.0	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	83	943709	10.0	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

AIRIS200 ppb_00087 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 17-Dec-2021 22:13:56 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D

Injection Date: 17-Dec-2021 06:47:38 Instrument ID: HP22820

Lims ID: 410-66301-A-3 Lab Sample ID: 410-66301-3

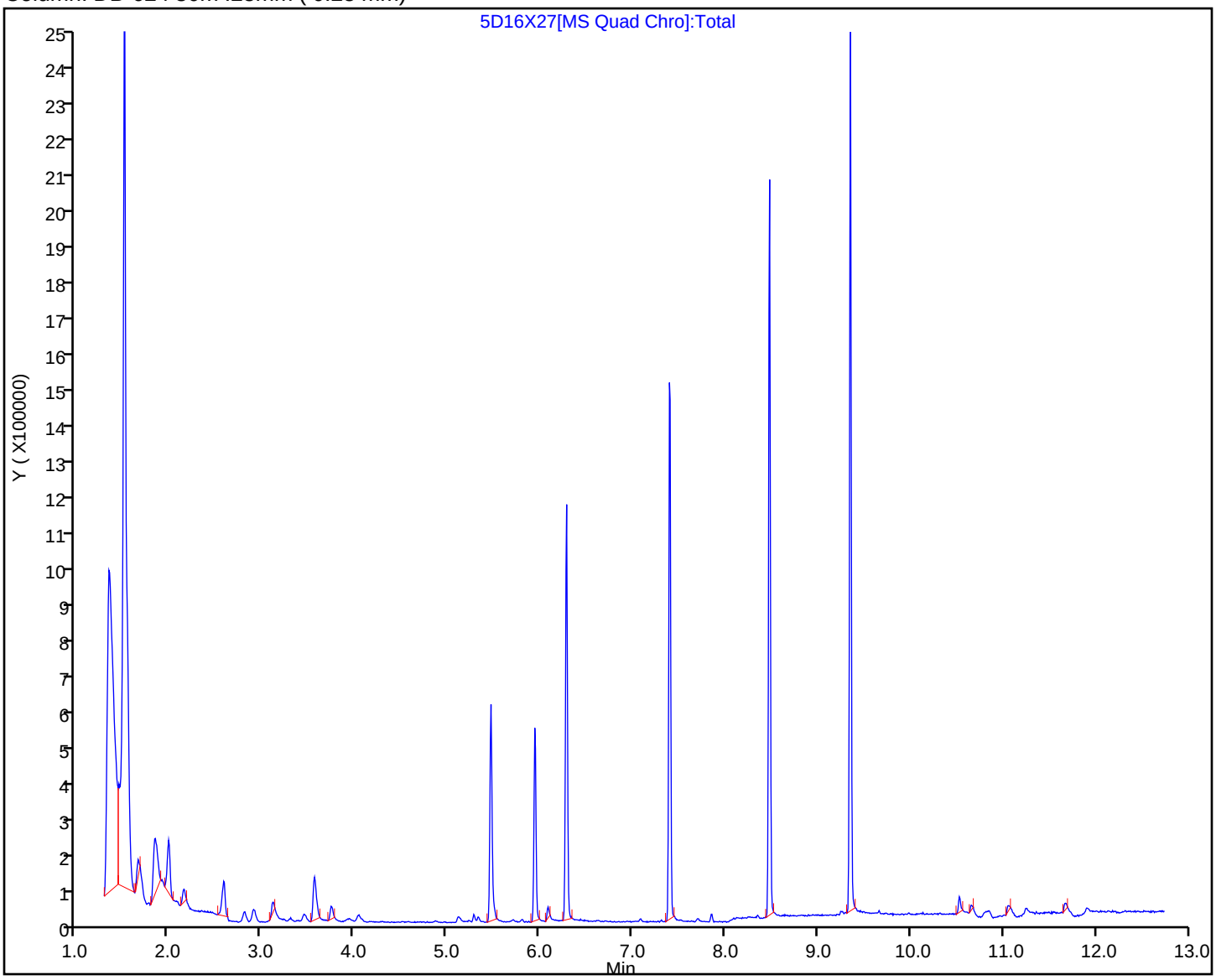
Client ID: AA-1-20211208

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 27

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)



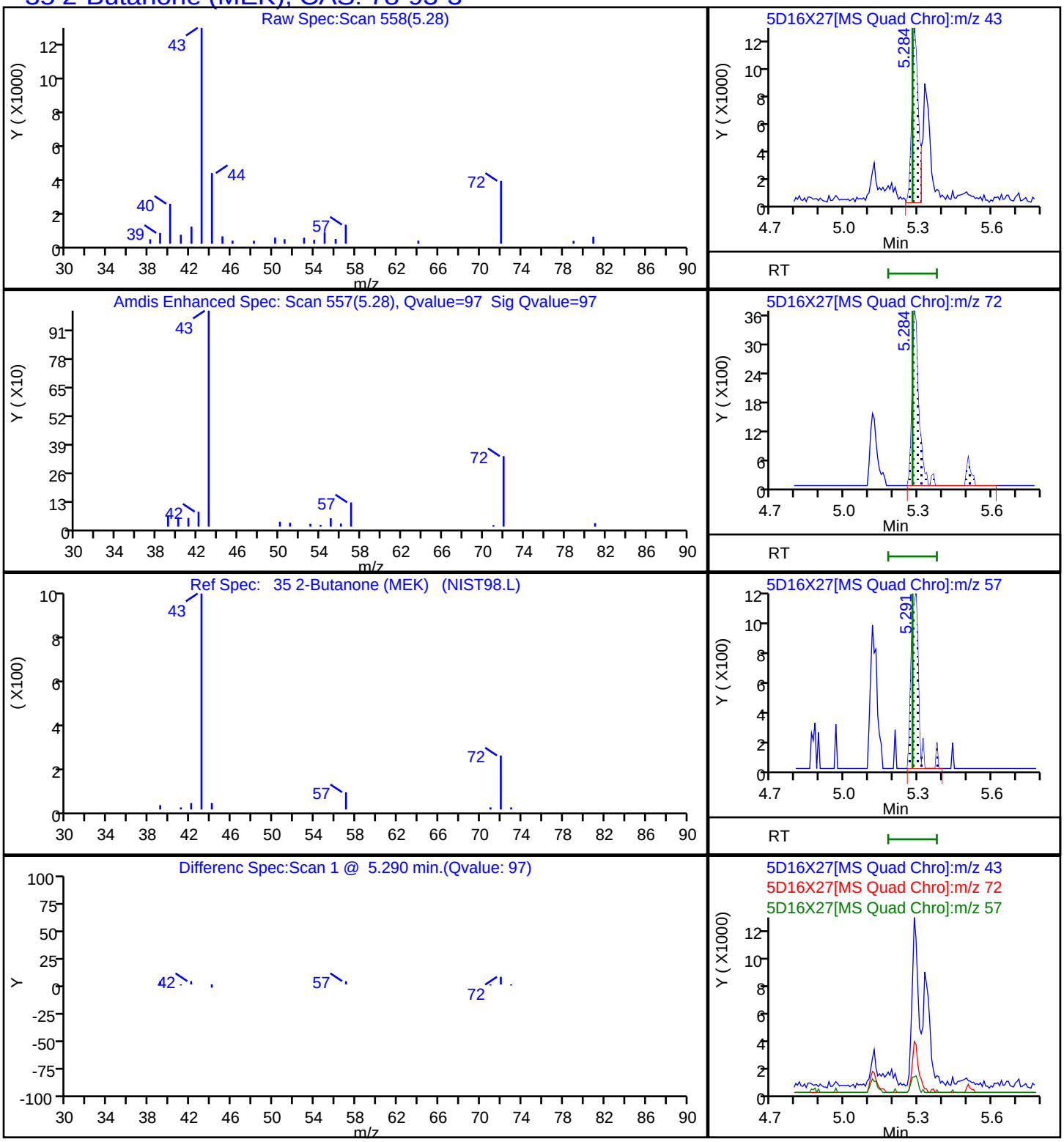
Report Date: 17-Dec-2021 22:13:56 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D

Injection Date:	17-Dec-2021 06:47:38	Instrument ID:	HP22820		
Lims ID:	410-66301-A-3	Lab Sample ID:	410-66301-3		
Client ID:	AA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	27
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		

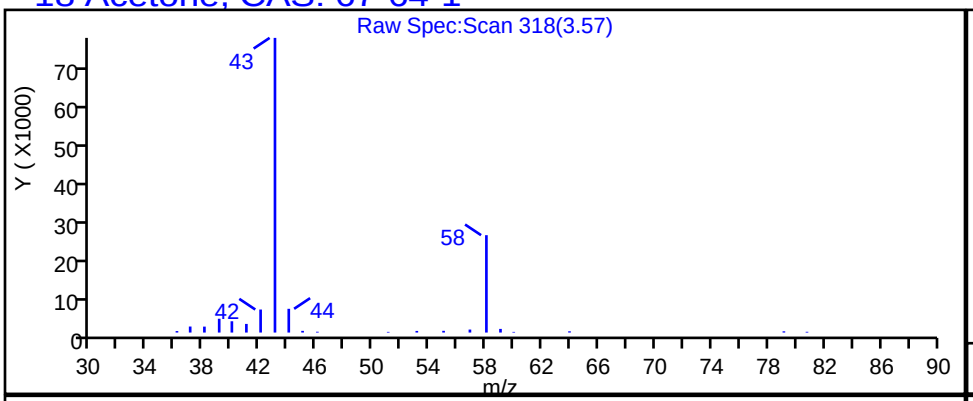
35 2-Butanone (MEK), CAS: 78-93-3

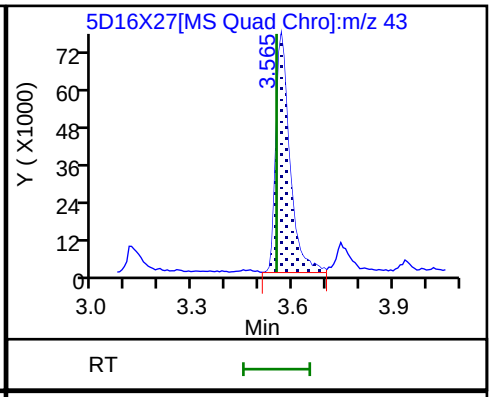


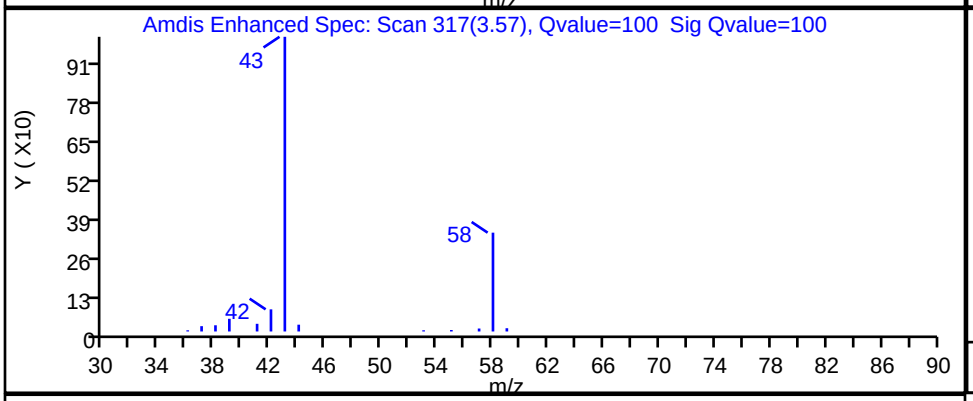
Eurofins Lancaster Laboratories Env, LLC

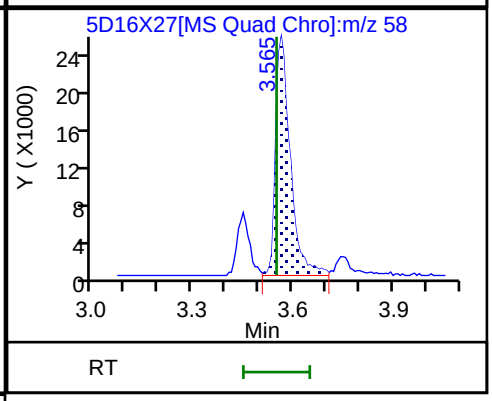
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D				
Injection Date:	17-Dec-2021 06:47:38	Instrument ID:	HP22820		
Lims ID:	410-66301-A-3	Lab Sample ID:	410-66301-3		
Client ID:	AA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

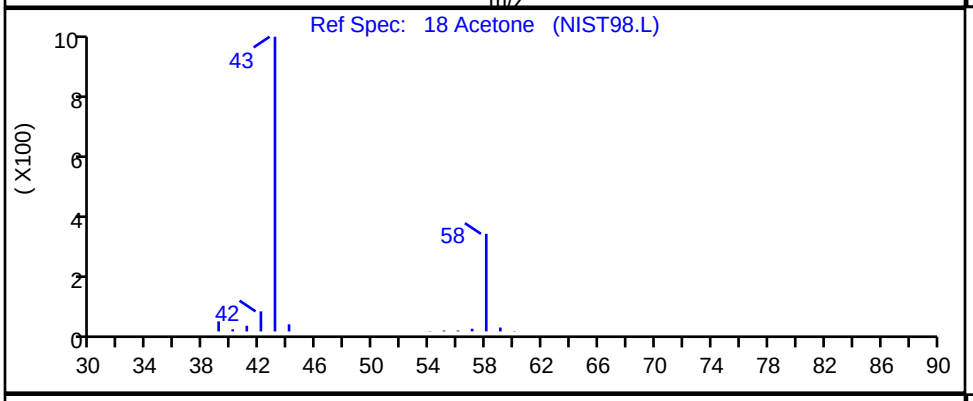
18 Acetone, CAS: 67-64-1

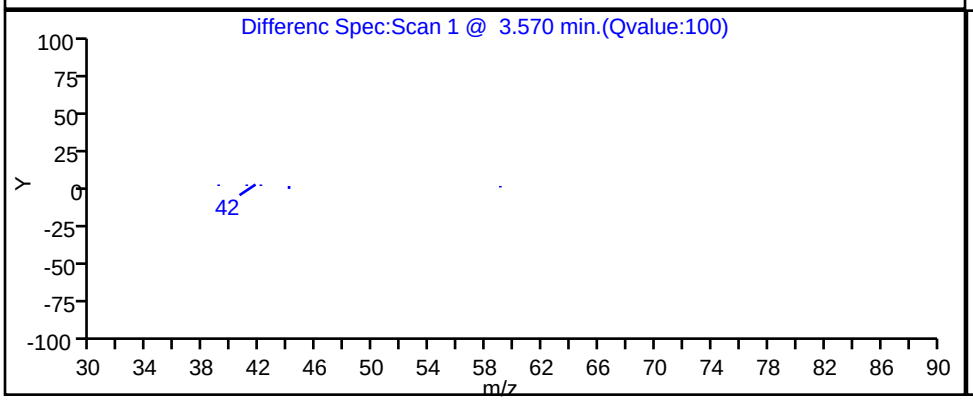


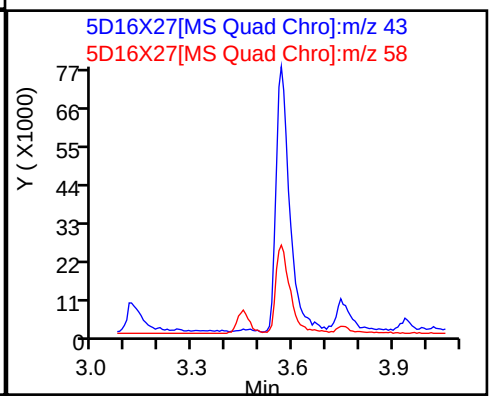












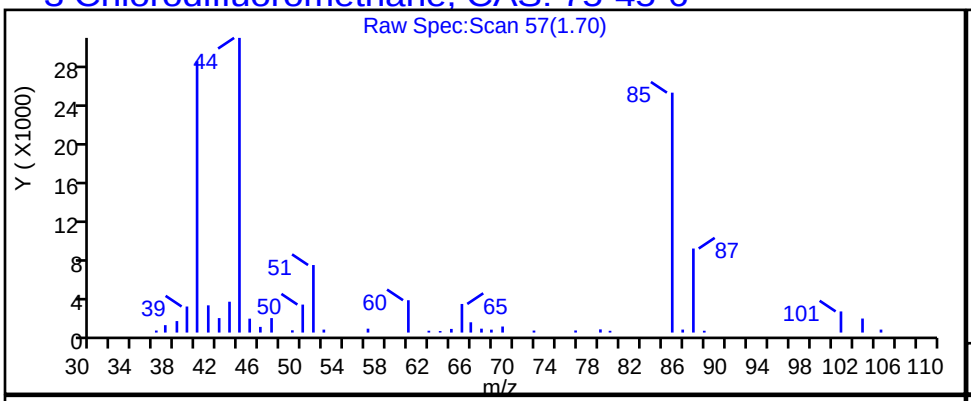
Report Date: 17-Dec-2021 22:13:56 Chrom Revision: 2.3 15-Nov-2021 20:34:30

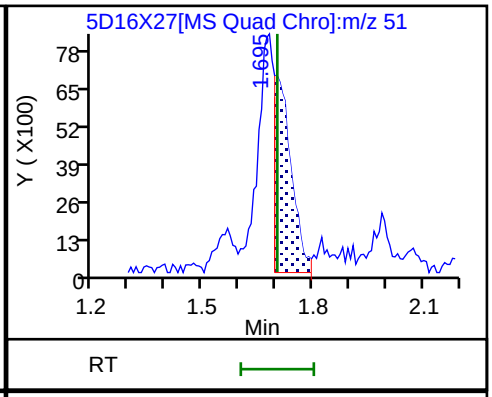
Eurofins Lancaster Laboratories Env, LLC

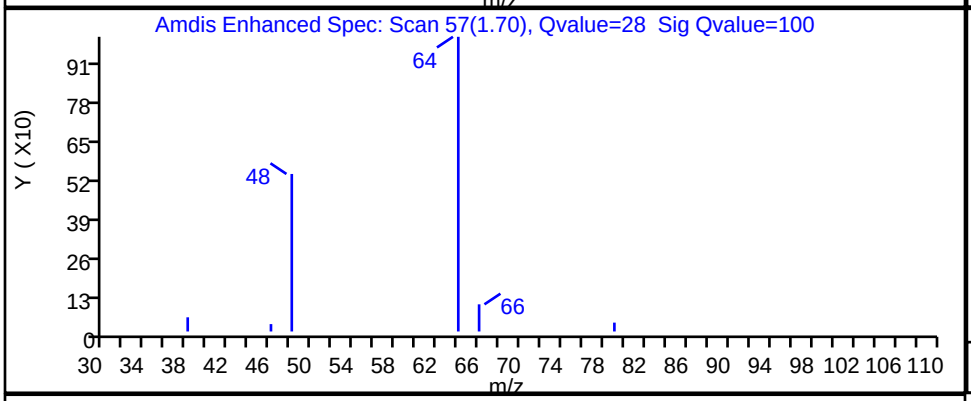
Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D

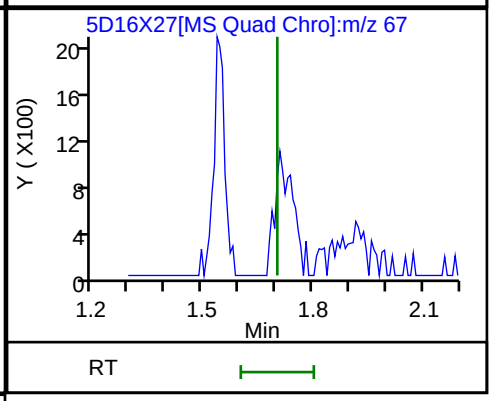
Injection Date:	17-Dec-2021 06:47:38	Instrument ID:	HP22820		
Lims ID:	410-66301-A-3	Lab Sample ID:	410-66301-3		
Client ID:	AA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

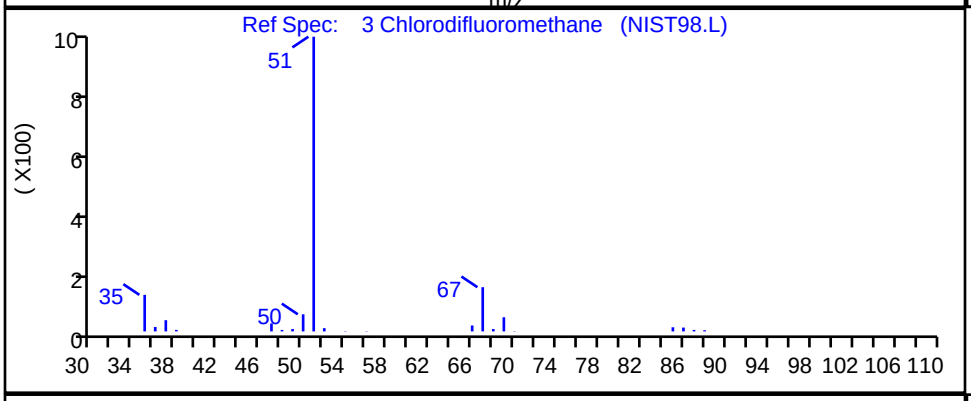
3 Chlorodifluoromethane, CAS: 75-45-6

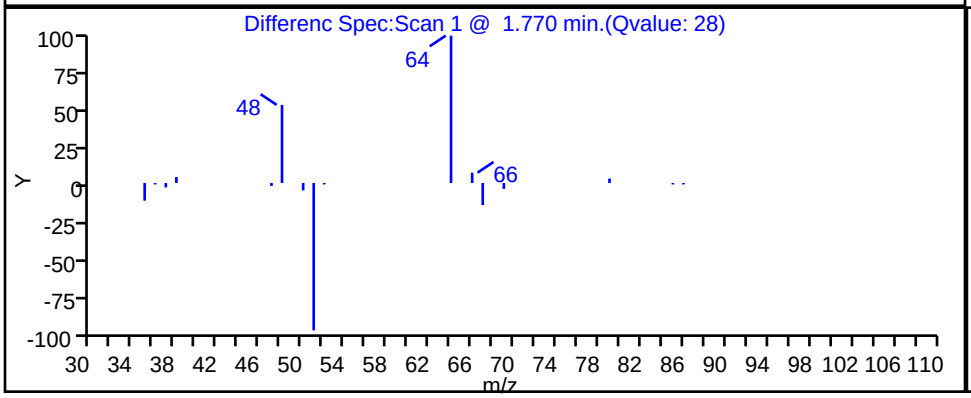


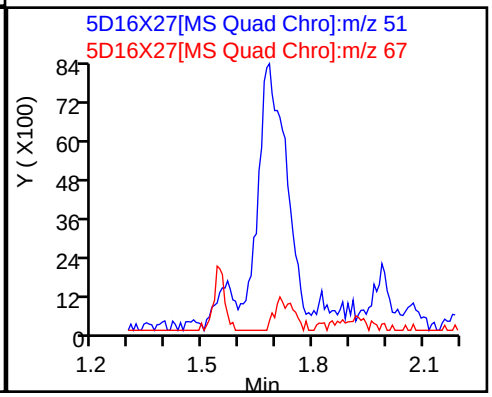












Report Date: 17-Dec-2021 22:13:56 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D

Injection Date: 17-Dec-2021 06:47:38 Instrument ID: HP22820

Lims ID: 410-66301-A-3 Lab Sample ID: 410-66301-3

Client ID: AA-1-20211208

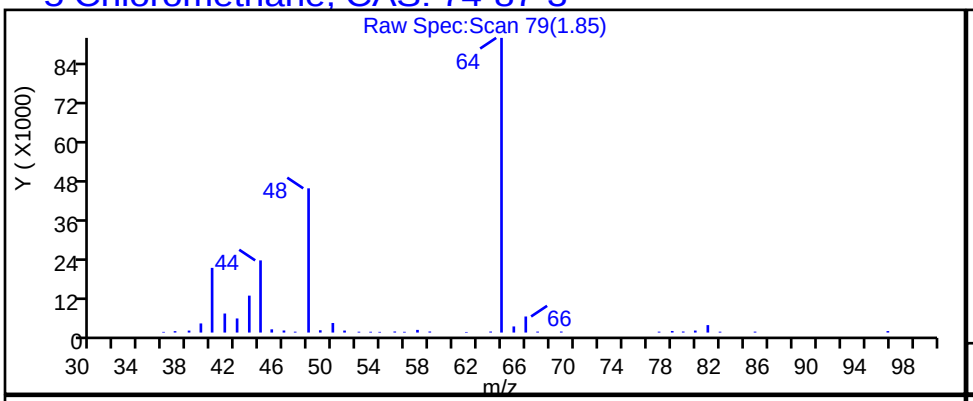
Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 27

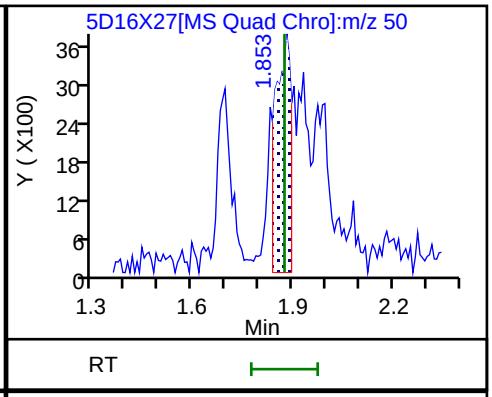
Purge Vol: 200.000 mL Dil. Factor: 1.0000

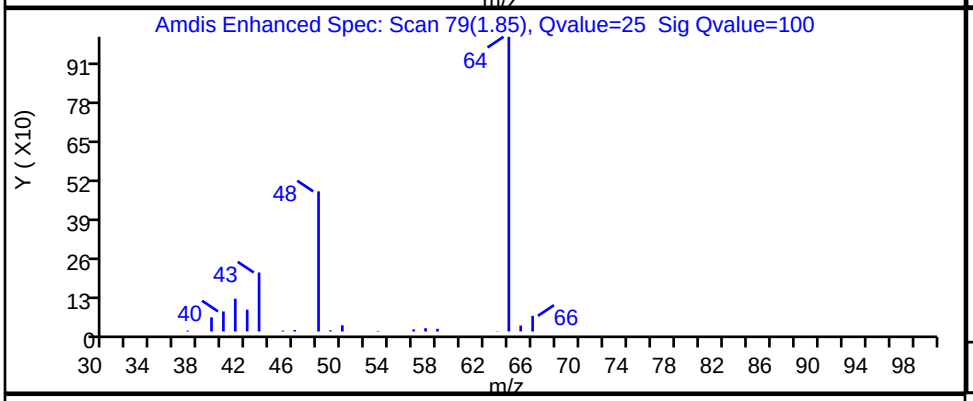
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15

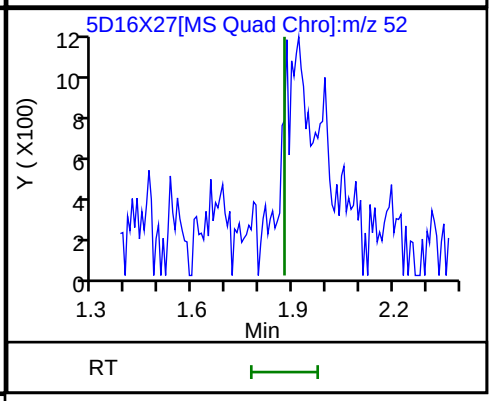
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

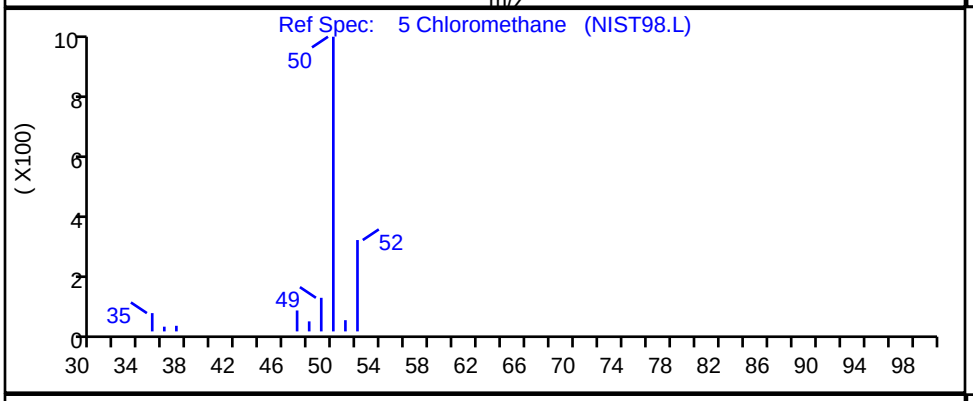
5 Chloromethane, CAS: 74-87-3

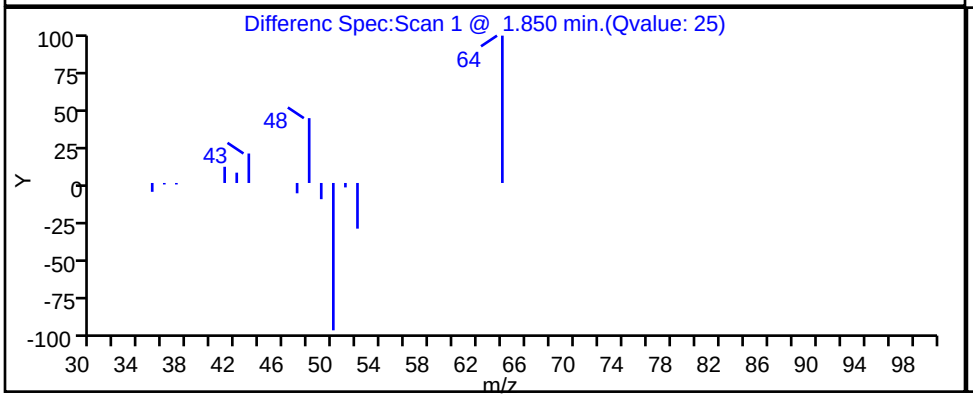


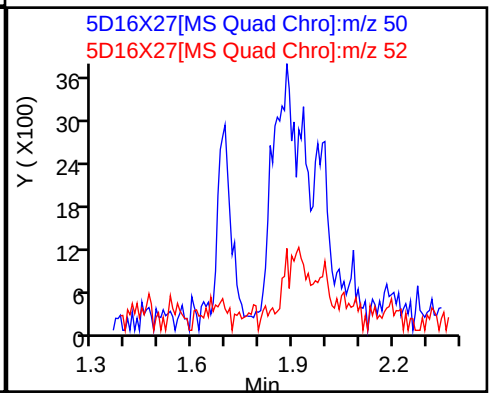












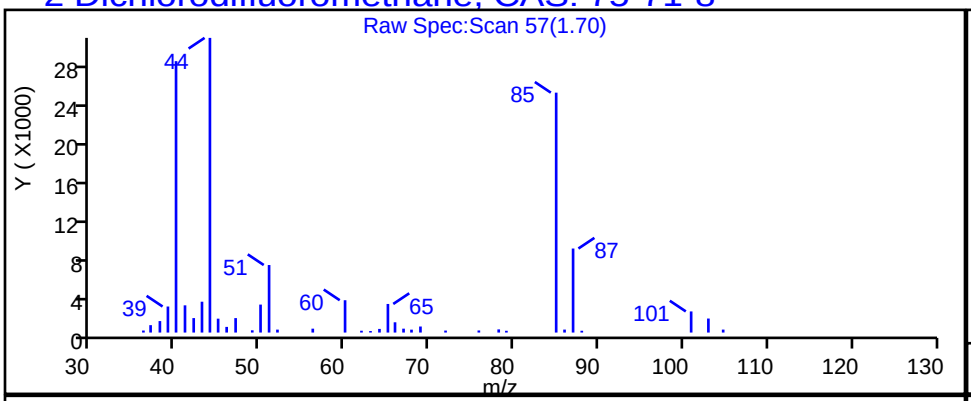
Report Date: 17-Dec-2021 22:13:56 Chrom Revision: 2.3 15-Nov-2021 20:34:30

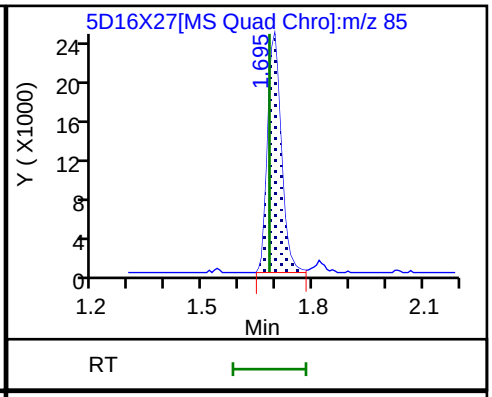
Eurofins Lancaster Laboratories Env, LLC

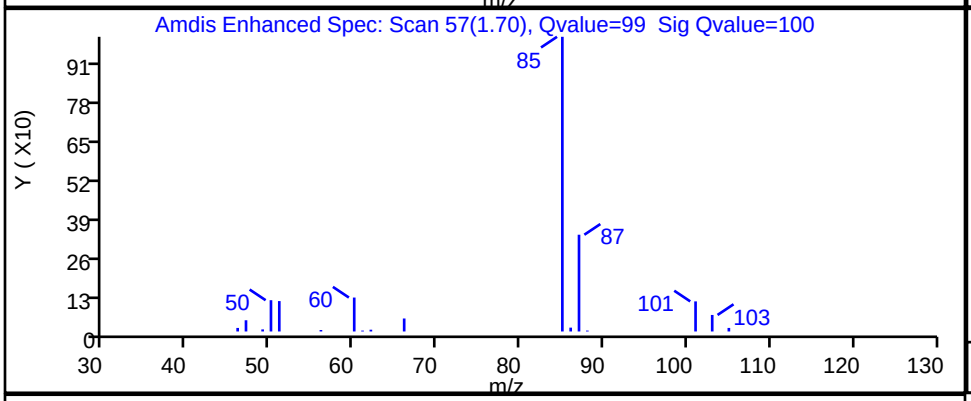
Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D

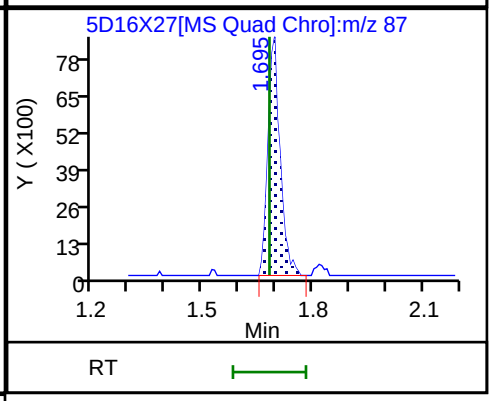
Injection Date:	17-Dec-2021 06:47:38	Instrument ID:	HP22820		
Lims ID:	410-66301-A-3	Lab Sample ID:	410-66301-3		
Client ID:	AA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

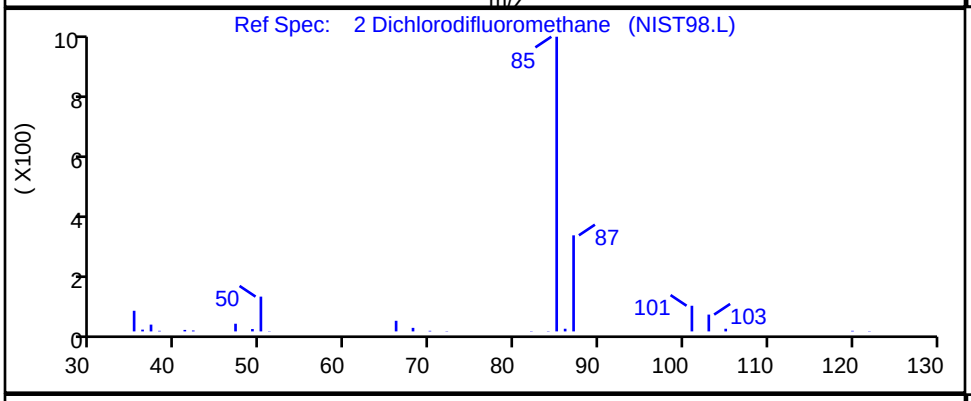
2 Dichlorodifluoromethane, CAS: 75-71-8

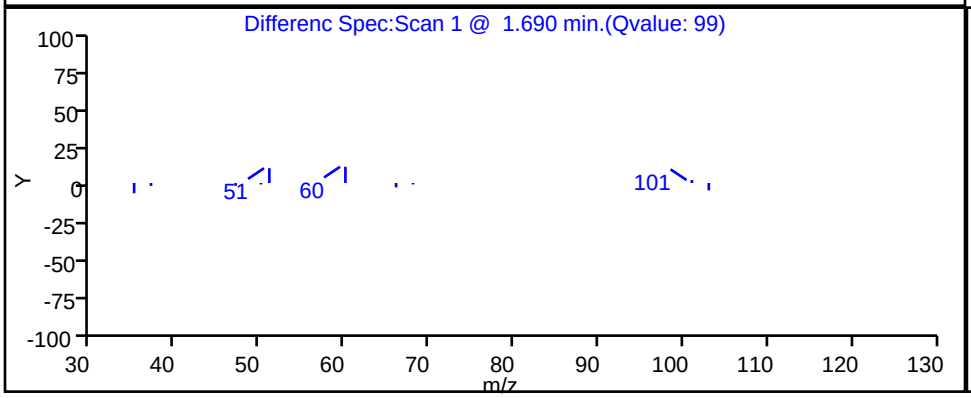


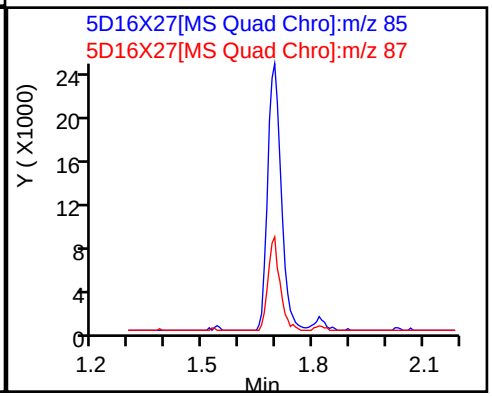












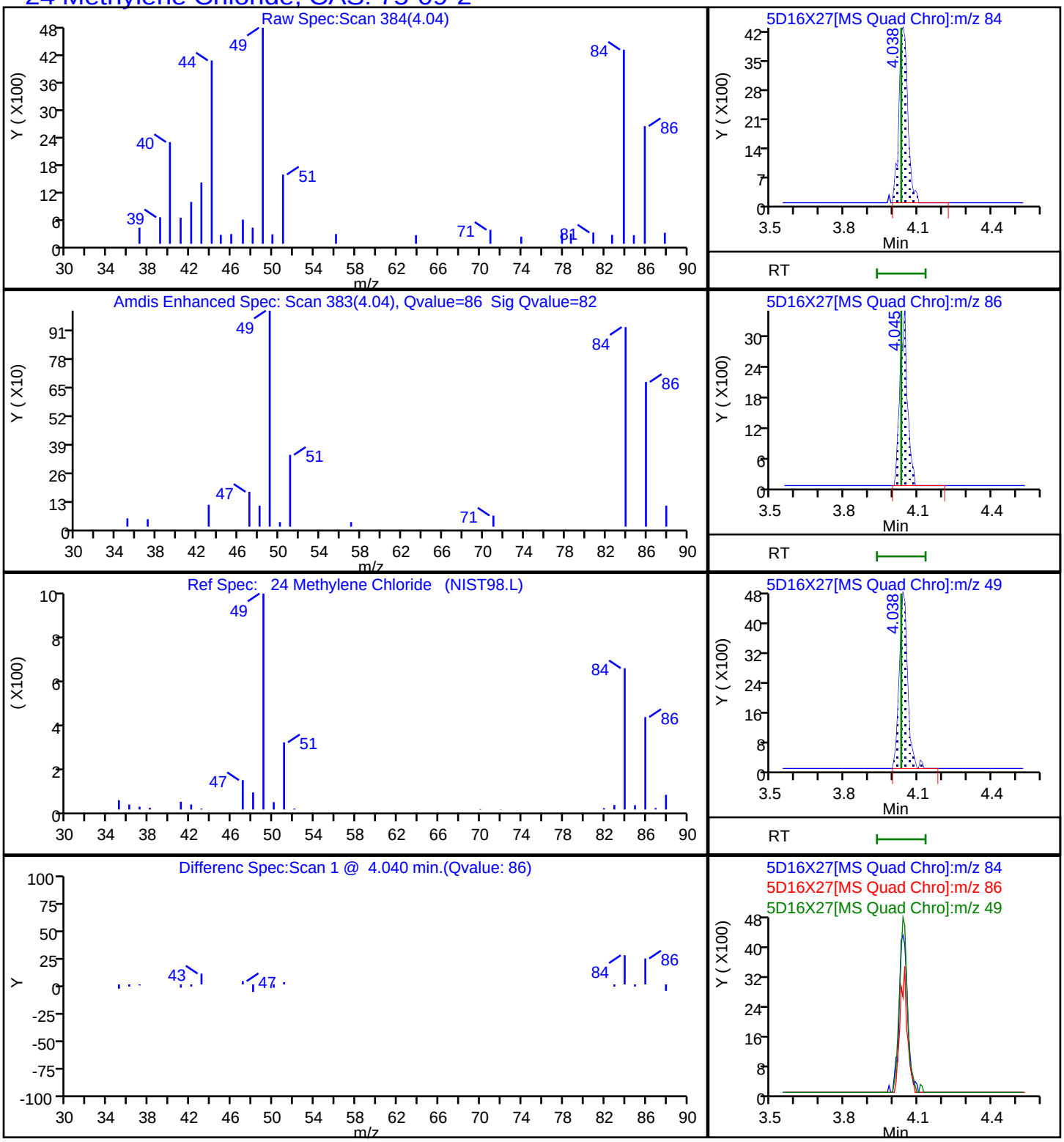
Report Date: 17-Dec-2021 22:13:56 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D

Injection Date:	17-Dec-2021 06:47:38	Instrument ID:	HP22820		
Lims ID:	410-66301-A-3	Lab Sample ID:	410-66301-3		
Client ID:	AA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	27
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		

24 Methylene Chloride, CAS: 75-09-2



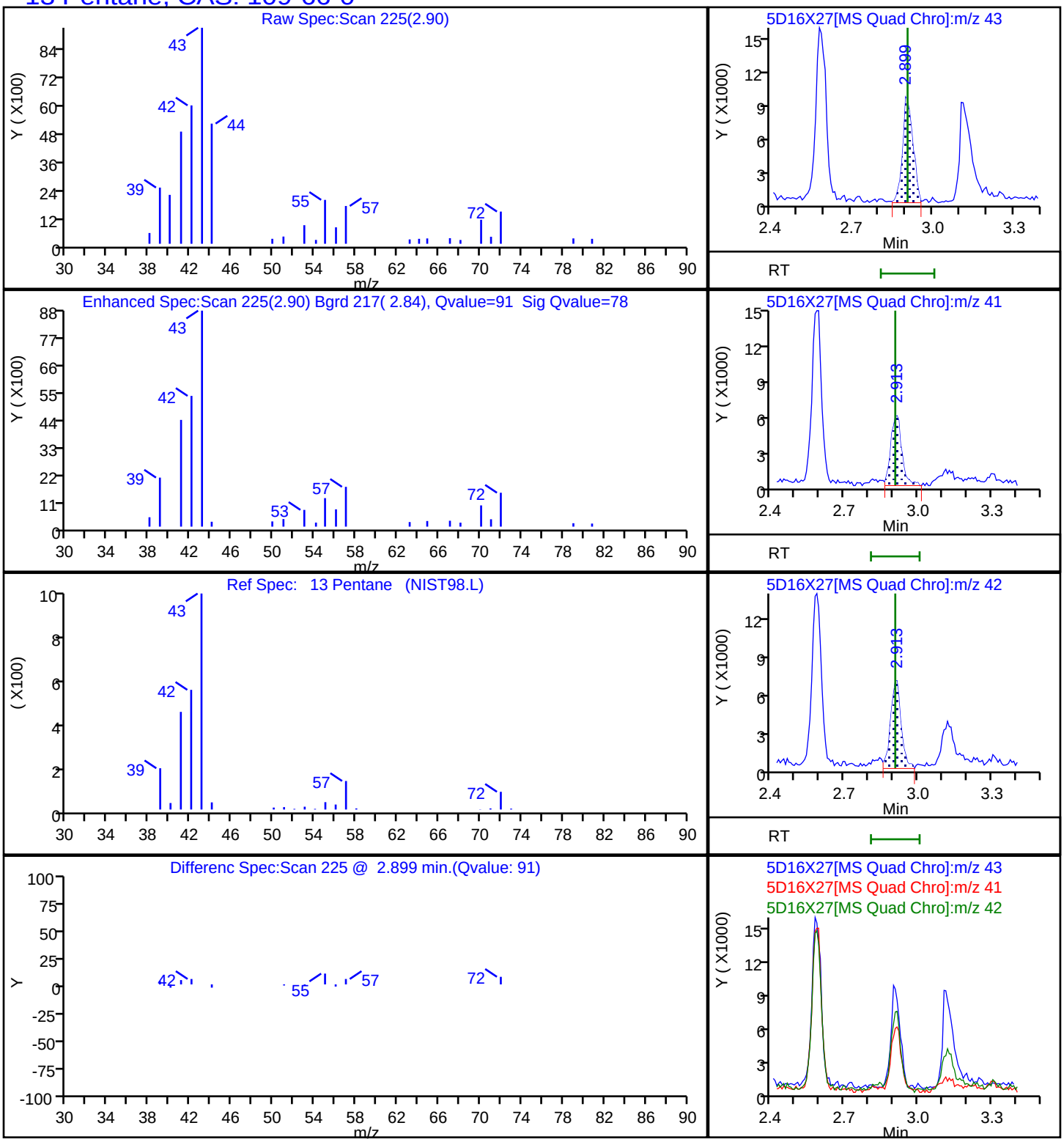
Report Date: 17-Dec-2021 22:13:56 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D

Injection Date:	17-Dec-2021 06:47:38	Instrument ID:	HP22820		
Lims ID:	410-66301-A-3	Lab Sample ID:	410-66301-3		
Client ID:	AA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	27
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		

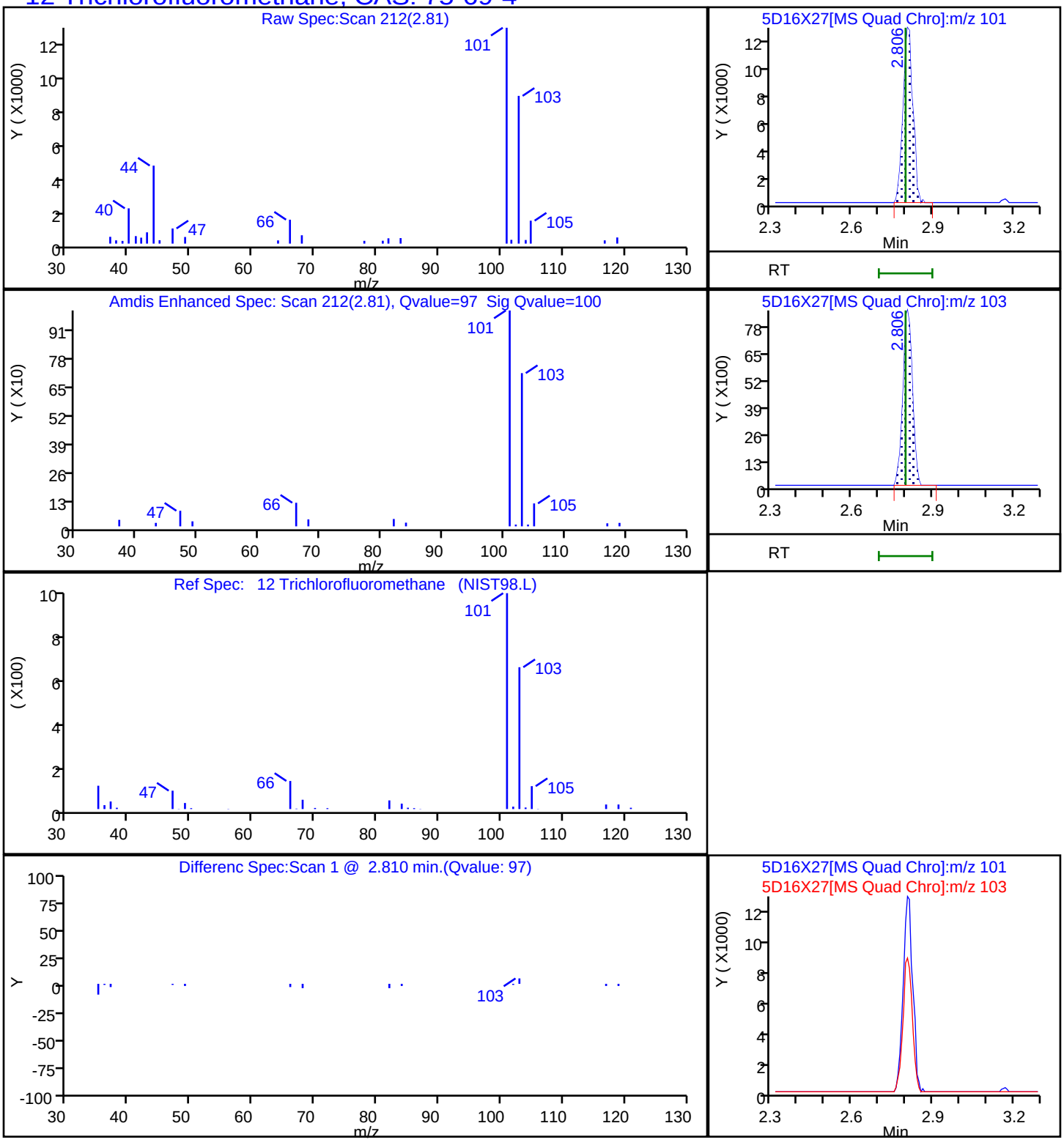
13 Pentane, CAS: 109-66-0



Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D				
Injection Date:	17-Dec-2021 06:47:38	Instrument ID:	HP22820		
Lims ID:	410-66301-A-3	Lab Sample ID:	410-66301-3		
Client ID:	AA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	27
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		

12 Trichlorofluoromethane, CAS: 75-69-4



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

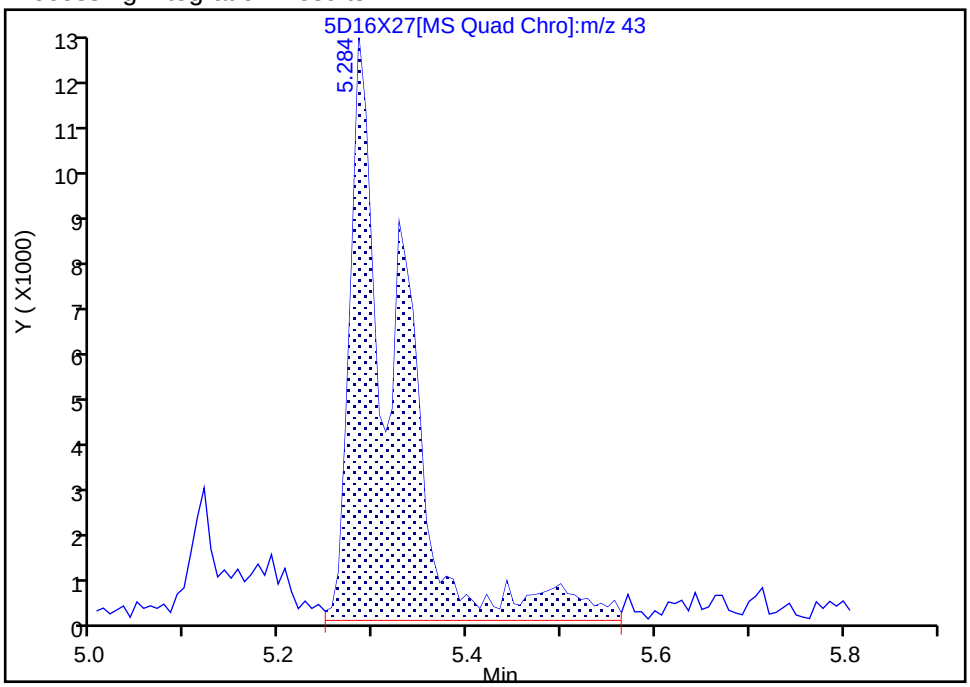
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D				
Injection Date:	17-Dec-2021 06:47:38	Instrument ID:	HP22820		
Lims ID:	410-66301-A-3	Lab Sample ID:	410-66301-3		
Client ID:	AA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

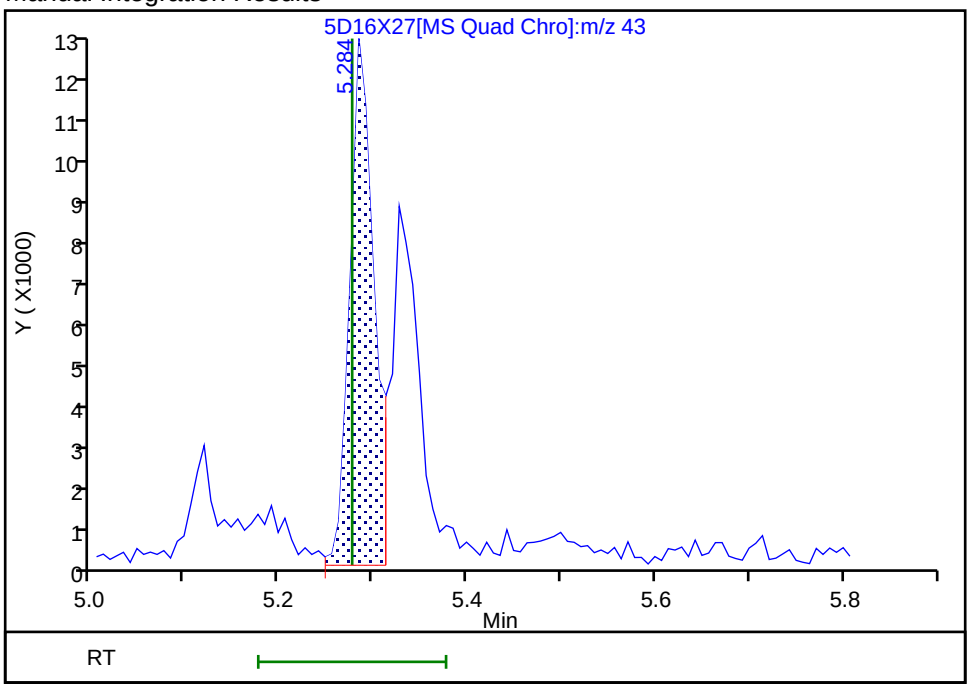
Processing Integration Results

RT: 5.28
Area: 42956
Amount: 0.883631
Amount Units: ppb v/v



Manual Integration Results

RT: 5.28
Area: 21329
Amount: 0.438751
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:09:55

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

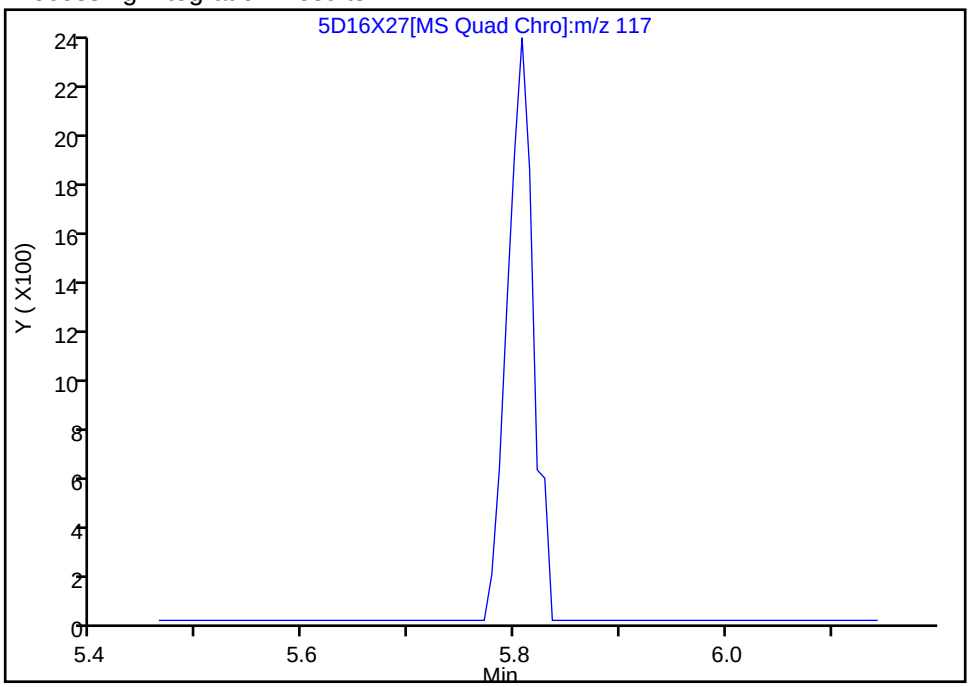
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D				
Injection Date:	17-Dec-2021 06:47:38	Instrument ID:	HP22820		
Lims ID:	410-66301-A-3	Lab Sample ID:	410-66301-3		
Client ID:	AA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

43 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

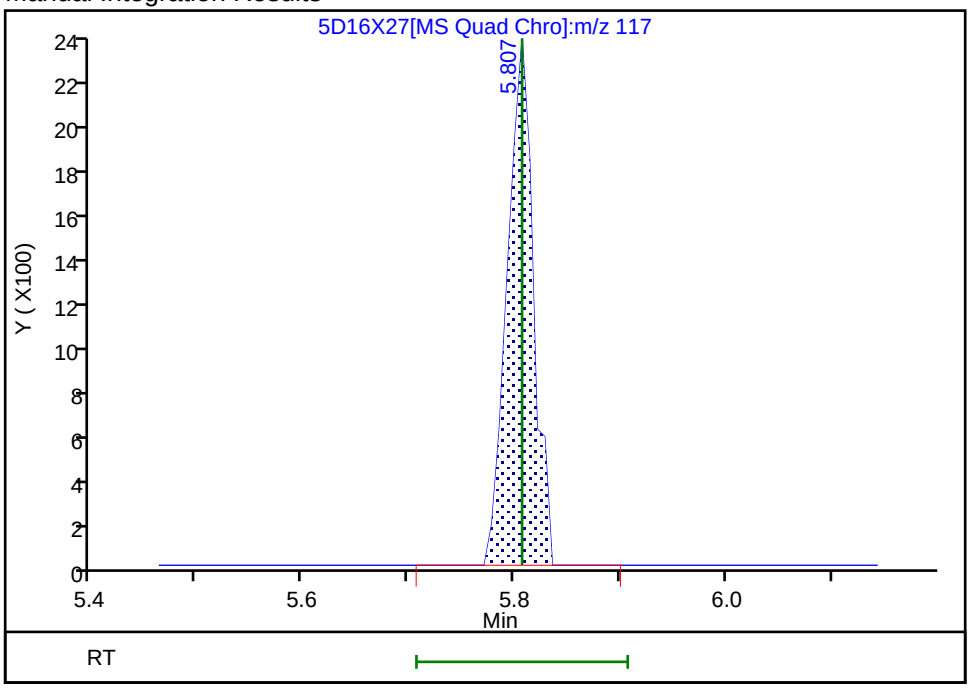
Not Detected
Expected RT: 5.81

Processing Integration Results



Manual Integration Results

RT: 5.81
Area: 3925
Amount: 0.040527
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:10:06
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

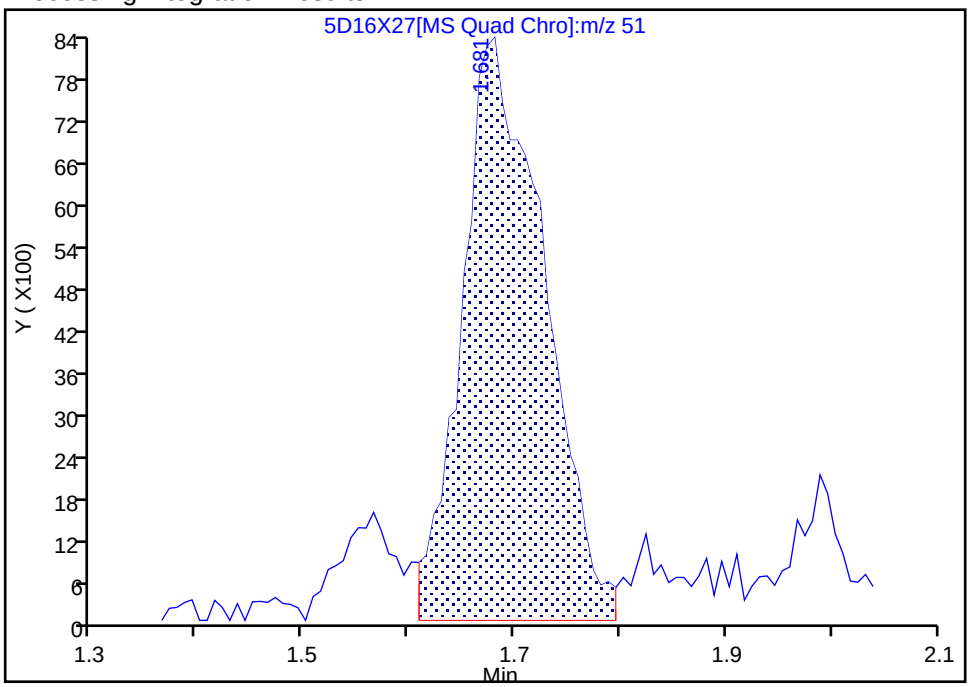
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D				
Injection Date:	17-Dec-2021 06:47:38	Instrument ID:	HP22820		
Lims ID:	410-66301-A-3	Lab Sample ID:	410-66301-3		
Client ID:	AA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

3 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

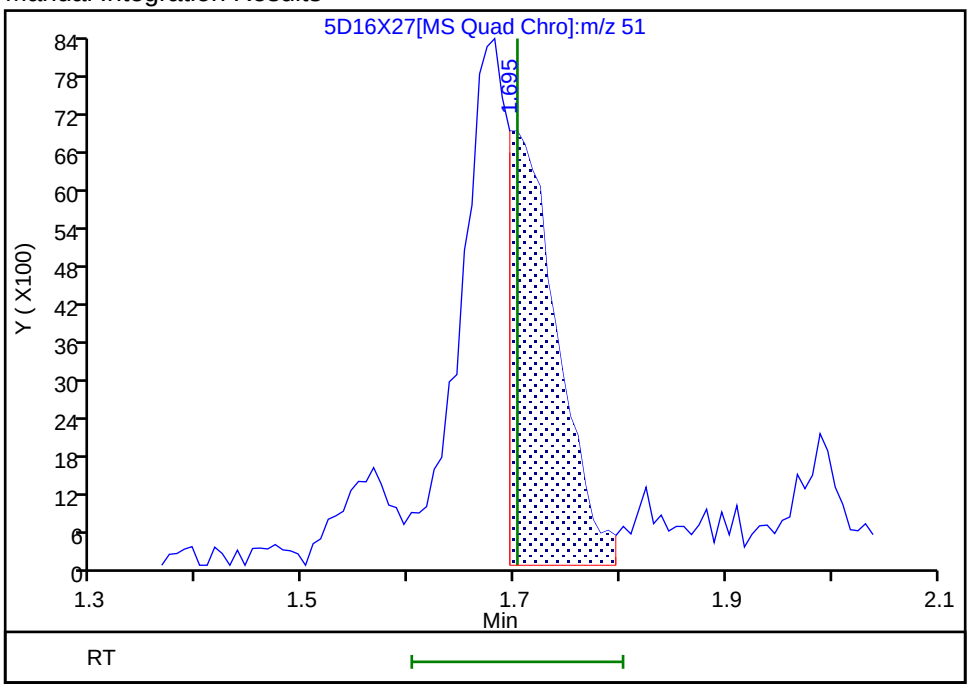
Processing Integration Results

RT: 1.68
Area: 45065
Amount: 0.876573
Amount Units: ppb v/v



Manual Integration Results

RT: 1.70
Area: 20807
Amount: 0.404723
Amount Units: ppb v/v



Reviewer: proctore, 17-Dec-2021 22:09:05

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

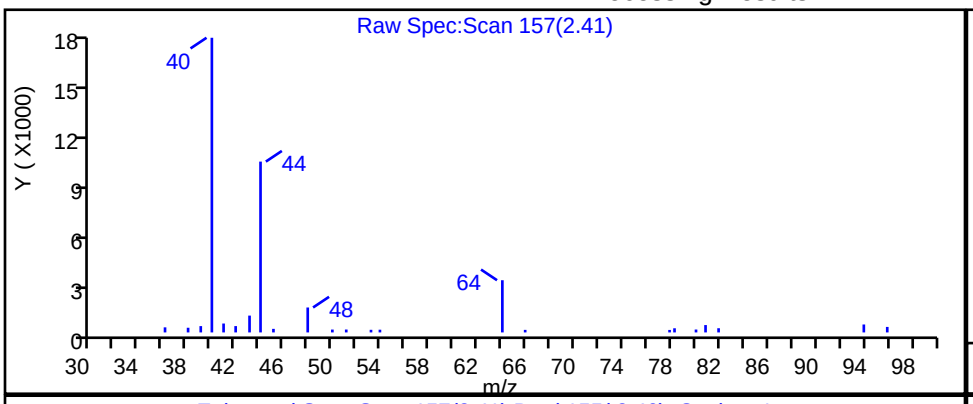
User Disabled Compound Report

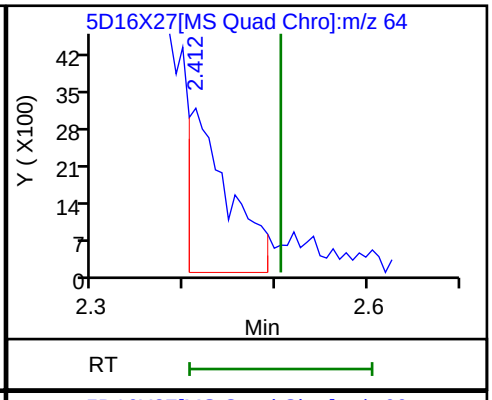
Eurofins Lancaster Laboratories Env, LLC

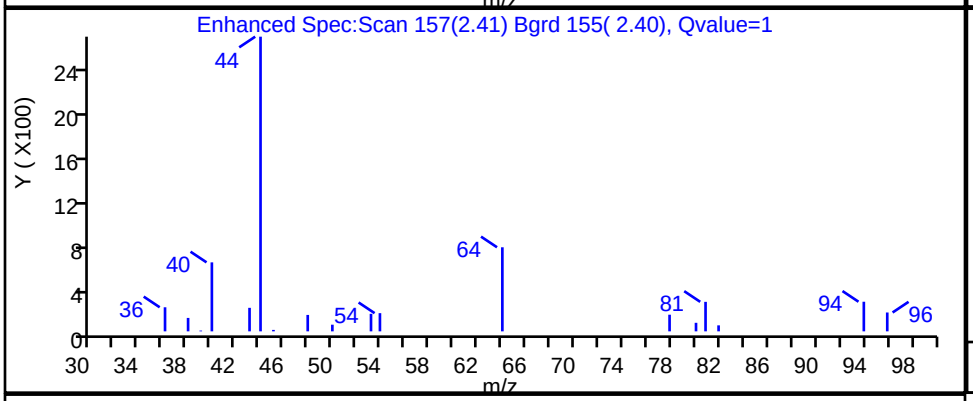
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X27.D				
Injection Date:	17-Dec-2021 06:47:38	Instrument ID:	HP22820		
Lims ID:	410-66301-A-3	Lab Sample ID:	410-66301-3		
Client ID:	AA-1-20211208				
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

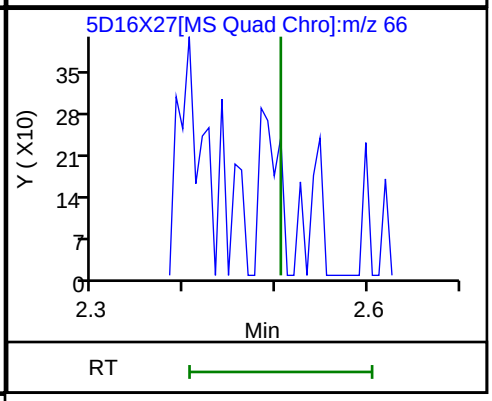
9 Chloroethane, CAS: 75-00-3

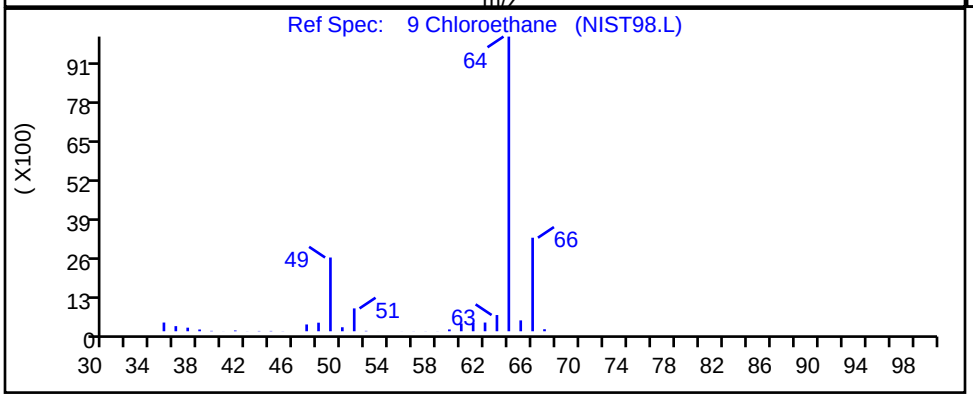
Processing Results











RT	Mass	Response	Amount
2.41	64.00	8978	0.380566
2.50	66.00	0	

Reviewer: proctore, 17-Dec-2021 22:09:32

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-199946/3	5N30X31.D
Level 2	IC 410-199946/4	5N30X32.D
Level 3	IC 410-199946/5	5N30X33.D
Level 4	IC 410-199946/6	5N30X34.D
Level 5	IC 410-199946/7	5N30X35.D
Level 6	ICISAV 410-199946/8	5N30X36.D
Level 7	IC 410-199946/9	5N30X37.D
Level 8	IC 410-199946/10	5N30X38.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propene	1.4347 1.1327	1.2451 1.1064	1.0875 1.0141	1.1013	1.0640	Ave		1.1482				11.6		30.0			
Dichlorodifluoromethane	5.4259 5.5245	5.5483 5.2620	5.5549 4.6126	5.4255	5.2865	Ave		5.3300				5.8		30.0			
Chlorodifluoromethane	2.6471 2.5287	2.6327 2.4399	2.5731 2.1007	2.5678	2.4648	Ave		2.4944				7.0		30.0			
Freon-114	6.0604 5.8170	5.9002 5.4576	6.0457 4.7222	5.8381	5.5529	Ave		5.6743				7.7		30.0			
Chloromethane	+++++ 1.0742	1.8179 1.0561	1.4836 0.8529	1.2611	1.1383	Ave		1.2406				25.8		30.0			
Vinyl chloride	1.8377 1.8081	1.7949 1.7315	1.7560 1.5874	1.7605	1.7194	Ave		1.7494				4.4		30.0			
1,3-Butadiene	1.2908 1.3033	1.2236 1.2619	1.1589 1.1633	1.1762	1.1930	Ave		1.2214				4.7		30.0			
Bromomethane	2.2355 1.8507	2.0613 1.7110	1.7984 1.6173	1.8349	1.7380	Ave		1.8559				10.8		30.0			
Chloroethane	1.6922 1.0132	1.2531 0.9747	1.2750 0.8613	1.1140	0.9734	Ave		1.1446				23.0		30.0			
Bromoethene	1.8122 2.0355	1.9297 2.0192	1.8497 1.8882	1.8471	1.8455	Ave		1.9034				4.4		30.0			
Dichlorofluoromethane	3.8547 4.1699	4.1057 3.9714	4.0104 3.4669	4.1162	4.0100	Ave		3.9631				5.6		30.0			
Trichlorofluoromethane	6.3019 5.9967	5.9558 5.6221	6.3210 5.0012	5.9698	5.7351	Ave		5.8629				7.2		30.0			
Pentane	2.2053 2.5139	2.1676 2.5181	2.2032 2.3245	2.1663	2.2594	Ave		2.2948				6.4		30.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.4026	0.6673 0.4587	0.4728 0.4314	0.4138	0.3837	Ave		0.4615				20.8		30.0			
Acrolein	0.4291 0.5693	0.4991 0.6081	0.4846 0.5770	0.4820	0.5114	Ave		0.5201				11.5		30.0			
1,1-Dichloroethene	2.4126 2.9085	2.5724 2.7910	2.4999 2.5283	2.5710	2.6843	Ave		2.6210				6.2		30.0			
Freon 113	3.1365 3.1794	3.3099 3.0337	3.3945 2.7385	3.1973	3.0349	Ave		3.1281				6.4		30.0			
Acetone	2.7204 2.1571	2.2957 2.1148	2.0321 1.9500	2.0369	2.0198	Ave		2.1658				11.4		30.0			
Iodomethane	6.4452 5.3586	5.8428 5.9660	5.8597 4.8065	5.7002	5.4688	Ave		5.6810				8.5		30.0			
Carbon disulfide	5.4370 5.6954	5.3393 5.4103	5.3322 4.8585	5.3799	5.3265	Ave		5.3474				4.3		30.0			
Isopropanol	2.0086 1.8240	1.8206 2.1016	1.4432 2.0756	1.5579	1.6261	Ave		1.8072				13.7		30.0			
3-Chloroprene	3.1174 2.8643	2.9161 2.8784	2.5990 2.6434	2.5965	2.6023	Ave		2.7772				7.0		30.0			
Acetonitrile	3.1174 2.8643	2.9161 2.8784	2.5990 2.6434	2.5965	2.6023	Ave		2.7772				7.0		30.0			
Methylene Chloride	1.8408 1.9001	1.9079 1.8371	1.8978 1.6527	1.8601	1.8233	Ave		1.8400				4.5		30.0			
tert-Butyl alcohol	2.3506 2.6162	2.3347 3.0596	2.1520 3.0878	2.1816	2.2109	Ave		2.4992				15.3		30.0			
trans-1,2-Dichloroethene	2.1845 2.6428	2.3596 2.5131	2.4307 2.2602	2.4579	2.5055	Ave		2.4193				6.1		30.0			
Methyl t-butyl ether	3.5846 4.9103	3.6366 4.9902	3.9816 4.6874	4.0835	4.3767	Ave		4.2814				12.8		30.0			
Acrylonitrile	1.1167 1.3838	1.3434 1.3513	1.2638 1.1949	1.2325	1.3291	Ave		1.2769				7.2		30.0			
Hexane	1.1922 1.3567	1.1432 1.3407	1.2393 1.2177	1.2546	1.2175	Ave		1.2452				5.8		30.0			
1,1-Dichloroethane	3.3238 3.4440	3.2483 3.2569	3.4921 2.9674	3.2998	3.2606	Ave		3.2866				4.8		30.0			
Vinyl acetate	5.2404 6.3050	4.6174 6.3408	5.1383 5.5449	5.3812	5.6498	Ave		5.5272				10.5		30.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
di-Isopropyl ether	3.7289 5.0793	3.6892 4.9424	4.2776 4.3860	4.3853	4.5906	Ave		4.3849				11.4		30.0			
Ethyl tert-butyl ether	3.3410 4.7547	3.4573 4.9212	3.7580 4.6888	3.9260	4.1077	Ave		4.1193				14.7		30.0			
cis-1,2-Dichloroethene	2.1606 2.4826	2.2477 2.4172	2.3078 2.2045	2.3146	2.2932	Ave		2.3035				4.6		30.0			
2-Butanone	2.2338 2.5646	2.2133 2.7453	2.1095 2.4936	2.2213	2.2877	Ave		2.3586				9.2		30.0			
Ethyl acetate	3.3254 3.5560	3.2018 3.4438	3.4167 3.1411	3.3185	3.3192	Ave		3.3403				4.0		30.0			
Methyl acrylate	2.1132 2.8319	2.1477 2.8969	2.3766 2.6642	2.4465	2.5421	Ave		2.5024				11.6		30.0			
Tetrahydrofuran	1.5620 1.6339	1.3390 1.6601	1.5097 1.5507	1.4255	1.4800	Ave		1.5201				7.0		30.0			
Chloroform	4.6351 4.6411	4.4390 4.4007	4.8187 3.9115	4.6592	4.4213	Ave		4.4908				6.1		30.0			
1,1,1-Trichloroethane	4.4510 4.6442	4.4141 4.4799	4.5747 4.1100	4.4545	4.3410	Ave		4.4337				3.6		30.0			
Cyclohexane	1.8508 2.6357	2.0184 2.6406	2.1871 2.4298	2.3062	2.3492	Ave		2.3022				12.1		30.0			
Carbon tetrachloride	4.7062 4.9102	4.5500 4.7779	4.9015 4.3705	4.7819	4.5934	Ave		4.6989				3.9		30.0			
Benzene	1.7051 1.3651	1.5148 1.3764	1.5117 1.2194	1.4236	1.3717	Ave		1.4360				10.0		30.0			
1,2-Dichloroethane	0.6437 0.5853	0.6241 0.5701	0.6528 0.5134	0.5991	0.5879	Ave		0.5970				7.5		30.0			
Isooctane	1.2742 1.7245	1.3048 1.7096	1.4612 1.5297	1.5274	1.6497	Ave		1.5226				11.2		30.0			
Tert-amyl methyl ether	0.7231 1.0416	0.7710 1.0885	0.8731 1.0530	0.9153	0.9815	Ave		0.9309				14.5		30.0			
Heptane	0.3634 0.4619	0.3441 0.4778	0.4026 0.4432	0.4352	0.4424	Ave		0.4213				11.2		30.0			
Trichloroethene	0.8142 0.7417	0.7461 0.7474	0.7854 0.7086	0.7402	0.7181	Ave		0.7502				4.6		30.0			
Ethyl acrylate	0.5621 0.7185	0.5920 0.8105	0.5861 0.7656	0.6145	0.6506	Ave		0.6625				13.9		30.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.5601 0.4629	0.4537 0.4590	0.5018 0.4273	0.4725	0.4592	Ave		0.4746				8.5		30.0			
Methyl methacrylate	0.3390 0.4282	0.2994 0.4663	0.3516 0.4456	0.3541	0.3923	Ave		0.3846				15.1		30.0			
Dibromomethane	0.7908 0.7188	0.7325 0.7194	0.7708 0.6841	0.7285	0.7103	Ave		0.7319				4.6		30.0			
1,4-Dioxane	0.3031 0.2888	0.2827 0.3142	0.2651 0.2931	0.2626	0.2775	Ave		0.2859				6.2		30.0			
Bromodichloromethane	1.0938 1.0337	0.9956 1.0327	1.0936 0.9363	1.0526	1.0311	Ave		1.0337				5.0		30.0			
cis-1,3-Dichloropropene	0.6631 0.7566	0.6334 0.8196	0.6910 0.7770	0.6739	0.6973	Ave		0.7140				8.9		30.0			
4-Methyl-2-pentanone	0.6264 0.6952	0.5389 0.7728	0.5635 0.7099	0.5807	0.6271	Ave		0.6393				12.6		30.0			
Toluene	1.6580 1.6218	1.5879 1.5824	1.7325 1.2228	1.6593	1.6080	Ave		1.5841				9.7		30.0			
Octane	0.6645 0.7756	0.6303 0.7698	0.7160 0.6526	0.7493	0.7500	Ave		0.7135				8.0		30.0			
trans-1,3-Dichloropropene	0.5183 0.6290	0.5221 0.6645	0.5594 0.6210	0.5719	0.5885	Ave		0.5844				8.9		30.0			
Ethyl methacrylate	0.4295 0.6619	0.4386 0.7171	0.4869 0.6652	0.5190	0.5967	Ave		0.5644				19.7		30.0			
1,1,2-Trichloroethane	0.6368 0.5876	0.6246 0.5802	0.6518 0.5236	0.6361	0.5997	Ave		0.6050				6.9		30.0			
Tetrachloroethene	1.1024 0.9915	0.9606 0.9682	1.1005 0.8905	1.0376	0.9870	Ave		1.0048				7.2		30.0			
2-Hexanone	0.5164 0.5267	0.4667 0.6037	0.4039 0.5539	0.4224	0.4787	Ave		0.4965				13.5		30.0			
Dibromochloromethane	0.8239 0.8586	0.8041 0.8740	0.8614 0.7902	0.8455	0.8366	Ave		0.8368				3.5		30.0			
1,2-Dibromoethane	0.9708 0.9488	0.9082 0.9528	0.9731 0.8465	0.9546	0.9400	Ave		0.9369				4.5		30.0			
Chlorobenzene	1.5519 1.4268	1.4459 1.4179	1.5682 1.1287	1.5127	1.4189	Ave		1.4339				9.6		30.0			
1,1,1,2-Tetrachloroethane	0.8426 0.8147	0.7963 0.8099	0.8463 0.7158	0.8363	0.8025	Ave		0.8080				5.2		30.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethylbenzene	1.7617 2.1251	1.6975 2.0868	1.9425 1.3092	1.9897	2.0461	Ave		1.8698				14.6		30.0			
m&p-Xylene	1.2045 1.6339	1.2218 1.6410	1.4493 1.2318	1.4520	1.5482	Ave		1.4228				12.8		30.0			
o-Xylene	1.0950 1.6120	1.1408 1.6441	1.3114 1.2189	1.3946	1.5078	Ave		1.3656				15.3		30.0			
Styrene	0.8469 1.3131	0.8319 1.3581	1.0081 1.0776	1.1038	1.2328	Ave		1.0966				18.1		30.0			
Bromoform	1.1810 1.1425	1.0956 1.1992	1.1507 1.0578	1.1321	1.1210	Ave		1.1350				4.0		30.0			
Cumene	1.5588 2.3699	1.6533 2.3887	1.8644 1.4250	2.0530	2.2253	Ave		1.9423				19.3		30.0			
1,1,2,2-Tetrachloroethane	1.4489 1.2101	1.4008 1.2063	1.3303 1.0325	1.2881	1.2132	Ave		1.2663				10.3		30.0			
Bromobenzene	0.9355 0.9076	0.9015 0.9378	0.9424 0.8386	0.9152	0.8921	Ave		0.9088				3.7		30.0			
1,2,3-Trichloropropane	0.4847 0.4118	0.4395 0.4079	0.4341 0.3681	0.4401	0.4093	Ave		0.4244				8.0		30.0			
N-Propylbenzene	0.5483 0.7180	0.5542 0.7528	0.6061 0.6838	0.6485	0.6772	Ave		0.6486				11.4		30.0			
2-Chlorotoluene	0.5582 0.6586	0.5600 0.6842	0.6170 0.6027	0.6545	0.6474	Ave		0.6228				7.5		30.0			
4-Ethyltoluene	1.6999 2.4097	1.8012 2.4229	2.0628 1.3879	2.2472	2.3613	Ave		2.0491				18.7		30.0			
1,3,5-Trimethylbenzene	1.4899 2.0095	1.5866 2.0318	1.7799 1.3449	1.8765	1.9734	Ave		1.7616				14.7		30.0			
Alpha Methyl Styrene	0.6063 0.9418	0.6551 1.0699	0.6829 0.9330	0.7387	0.7859	Ave		0.8017				20.4		30.0			
tert-Butylbenzene	1.4277 1.9918	1.4905 2.0488	1.6396 1.3093	1.8415	1.8045	Ave		1.6942				16.0		30.0			
1,2,4-Trimethylbenzene	1.1923 1.9280	1.3985 1.9981	1.5786 1.2715	1.7993	1.7669	Ave		1.6166				18.8		30.0			
sec-Butylbenzene	1.9282 2.8619	2.1791 2.8612	2.3298 1.5006	2.5839	2.6679	Ave		2.3641				20.3		30.0			
1,3-Dichlorobenzene	1.5167 1.5037	1.6155 1.5779	1.5360 1.1647	1.5262	1.5038	Ave		1.4931				9.3		30.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
p-Isopropyltoluene	1.5991 2.5238	1.7268 2.5690	1.9237 1.3947	2.1966	2.3891	Ave		2.0403				21.8		30.0			
1,4-Dichlorobenzene	1.5189 1.5110	1.5976 1.5851	1.5158 1.2045	1.5268	1.4914	Ave		1.4939				8.2		30.0			
Benzyl chloride	0.2491 0.3184	0.2511 0.4095	0.2223 0.4056	0.2419	0.2778	Ave		0.2969				24.9		30.0			
n-Butylbenzene	0.6873 1.2283	0.7955 1.2981	0.8367 1.0701	0.9687	1.1042	Ave		0.9986				21.5		30.0			
1,2-Dichlorobenzene	1.4302 1.4112	1.5087 1.4792	1.4105 1.1450	1.4370	1.3914	Ave		1.4016				7.9		30.0			
Hexachloroethane	0.8683 0.7948	0.8391 0.8738	0.7670 0.7563	0.7788	0.7849	Ave		0.8079				5.7		30.0			
1,2-Dibromo-3-Chloropropane	0.7713 0.7281	0.8189 0.8374	0.5918 0.7836	0.6368	0.6559	Ave		0.7280				12.4		30.0			
1,2,4-Trichlorobenzene	0.9493 0.9369	1.1795 1.1680	0.7183 1.1269	0.7801	0.8452	Ave		0.9630				18.6		30.0			
Hexachlorobutadiene	0.9940 0.9014	1.1263 0.9490	0.8190 0.9372	0.8557	0.8648	Ave		0.9309				10.4		30.0			
Naphthalene	1.6190 1.6861	1.8898 2.3424	0.9472 1.5610	1.1179	1.4157	Ave		1.5724				27.7		30.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-199946/3	5N30X31.D
Level 2	IC 410-199946/4	5N30X32.D
Level 3	IC 410-199946/5	5N30X33.D
Level 4	IC 410-199946/6	5N30X34.D
Level 5	IC 410-199946/7	5N30X35.D
Level 6	ICISAV 410-199946/8	5N30X36.D
Level 7	IC 410-199946/9	5N30X37.D
Level 8	IC 410-199946/10	5N30X38.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propene	CBM	Ave	8175 317123	16948 834007	30475 2314275	62507	155591	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Dichlorodifluoromethane	CBM	Ave	30917 1546642	75524 3966343	155665 10526772	307949	773058	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Chlorodifluoromethane	CBM	Ave	15083 707942	35837 1839153	72106 4794232	145749	360431	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Freon-114	CBM	Ave	34532 1628554	80315 4113783	169417 10776919	331367	812018	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Chloromethane	CBM	Ave	+++++ 300723	24746 796046	41575 1946467	71578	166458	+++++ 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Vinyl chloride	CBM	Ave	10471 506195	24432 1305191	49208 3622705	99924	251441	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,3-Butadiene	CBM	Ave	7355 364872	16656 951174	32475 2654780	66759	174457	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Bromomethane	CBM	Ave	12738 518135	28059 1289673	50397 3691069	104149	254157	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Chloroethane	CBM	Ave	9642 283646	17057 734724	35729 1965688	63229	142350	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Bromoethene	CBM	Ave	10326 569864	26268 1521988	51833 4309221	104841	269881	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Dichlorofluoromethane	CBM	Ave	21964 1167429	55887 2993519	112383 7912193	233632	586391	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Trichlorofluoromethane	CBM	Ave	35908 1678853	81072 4237794	177132 11413566	338840	838660	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Pentane	CBM	Ave	12566 703802	29506 1898068	61739 5305002	122960	330402	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethanol	CBM	Ave	+++++ 112724	9084 345733	13250 984480	23488	56104	+++++ 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Acrolein	CBM	Ave	2445 159387	6794 458342	13579 1316894	27357	74788	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,1-Dichloroethene	CBM	Ave	13747 814262	35016 2103802	70054 5769934	145928	392534	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Freon 113	CBM	Ave	17872 890115	45055 2286687	95125 6249853	181475	443800	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Acetone	CBM	Ave	15501 603911	31249 1594043	56944 4450275	115616	295359	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Iodomethane	CBM	Ave	36725 1500216	79534 4497017	164207 10969323	323539	799717	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Carbon disulfide	CBM	Ave	30980 1594503	72680 4078126	149424 11087969	305361	778908	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Isopropanol	CBM	Ave	11445 510657	24782 1584135	40444 4736824	88423	237792	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
3-Chloroprene	CBM	Ave	17763 801908	39694 2169626	72831 6032620	147373	380538	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Acetonitrile	CBM	Ave	17763 801908	39694 2169626	72831 6032620	147373	380538	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Methylene Chloride	CBM	Ave	10489 531968	25971 1384778	53182 3771820	105579	266630	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
tert-Butyl alcohol	CBM	Ave	13394 732436	31780 2306276	60305 7046844	123829	323309	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
trans-1,2-Dichloroethene	CBM	Ave	12447 739889	32120 1894292	68115 5158270	139508	366395	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Methyl t-butyl ether	CBM	Ave	20425 1374708	49502 3761457	111576 10697568	231777	640025	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Acrylonitrile	CBM	Ave	6363 387413	18286 1018563	35415 2726947	69954	194355	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Hexane	CBM	Ave	6793 379812	15561 1010556	34728 2779029	71210	178032	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,1-Dichloroethane	CBM	Ave	18939 964183	44216 2454933	97859 6772149	187297	476804	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Vinyl acetate	CBM	Ave	29860 1765168	62853 4779514	143990 12654467	305431	826187	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
di-Isopropyl ether	CBM	Ave	21247 1422012	50218 3725409	119871 10009708	248908	671298	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Ethyl tert-butyl ether	CBM	Ave	19037 1331129	47061 3709476	105311 10700602	222836	600680	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
cis-1,2-Dichloroethene	CBM	Ave	12311 695045	30596 1821999	64670 5031040	131375	335339	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
2-Butanone	CBM	Ave	12728 718003	30128 2069340	59113 5690804	126082	334532	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Ethyl acetate	CBM	Ave	18948 995553	43584 2595811	95745 7168627	188356	485384	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Methyl acrylate	CBM	Ave	12041 792824	29235 2183591	66599 6080259	138862	371740	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Tetrahydrofuran	CBM	Ave	8900 457421	18227 1251344	42307 3539065	80908	216425	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Chloroform	CBM	Ave	26411 1299344	60425 3317099	135034 8926725	264451	646540	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,1,1-Trichloroethane	CBM	Ave	25362 1300209	60086 3376857	128195 9379690	252837	634794	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Cyclohexane	CBM	Ave	10546 737899	27475 1990382	61290 5545331	130897	343539	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Carbon tetrachloride	CBM	Ave	26816 1374670	61936 3601460	137353 9974180	271417	671716	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Benzene	DFBZ	Ave	41125 1786211	90349 4711142	185950 12484647	359307	887323	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2-Dichloroethane	DFBZ	Ave	15525 765848	37224 1951320	80293 5256553	151203	380314	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Isooctane	DFBZ	Ave	30731 2256395	77823 5851678	179732 15662171	385490	1067197	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Tert-amyl methyl ether	DFBZ	Ave	17440 1362915	45987 3725971	107397 10781008	231004	634940	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Heptane	DFBZ	Ave	8765 604378	20522 1635383	49522 4538016	109837	286200	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Trichloroethene	DFBZ	Ave	19636 970458	44502 2558334	96612 7255392	186816	464553	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Ethyl acrylate	DFBZ	Ave	13557 940094	35311 2774379	72093 7839016	155082	420844	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Dichloropropane	DFBZ	Ave	13508 605709	27062 1571236	61723 4374996	119241	297028	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Methyl methacrylate	DFBZ	Ave	8177 560326	17858 1596030	43248 4562186	89372	253770	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Dibromomethane	DFBZ	Ave	19073 940484	43687 2462399	94808 7004352	183863	459495	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,4-Dioxane	DFBZ	Ave	7309 377935	16863 1075569	32615 3001098	66282	179503	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Bromodichloromethane	DFBZ	Ave	26380 1352517	59378 3534897	134519 9586308	265661	667020	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
cis-1,3-Dichloropropene	DFBZ	Ave	15993 989935	37779 2805526	85000 7955762	170075	451092	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
4-Methyl-2-pentanone	DFBZ	Ave	15108 909659	32142 2645094	69308 7268403	146550	405641	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Toluene	CBZd5	Ave	45769 2278198	104228 5909262	233285 13923329	443426	1111257	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Octane	CBZd5	Ave	18344 1089562	41373 2874650	96412 7430695	200230	518311	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	14309 883643	34269 2481511	75327 7070459	152836	406716	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	11856 929837	28790 2677931	65564 7573817	138702	412343	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	17578 825442	40998 2166439	87763 5961717	169982	414439	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Tetrachloroethene	CBZd5	Ave	30431 1392791	63051 3615539	148183 10140058	277280	682066	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
2-Hexanone	CBZd5	Ave	14255 739834	30631 2254417	54382 6307300	112881	330807	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dibromochloromethane	CBZd5	Ave	22743 1206129	52784 3263747	115987 8997880	225953	578144	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2-Dibromoethane	CBZd5	Ave	26800 1332852	59616 3558105	131025 9638122	255115	649569	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Chlorobenzene	CBZd5	Ave	42841 2004309	94910 5294976	211162 12851379	404254	980527	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	23260 1144505	52272 3024455	113951 8149890	223483	554559	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Ethylbenzene	CBZd5	Ave	48632 2985231	111422 7792539	261554 14906536	531720	1414013	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
m&p-Xylene	CBZd5	Ave	33250 2295140	80202 6128021	195145 14026165	388018	1069884	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
o-Xylene	CBZd5	Ave	30229 2264424	74881 6139611	176583 13879347	372700	1041958	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Styrene	CBZd5	Ave	23379 1844585	54608 5071583	135748 12270040	294976	851962	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Bromoform	CBZd5	Ave	32601 1604948	71913 4478252	154942 12044830	302530	774675	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Cumene	CBZd5	Ave	43031 3329078	108522 8920136	251049 16226159	548634	1537807	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,1,2,2-Tetrachloroethane	CBZd5	Ave	39997 1699890	91946 4504817	179120 11755968	344220	838404	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Bromobenzene	CBZd5	Ave	25825 1274926	59174 3501818	126897 9548542	244574	616482	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,3-Trichloropropane	CBZd 5	Ave	13379 578488	28847 1523148	58450 4191819	117602	282863	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
N-Propylbenzene	CBZd 5	Ave	15137 1008640	36376 2811120	81617 7786547	173306	467976	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
2-Chlorotoluene	CBZd 5	Ave	15410 925180	36756 2555078	83083 6863109	174902	447388	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
4-Ethyltoluene	CBZd 5	Ave	46927 3384959	118232 9047587	277764 15803006	600551	1631817	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,3,5-Trimethylbenzene	CBZd 5	Ave	41128 2822865	104143 7587309	239665 15313832	501474	1363746	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Alpha Methyl Styrene	CBZd 5	Ave	16737 1323001	43004 3995382	91951 10623205	197398	543122	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
tert-Butylbenzene	CBZd 5	Ave	39412 2797975	97840 7650844	220780 14907902	492113	1247026	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2,4-Trimethylbenzene	CBZd 5	Ave	32913 2708343	91798 7461489	212561 14477231	480837	1221033	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
sec-Butylbenzene	CBZd 5	Ave	53229 4020213	143035 10684278	313715 17086726	690514	1843681	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,3-Dichlorobenzene	CBZd 5	Ave	41868 2112332	106044 5892408	206823 13261497	407862	1039194	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
p-Isopropyltoluene	CBZd 5	Ave	44144 3545327	113350 9593293	259026 15880263	587009	1651026	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,4-Dichlorobenzene	CBZd 5	Ave	41931 2122516	104867 5919289	204098 13714775	408011	1030642	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-66301-1 Analy Batch No.: 199946

SDG No.:

Instrument ID: HP22820 GC Column: DB-624 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/01/2021 01:45 Calibration End Date: 12/01/2021 04:27 Calibration ID: 33597

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzyl chloride	CBZd 5	Ave	6876 447219	16482 1529010	29932 4618169	64635	192003	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
n-Butylbenzene	CBZd 5	Ave	18974 1725433	52218 4847611	112669 12184302	258875	763076	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2-Dichlorobenzene	CBZd 5	Ave	39480 1982349	99033 5523684	189921 13037478	384018	961540	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Hexachloroethane	CBZd 5	Ave	23970 1116534	55081 3262889	103280 8612080	208123	542408	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2-Dibromo-3-Chloropropane	CBZd 5	Ave	21291 1022767	53754 3126916	79691 8922182	170183	453284	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2,4-Trichlorobenzene	CBZd 5	Ave	26206 1316144	77421 4361708	96723 12831082	208463	584062	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Hexachlorobutadiene	CBZd 5	Ave	27440 1266172	73933 3543987	110275 10671065	228683	597637	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Naphthalene	CBZd 5	Ave	44692 2368603	124050 8747263	127546 17774259	298747	978324	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

Curve Type Legend
Ave = Average ISTD

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 01-Dec-2021 01:45:05 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 410-0045222-003
Operator ID: etp33087 Instrument ID: HP22820
Sublist: chrom-AirMS_TO15_HP22820*sub1

Method: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 02-Dec-2021 12:35:27 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: proctore Date: 01-Dec-2021 17:01:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	1.638	1.638	0.000	97	8175	0.2000	0.2499	
2 Dichlorodifluoromethane	85	1.667	1.667	0.000	99	30917	0.2000	0.2036	
3 Chlorodifluoromethane	51	1.695	1.695	0.000	96	15083	0.2000	0.2122	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.803	1.803	0.000	93	34532	0.2000	0.2136	
5 Chloromethane	50	1.860	1.860	0.000	27	13327	0.2000	0.3771	M
6 Vinyl chloride	62	1.996	1.996	0.000	88	10471	0.2000	0.2101	
7 Butadiene	54	2.032	2.032	0.000	88	7355	0.2000	0.2114	
8 Bromomethane	94	2.376	2.376	0.000	92	12738	0.2000	0.2409	
9 Chloroethane	64	2.491	2.491	0.000	98	9642	0.2000	0.2957	
10 Vinyl bromide	106	2.713	2.713	0.000	98	10326	0.2000	0.1904	
11 Dichlorofluoromethane	67	2.748	2.748	0.000	96	21964	0.2000	0.1945	
12 Trichlorofluoromethane	101	2.791	2.791	0.000	95	35908	0.2000	0.2150	
13 Pentane	43	2.892	2.892	0.000	96	12566	0.2000	0.1922	
14 Ethanol	45	3.121	3.121	0.000	83	5223	0.2000	0.3973	
15 Acrolein	56	3.364	3.364	0.000	84	2445	0.2000	0.1650	
16 1,1-Dichloroethene	61	3.443	3.443	0.000	89	13747	0.2000	0.1841	
17 112TCTFE	103	3.472	3.472	0.000	91	17872	0.2000	0.2005	
18 Acetone	43	3.558	3.558	0.000	88	15501	0.2000	0.2512	
19 Iodomethane	142	3.615	3.615	0.000	100	36725	0.2000	0.2269	
20 Carbon disulfide	76	3.672	3.672	0.000	98	30980	0.2000	0.2034	
21 Isopropyl alcohol	45	3.744	3.744	0.000	94	11445	0.2000	0.2223	
23 Acetonitrile	41	3.887	3.887	0.000	78	17763	0.2000	0.2245	M
22 3-Chloro-1-propene	41	3.887	3.887	0.000	91	17763	0.2000	0.2245	Ma
24 Methylene Chloride	84	4.023	4.023	0.000	81	10489	0.2000	0.2001	
25 2-Methyl-2-propanol	59	4.174	4.174	0.000	93	13394	0.2000	0.1881	
26 trans-1,2-Dichloroethene	61	4.296	4.296	0.000	93	12447	0.2000	0.1806	
27 Methyl tert-butyl ether	73	4.303	4.303	0.000	95	20425	0.2000	0.1675	
28 Acrylonitrile	53	4.310	4.310	0.000	48	6363	0.2000	0.1749	
29 Hexane	56	4.561	4.561	0.000	91	6793	0.2000	0.1915	
30 1,1-Dichloroethane	63	4.718	4.718	0.000	95	18939	0.2000	0.2023	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Vinyl acetate	43	4.783	4.783	0.000	96	29860	0.2000	0.1896	
31 Isopropyl ether	45	4.783	4.783	0.000	65	21247	0.2000	0.1701	
33 Tert-butyl ethyl ether	59	5.112	5.112	0.000	91	19037	0.2000	0.1622	
34 cis-1,2-Dichloroethene	61	5.248	5.248	0.000	75	12311	0.2000	0.1876	
35 2-Butanone (MEK)	43	5.284	5.284	0.000	99	12728	0.2000	0.1894	Ma
36 Ethyl acetate	43	5.327	5.327	0.000	97	18948	0.2000	0.1991	M
37 Methyl acrylate	55	5.356	5.356	0.000	98	12041	0.2000	0.1689	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	83	284900	10.0	10.0	
39 Tetrahydrofuran	42	5.499	5.499	0.000	76	8900	0.2000	0.2055	
40 Chloroform	83	5.528	5.528	0.000	91	26411	0.2000	0.2064	
41 1,1,1-Trichloroethane	97	5.671	5.671	0.000	97	25362	0.2000	0.2008	
42 Cyclohexane	56	5.707	5.707	0.000	83	10546	0.2000	0.1608	
43 Carbon tetrachloride	117	5.800	5.800	0.000	96	26816	0.2000	0.2003	
44 Benzene	78	5.972	5.972	0.000	93	41125	0.2000	0.2375	
45 1,2-Dichloroethane	62	6.000	6.000	0.000	97	15525	0.2000	0.2156	
46 Isooctane	57	6.022	6.022	0.000	95	30731	0.2000	0.1674	
47 Tert-amyl methyl ether	73	6.065	6.065	0.000	88	17440	0.2000	0.1554	
48 n-Heptane	71	6.165	6.165	0.000	83	8765	0.2000	0.1725	M
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	92	1205906	10.0	10.0	
50 Trichloroethene	130	6.480	6.480	0.000	91	19636	0.2000	0.2170	
51 Ethyl acrylate	55	6.559	6.559	0.000	98	13557	0.2000	0.1697	M
52 1,2-Dichloropropane	63	6.659	6.659	0.000	93	13508	0.2000	0.2360	
53 Methyl methacrylate	69	6.738	6.738	0.000	82	8177	0.2000	0.1763	
54 Dibromomethane	174	6.753	6.753	0.000	91	19073	0.2000	0.2161	
55 1,4-Dioxane	88	6.767	6.767	0.000	83	7309	0.2000	0.2120	
56 Dichlorobromomethane	83	6.867	6.867	0.000	98	26380	0.2000	0.2116	
57 cis-1,3-Dichloropropene	75	7.204	7.204	0.000	97	15993	0.2000	0.1857	
58 4-Methyl-2-pentanone (MIBK)	43	7.311	7.311	0.000	94	15108	0.2000	0.1960	
59 Toluene	91	7.447	7.447	0.000	99	45769	0.2000	0.2093	M
60 n-Octane	43	7.498	7.498	0.000	74	18344	0.2000	0.1863	
61 trans-1,3-Dichloropropene	75	7.612	7.612	0.000	86	14309	0.2000	0.1774	M
62 Ethyl methacrylate	69	7.655	7.655	0.000	87	11856	0.2000	0.1522	
63 1,1,2-Trichloroethane	97	7.755	7.755	0.000	88	17578	0.2000	0.2105	
64 Tetrachloroethene	166	7.849	7.849	0.000	95	30431	0.2000	0.2194	
65 2-Hexanone	43	7.927	7.927	0.000	96	14255	0.2000	0.2080	M
66 Chlorodibromomethane	127	8.049	8.049	0.000	89	22743	0.2000	0.1969	
67 Ethylene Dibromide	107	8.142	8.142	0.000	95	26800	0.2000	0.2073	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	82	1380273	10.0	10.0	
69 Chlorobenzene	112	8.500	8.500	0.000	97	42841	0.2000	0.2165	
70 1,1,1,2-Tetrachloroethane	131	8.558	8.558	0.000	91	23260	0.2000	0.2085	
71 Ethylbenzene	91	8.565	8.565	0.000	98	48632	0.2000	0.1884	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	97	33250	0.2000	0.1693	M
73 o-Xylene	91	8.952	8.952	0.000	95	30229	0.2000	0.1604	M
74 Styrene	104	8.959	8.959	0.000	93	23379	0.2000	0.1545	
75 Bromoform	173	9.116	9.116	0.000	98	32601	0.2000	0.2081	
76 Isopropylbenzene	105	9.224	9.224	0.000	95	43031	0.2000	0.1605	
77 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	96	39997	0.2000	0.2288	
78 Bromobenzene	156	9.475	9.475	0.000	89	25825	0.2000	0.2059	
79 1,2,3-Trichloropropane	110	9.496	9.496	0.000	80	13379	0.2000	0.2284	
80 N-Propylbenzene	120	9.532	9.532	0.000	98	15137	0.2000	0.1691	
82 2-Chlorotoluene	126	9.611	9.611	0.000	95	15410	0.2000	0.1793	
81 4-Ethyltoluene	105	9.611	9.611	0.000	88	46927	0.2000	0.1659	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 1,3,5-Trimethylbenzene	105	9.654	9.654	0.000	94	41128	0.2000	0.1692	Ma
84 Alpha Methyl Styrene	118	9.818	9.818	0.000	88	16737	0.2000	0.1513	
85 tert-Butylbenzene	119	9.897	9.897	0.000	92	39412	0.2000	0.1685	M
86 1,2,4-Trimethylbenzene	105	9.933	9.933	0.000	95	32913	0.2000	0.1475	M
87 sec-Butylbenzene	105	10.062	10.062	0.000	94	53229	0.2000	0.1631	M
89 4-Isopropyltoluene	119	10.162	10.162	0.000	96	44144	0.2000	0.1567	
88 1,3-Dichlorobenzene	146	10.162	10.162	0.000	96	41868	0.2000	0.2032	
90 1,4-Dichlorobenzene	146	10.234	10.234	0.000	97	41931	0.2000	0.2034	
91 Benzyl chloride	126	10.334	10.334	0.000	97	6876	0.2000	0.1678	
92 n-Butylbenzene	92	10.477	10.477	0.000	96	18974	0.2000	0.1377	
93 1,2-Dichlorobenzene	146	10.520	10.520	0.000	99	39480	0.2000	0.2041	
94 Hexachloroethane	117	10.707	10.707	0.000	89	23970	0.2000	0.2150	
95 1,2-Dibromo-3-Chloropropane	157	11.115	11.115	0.000	89	21291	0.2000	0.2119	
96 1,2,4-Trichlorobenzene	180	11.745	11.745	0.000	93	26206	0.2000	0.1972	
97 Hexachlorobutadiene	225	11.860	11.860	0.000	96	27440	0.2000	0.2136	
98 Naphthalene	128	11.946	11.946	0.000	96	44692	0.2000	0.2059	
S 101 1,2-Dichloroethene, Total	61				0	24758	0.4000	0.3680	
S 102 1,3-Dichloropropene, Total	75				0	30302	0.4000	0.3546	
S 104 Xylenes, Total	91				0	63479	0.4000	0.3299	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRCAL2.0_00052	Amount Added: 20.00	Units: mL	
AIRIS200 ppb_00080	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 02-Dec-2021 12:35:28 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D

Injection Date: 01-Dec-2021 01:45:05 Instrument ID: HP22820

Lims ID: IC

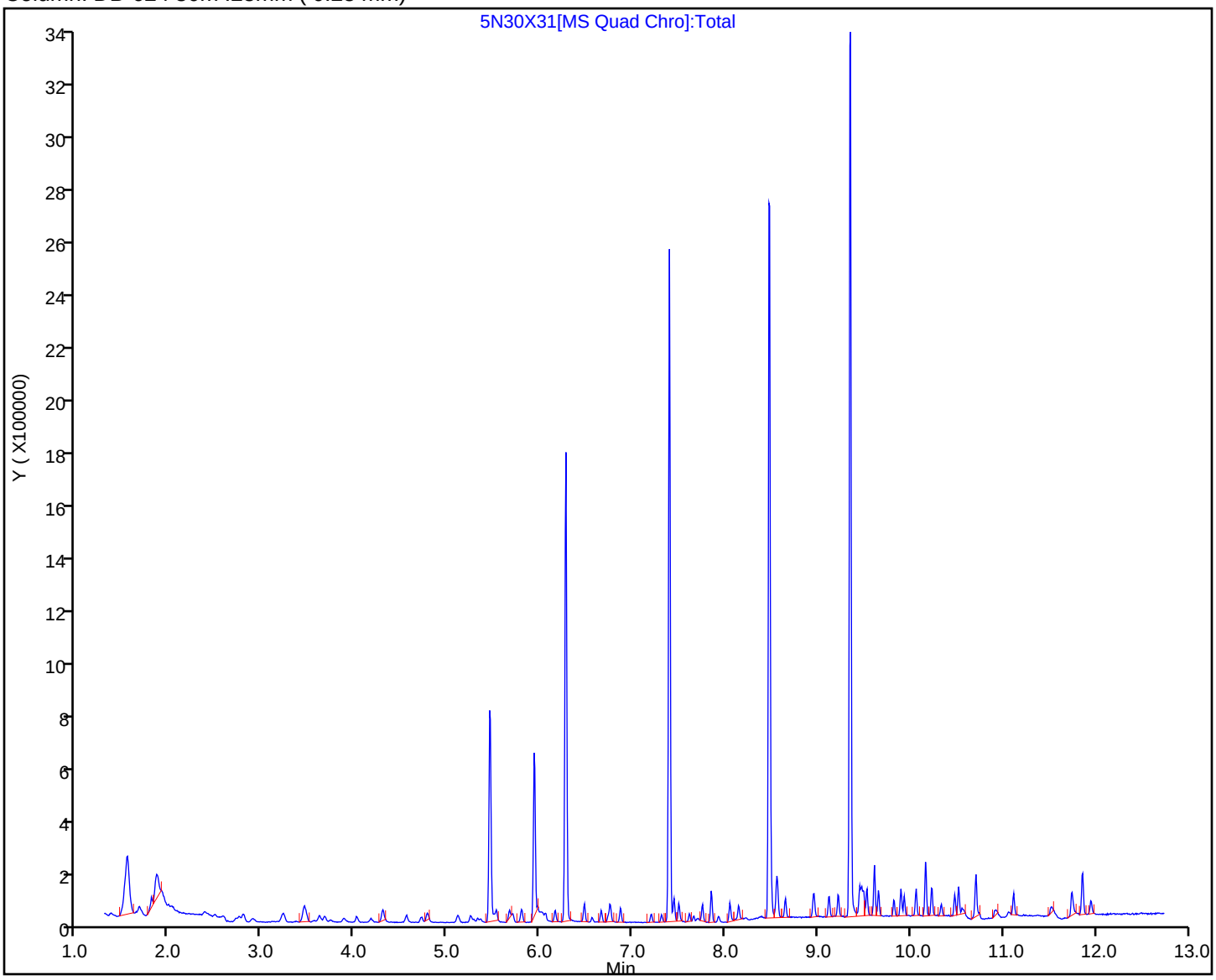
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 3

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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

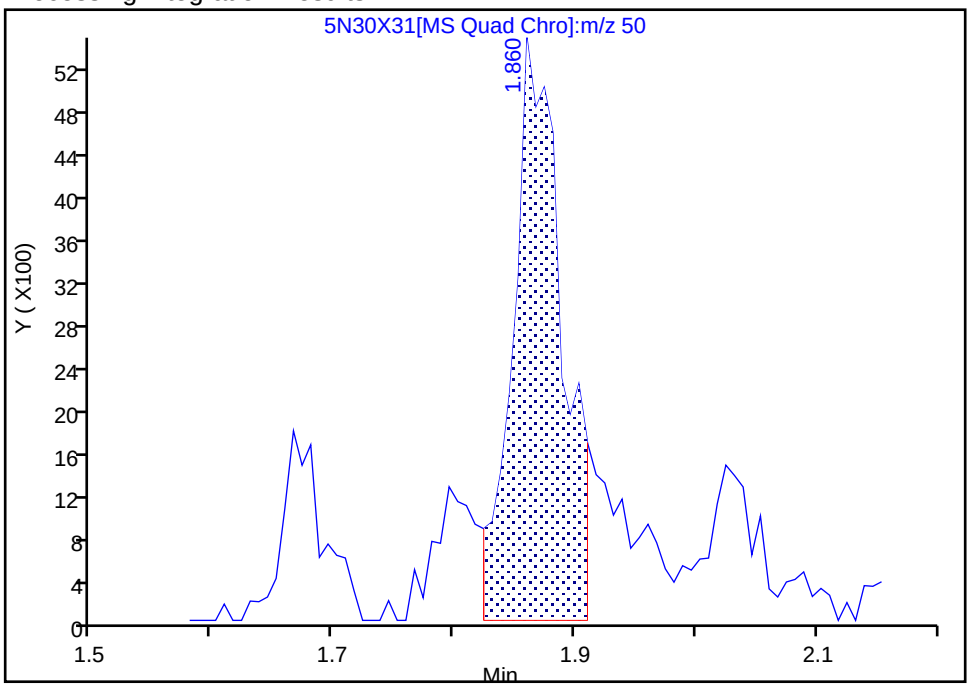
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

Signal: 1

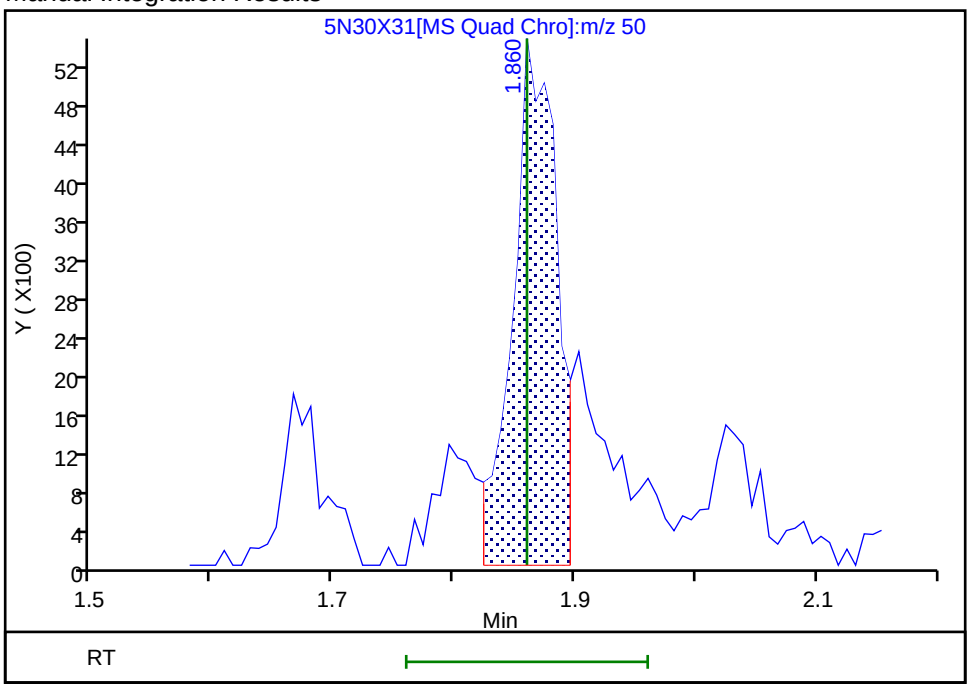
Processing Integration Results

RT: 1.86
Area: 15039
Amount: 0.362390
Amount Units: ppb v/v



Manual Integration Results

RT: 1.86
Area: 13327
Amount: 0.377065
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:17:33

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

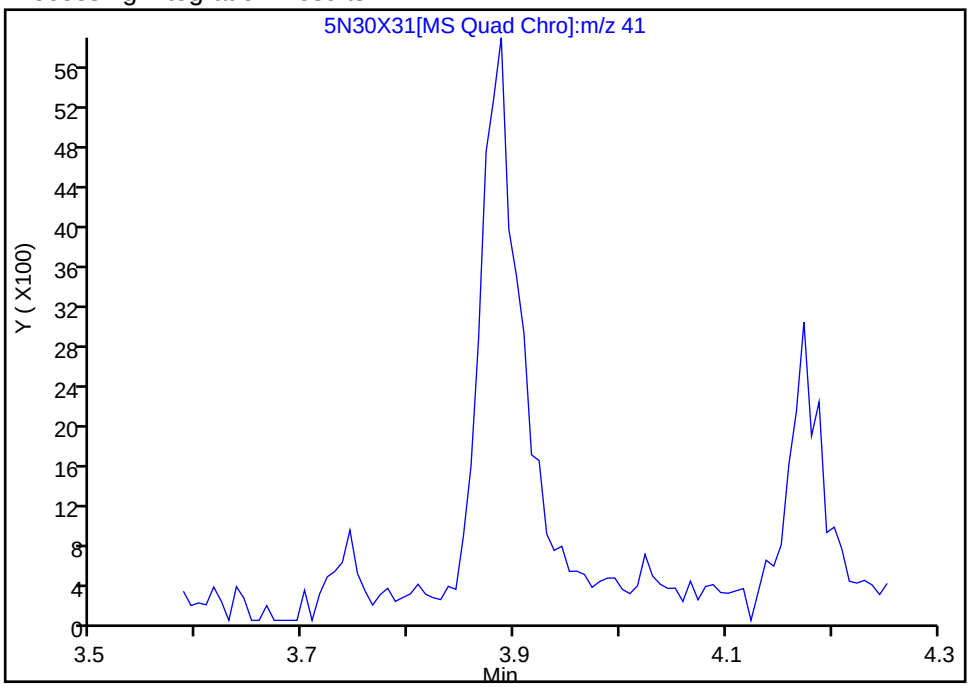
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

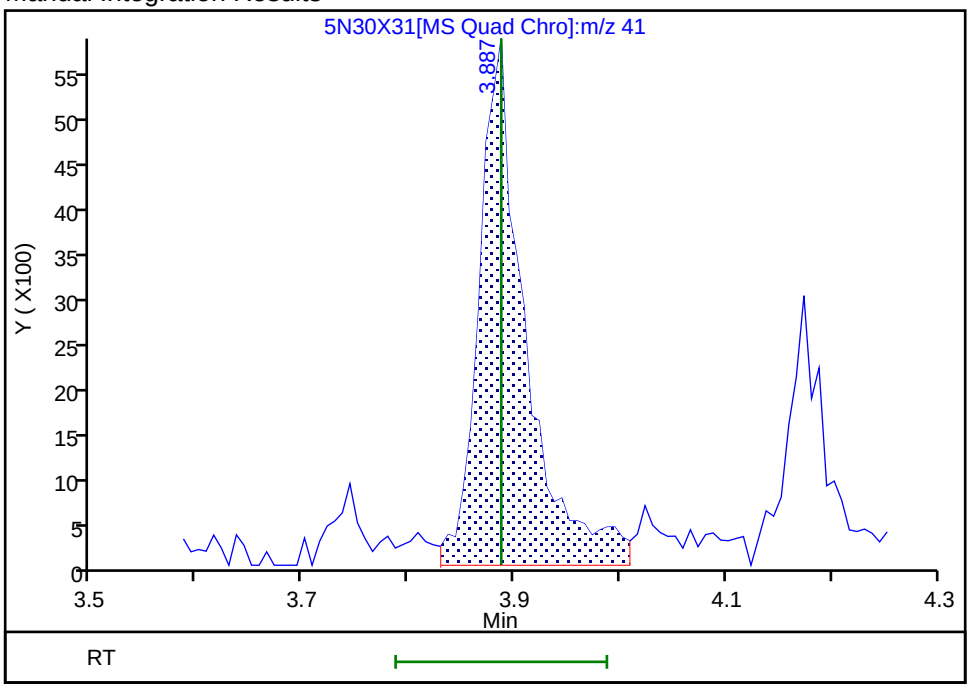
Not Detected
Expected RT: 3.89

Processing Integration Results



Manual Integration Results

RT: 3.89
Area: 17763
Amount: 0.224504
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:58:29
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

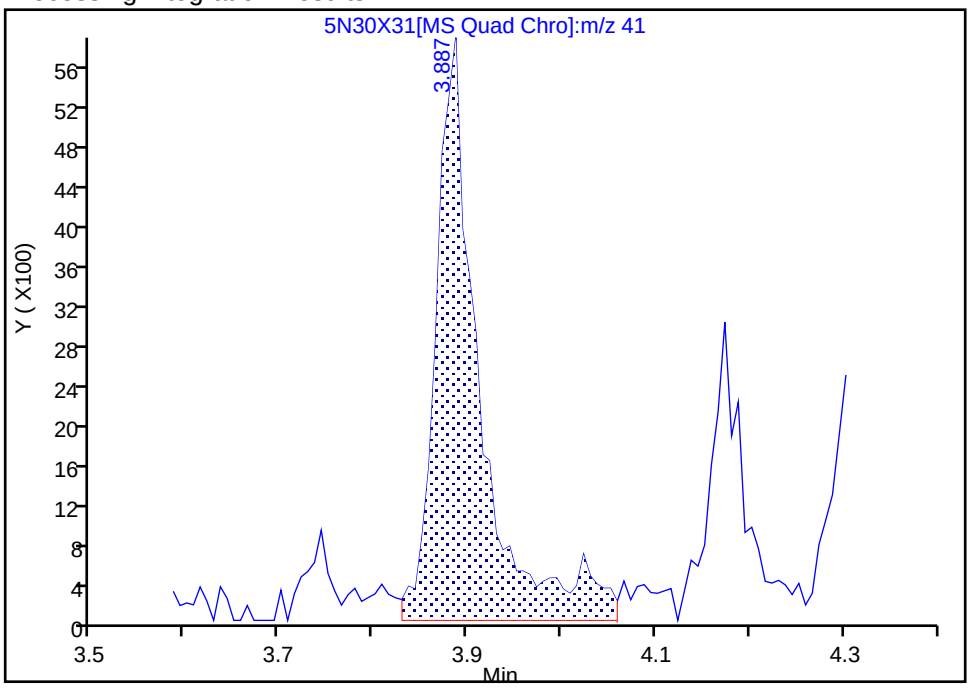
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

23 Acetonitrile, CAS: 75-05-8

Signal: 1

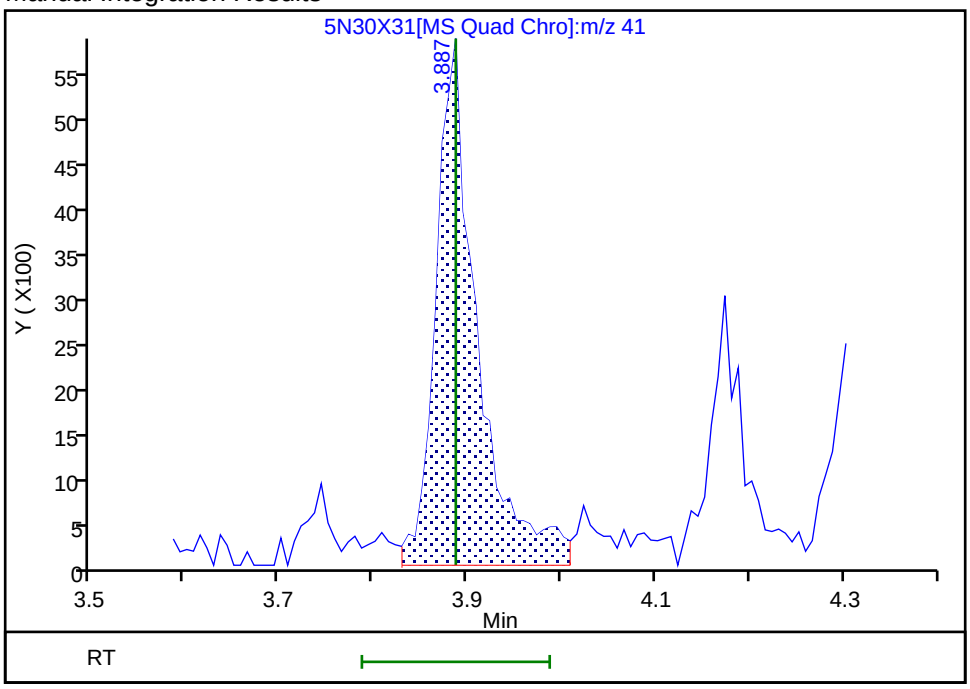
Processing Integration Results

RT: 3.89
Area: 18926
Amount: 0.237026
Amount Units: ppb v/v



Manual Integration Results

RT: 3.89
Area: 17763
Amount: 0.224504
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:58:23

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

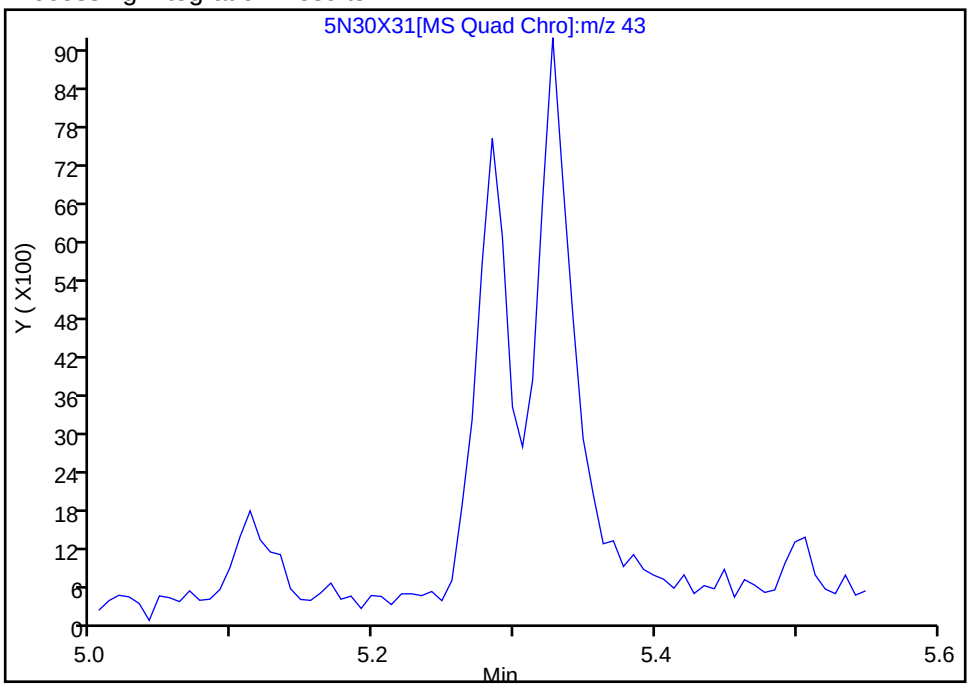
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

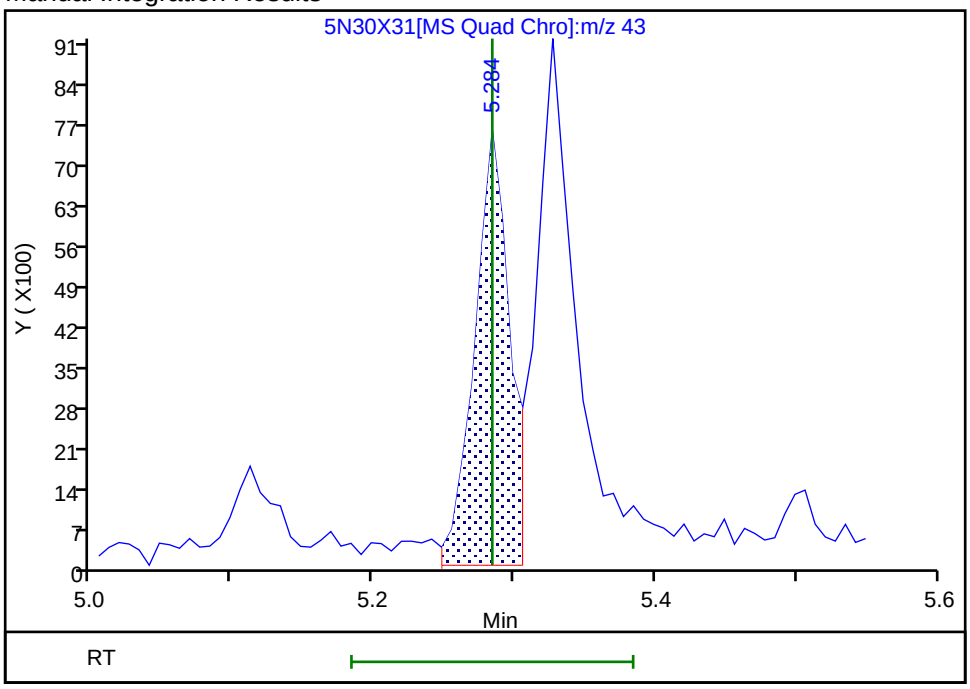
Not Detected
Expected RT: 5.28

Processing Integration Results



Manual Integration Results

RT: 5.28
Area: 12728
Amount: 0.189412
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:58:56
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

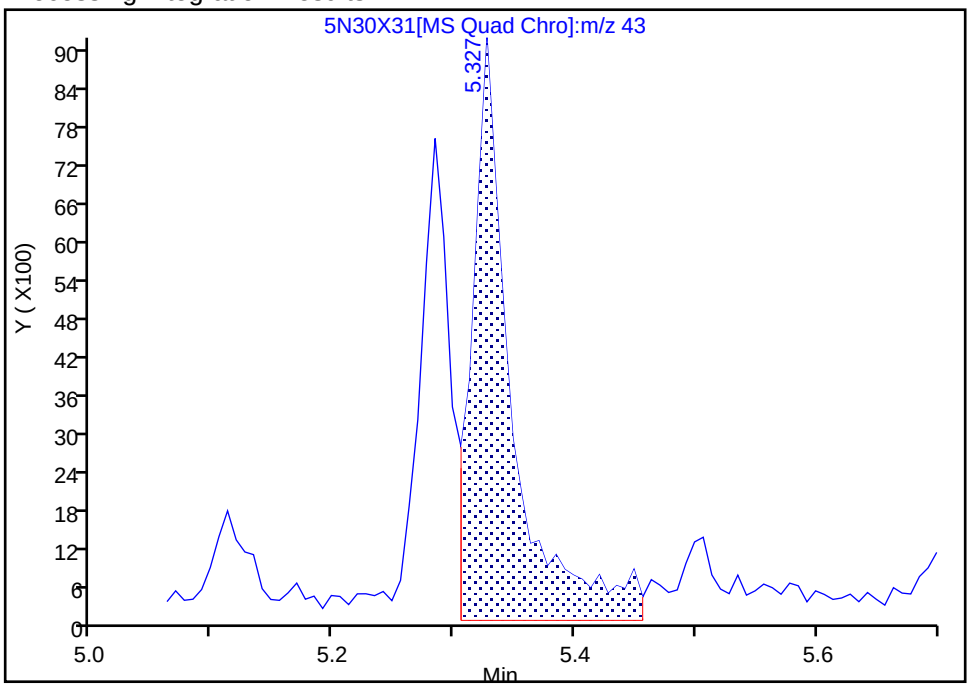
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

36 Ethyl acetate, CAS: 141-78-6

Signal: 1

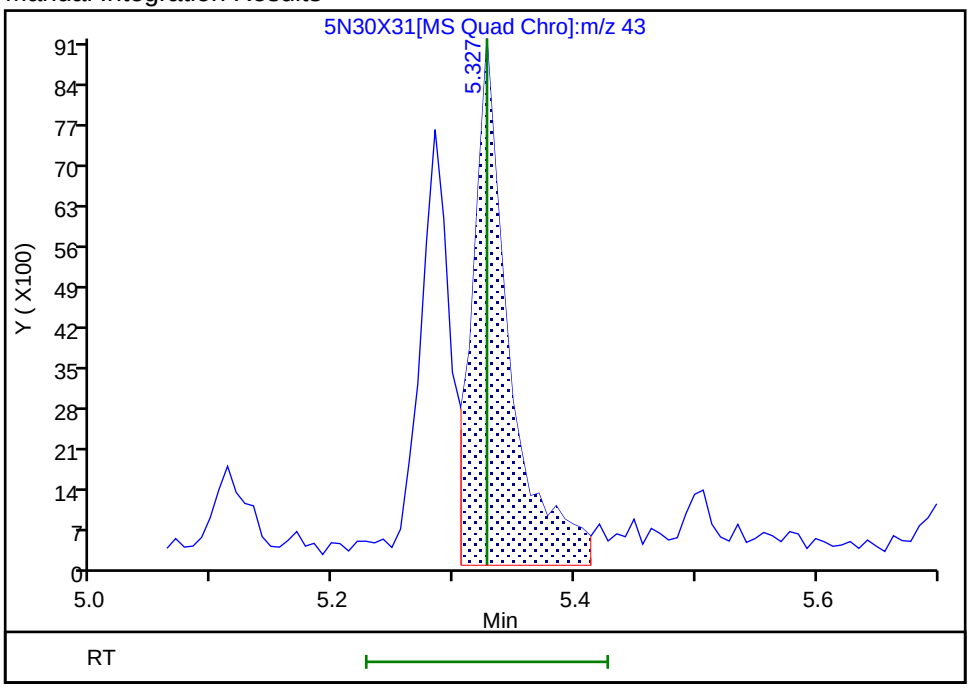
Processing Integration Results

RT: 5.33
Area: 20413
Amount: 0.212456
Amount Units: ppb v/v



Manual Integration Results

RT: 5.33
Area: 18948
Amount: 0.199106
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:59:05
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

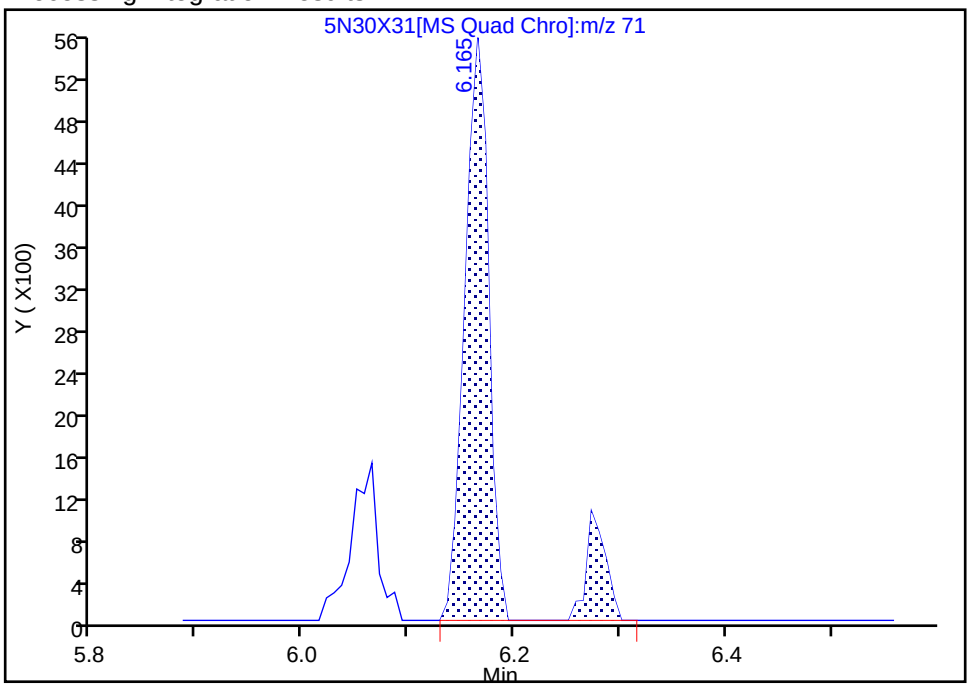
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

48 n-Heptane, CAS: 142-82-5

Signal: 1

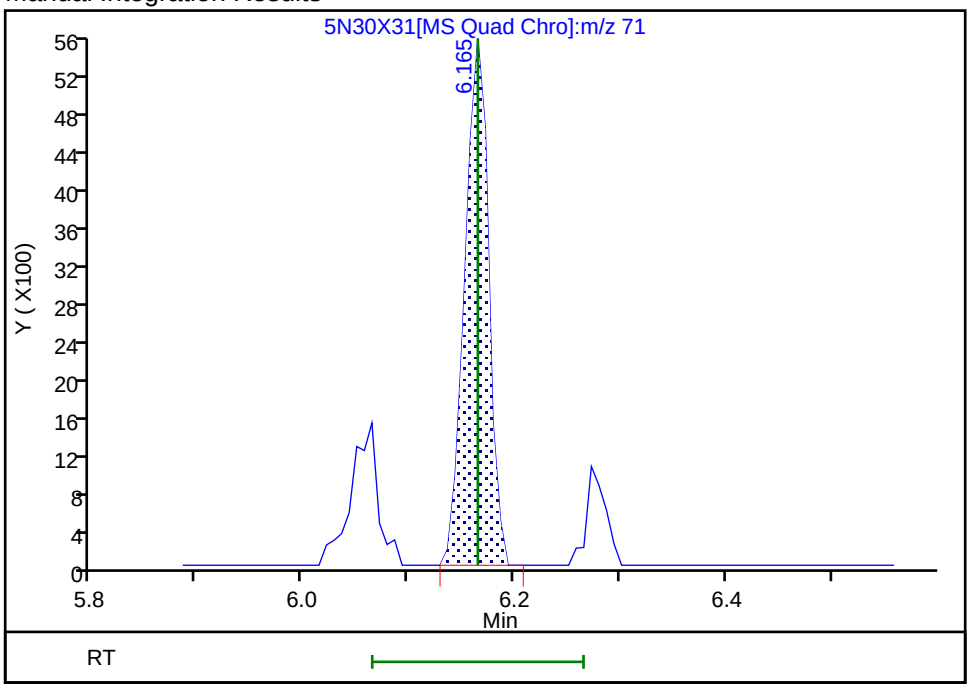
Processing Integration Results

RT: 6.17
Area: 10090
Amount: 0.195405
Amount Units: ppb v/v



Manual Integration Results

RT: 6.17
Area: 8765
Amount: 0.172512
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:59:20

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

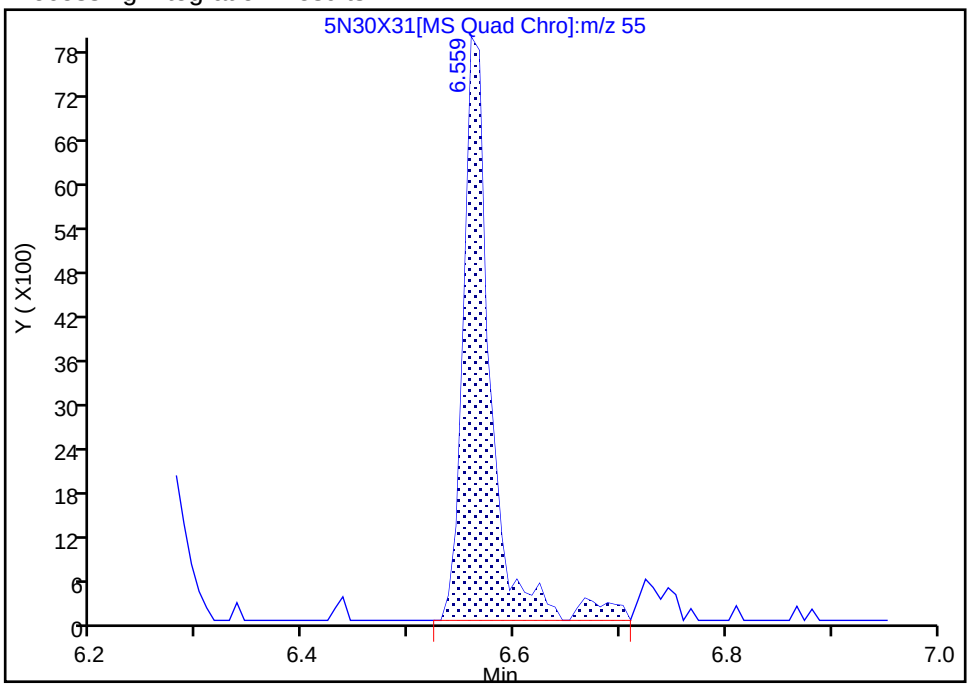
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

51 Ethyl acrylate, CAS: 140-88-5

Signal: 1

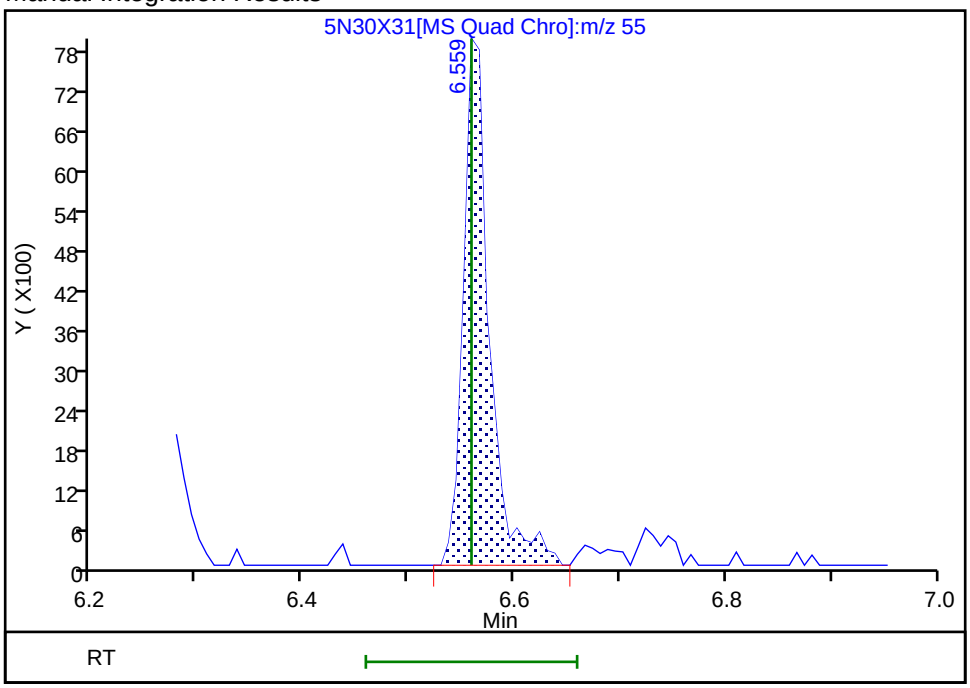
Processing Integration Results

RT: 6.56
Area: 14225
Amount: 0.177132
Amount Units: ppb v/v



Manual Integration Results

RT: 6.56
Area: 13557
Amount: 0.169696
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:59:28
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

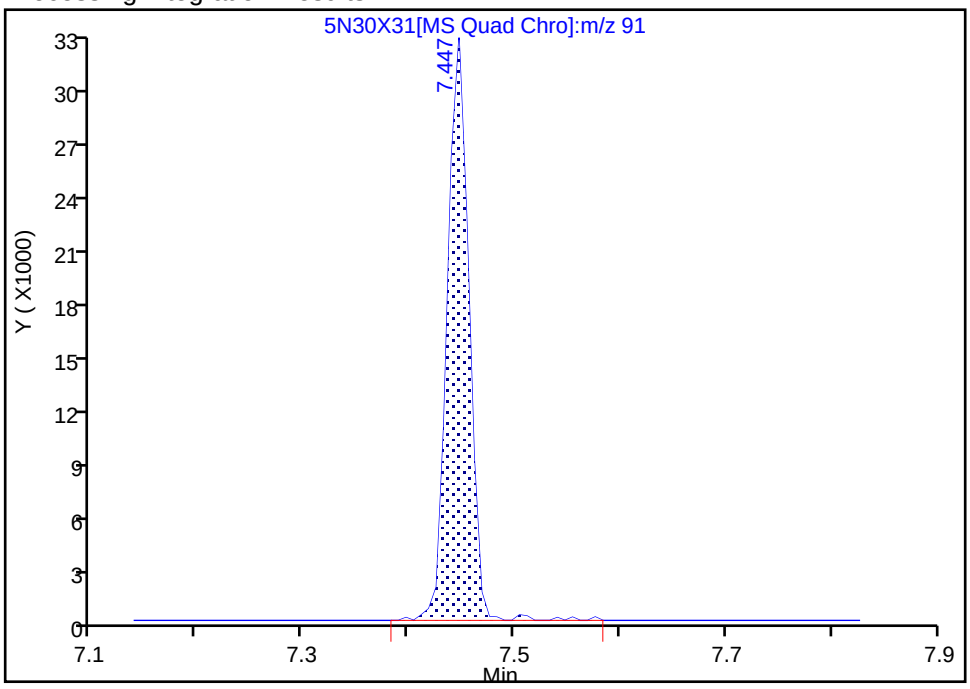
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

59 Toluene, CAS: 108-88-3

Signal: 1

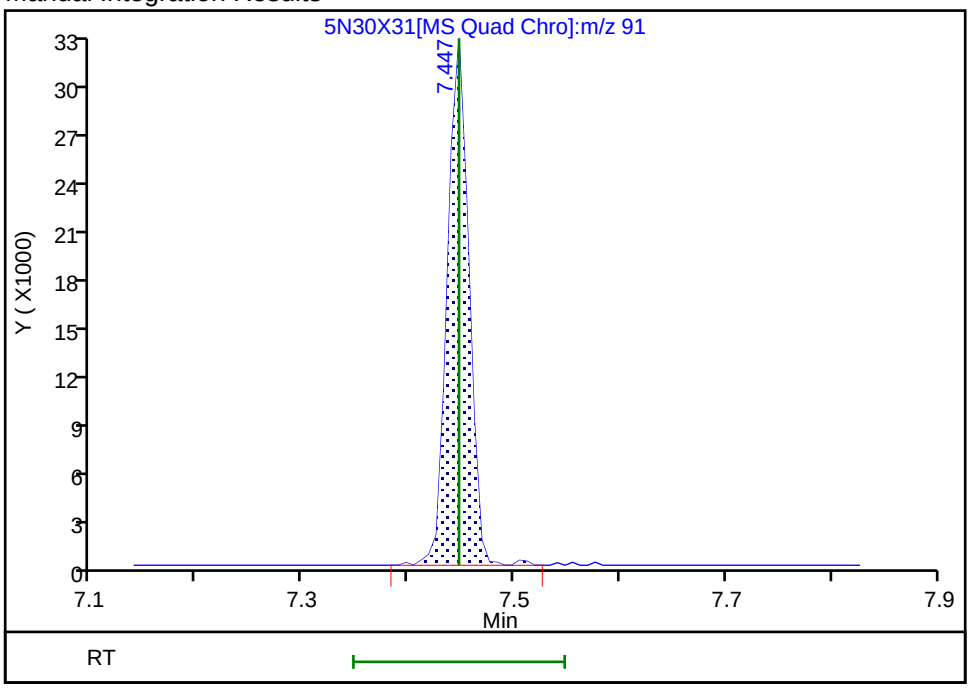
Processing Integration Results

RT: 7.45
Area: 45996
Amount: 0.210229
Amount Units: ppb v/v



Manual Integration Results

RT: 7.45
Area: 45769
Amount: 0.209328
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:59:41

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

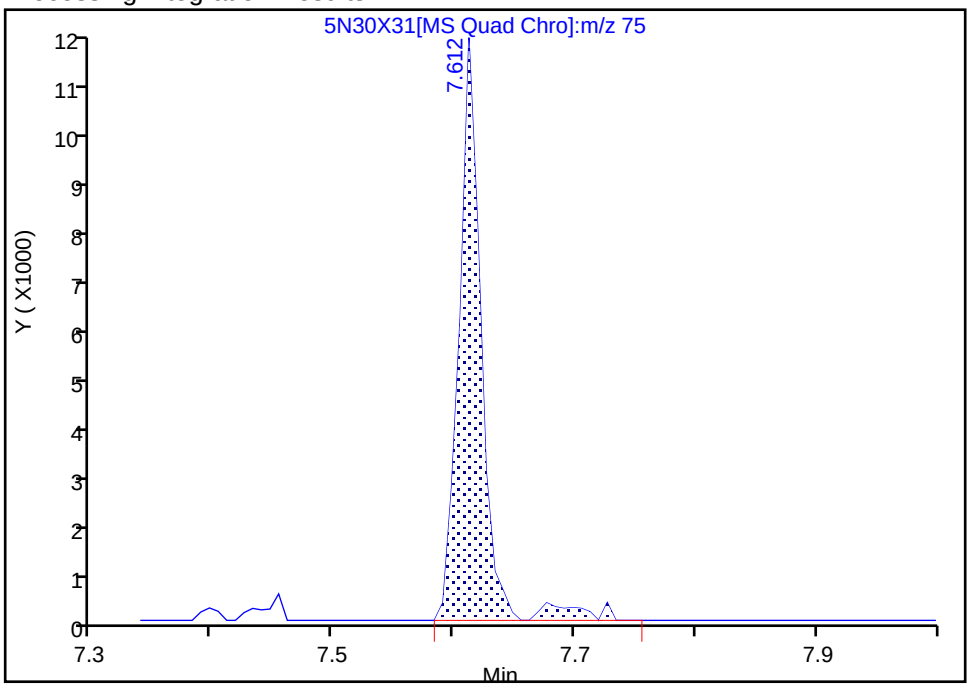
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

61 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

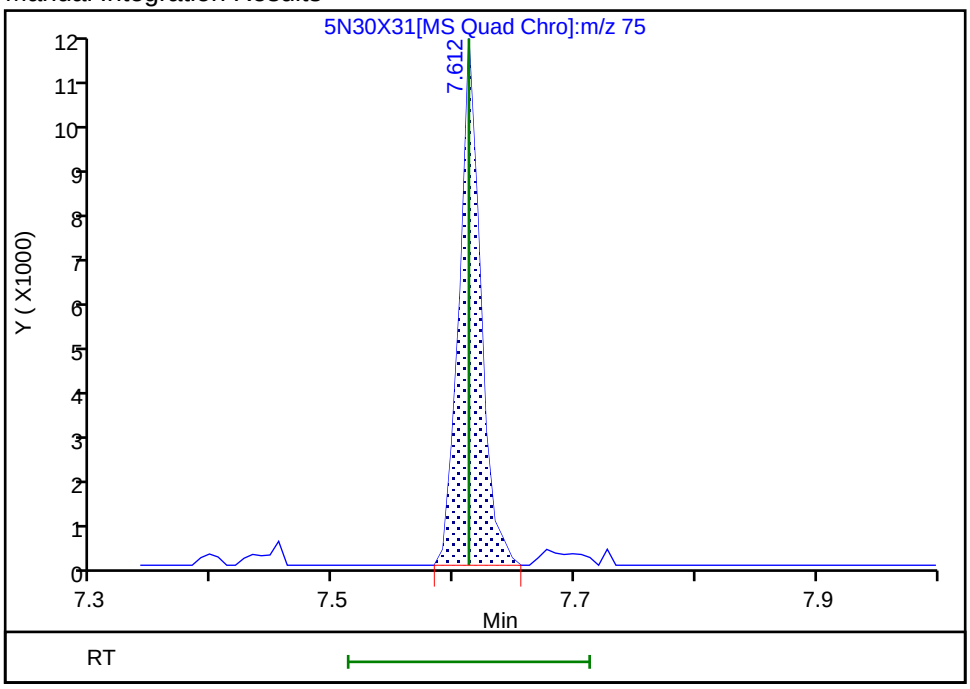
Processing Integration Results

RT: 7.61
Area: 15184
Amount: 0.186988
Amount Units: ppb v/v



Manual Integration Results

RT: 7.61
Area: 14309
Amount: 0.177407
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:59:49

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

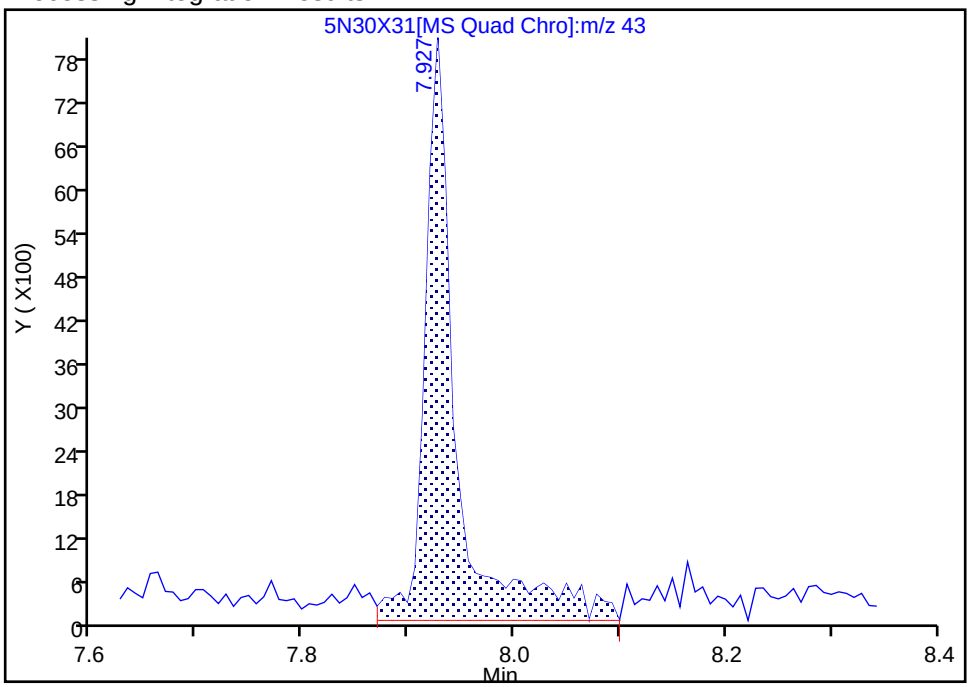
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

65 2-Hexanone, CAS: 591-78-6

Signal: 1

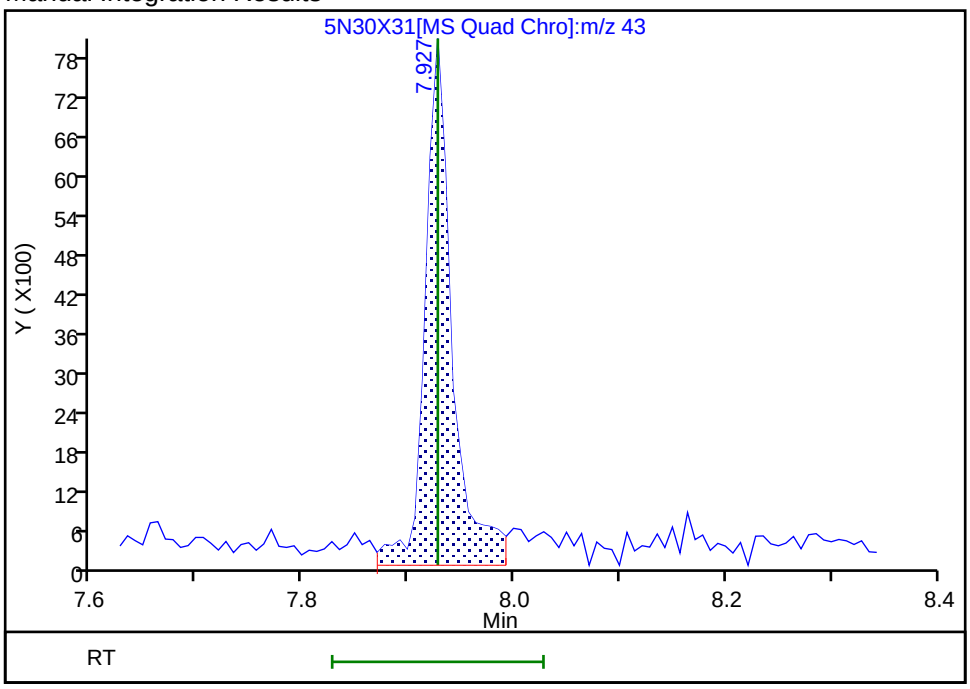
Processing Integration Results

RT: 7.93
Area: 16620
Amount: 0.237381
Amount Units: ppb v/v



Manual Integration Results

RT: 7.93
Area: 14255
Amount: 0.207993
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:59:58
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

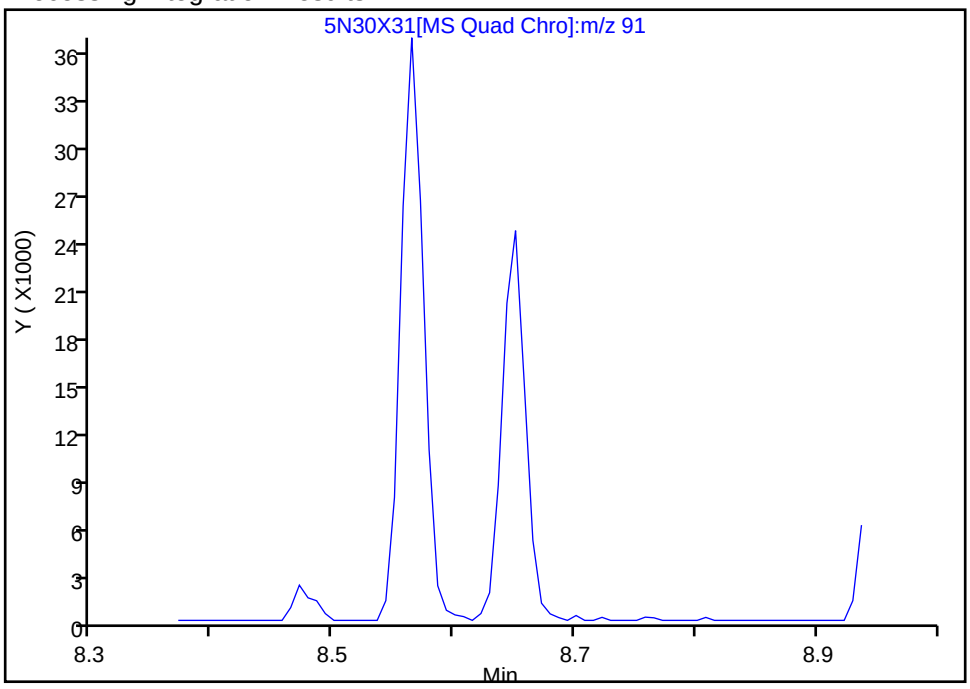
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

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

Signal: 1

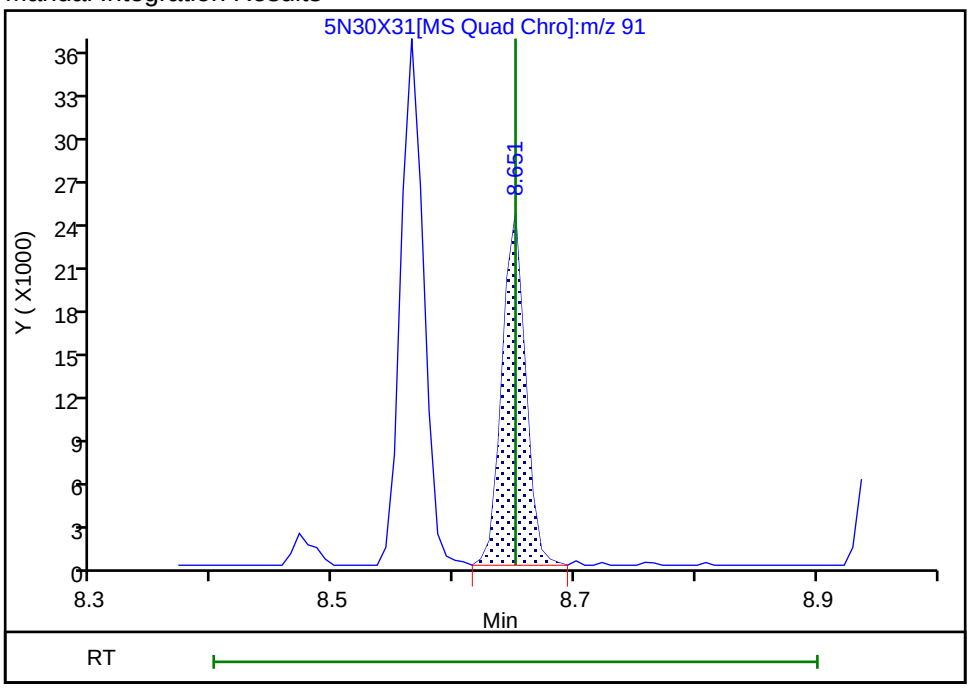
Not Detected
Expected RT: 8.65

Processing Integration Results



Manual Integration Results

RT: 8.65
Area: 33250
Amount: 0.169310
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:00:28
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

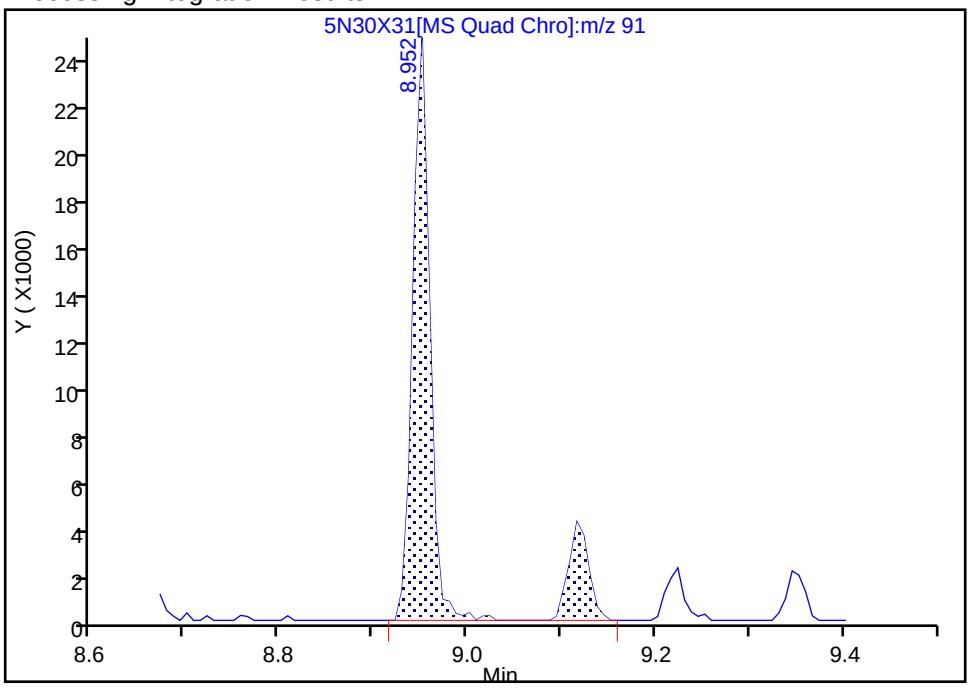
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

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

Signal: 1

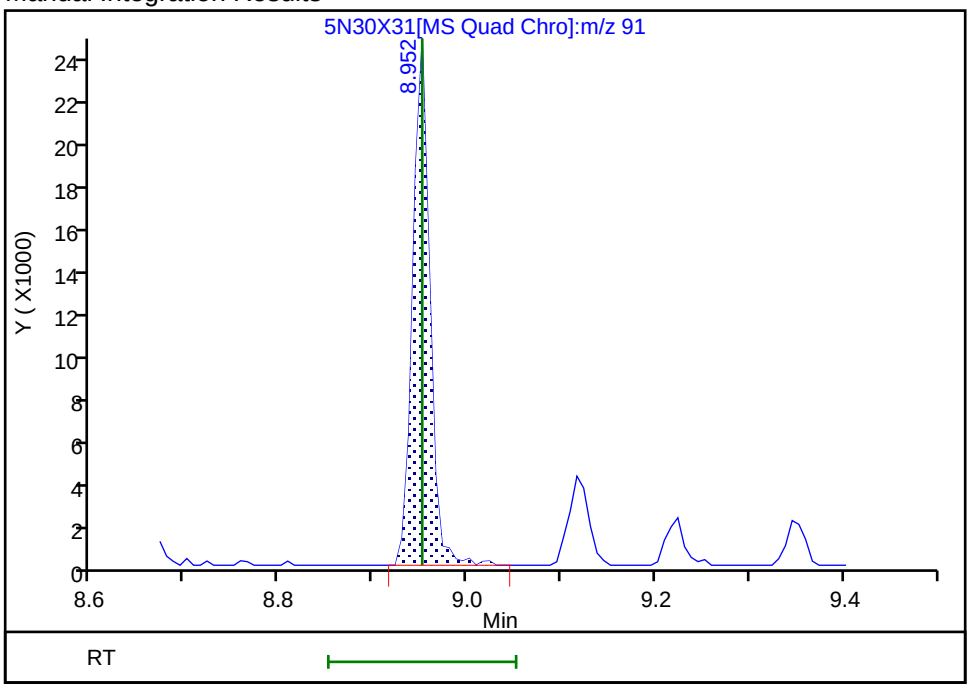
Processing Integration Results

RT: 8.95
Area: 36264
Amount: 0.188620
Amount Units: ppb v/v



Manual Integration Results

RT: 8.95
Area: 30229
Amount: 0.160376
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:00:35

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

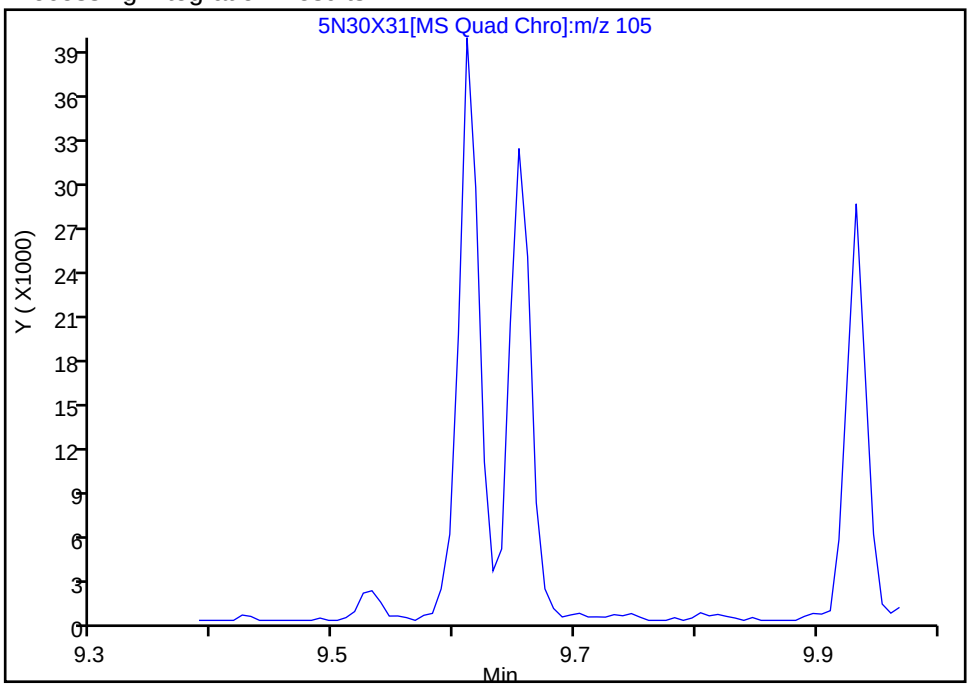
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

83 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

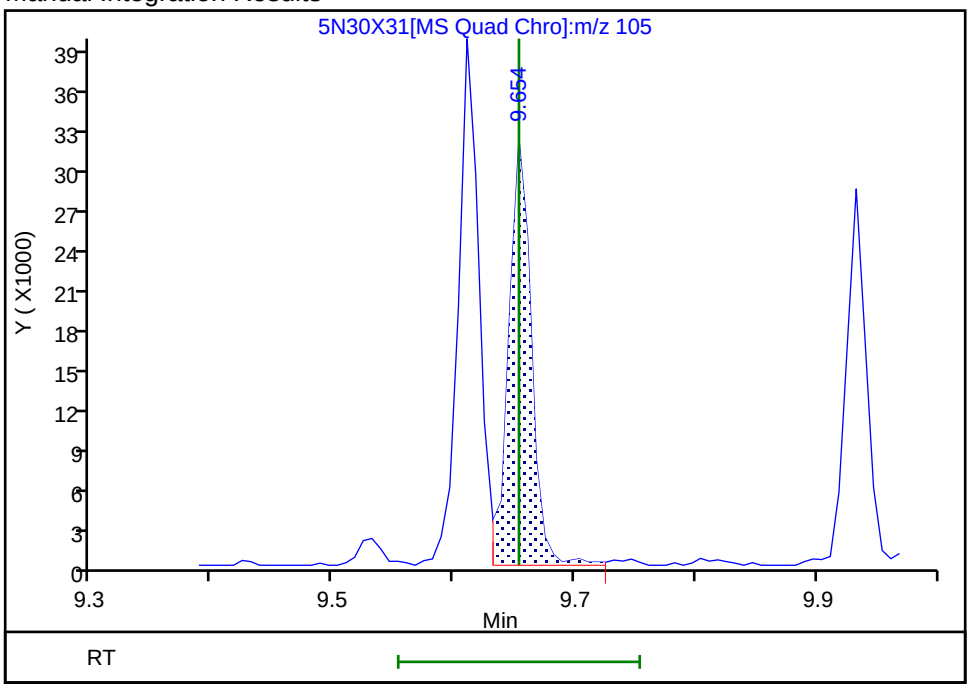
Not Detected
Expected RT: 9.65

Processing Integration Results



Manual Integration Results

RT: 9.65
Area: 41128
Amount: 0.169151
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:00:56
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

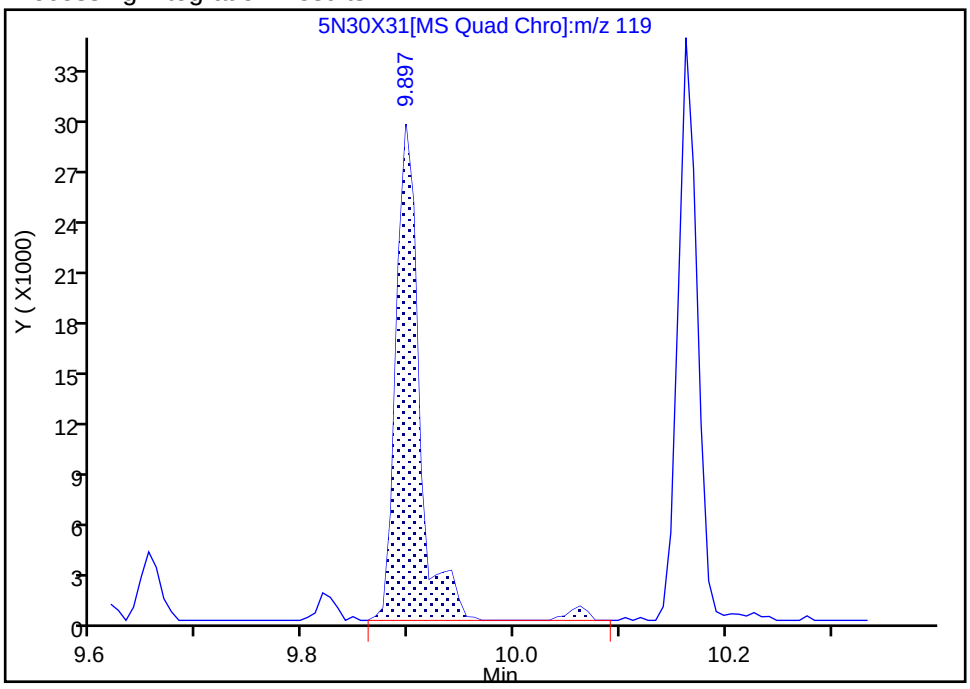
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

85 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

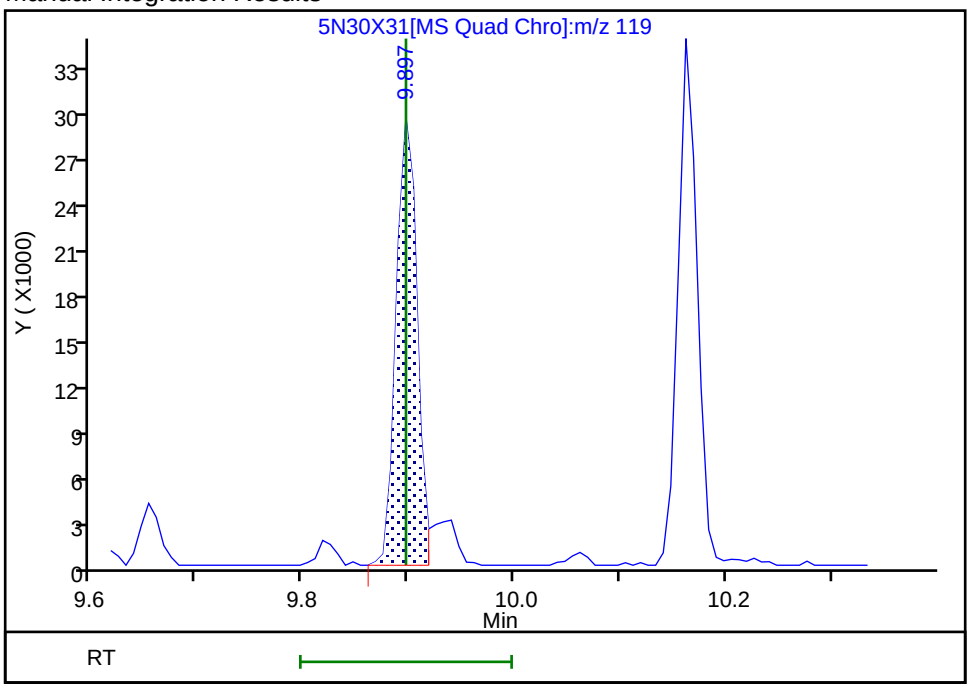
Processing Integration Results

RT: 9.90
Area: 45229
Amount: 0.183943
Amount Units: ppb v/v



Manual Integration Results

RT: 9.90
Area: 39412
Amount: 0.168536
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:01:09
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

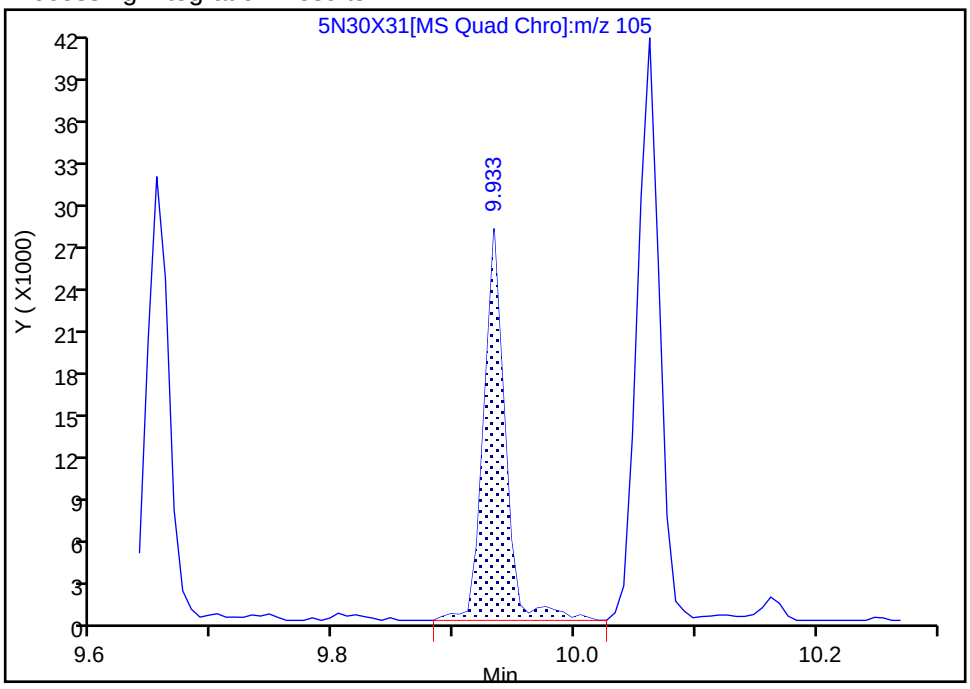
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

86 1,2,4-Trimethylbenzene, CAS: 95-63-6

Signal: 1

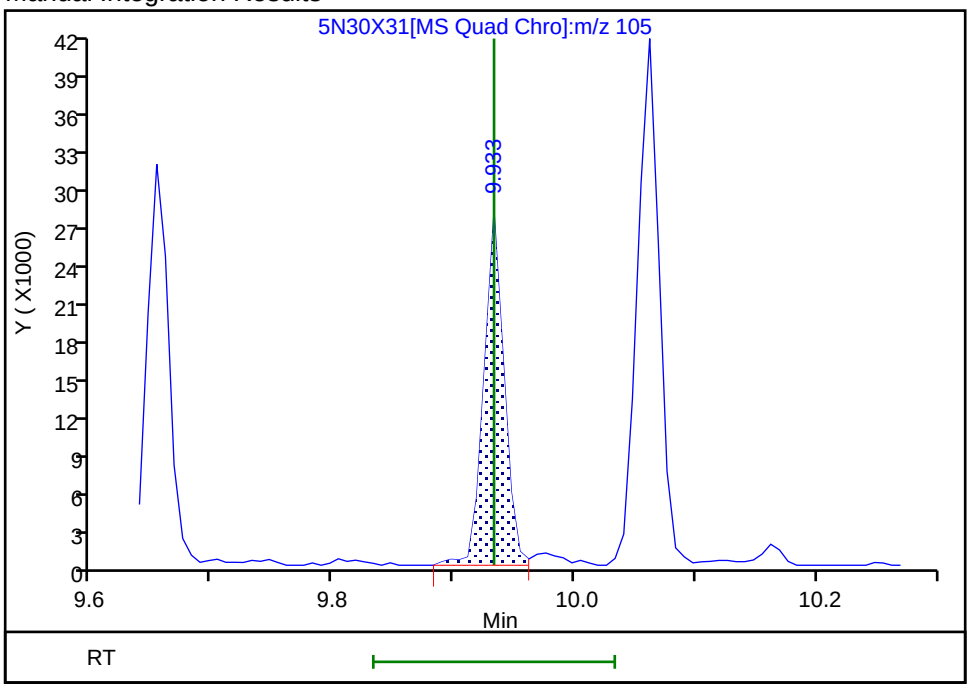
Processing Integration Results

RT: 9.93
Area: 34715
Amount: 0.154794
Amount Units: ppb v/v



Manual Integration Results

RT: 9.93
Area: 32913
Amount: 0.147499
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:01:15

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

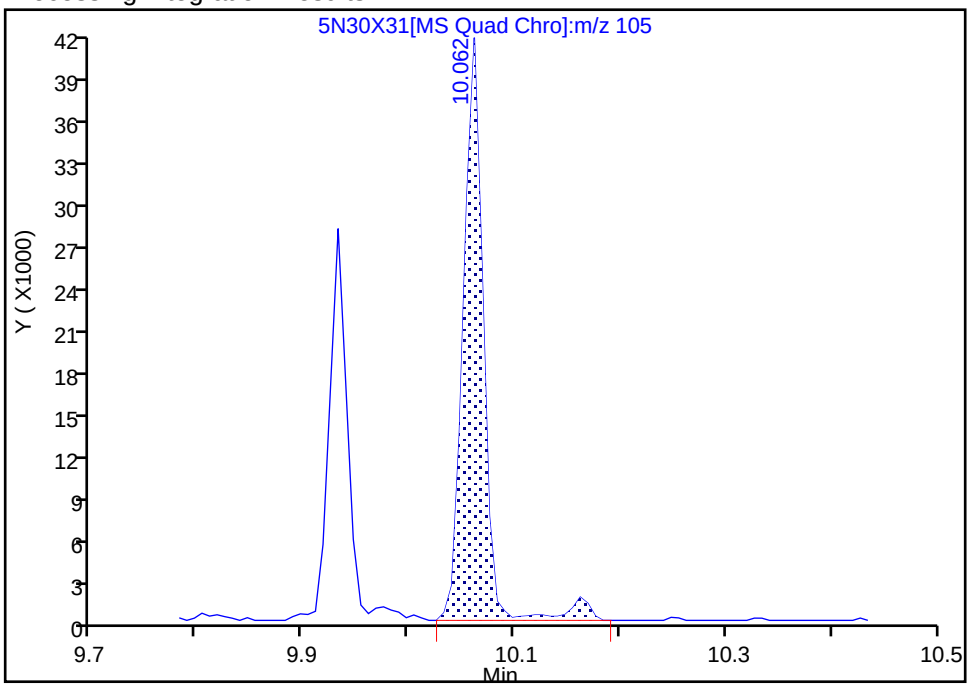
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X31.D				
Injection Date:	01-Dec-2021 01:45:05	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

87 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

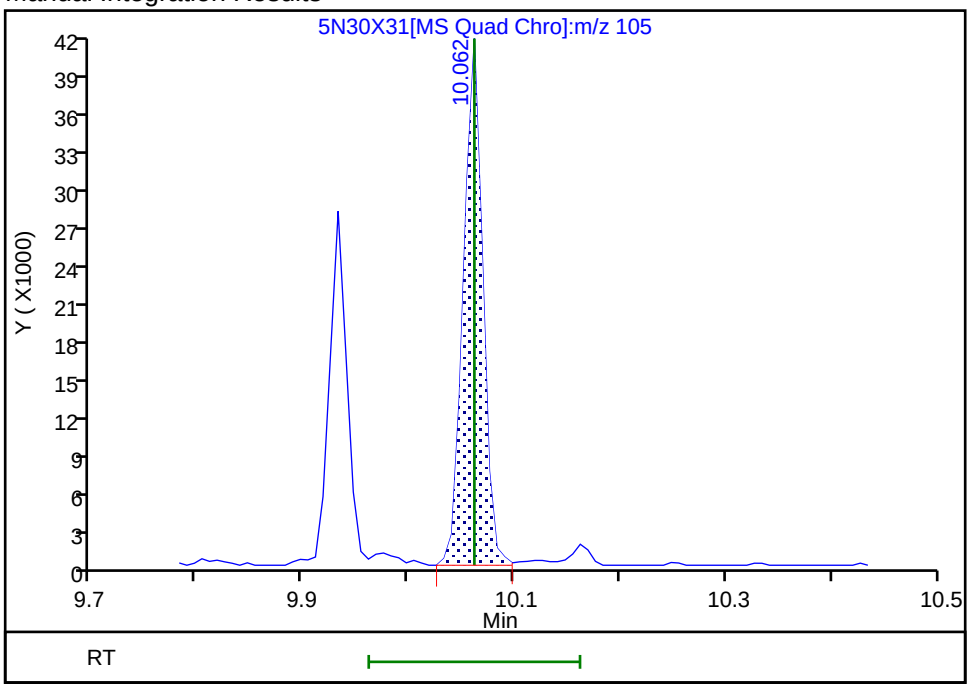
Processing Integration Results

RT: 10.06
Area: 56034
Amount: 0.170805
Amount Units: ppb v/v



Manual Integration Results

RT: 10.06
Area: 53229
Amount: 0.163126
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:01:21
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Dec-2021 02:06:54 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 410-0045222-004
Operator ID: etp33087 Instrument ID: HP22820
Sublist: chrom-AirMS_TO15_HP22820*sub1

Method: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 02-Dec-2021 12:35:34 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: proctore Date: 01-Dec-2021 16:57:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	1.638	1.638	0.000	93	16948	0.5000	0.5422	
2 Dichlorodifluoromethane	85	1.674	1.667	0.007	98	75524	0.5000	0.5205	
3 Chlorodifluoromethane	51	1.695	1.695	0.000	96	35837	0.5000	0.5277	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.803	1.803	0.000	95	80315	0.5000	0.5199	
5 Chloromethane	50	1.874	1.860	0.014	31	24746	0.5000	0.7327	M
6 Vinyl chloride	62	1.996	1.996	0.000	88	24432	0.5000	0.5130	
7 Butadiene	54	2.039	2.032	0.007	89	16656	0.5000	0.5009	
8 Bromomethane	94	2.376	2.376	0.000	91	28059	0.5000	0.5553	
9 Chloroethane	64	2.490	2.491	-0.001	98	17057	0.5000	0.5474	
10 Vinyl bromide	106	2.720	2.713	0.007	95	26268	0.5000	0.5069	
11 Dichlorofluoromethane	67	2.748	2.748	0.000	96	55887	0.5000	0.5180	
12 Trichlorofluoromethane	101	2.798	2.791	0.007	97	81072	0.5000	0.5079	
13 Pentane	43	2.892	2.892	0.000	94	29506	0.5000	0.4723	
14 Ethanol	45	3.114	3.121	-0.007	22	9084	0.5000	0.7231	M
15 Acrolein	56	3.371	3.364	0.007	91	6794	0.5000	0.4798	
16 1,1-Dichloroethene	61	3.443	3.443	0.000	96	35016	0.5000	0.4907	
17 112TCTFE	103	3.465	3.472	-0.007	92	45055	0.5000	0.5291	
18 Acetone	43	3.558	3.558	0.000	99	31249	0.5000	0.5300	
19 Iodomethane	142	3.622	3.615	0.007	96	79534	0.5000	0.5142	M
20 Carbon disulfide	76	3.672	3.672	0.000	98	72680	0.5000	0.4992	
21 Isopropyl alcohol	45	3.737	3.744	-0.007	94	24782	0.5000	0.5037	
23 Acetonitrile	41	3.887	3.887	0.000	80	39694	0.5000	0.5250	
22 3-Chloro-1-propene	41	3.887	3.887	0.000	94	39694	0.5000	0.5250	a
24 Methylene Chloride	84	4.023	4.023	0.000	84	25971	0.5000	0.5185	
25 2-Methyl-2-propanol	59	4.174	4.174	0.000	93	31780	0.5000	0.4671	
26 trans-1,2-Dichloroethene	61	4.295	4.296	-0.001	95	32120	0.5000	0.4877	
27 Methyl tert-butyl ether	73	4.310	4.303	0.007	95	49502	0.5000	0.4247	
28 Acrylonitrile	53	4.310	4.310	0.000	48	18286	0.5000	0.5260	
29 Hexane	56	4.553	4.561	-0.008	90	15561	0.5000	0.4590	
30 1,1-Dichloroethane	63	4.718	4.718	0.000	95	44216	0.5000	0.4942	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Vinyl acetate	43	4.783	4.783	0.000	97	62853	0.5000	0.4177	
31 Isopropyl ether	45	4.790	4.783	0.007	65	50218	0.5000	0.4207	M
33 Tert-butyl ethyl ether	59	5.112	5.112	0.000	93	47061	0.5000	0.4196	M
34 cis-1,2-Dichloroethene	61	5.255	5.248	0.007	77	30596	0.5000	0.4879	
35 2-Butanone (MEK)	43	5.277	5.284	-0.007	97	30128	0.5000	0.4692	Ma
36 Ethyl acetate	43	5.327	5.327	0.000	97	43584	0.5000	0.4793	
37 Methyl acrylate	55	5.356	5.356	0.000	98	29235	0.5000	0.4291	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	84	272244	10.0	10.0	
39 Tetrahydrofuran	42	5.499	5.499	0.000	80	18227	0.5000	0.4404	
40 Chloroform	83	5.528	5.528	0.000	90	60425	0.5000	0.4942	M
41 1,1,1-Trichloroethane	97	5.671	5.671	0.000	97	60086	0.5000	0.4978	
42 Cyclohexane	56	5.707	5.707	0.000	85	27475	0.5000	0.4384	
43 Carbon tetrachloride	117	5.800	5.800	0.000	97	61936	0.5000	0.4842	
44 Benzene	78	5.979	5.972	0.007	94	90349	0.5000	0.5275	
45 1,2-Dichloroethane	62	6.000	6.000	0.000	97	37224	0.5000	0.5227	
46 Isooctane	57	6.029	6.022	0.007	95	77823	0.5000	0.4285	
47 Tert-amyl methyl ether	73	6.058	6.065	-0.007	92	45987	0.5000	0.4141	
48 n-Heptane	71	6.165	6.165	0.000	81	20522	0.5000	0.4083	M
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	92	1192865	10.0	10.0	
50 Trichloroethene	130	6.480	6.480	0.000	96	44502	0.5000	0.4973	
51 Ethyl acrylate	55	6.559	6.559	0.000	98	35311	0.5000	0.4468	
52 1,2-Dichloropropane	63	6.659	6.659	0.000	94	27062	0.5000	0.4781	
53 Methyl methacrylate	69	6.738	6.738	0.000	87	17858	0.5000	0.3893	
54 Dibromomethane	174	6.760	6.753	0.007	93	43687	0.5000	0.5004	
55 1,4-Dioxane	88	6.767	6.767	0.000	92	16863	0.5000	0.4945	
56 Dichlorobromomethane	83	6.867	6.867	0.000	98	59378	0.5000	0.4816	M
57 cis-1,3-Dichloropropene	75	7.204	7.204	0.000	97	37779	0.5000	0.4436	
58 4-Methyl-2-pentanone (MIBK)	43	7.311	7.311	0.000	94	32142	0.5000	0.4215	
59 Toluene	91	7.447	7.447	0.000	99	104228	0.5000	0.5012	
60 n-Octane	43	7.497	7.498	-0.001	75	41373	0.5000	0.4417	
61 trans-1,3-Dichloropropene	75	7.612	7.612	0.000	90	34269	0.5000	0.4467	
62 Ethyl methacrylate	69	7.662	7.655	0.007	85	28790	0.5000	0.3886	
63 1,1,2-Trichloroethane	97	7.755	7.755	0.000	89	40998	0.5000	0.5162	M
64 Tetrachloroethene	166	7.848	7.849	-0.001	97	63051	0.5000	0.4780	
65 2-Hexanone	43	7.927	7.927	0.000	94	30631	0.5000	0.4699	M
66 Chlorodibromomethane	127	8.049	8.049	0.000	90	52784	0.5000	0.4805	
67 Ethylene Dibromide	107	8.142	8.142	0.000	100	59616	0.5000	0.4847	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	83	1312804	10.0	10.0	
69 Chlorobenzene	112	8.500	8.500	0.000	97	94910	0.5000	0.5042	
70 1,1,1,2-Tetrachloroethane	131	8.557	8.558	-0.001	93	52272	0.5000	0.4928	
71 Ethylbenzene	91	8.565	8.565	0.000	97	111422	0.5000	0.4539	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	99	80202	0.5000	0.4294	Ma
73 o-Xylene	91	8.951	8.952	-0.001	95	74881	0.5000	0.4177	
74 Styrene	104	8.966	8.959	0.007	94	54608	0.5000	0.3793	
75 Bromoform	173	9.123	9.116	0.007	97	71913	0.5000	0.4826	
76 Isopropylbenzene	105	9.224	9.224	0.000	95	108522	0.5000	0.4256	
77 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	95	91946	0.5000	0.5531	
78 Bromobenzene	156	9.474	9.475	-0.001	84	59174	0.5000	0.4960	
79 1,2,3-Trichloropropane	110	9.496	9.496	0.000	79	28847	0.5000	0.5177	
80 N-Propylbenzene	120	9.532	9.532	0.000	98	36376	0.5000	0.4272	
82 2-Chlorotoluene	126	9.610	9.611	-0.001	95	36756	0.5000	0.4495	
81 4-Ethyltoluene	105	9.610	9.611	-0.001	89	118232	0.5000	0.4395	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 1,3,5-Trimethylbenzene	105	9.653	9.654	-0.001	94	104143	0.5000	0.4503	Ma
84 Alpha Methyl Styrene	118	9.825	9.818	0.007	87	43004	0.5000	0.4086	
85 tert-Butylbenzene	119	9.904	9.897	0.007	91	97840	0.5000	0.4399	M
86 1,2,4-Trimethylbenzene	105	9.933	9.933	0.000	96	91798	0.5000	0.4325	
87 sec-Butylbenzene	105	10.062	10.062	0.000	93	143035	0.5000	0.4609	
89 4-Isopropyltoluene	119	10.162	10.162	0.000	96	113350	0.5000	0.4232	
88 1,3-Dichlorobenzene	146	10.162	10.162	0.000	96	106044	0.5000	0.5410	
90 1,4-Dichlorobenzene	146	10.234	10.234	0.000	96	104867	0.5000	0.5347	
91 Benzyl chloride	126	10.334	10.334	0.000	97	16482	0.5000	0.4228	
92 n-Butylbenzene	92	10.477	10.477	0.000	97	52218	0.5000	0.3983	
93 1,2-Dichlorobenzene	146	10.520	10.520	0.000	98	99033	0.5000	0.5382	
94 Hexachloroethane	117	10.706	10.707	-0.001	90	55081	0.5000	0.5193	
95 1,2-Dibromo-3-Chloropropane	157	11.115	11.115	0.000	90	53754	0.5000	0.5625	
96 1,2,4-Trichlorobenzene	180	11.738	11.745	-0.007	93	77421	0.5000	0.6124	
97 Hexachlorobutadiene	225	11.860	11.860	0.000	98	73933	0.5000	0.6050	
98 Naphthalene	128	11.946	11.946	0.000	96	124050	0.5000	0.6009	
S 101 1,2-Dichloroethene, Total	61				0	62716	1.00	0.9756	
S 102 1,3-Dichloropropene, Total	75				0	72048	1.00	0.8865	
S 104 Xylenes, Total	91				0	155083	1.00	0.8473	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRCAL2.0_00052	Amount Added: 50.00	Units: mL	
AIRIS200 ppb_00080	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 02-Dec-2021 12:35:35 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D

Injection Date: 01-Dec-2021 02:06:54 Instrument ID: HP22820

Lims ID: IC

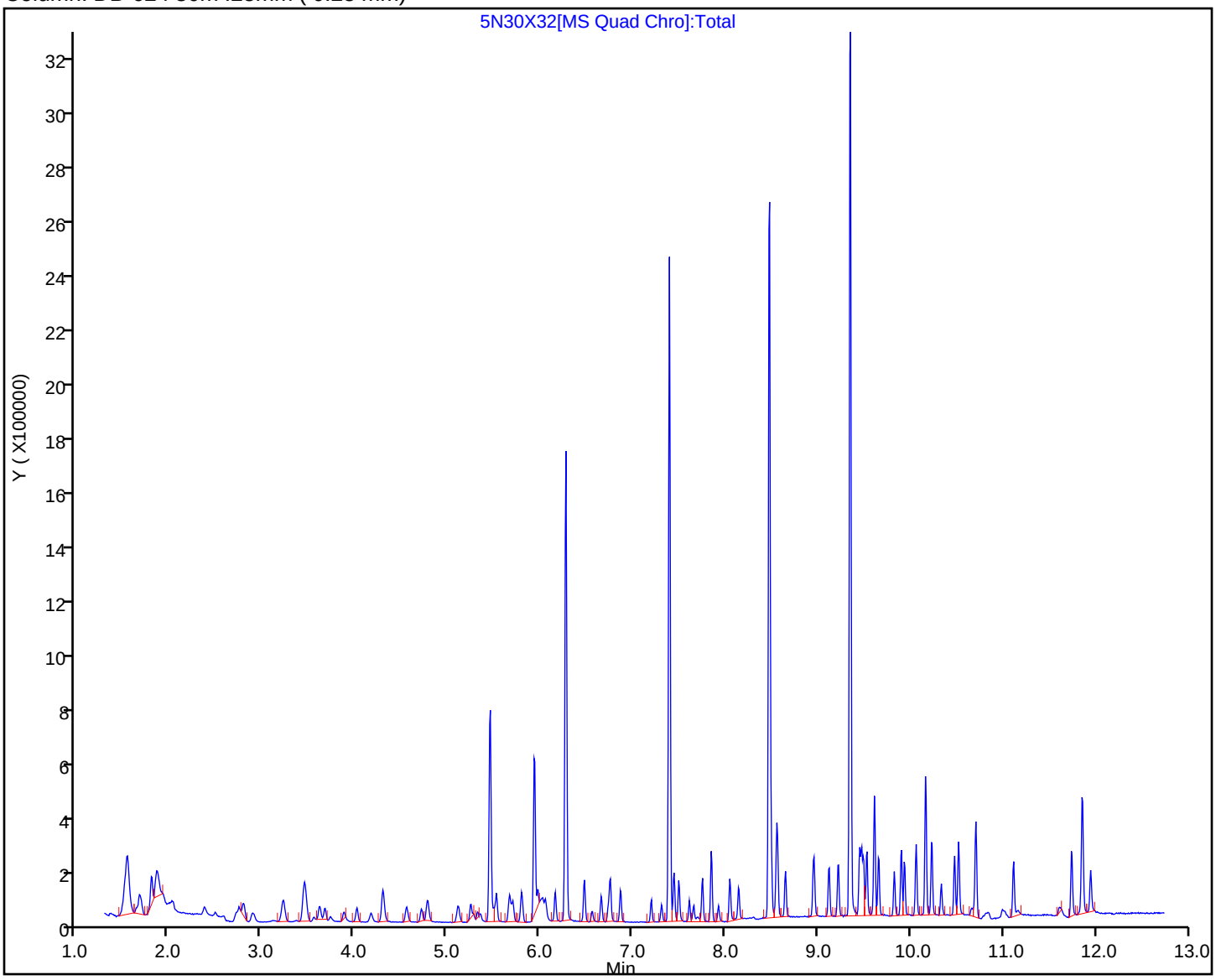
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 4

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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

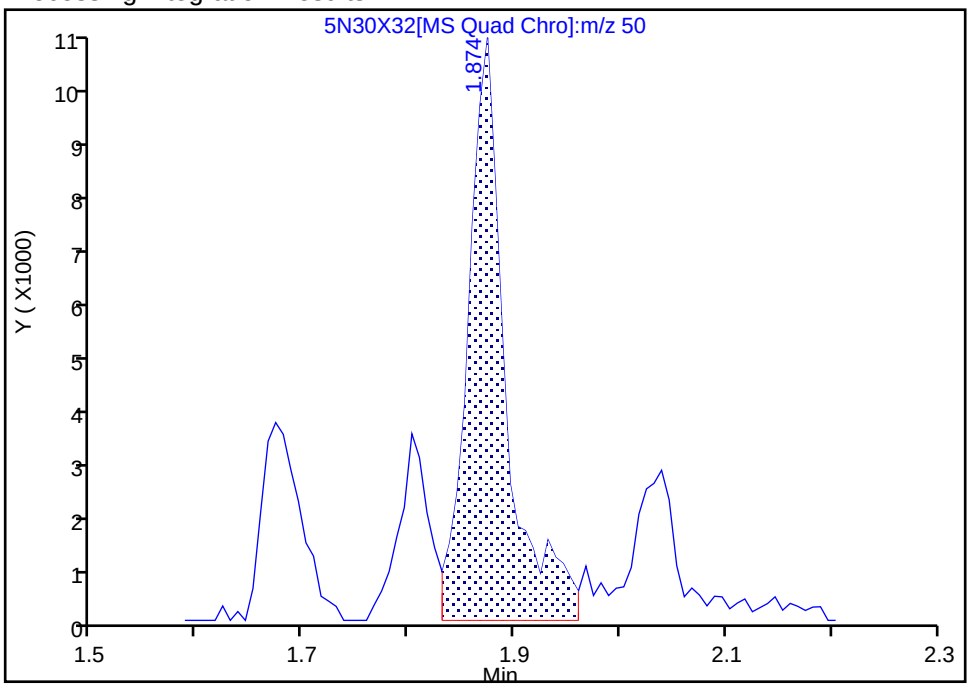
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

Signal: 1

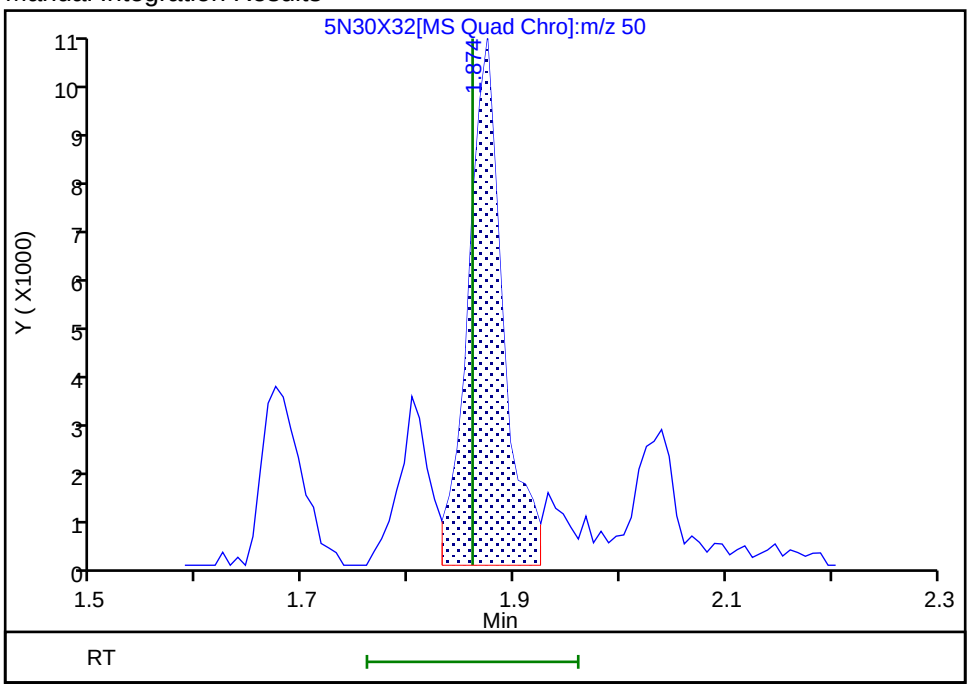
Processing Integration Results

RT: 1.87
Area: 26994
Amount: 0.698720
Amount Units: ppb v/v



Manual Integration Results

RT: 1.87
Area: 24746
Amount: 0.732694
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:17:57
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

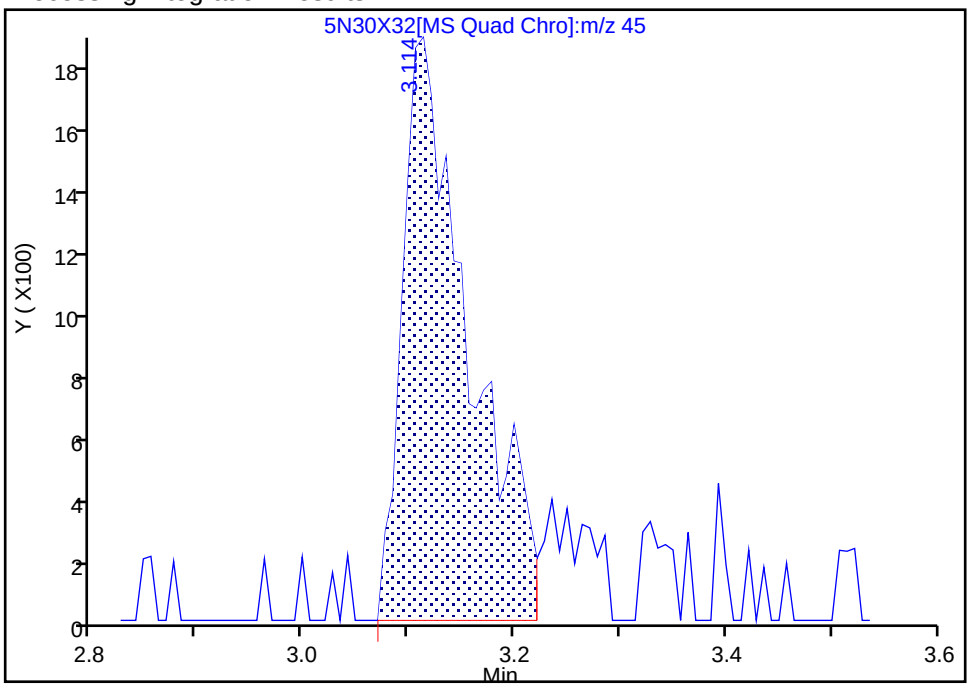
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

14 Ethanol, CAS: 64-17-5

Signal: 1

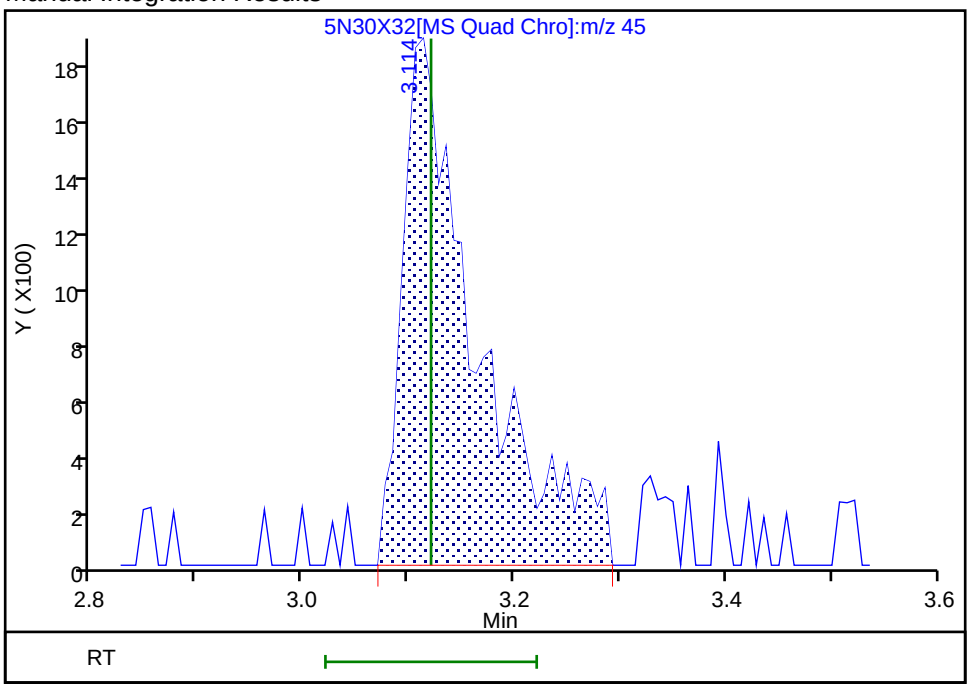
Processing Integration Results

RT: 3.11
Area: 7986
Amount: 0.578882
Amount Units: ppb v/v



Manual Integration Results

RT: 3.11
Area: 9084
Amount: 0.723052
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:53:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

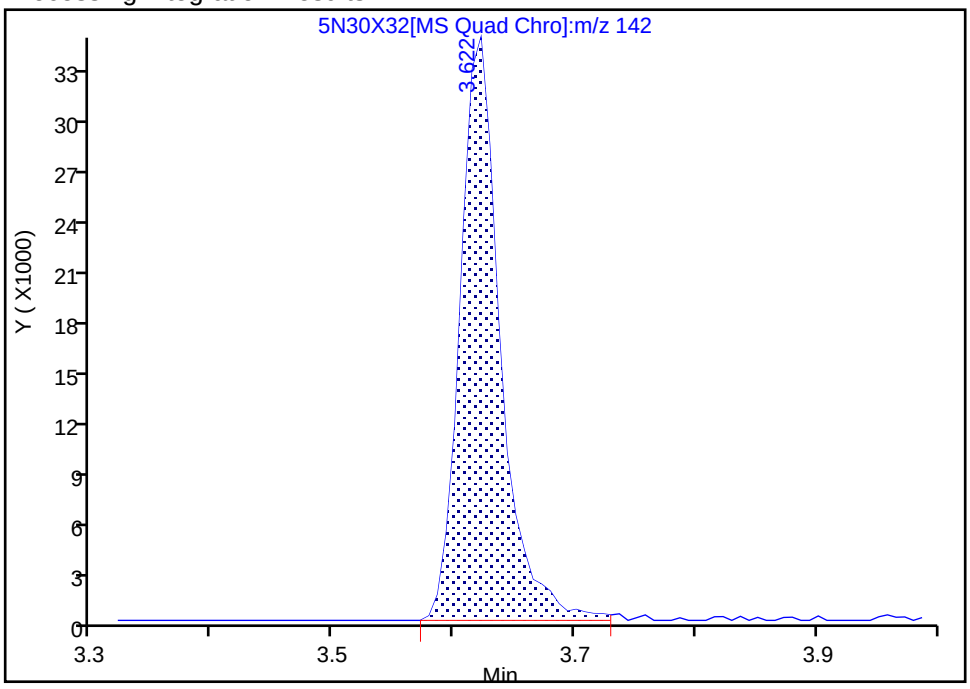
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

19 Iodomethane, CAS: 74-88-4

Signal: 1

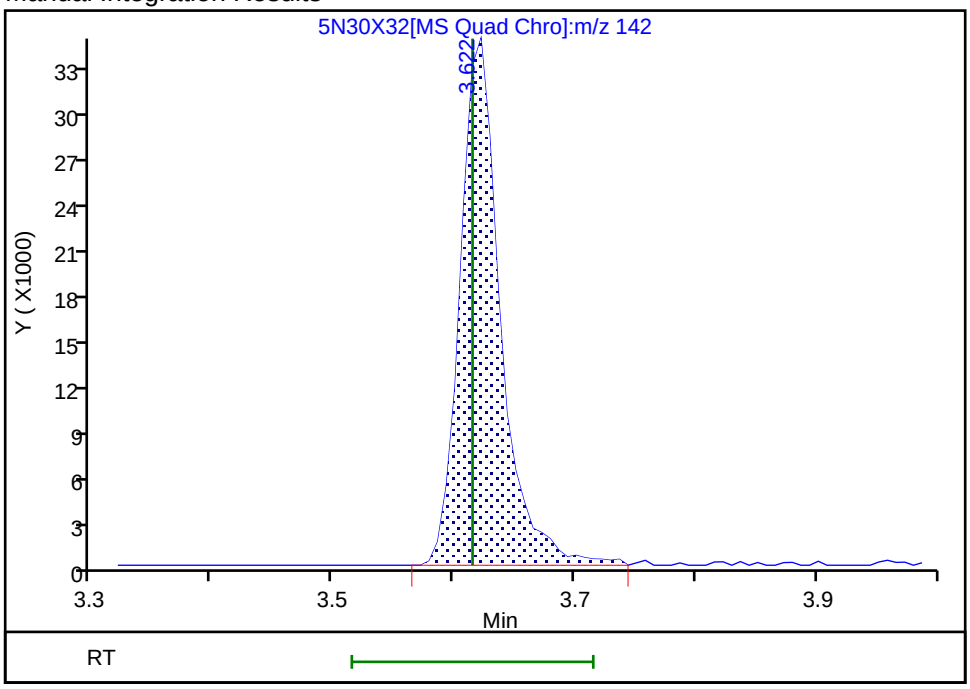
Processing Integration Results

RT: 3.62
Area: 79299
Amount: 0.512921
Amount Units: ppb v/v



Manual Integration Results

RT: 3.62
Area: 79534
Amount: 0.514245
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:53:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

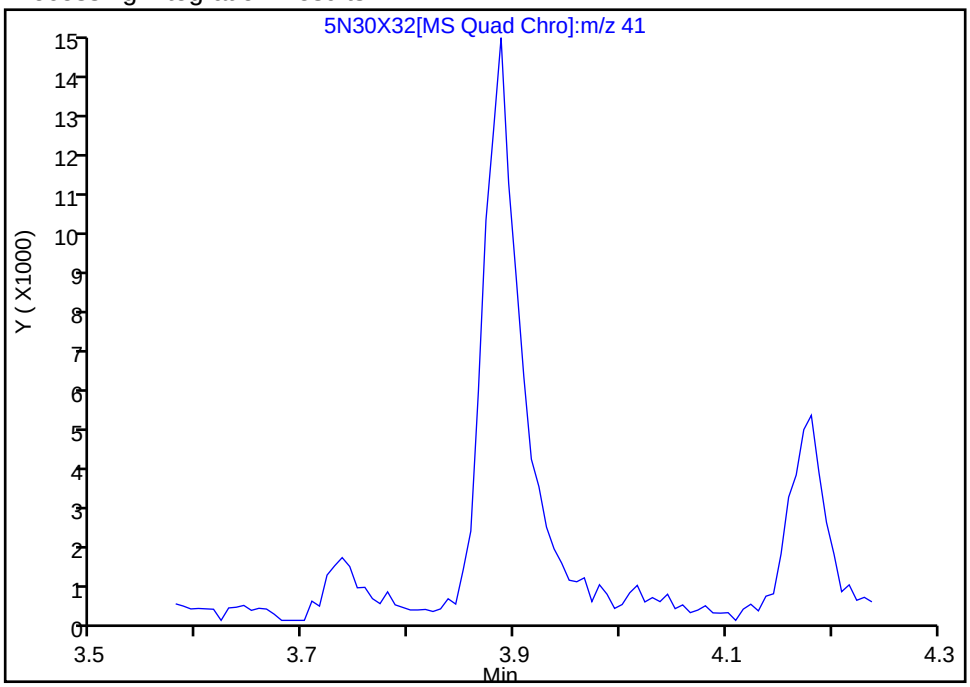
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

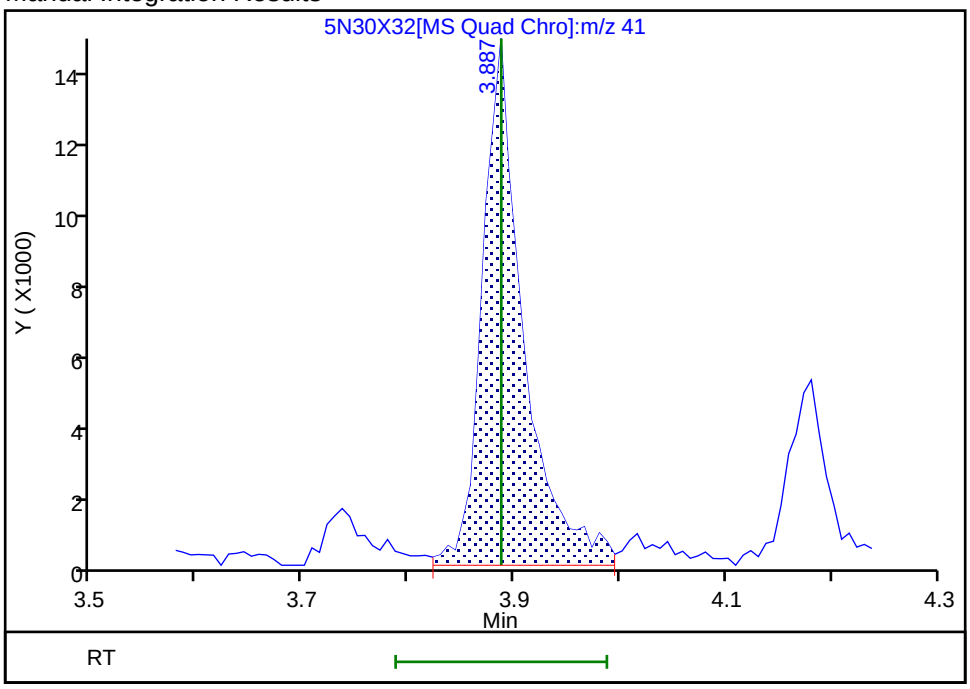
Not Detected
Expected RT: 3.89

Processing Integration Results



Manual Integration Results

RT: 3.89
Area: 39694
Amount: 0.525009
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:53:40
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

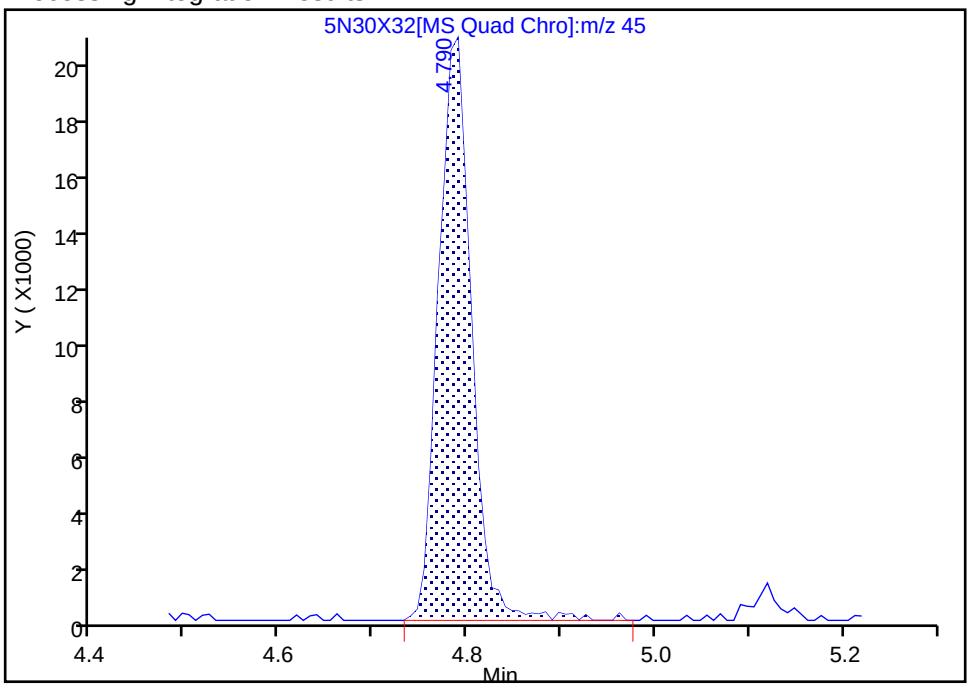
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

31 Isopropyl ether, CAS: 108-20-3

Signal: 1

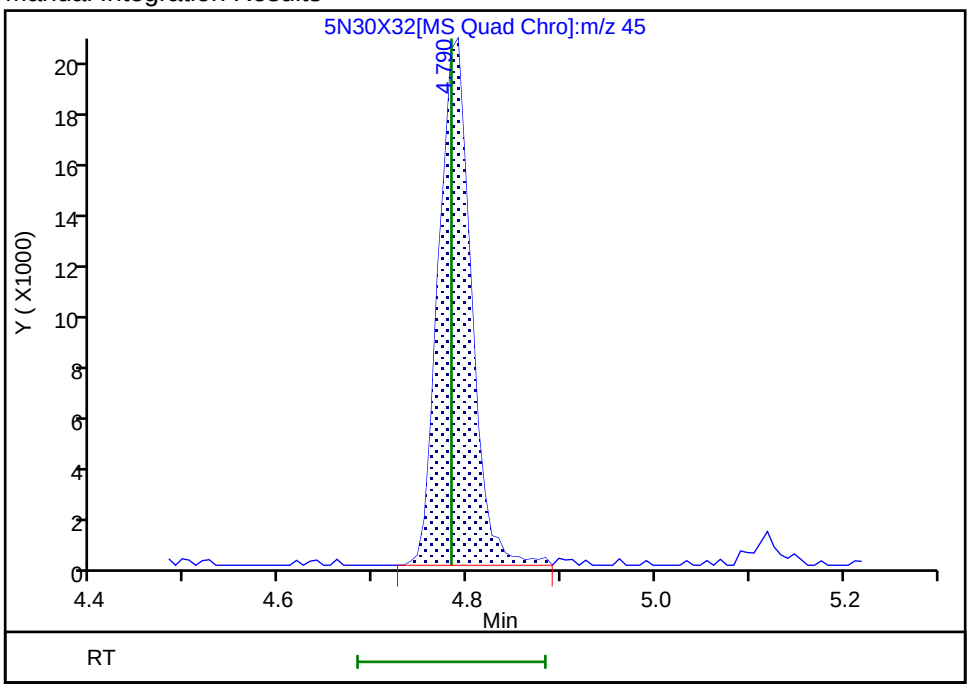
Processing Integration Results

RT: 4.79
Area: 50721
Amount: 0.424436
Amount Units: ppb v/v



Manual Integration Results

RT: 4.79
Area: 50218
Amount: 0.420670
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:54:05

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

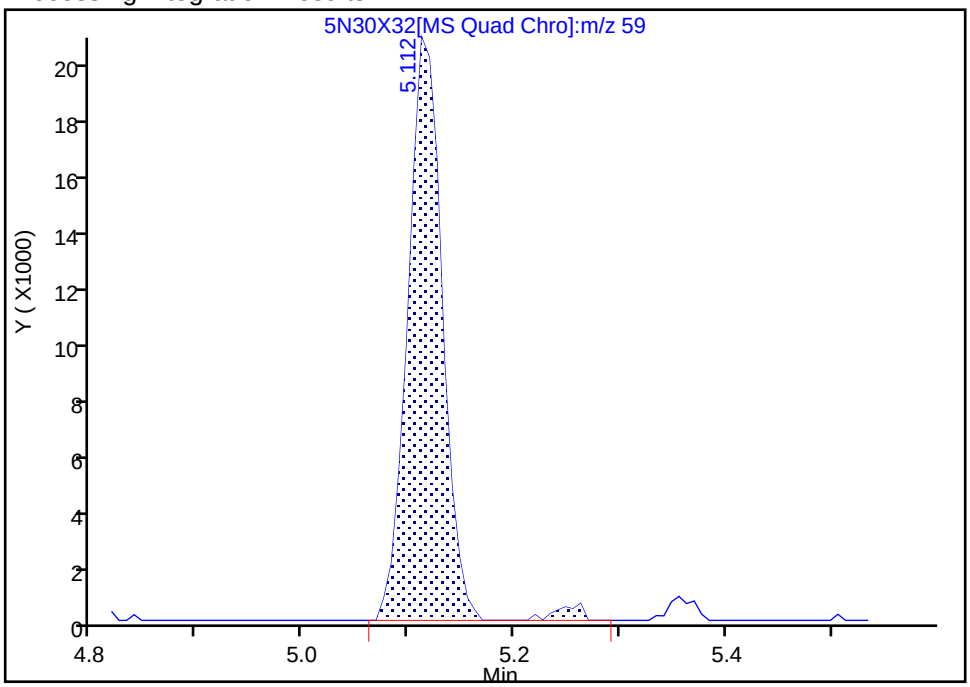
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

33 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

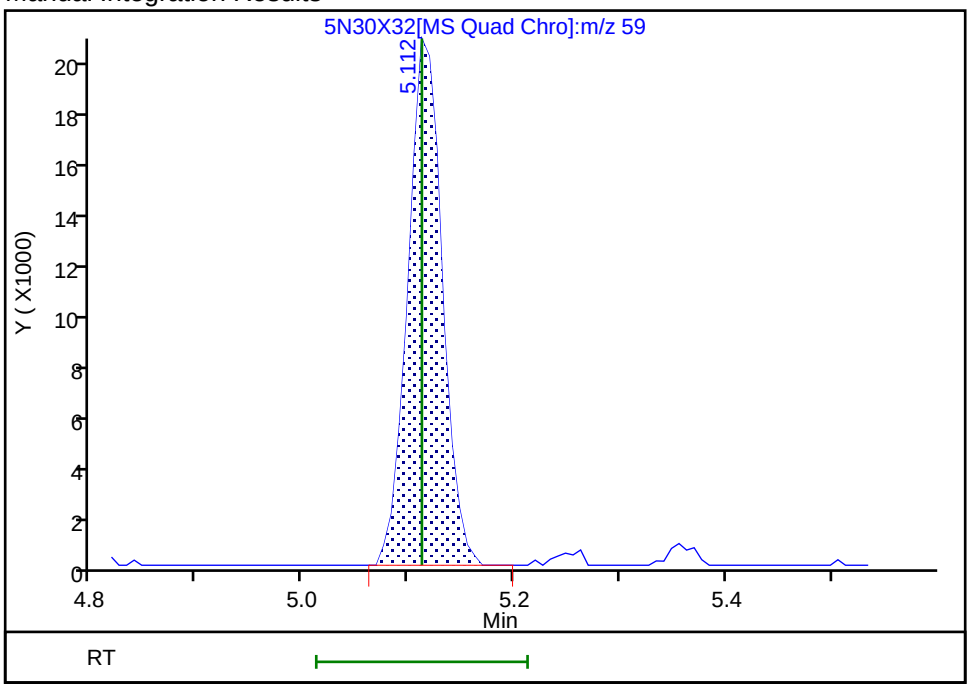
Processing Integration Results

RT: 5.11
Area: 48052
Amount: 0.427532
Amount Units: ppb v/v



Manual Integration Results

RT: 5.11
Area: 47061
Amount: 0.419640
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:54:17

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

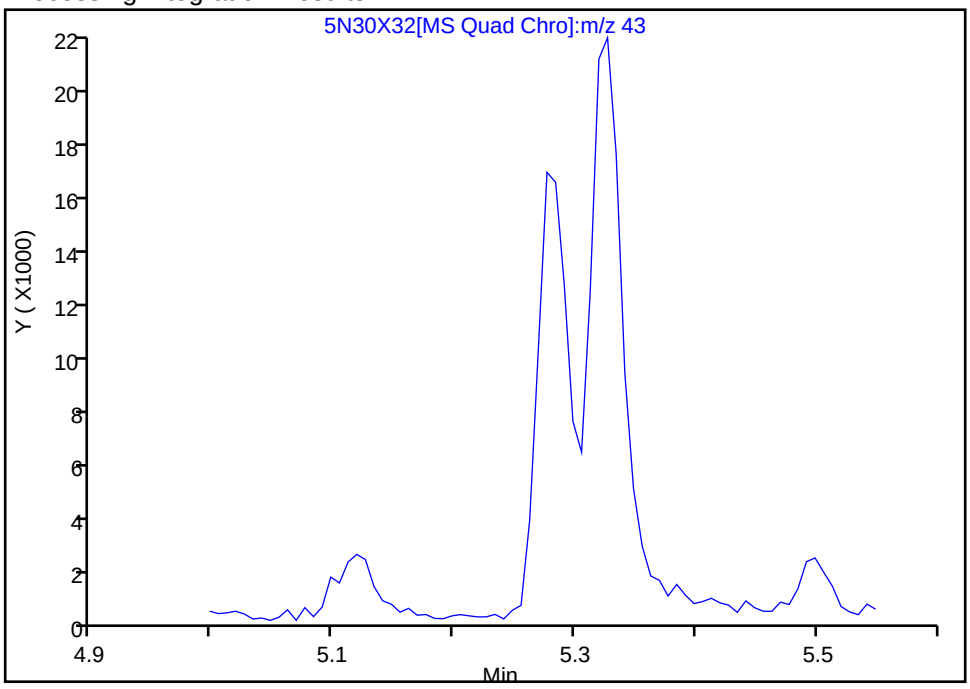
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

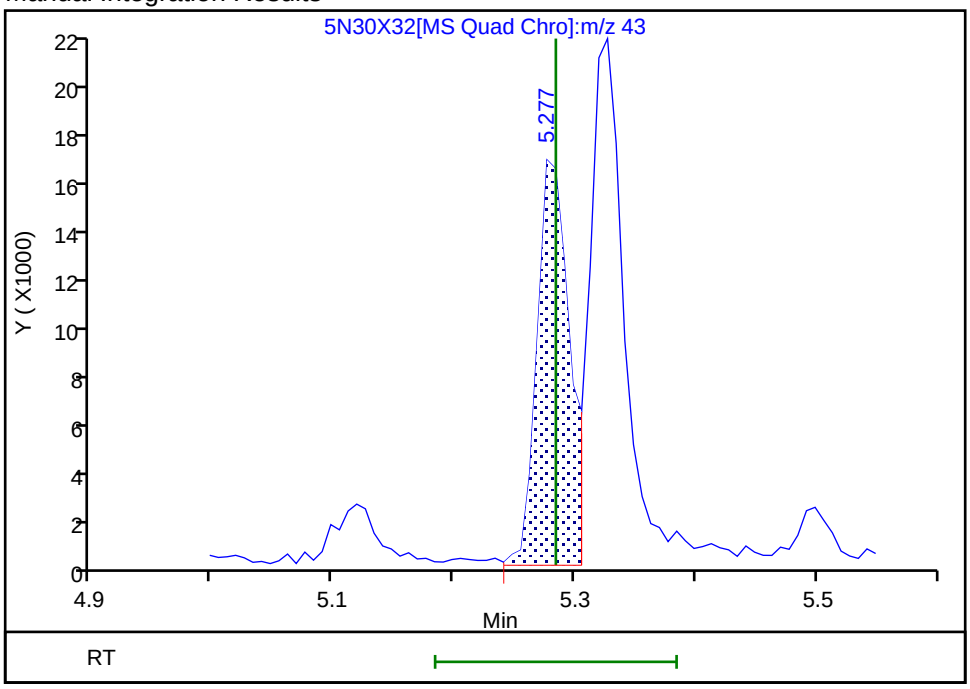
Not Detected
Expected RT: 5.28

Processing Integration Results



Manual Integration Results

RT: 5.28
Area: 30128
Amount: 0.469193
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:54:28
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

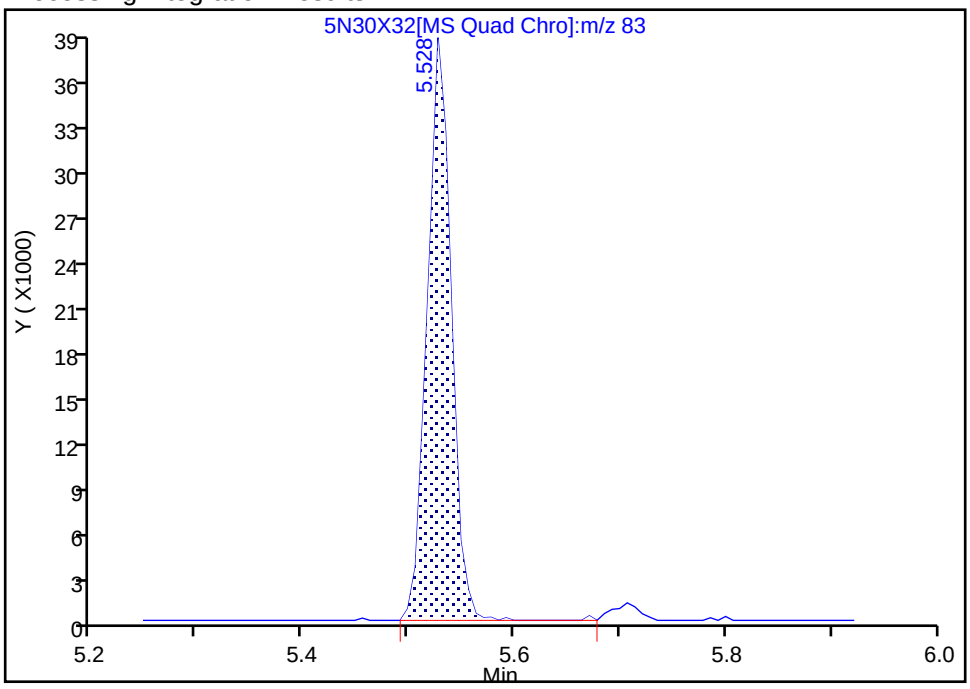
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

40 Chloroform, CAS: 67-66-3

Signal: 1

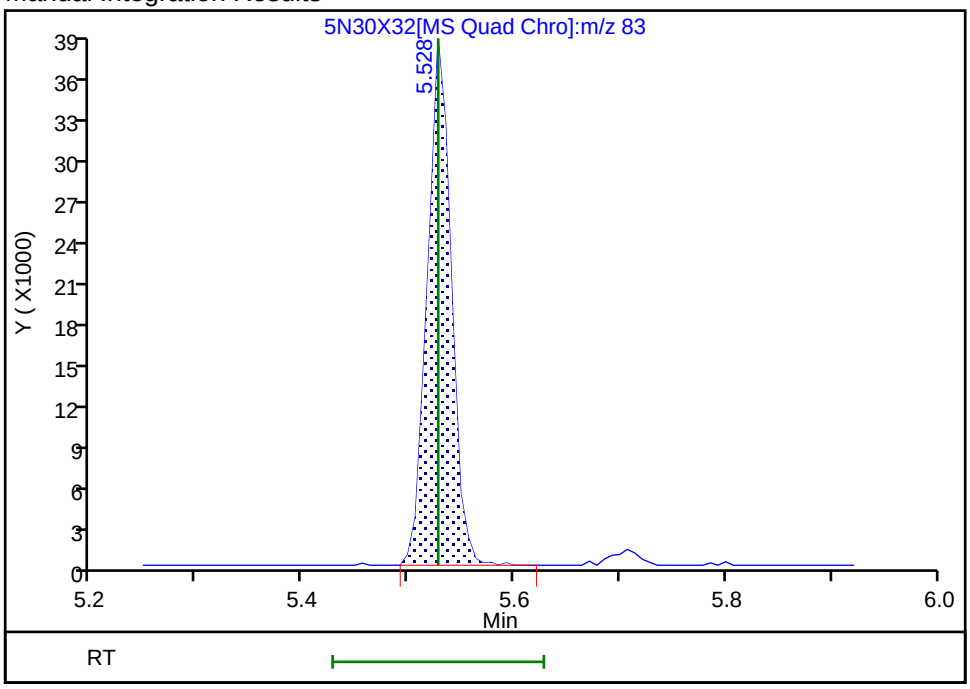
Processing Integration Results

RT: 5.53
Area: 60554
Amount: 0.495158
Amount Units: ppb v/v



Manual Integration Results

RT: 5.53
Area: 60425
Amount: 0.494234
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:54:42
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

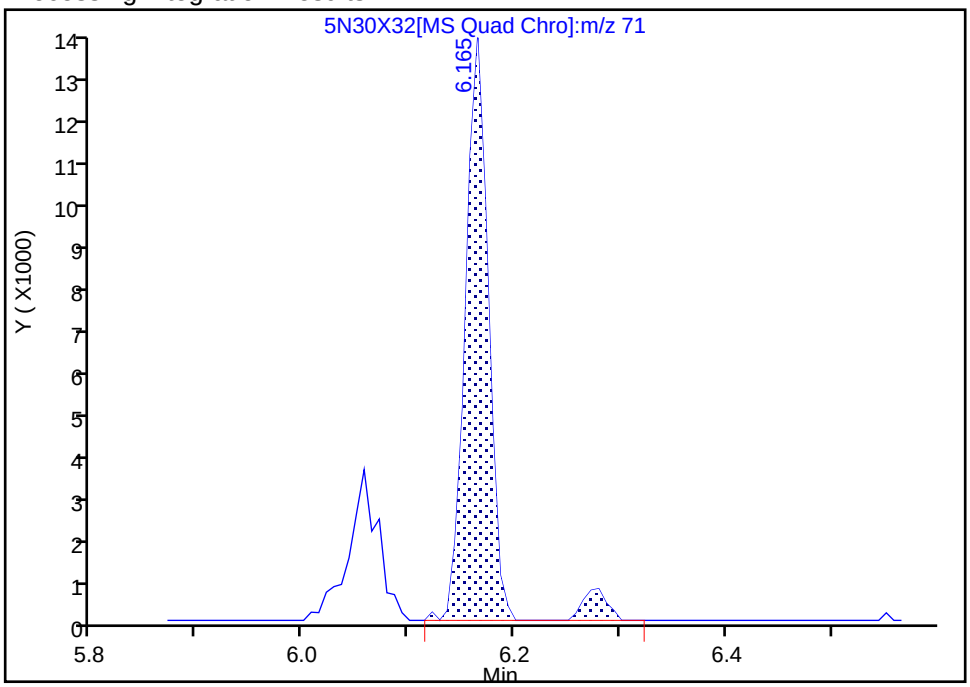
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

48 n-Heptane, CAS: 142-82-5

Signal: 1

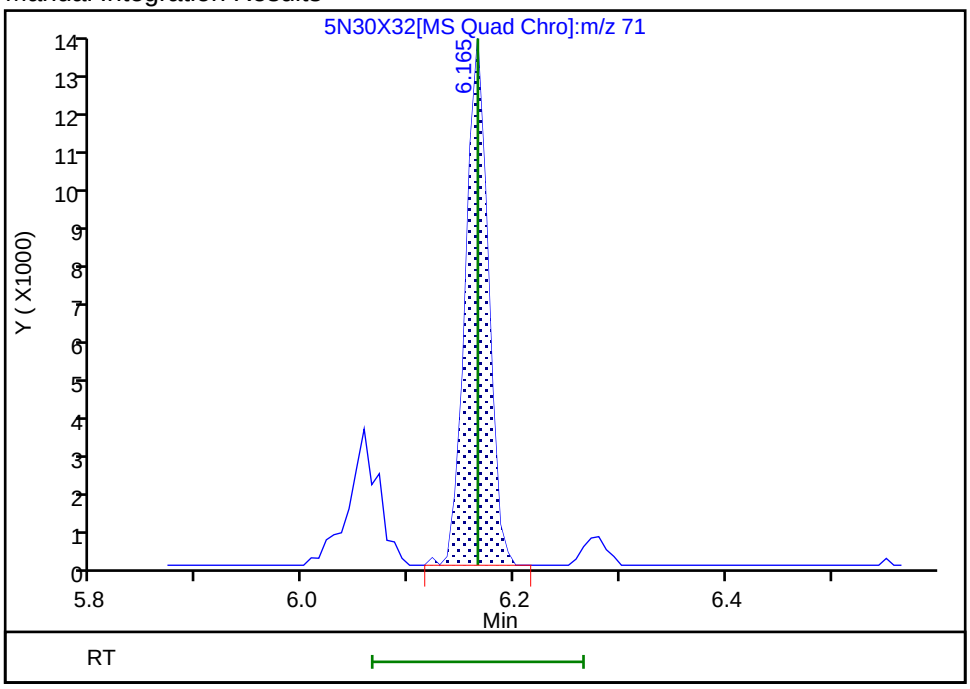
Processing Integration Results

RT: 6.17
Area: 21695
Amount: 0.422319
Amount Units: ppb v/v



Manual Integration Results

RT: 6.17
Area: 20522
Amount: 0.408327
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:54:54
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

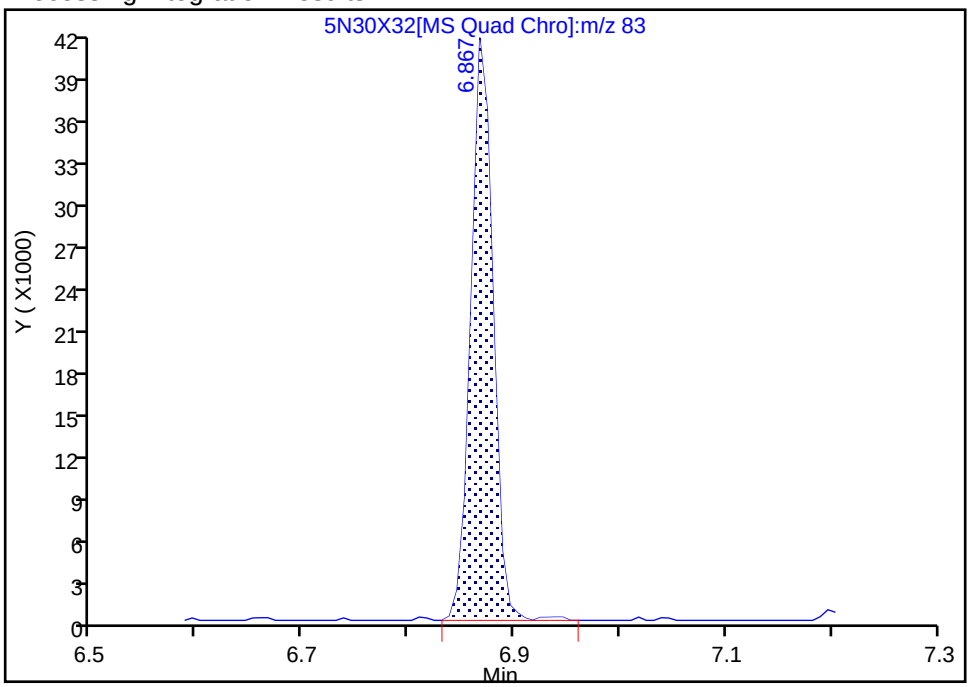
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

56 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

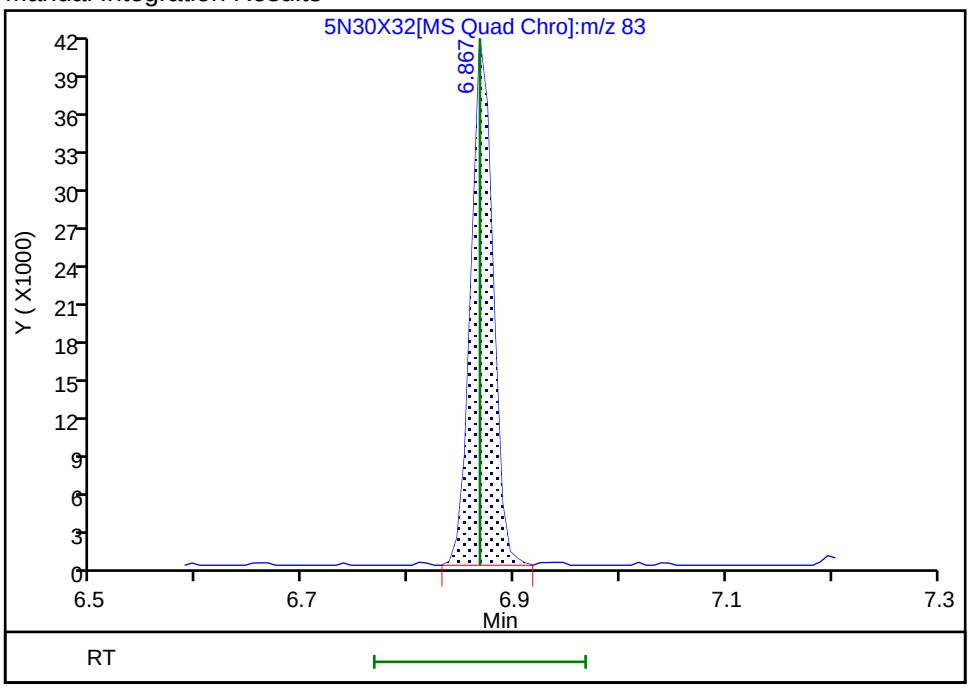
Processing Integration Results

RT: 6.87
Area: 59747
Amount: 0.484194
Amount Units: ppb v/v



Manual Integration Results

RT: 6.87
Area: 59378
Amount: 0.481564
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:55:08
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

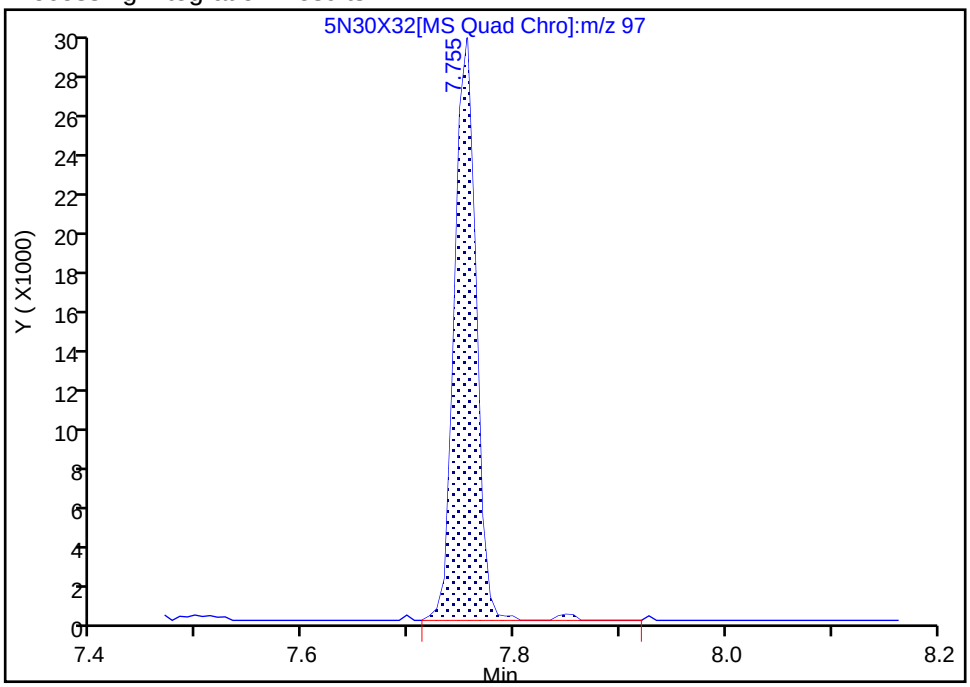
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

63 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

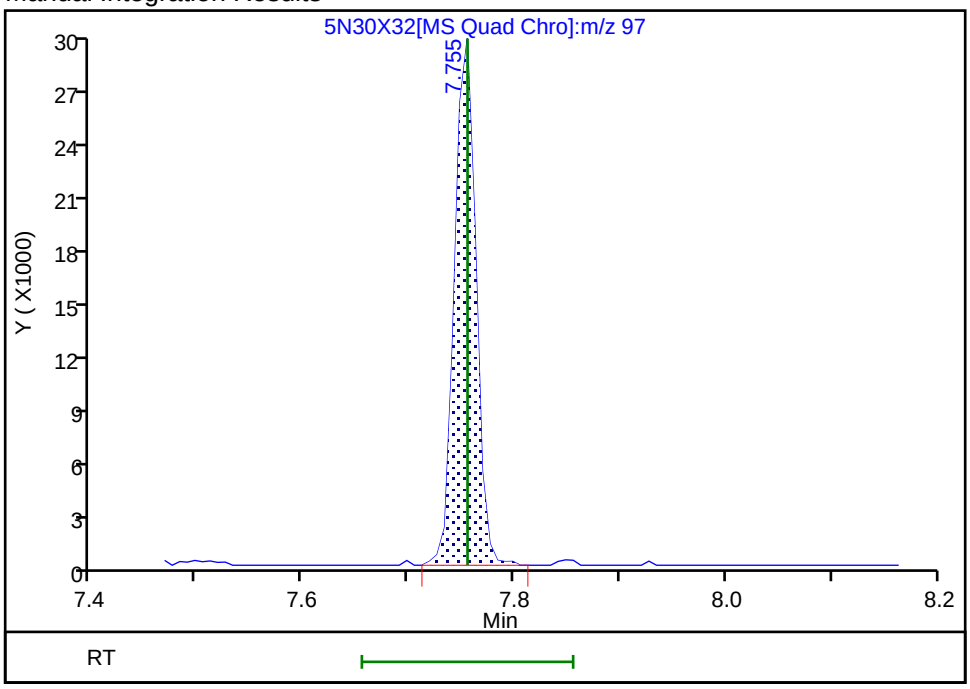
Processing Integration Results

RT: 7.76
Area: 41337
Amount: 0.519874
Amount Units: ppb v/v



Manual Integration Results

RT: 7.76
Area: 40998
Amount: 0.516161
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:55:30
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

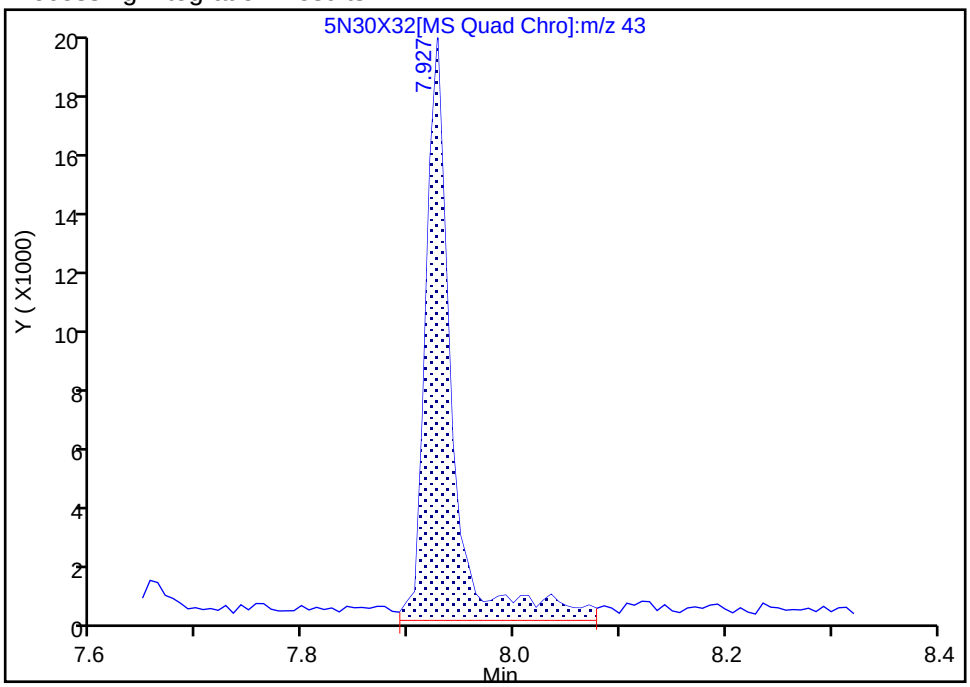
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

65 2-Hexanone, CAS: 591-78-6

Signal: 1

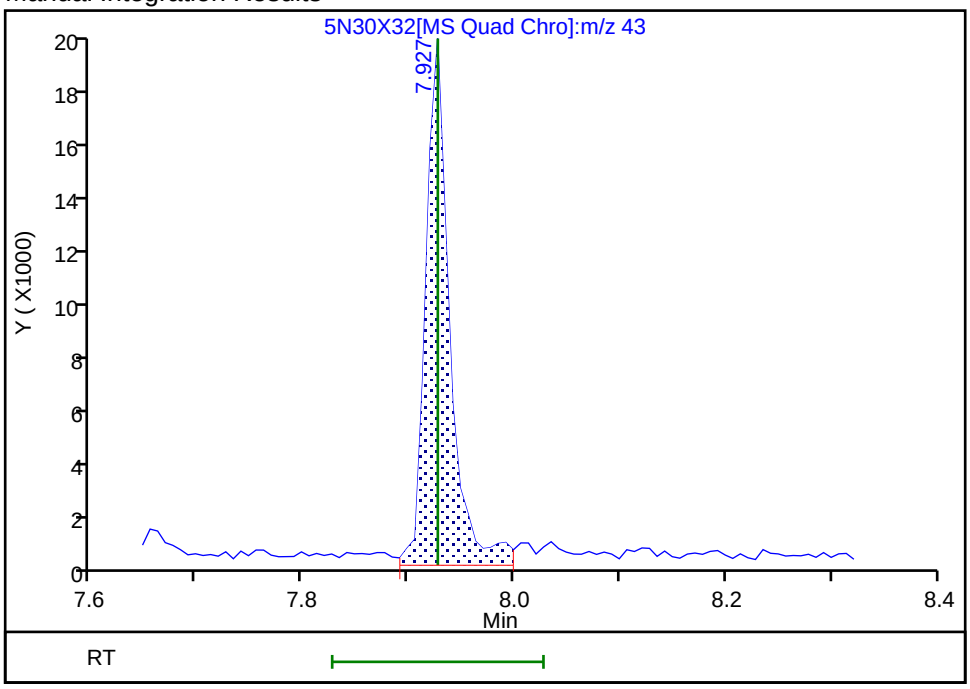
Processing Integration Results

RT: 7.93
Area: 33446
Amount: 0.497002
Amount Units: ppb v/v



Manual Integration Results

RT: 7.93
Area: 30631
Amount: 0.469903
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:55:40

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

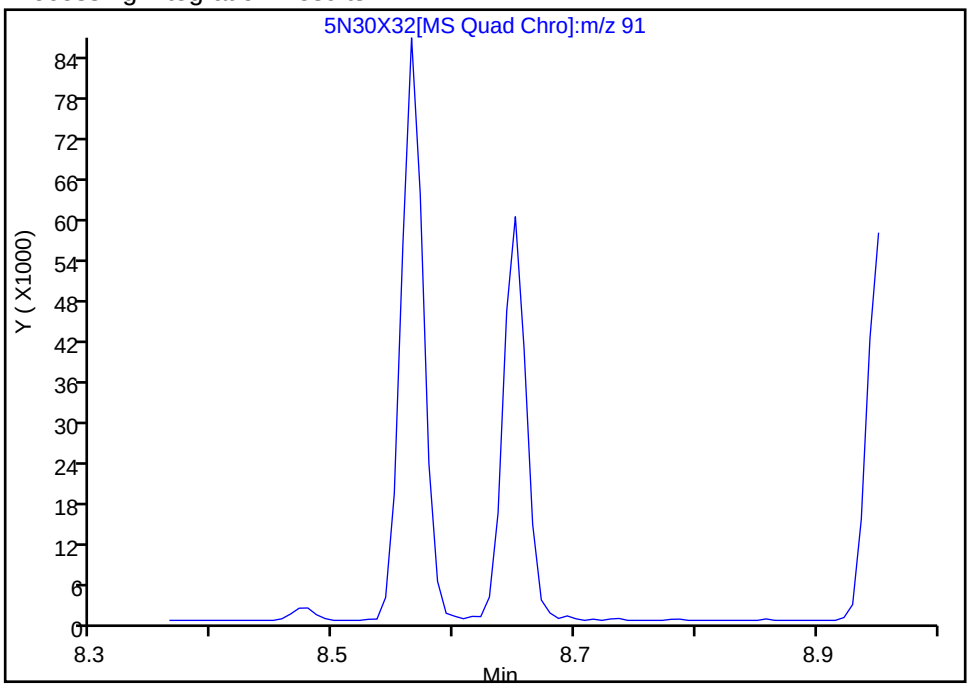
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

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

Signal: 1

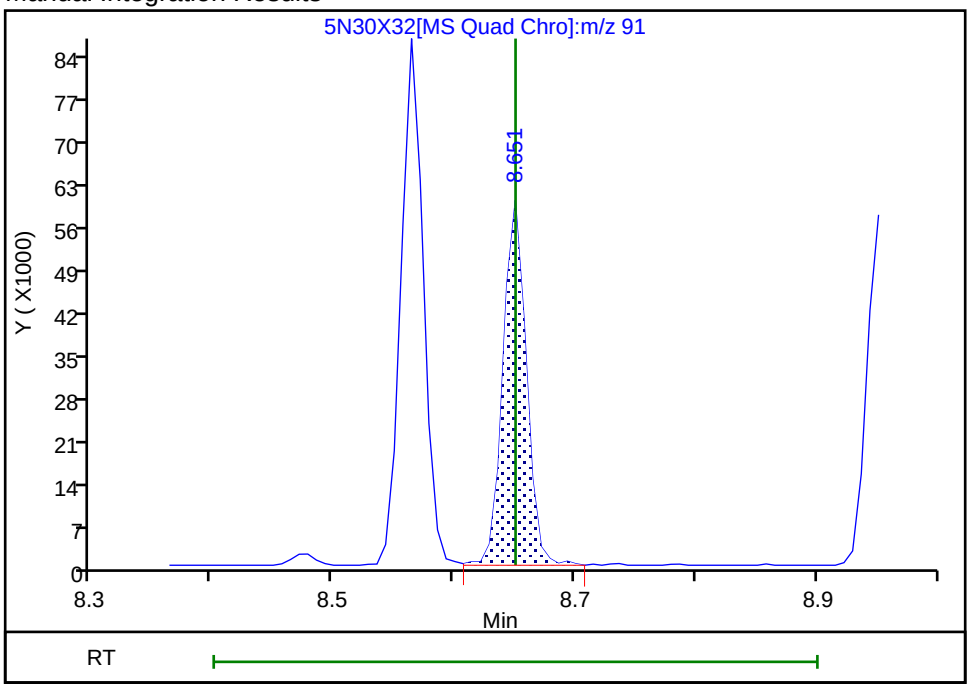
Not Detected
Expected RT: 8.65

Processing Integration Results



Manual Integration Results

RT: 8.65
Area: 80202
Amount: 0.429379
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:56:07
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

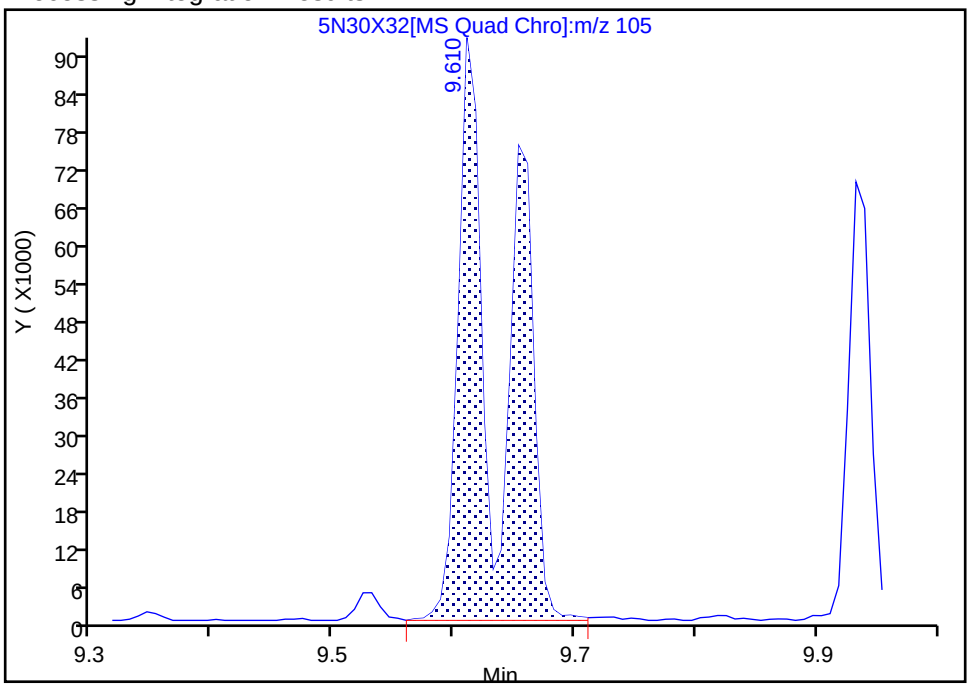
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

81 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

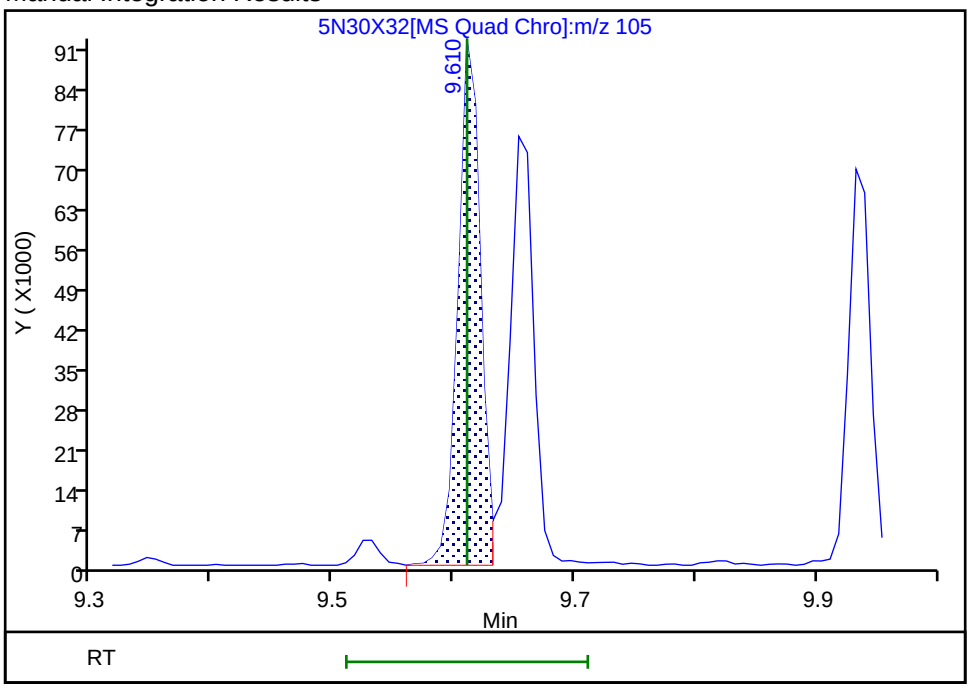
Processing Integration Results

RT: 9.61
Area: 222376
Amount: 0.677176
Amount Units: ppb v/v



Manual Integration Results

RT: 9.61
Area: 118232
Amount: 0.439510
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:56:26
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

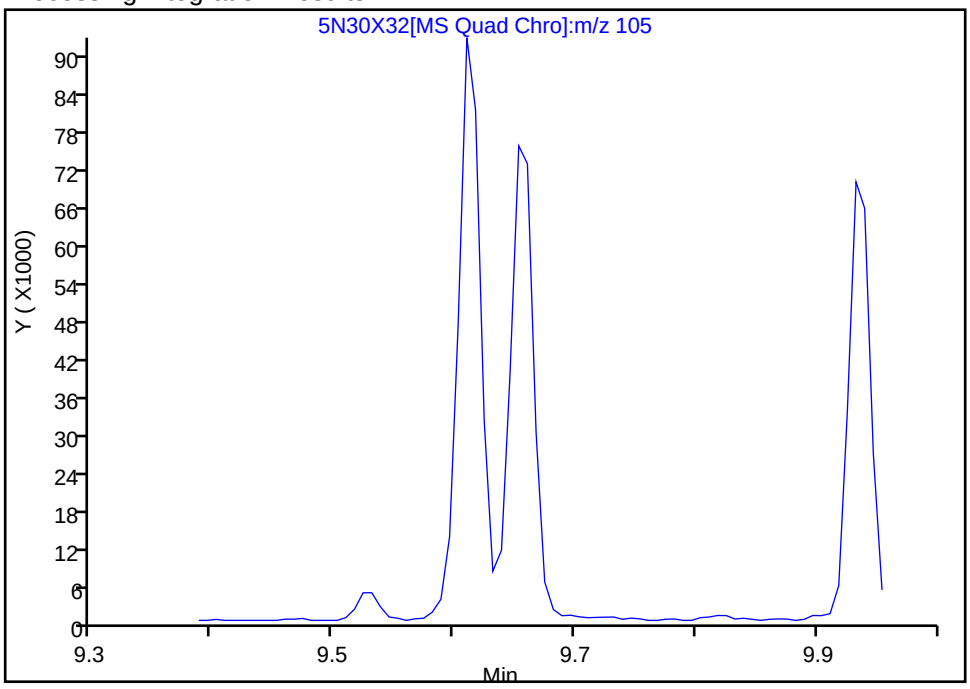
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

83 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

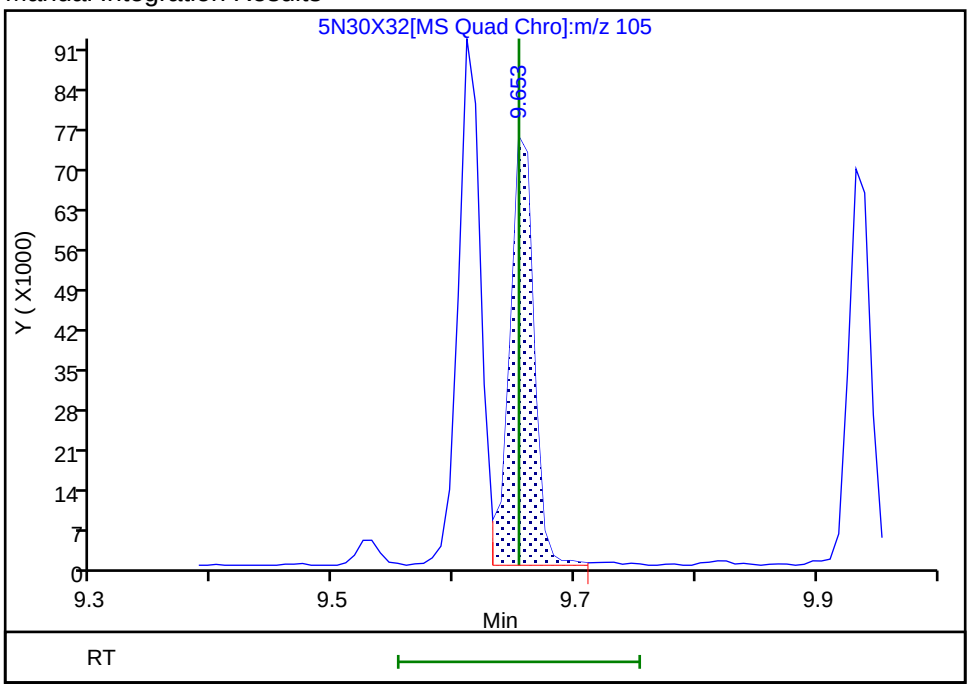
Not Detected
Expected RT: 9.65

Processing Integration Results



Manual Integration Results

RT: 9.65
Area: 104143
Amount: 0.450332
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:56:38
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

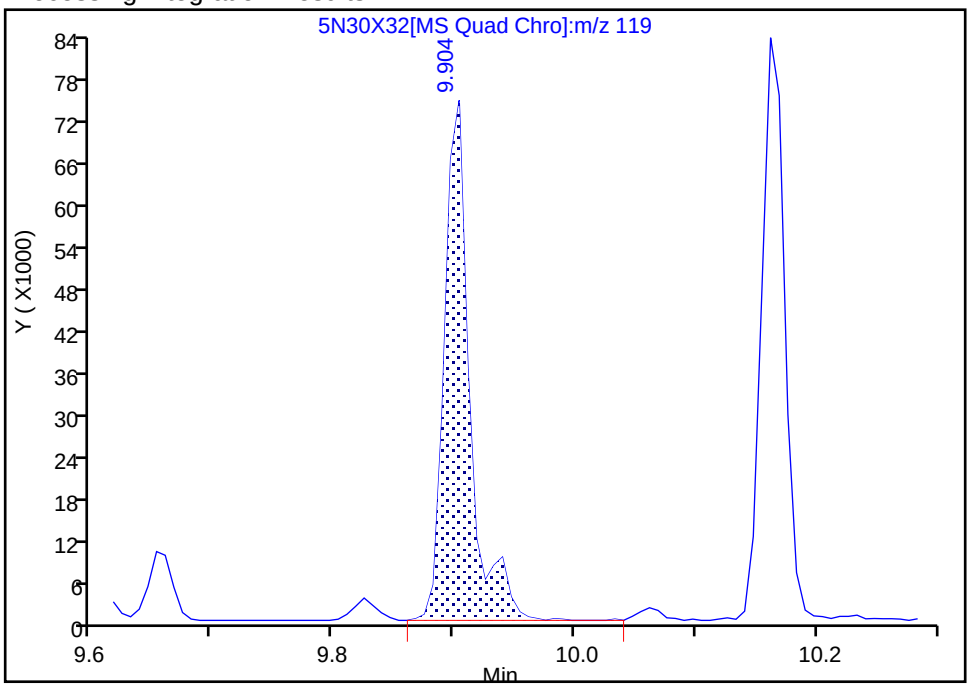
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X32.D				
Injection Date:	01-Dec-2021 02:06:54	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

85 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

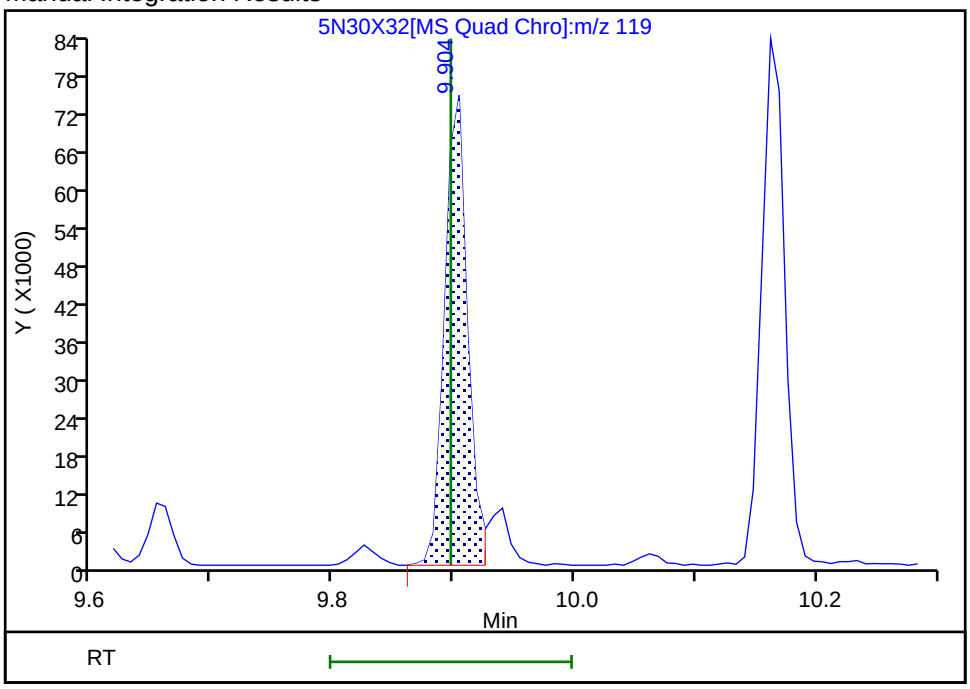
Processing Integration Results

RT: 9.90
Area: 108909
Amount: 0.460241
Amount Units: ppb v/v



Manual Integration Results

RT: 9.90
Area: 97840
Amount: 0.439893
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:56:45
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 01-Dec-2021 02:28:15 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 410-0045222-005
Operator ID: etp33087 Instrument ID: HP22820
Sublist: chrom-AirMS_TO15_HP22820*sub1

Method: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 02-Dec-2021 12:35:42 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: proctore Date: 01-Dec-2021 16:52:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	1.638	1.638	0.000	96	30475	1.00	0.9471	
2 Dichlorodifluoromethane	85	1.674	1.667	0.007	99	155665	1.00	1.04	
3 Chlorodifluoromethane	51	1.688	1.695	-0.007	97	72106	1.00	1.03	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.803	1.803	0.000	94	169417	1.00	1.07	
5 Chloromethane	50	1.874	1.860	0.014	43	41575	1.00	1.20	M
6 Vinyl chloride	62	1.996	1.996	0.000	94	49208	1.00	1.00	
7 Butadiene	54	2.032	2.032	0.000	89	32475	1.00	0.9488	
8 Bromomethane	94	2.376	2.376	0.000	91	50397	1.00	0.9690	
9 Chloroethane	64	2.490	2.491	-0.001	99	35729	1.00	1.11	
10 Vinyl bromide	106	2.713	2.713	0.000	98	51833	1.00	0.9718	
11 Dichlorofluoromethane	67	2.748	2.748	0.000	96	112383	1.00	1.01	
12 Trichlorofluoromethane	101	2.791	2.791	0.000	98	177132	1.00	1.08	
13 Pentane	43	2.899	2.892	0.007	93	61739	1.00	0.9601	
14 Ethanol	45	3.107	3.121	-0.015	94	13250	1.00	1.02	M
15 Acrolein	56	3.357	3.364	-0.007	98	13579	1.00	0.9317	M
16 1,1-Dichloroethene	61	3.443	3.443	0.000	93	70054	1.00	0.9538	
17 112TCTFE	103	3.465	3.472	-0.007	91	95125	1.00	1.09	
18 Acetone	43	3.551	3.558	-0.007	100	56944	1.00	0.9382	
19 Iodomethane	142	3.615	3.615	0.000	98	164207	1.00	1.03	
20 Carbon disulfide	76	3.672	3.672	0.000	99	149424	1.00	1.00	
21 Isopropyl alcohol	45	3.737	3.744	-0.007	95	40444	1.00	0.7986	
23 Acetonitrile	41	3.880	3.887	-0.007	80	72831	1.00	0.9358	Ma
22 3-Chloro-1-propene	41	3.880	3.887	-0.007	95	72831	1.00	0.9358	M
24 Methylene Chloride	84	4.023	4.023	0.000	84	53182	1.00	1.03	
25 2-Methyl-2-propanol	59	4.174	4.174	0.000	94	60305	1.00	0.8611	
26 trans-1,2-Dichloroethene	61	4.296	4.296	0.000	93	68115	1.00	1.00	
27 Methyl tert-butyl ether	73	4.303	4.303	0.000	96	111576	1.00	0.9300	
28 Acrylonitrile	53	4.303	4.310	-0.007	48	35415	1.00	0.9897	
29 Hexane	56	4.561	4.561	0.000	89	34728	1.00	1.00	
30 1,1-Dichloroethane	63	4.718	4.718	0.000	96	97859	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Vinyl acetate	43	4.783	4.783	0.000	96	143990	1.00	0.9296	
31 Isopropyl ether	45	4.783	4.783	0.000	65	119871	1.00	0.9755	
33 Tert-butyl ethyl ether	59	5.112	5.112	0.000	95	105311	1.00	0.9123	
34 cis-1,2-Dichloroethene	61	5.248	5.248	0.000	74	64670	1.00	1.00	
35 2-Butanone (MEK)	43	5.277	5.284	-0.007	21	59113	1.00	0.8944	Ma
36 Ethyl acetate	43	5.327	5.327	0.000	96	95745	1.00	1.02	
37 Methyl acrylate	55	5.356	5.356	0.000	99	66599	1.00	0.9497	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	83	280229	10.0	10.0	
39 Tetrahydrofuran	42	5.499	5.499	0.000	84	42307	1.00	0.99	
40 Chloroform	83	5.528	5.528	0.000	92	135034	1.00	1.07	
41 1,1,1-Trichloroethane	97	5.671	5.671	0.000	96	128195	1.00	1.03	
42 Cyclohexane	56	5.700	5.707	-0.007	87	61290	1.00	0.9500	
43 Carbon tetrachloride	117	5.800	5.800	0.000	96	137353	1.00	1.04	
44 Benzene	78	5.972	5.972	0.000	93	185950	1.00	1.05	
45 1,2-Dichloroethane	62	6.000	6.000	0.000	98	80293	1.00	1.09	
46 Isooctane	57	6.022	6.022	0.000	94	179732	1.00	0.9596	
47 Tert-amyl methyl ether	73	6.058	6.065	-0.007	94	107397	1.00	0.9379	
48 n-Heptane	71	6.165	6.165	0.000	81	49522	1.00	0.9555	
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	93	1230062	10.0	10.0	
50 Trichloroethene	130	6.480	6.480	0.000	97	96612	1.00	1.05	
51 Ethyl acrylate	55	6.559	6.559	0.000	99	72093	1.00	0.8847	
52 1,2-Dichloropropane	63	6.659	6.659	0.000	93	61723	1.00	1.06	
53 Methyl methacrylate	69	6.738	6.738	0.000	90	43248	1.00	0.9143	
54 Dibromomethane	174	6.760	6.753	0.007	92	94808	1.00	1.05	
55 1,4-Dioxane	88	6.767	6.767	0.000	88	32615	1.00	0.9274	
56 Dichlorobromomethane	83	6.867	6.867	0.000	98	134519	1.00	1.06	
57 cis-1,3-Dichloropropene	75	7.204	7.204	0.000	97	85000	1.00	0.9678	
58 4-Methyl-2-pentanone (MIBK)	43	7.311	7.311	0.000	94	69308	1.00	0.8814	
59 Toluene	91	7.447	7.447	0.000	99	233285	1.00	1.09	
60 n-Octane	43	7.497	7.498	-0.001	74	96412	1.00	1.00	M
61 trans-1,3-Dichloropropene	75	7.612	7.612	0.000	89	75327	1.00	0.9573	M
62 Ethyl methacrylate	69	7.655	7.655	0.000	85	65564	1.00	0.8628	M
63 1,1,2-Trichloroethane	97	7.755	7.755	0.000	91	87763	1.00	1.08	
64 Tetrachloroethene	166	7.848	7.849	-0.001	98	148183	1.00	1.10	
65 2-Hexanone	43	7.927	7.927	0.000	92	54382	1.00	0.8134	
66 Chlorodibromomethane	127	8.049	8.049	0.000	89	115987	1.00	1.03	
67 Ethylene Dibromide	107	8.142	8.142	0.000	99	131025	1.00	1.04	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	82	1346510	10.0	10.0	
69 Chlorobenzene	112	8.500	8.500	0.000	97	211162	1.00	1.09	
70 1,1,1,2-Tetrachloroethane	131	8.550	8.558	-0.008	94	113951	1.00	1.05	
71 Ethylbenzene	91	8.565	8.565	0.000	98	261554	1.00	1.04	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	98	195145	1.00	1.02	Ma
73 o-Xylene	91	8.952	8.952	0.000	96	176583	1.00	0.9603	
74 Styrene	104	8.959	8.959	0.000	95	135748	1.00	0.9194	
75 Bromoform	173	9.123	9.116	0.007	98	154942	1.00	1.01	
76 Isopropylbenzene	105	9.224	9.224	0.000	95	251049	1.00	0.9599	
77 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	95	179120	1.00	1.05	M
78 Bromobenzene	156	9.474	9.475	-0.001	88	126897	1.00	1.04	
79 1,2,3-Trichloropropane	110	9.496	9.496	0.000	81	58450	1.00	1.02	
80 N-Propylbenzene	120	9.532	9.532	0.000	98	81617	1.00	0.9345	
82 2-Chlorotoluene	126	9.611	9.611	0.000	96	83083	1.00	0.99	
81 4-Ethyltoluene	105	9.611	9.611	0.000	97	277764	1.00	1.01	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 1,3,5-Trimethylbenzene	105	9.654	9.654	0.000	95	239665	1.00	1.01	Ma
84 Alpha Methyl Styrene	118	9.833	9.818	0.015	89	91951	1.00	0.8518	
85 tert-Butylbenzene	119	9.904	9.897	0.007	92	220780	1.00	0.9678	M
86 1,2,4-Trimethylbenzene	105	9.940	9.933	0.007	96	212561	1.00	0.9765	
87 sec-Butylbenzene	105	10.062	10.062	0.000	94	313715	1.00	0.9855	
89 4-Isopropyltoluene	119	10.169	10.162	0.007	97	259026	1.00	0.9428	
88 1,3-Dichlorobenzene	146	10.169	10.162	0.007	87	206823	1.00	1.03	
90 1,4-Dichlorobenzene	146	10.234	10.234	0.000	96	204098	1.00	1.01	
91 Benzyl chloride	126	10.334	10.334	0.000	97	29932	1.00	0.7486	M
92 n-Butylbenzene	92	10.477	10.477	0.000	97	112669	1.00	0.8379	
93 1,2-Dichlorobenzene	146	10.520	10.520	0.000	99	189921	1.00	1.01	
94 Hexachloroethane	117	10.706	10.707	-0.001	90	103280	1.00	0.9494	
95 1,2-Dibromo-3-Chloropropane	157	11.115	11.115	0.000	90	79691	1.00	0.8130	
96 1,2,4-Trichlorobenzene	180	11.738	11.745	-0.007	94	96723	1.00	0.7459	
97 Hexachlorobutadiene	225	11.860	11.860	0.000	98	110275	1.00	0.8797	
98 Naphthalene	128	11.946	11.946	0.000	96	127546	1.00	0.6024	
S 101 1,2-Dichloroethene, Total	61				0	132785	2.00	2.01	
S 102 1,3-Dichloropropene, Total	75				0	160327	2.00	1.92	
S 104 Xylenes, Total	91				0	371728	2.00	1.98	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRCAL10.0_00149	Amount Added: 20.00	Units: mL	
AIRIS200 ppb_00080	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 02-Dec-2021 12:35:43 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D

Injection Date: 01-Dec-2021 02:28:15 Instrument ID: HP22820

Lims ID: IC

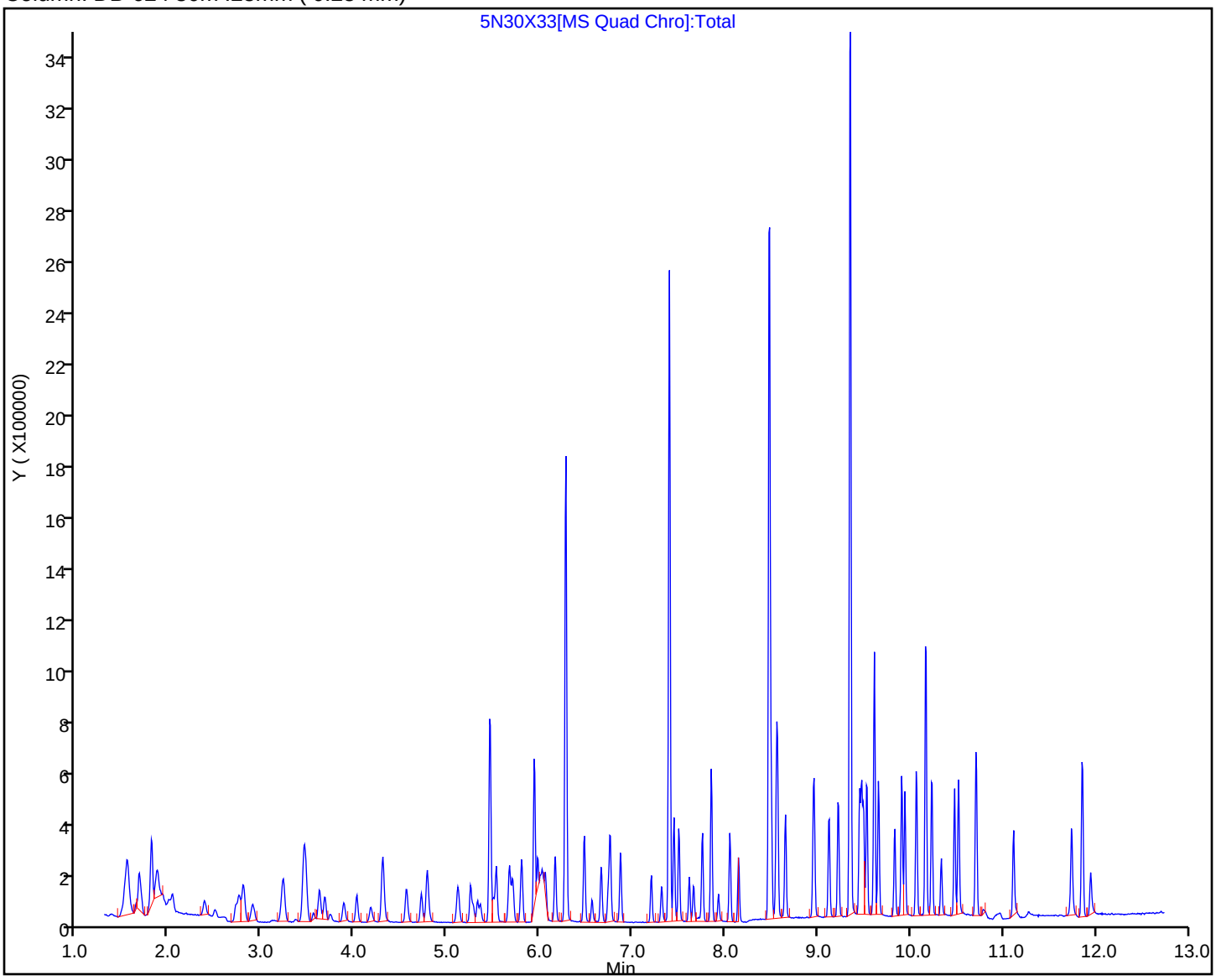
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 5

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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

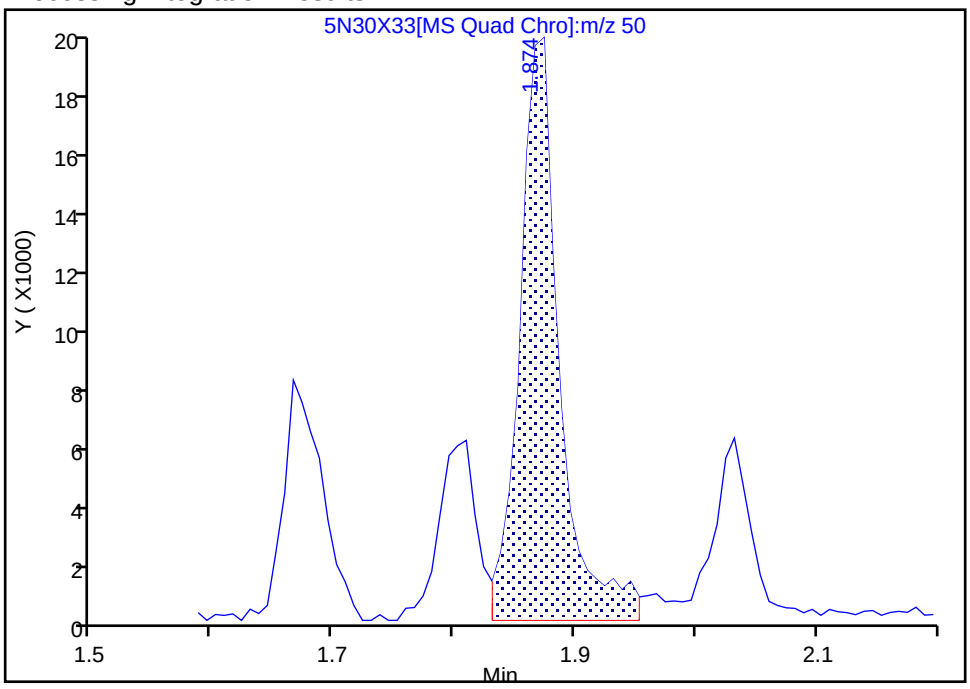
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

Signal: 1

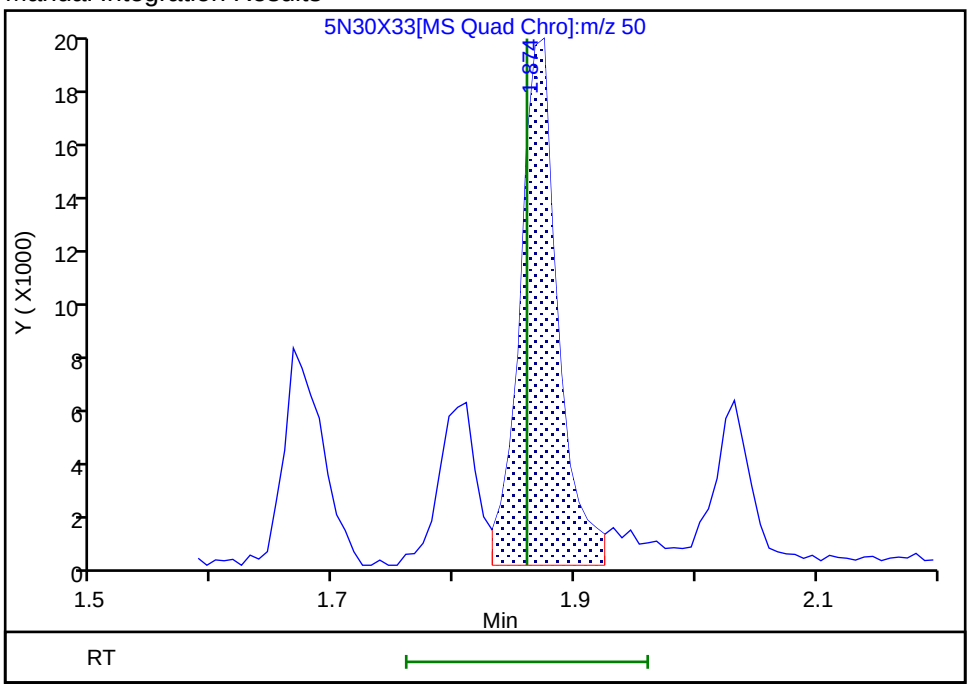
Processing Integration Results

RT: 1.87
Area: 43550
Amount: 1.111305
Amount Units: ppb v/v



Manual Integration Results

RT: 1.87
Area: 41575
Amount: 1.195900
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:18:21
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

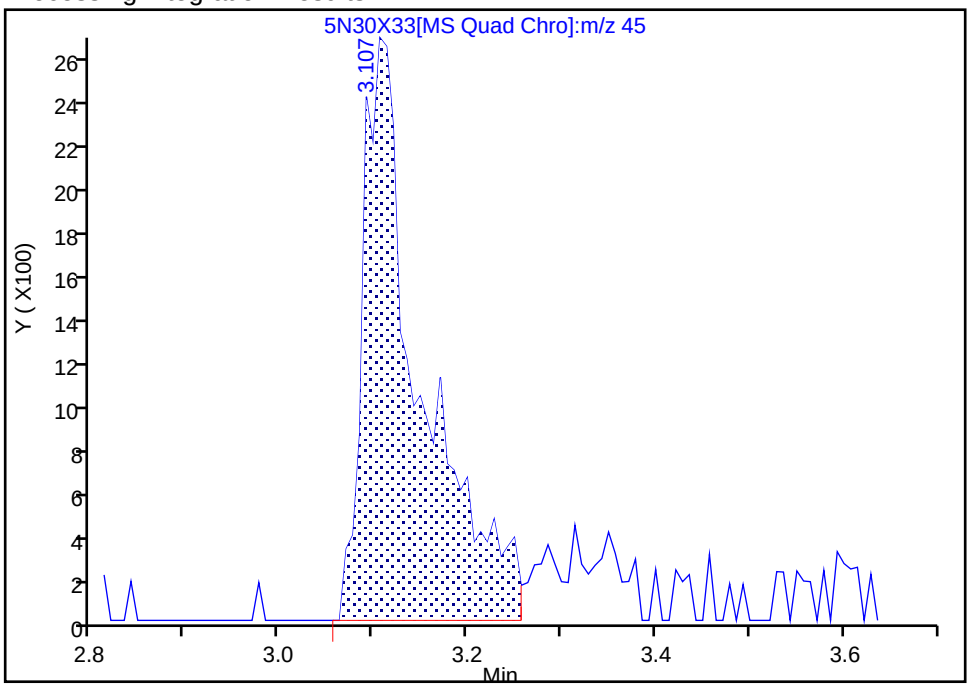
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

14 Ethanol, CAS: 64-17-5

Signal: 1

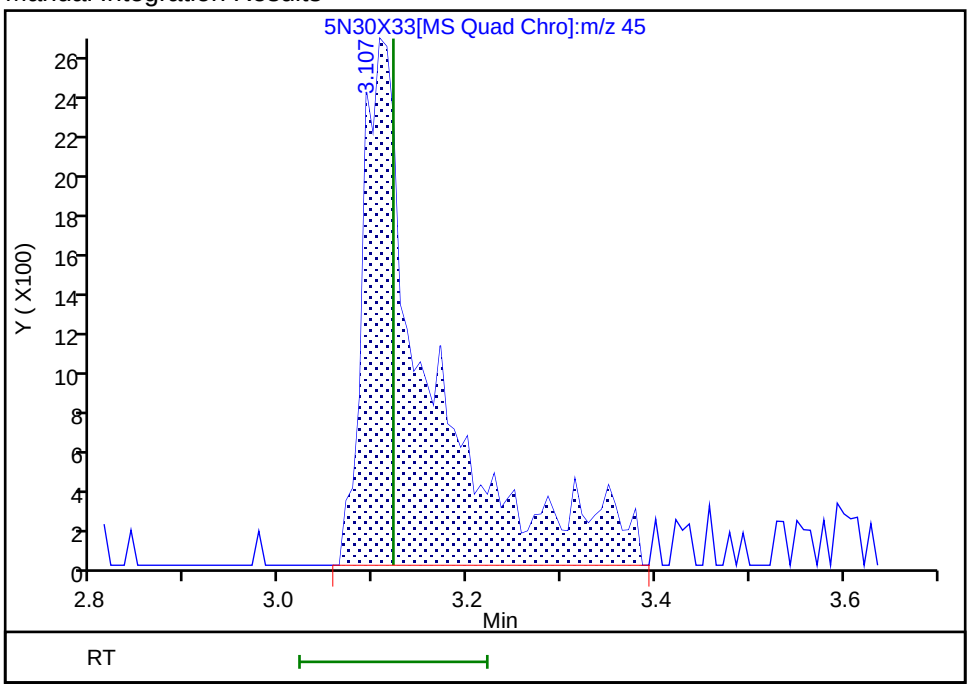
Processing Integration Results

RT: 3.11
Area: 11315
Amount: 0.810628
Amount Units: ppb v/v



Manual Integration Results

RT: 3.11
Area: 13250
Amount: 1.024598
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:46:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

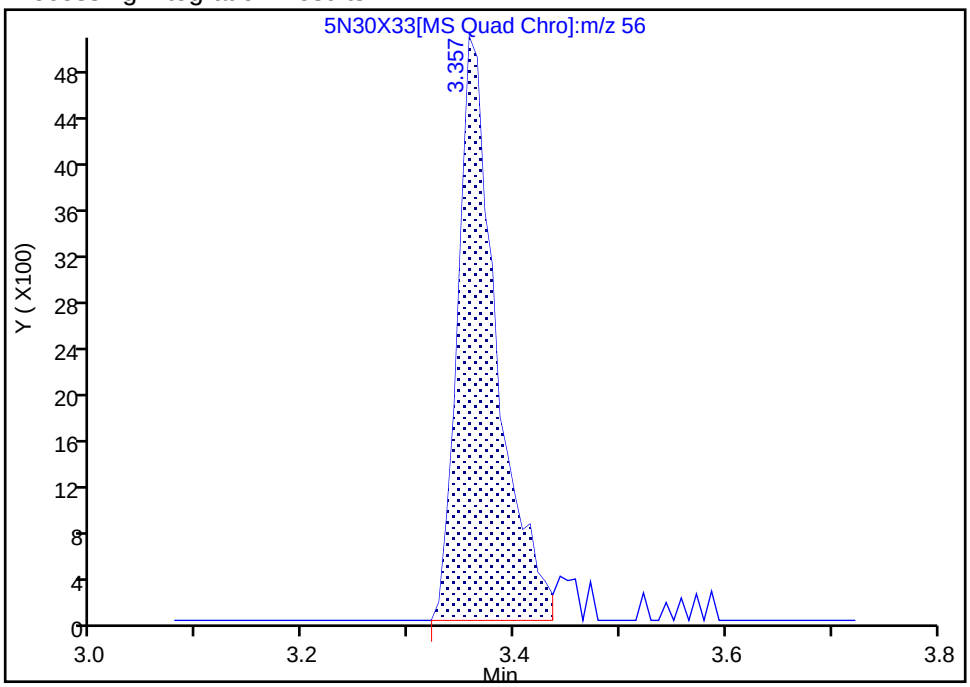
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

15 Acrolein, CAS: 107-02-8

Signal: 1

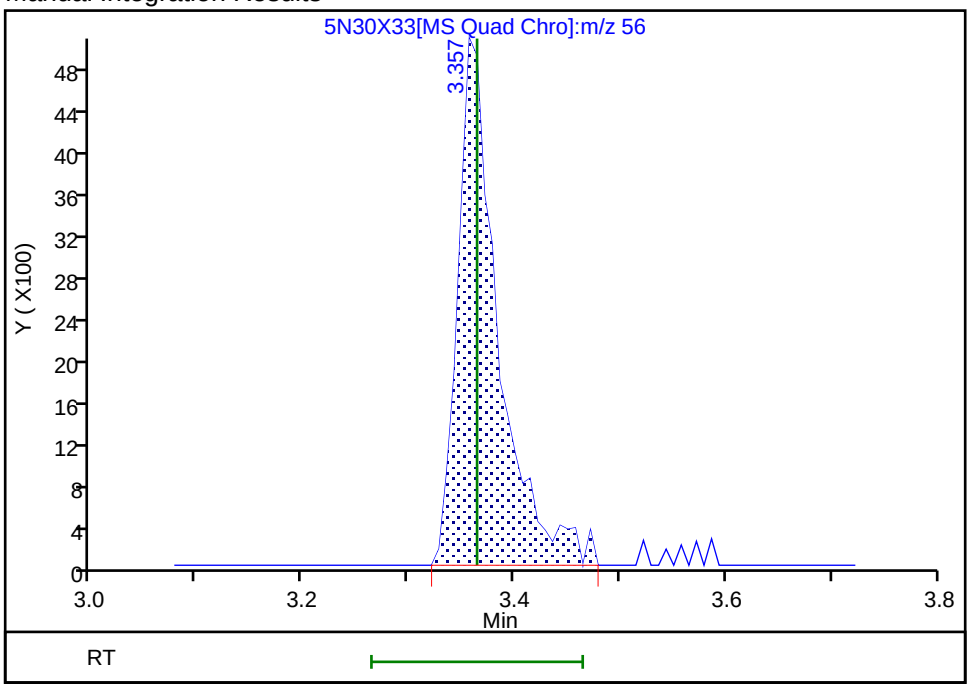
Processing Integration Results

RT: 3.36
Area: 12915
Amount: 0.891242
Amount Units: ppb v/v



Manual Integration Results

RT: 3.36
Area: 13579
Amount: 0.931727
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:46:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

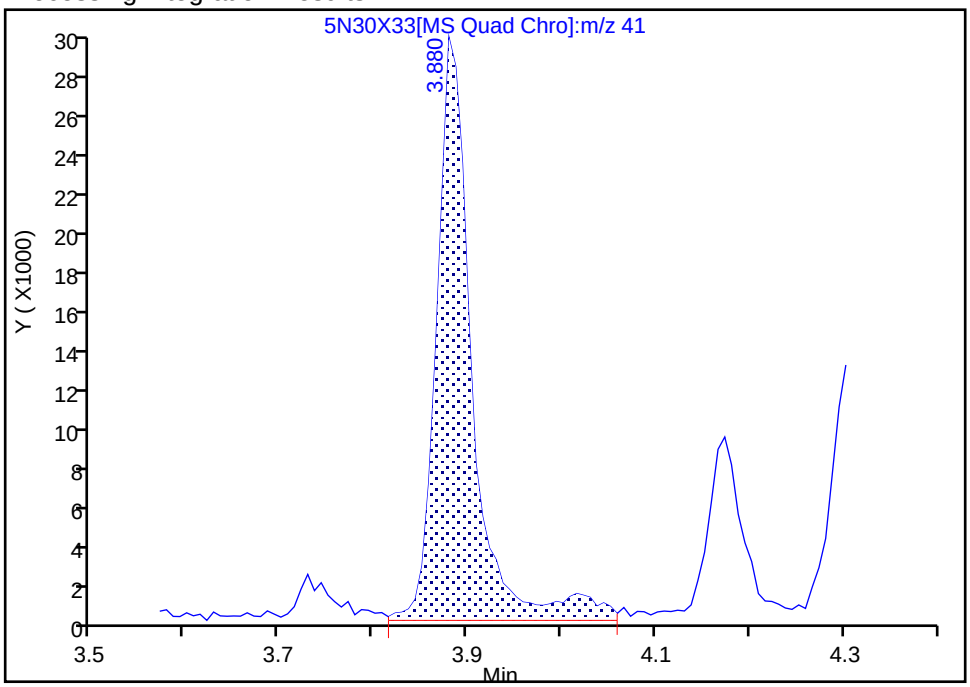
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

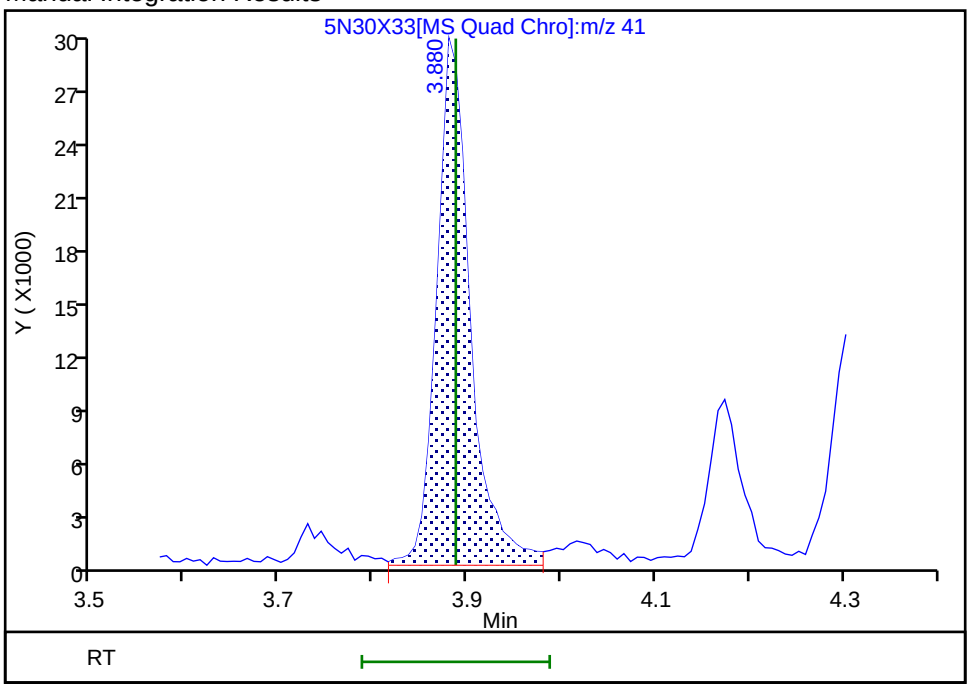
Processing Integration Results

RT: 3.88
Area: 77305
Amount: 0.977331
Amount Units: ppb v/v



Manual Integration Results

RT: 3.88
Area: 72831
Amount: 0.935844
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:47:17

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

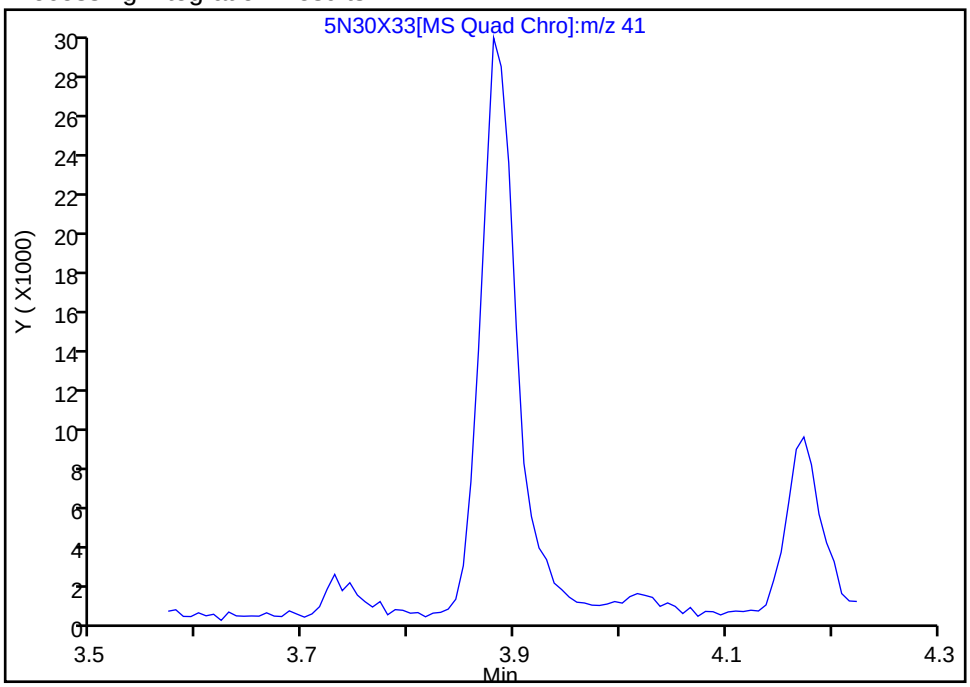
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

23 Acetonitrile, CAS: 75-05-8

Signal: 1

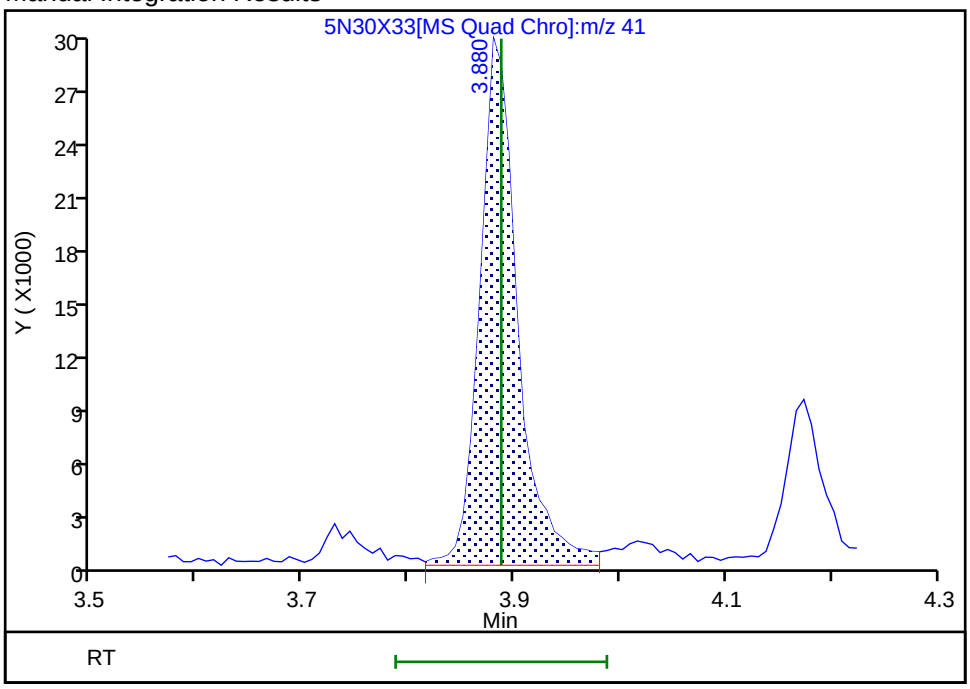
Not Detected
Expected RT: 3.89

Processing Integration Results



Manual Integration Results

RT: 3.88
Area: 72831
Amount: 0.935844
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:47:11
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

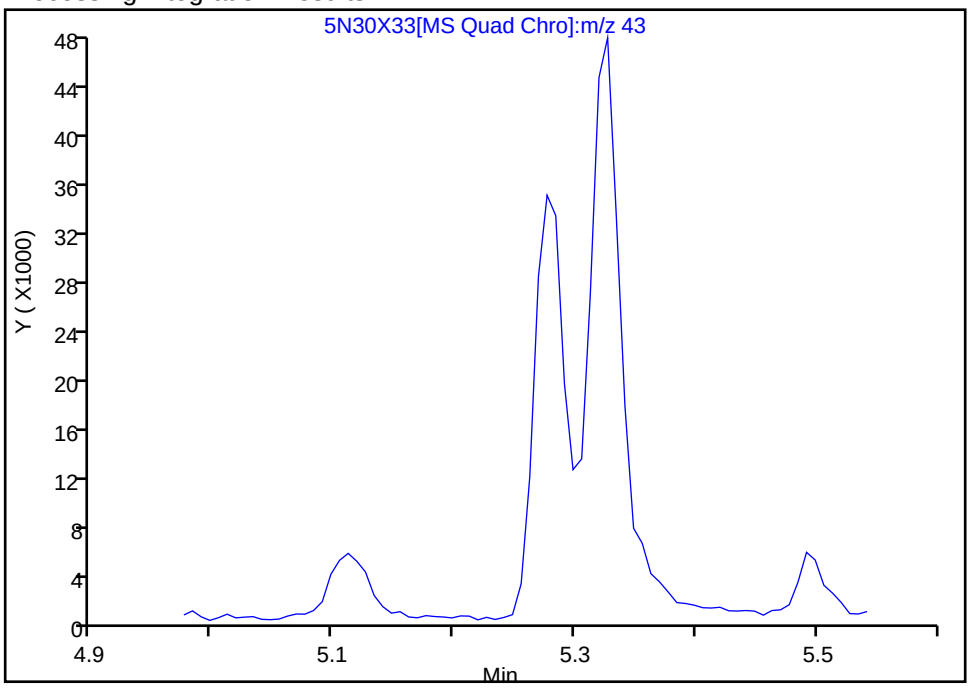
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

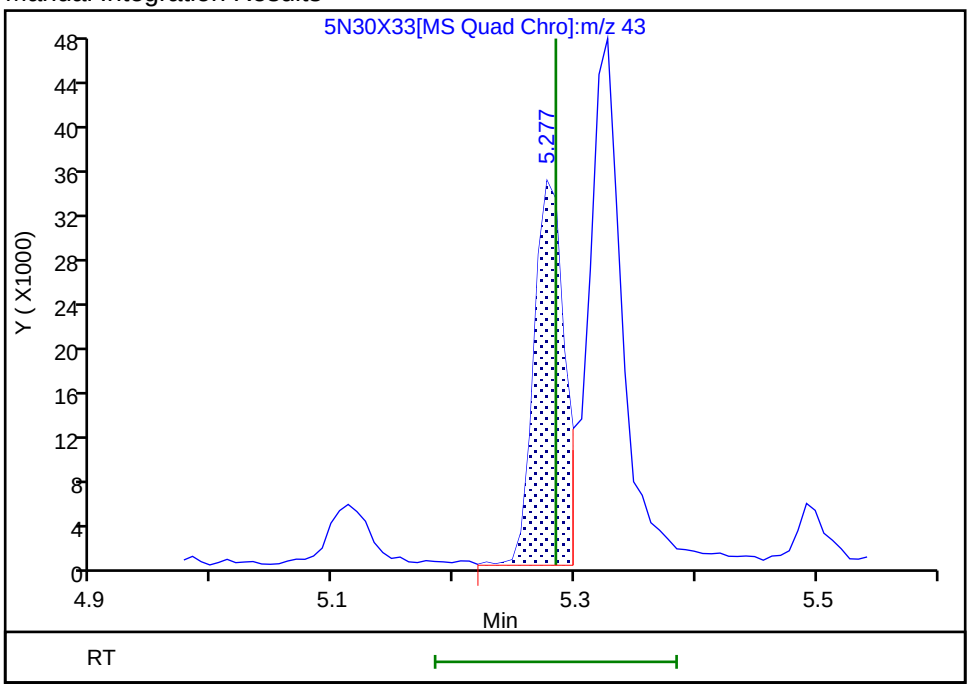
Not Detected
Expected RT: 5.28

Processing Integration Results



Manual Integration Results

RT: 5.28
Area: 59113
Amount: 0.894355
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:47:38
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

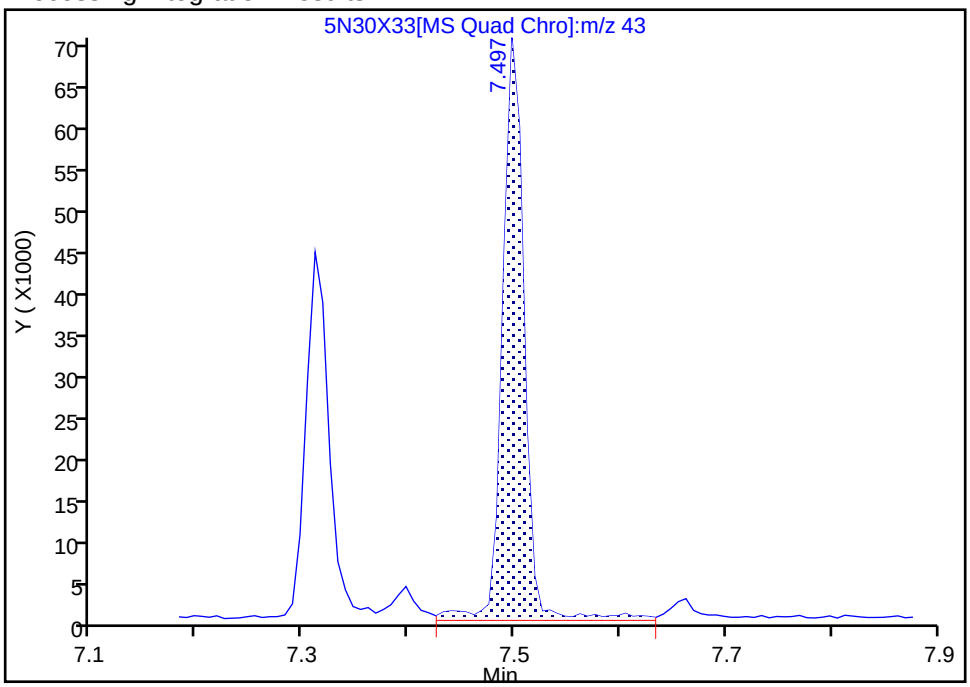
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

60 n-Octane, CAS: 111-65-9

Signal: 1

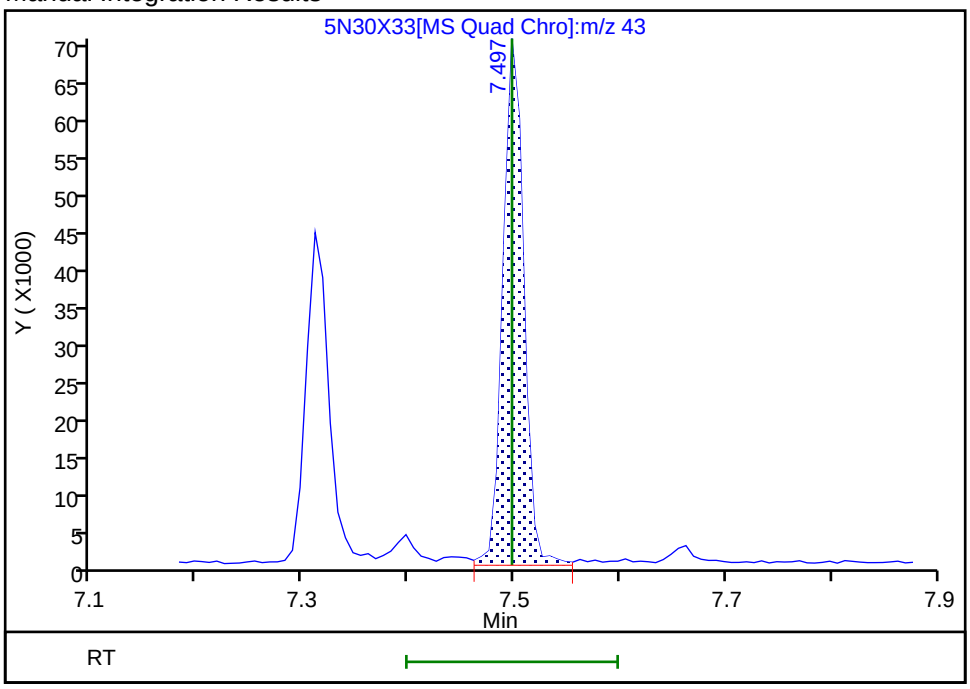
Processing Integration Results

RT: 7.50
Area: 101116
Amount: 1.046061
Amount Units: ppb v/v



Manual Integration Results

RT: 7.50
Area: 96412
Amount: 1.003502
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:48:46
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

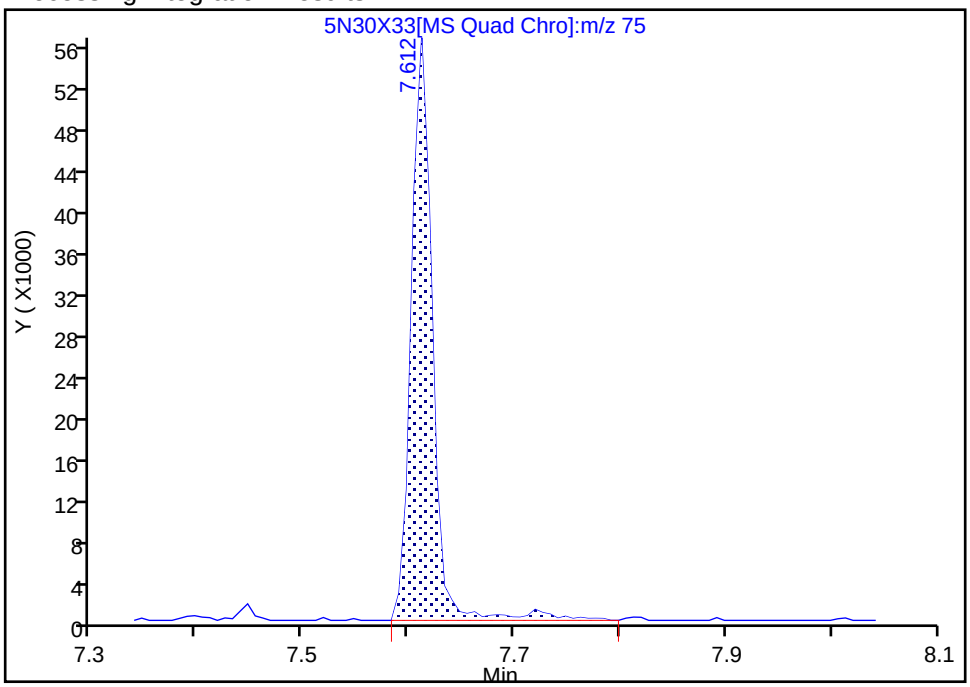
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

61 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

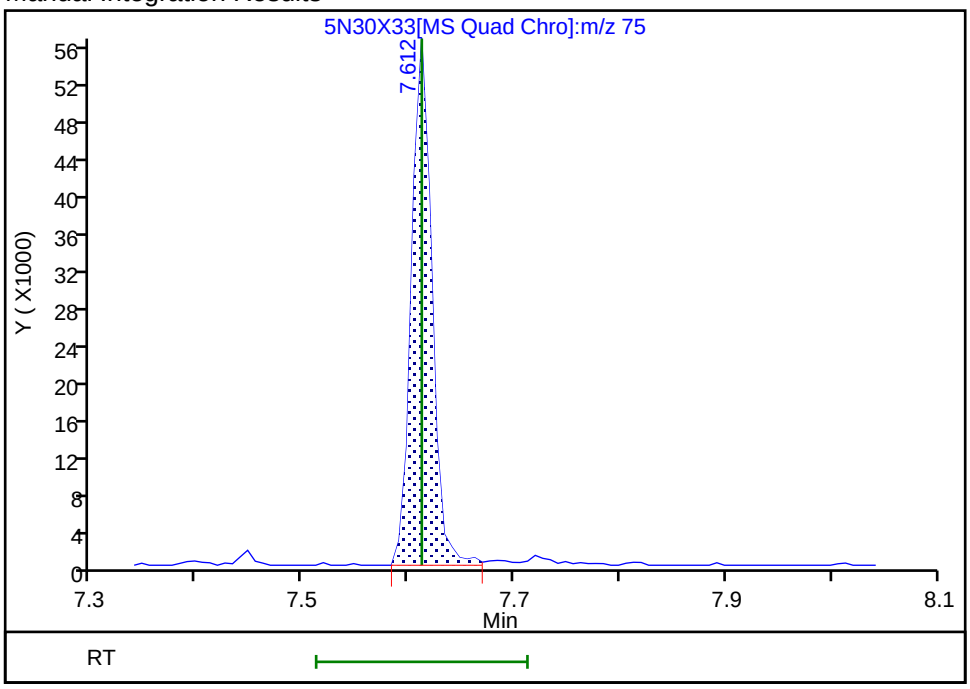
Processing Integration Results

RT: 7.61
Area: 78184
Amount: 0.982532
Amount Units: ppb v/v



Manual Integration Results

RT: 7.61
Area: 75327
Amount: 0.957343
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:48:59
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

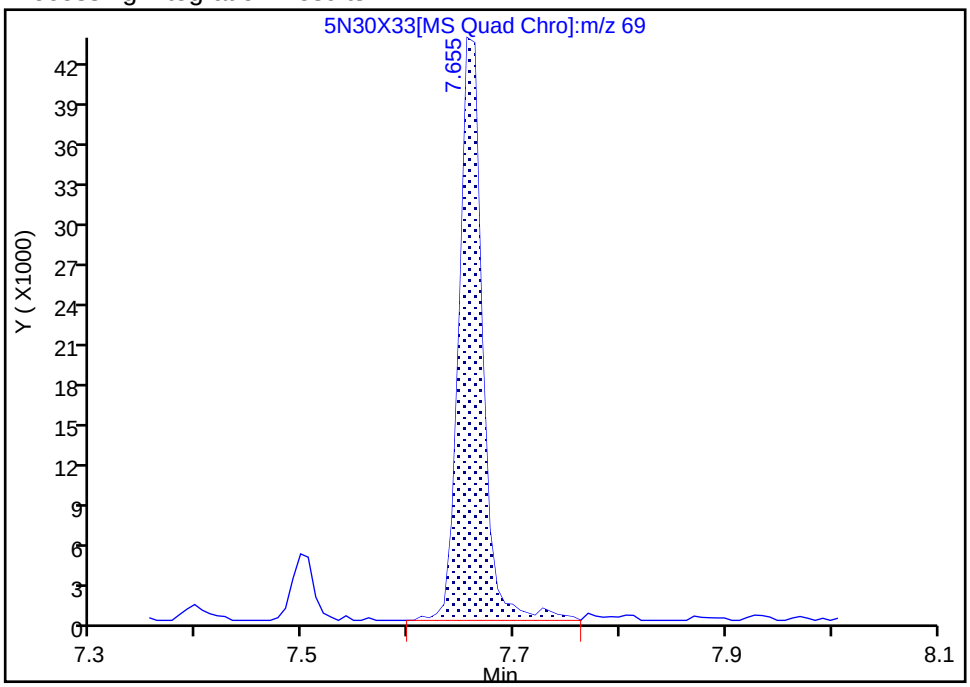
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

62 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

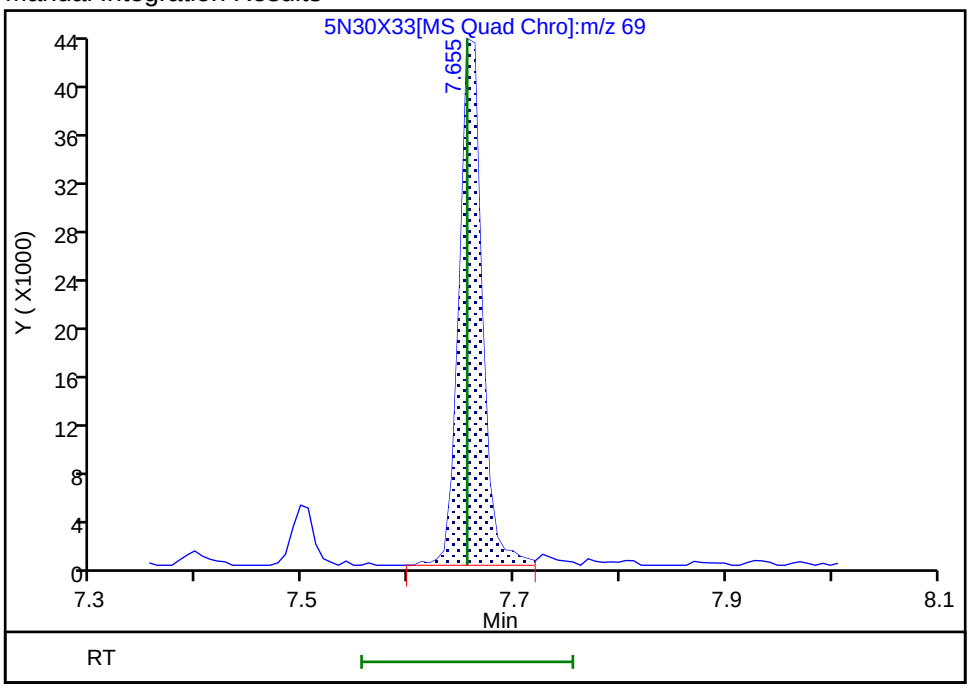
Processing Integration Results

RT: 7.66
Area: 66751
Amount: 0.876587
Amount Units: ppb v/v



Manual Integration Results

RT: 7.66
Area: 65564
Amount: 0.862772
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:49:07

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

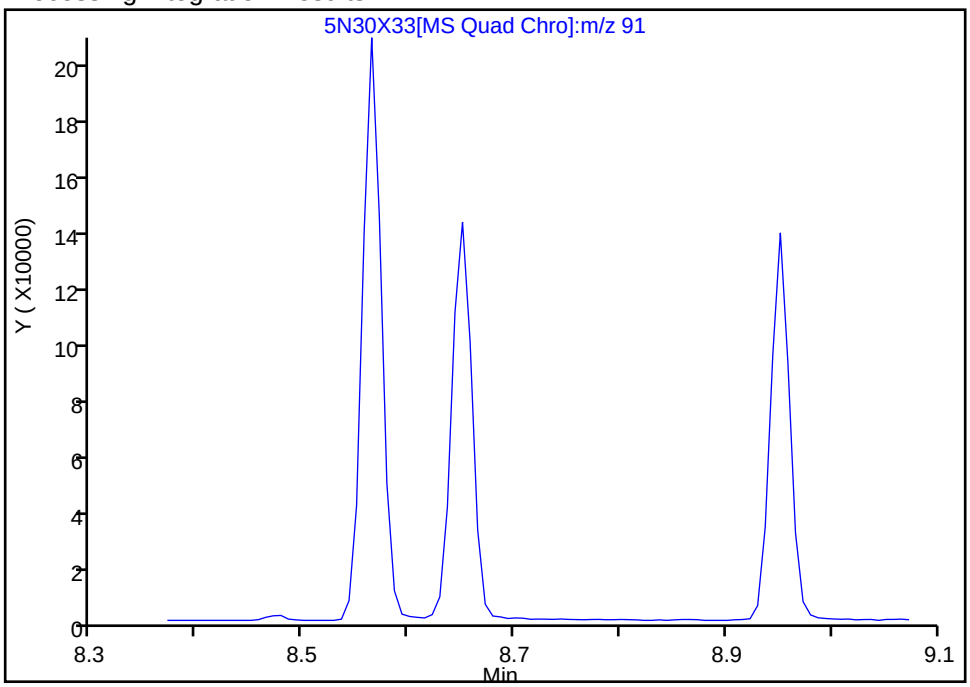
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

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

Signal: 1

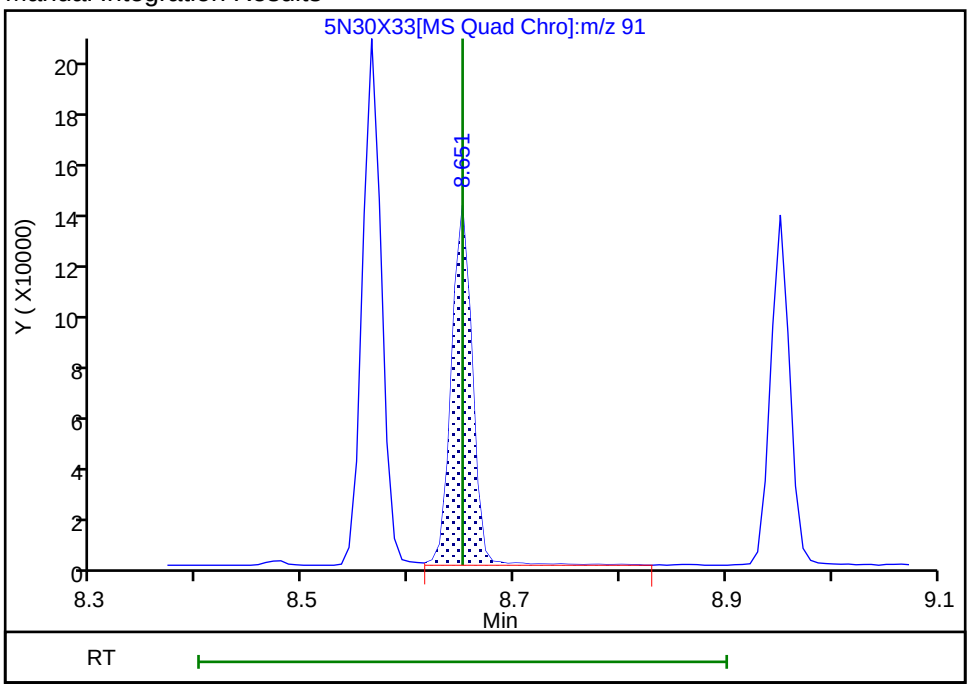
Not Detected
Expected RT: 8.65

Processing Integration Results



Manual Integration Results

RT: 8.65
Area: 195145
Amount: 1.018599
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:50:00
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

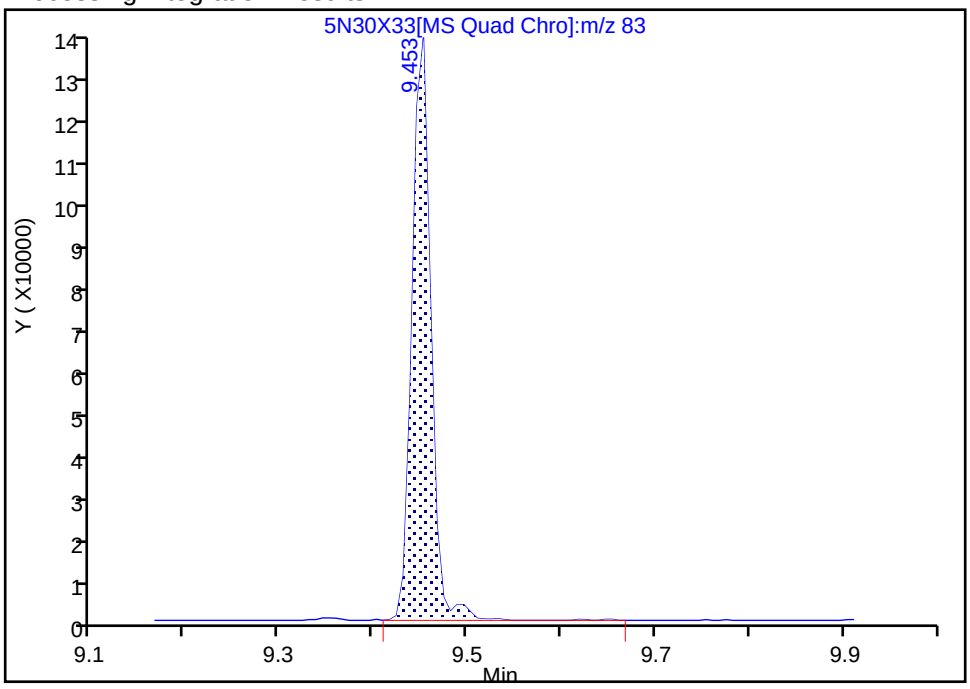
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

77 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

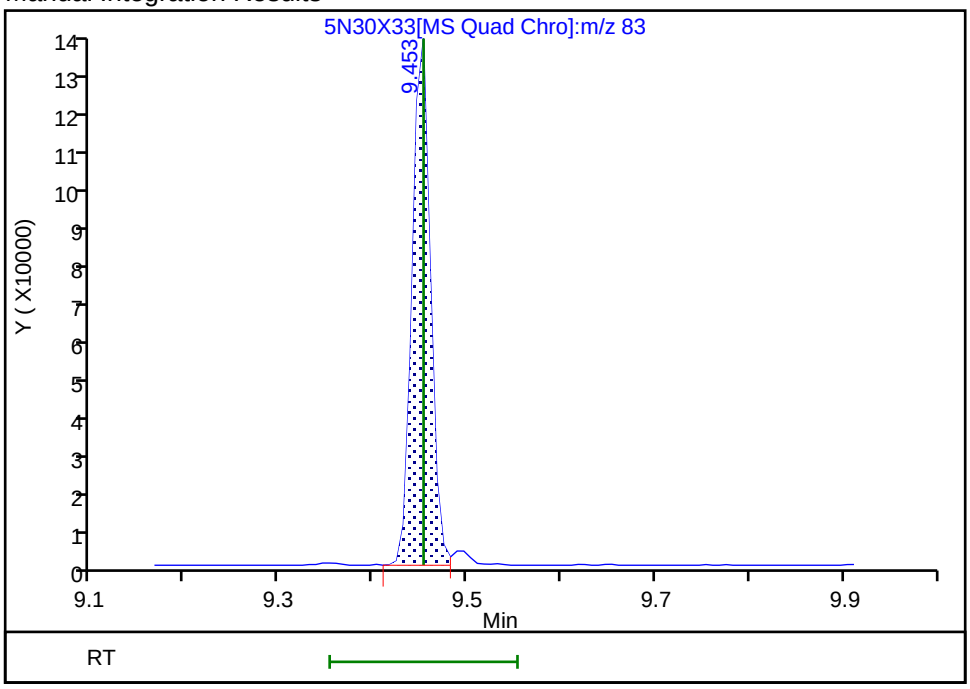
Processing Integration Results

RT: 9.45
Area: 184532
Amount: 1.075001
Amount Units: ppb v/v



Manual Integration Results

RT: 9.45
Area: 179120
Amount: 1.050538
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:50:52

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

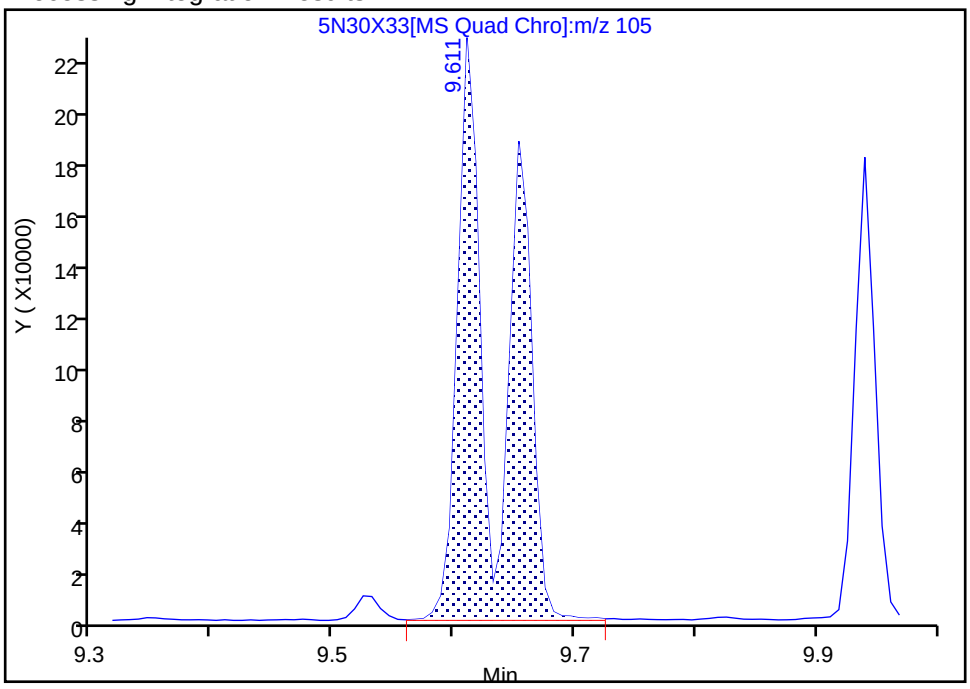
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

81 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

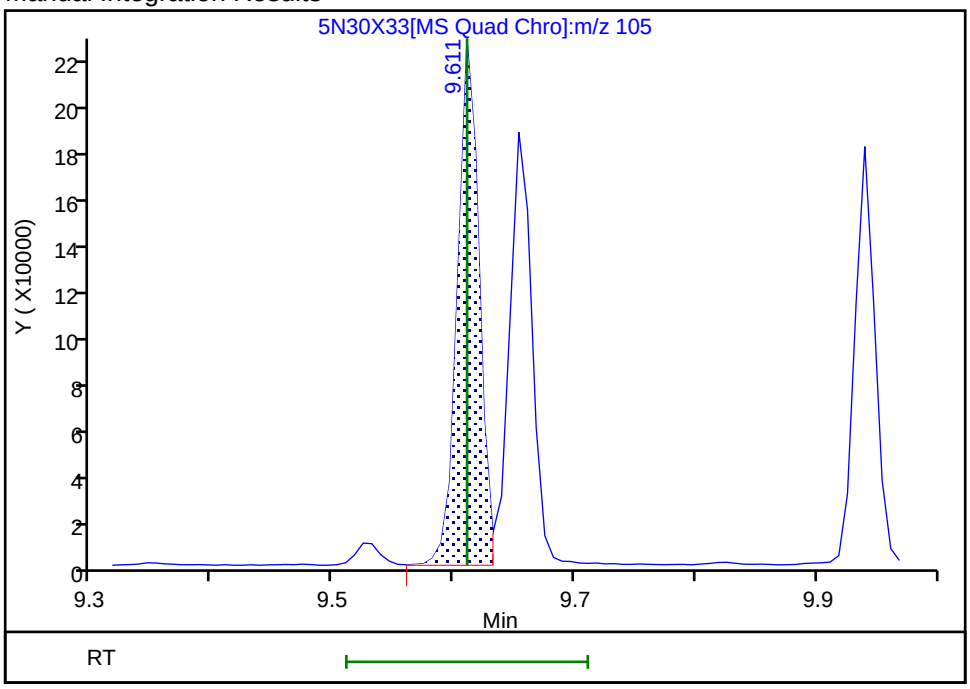
Processing Integration Results

RT: 9.61
Area: 517429
Amount: 1.410747
Amount Units: ppb v/v



Manual Integration Results

RT: 9.61
Area: 277764
Amount: 1.006699
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:51:04
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

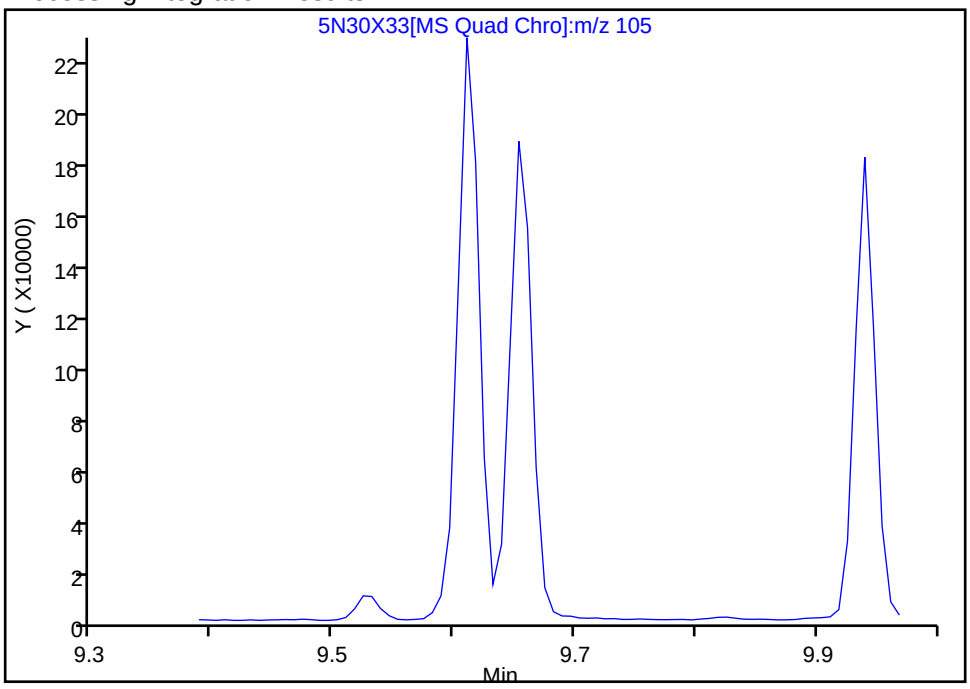
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

83 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

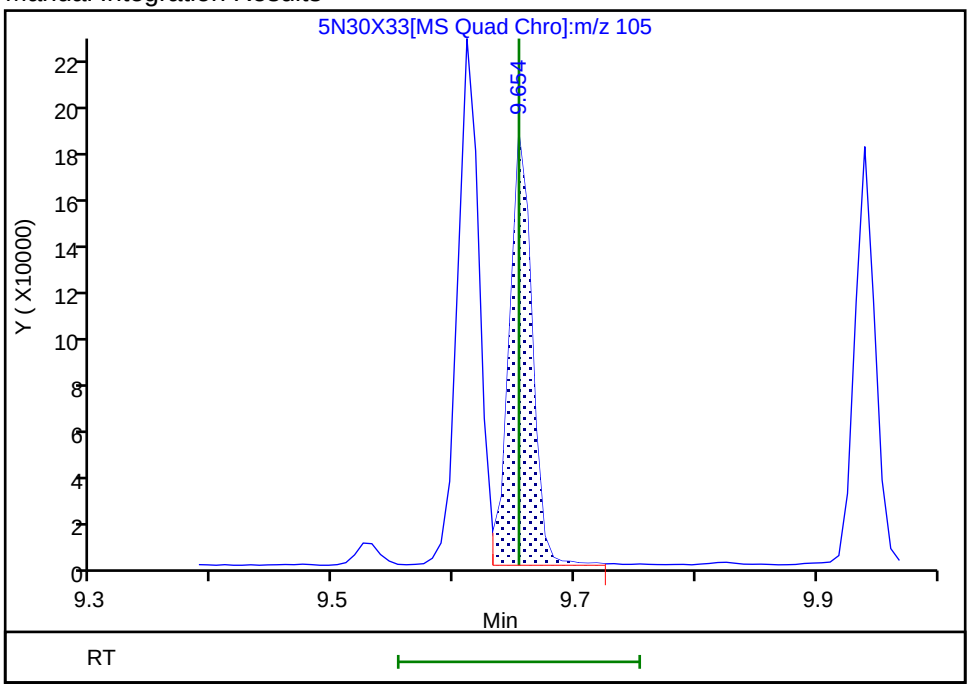
Not Detected
Expected RT: 9.65

Processing Integration Results



Manual Integration Results

RT: 9.65
Area: 239665
Amount: 1.010410
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:51:18
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

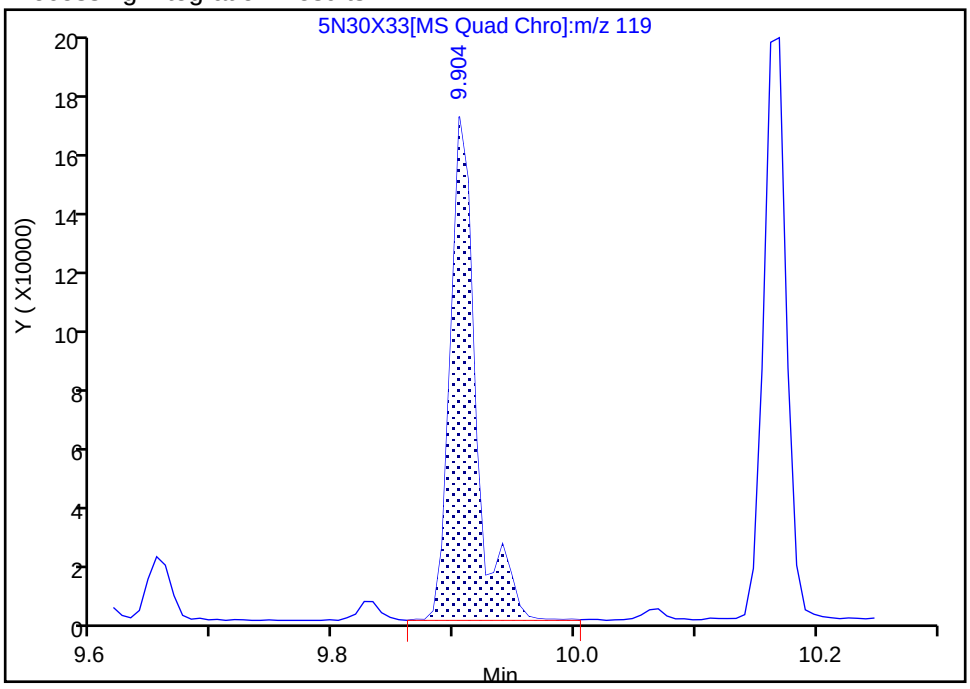
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

85 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

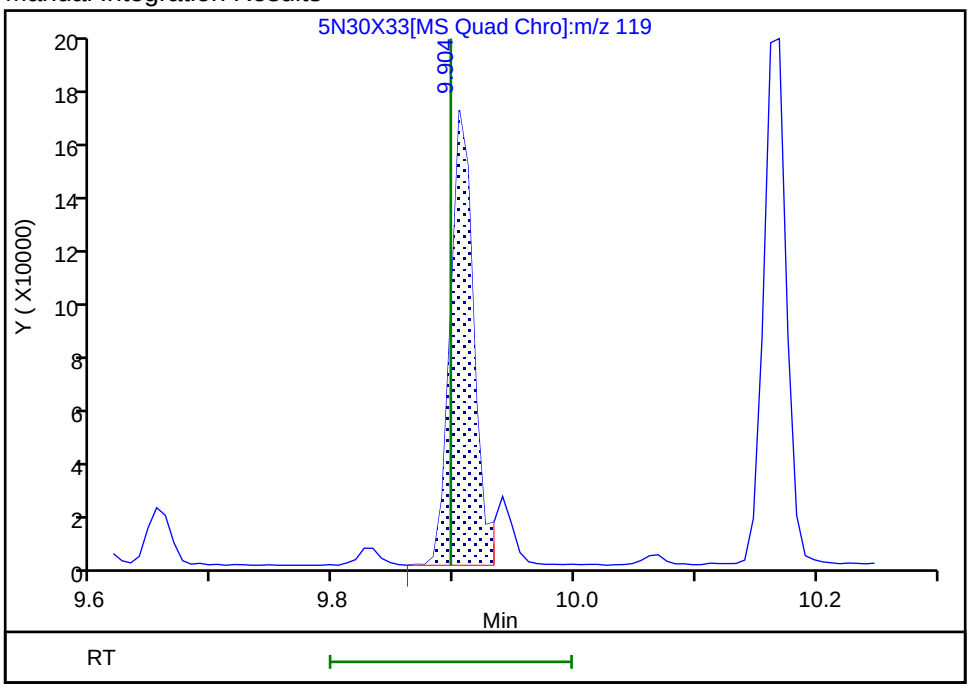
Processing Integration Results

RT: 9.90
Area: 245078
Amount: 0.997276
Amount Units: ppb v/v



Manual Integration Results

RT: 9.90
Area: 220780
Amount: 0.967788
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:51:26

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

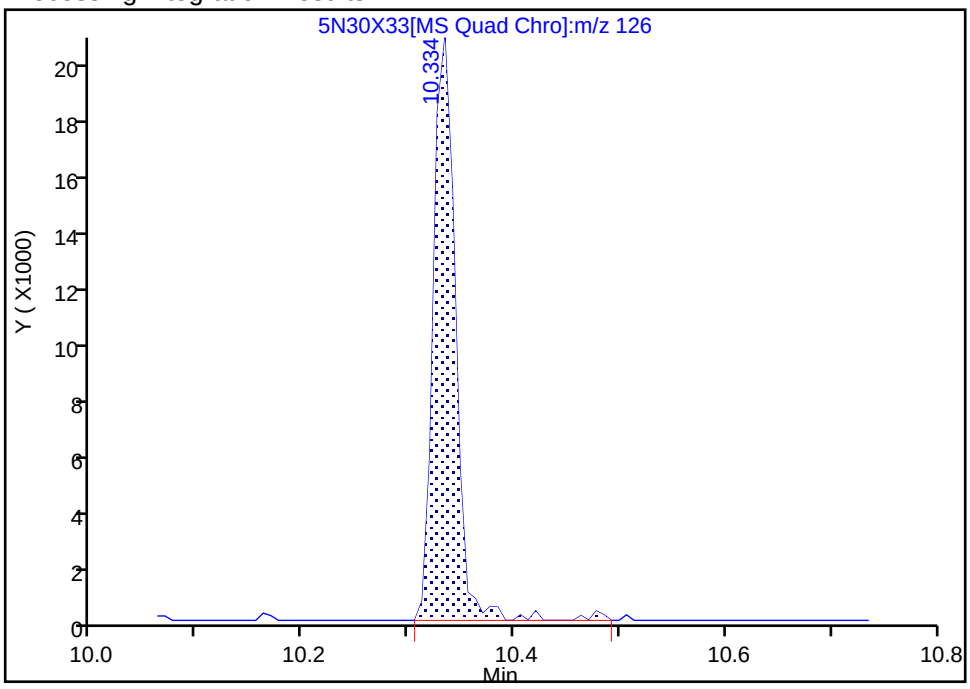
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X33.D				
Injection Date:	01-Dec-2021 02:28:15	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

91 Benzyl chloride, CAS: 100-44-7

Signal: 1

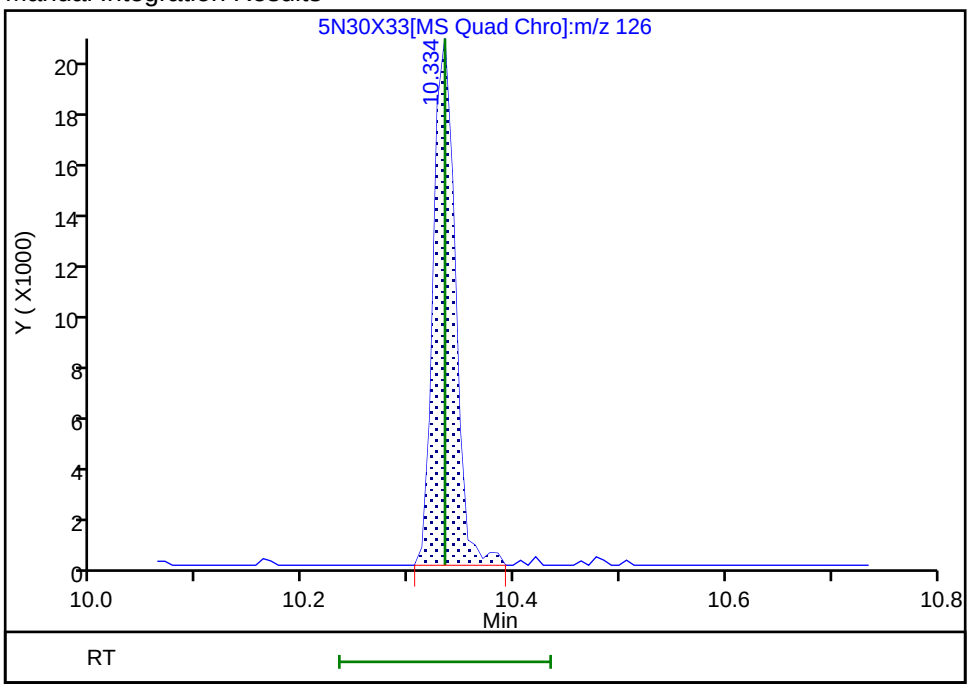
Processing Integration Results

RT: 10.33
Area: 30466
Amount: 0.760681
Amount Units: ppb v/v



Manual Integration Results

RT: 10.33
Area: 29932
Amount: 0.748596
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:52:25

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 01-Dec-2021 02:50:03 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 410-0045222-006
Operator ID: etp33087 Instrument ID: HP22820
Sublist: chrom-AirMS_TO15_HP22820*sub1

Method: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 02-Dec-2021 12:35:47 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: proctore Date: 01-Dec-2021 16:43:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	1.638	1.638	0.000	98	62507	2.00	1.92	
2 Dichlorodifluoromethane	85	1.674	1.667	0.007	99	307949	2.00	2.04	
3 Chlorodifluoromethane	51	1.695	1.695	0.000	96	145749	2.00	2.06	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.803	1.803	0.000	95	331367	2.00	2.06	
5 Chloromethane	50	1.874	1.860	0.014	97	71578	2.00	2.03	M
6 Vinyl chloride	62	1.996	1.996	0.000	96	99924	2.00	2.01	
7 Butadiene	54	2.032	2.032	0.000	89	66759	2.00	1.93	
8 Bromomethane	94	2.376	2.376	0.000	90	104149	2.00	1.98	
9 Chloroethane	64	2.490	2.491	-0.001	99	63229	2.00	1.95	
10 Vinyl bromide	106	2.720	2.713	0.007	98	104841	2.00	1.94	
11 Dichlorofluoromethane	67	2.748	2.748	0.000	96	233632	2.00	2.08	
12 Trichlorofluoromethane	101	2.798	2.791	0.007	97	338840	2.00	2.04	
13 Pentane	43	2.899	2.892	0.007	93	122960	2.00	1.89	
14 Ethanol	45	3.099	3.121	-0.022	95	23488	2.00	1.79	M
15 Acrolein	56	3.364	3.364	0.000	98	27357	2.00	1.85	M
16 1,1-Dichloroethene	61	3.443	3.443	0.000	94	145928	2.00	1.96	
17 112TCTFE	103	3.465	3.472	-0.007	92	181475	2.00	2.04	
18 Acetone	43	3.551	3.558	-0.007	100	115616	2.00	1.88	
19 Iodomethane	142	3.622	3.615	0.007	99	323539	2.00	2.01	
20 Carbon disulfide	76	3.679	3.672	0.007	98	305361	2.00	2.01	
21 Isopropyl alcohol	45	3.730	3.744	-0.014	95	88423	2.00	1.72	
23 Acetonitrile	41	3.880	3.887	-0.007	87	147373	2.00	1.87	a
22 3-Chloro-1-propene	41	3.880	3.887	-0.007	95	147373	2.00	1.87	
24 Methylene Chloride	84	4.023	4.023	0.000	85	105579	2.00	2.02	
25 2-Methyl-2-propanol	59	4.174	4.174	0.000	95	123829	2.00	1.75	
26 trans-1,2-Dichloroethene	61	4.295	4.296	-0.001	95	139508	2.00	2.03	
27 Methyl tert-butyl ether	73	4.303	4.303	0.000	95	231777	2.00	1.91	
28 Acrylonitrile	53	4.310	4.310	0.000	99	69954	2.00	1.93	
29 Hexane	56	4.561	4.561	-0.001	89	71210	2.00	2.02	
30 1,1-Dichloroethane	63	4.718	4.718	0.000	96	187297	2.00	2.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Vinyl acetate	43	4.783	4.783	0.000	96	305431	2.00	1.95	a
31 Isopropyl ether	45	4.783	4.783	0.000	63	248908	2.00	2.00	
33 Tert-butyl ethyl ether	59	5.112	5.112	0.000	93	222836	2.00	1.91	
34 cis-1,2-Dichloroethene	61	5.248	5.248	0.000	75	131375	2.00	2.01	
35 2-Butanone (MEK)	43	5.277	5.284	-0.007	96	126082	2.00	1.88	M
36 Ethyl acetate	43	5.327	5.327	0.000	98	188356	2.00	1.99	
37 Methyl acrylate	55	5.356	5.356	0.000	99	138862	2.00	1.96	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	84	283797	10.0	10.0	
39 Tetrahydrofuran	42	5.499	5.499	0.000	81	80908	2.00	1.88	
40 Chloroform	83	5.528	5.528	0.000	92	264451	2.00	2.07	
41 1,1,1-Trichloroethane	97	5.671	5.671	0.000	97	252837	2.00	2.01	
42 Cyclohexane	56	5.707	5.707	0.000	84	130897	2.00	2.00	
43 Carbon tetrachloride	117	5.800	5.800	0.000	96	271417	2.00	2.04	
44 Benzene	78	5.972	5.972	0.000	93	359307	2.00	1.98	
45 1,2-Dichloroethane	62	6.000	6.000	0.000	98	151203	2.00	2.01	
46 Isooctane	57	6.022	6.022	0.000	95	385490	2.00	2.01	
47 Tert-amyl methyl ether	73	6.058	6.065	-0.007	94	231004	2.00	1.97	
48 n-Heptane	71	6.165	6.165	0.000	85	109837	2.00	2.07	
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	93	1261922	10.0	10.0	
50 Trichloroethene	130	6.480	6.480	0.000	96	186816	2.00	1.97	
51 Ethyl acrylate	55	6.559	6.559	0.000	99	155082	2.00	1.86	
52 1,2-Dichloropropane	63	6.659	6.659	0.000	95	119241	2.00	1.99	
53 Methyl methacrylate	69	6.738	6.738	0.000	85	89372	2.00	1.84	
54 Dibromomethane	174	6.760	6.753	0.007	93	183863	2.00	1.99	
55 1,4-Dioxane	88	6.760	6.767	-0.007	90	66282	2.00	1.84	
56 Dichlorobromomethane	83	6.867	6.867	0.000	99	265661	2.00	2.04	
57 cis-1,3-Dichloropropene	75	7.197	7.204	-0.008	98	170075	2.00	1.89	
58 4-Methyl-2-pentanone (MIBK)	43	7.311	7.311	0.000	95	146550	2.00	1.82	
59 Toluene	91	7.447	7.447	0.000	99	443426	2.00	2.09	
60 n-Octane	43	7.497	7.498	-0.001	76	200230	2.00	2.10	
61 trans-1,3-Dichloropropene	75	7.612	7.612	0.000	89	152836	2.00	1.96	
62 Ethyl methacrylate	69	7.655	7.655	0.000	87	138702	2.00	1.84	
63 1,1,2-Trichloroethane	97	7.755	7.755	0.000	90	169982	2.00	2.10	
64 Tetrachloroethene	166	7.848	7.849	-0.001	98	277280	2.00	2.07	
65 2-Hexanone	43	7.927	7.927	0.000	94	112881	2.00	1.70	
66 Chlorodibromomethane	127	8.049	8.049	0.000	89	225953	2.00	2.02	
67 Ethylene Dibromide	107	8.142	8.142	0.000	99	255115	2.00	2.04	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	82	1336196	10.0	10.0	
69 Chlorobenzene	112	8.500	8.500	0.000	98	404254	2.00	2.11	
70 1,1,1,2-Tetrachloroethane	131	8.550	8.558	-0.008	95	223483	2.00	2.07	
71 Ethylbenzene	91	8.565	8.565	0.000	98	531720	2.00	2.13	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	97	388018	2.00	2.04	a
73 o-Xylene	91	8.951	8.952	-0.001	96	372700	2.00	2.04	
74 Styrene	104	8.959	8.959	0.000	95	294976	2.00	2.01	
75 Bromoform	173	9.123	9.116	0.007	98	302530	2.00	1.99	
76 Isopropylbenzene	105	9.216	9.224	-0.008	95	548634	2.00	2.11	
77 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	94	344220	2.00	2.03	M
78 Bromobenzene	156	9.474	9.475	-0.001	81	244574	2.00	2.01	
79 1,2,3-Trichloropropane	110	9.496	9.496	0.000	82	117602	2.00	2.07	
80 N-Propylbenzene	120	9.532	9.532	0.000	98	173306	2.00	2.00	
82 2-Chlorotoluene	126	9.610	9.611	-0.001	96	174902	2.00	2.10	
81 4-Ethyltoluene	105	9.610	9.611	-0.001	96	600551	2.00	2.19	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 1,3,5-Trimethylbenzene	105	9.653	9.654	-0.001	95	501474	2.00	2.13	Ma
84 Alpha Methyl Styrene	118	9.825	9.818	0.007	89	197398	2.00	1.84	
85 tert-Butylbenzene	119	9.904	9.897	0.007	90	492113	2.00	2.17	M
86 1,2,4-Trimethylbenzene	105	9.940	9.933	0.007	96	480837	2.00	2.23	
87 sec-Butylbenzene	105	10.069	10.062	0.007	93	690514	2.00	2.19	
89 4-Isopropyltoluene	119	10.169	10.162	0.007	96	587009	2.00	2.15	
88 1,3-Dichlorobenzene	146	10.169	10.162	0.007	82	407862	2.00	2.04	
90 1,4-Dichlorobenzene	146	10.234	10.234	0.000	96	408011	2.00	2.04	
91 Benzyl chloride	126	10.341	10.334	0.007	98	64635	2.00	1.63	
92 n-Butylbenzene	92	10.484	10.477	0.007	97	258875	2.00	1.94	
93 1,2-Dichlorobenzene	146	10.527	10.520	0.007	100	384018	2.00	2.05	
94 Hexachloroethane	117	10.706	10.707	-0.001	92	208123	2.00	1.93	
95 1,2-Dibromo-3-Chloropropane	157	11.115	11.115	0.000	91	170183	2.00	1.75	
96 1,2,4-Trichlorobenzene	180	11.745	11.745	0.000	93	208463	2.00	1.62	
97 Hexachlorobutadiene	225	11.860	11.860	0.000	98	228683	2.00	1.84	
98 Naphthalene	128	11.953	11.946	0.007	96	298747	2.00	1.42	
S 101 1,2-Dichloroethene, Total	61				0	270883	4.00	4.04	
S 102 1,3-Dichloropropene, Total	75				0	322911	4.00	3.90	
S 104 Xylenes, Total	91				0	760718	4.00	4.08	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRCAL10.0_00149	Amount Added:	40.00	Units: mL	
AIRIS200 ppb_00080	Amount Added:	10.00	Units: mL	Run Reagent

Report Date: 02-Dec-2021 12:35:47 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D

Injection Date: 01-Dec-2021 02:50:03 Instrument ID: HP22820

Lims ID: IC

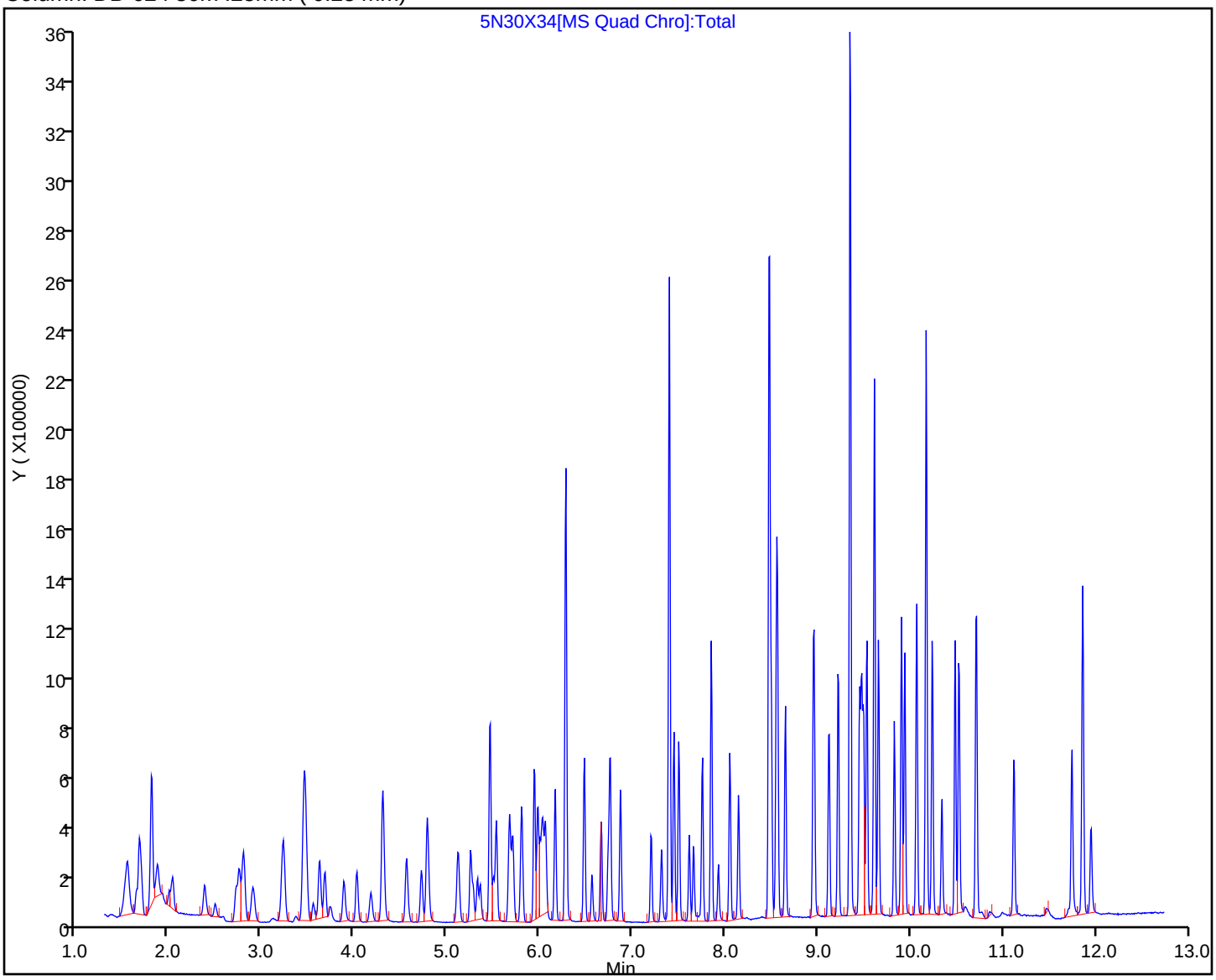
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 6

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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

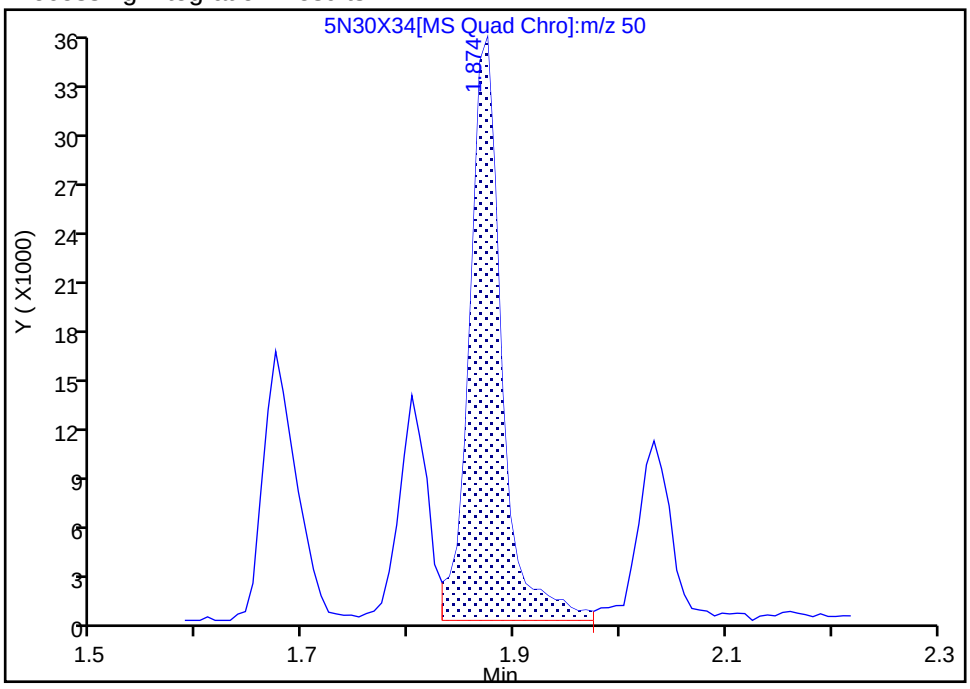
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D				
Injection Date:	01-Dec-2021 02:50:03	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

Signal: 1

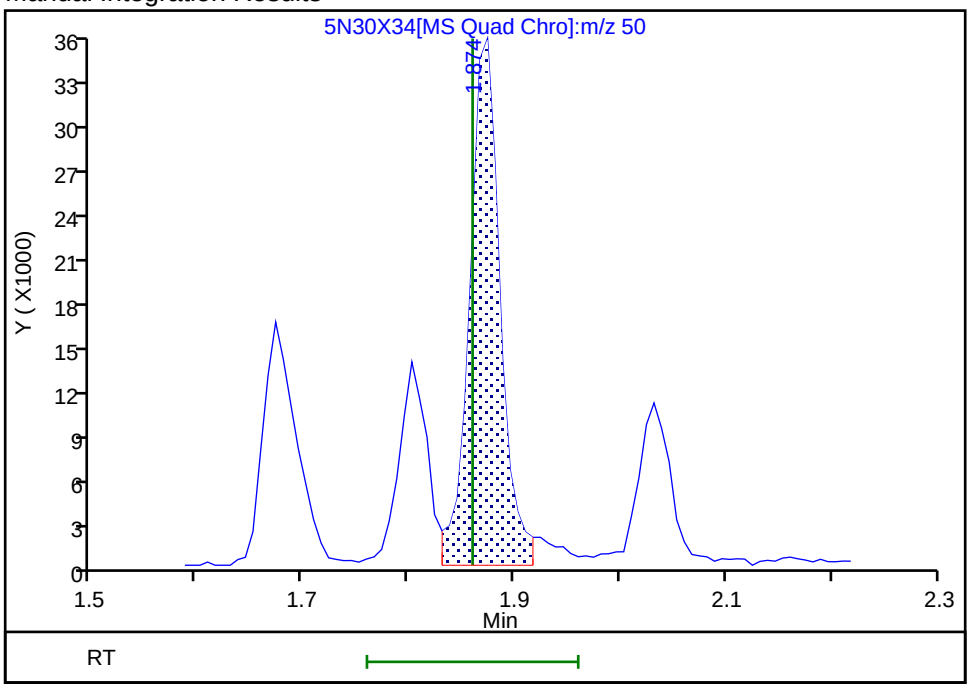
Processing Integration Results

RT: 1.87
Area: 75515
Amount: 1.914821
Amount Units: ppb v/v



Manual Integration Results

RT: 1.87
Area: 71578
Amount: 2.033048
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:18:46

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

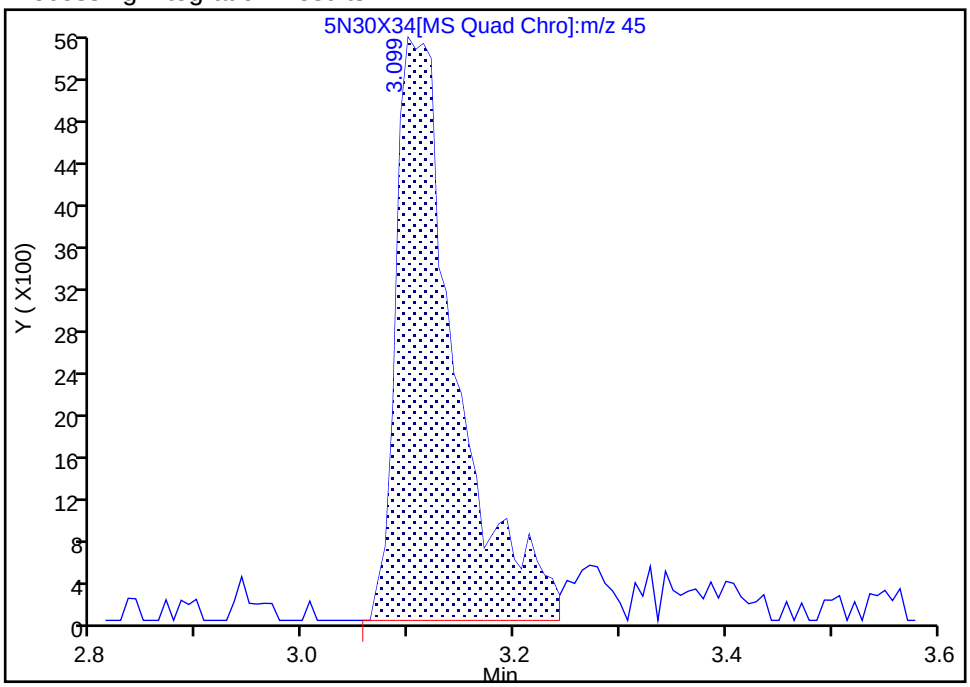
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D				
Injection Date:	01-Dec-2021 02:50:03	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

14 Ethanol, CAS: 64-17-5

Signal: 1

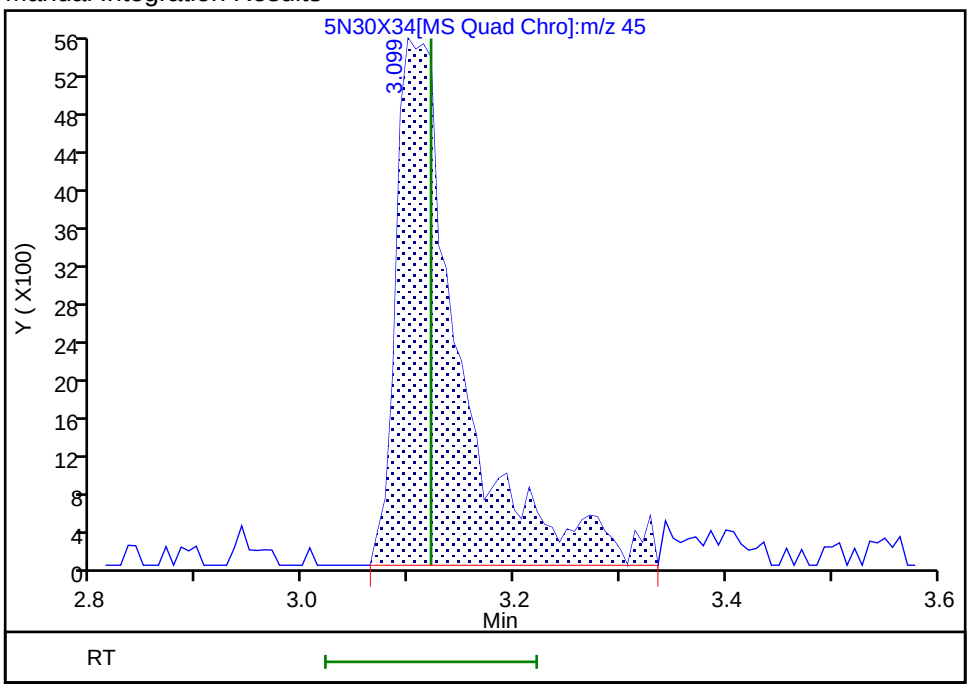
Processing Integration Results

RT: 3.10
Area: 21658
Amount: 1.544610
Amount Units: ppb v/v



Manual Integration Results

RT: 3.10
Area: 23488
Amount: 1.793449
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:43:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

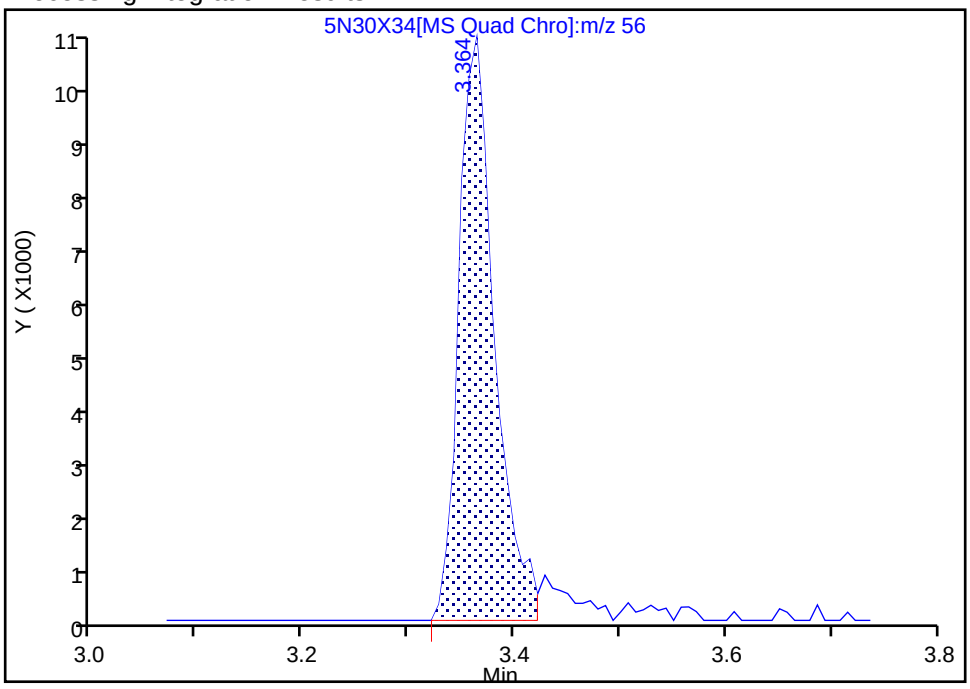
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D				
Injection Date:	01-Dec-2021 02:50:03	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

15 Acrolein, CAS: 107-02-8

Signal: 1

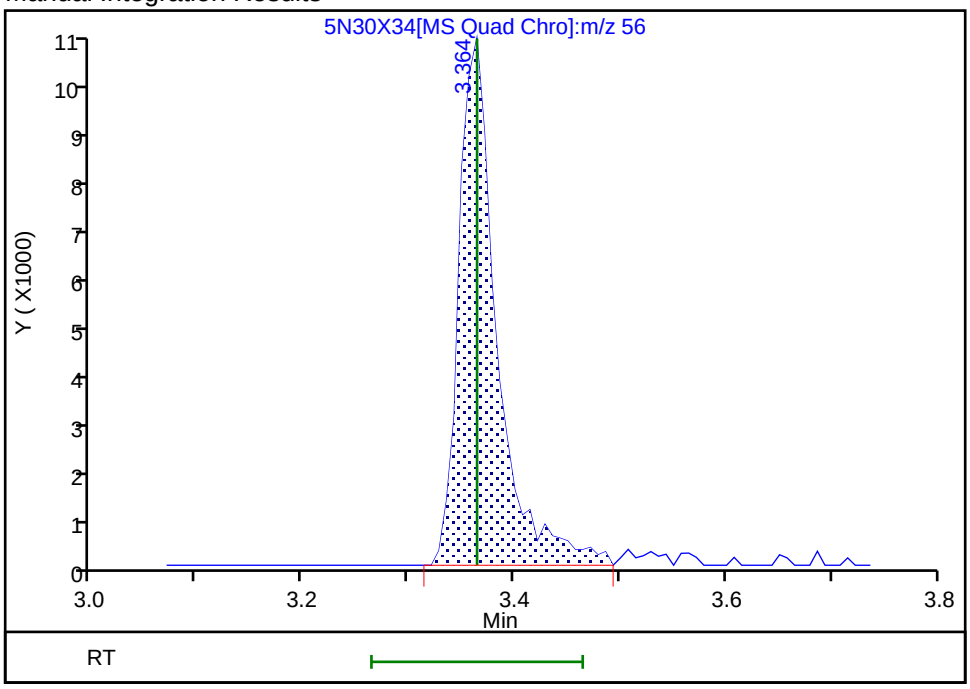
Processing Integration Results

RT: 3.36
Area: 25523
Amount: 1.752847
Amount Units: ppb v/v



Manual Integration Results

RT: 3.36
Area: 27357
Amount: 1.853509
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:42:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

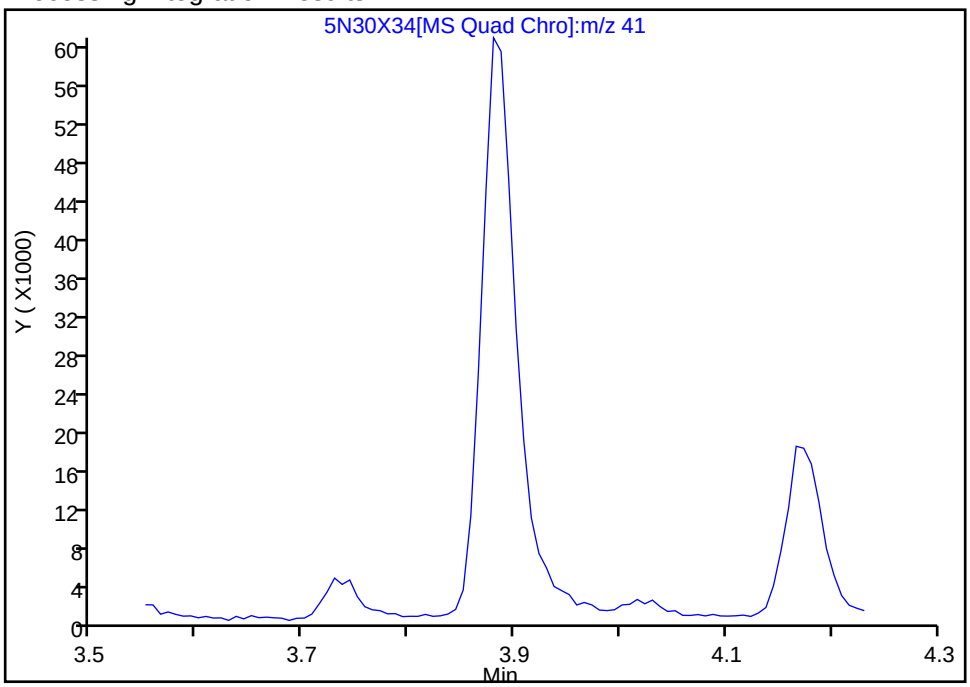
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D				
Injection Date:	01-Dec-2021 02:50:03	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

23 Acetonitrile, CAS: 75-05-8

Signal: 1

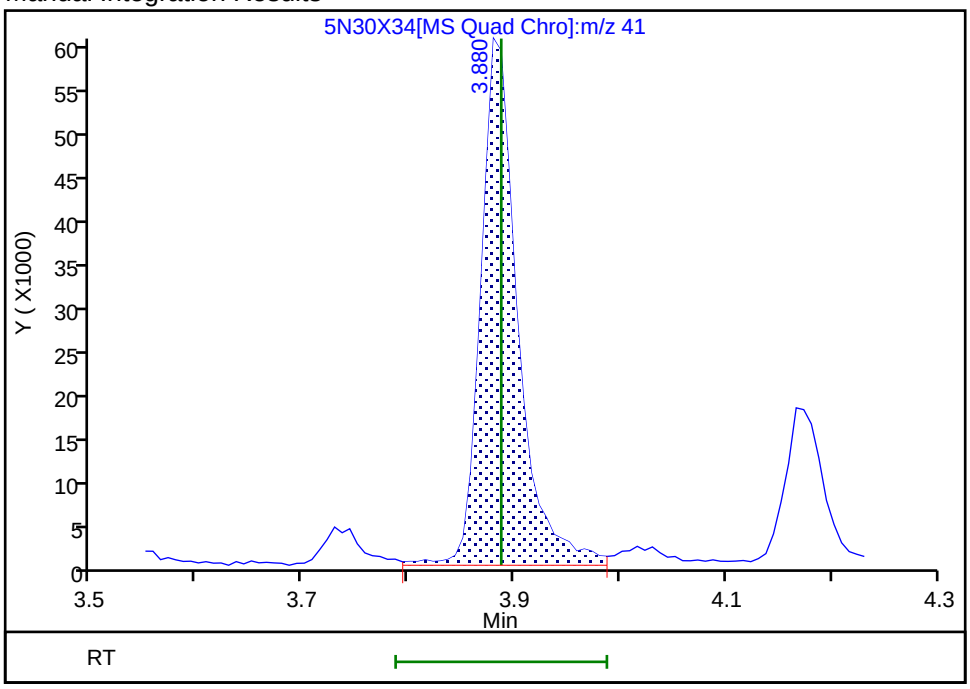
Not Detected
Expected RT: 3.89

Processing Integration Results



Manual Integration Results

RT: 3.88
Area: 147373
Amount: 1.869866
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:43:53
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

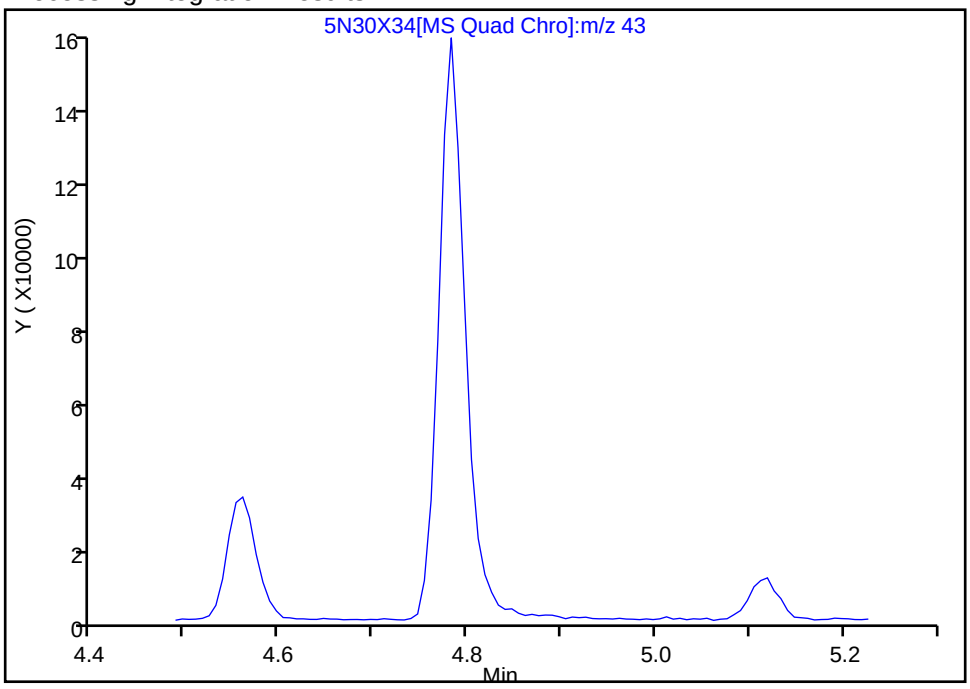
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D				
Injection Date:	01-Dec-2021 02:50:03	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

32 Vinyl acetate, CAS: 108-05-4

Signal: 1

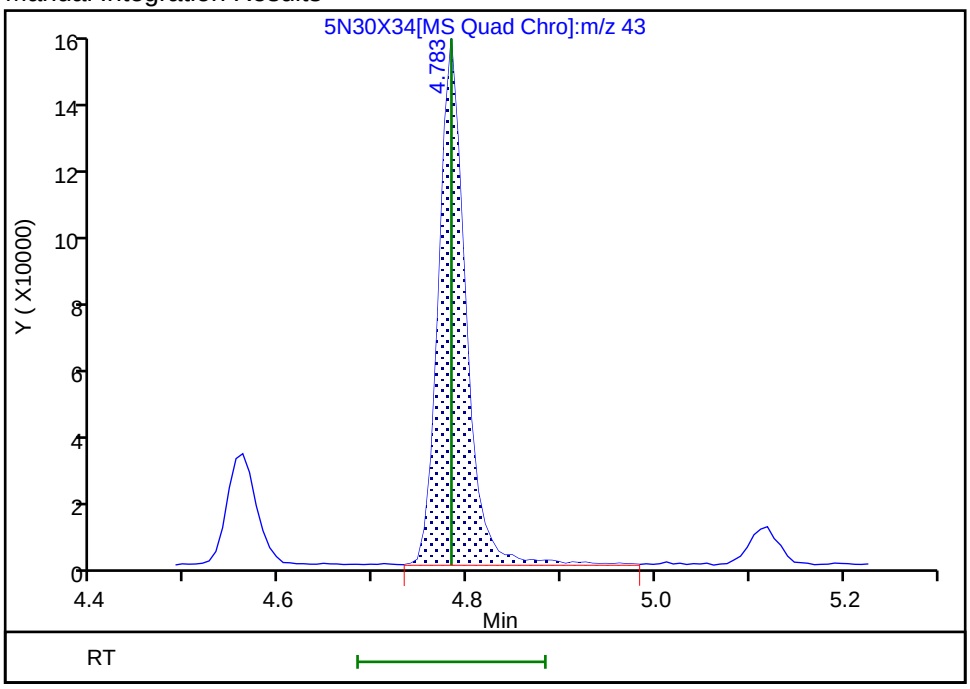
Not Detected
Expected RT: 4.78

Processing Integration Results



Manual Integration Results

RT: 4.78
Area: 305431
Amount: 1.947146
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:44:06
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

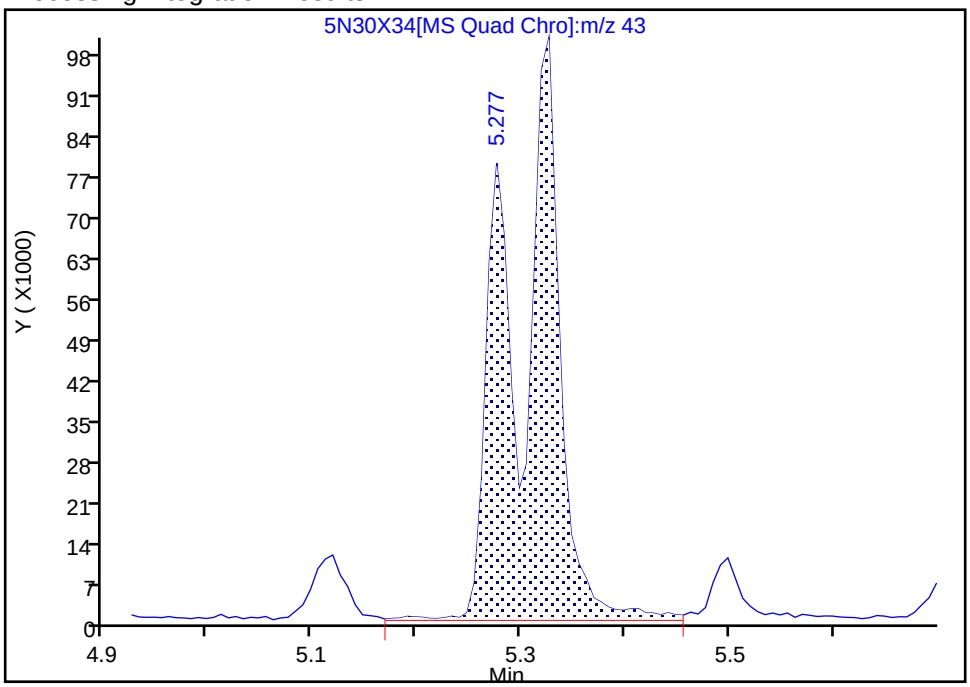
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D				
Injection Date:	01-Dec-2021 02:50:03	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

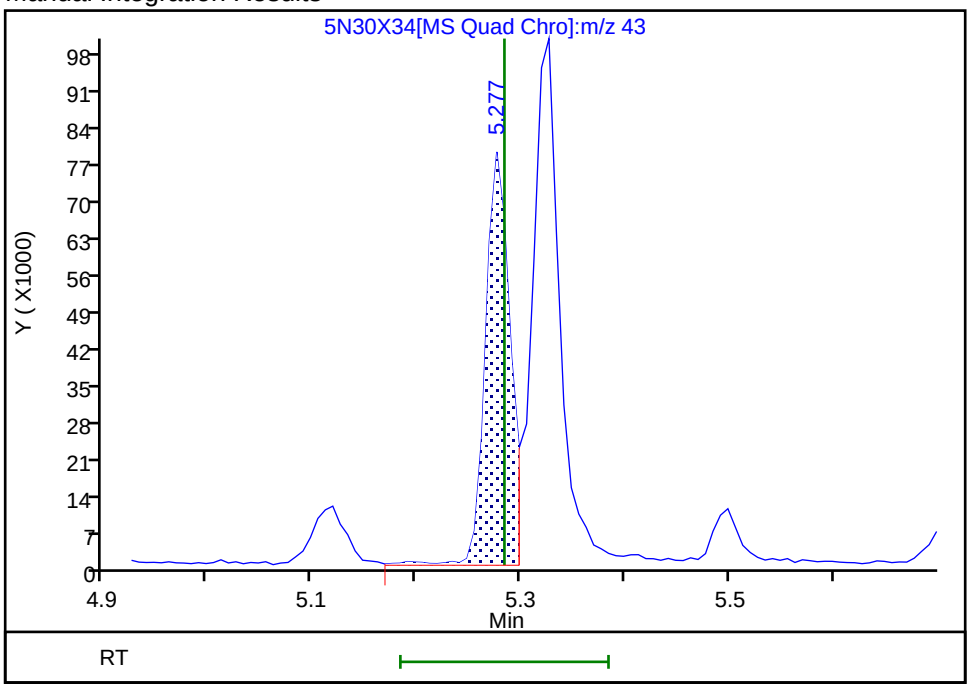
Processing Integration Results

RT: 5.28
Area: 314438
Amount: 2.185900
Amount Units: ppb v/v



Manual Integration Results

RT: 5.28
Area: 126082
Amount: 1.883585
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:44:18
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

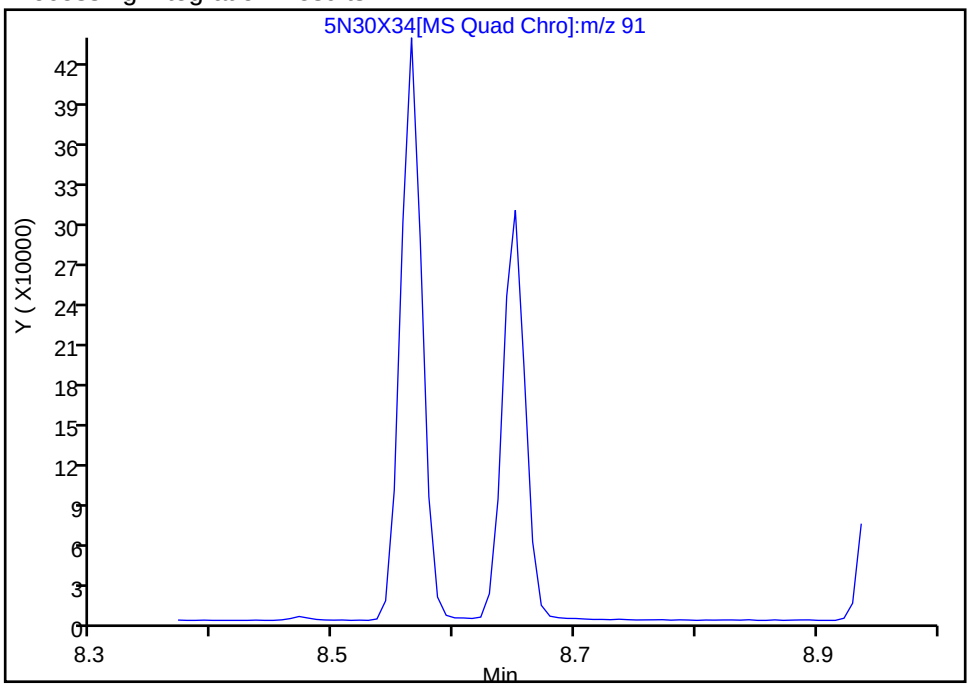
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D				
Injection Date:	01-Dec-2021 02:50:03	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

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

Signal: 1

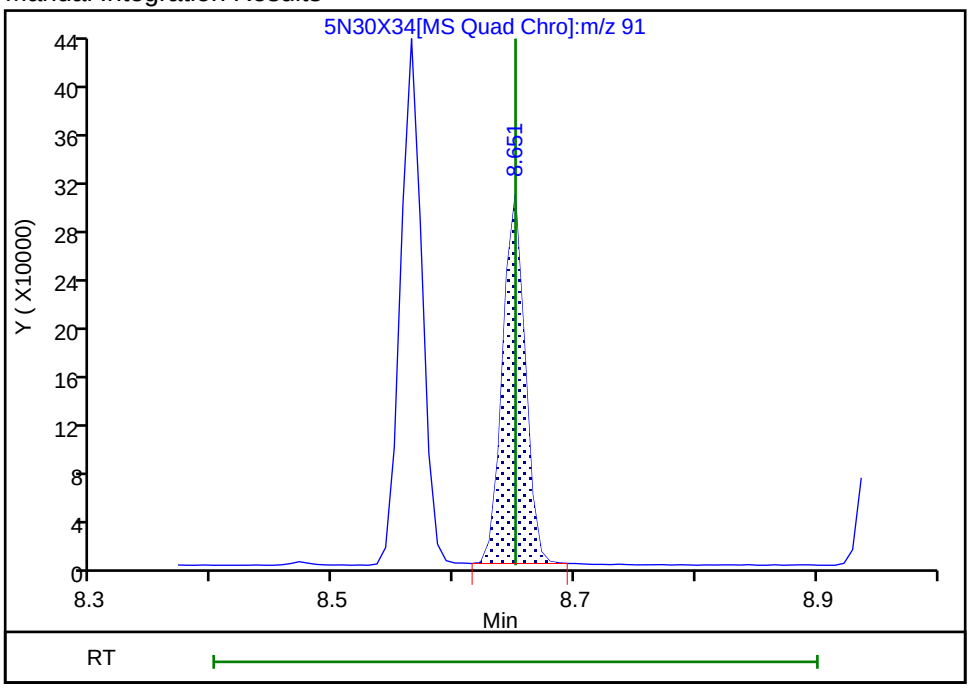
Processing Integration Results

Not Detected
Expected RT: 8.65



Manual Integration Results

RT: 8.65
Area: 388018
Amount: 2.040973
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:44:46
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

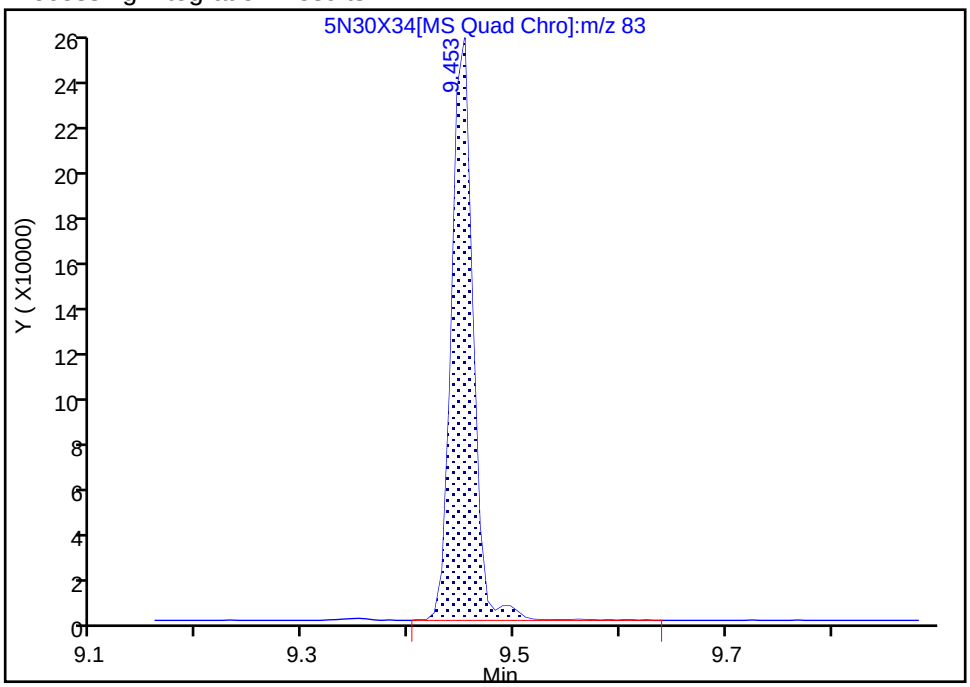
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D				
Injection Date:	01-Dec-2021 02:50:03	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

77 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

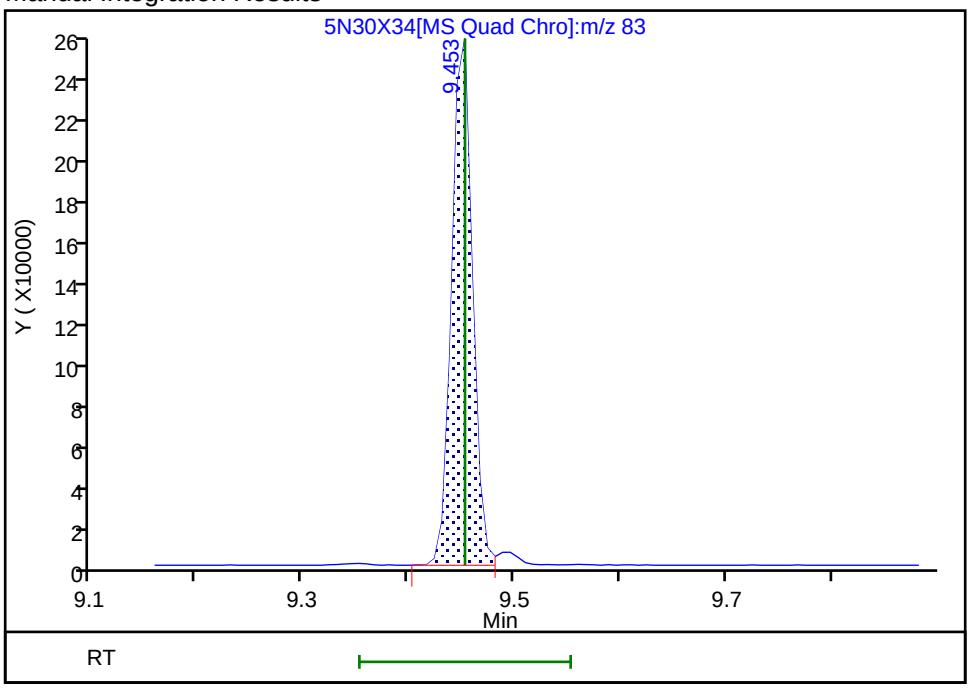
Processing Integration Results

RT: 9.45
Area: 354259
Amount: 2.072053
Amount Units: ppb v/v



Manual Integration Results

RT: 9.45
Area: 344220
Amount: 2.034433
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:44:59

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

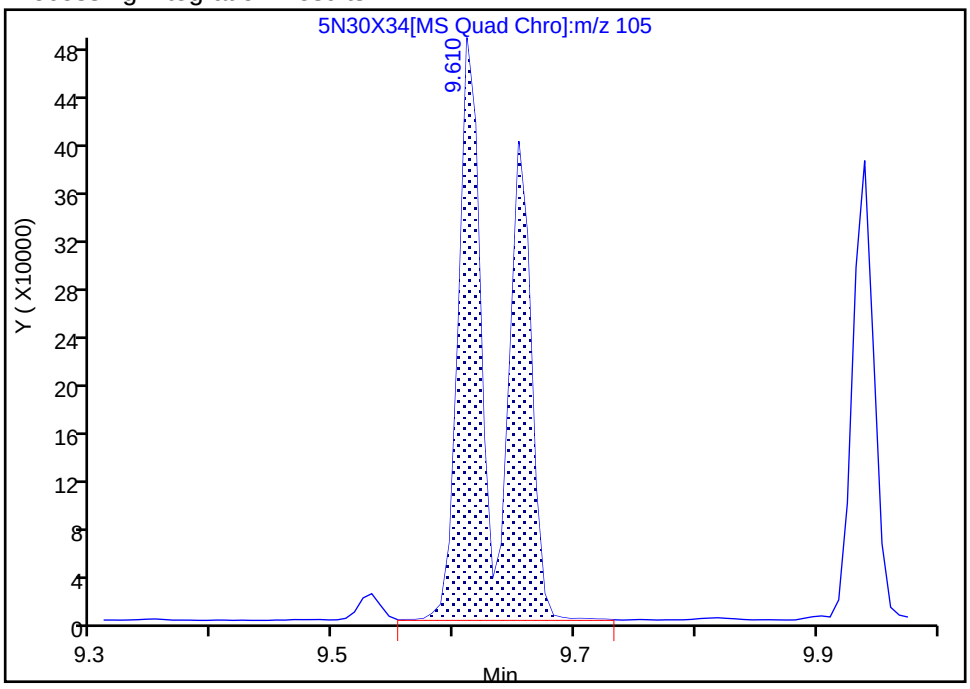
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D				
Injection Date:	01-Dec-2021 02:50:03	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

81 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

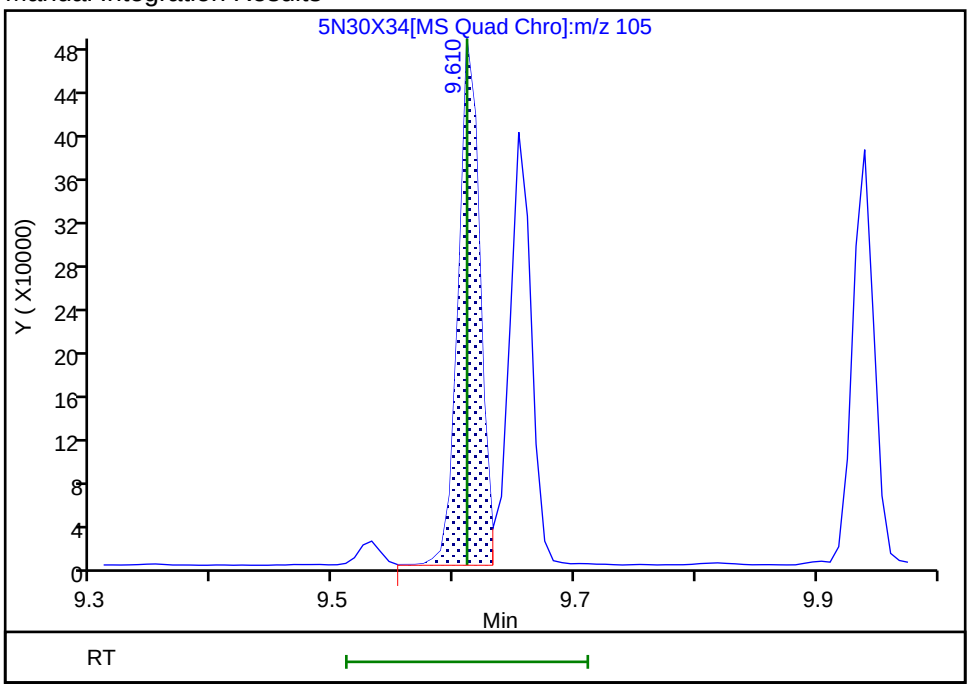
Processing Integration Results

RT: 9.61
Area: 1102025
Amount: 2.787755
Amount Units: ppb v/v



Manual Integration Results

RT: 9.61
Area: 600551
Amount: 2.193375
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:45:13
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

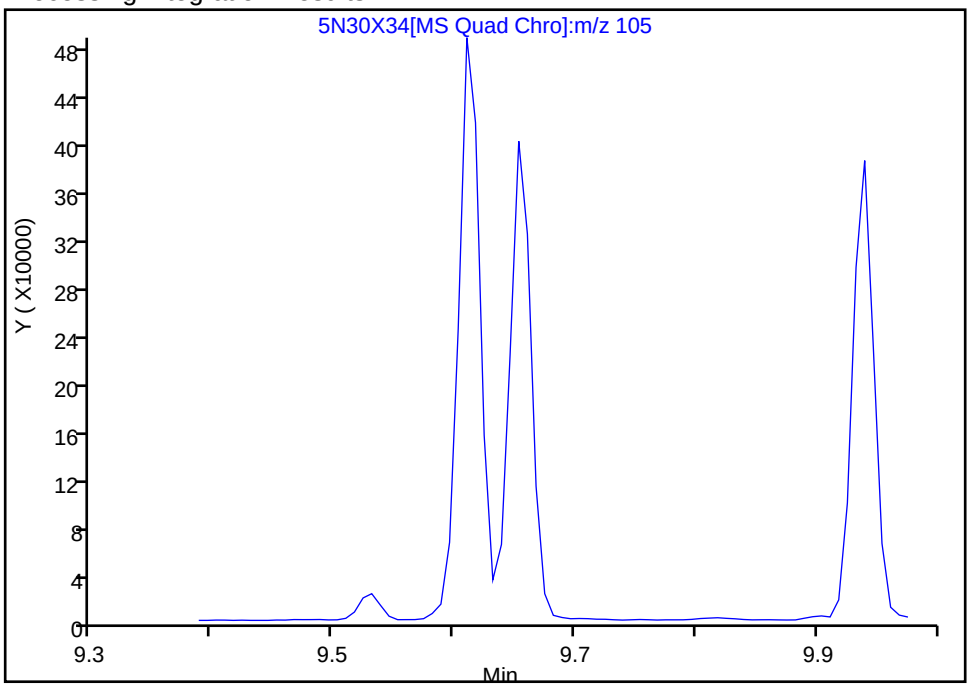
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D				
Injection Date:	01-Dec-2021 02:50:03	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

83 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

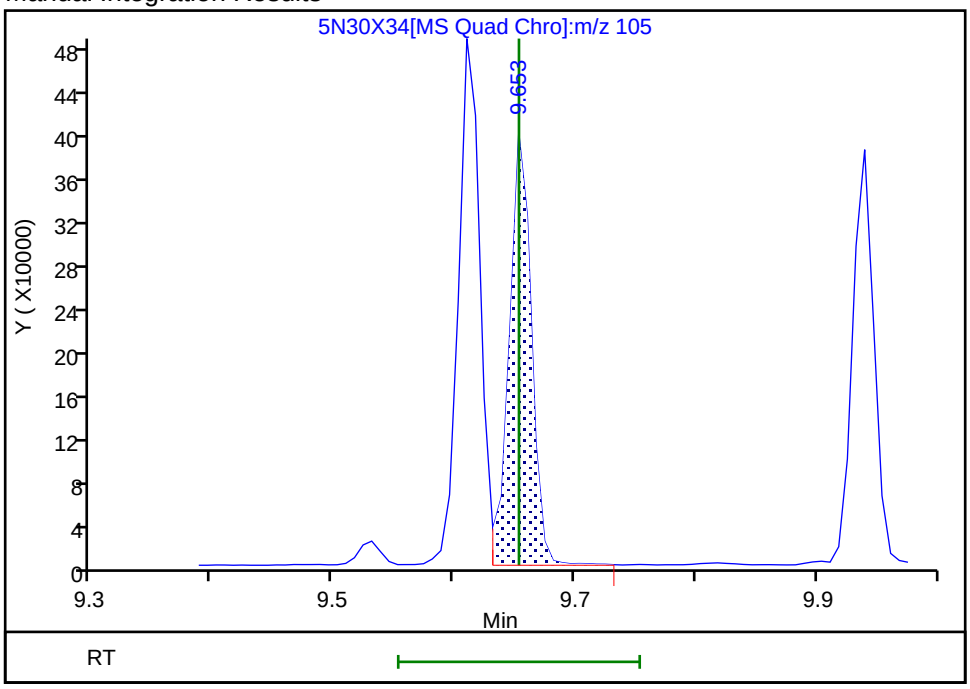
Not Detected
Expected RT: 9.65

Processing Integration Results



Manual Integration Results

RT: 9.65
Area: 501474
Amount: 2.130496
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:45:24
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

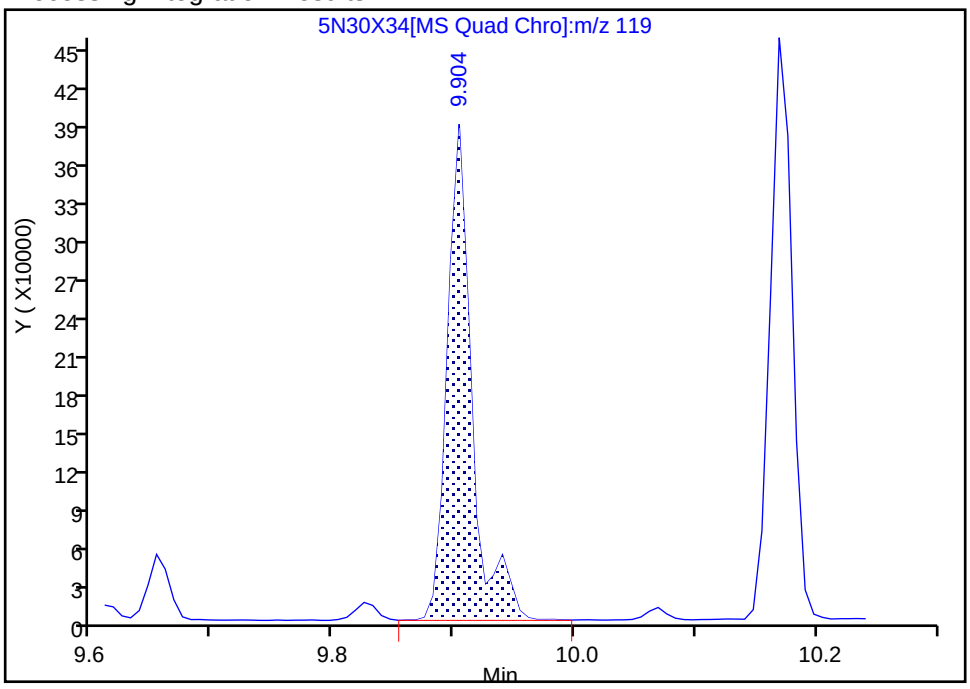
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X34.D				
Injection Date:	01-Dec-2021 02:50:03	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

85 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

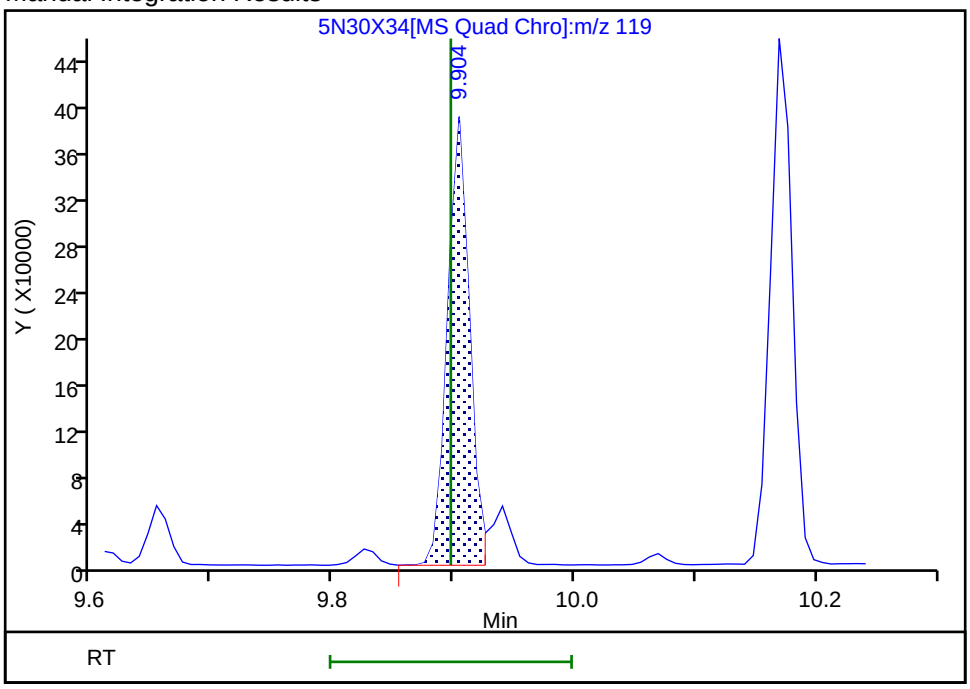
Processing Integration Results

RT: 9.90
Area: 553486
Amount: 2.234494
Amount Units: ppb v/v



Manual Integration Results

RT: 9.90
Area: 492113
Amount: 2.173826
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:45:32

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X35.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 01-Dec-2021 03:12:53 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 410-0045222-007
Operator ID: etp33087 Instrument ID: HP22820
Sublist: chrom-AirMS_TO15_HP22820*sub1

Method: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 02-Dec-2021 12:35:51 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: proctore Date: 01-Dec-2021 16:42:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	1.645	1.645	0.000	99	155591	5.00	4.63	
2 Dichlorodifluoromethane	85	1.681	1.681	0.000	99	773058	5.00	4.96	
3 Chlorodifluoromethane	51	1.695	1.695	0.000	96	360431	5.00	4.94	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.810	1.810	0.000	95	812018	5.00	4.89	
5 Chloromethane	50	1.874	1.874	0.000	98	166458	5.00	4.59	M
6 Vinyl chloride	62	2.003	2.003	0.000	98	251441	5.00	4.91	
7 Butadiene	54	2.032	2.032	0.000	89	174457	5.00	4.88	
8 Bromomethane	94	2.383	2.383	0.000	91	254157	5.00	4.68	
9 Chloroethane	64	2.498	2.498	0.000	99	142350	5.00	4.25	
10 Vinyl bromide	106	2.720	2.720	0.000	99	269881	5.00	4.85	
11 Dichlorofluoromethane	67	2.756	2.756	0.000	96	586391	5.00	5.06	
12 Trichlorofluoromethane	101	2.798	2.798	0.000	97	838660	5.00	4.89	
13 Pentane	43	2.906	2.906	0.000	96	330402	5.00	4.92	
14 Ethanol	45	3.106	3.106	0.000	99	56104	5.00	4.16	M
15 Acrolein	56	3.364	3.364	0.000	99	74788	5.00	4.92	
16 1,1-Dichloroethene	61	3.450	3.450	0.000	95	392534	5.00	5.12	
17 112TCTFE	103	3.465	3.465	0.000	92	443800	5.00	4.85	
18 Acetone	43	3.551	3.551	0.000	100	295359	5.00	4.66	
19 Iodomethane	142	3.622	3.622	0.000	99	799717	5.00	4.81	
20 Carbon disulfide	76	3.680	3.680	0.000	98	778908	5.00	4.98	
21 Isopropyl alcohol	45	3.737	3.737	0.000	95	237792	5.00	4.50	
23 Acetonitrile	41	3.887	3.887	0.000	87	380538	5.00	4.69	
22 3-Chloro-1-propene	41	3.887	3.887	0.000	94	380538	5.00	4.69	a
24 Methylene Chloride	84	4.023	4.023	0.000	84	266630	5.00	4.95	
25 2-Methyl-2-propanol	59	4.174	4.174	0.000	94	323309	5.00	4.42	
26 trans-1,2-Dichloroethene	61	4.303	4.303	0.000	96	366395	5.00	5.18	
27 Methyl tert-butyl ether	73	4.303	4.303	0.000	94	640025	5.00	5.11	
28 Acrylonitrile	53	4.310	4.310	0.000	48	194355	5.00	5.20	
29 Hexane	56	4.561	4.561	0.000	89	178032	5.00	4.89	
30 1,1-Dichloroethane	63	4.718	4.718	0.000	96	476804	5.00	4.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Vinyl acetate	43	4.783	4.783	0.000	98	826187	5.00	5.11	
31 Isopropyl ether	45	4.790	4.790	0.000	83	671298	5.00	5.23	
33 Tert-butyl ethyl ether	59	5.119	5.119	0.000	94	600680	5.00	4.99	
34 cis-1,2-Dichloroethene	61	5.248	5.248	0.000	74	335339	5.00	4.98	
35 2-Butanone (MEK)	43	5.277	5.277	0.000	98	334532	5.00	4.85	M
36 Ethyl acetate	43	5.320	5.320	0.000	96	485384	5.00	4.97	
37 Methyl acrylate	55	5.356	5.356	0.000	99	371740	5.00	5.08	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	84	292467	10.0	10.0	
39 Tetrahydrofuran	42	5.499	5.499	0.000	81	216425	5.00	4.87	
40 Chloroform	83	5.528	5.528	0.000	91	646540	5.00	4.92	
41 1,1,1-Trichloroethane	97	5.671	5.671	0.000	97	634794	5.00	4.90	
42 Cyclohexane	56	5.707	5.707	0.000	87	343539	5.00	5.10	
43 Carbon tetrachloride	117	5.800	5.800	0.000	96	671716	5.00	4.89	
44 Benzene	78	5.979	5.979	0.000	94	887323	5.00	4.78	
45 1,2-Dichloroethane	62	6.000	6.000	0.000	98	380314	5.00	4.92	
46 Isooctane	57	6.029	6.029	0.000	95	1067197	5.00	5.42	
47 Tert-amyl methyl ether	73	6.058	6.058	0.000	96	634940	5.00	5.27	
48 n-Heptane	71	6.165	6.165	0.000	85	286200	5.00	5.25	
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	93	1293801	10.0	10.0	
50 Trichloroethene	130	6.480	6.480	0.000	96	464553	5.00	4.79	
51 Ethyl acrylate	55	6.559	6.559	0.000	99	420844	5.00	4.91	
52 1,2-Dichloropropane	63	6.659	6.659	0.000	96	297028	5.00	4.84	
53 Methyl methacrylate	69	6.738	6.738	0.000	84	253770	5.00	5.10	
54 Dibromomethane	174	6.760	6.760	0.000	93	459495	5.00	4.85	
55 1,4-Dioxane	88	6.760	6.760	0.000	87	179503	5.00	4.85	
56 Dichlorobromomethane	83	6.867	6.867	0.000	99	667020	5.00	4.99	
57 cis-1,3-Dichloropropene	75	7.204	7.204	0.000	97	451092	5.00	4.88	
58 4-Methyl-2-pentanone (MIBK)	43	7.311	7.311	0.000	94	405641	5.00	4.90	M
59 Toluene	91	7.447	7.447	0.000	99	1111257	5.00	5.08	
60 n-Octane	43	7.497	7.497	0.000	77	518311	5.00	5.26	
61 trans-1,3-Dichloropropene	75	7.612	7.612	0.000	89	406716	5.00	5.04	
62 Ethyl methacrylate	69	7.655	7.655	0.000	87	412343	5.00	5.29	
63 1,1,2-Trichloroethane	97	7.755	7.755	0.000	89	414439	5.00	4.96	
64 Tetrachloroethene	166	7.848	7.848	0.000	98	682066	5.00	4.91	
65 2-Hexanone	43	7.927	7.927	0.000	93	330807	5.00	4.82	
66 Chlorodibromomethane	127	8.049	8.049	0.000	89	578144	5.00	5.00	
67 Ethylene Dibromide	107	8.142	8.142	0.000	99	649569	5.00	5.02	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	83	1382130	10.0	10.0	
69 Chlorobenzene	112	8.500	8.500	0.000	98	980527	5.00	4.95	
70 1,1,1,2-Tetrachloroethane	131	8.550	8.550	0.000	95	554559	5.00	4.97	
71 Ethylbenzene	91	8.565	8.565	0.000	98	1414013	5.00	5.47	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	98	1069884	5.00	5.44	
73 o-Xylene	91	8.952	8.952	0.000	95	1041958	5.00	5.52	
74 Styrene	104	8.959	8.959	0.000	95	851962	5.00	5.62	
75 Bromoform	173	9.123	9.123	0.000	99	774675	5.00	4.94	
76 Isopropylbenzene	105	9.224	9.224	0.000	95	1537807	5.00	5.73	
77 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	95	838404	5.00	4.79	M
78 Bromobenzene	156	9.474	9.474	0.000	87	616482	5.00	4.91	
79 1,2,3-Trichloropropane	110	9.496	9.496	0.000	81	282863	5.00	4.82	
80 N-Propylbenzene	120	9.532	9.532	0.000	98	467976	5.00	5.22	
82 2-Chlorotoluene	126	9.611	9.611	0.000	96	447388	5.00	5.20	
81 4-Ethyltoluene	105	9.611	9.611	0.000	97	1631817	5.00	5.76	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 1,3,5-Trimethylbenzene	105	9.654	9.654	0.000	95	1363746	5.00	5.60	Ma
84 Alpha Methyl Styrene	118	9.825	9.825	0.000	89	543122	5.00	4.90	
85 tert-Butylbenzene	119	9.897	9.897	0.000	89	1247026	5.00	5.33	M
86 1,2,4-Trimethylbenzene	105	9.926	9.926	0.000	93	1221033	5.00	5.46	
87 sec-Butylbenzene	105	10.047	10.047	0.000	93	1843681	5.00	5.64	
89 4-Isopropyltoluene	119	10.148	10.148	0.000	96	1651026	5.00	5.85	
88 1,3-Dichlorobenzene	146	10.148	10.148	0.000	76	1039194	5.00	5.04	
90 1,4-Dichlorobenzene	146	10.212	10.212	0.000	97	1030642	5.00	4.99	
91 Benzyl chloride	126	10.320	10.320	0.000	97	192003	5.00	4.68	
92 n-Butylbenzene	92	10.463	10.463	0.000	97	763076	5.00	5.53	
93 1,2-Dichlorobenzene	146	10.506	10.506	0.000	99	961540	5.00	4.96	
94 Hexachloroethane	117	10.692	10.692	0.000	93	542408	5.00	4.86	
95 1,2-Dibromo-3-Chloropropane	157	11.108	11.108	0.000	94	453284	5.00	4.51	
96 1,2,4-Trichlorobenzene	180	11.738	11.738	0.000	94	584062	5.00	4.39	
97 Hexachlorobutadiene	225	11.853	11.853	0.000	98	597637	5.00	4.64	
98 Naphthalene	128	11.939	11.939	0.000	96	978324	5.00	4.50	
S 101 1,2-Dichloroethene, Total	61				0	701734	10.0	10.2	
S 102 1,3-Dichloropropene, Total	75				0	857808	10.0	10.0	
S 104 Xylenes, Total	91				0	2111842	10.0	11.0	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRCAL10.0_00149	Amount Added: 100.00	Units: mL	
AIRIS200 ppb_00080	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 02-Dec-2021 12:35:52 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X35.D

Injection Date: 01-Dec-2021 03:12:53 Instrument ID: HP22820

Lims ID: IC

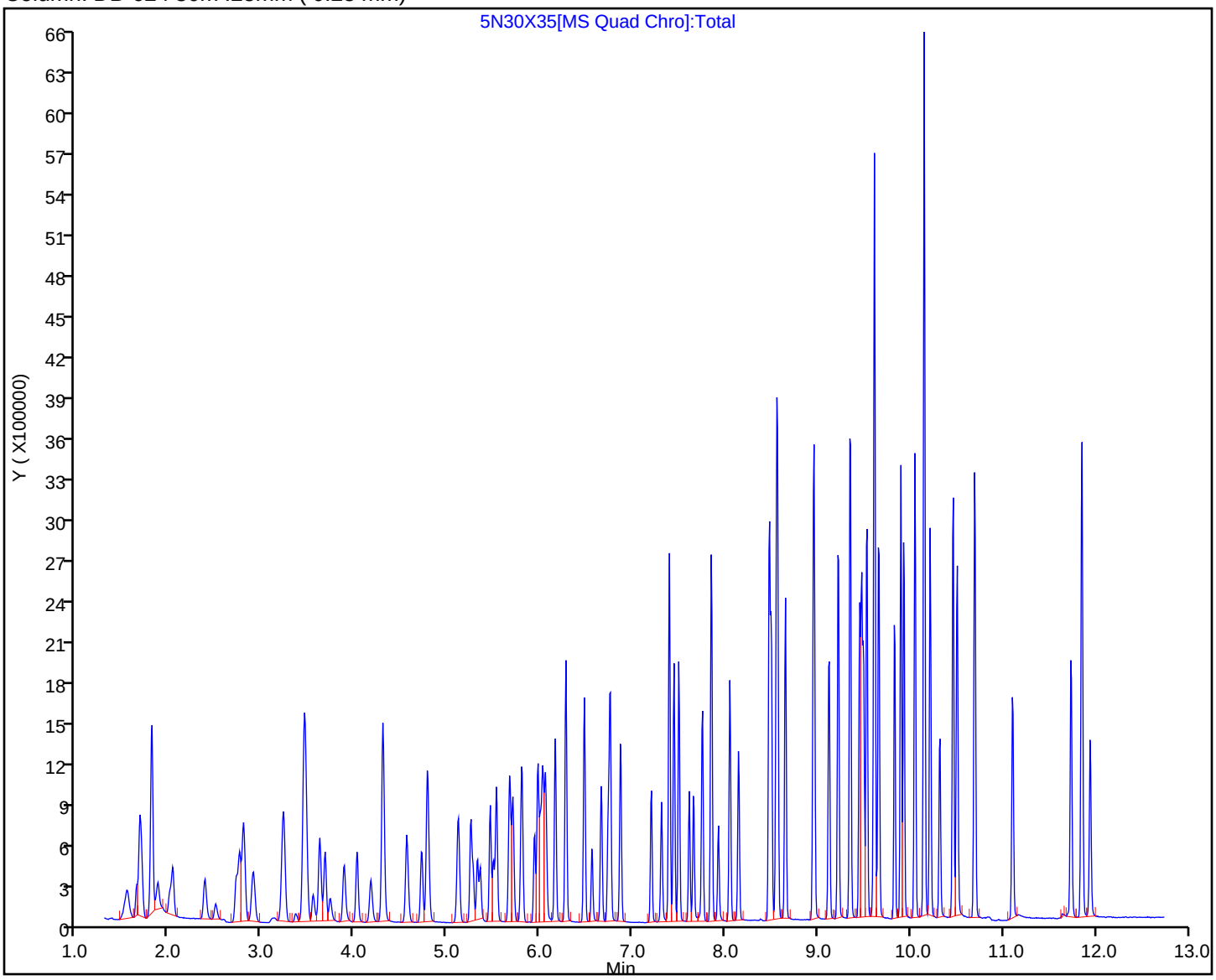
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 7

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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

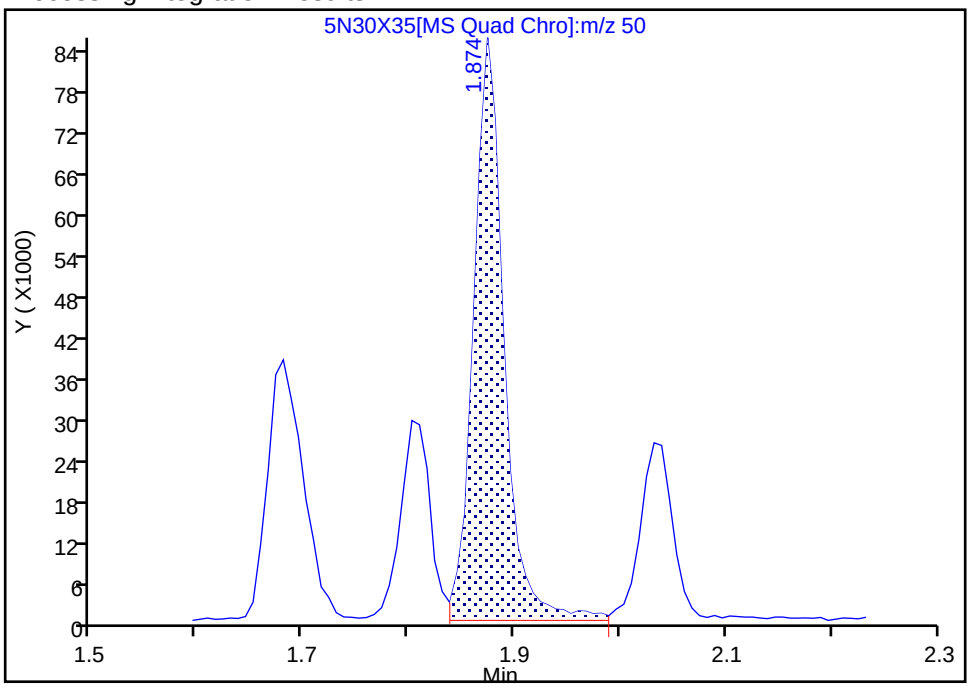
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X35.D				
Injection Date:	01-Dec-2021 03:12:53	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

Signal: 1

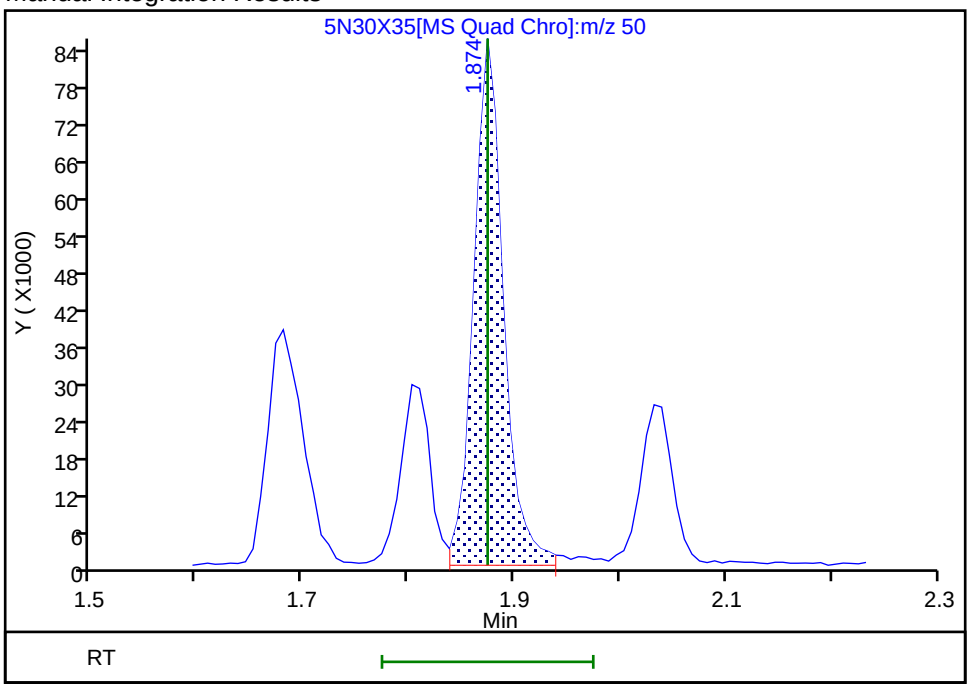
Processing Integration Results

RT: 1.87
Area: 170068
Amount: 4.210821
Amount Units: ppb v/v



Manual Integration Results

RT: 1.87
Area: 166458
Amount: 4.587791
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:19:35

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

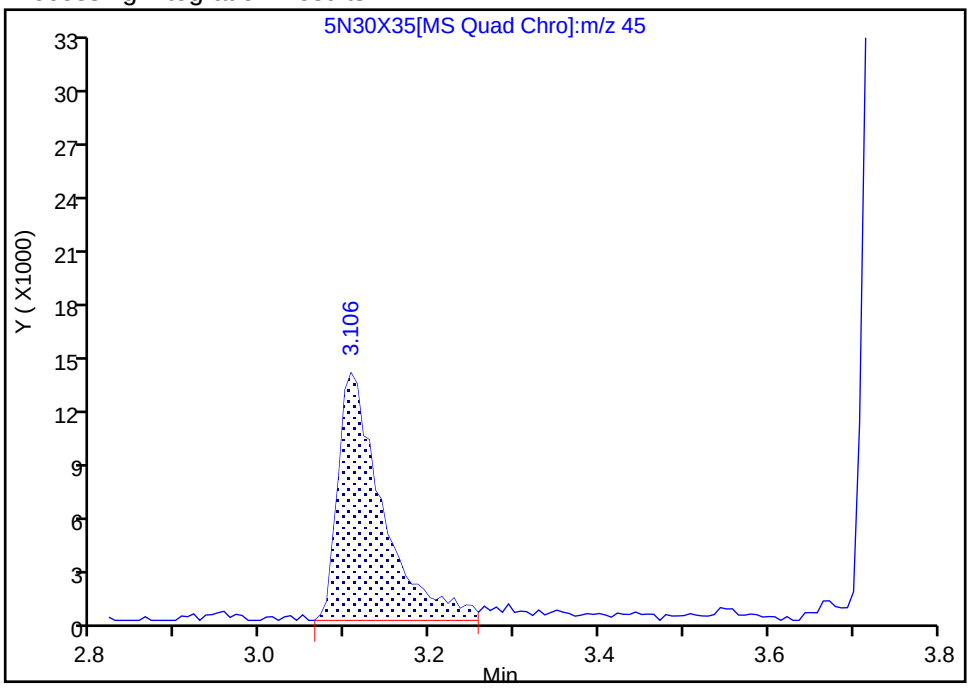
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X35.D				
Injection Date:	01-Dec-2021 03:12:53	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

14 Ethanol, CAS: 64-17-5

Signal: 1

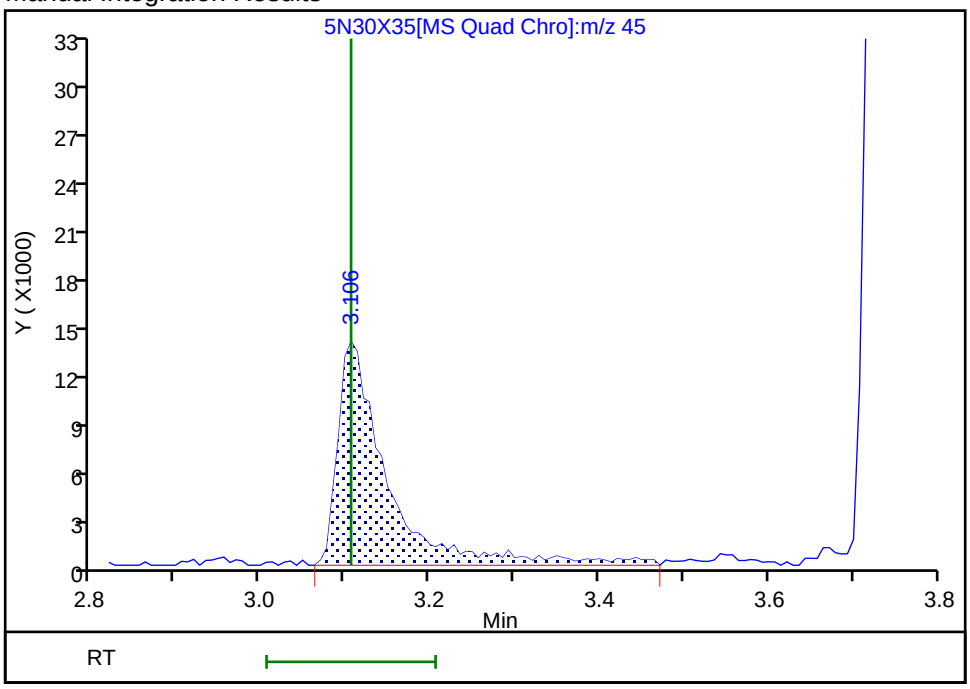
Processing Integration Results

RT: 3.11
Area: 50587
Amount: 3.534562
Amount Units: ppb v/v



Manual Integration Results

RT: 3.11
Area: 56104
Amount: 4.156882
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:31:38

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

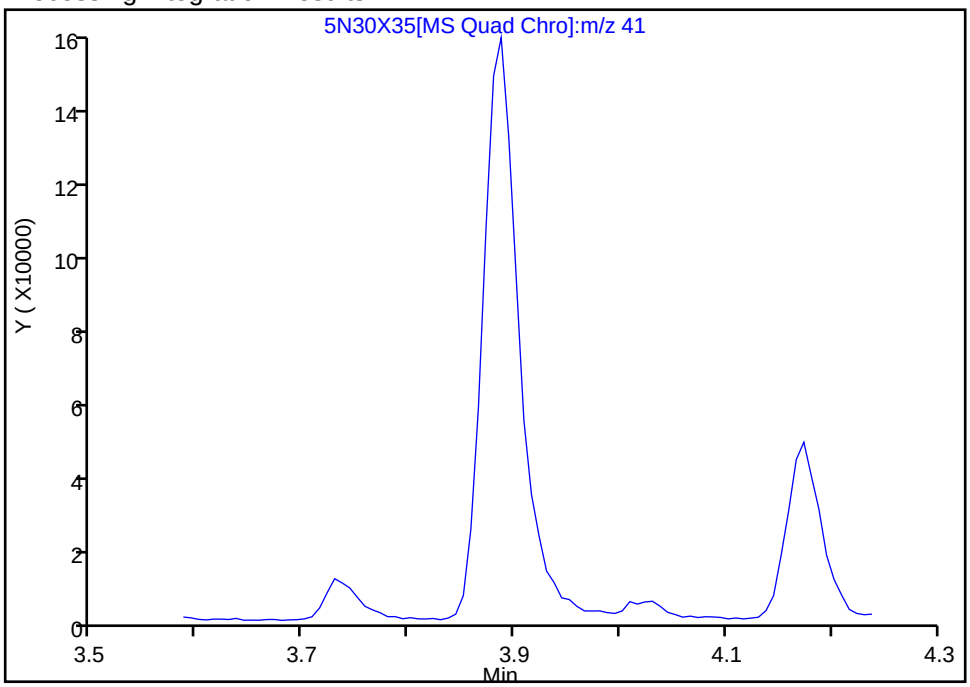
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X35.D				
Injection Date:	01-Dec-2021 03:12:53	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

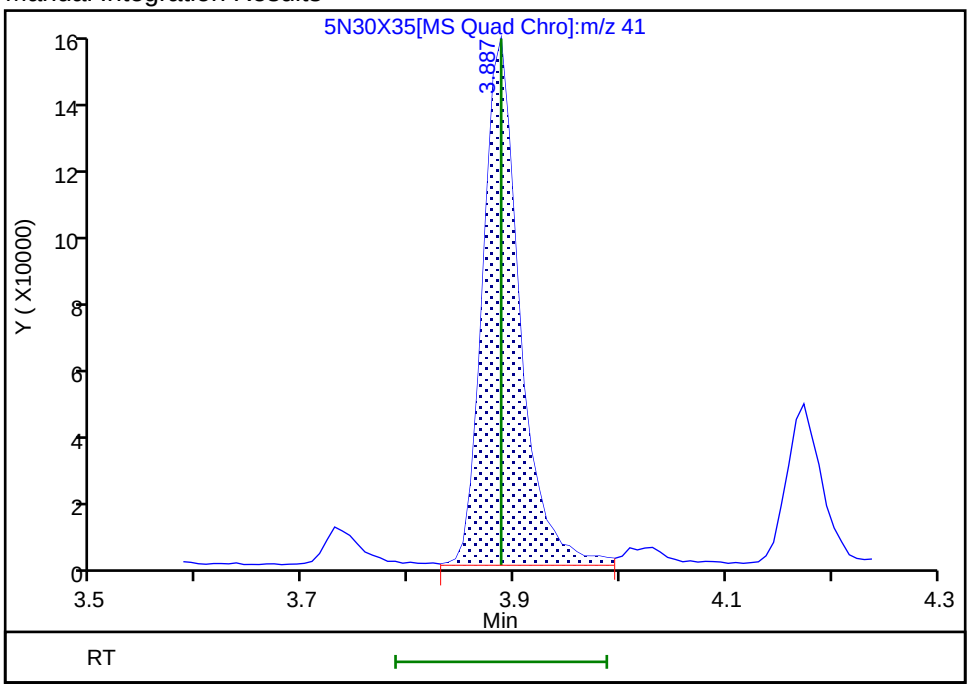
Not Detected
Expected RT: 3.89

Processing Integration Results



Manual Integration Results

RT: 3.89
Area: 380538
Amount: 4.685129
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:32:11
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

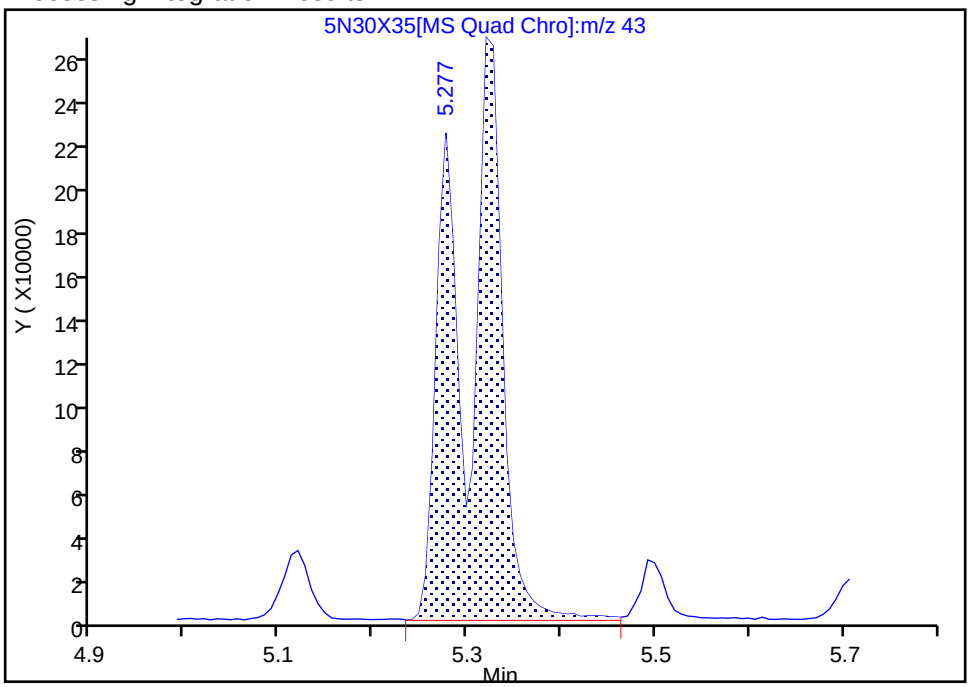
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X35.D				
Injection Date:	01-Dec-2021 03:12:53	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

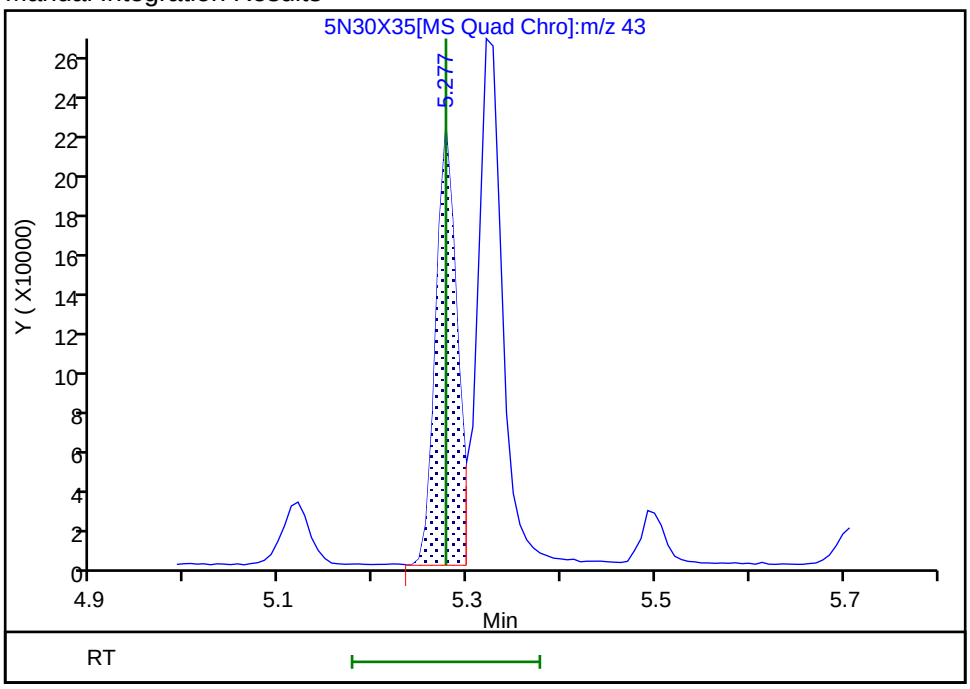
Processing Integration Results

RT: 5.28
Area: 819917
Amount: 5.112419
Amount Units: ppb v/v



Manual Integration Results

RT: 5.28
Area: 334532
Amount: 4.849542
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:32:32

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

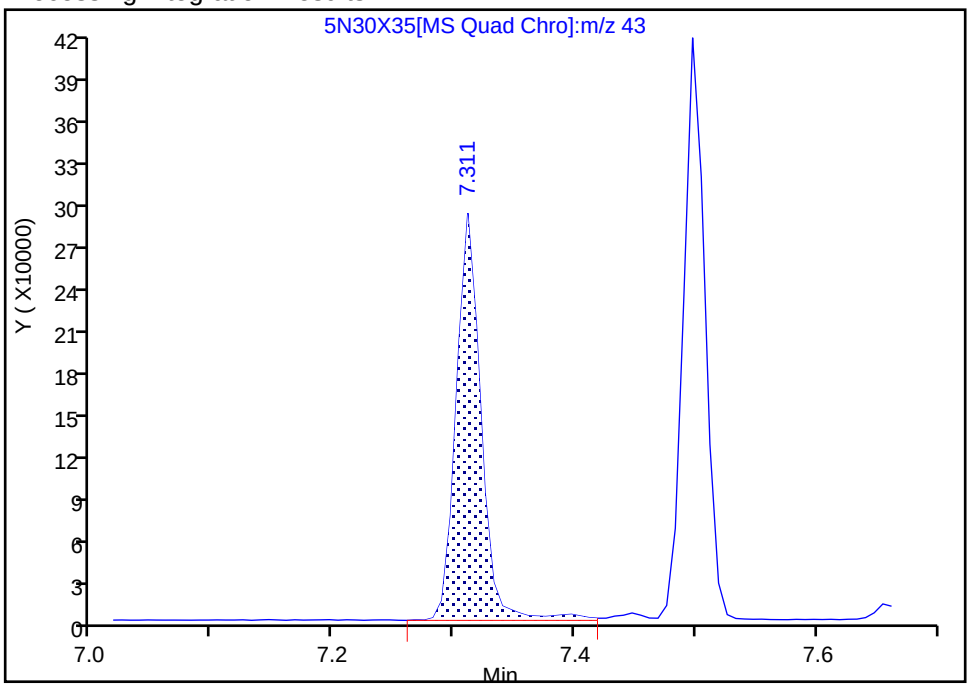
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X35.D				
Injection Date:	01-Dec-2021 03:12:53	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

58 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

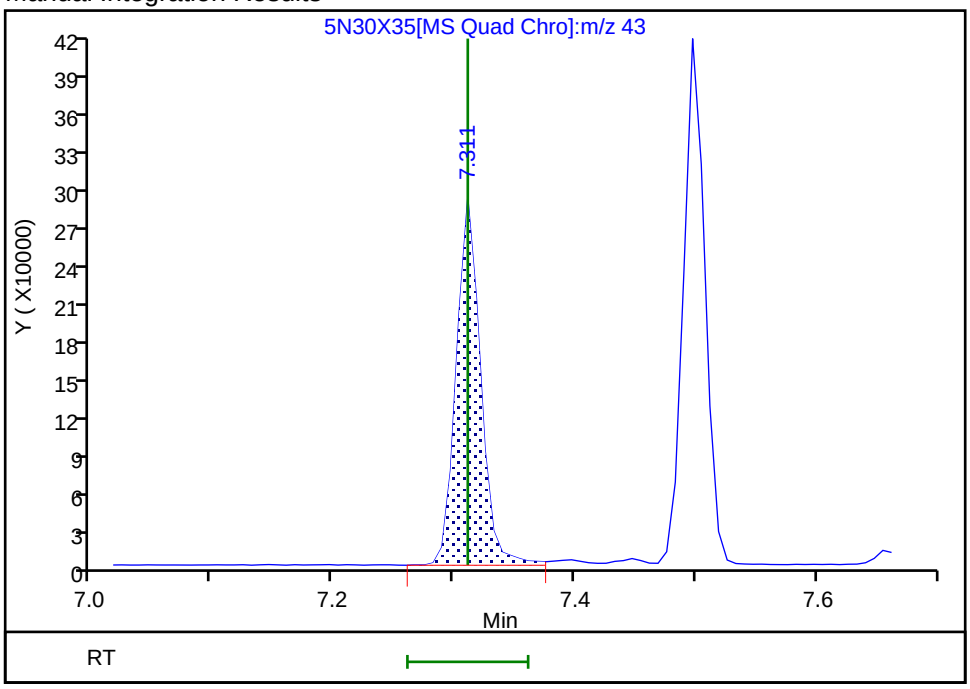
Processing Integration Results

RT: 7.31
Area: 413706
Amount: 4.989581
Amount Units: ppb v/v



Manual Integration Results

RT: 7.31
Area: 405641
Amount: 4.904238
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:33:47
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

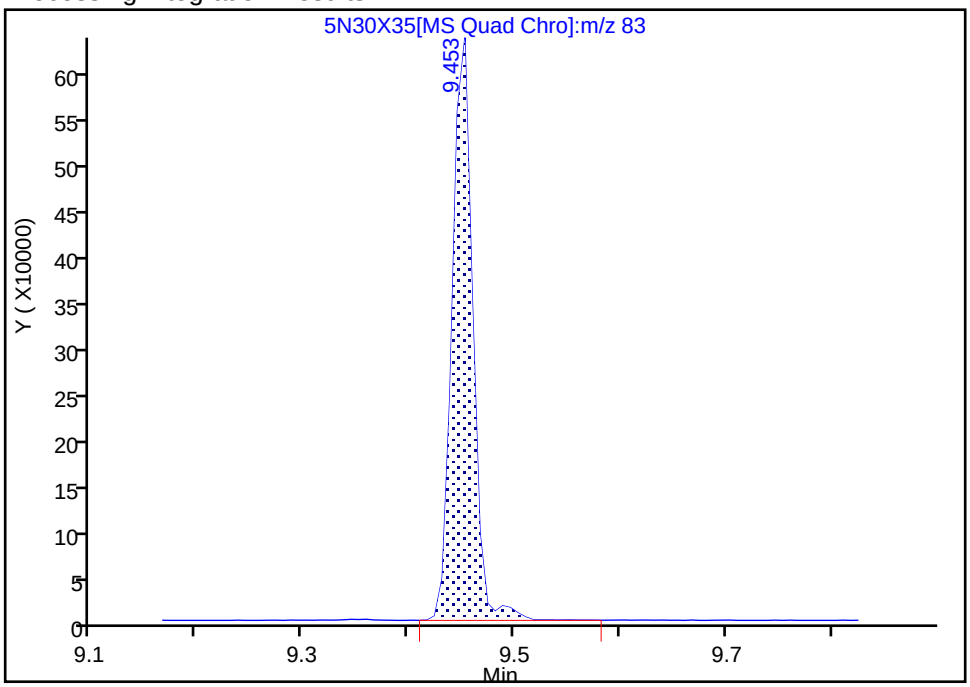
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X35.D				
Injection Date:	01-Dec-2021 03:12:53	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

77 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

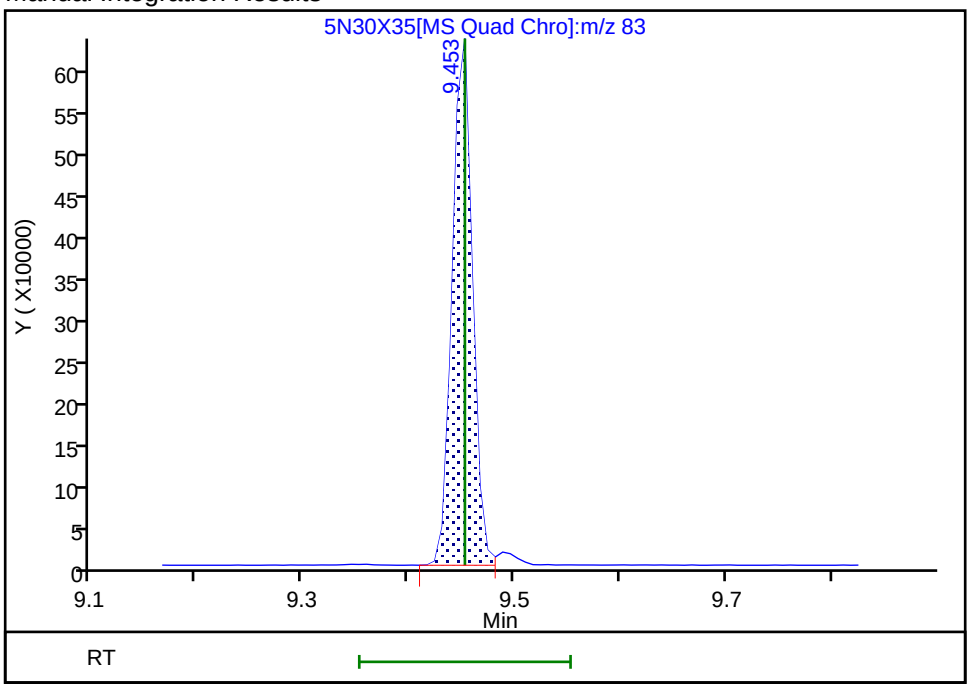
Processing Integration Results

RT: 9.45
Area: 860234
Amount: 4.849308
Amount Units: ppb v/v



Manual Integration Results

RT: 9.45
Area: 838404
Amount: 4.790511
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:41:28

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

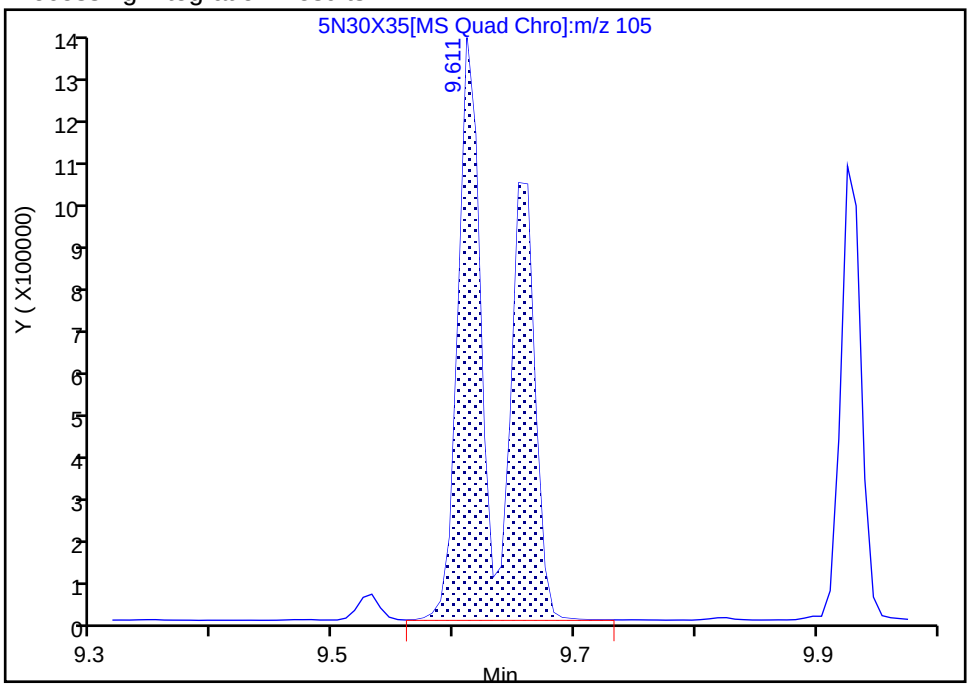
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X35.D				
Injection Date:	01-Dec-2021 03:12:53	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

81 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

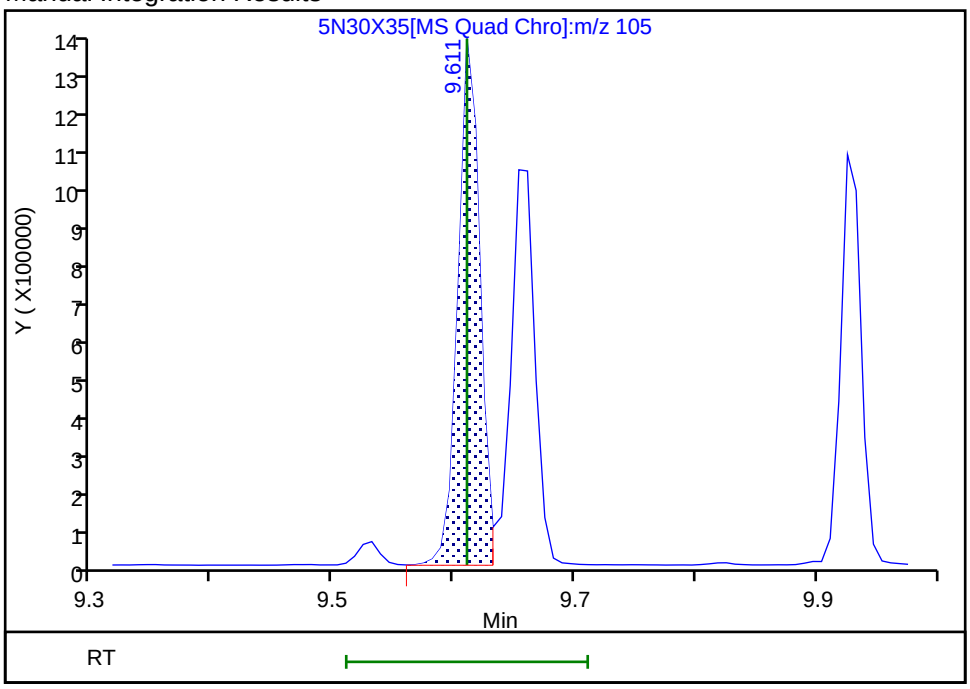
Processing Integration Results

RT: 9.61
Area: 2995564
Amount: 6.762113
Amount Units: ppb v/v



Manual Integration Results

RT: 9.61
Area: 1631817
Amount: 5.761768
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:41:37

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

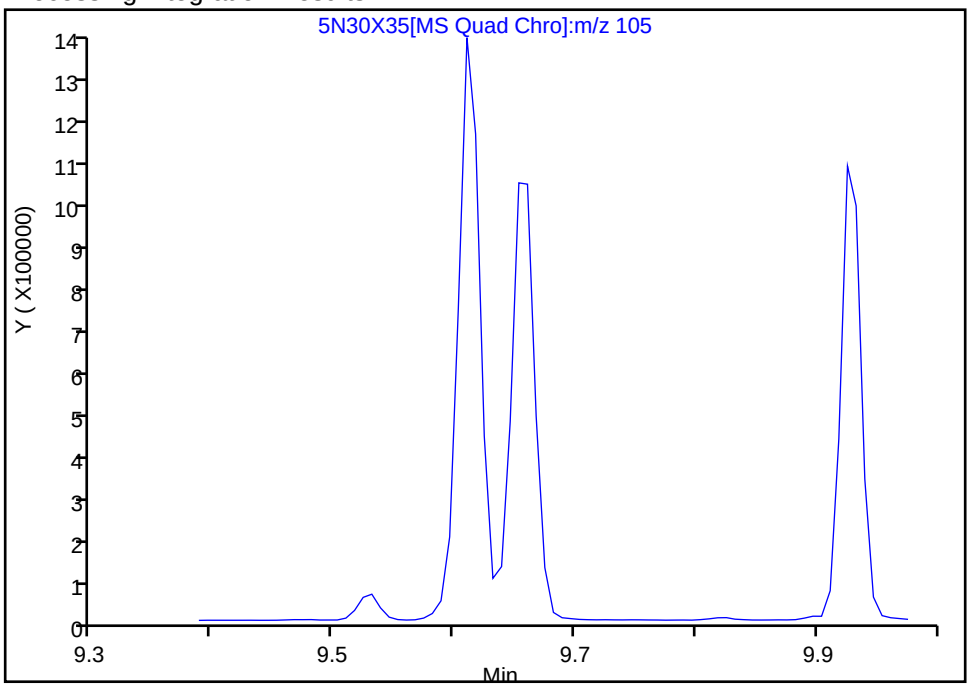
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X35.D				
Injection Date:	01-Dec-2021 03:12:53	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

83 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

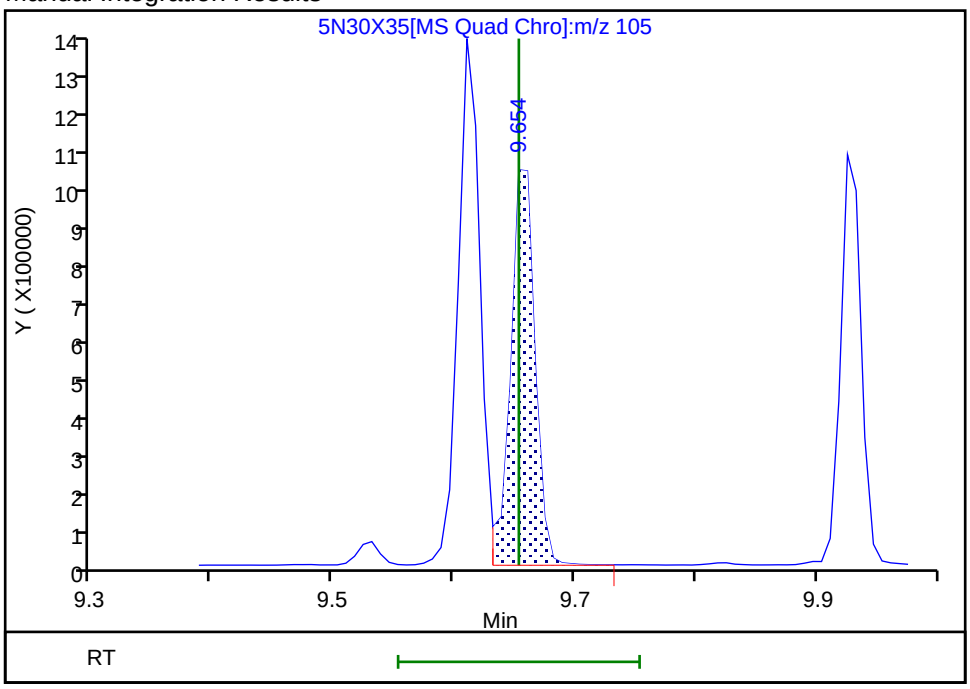
Not Detected
Expected RT: 9.65

Processing Integration Results



RT: 9.65
Area: 1363746
Amount: 5.601278
Amount Units: ppb v/v

Manual Integration Results



Reviewer: proctore, 01-Dec-2021 16:41:47
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

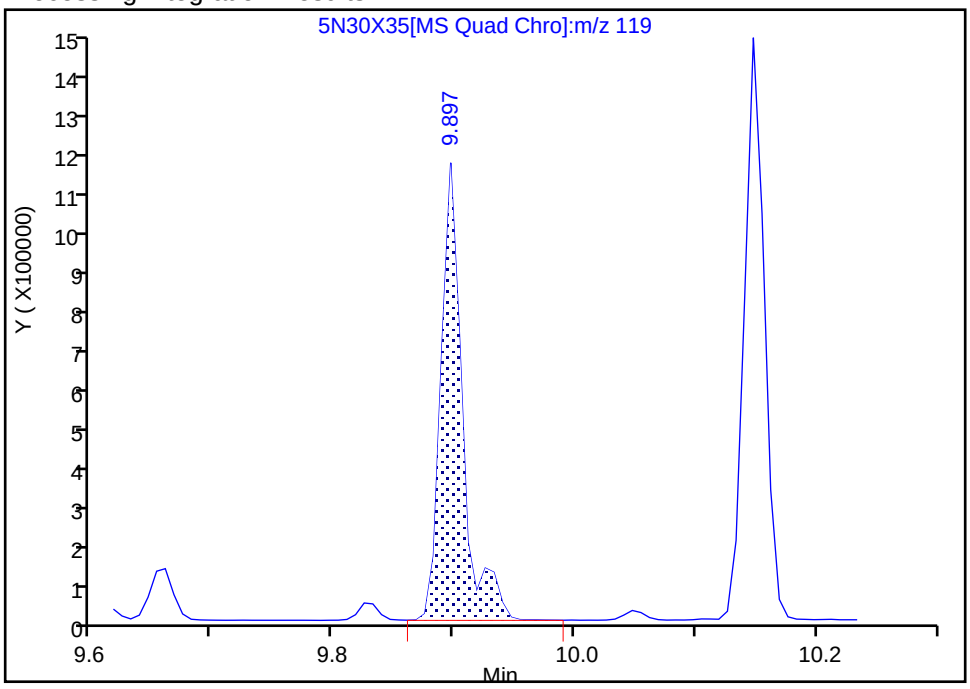
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X35.D				
Injection Date:	01-Dec-2021 03:12:53	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

85 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

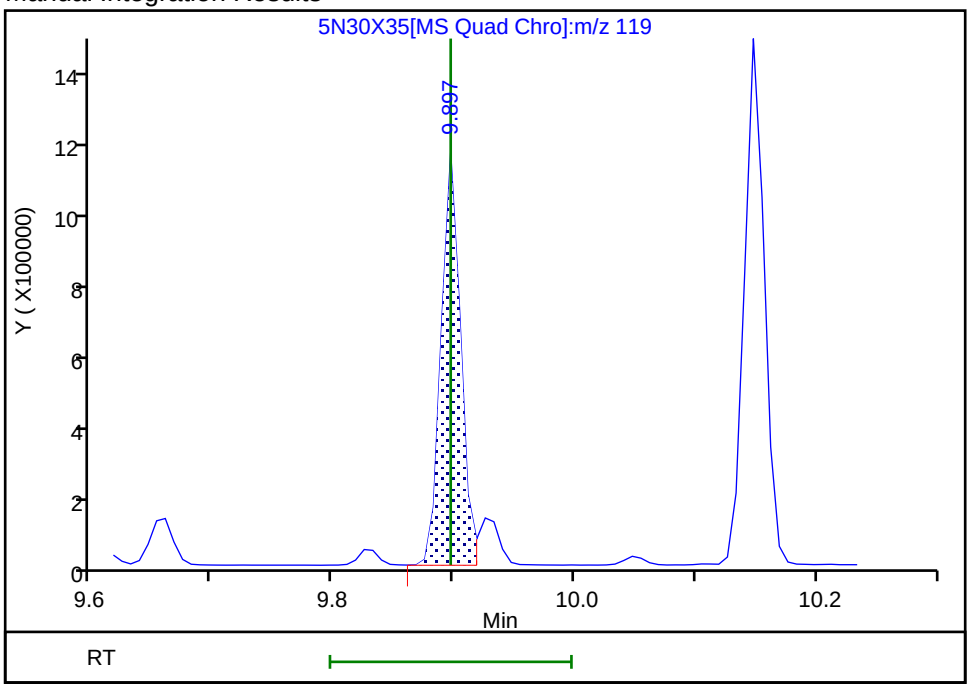
Processing Integration Results

RT: 9.90
Area: 1392004
Amount: 5.357151
Amount Units: ppb v/v



Manual Integration Results

RT: 9.90
Area: 1247026
Amount: 5.325455
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:41:59

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X36.D
Lims ID: ICISAV
Client ID:
Sample Type: ICISAV Calib Level: 6
Inject. Date: 01-Dec-2021 03:37:50 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: ICISAV
Misc. Info.: 410-0045222-008
Operator ID: etp33087 Instrument ID: HP22820
Sublist: chrom-AirMS_TO15_HP22820*sub1

Method: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 02-Dec-2021 12:35:23 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: kellerk Date: 02-Dec-2021 12:35:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	1.645	1.645	0.000	99	317123	10.0	9.87	
2 Dichlorodifluoromethane	85	1.681	1.681	0.000	99	1546642	10.0	10.4	
3 Chlorodifluoromethane	51	1.703	1.703	0.000	96	707942	10.0	10.1	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.810	1.810	0.000	95	1628554	10.0	10.3	
5 Chloromethane	50	1.874	1.874	0.000	98	300723	10.0	8.66	
6 Vinyl chloride	62	2.003	2.003	0.000	98	506195	10.0	10.3	
7 Butadiene	54	2.039	2.039	0.000	88	364872	10.0	10.7	
8 Bromomethane	94	2.383	2.383	0.000	90	518135	10.0	9.97	
9 Chloroethane	64	2.505	2.505	0.000	99	283646	10.0	8.85	
10 Vinyl bromide	106	2.727	2.727	0.000	98	569864	10.0	10.7	
11 Dichlorofluoromethane	67	2.763	2.763	0.000	96	1167429	10.0	10.5	
12 Trichlorofluoromethane	101	2.798	2.798	0.000	98	1678853	10.0	10.2	
13 Pentane	43	2.906	2.906	0.000	95	703802	10.0	11.0	
14 Ethanol	45	3.114	3.114	0.000	99	112724	10.0	8.73	M
15 Acrolein	56	3.364	3.364	0.000	99	159387	10.0	10.9	
16 1,1-Dichloroethene	61	3.450	3.450	0.000	95	814262	10.0	11.1	
17 112TCTFE	103	3.465	3.465	0.000	91	890115	10.0	10.2	
18 Acetone	43	3.551	3.551	0.000	99	603911	10.0	9.96	
19 Iodomethane	142	3.622	3.622	0.000	99	1500216	10.0	9.43	
20 Carbon disulfide	76	3.680	3.680	0.000	98	1594503	10.0	10.7	
21 Isopropyl alcohol	45	3.737	3.737	0.000	97	510657	10.0	10.1	
23 Acetonitrile	41	3.887	3.887	0.000	87	801908	10.0	10.3	
22 3-Chloro-1-propene	41	3.887	3.887	0.000	95	801908	10.0	10.3	a
24 Methylene Chloride	84	4.030	4.030	0.000	84	531968	10.0	10.3	
25 2-Methyl-2-propanol	59	4.174	4.174	0.000	96	732436	10.0	10.5	
26 trans-1,2-Dichloroethene	61	4.303	4.303	0.000	95	739889	10.0	10.9	
27 Methyl tert-butyl ether	73	4.303	4.303	0.000	95	1374708	10.0	11.5	
28 Acrylonitrile	53	4.310	4.310	0.000	98	387413	10.0	10.8	
29 Hexane	56	4.568	4.568	0.000	89	379812	10.0	10.9	
30 1,1-Dichloroethane	63	4.725	4.725	0.000	96	964183	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Vinyl acetate	43	4.783	4.783	0.000	98	1765168	10.0	11.4	
31 Isopropyl ether	45	4.790	4.790	0.000	83	1422012	10.0	11.6	
33 Tert-butyl ethyl ether	59	5.119	5.119	0.000	95	1331129	10.0	11.5	
34 cis-1,2-Dichloroethene	61	5.255	5.255	0.000	74	695045	10.0	10.8	
35 2-Butanone (MEK)	43	5.277	5.277	0.000	100	718003	10.0	10.9	M
36 Ethyl acetate	43	5.327	5.327	0.000	97	995553	10.0	10.6	
37 Methyl acrylate	55	5.356	5.356	0.000	99	792824	10.0	11.3	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	83	279963	10.0	10.0	
39 Tetrahydrofuran	42	5.499	5.499	0.000	82	457421	10.0	10.7	
40 Chloroform	83	5.528	5.528	0.000	92	1299344	10.0	10.3	
41 1,1,1-Trichloroethane	97	5.671	5.671	0.000	97	1300209	10.0	10.5	
42 Cyclohexane	56	5.707	5.707	0.000	85	737899	10.0	11.4	
43 Carbon tetrachloride	117	5.807	5.807	0.000	96	1374670	10.0	10.4	
44 Benzene	78	5.979	5.979	0.000	94	1786211	10.0	9.51	
45 1,2-Dichloroethane	62	6.000	6.000	0.000	98	765848	10.0	9.80	
46 Isooctane	57	6.029	6.029	0.000	95	2256395	10.0	11.3	
47 Tert-amyl methyl ether	73	6.058	6.058	0.000	97	1362915	10.0	11.2	
48 n-Heptane	71	6.165	6.165	0.000	85	604378	10.0	11.0	
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	93	1308449	10.0	10.0	
50 Trichloroethene	130	6.480	6.480	0.000	95	970458	10.0	9.89	
51 Ethyl acrylate	55	6.559	6.559	0.000	99	940094	10.0	10.8	
52 1,2-Dichloropropane	63	6.659	6.659	0.000	96	605709	10.0	9.75	
53 Methyl methacrylate	69	6.738	6.738	0.000	84	560326	10.0	11.1	
54 Dibromomethane	174	6.760	6.760	0.000	93	940484	10.0	9.82	
55 1,4-Dioxane	88	6.760	6.760	0.000	88	377935	10.0	10.1	
56 Dichlorobromomethane	83	6.867	6.867	0.000	99	1352517	10.0	10.0	
57 cis-1,3-Dichloropropene	75	7.204	7.204	0.000	98	989935	10.0	10.6	
58 4-Methyl-2-pentanone (MIBK)	43	7.311	7.311	0.000	94	909659	10.0	10.9	M
59 Toluene	91	7.447	7.447	0.000	99	2278198	10.0	10.2	
60 n-Octane	43	7.497	7.497	0.000	77	1089562	10.0	10.9	
61 trans-1,3-Dichloropropene	75	7.612	7.612	0.000	89	883643	10.0	10.8	
62 Ethyl methacrylate	69	7.655	7.655	0.000	86	929837	10.0	11.7	
63 1,1,2-Trichloroethane	97	7.755	7.755	0.000	90	825442	10.0	9.71	
64 Tetrachloroethene	166	7.848	7.848	0.000	98	1392791	10.0	9.87	
65 2-Hexanone	43	7.927	7.927	0.000	93	739834	10.0	10.6	
66 Chlorodibromomethane	127	8.049	8.049	0.000	89	1206129	10.0	10.3	
67 Ethylene Dibromide	107	8.142	8.142	0.000	99	1332852	10.0	10.1	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	82	1404741	10.0	10.0	
69 Chlorobenzene	112	8.500	8.500	0.000	98	2004309	10.0	9.95	
70 1,1,1,2-Tetrachloroethane	131	8.558	8.558	0.000	96	1144505	10.0	10.1	
71 Ethylbenzene	91	8.565	8.565	0.000	97	2985231	10.0	11.4	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	98	2295140	10.0	11.5	
73 o-Xylene	91	8.952	8.952	0.000	95	2264424	10.0	11.8	
74 Styrene	104	8.959	8.959	0.000	95	1844585	10.0	12.0	
75 Bromoform	173	9.123	9.123	0.000	98	1604948	10.0	10.1	
76 Isopropylbenzene	105	9.224	9.224	0.000	95	3329078	10.0	12.2	
77 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	94	1699890	10.0	9.56	M
78 Bromobenzene	156	9.474	9.474	0.000	82	1274926	10.0	9.99	
79 1,2,3-Trichloropropane	110	9.496	9.496	0.000	81	578488	10.0	9.70	
80 N-Propylbenzene	120	9.532	9.532	0.000	98	1008640	10.0	11.1	
82 2-Chlorotoluene	126	9.610	9.610	0.000	96	925180	10.0	10.6	
81 4-Ethyltoluene	105	9.610	9.610	0.000	90	3384959	10.0	11.8	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 1,3,5-Trimethylbenzene	105	9.653	9.653	0.000	95	2822865	10.0	11.4	Ma
84 Alpha Methyl Styrene	118	9.825	9.825	0.000	89	1323001	10.0	11.7	
85 tert-Butylbenzene	119	9.904	9.904	0.000	89	2797975	10.0	11.8	M
86 1,2,4-Trimethylbenzene	105	9.933	9.933	0.000	97	2708343	10.0	11.9	
87 sec-Butylbenzene	105	10.062	10.062	0.000	93	4020213	10.0	12.1	
89 4-Isopropyltoluene	119	10.162	10.162	0.000	96	3545327	10.0	12.4	
88 1,3-Dichlorobenzene	146	10.169	10.169	0.000	74	2112332	10.0	10.1	
90 1,4-Dichlorobenzene	146	10.234	10.234	0.000	96	2122516	10.0	10.1	
91 Benzyl chloride	126	10.334	10.334	0.000	97	447219	10.0	10.7	
92 n-Butylbenzene	92	10.477	10.477	0.000	97	1725433	10.0	12.3	
93 1,2-Dichlorobenzene	146	10.520	10.520	0.000	99	1982349	10.0	10.1	
94 Hexachloroethane	117	10.706	10.706	0.000	94	1116534	10.0	9.84	
95 1,2-Dibromo-3-Chloropropane	157	11.115	11.115	0.000	94	1022767	10.0	10.0	
96 1,2,4-Trichlorobenzene	180	11.745	11.745	0.000	94	1316144	10.0	9.73	
97 Hexachlorobutadiene	225	11.860	11.860	0.000	98	1266172	10.0	9.68	
98 Naphthalene	128	11.946	11.946	0.000	96	2368603	10.0	10.7	
S 101 1,2-Dichloroethene, Total	61				0	1434934	20.0	21.7	
S 102 1,3-Dichloropropene, Total	75				0	1873578	20.0	21.5	
S 104 Xylenes, Total	91				0	4559564	20.0	23.3	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRCAL10.0_00149	Amount Added: 200.00	Units: mL	
AIRIS200 ppb_00080	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 02-Dec-2021 12:35:23 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X36.D

Injection Date: 01-Dec-2021 03:37:50 Instrument ID: HP22820

Lims ID: ICISAV

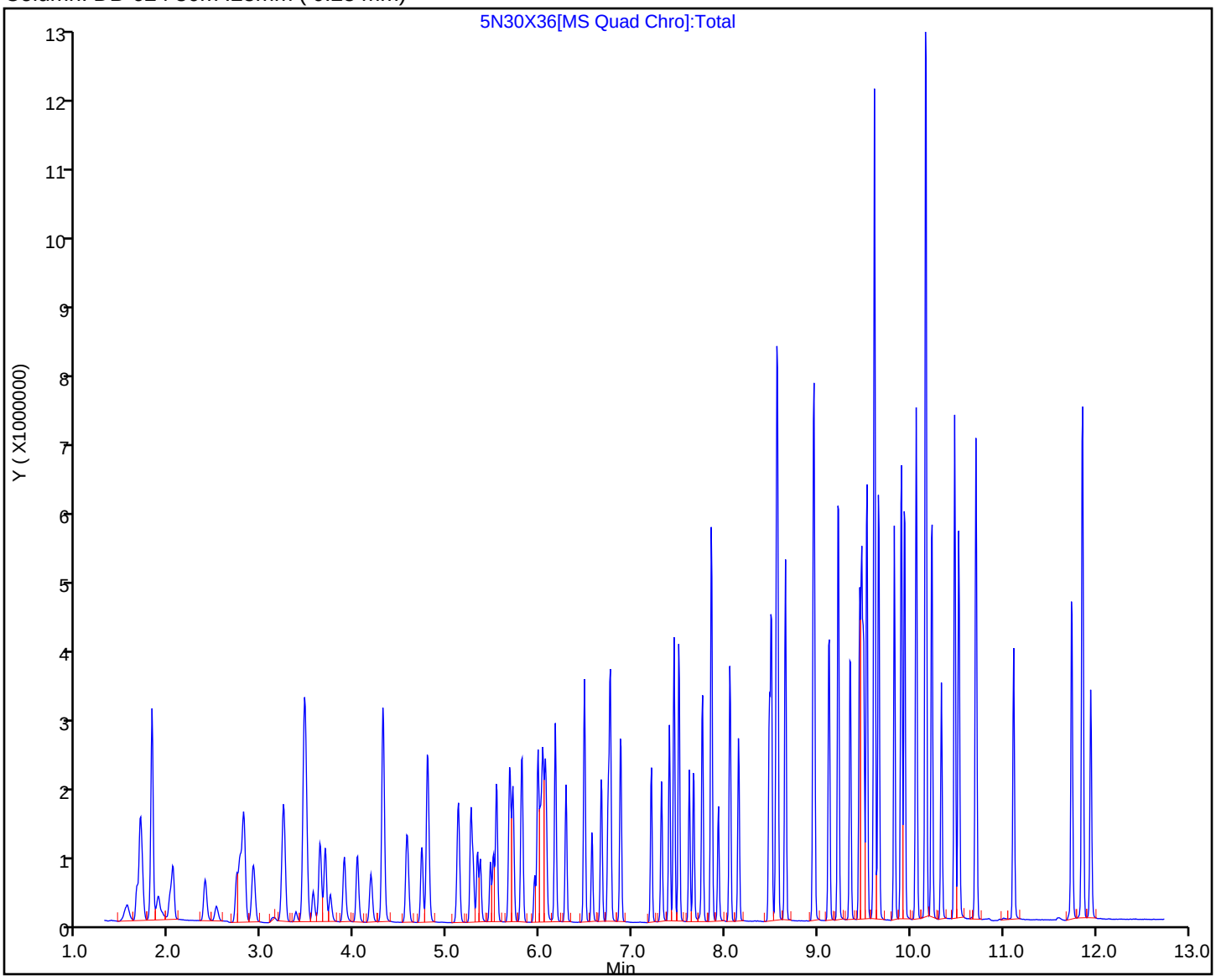
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 8

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 Env, LLC

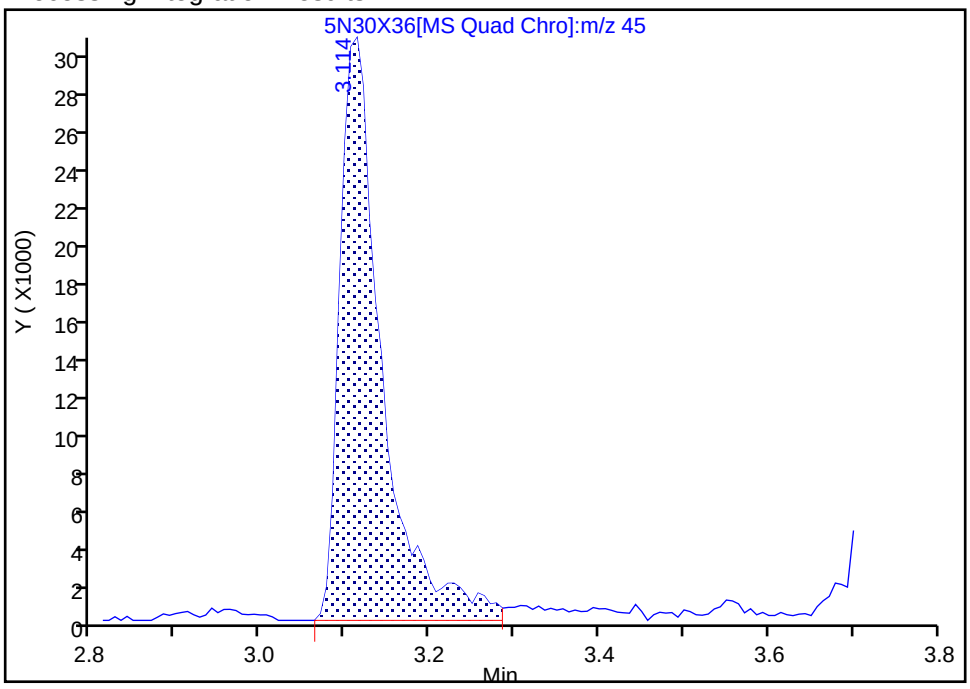
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X36.D				
Injection Date:	01-Dec-2021 03:37:50	Instrument ID:	HP22820		
Lims ID:	ICISAV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

14 Ethanol, CAS: 64-17-5

Signal: 1

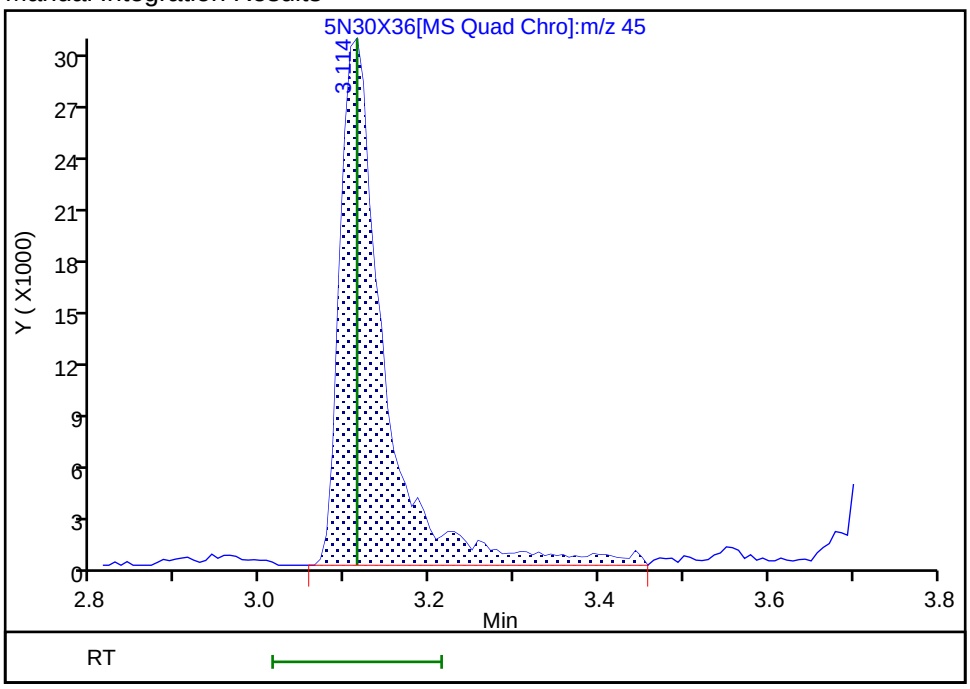
Processing Integration Results

RT: 3.11
Area: 106751
Amount: 7.834624
Amount Units: ppb v/v



Manual Integration Results

RT: 3.11
Area: 112724
Amount: 8.725021
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:24:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

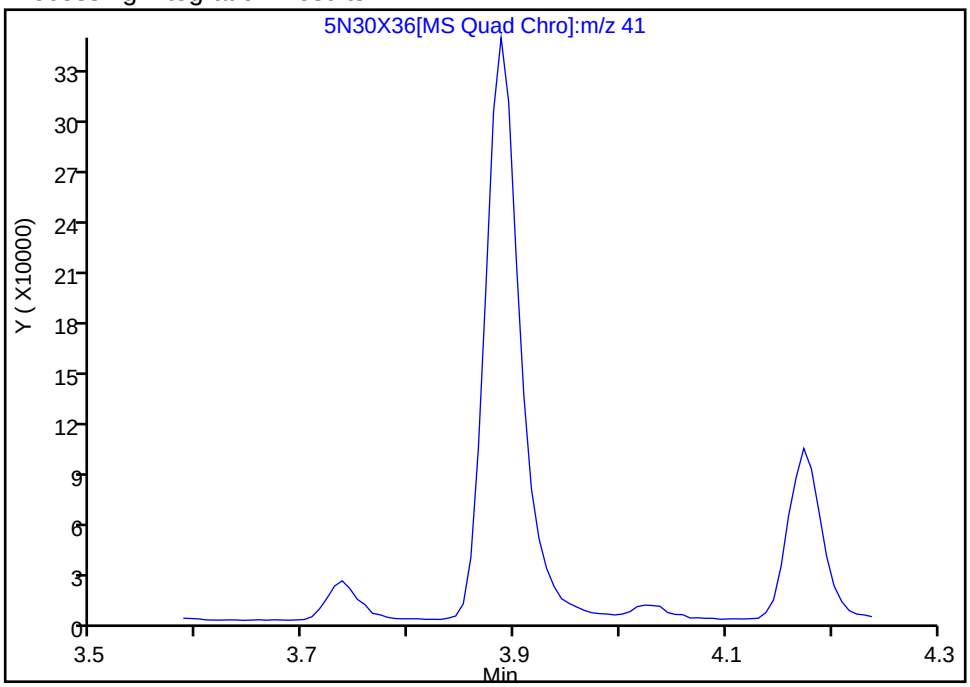
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X36.D				
Injection Date:	01-Dec-2021 03:37:50	Instrument ID:	HP22820		
Lims ID:	ICISAV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

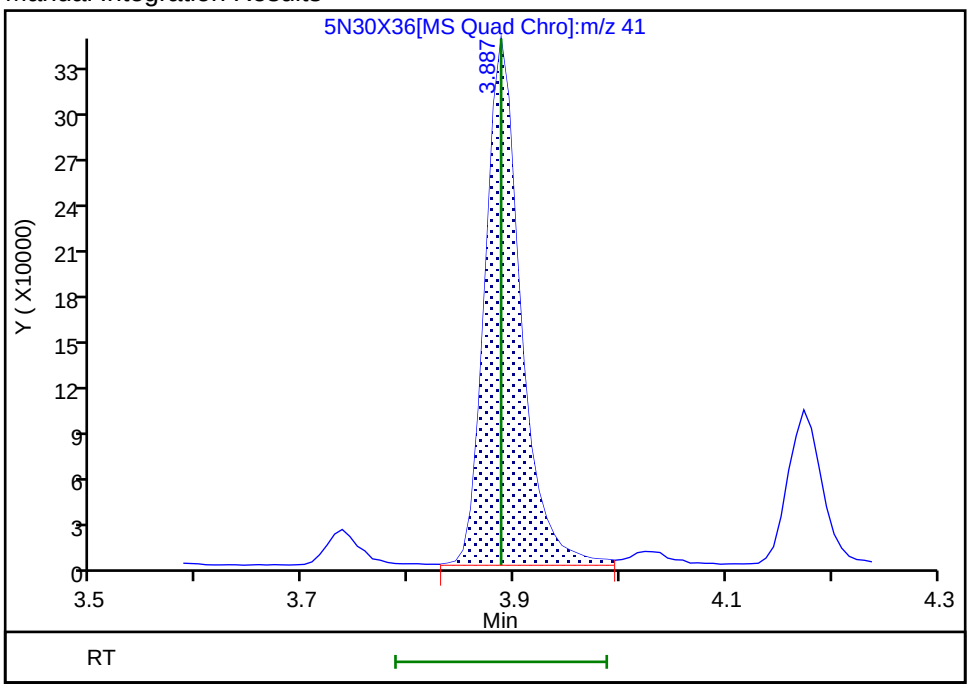
Not Detected
Expected RT: 3.89

Processing Integration Results



Manual Integration Results

RT: 3.89
Area: 801908
Amount: 10.313933
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:24:46
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

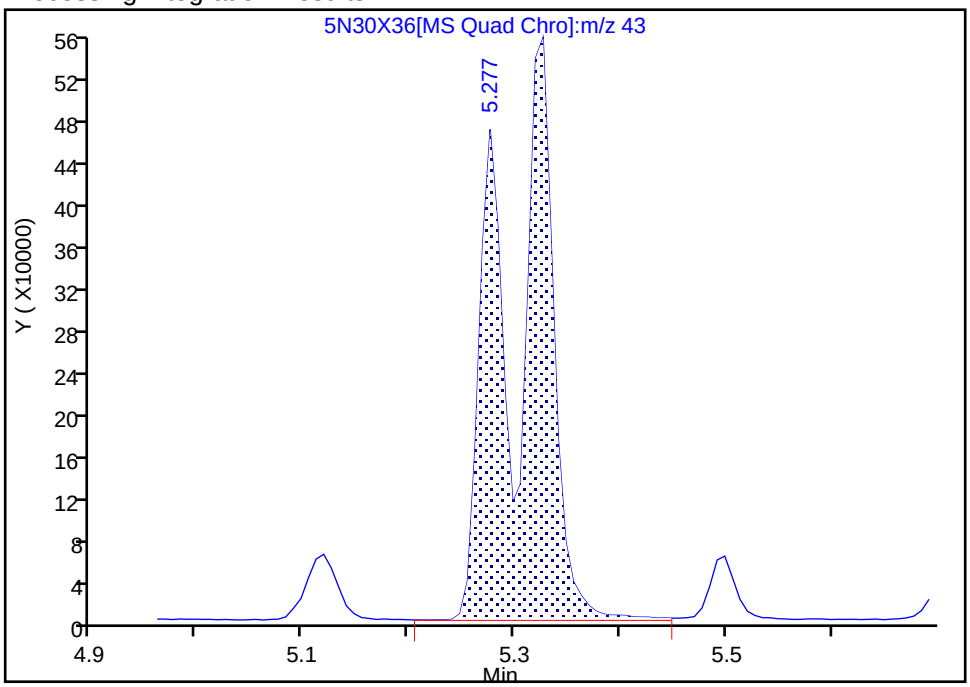
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X36.D				
Injection Date:	01-Dec-2021 03:37:50	Instrument ID:	HP22820		
Lims ID:	ICISAV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

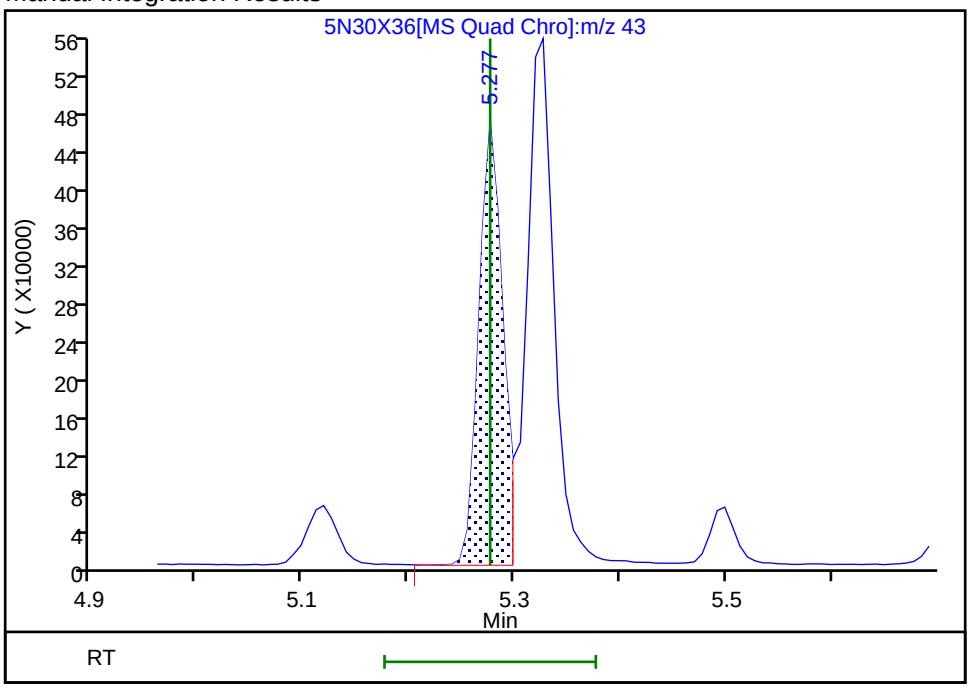
Processing Integration Results

RT: 5.28
Area: 1713557
Amount: 10.324795
Amount Units: ppb v/v



Manual Integration Results

RT: 5.28
Area: 718003
Amount: 10.873404
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:25:08

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

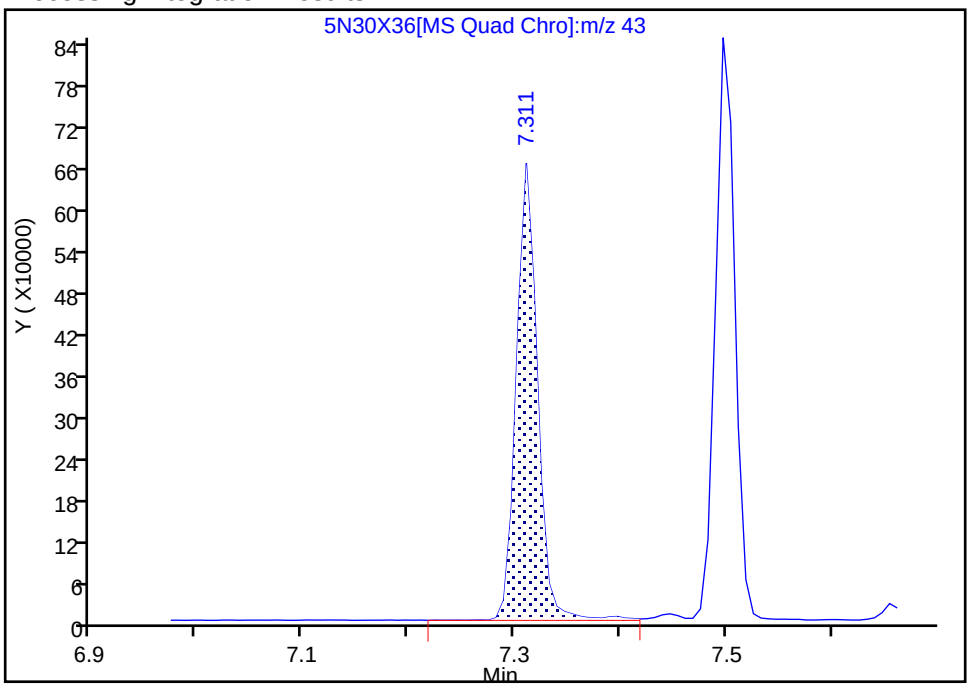
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X36.D				
Injection Date:	01-Dec-2021 03:37:50	Instrument ID:	HP22820		
Lims ID:	ICISAV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

58 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

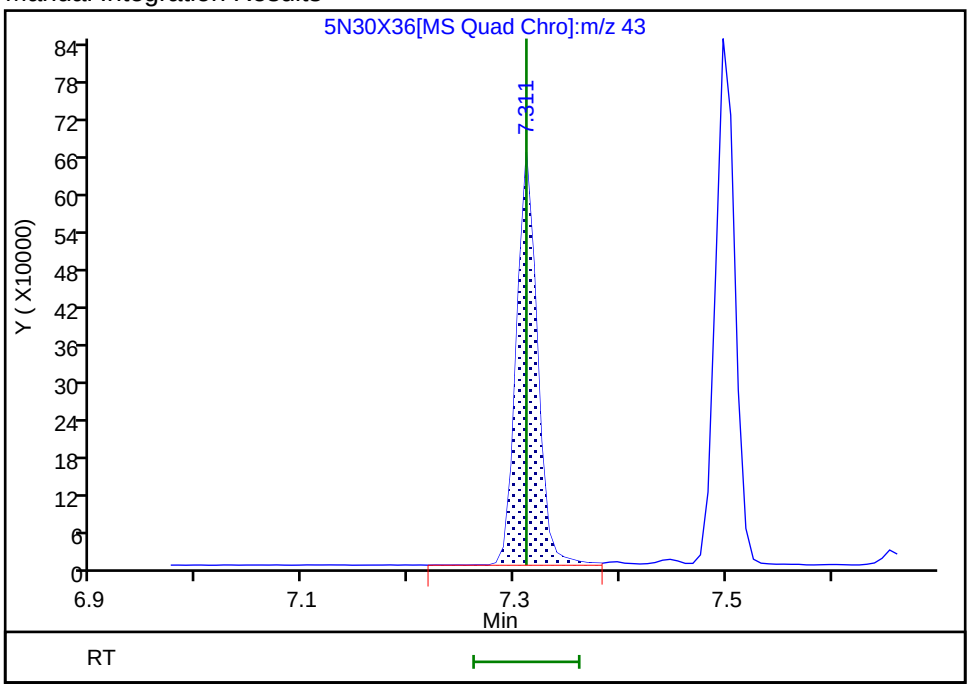
Processing Integration Results

RT: 7.31
Area: 917941
Amount: 10.933567
Amount Units: ppb v/v



Manual Integration Results

RT: 7.31
Area: 909659
Amount: 10.874742
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:25:33
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

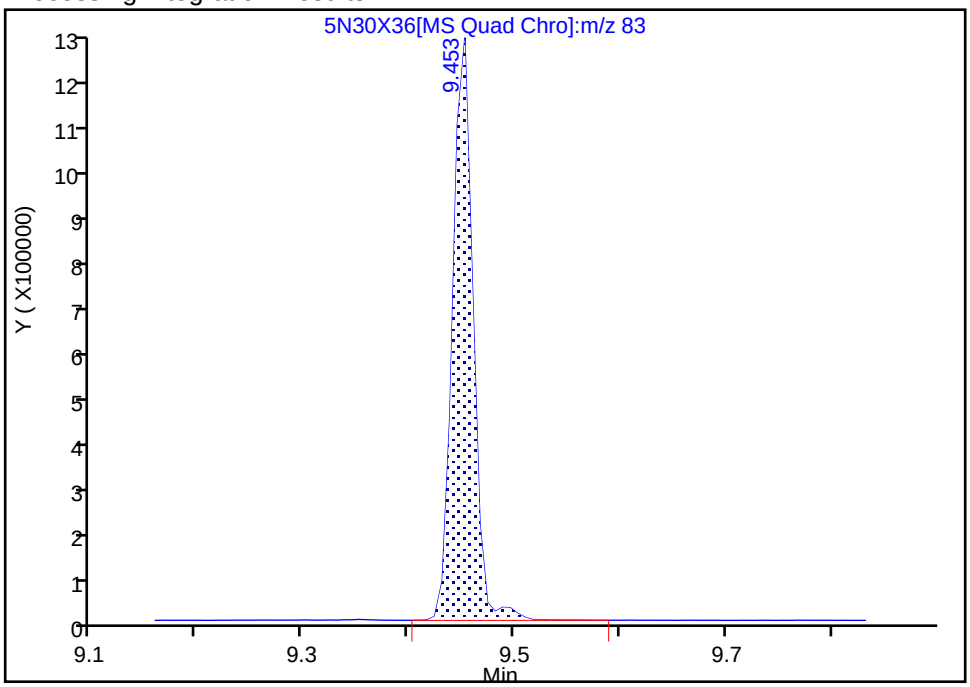
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X36.D				
Injection Date:	01-Dec-2021 03:37:50	Instrument ID:	HP22820		
Lims ID:	ICISAV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

77 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

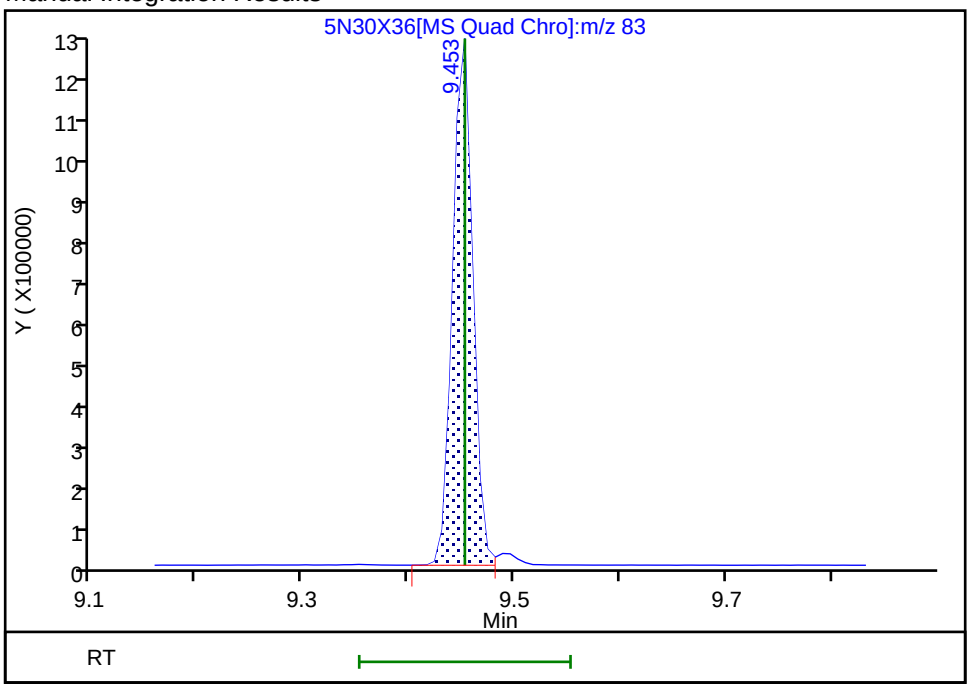
Processing Integration Results

RT: 9.45
Area: 1741300
Amount: 9.630399
Amount Units: ppb v/v



Manual Integration Results

RT: 9.45
Area: 1699890
Amount: 9.556568
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:28:07

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

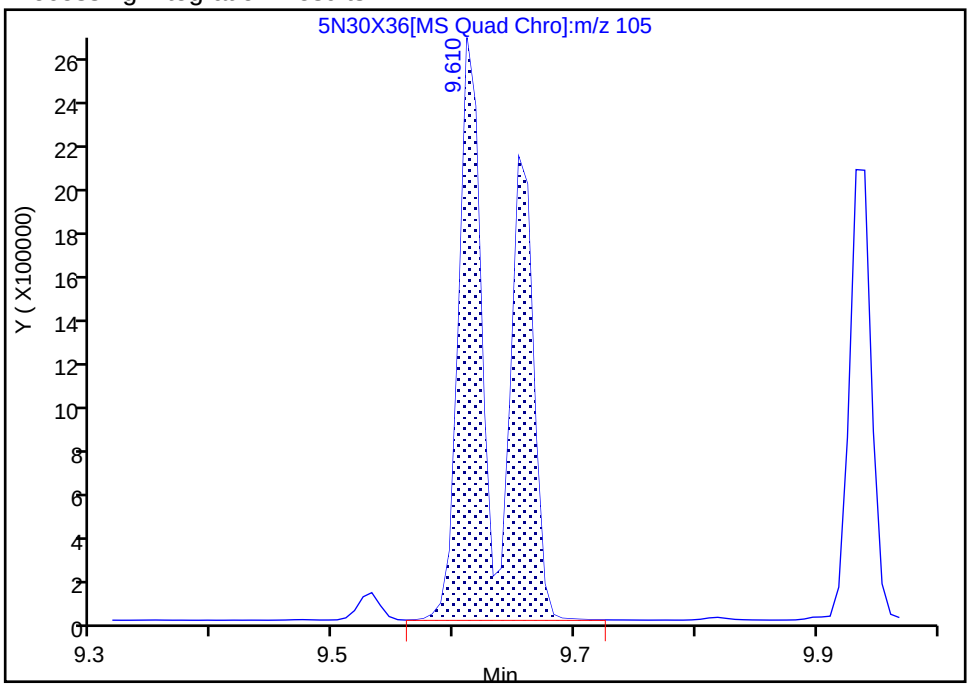
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X36.D				
Injection Date:	01-Dec-2021 03:37:50	Instrument ID:	HP22820		
Lims ID:	ICISAV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

81 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

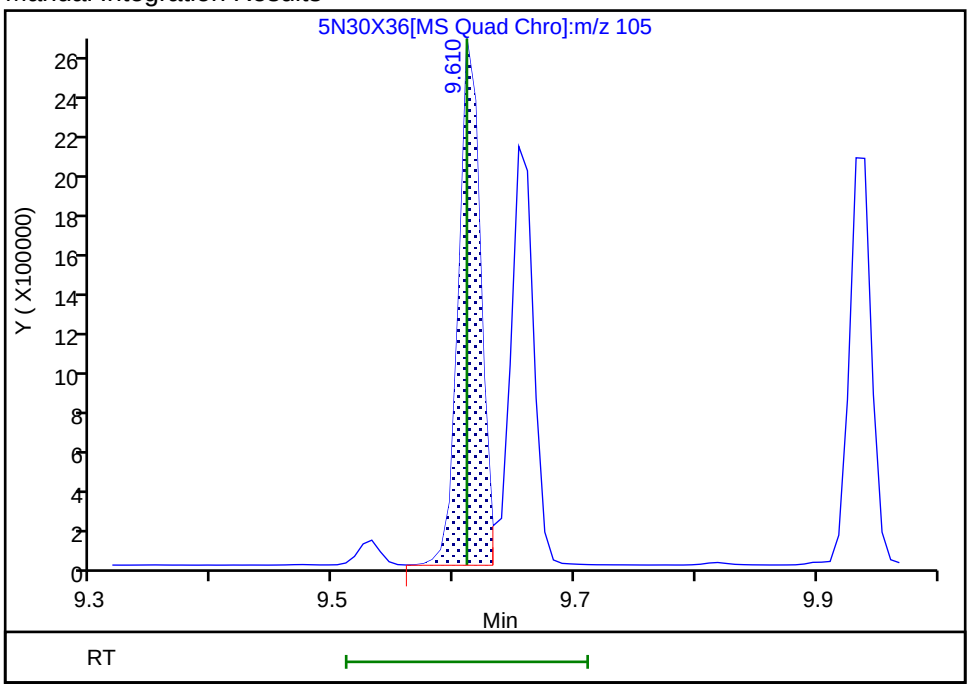
Processing Integration Results

RT: 9.61
Area: 6207825
Amount: 12.785793
Amount Units: ppb v/v



Manual Integration Results

RT: 9.61
Area: 3384959
Amount: 11.759540
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:29:32

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

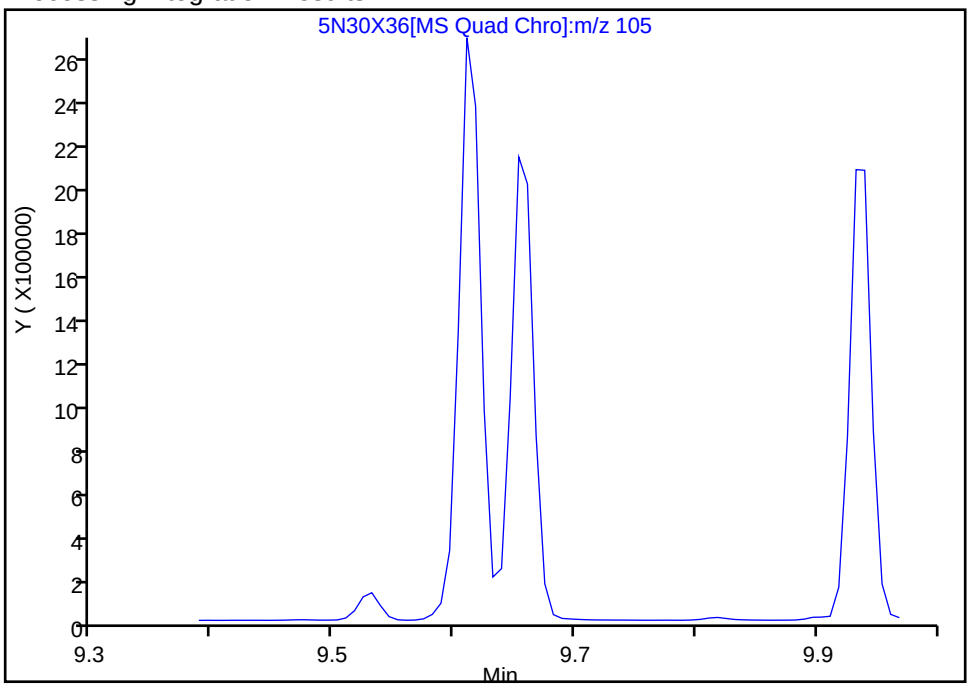
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X36.D				
Injection Date:	01-Dec-2021 03:37:50	Instrument ID:	HP22820		
Lims ID:	ICISAV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

83 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

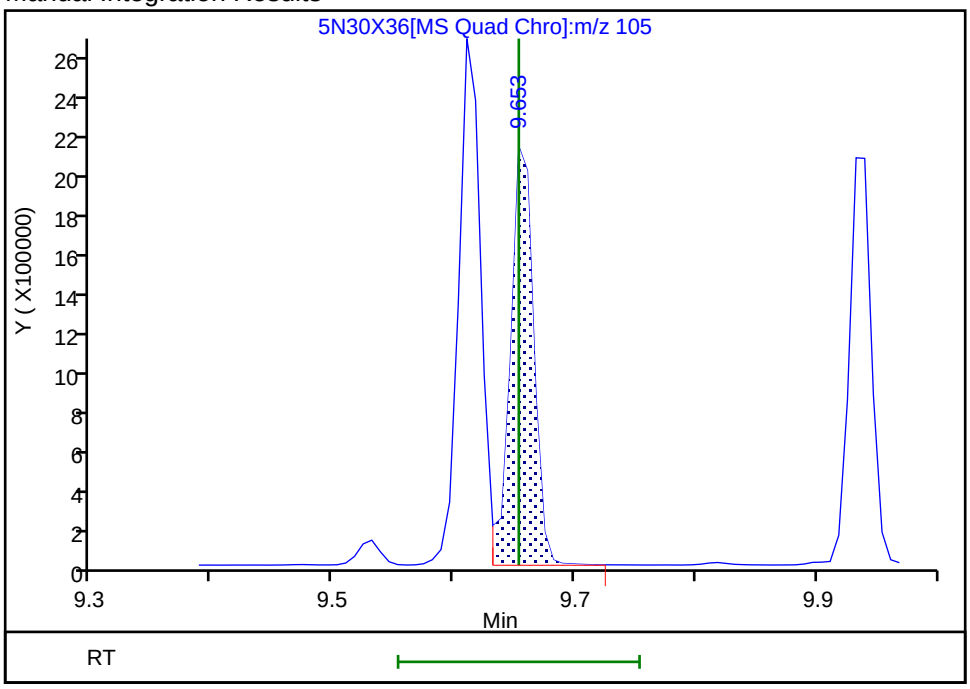
Not Detected
Expected RT: 9.65

Processing Integration Results



Manual Integration Results

RT: 9.65
Area: 2822865
Amount: 11.407654
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:29:42
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

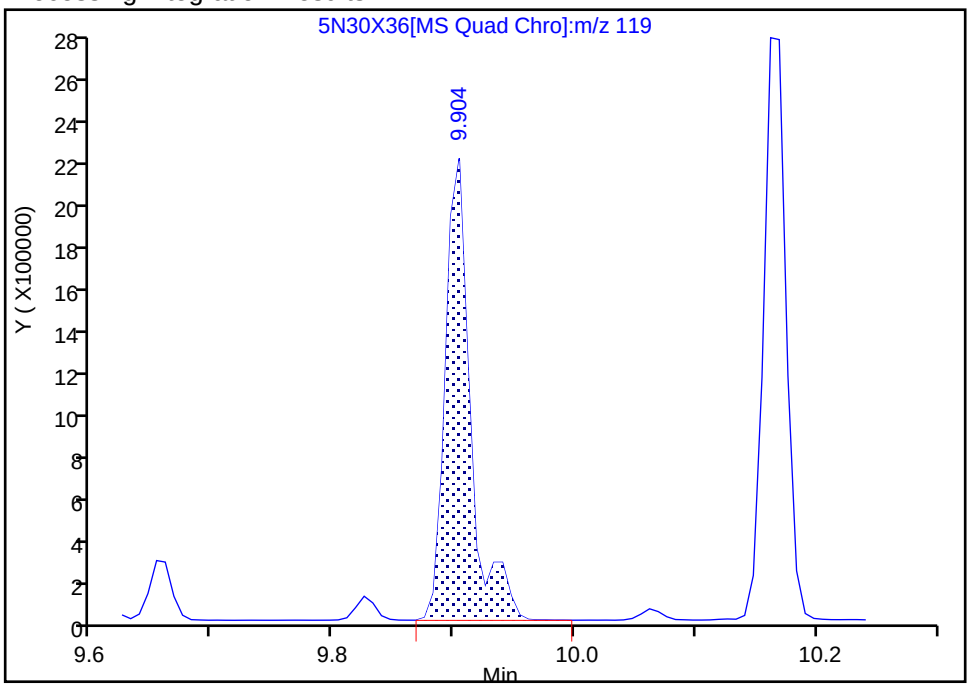
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X36.D				
Injection Date:	01-Dec-2021 03:37:50	Instrument ID:	HP22820		
Lims ID:	ICISAV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

85 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

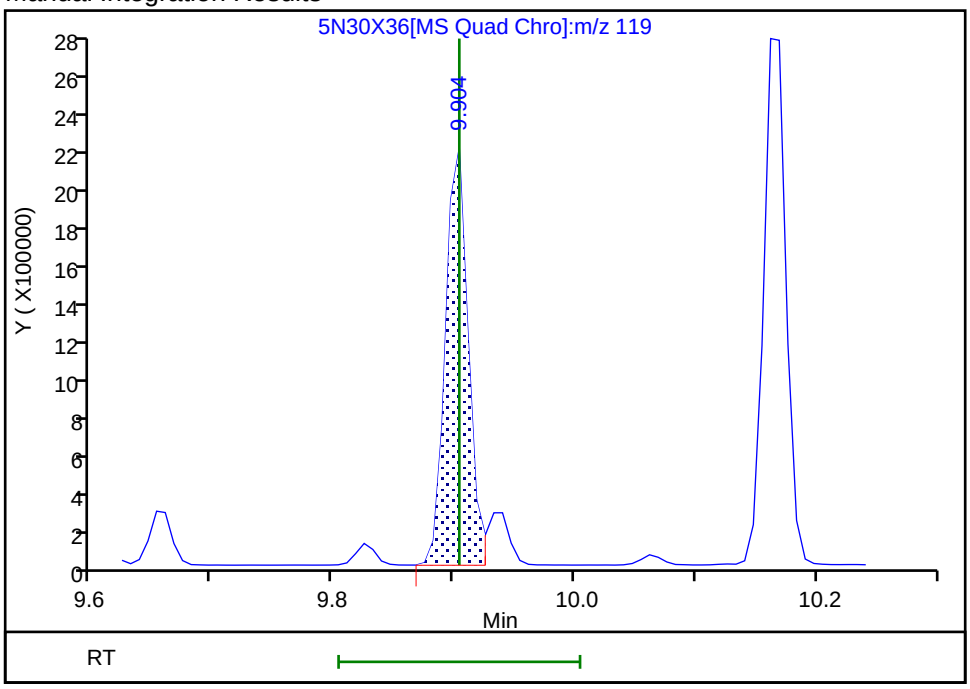
Processing Integration Results

RT: 9.90
Area: 3128574
Amount: 11.664047
Amount Units: ppb v/v



Manual Integration Results

RT: 9.90
Area: 2797975
Amount: 11.756490
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 16:29:49

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X37.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 01-Dec-2021 04:00:44 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 410-0045222-009
Operator ID: etp33087 Instrument ID: HP22820
Sublist: chrom-AirMS_TO15_HP22820*sub1

Method: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 02-Dec-2021 12:35:55 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: proctore Date: 01-Dec-2021 17:07:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	1.645	1.645	0.000	98	834007	25.0	24.1	
2 Dichlorodifluoromethane	85	1.681	1.681	0.000	99	3966343	25.0	24.7	
3 Chlorodifluoromethane	51	1.703	1.695	0.008	96	1839153	25.0	24.5	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.810	1.810	0.000	94	4113783	25.0	24.0	
5 Chloromethane	50	1.875	1.874	0.001	98	796046	25.0	21.3	
6 Vinyl chloride	62	2.004	2.003	0.001	98	1305191	25.0	24.7	
7 Butadiene	54	2.039	2.032	0.007	88	951174	25.0	25.8	
8 Bromomethane	94	2.383	2.383	0.000	90	1289673	25.0	23.0	
9 Chloroethane	64	2.498	2.498	0.000	99	734724	25.0	21.3	
10 Vinyl bromide	106	2.720	2.720	0.000	98	1521988	25.0	26.5	
11 Dichlorofluoromethane	67	2.756	2.756	0.000	96	2993519	25.0	25.1	
12 Trichlorofluoromethane	101	2.799	2.798	0.001	98	4237794	25.0	24.0	
13 Pentane	43	2.906	2.906	0.000	96	1898068	25.0	27.4	
14 Ethanol	45	3.099	3.106	-0.007	100	345733	25.0	24.8	M
15 Acrolein	56	3.357	3.364	-0.007	100	458342	25.0	29.2	
16 1,1-Dichloroethene	61	3.450	3.450	0.000	94	2103802	25.0	26.6	
17 112TCTFE	103	3.465	3.465	0.000	91	2286687	25.0	24.2	
18 Acetone	43	3.544	3.551	-0.007	99	1594043	25.0	24.4	
19 Iodomethane	142	3.622	3.622	0.000	98	4497017	25.0	26.3	
20 Carbon disulfide	76	3.680	3.680	0.000	98	4078126	25.0	25.3	
21 Isopropyl alcohol	45	3.730	3.737	-0.007	98	1584135	25.0	29.1	
23 Acetonitrile	41	3.880	3.887	-0.007	87	2169626	25.0	25.9	a
22 3-Chloro-1-propene	41	3.880	3.887	-0.007	94	2169626	25.0	25.9	
24 Methylene Chloride	84	4.023	4.023	0.000	83	1384778	25.0	25.0	
25 2-Methyl-2-propanol	59	4.174	4.174	0.000	98	2306276	25.0	30.6	
26 trans-1,2-Dichloroethene	61	4.303	4.303	0.000	94	1894292	25.0	26.0	
27 Methyl tert-butyl ether	73	4.303	4.303	0.000	93	3761457	25.0	29.1	
28 Acrylonitrile	53	4.303	4.310	-0.007	48	1018563	25.0	26.5	
29 Hexane	56	4.561	4.561	0.000	88	1010556	25.0	26.9	
30 1,1-Dichloroethane	63	4.718	4.718	0.000	95	2454933	25.0	24.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Vinyl acetate	43	4.783	4.783	0.000	97	4779514	25.0	28.7	
31 Isopropyl ether	45	4.783	4.790	-0.007	84	3725409	25.0	28.2	
33 Tert-butyl ethyl ether	59	5.119	5.119	0.000	96	3709476	25.0	29.9	
34 cis-1,2-Dichloroethene	61	5.248	5.248	0.000	74	1821999	25.0	26.2	
35 2-Butanone (MEK)	43	5.277	5.277	0.000	98	2069340	25.0	29.1	M
36 Ethyl acetate	43	5.320	5.320	0.000	96	2595811	25.0	25.8	
37 Methyl acrylate	55	5.356	5.356	0.000	99	2183591	25.0	28.9	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	84	301509	10.0	10.0	
39 Tetrahydrofuran	42	5.492	5.499	-0.007	82	1251344	25.0	27.3	
40 Chloroform	83	5.528	5.528	0.000	92	3317099	25.0	24.5	
41 1,1,1-Trichloroethane	97	5.671	5.671	0.000	97	3376857	25.0	25.3	
42 Cyclohexane	56	5.707	5.707	0.000	84	1990382	25.0	28.7	M
43 Carbon tetrachloride	117	5.800	5.800	0.000	96	3601460	25.0	25.4	
44 Benzene	78	5.979	5.979	0.000	94	4711142	25.0	24.0	
45 1,2-Dichloroethane	62	6.000	6.000	0.000	98	1951320	25.0	23.9	
46 Isooctane	57	6.029	6.029	0.000	95	5851678	25.0	28.1	
47 Tert-amyl methyl ether	73	6.058	6.058	0.000	97	3725971	25.0	29.2	
48 n-Heptane	71	6.165	6.165	0.000	86	1635383	25.0	28.3	
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	92	1369167	10.0	10.0	
50 Trichloroethene	130	6.480	6.480	0.000	95	2558334	25.0	24.9	
51 Ethyl acrylate	55	6.559	6.559	0.000	98	2774379	25.0	30.6	
52 1,2-Dichloropropane	63	6.659	6.659	0.000	96	1571236	25.0	24.2	
53 Methyl methacrylate	69	6.731	6.738	-0.007	84	1596030	25.0	30.3	
54 Dibromomethane	174	6.760	6.760	0.000	94	2462399	25.0	24.6	
55 1,4-Dioxane	88	6.760	6.760	0.000	86	1075569	25.0	27.5	
56 Dichlorobromomethane	83	6.867	6.867	0.000	99	3534897	25.0	25.0	
57 cis-1,3-Dichloropropene	75	7.197	7.204	-0.007	97	2805526	25.0	28.7	
58 4-Methyl-2-pentanone (MIBK)	43	7.311	7.311	0.000	93	2645094	25.0	30.2	
59 Toluene	91	7.447	7.447	0.000	100	5909262	25.0	25.0	
60 n-Octane	43	7.498	7.497	0.001	76	2874650	25.0	27.0	
61 trans-1,3-Dichloropropene	75	7.612	7.612	0.000	89	2481511	25.0	28.4	
62 Ethyl methacrylate	69	7.655	7.655	0.000	87	2677931	25.0	31.8	M
63 1,1,2-Trichloroethane	97	7.755	7.755	0.000	89	2166439	25.0	24.0	
64 Tetrachloroethene	166	7.849	7.848	0.001	97	3615539	25.0	24.1	
65 2-Hexanone	43	7.927	7.927	0.000	92	2254417	25.0	30.4	
66 Chlorodibromomethane	127	8.049	8.049	0.000	89	3263747	25.0	26.1	
67 Ethylene Dibromide	107	8.142	8.142	0.000	99	3558105	25.0	25.4	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	81	1493703	10.0	10.0	
69 Chlorobenzene	112	8.500	8.500	0.000	98	5294976	25.0	24.7	
70 1,1,1,2-Tetrachloroethane	131	8.551	8.550	0.001	96	3024455	25.0	25.1	
71 Ethylbenzene	91	8.565	8.565	0.000	97	7792539	25.0	27.9	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	99	6128021	25.0	28.8	
73 o-Xylene	91	8.952	8.952	0.000	95	6139611	25.0	30.1	
74 Styrene	104	8.959	8.959	0.000	95	5071583	25.0	31.0	
75 Bromoform	173	9.124	9.123	0.001	99	4478252	25.0	26.4	
76 Isopropylbenzene	105	9.217	9.224	-0.007	95	8920136	25.0	30.7	
77 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	95	4504817	25.0	23.8	M
78 Bromobenzene	156	9.475	9.474	0.001	83	3501818	25.0	25.8	
79 1,2,3-Trichloropropane	110	9.496	9.496	0.000	80	1523148	25.0	24.0	
80 N-Propylbenzene	120	9.532	9.532	0.000	97	2811120	25.0	29.0	
82 2-Chlorotoluene	126	9.611	9.611	0.000	97	2555078	25.0	27.5	
81 4-Ethyltoluene	105	9.611	9.611	0.000	96	9047587	25.0	29.6	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 1,3,5-Trimethylbenzene	105	9.654	9.654	0.000	96	7587309	25.0	28.8	Ma
84 Alpha Methyl Styrene	118	9.826	9.825	0.001	89	3995382	25.0	33.4	
85 tert-Butylbenzene	119	9.904	9.897	0.007	91	7650844	25.0	30.2	M
86 1,2,4-Trimethylbenzene	105	9.933	9.926	0.007	96	7461489	25.0	30.9	
87 sec-Butylbenzene	105	10.062	10.047	0.015	94	10684278	25.0	30.3	
89 4-Isopropyltoluene	119	10.169	10.148	0.021	95	9593293	25.0	31.5	
88 1,3-Dichlorobenzene	146	10.169	10.148	0.021	82	5892408	25.0	26.4	
90 1,4-Dichlorobenzene	146	10.234	10.212	0.022	96	5919289	25.0	26.5	
91 Benzyl chloride	126	10.334	10.320	0.014	97	1529010	25.0	34.5	
92 n-Butylbenzene	92	10.477	10.463	0.014	95	4847611	25.0	32.5	
93 1,2-Dichlorobenzene	146	10.520	10.506	0.014	99	5523684	25.0	26.4	
94 Hexachloroethane	117	10.707	10.692	0.015	94	3262889	25.0	27.0	
95 1,2-Dibromo-3-Chloropropane	157	11.115	11.108	0.007	95	3126916	25.0	28.8	
96 1,2,4-Trichlorobenzene	180	11.745	11.738	0.007	95	4361708	25.0	30.3	
97 Hexachlorobutadiene	225	11.860	11.853	0.007	98	3543987	25.0	25.5	
98 Naphthalene	128	11.946	11.939	0.007	96	8747263	25.0	37.2	
S 101 1,2-Dichloroethene, Total	61				0	3716291	50.0	52.2	
S 102 1,3-Dichloropropene, Total	75				0	5287037	50.0	57.2	
S 104 Xylenes, Total	91				0	12267632	50.0	58.9	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRCAL50.0_00055	Amount Added: 100.00	Units: mL	
AIRIS200 ppb_00080	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 02-Dec-2021 12:35:56 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X37.D

Injection Date: 01-Dec-2021 04:00:44 Instrument ID: HP22820

Lims ID: IC

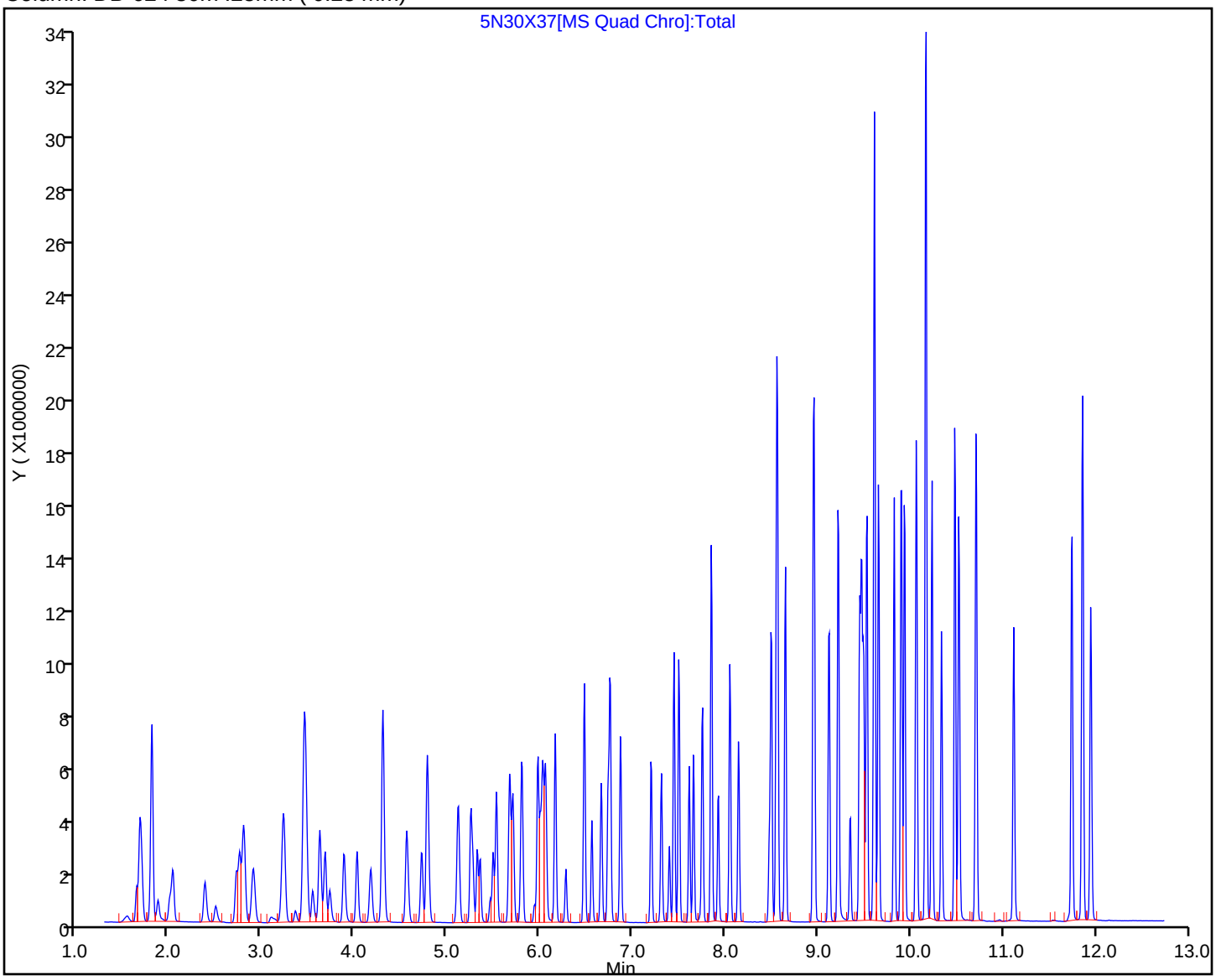
Client ID:

Operator ID: etp33087 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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

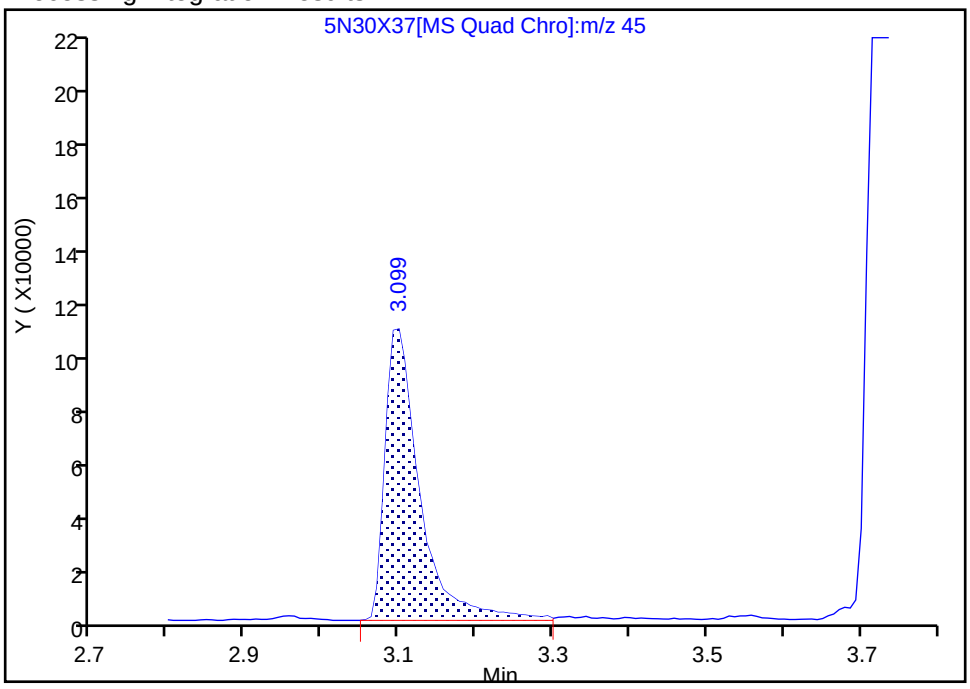
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X37.D				
Injection Date:	01-Dec-2021 04:00:44	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

14 Ethanol, CAS: 64-17-5

Signal: 1

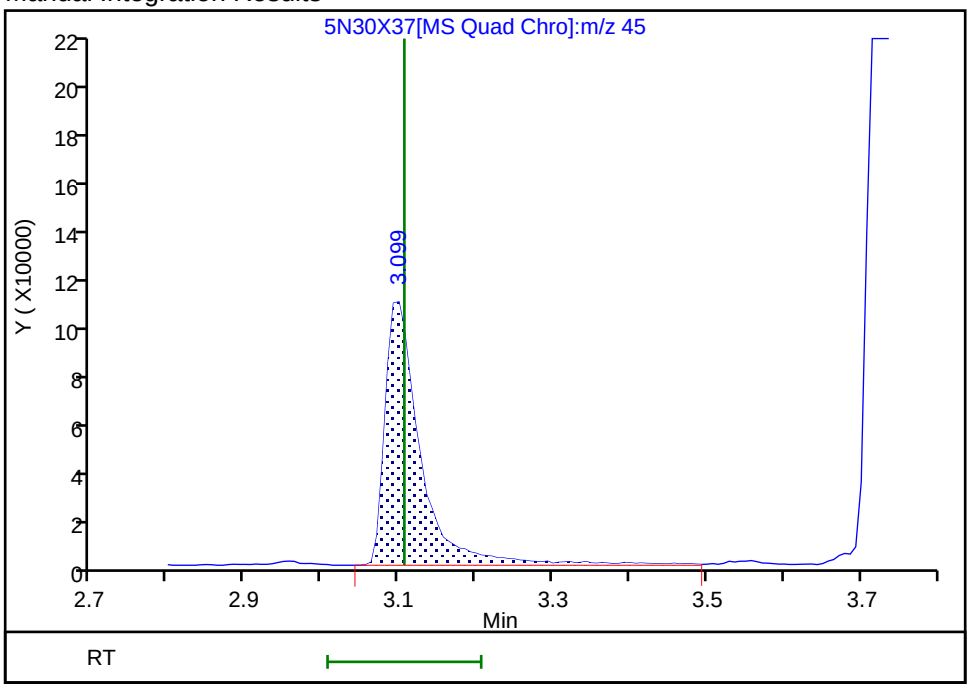
Processing Integration Results

RT: 3.10
Area: 336366
Amount: 21.586101
Amount Units: ppb v/v



Manual Integration Results

RT: 3.10
Area: 345733
Amount: 24.847991
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:05:38
Audit Action: Assigned New Baseline Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

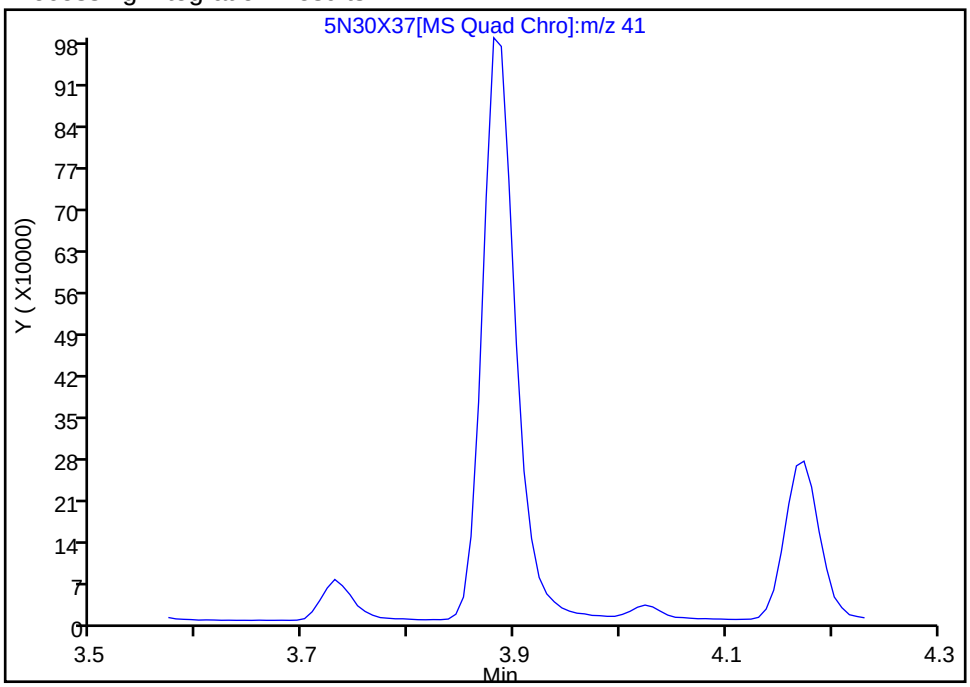
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X37.D				
Injection Date:	01-Dec-2021 04:00:44	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

23 Acetonitrile, CAS: 75-05-8

Signal: 1

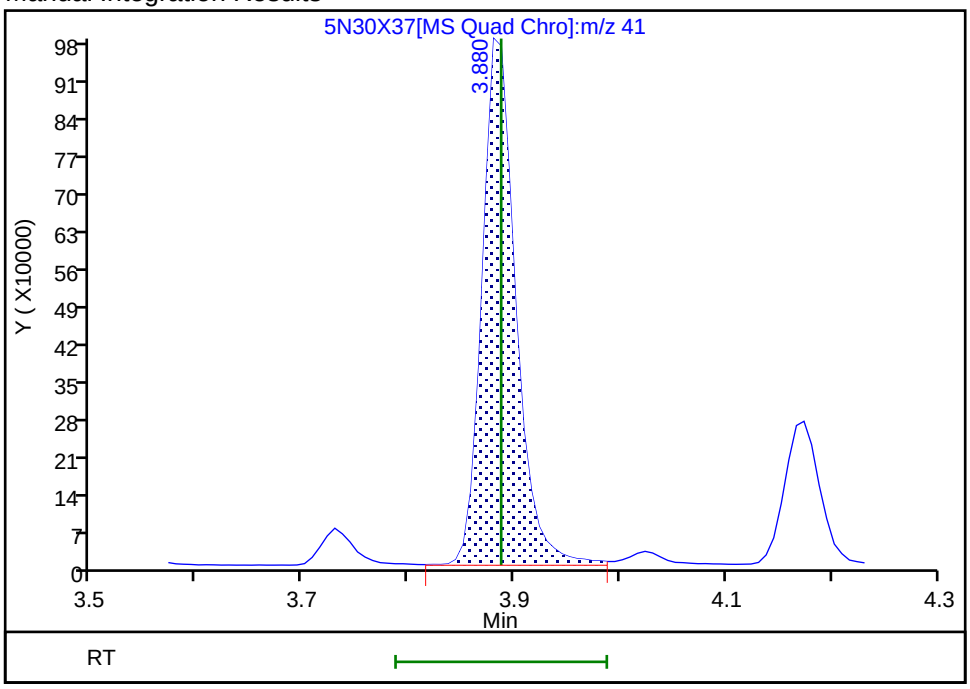
Not Detected
Expected RT: 3.89

Processing Integration Results



Manual Integration Results

RT: 3.88
Area: 2169626
Amount: 25.911048
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:05:50
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

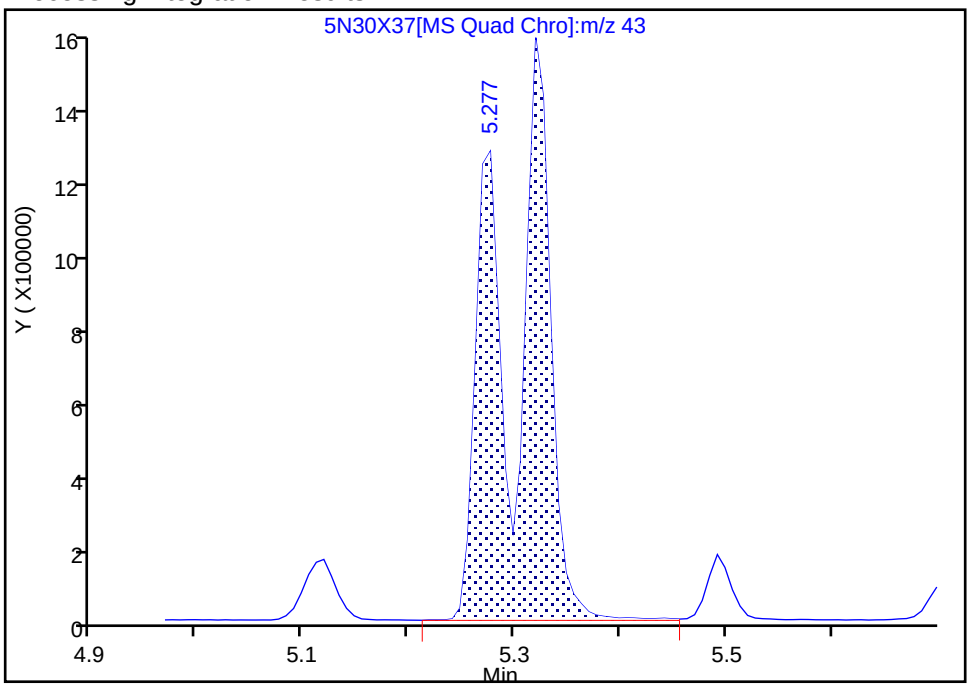
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X37.D				
Injection Date:	01-Dec-2021 04:00:44	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

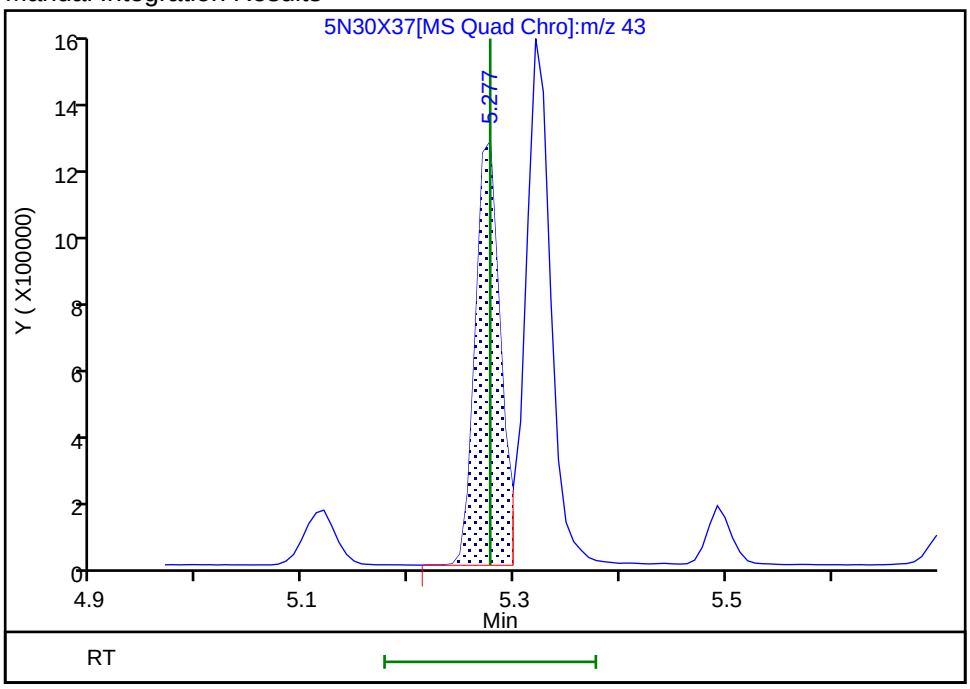
Processing Integration Results

RT: 5.28
Area: 4665152
Amount: 48.629573
Amount Units: ppb v/v



Manual Integration Results

RT: 5.28
Area: 2069340
Amount: 29.098558
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:06:13
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

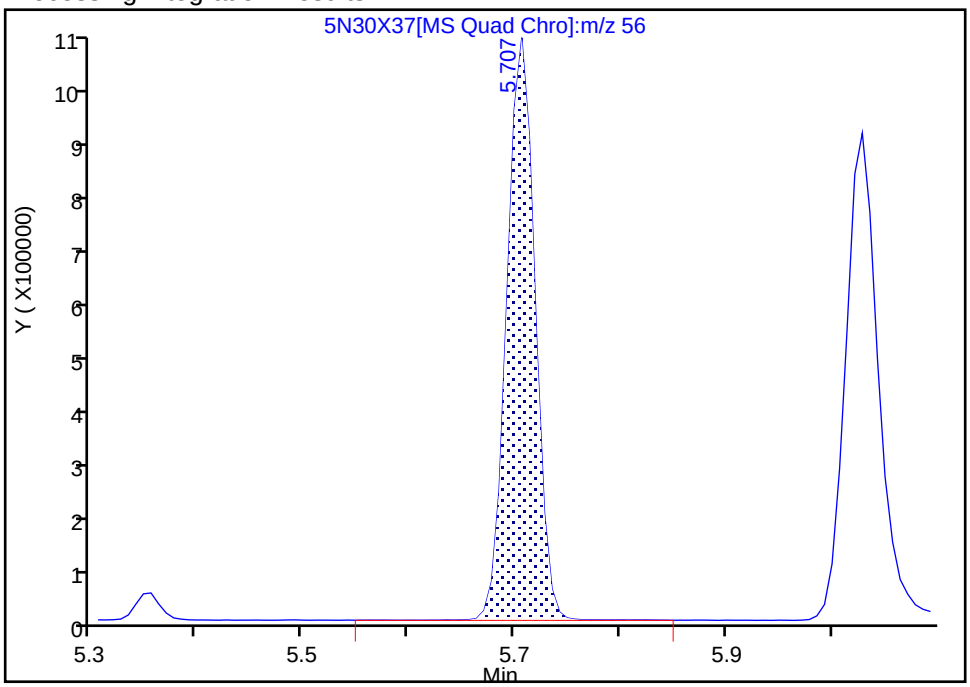
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X37.D				
Injection Date:	01-Dec-2021 04:00:44	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

42 Cyclohexane, CAS: 110-82-7

Signal: 1

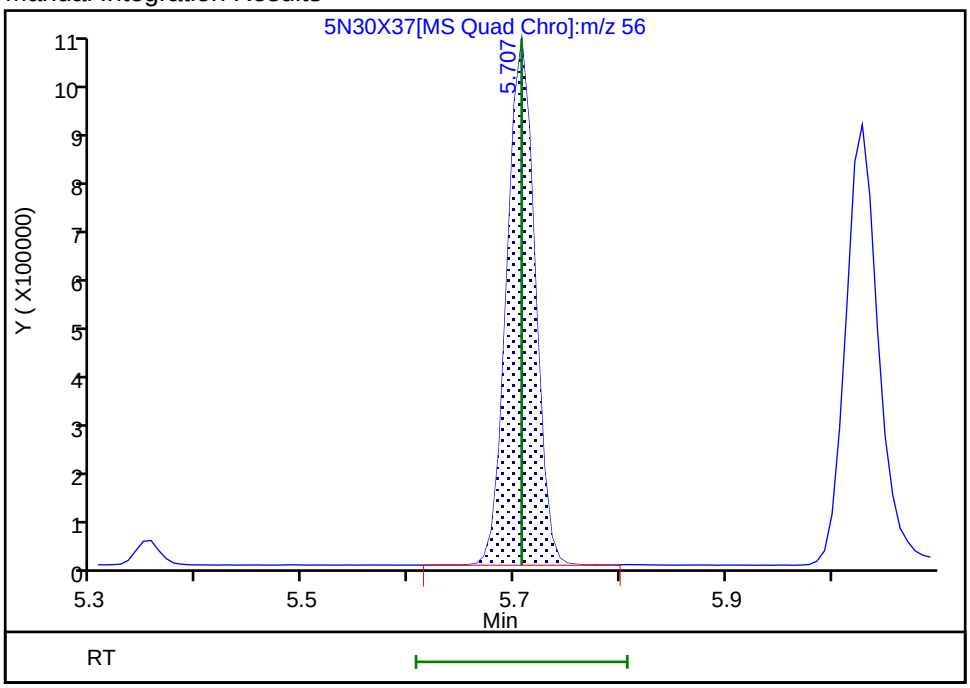
Processing Integration Results

RT: 5.71
Area: 1994236
Amount: 28.721404
Amount Units: ppb v/v



Manual Integration Results

RT: 5.71
Area: 1990382
Amount: 28.673856
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:06:38

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

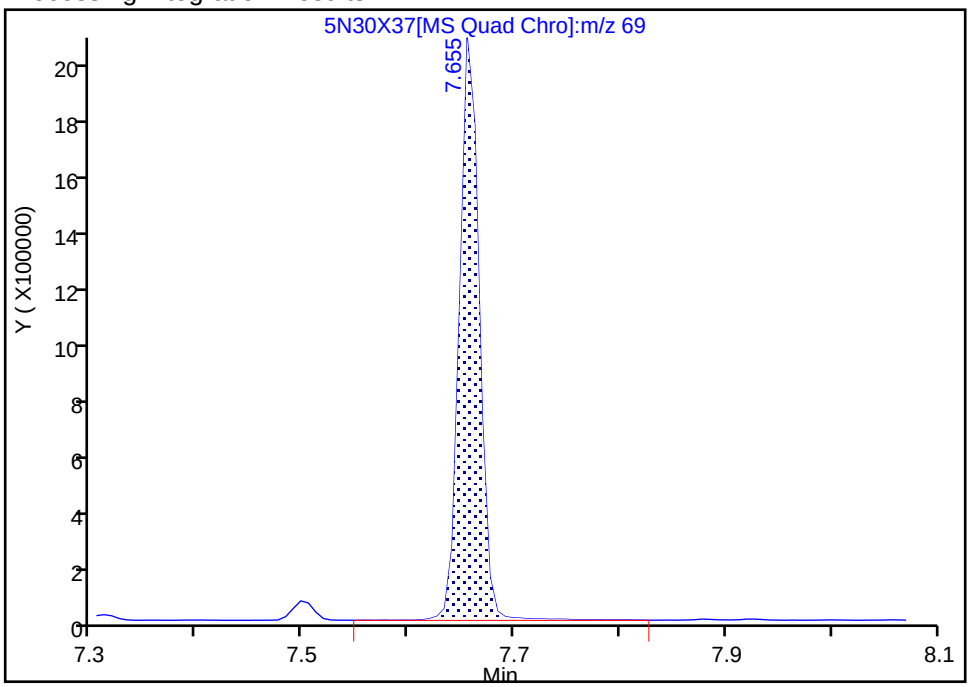
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X37.D				
Injection Date:	01-Dec-2021 04:00:44	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

62 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

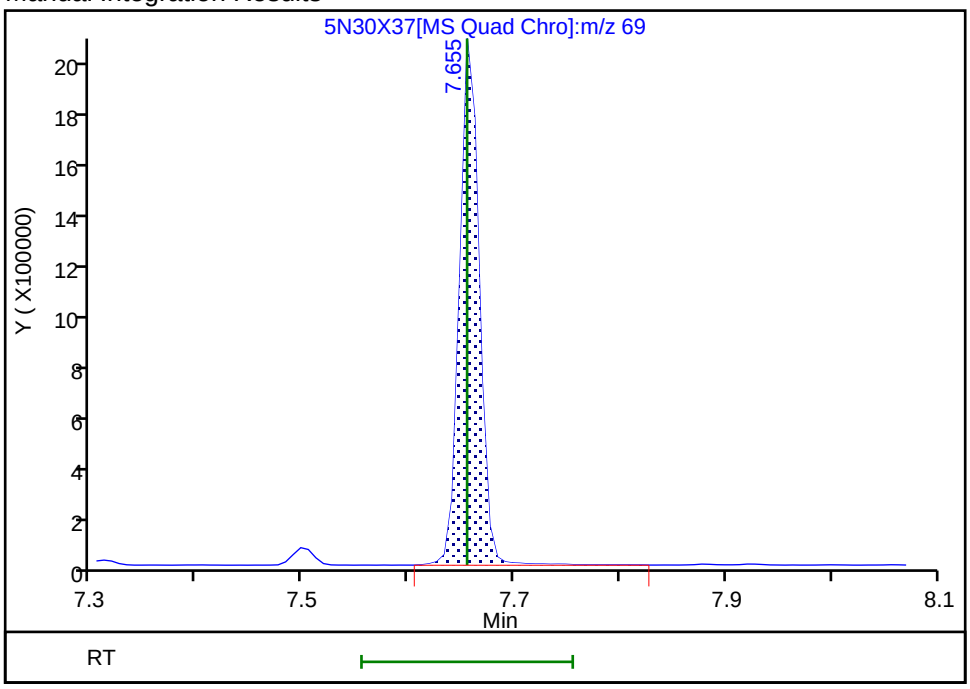
Processing Integration Results

RT: 7.66
Area: 2679734
Amount: 31.784941
Amount Units: ppb v/v



Manual Integration Results

RT: 7.66
Area: 2677931
Amount: 31.766952
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:07:02

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

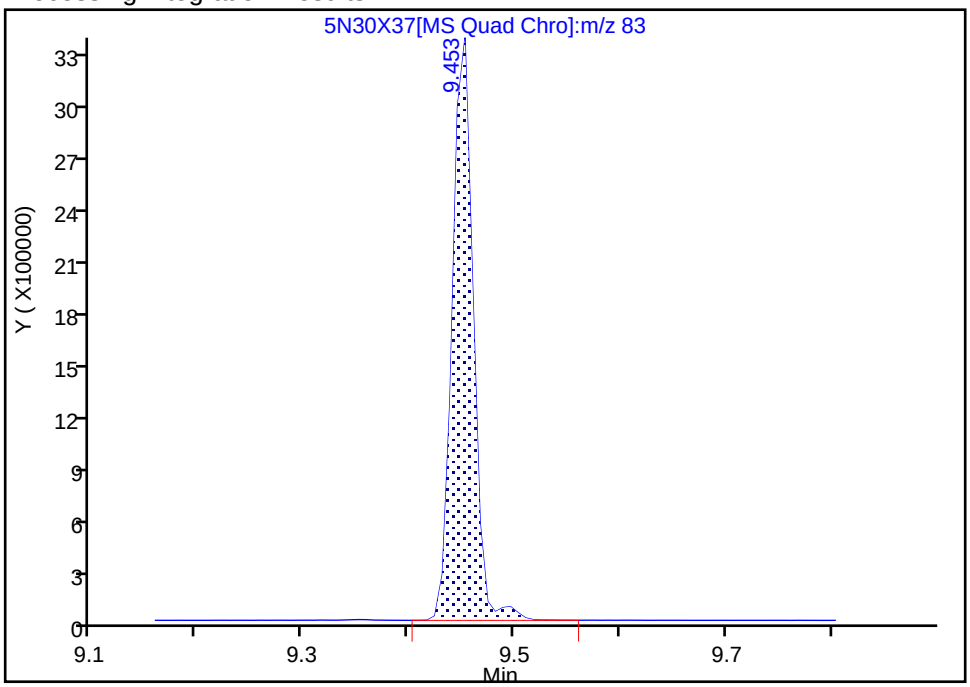
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X37.D				
Injection Date:	01-Dec-2021 04:00:44	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

77 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

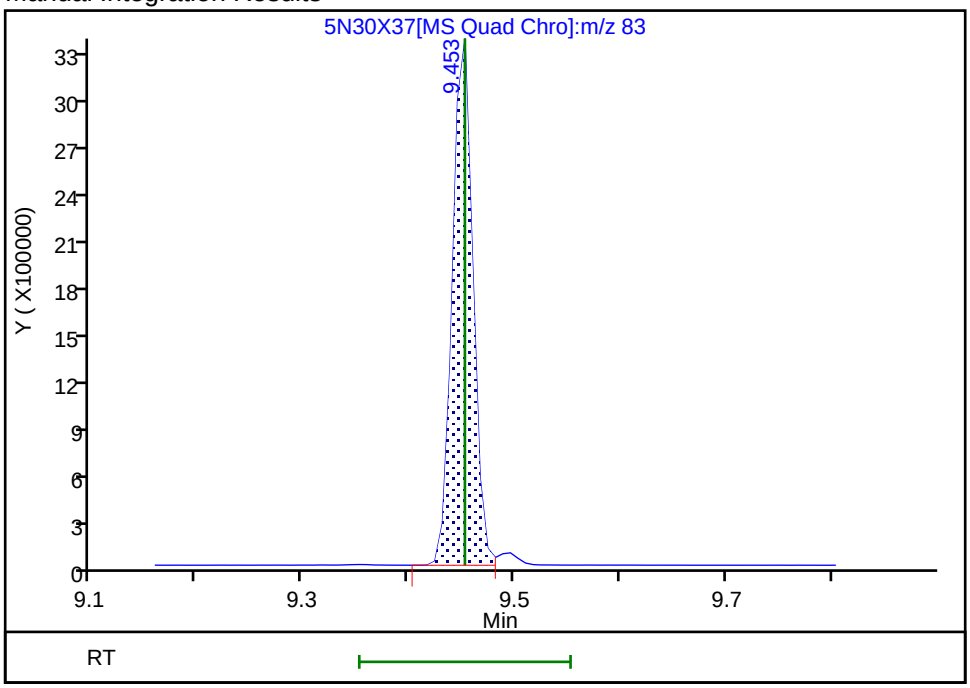
Processing Integration Results

RT: 9.45
Area: 4610844
Amount: 24.309612
Amount Units: ppb v/v



Manual Integration Results

RT: 9.45
Area: 4504817
Amount: 23.817178
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:07:21

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

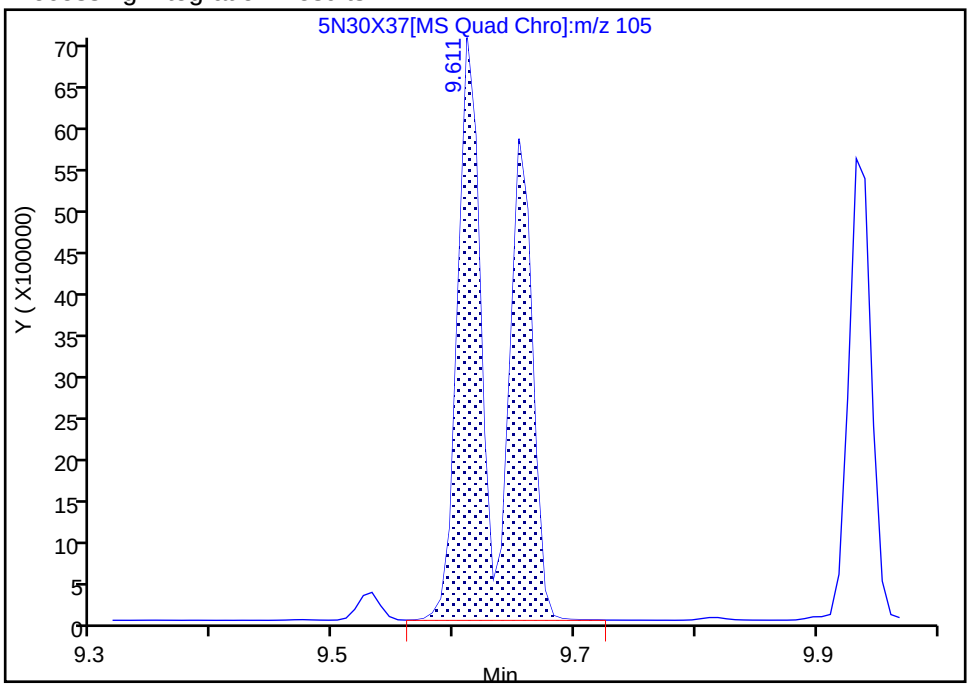
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X37.D				
Injection Date:	01-Dec-2021 04:00:44	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

81 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

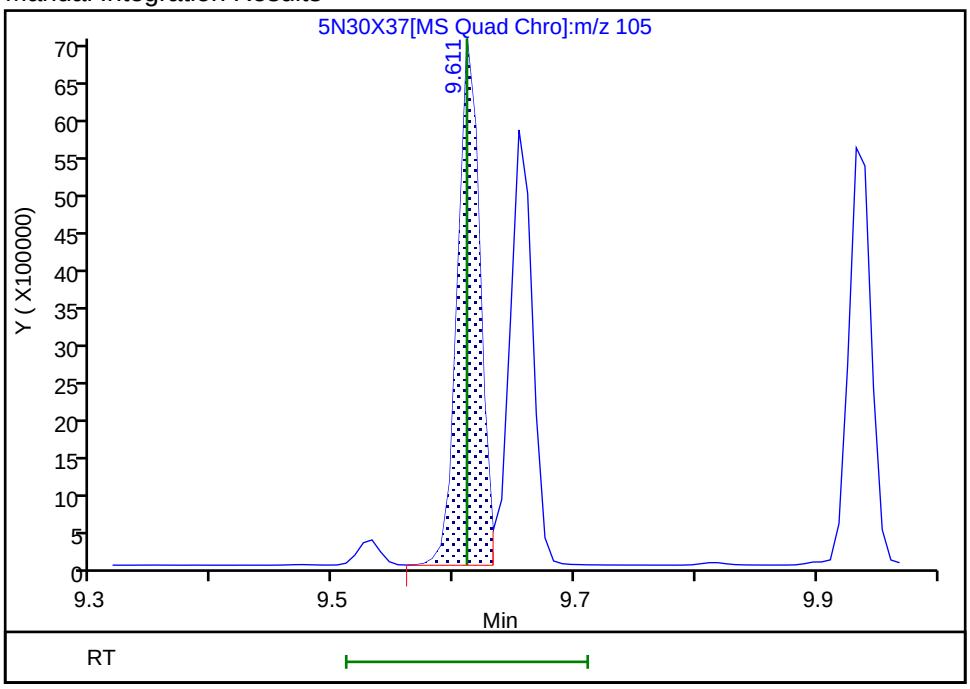
Processing Integration Results

RT: 9.61
Area: 16634896
Amount: 48.355313
Amount Units: ppb v/v



Manual Integration Results

RT: 9.61
Area: 9047587
Amount: 29.559813
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:04:44

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

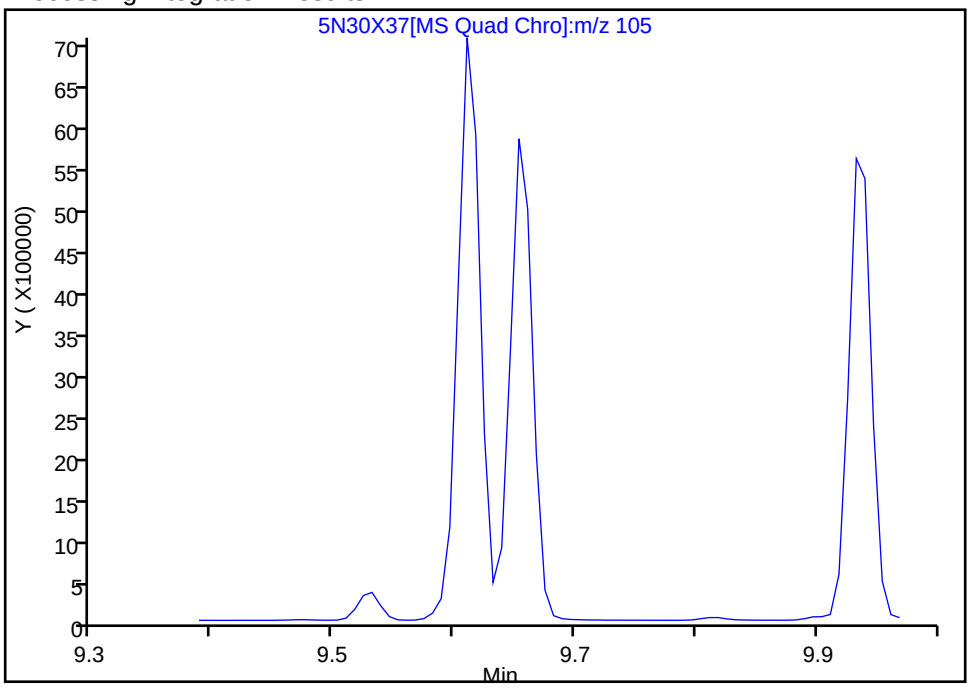
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X37.D				
Injection Date:	01-Dec-2021 04:00:44	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

83 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

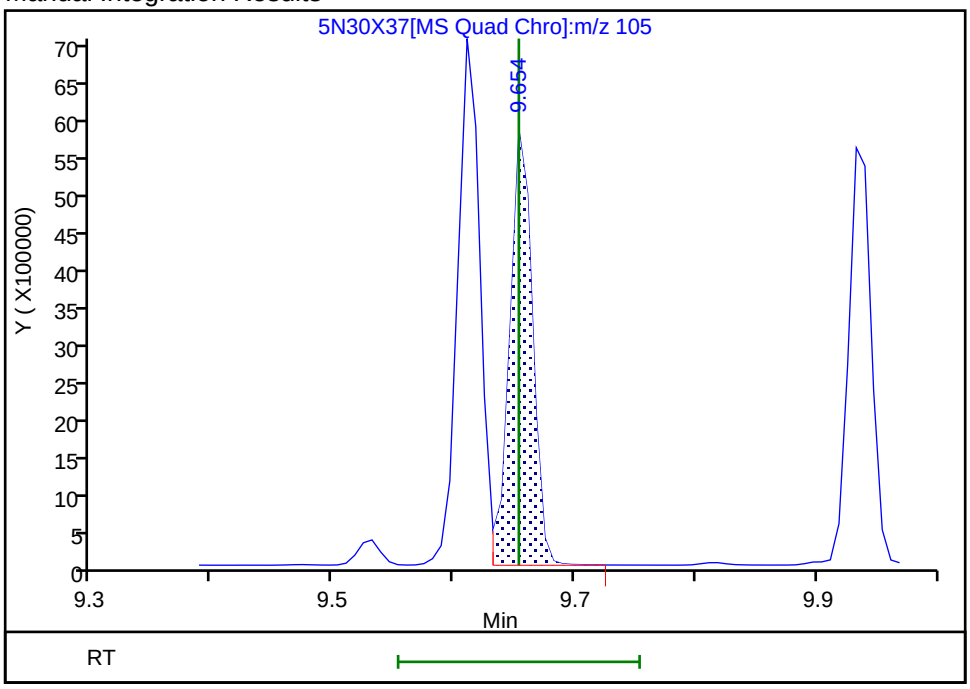
Not Detected
Expected RT: 9.65

Processing Integration Results



Manual Integration Results

RT: 9.65
Area: 7587309
Amount: 28.835403
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:04:37
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

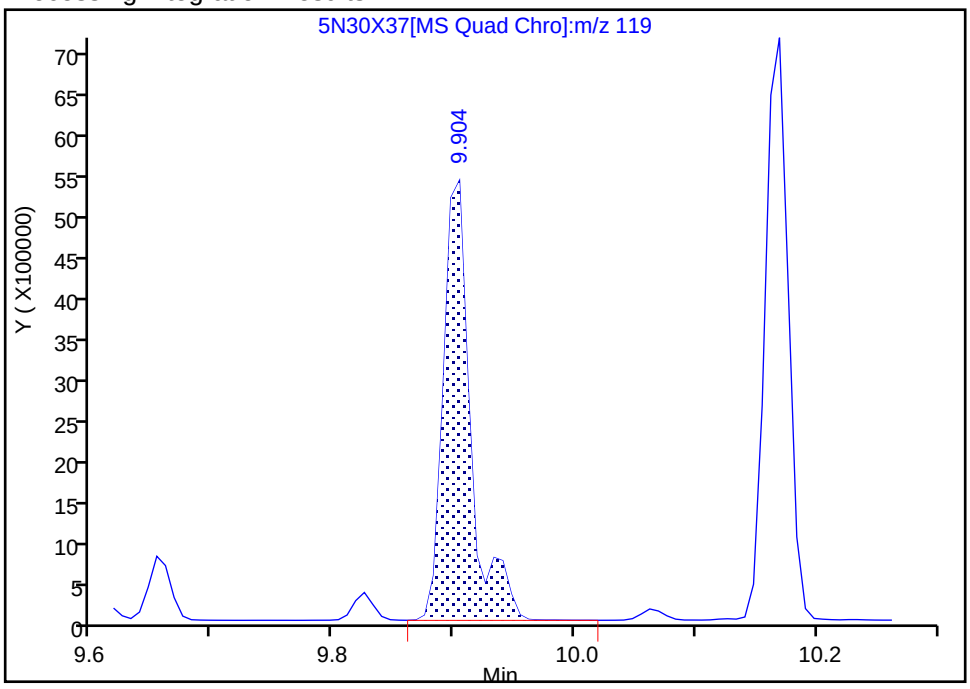
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X37.D				
Injection Date:	01-Dec-2021 04:00:44	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

85 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

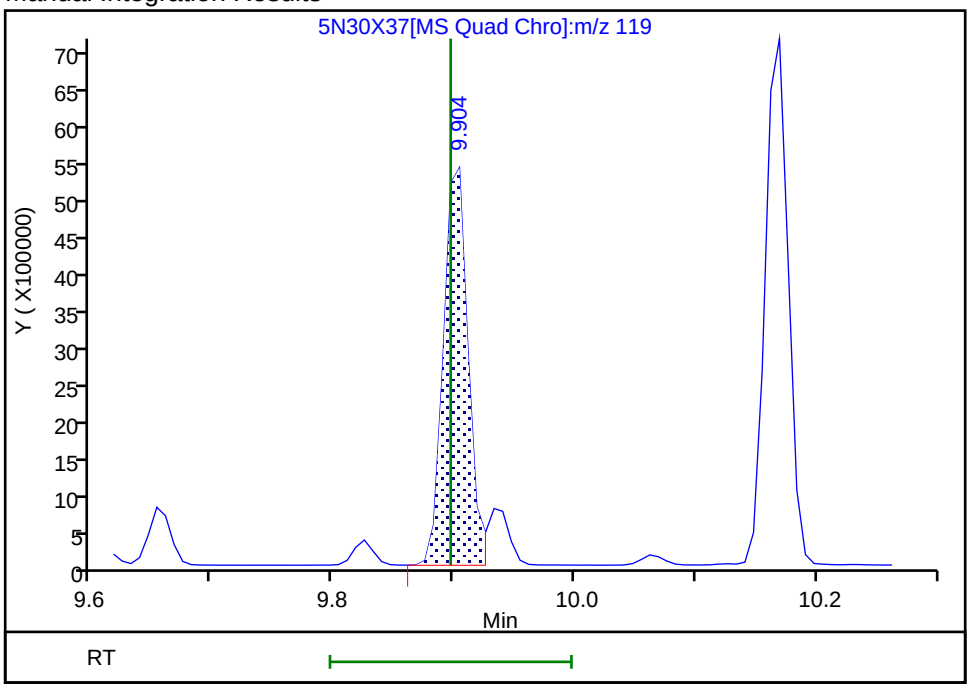
Processing Integration Results

RT: 9.90
Area: 8580198
Amount: 32.729003
Amount Units: ppb v/v



Manual Integration Results

RT: 9.90
Area: 7650844
Amount: 30.232579
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:07:38

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 01-Dec-2021 04:27:08 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 410-0045222-010
Operator ID: etp33087 Instrument ID: HP22820
Sublist: chrom-AirMS_TO15_HP22820*sub1

Method: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 02-Dec-2021 12:36:00 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1626

First Level Reviewer: proctore Date: 01-Dec-2021 17:11:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	1.653	1.645	0.008	98	2314275	70.0	61.8	
2 Dichlorodifluoromethane	85	1.688	1.681	0.007	99	10526772	70.0	60.6	
3 Chlorodifluoromethane	51	1.710	1.695	0.015	96	4794232	70.0	59.0	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.810	1.810	0.000	92	10776919	70.0	58.3	
5 Chloromethane	50	1.882	1.874	0.008	98	1946467	70.0	48.1	
6 Vinyl chloride	62	2.011	2.003	0.008	98	3622705	70.0	63.5	
7 Butadiene	54	2.039	2.032	0.007	88	2654780	70.0	66.7	
8 Bromomethane	94	2.383	2.383	0.000	90	3691069	70.0	61.0	
9 Chloroethane	64	2.512	2.498	0.014	99	1965688	70.0	52.7	
10 Vinyl bromide	106	2.727	2.720	0.007	98	4309221	70.0	69.4	
11 Dichlorofluoromethane	67	2.763	2.756	0.007	96	7912193	70.0	61.2	
12 Trichlorofluoromethane	101	2.806	2.798	0.008	99	11413566	70.0	59.7	
13 Pentane	43	2.906	2.906	0.000	95	5305002	70.0	70.9	
14 Ethanol	45	3.100	3.106	-0.006	100	984480	70.0	65.4	
15 Acrolein	56	3.365	3.364	0.001	99	1316894	70.0	77.7	
16 1,1-Dichloroethene	61	3.450	3.450	0.000	93	5769934	70.0	67.5	
17 112TCTFE	103	3.465	3.465	0.000	90	6249853	70.0	61.3	
18 Acetone	43	3.544	3.551	-0.007	99	4450275	70.0	63.0	
19 Iodomethane	142	3.630	3.622	0.008	98	10969323	70.0	59.2	
20 Carbon disulfide	76	3.680	3.680	0.000	98	11087969	70.0	63.6	
21 Isopropyl alcohol	45	3.730	3.737	-0.007	99	4736824	70.0	80.4	
23 Acetonitrile	41	3.887	3.887	0.000	81	6032620	70.0	66.6	
22 3-Chloro-1-propene	41	3.887	3.887	0.000	94	6032620	70.0	66.6	a
24 Methylene Chloride	84	4.031	4.023	0.008	83	3771820	70.0	62.9	
25 2-Methyl-2-propanol	59	4.174	4.174	0.000	99	7046844	70.0	86.5	
26 trans-1,2-Dichloroethene	61	4.303	4.303	0.000	93	5158270	70.0	65.4	
27 Methyl tert-butyl ether	73	4.303	4.303	0.000	93	10697568	70.0	76.6	
28 Acrylonitrile	53	4.310	4.310	0.000	100	2726947	70.0	65.5	
29 Hexane	56	4.568	4.561	0.007	88	2779029	70.0	68.5	
30 1,1-Dichloroethane	63	4.726	4.718	0.008	95	6772149	70.0	63.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Vinyl acetate	43	4.783	4.783	0.000	97	12654467	70.0	70.2	
31 Isopropyl ether	45	4.790	4.790	0.000	84	10009708	70.0	70.0	
33 Tert-butyl ethyl ether	59	5.119	5.119	0.000	95	10700602	70.0	79.7	
34 cis-1,2-Dichloroethene	61	5.256	5.248	0.008	73	5031040	70.0	67.0	
35 2-Butanone (MEK)	43	5.277	5.277	0.000	97	5690804	70.0	74.0	M
36 Ethyl acetate	43	5.320	5.320	0.000	96	7168627	70.0	65.8	
37 Methyl acrylate	55	5.356	5.356	0.000	99	6080259	70.0	74.5	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	82	326026	10.0	10.0	
39 Tetrahydrofuran	42	5.492	5.499	-0.007	82	3539065	70.0	71.4	
40 Chloroform	83	5.535	5.528	0.007	91	8926725	70.0	61.0	
41 1,1,1-Trichloroethane	97	5.671	5.671	0.000	96	9379690	70.0	64.9	
42 Cyclohexane	56	5.707	5.707	0.000	86	5545331	70.0	73.9	
43 Carbon tetrachloride	117	5.807	5.800	0.007	96	9974180	70.0	65.1	
44 Benzene	78	5.979	5.979	0.000	95	12484647	70.0	59.4	
45 1,2-Dichloroethane	62	6.001	6.000	0.001	98	5256553	70.0	60.2	
46 Isooctane	57	6.029	6.029	0.000	95	15662171	70.0	70.3	
47 Tert-amyl methyl ether	73	6.058	6.058	0.000	98	10781008	70.0	79.2	
48 n-Heptane	71	6.165	6.165	0.000	84	4538016	70.0	73.6	
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	92	1462638	10.0	10.0	
50 Trichloroethene	130	6.480	6.480	0.000	94	7255392	70.0	66.1	
51 Ethyl acrylate	55	6.559	6.559	0.000	99	7839016	70.0	80.9	
52 1,2-Dichloropropane	63	6.660	6.659	0.001	96	4374996	70.0	63.0	
53 Methyl methacrylate	69	6.738	6.738	0.000	83	4562186	70.0	81.1	
54 Dibromomethane	174	6.760	6.760	0.000	92	7004352	70.0	65.4	
55 1,4-Dioxane	88	6.760	6.760	0.000	85	3001098	70.0	71.8	
56 Dichlorobromomethane	83	6.867	6.867	0.000	98	9586308	70.0	63.4	
57 cis-1,3-Dichloropropene	75	7.204	7.204	0.000	97	7955762	70.0	76.2	
58 4-Methyl-2-pentanone (MIBK)	43	7.311	7.311	0.000	92	7268403	70.0	77.7	
59 Toluene	91	7.447	7.447	0.000	95	13923329	70.0	54.0	
60 n-Octane	43	7.498	7.497	0.001	73	7430695	70.0	64.0	
61 trans-1,3-Dichloropropene	75	7.612	7.612	0.000	88	7070459	70.0	74.4	
62 Ethyl methacrylate	69	7.655	7.655	0.000	86	7573817	70.0	82.5	
63 1,1,2-Trichloroethane	97	7.755	7.755	0.000	89	5961717	70.0	60.6	
64 Tetrachloroethene	166	7.849	7.848	0.001	96	10140058	70.0	62.0	
65 2-Hexanone	43	7.927	7.927	0.000	91	6307300	70.0	78.1	
66 Chlorodibromomethane	127	8.049	8.049	0.000	90	8997880	70.0	66.1	
67 Ethylene Dibromide	107	8.142	8.142	0.000	99	9638122	70.0	63.2	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	81	1626626	10.0	10.0	
69 Chlorobenzene	112	8.500	8.500	0.000	92	12851379	70.0	55.1	
70 1,1,1,2-Tetrachloroethane	131	8.558	8.550	0.008	96	8149890	70.0	62.0	
71 Ethylbenzene	91	8.572	8.565	0.007	93	14906536	70.0	49.0	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	97	14026165	70.0	60.6	
73 o-Xylene	91	8.952	8.952	0.000	88	13879347	70.0	62.5	
74 Styrene	104	8.966	8.959	0.007	91	12270040	70.0	68.8	
75 Bromoform	173	9.124	9.123	0.001	96	12044830	70.0	65.2	
76 Isopropylbenzene	105	9.224	9.224	0.000	94	16226159	70.0	51.4	
77 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	95	11755968	70.0	57.1	
78 Bromobenzene	156	9.475	9.474	0.001	89	9548542	70.0	64.6	
79 1,2,3-Trichloropropane	110	9.496	9.496	0.000	81	4191819	70.0	60.7	
80 N-Propylbenzene	120	9.532	9.532	0.000	92	7786547	70.0	73.8	
82 2-Chlorotoluene	126	9.611	9.611	0.000	95	6863109	70.0	67.7	
81 4-Ethyltoluene	105	9.618	9.611	0.007	83	15803006	70.0	47.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 1,3,5-Trimethylbenzene	105	9.661	9.654	0.007	85	15313832	70.0	53.4	
84 Alpha Methyl Styrene	118	9.826	9.825	0.001	90	10623205	70.0	81.5	
85 tert-Butylbenzene	119	9.897	9.897	0.000	83	14907902	70.0	54.1	M
86 1,2,4-Trimethylbenzene	105	9.940	9.926	0.014	89	14477231	70.0	55.1	
87 sec-Butylbenzene	105	10.076	10.047	0.029	93	17086726	70.0	44.4	
89 4-Isopropyltoluene	119	10.177	10.148	0.029	88	15880263	70.0	47.8	
88 1,3-Dichlorobenzene	146	10.169	10.148	0.021	94	13261497	70.0	54.6	
90 1,4-Dichlorobenzene	146	10.234	10.212	0.022	96	13714775	70.0	56.4	
91 Benzyl chloride	126	10.334	10.320	0.014	95	4618169	70.0	95.6	
92 n-Butylbenzene	92	10.477	10.463	0.014	78	12184302	70.0	75.0	
93 1,2-Dichlorobenzene	146	10.528	10.506	0.022	91	13037478	70.0	57.2	
94 Hexachloroethane	117	10.707	10.692	0.015	92	8612080	70.0	65.5	
95 1,2-Dibromo-3-Chloropropane	157	11.115	11.108	0.007	95	8922182	70.0	75.3	
96 1,2,4-Trichlorobenzene	180	11.745	11.738	0.007	96	12831082	70.0	81.9	
97 Hexachlorobutadiene	225	11.860	11.853	0.007	97	10671065	70.0	70.5	
98 Naphthalene	128	11.953	11.939	0.014	97	17774259	70.0	69.5	
S 101 1,2-Dichloroethene, Total	61				0	10189310	140.0	132.3	
S 102 1,3-Dichloropropene, Total	75				0	15026221	140.0	149.2	
S 104 Xylenes, Total	91				0	27905512	140.0	123.0	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRCAL50.0_00055	Amount Added: 280.00	Units: mL	
AIRIS200 ppb_00080	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 02-Dec-2021 12:36:01 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Injection Date: 01-Dec-2021 04:27:08 Instrument ID: HP22820

Lims ID: IC

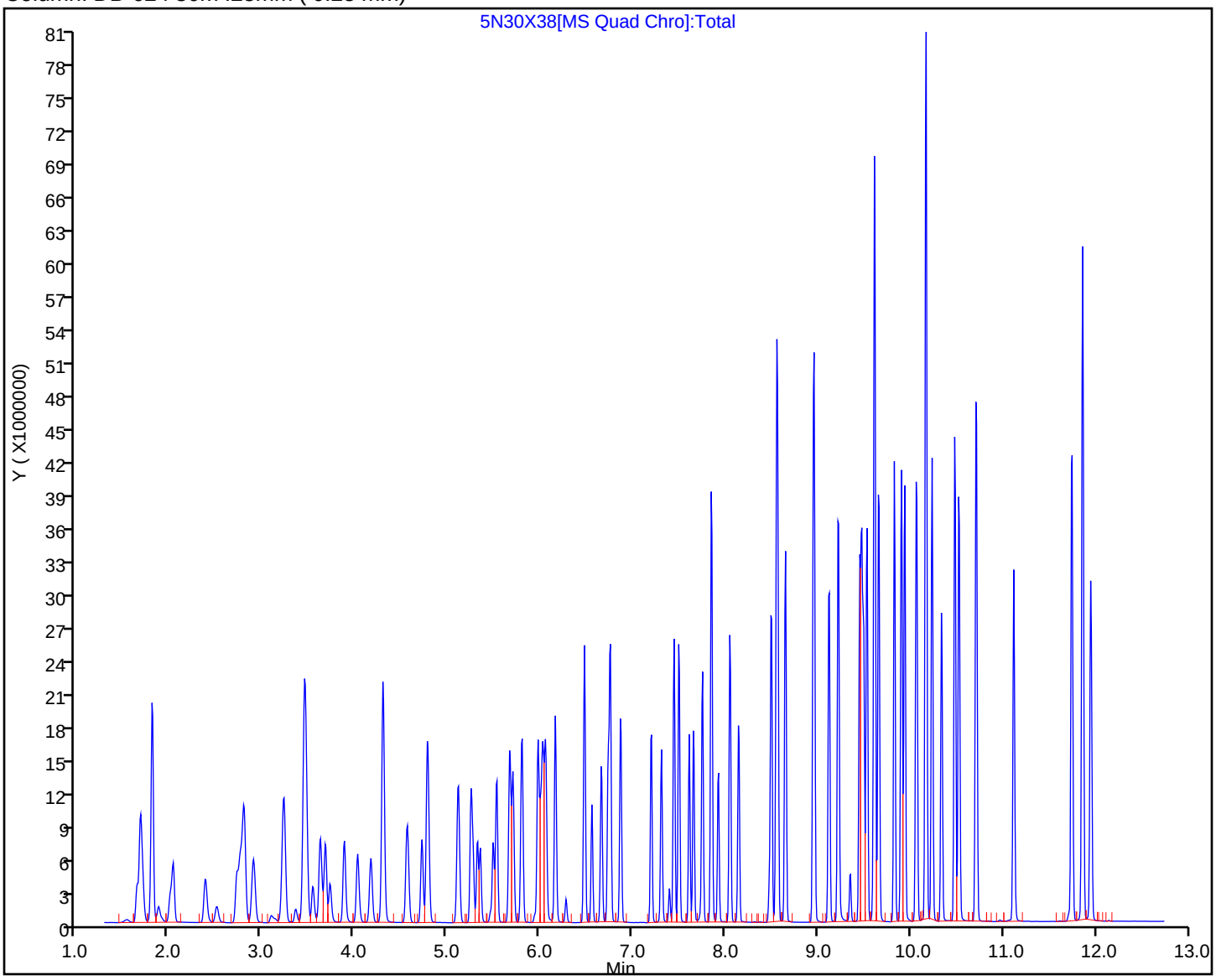
Client ID:

Operator ID: etp33087 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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

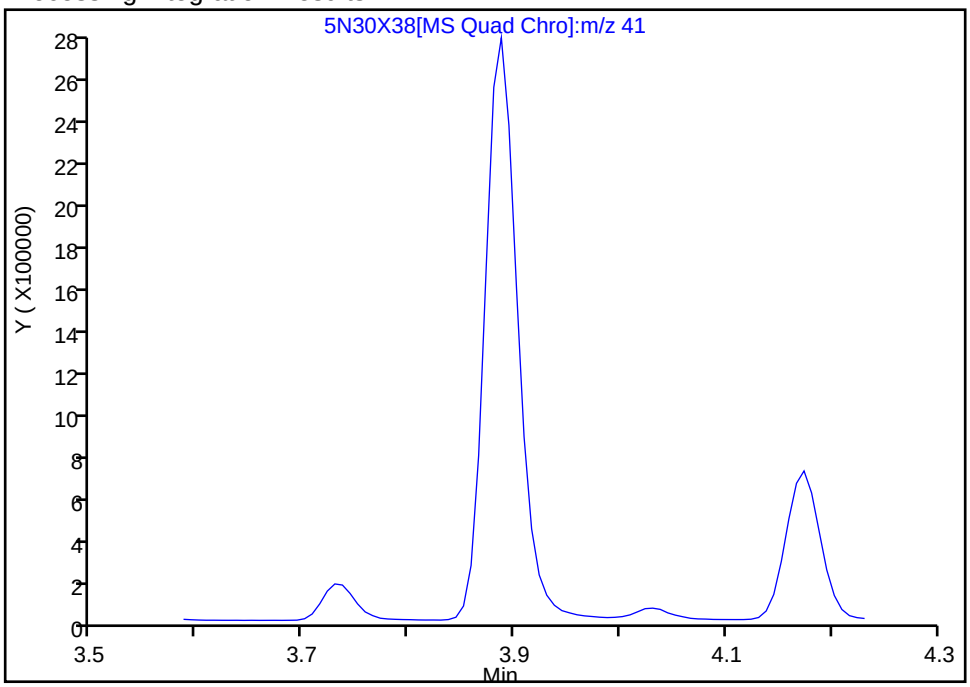
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D				
Injection Date:	01-Dec-2021 04:27:08	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

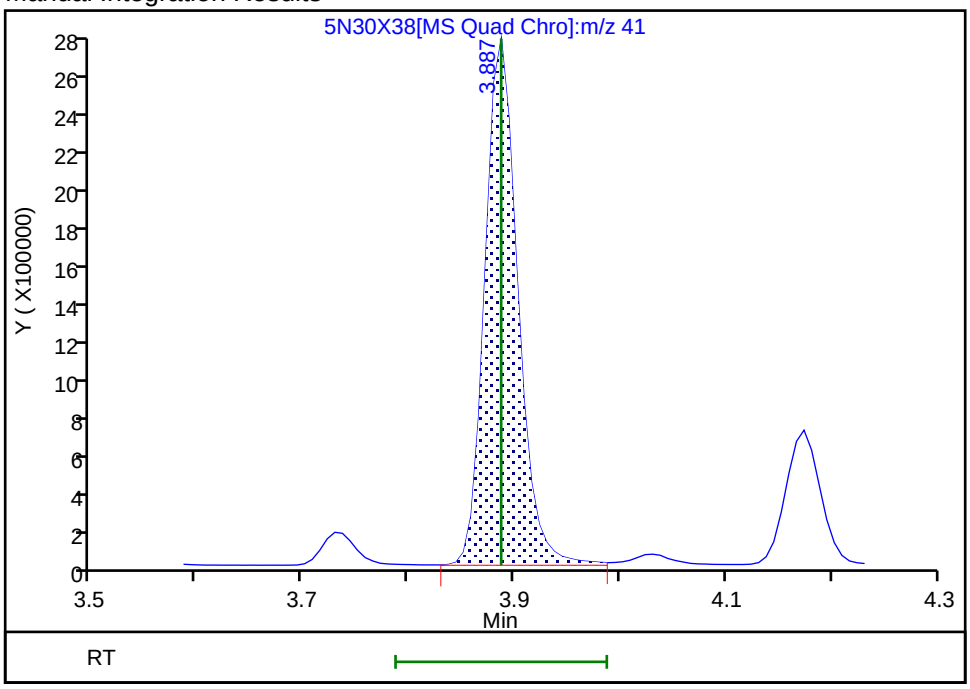
Not Detected
Expected RT: 3.89

Processing Integration Results



Manual Integration Results

RT: 3.89
Area: 6032620
Amount: 66.627593
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:10:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC

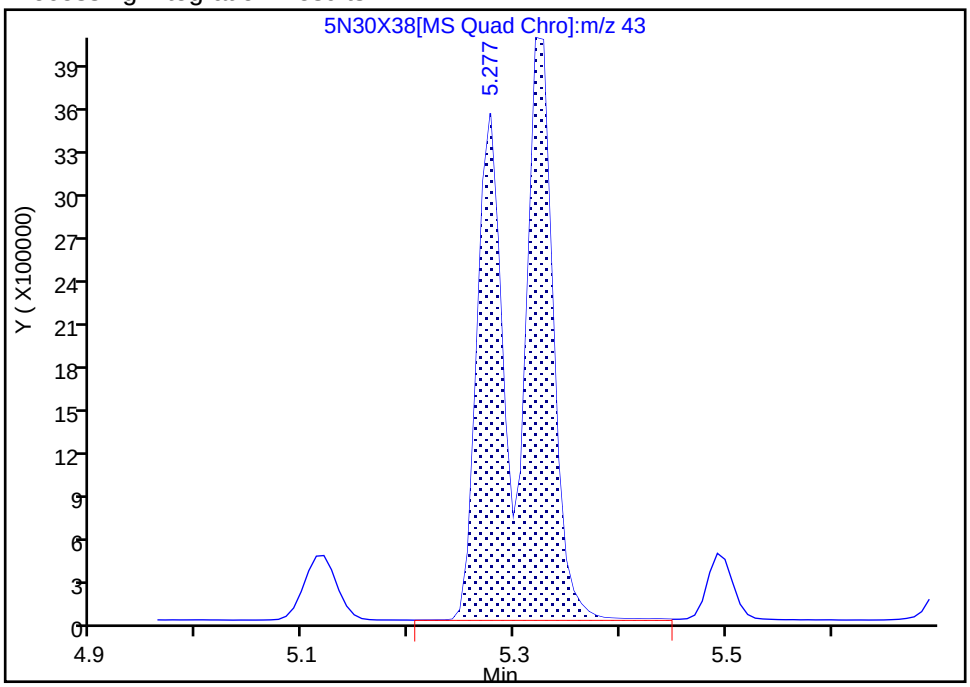
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D				
Injection Date:	01-Dec-2021 04:27:08	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

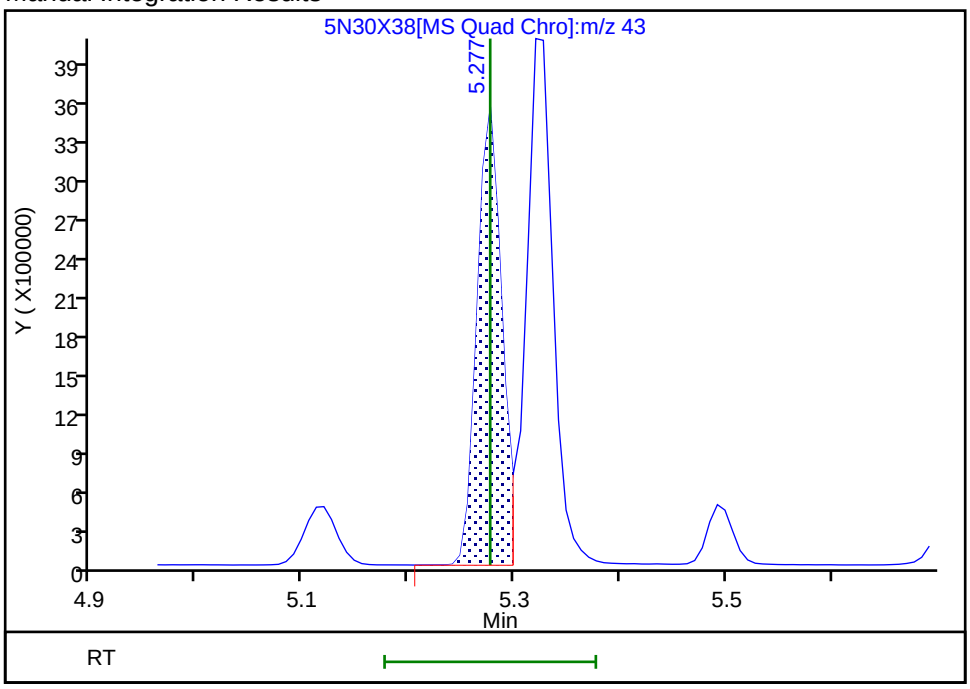
Processing Integration Results

RT: 5.28
Area: 12859431
Amount: 143.3626
Amount Units: ppb v/v



Manual Integration Results

RT: 5.28
Area: 5690804
Amount: 74.005038
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:10:52
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

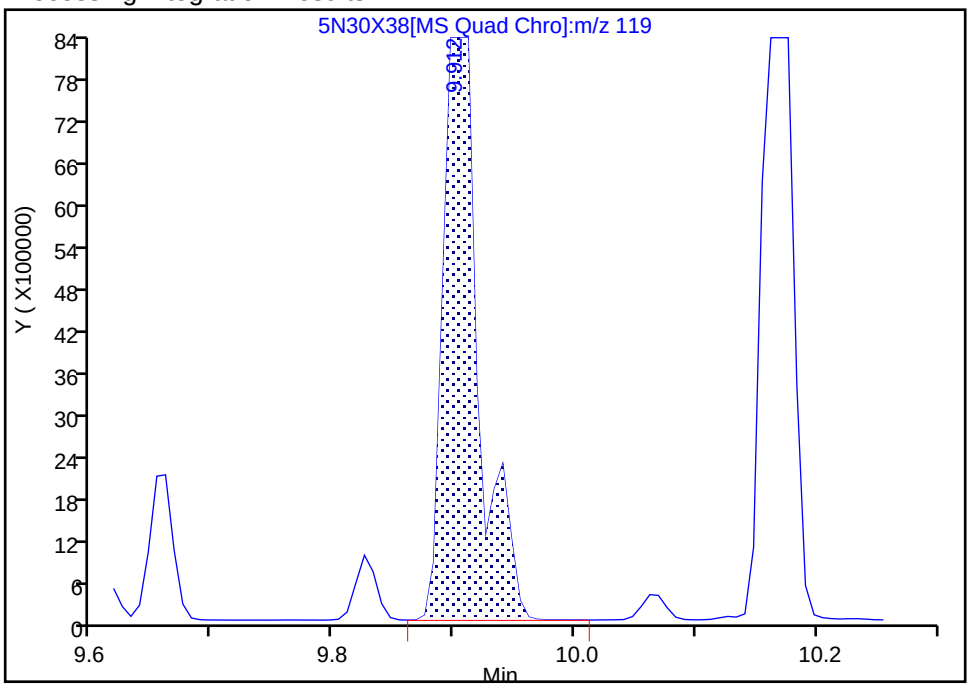
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D				
Injection Date:	01-Dec-2021 04:27:08	Instrument ID:	HP22820		
Lims ID:	IC				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

85 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

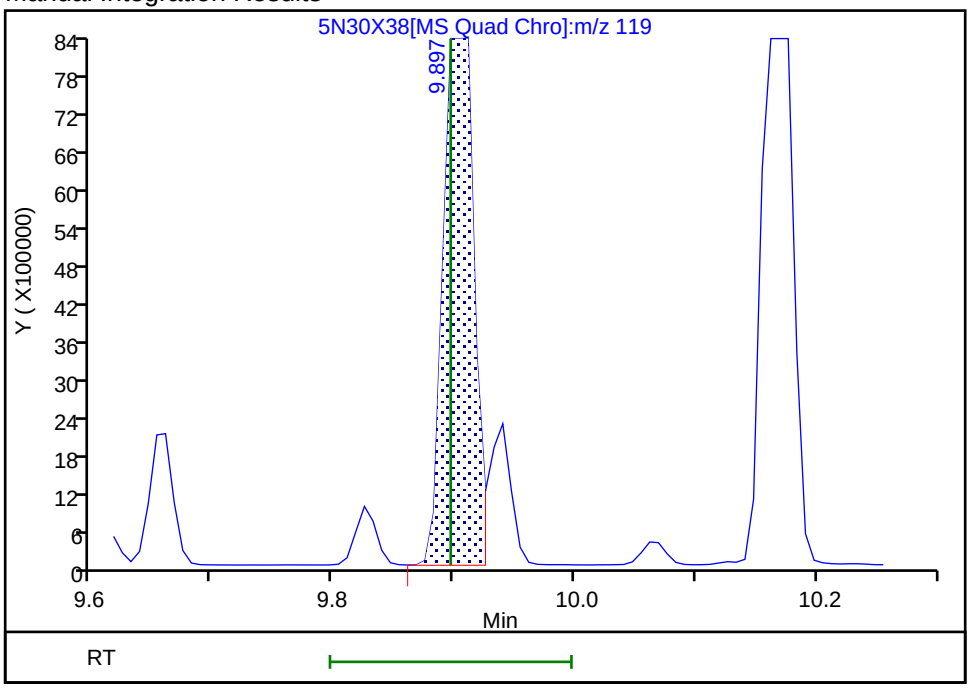
Processing Integration Results

RT: 9.91
Area: 17619150
Amount: 62.829540
Amount Units: ppb v/v



Manual Integration Results

RT: 9.90
Area: 14907902
Amount: 54.095224
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 17:11:37
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Calibration / Propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

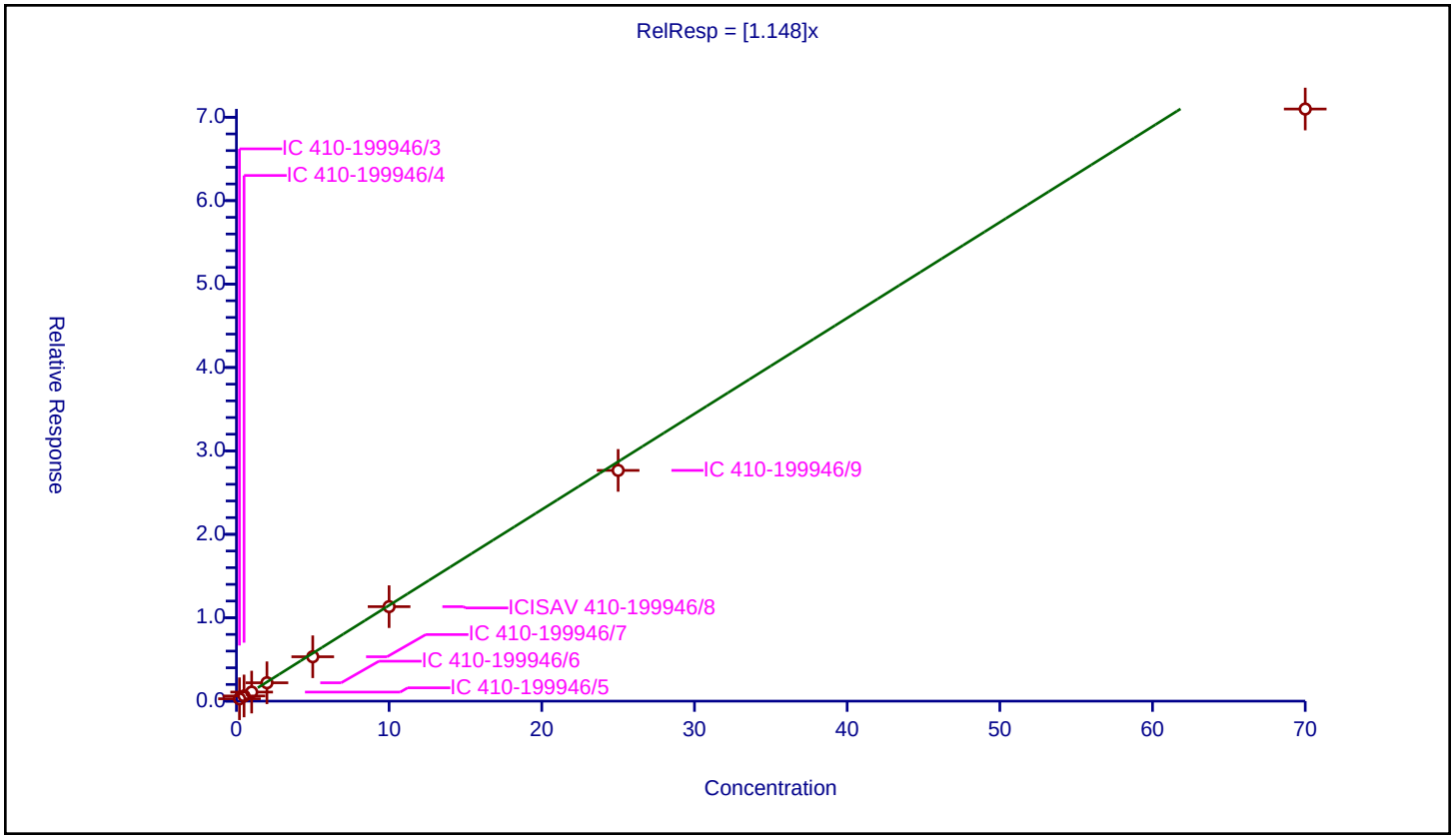
Curve Coefficients

Intercept:	0
Slope:	1.148

Error Coefficients

Standard Error:	940000
Relative Standard Error:	11.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.286943	10.0	284900.0	1.434714	Y
2	IC 410-199946/4	0.5	0.62253	10.0	272244.0	1.24506	Y
3	IC 410-199946/5	1.0	1.087503	10.0	280229.0	1.087503	Y
4	IC 410-199946/6	2.0	2.202525	10.0	283797.0	1.101263	Y
5	IC 410-199946/7	5.0	5.319951	10.0	292467.0	1.06399	Y
6	ICISAV 410-199946/8	10.0	11.327318	10.0	279963.0	1.132732	Y
7	IC 410-199946/9	25.0	27.661098	10.0	301509.0	1.106444	Y
8	IC 410-199946/10	70.0	70.984369	10.0	326026.0	1.014062	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

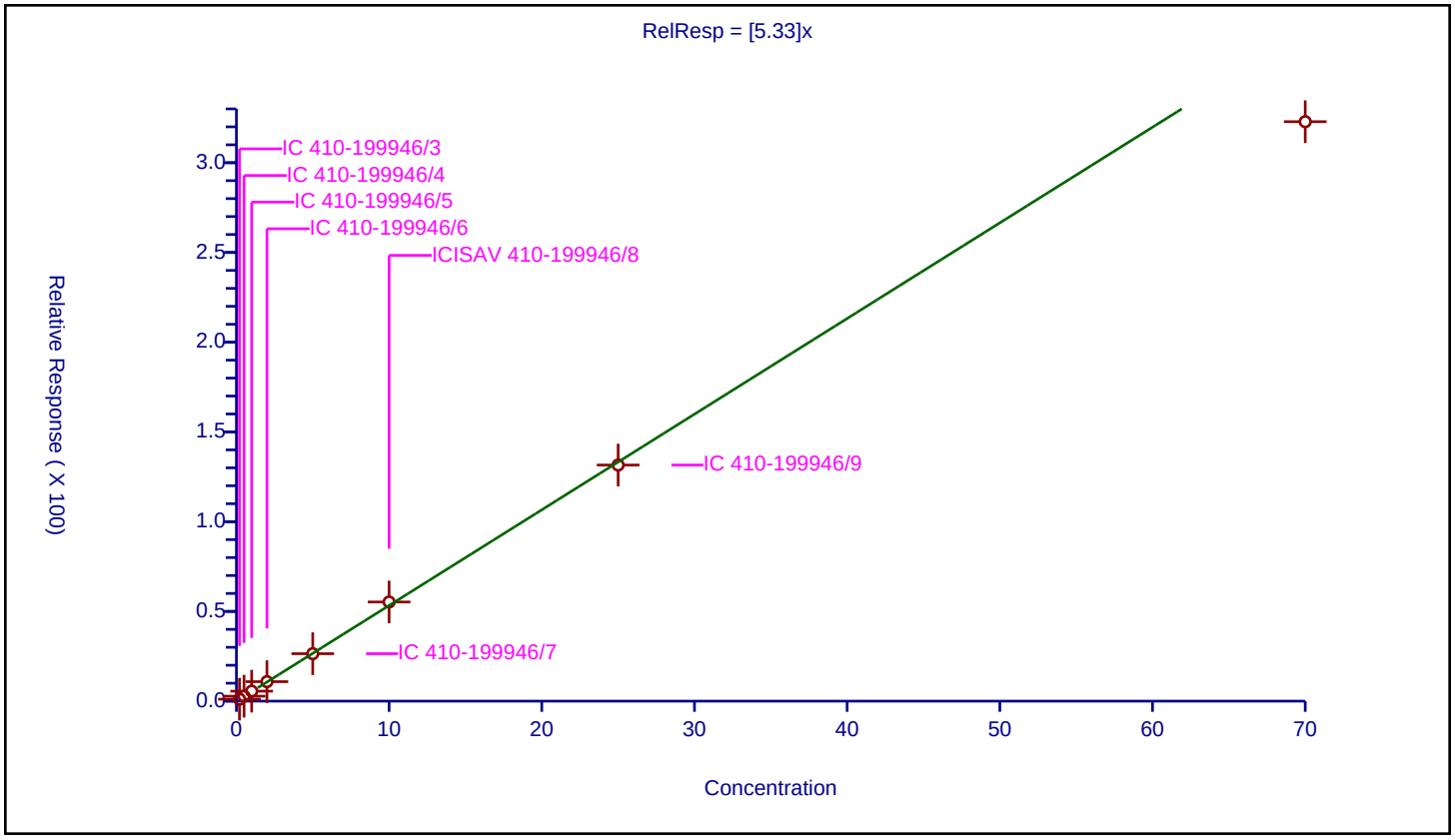
Curve Coefficients

Intercept:	0
Slope:	5.33

Error Coefficients

Standard Error:	4300000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	1.085188	10.0	284900.0	5.425939	Y
2	IC 410-199946/4	0.5	2.774129	10.0	272244.0	5.548258	Y
3	IC 410-199946/5	1.0	5.554921	10.0	280229.0	5.554921	Y
4	IC 410-199946/6	2.0	10.851031	10.0	283797.0	5.425515	Y
5	IC 410-199946/7	5.0	26.432315	10.0	292467.0	5.286463	Y
6	ICISAV 410-199946/8	10.0	55.244514	10.0	279963.0	5.524451	Y
7	IC 410-199946/9	25.0	131.549738	10.0	301509.0	5.26199	Y
8	IC 410-199946/10	70.0	322.881365	10.0	326026.0	4.612591	Y



Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

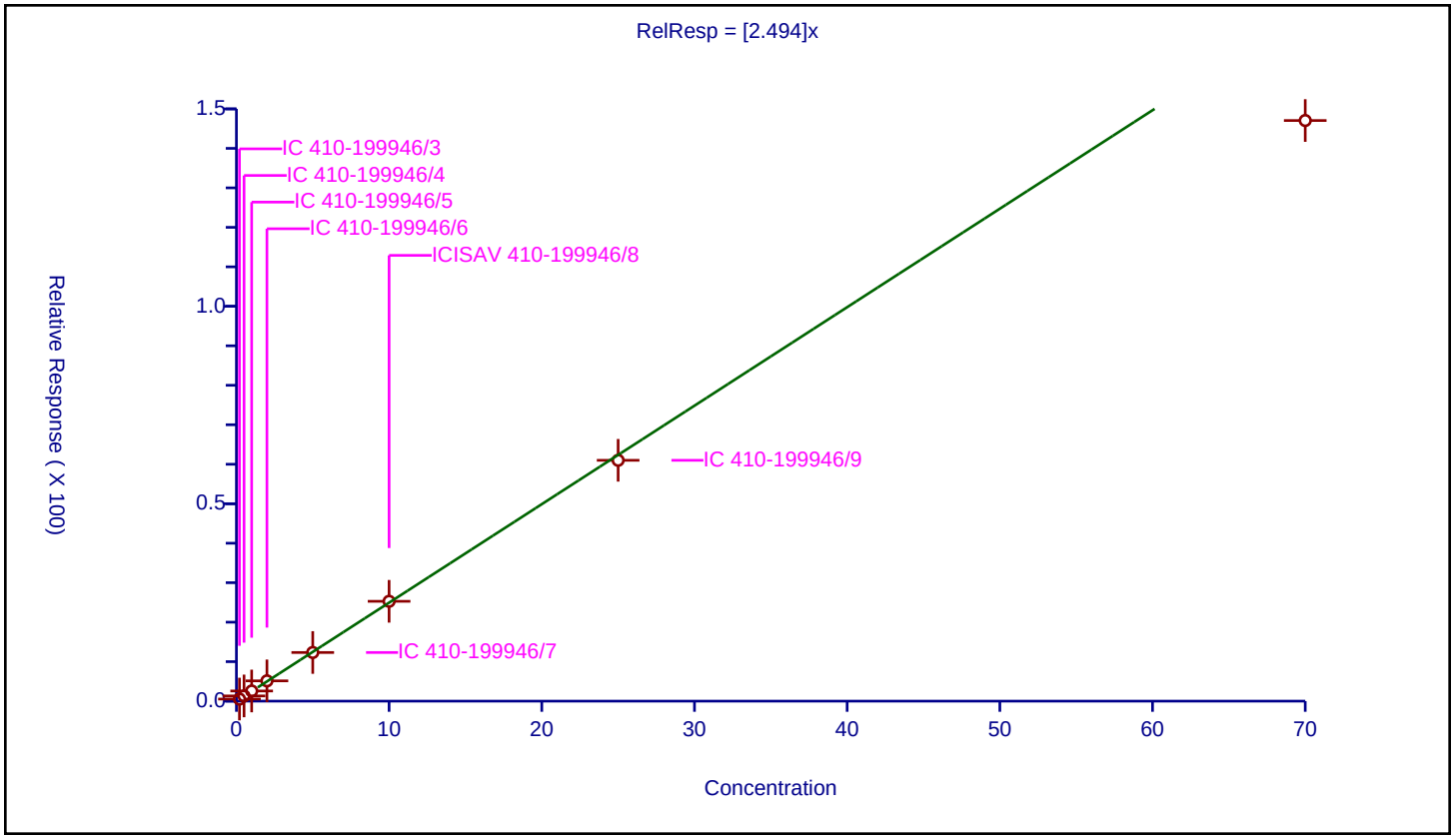
Curve Coefficients

Intercept:	0
Slope:	2.494

Error Coefficients

Standard Error:	1960000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.529414	10.0	284900.0	2.647069	Y
2	IC 410-199946/4	0.5	1.316356	10.0	272244.0	2.632712	Y
3	IC 410-199946/5	1.0	2.57311	10.0	280229.0	2.57311	Y
4	IC 410-199946/6	2.0	5.135678	10.0	283797.0	2.567839	Y
5	IC 410-199946/7	5.0	12.323818	10.0	292467.0	2.464764	Y
6	ICISAV 410-199946/8	10.0	25.286984	10.0	279963.0	2.528698	Y
7	IC 410-199946/9	25.0	60.998279	10.0	301509.0	2.439931	Y
8	IC 410-199946/10	70.0	147.050603	10.0	326026.0	2.100723	Y



Calibration / 1,2-Dichloro-1,1,2,2-tetrafluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

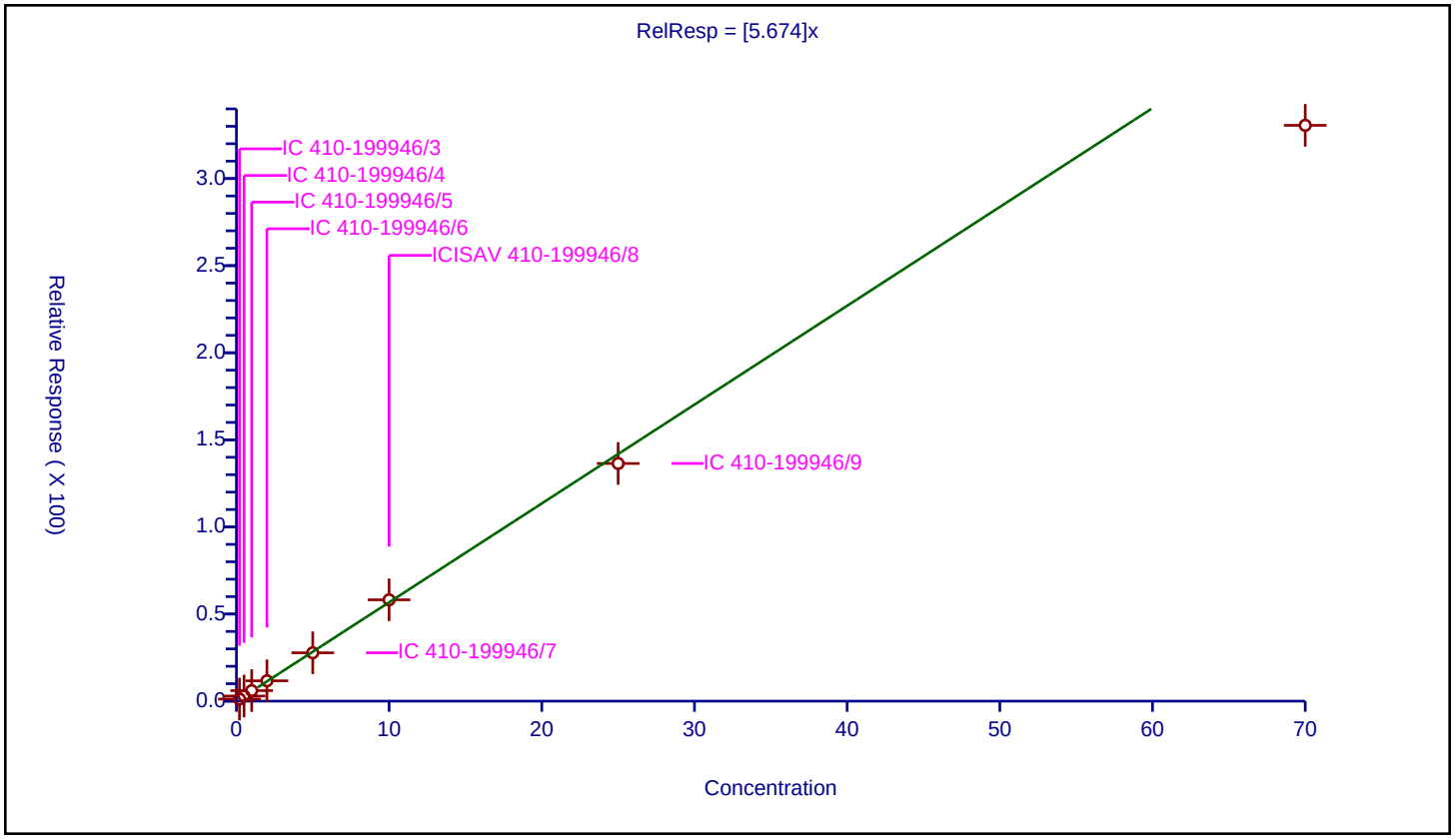
Curve Coefficients

Intercept:	0
Slope:	5.674

Error Coefficients

Standard Error:	4420000
Relative Standard Error:	7.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	1.212074	10.0	284900.0	6.060372	Y
2	IC 410-199946/4	0.5	2.950111	10.0	272244.0	5.900222	Y
3	IC 410-199946/5	1.0	6.045663	10.0	280229.0	6.045663	Y
4	IC 410-199946/6	2.0	11.676198	10.0	283797.0	5.838099	Y
5	IC 410-199946/7	5.0	27.764432	10.0	292467.0	5.552886	Y
6	ICISAV 410-199946/8	10.0	58.17033	10.0	279963.0	5.817033	Y
7	IC 410-199946/9	25.0	136.439808	10.0	301509.0	5.457592	Y
8	IC 410-199946/10	70.0	330.553974	10.0	326026.0	4.7222	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

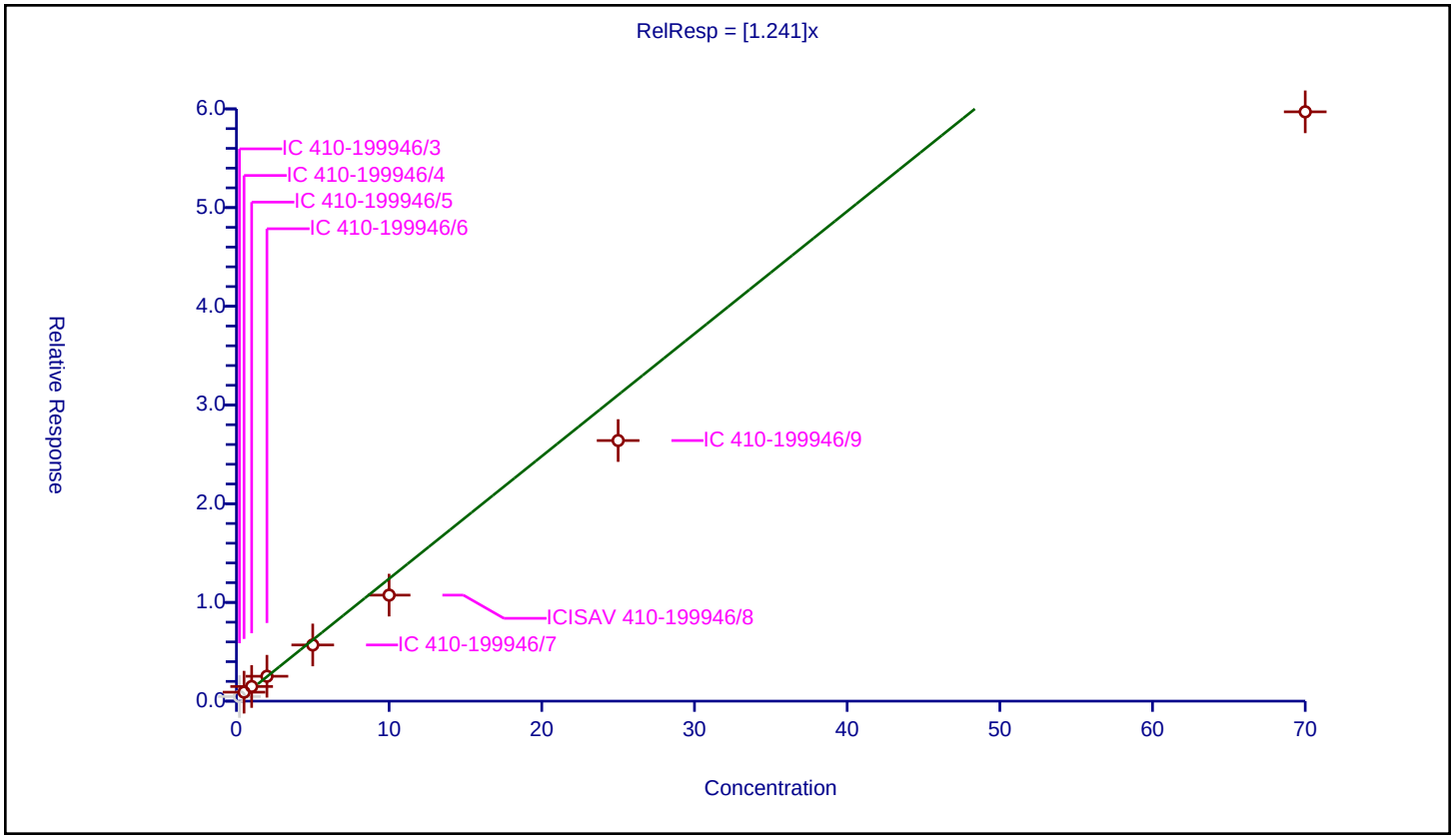
Curve Coefficients

Intercept:	0
Slope:	1.241

Error Coefficients

Standard Error:	871000
Relative Standard Error:	25.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.856

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.467778	10.0	284900.0	2.338891	N
2	IC 410-199946/4	0.5	0.908964	10.0	272244.0	1.817928	Y
3	IC 410-199946/5	1.0	1.483608	10.0	280229.0	1.483608	Y
4	IC 410-199946/6	2.0	2.522155	10.0	283797.0	1.261077	Y
5	IC 410-199946/7	5.0	5.691514	10.0	292467.0	1.138303	Y
6	ICISAV 410-199946/8	10.0	10.741527	10.0	279963.0	1.074153	Y
7	IC 410-199946/9	25.0	26.402064	10.0	301509.0	1.056083	Y
8	IC 410-199946/10	70.0	59.702815	10.0	326026.0	0.852897	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

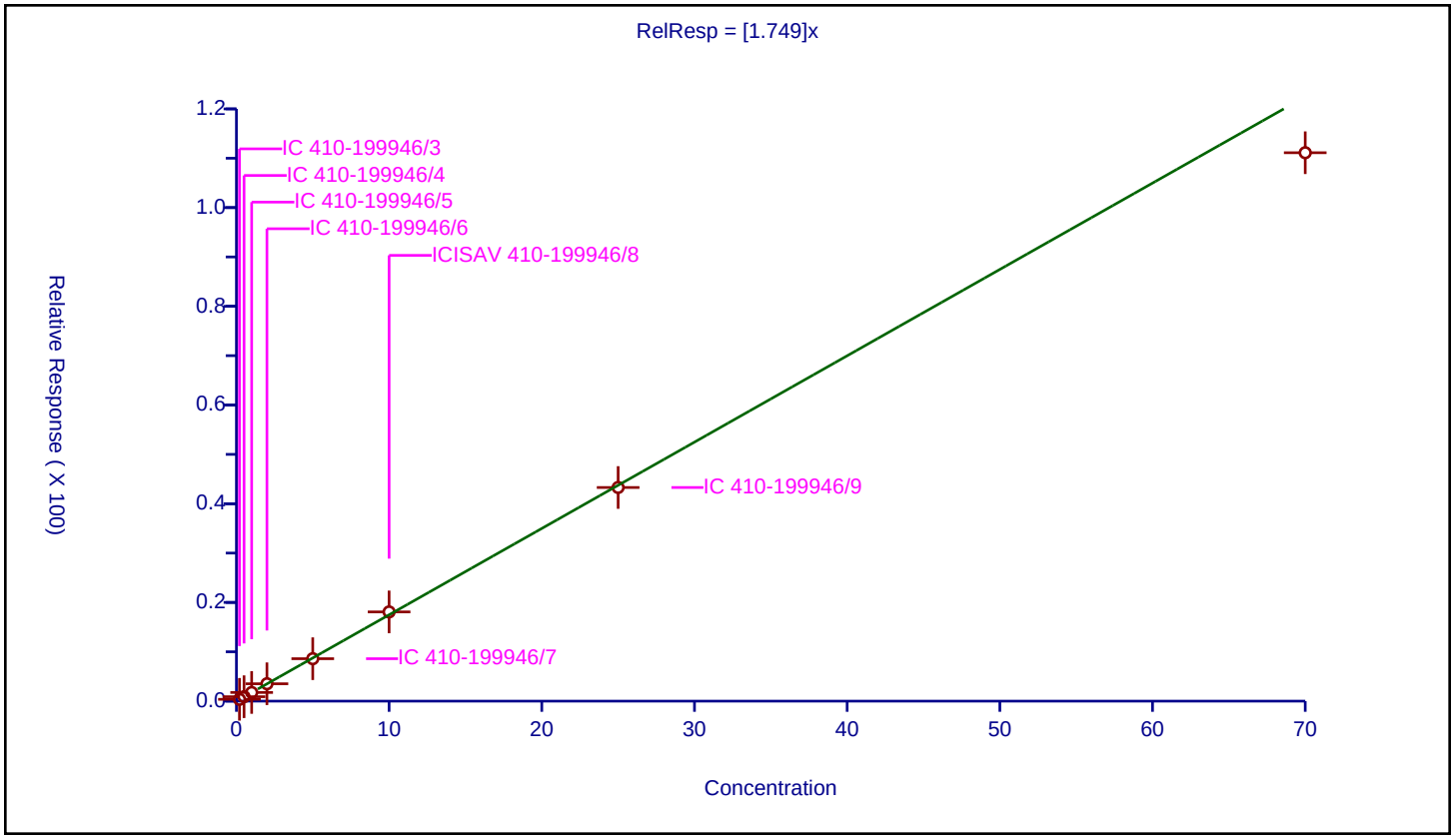
Curve Coefficients

Intercept:	0
Slope:	1.749

Error Coefficients

Standard Error:	1470000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.367532	10.0	284900.0	1.837662	Y
2	IC 410-199946/4	0.5	0.89743	10.0	272244.0	1.79486	Y
3	IC 410-199946/5	1.0	1.755992	10.0	280229.0	1.755992	Y
4	IC 410-199946/6	2.0	3.520967	10.0	283797.0	1.760484	Y
5	IC 410-199946/7	5.0	8.597243	10.0	292467.0	1.719449	Y
6	ICISAV 410-199946/8	10.0	18.080782	10.0	279963.0	1.808078	Y
7	IC 410-199946/9	25.0	43.288625	10.0	301509.0	1.731545	Y
8	IC 410-199946/10	70.0	111.117058	10.0	326026.0	1.587387	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

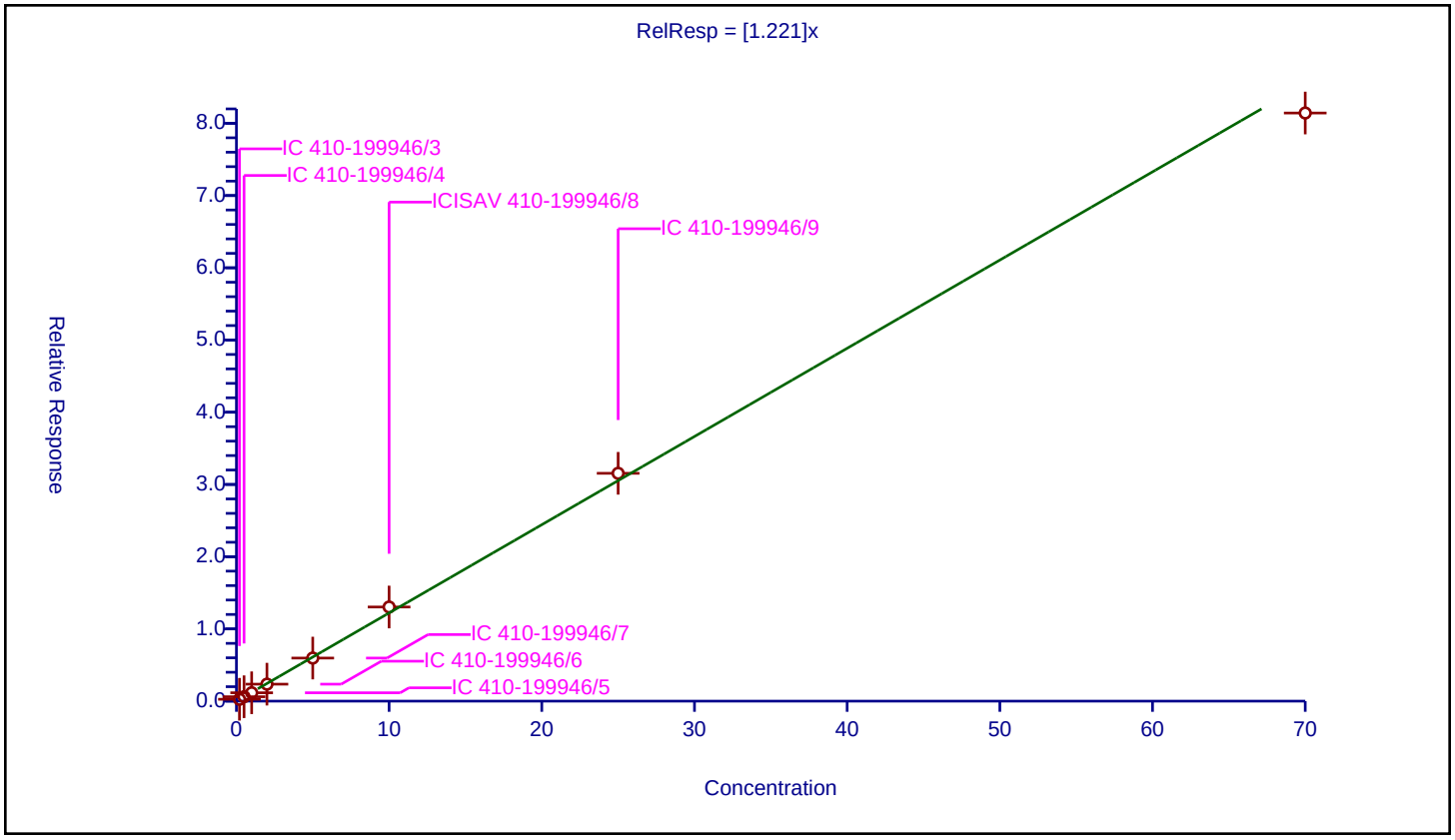
Curve Coefficients

Intercept:	0
Slope:	1.221

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.258161	10.0	284900.0	1.290804	Y
2	IC 410-199946/4	0.5	0.611804	10.0	272244.0	1.223608	Y
3	IC 410-199946/5	1.0	1.158874	10.0	280229.0	1.158874	Y
4	IC 410-199946/6	2.0	2.35235	10.0	283797.0	1.176175	Y
5	IC 410-199946/7	5.0	5.965015	10.0	292467.0	1.193003	Y
6	ICISAV 410-199946/8	10.0	13.032865	10.0	279963.0	1.303287	Y
7	IC 410-199946/9	25.0	31.547118	10.0	301509.0	1.261885	Y
8	IC 410-199946/10	70.0	81.428475	10.0	326026.0	1.163264	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

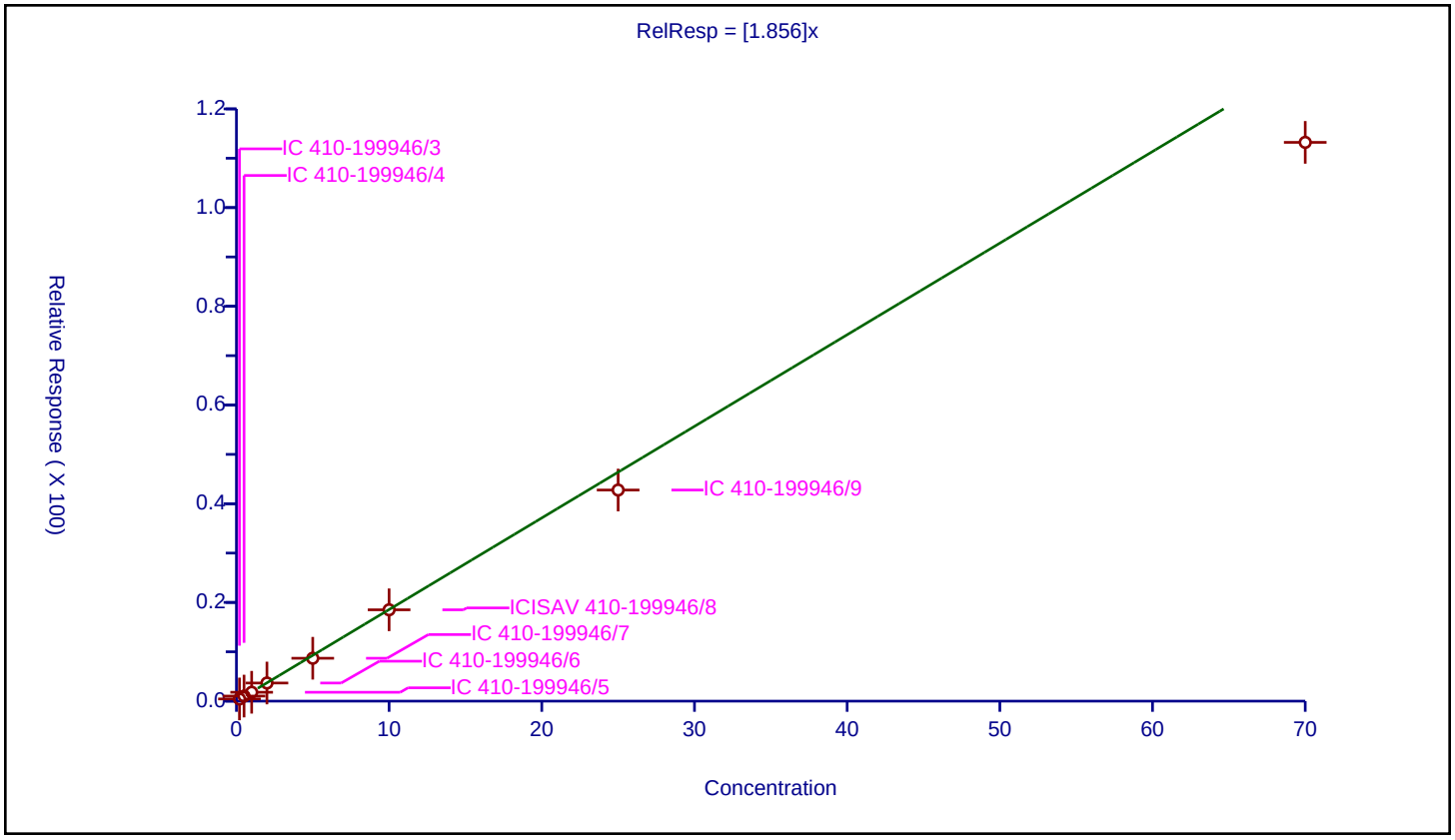
Curve Coefficients

Intercept:	0
Slope:	1.856

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	10.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.447104	10.0	284900.0	2.235521	Y
2	IC 410-199946/4	0.5	1.030656	10.0	272244.0	2.061313	Y
3	IC 410-199946/5	1.0	1.798422	10.0	280229.0	1.798422	Y
4	IC 410-199946/6	2.0	3.669841	10.0	283797.0	1.834921	Y
5	IC 410-199946/7	5.0	8.690109	10.0	292467.0	1.738022	Y
6	ICISAV 410-199946/8	10.0	18.507267	10.0	279963.0	1.850727	Y
7	IC 410-199946/9	25.0	42.773947	10.0	301509.0	1.710958	Y
8	IC 410-199946/10	70.0	113.213946	10.0	326026.0	1.617342	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

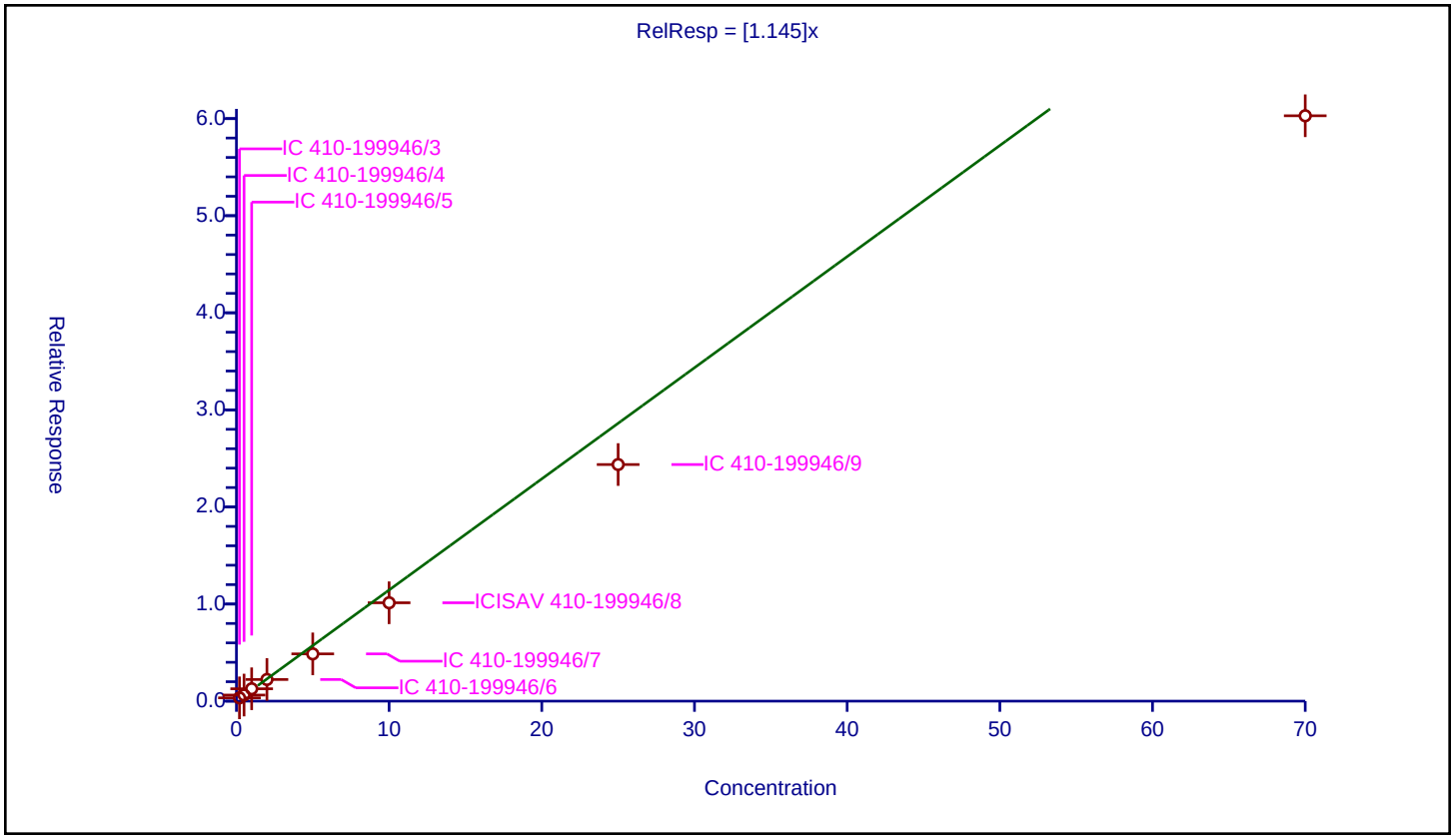
Curve Coefficients

Intercept:	0
Slope:	1.145

Error Coefficients

Standard Error:	803000
Relative Standard Error:	23.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.908

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.338435	10.0	284900.0	1.692173	Y
2	IC 410-199946/4	0.5	0.626534	10.0	272244.0	1.253067	Y
3	IC 410-199946/5	1.0	1.274993	10.0	280229.0	1.274993	Y
4	IC 410-199946/6	2.0	2.227966	10.0	283797.0	1.113983	Y
5	IC 410-199946/7	5.0	4.867216	10.0	292467.0	0.973443	Y
6	ICISAV 410-199946/8	10.0	10.131553	10.0	279963.0	1.013155	Y
7	IC 410-199946/9	25.0	24.368228	10.0	301509.0	0.974729	Y
8	IC 410-199946/10	70.0	60.292369	10.0	326026.0	0.86132	Y



Calibration / Vinyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

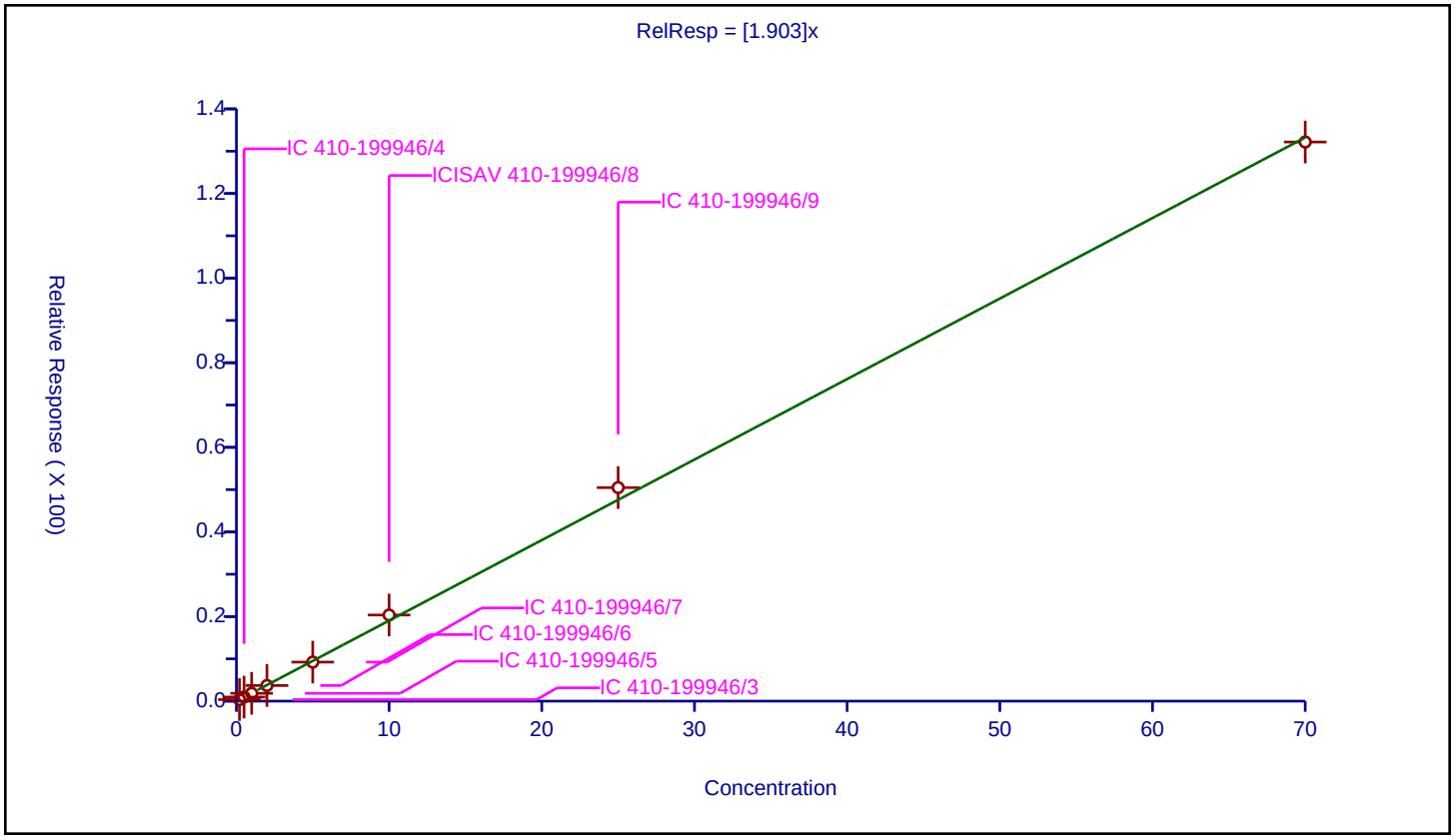
Curve Coefficients

Intercept:	0
Slope:	1.903

Error Coefficients

Standard Error:	1740000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.362443	10.0	284900.0	1.812215	Y
2	IC 410-199946/4	0.5	0.96487	10.0	272244.0	1.929739	Y
3	IC 410-199946/5	1.0	1.849666	10.0	280229.0	1.849666	Y
4	IC 410-199946/6	2.0	3.694225	10.0	283797.0	1.847113	Y
5	IC 410-199946/7	5.0	9.227742	10.0	292467.0	1.845548	Y
6	ICISAV 410-199946/8	10.0	20.354975	10.0	279963.0	2.035498	Y
7	IC 410-199946/9	25.0	50.479024	10.0	301509.0	2.019161	Y
8	IC 410-199946/10	70.0	132.174152	10.0	326026.0	1.888202	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

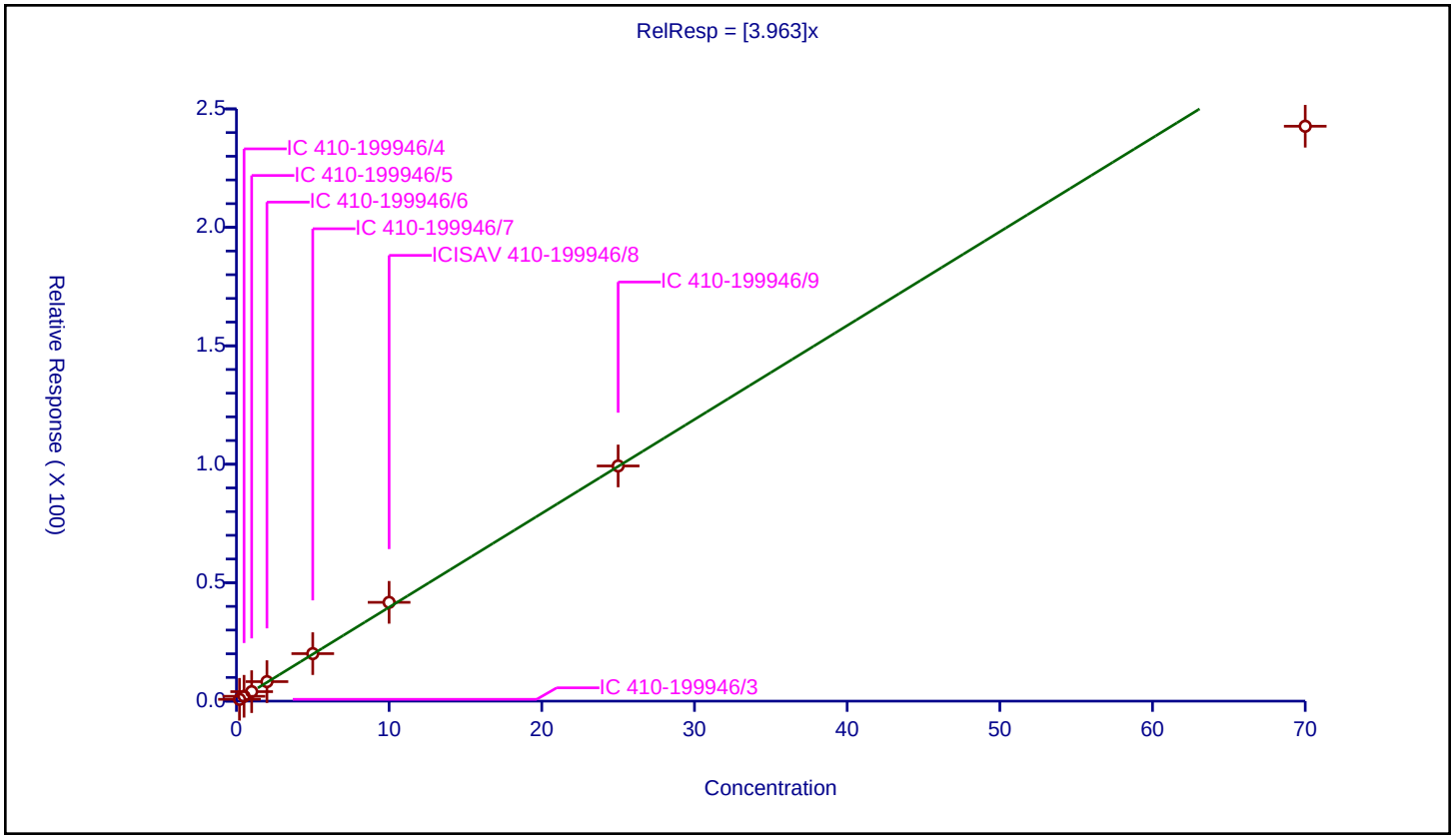
Curve Coefficients

Intercept:	0
Slope:	3.963

Error Coefficients

Standard Error:	3240000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.770937	10.0	284900.0	3.854686	Y
2	IC 410-199946/4	0.5	2.052828	10.0	272244.0	4.105655	Y
3	IC 410-199946/5	1.0	4.010399	10.0	280229.0	4.010399	Y
4	IC 410-199946/6	2.0	8.232363	10.0	283797.0	4.116182	Y
5	IC 410-199946/7	5.0	20.049818	10.0	292467.0	4.009964	Y
6	ICISAV 410-199946/8	10.0	41.699403	10.0	279963.0	4.16994	Y
7	IC 410-199946/9	25.0	99.284565	10.0	301509.0	3.971383	Y
8	IC 410-199946/10	70.0	242.685951	10.0	326026.0	3.466942	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

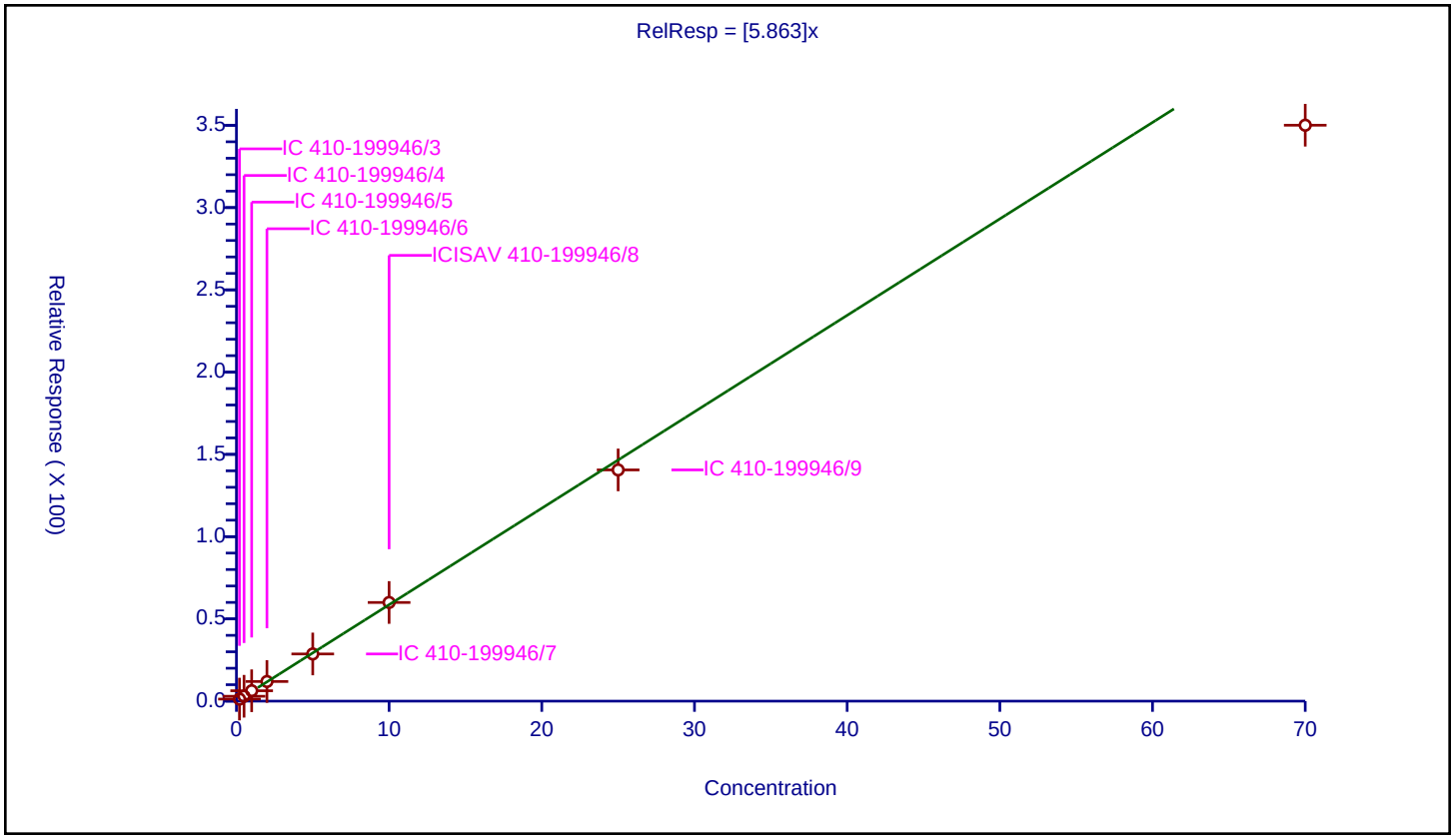
Curve Coefficients

Intercept:	0
Slope:	5.863

Error Coefficients

Standard Error:	4660000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	1.260372	10.0	284900.0	6.30186	Y
2	IC 410-199946/4	0.5	2.977917	10.0	272244.0	5.955834	Y
3	IC 410-199946/5	1.0	6.320973	10.0	280229.0	6.320973	Y
4	IC 410-199946/6	2.0	11.93952	10.0	283797.0	5.96976	Y
5	IC 410-199946/7	5.0	28.675372	10.0	292467.0	5.735074	Y
6	ICISAV 410-199946/8	10.0	59.96696	10.0	279963.0	5.996696	Y
7	IC 410-199946/9	25.0	140.552819	10.0	301509.0	5.622113	Y
8	IC 410-199946/10	70.0	350.081466	10.0	326026.0	5.001164	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

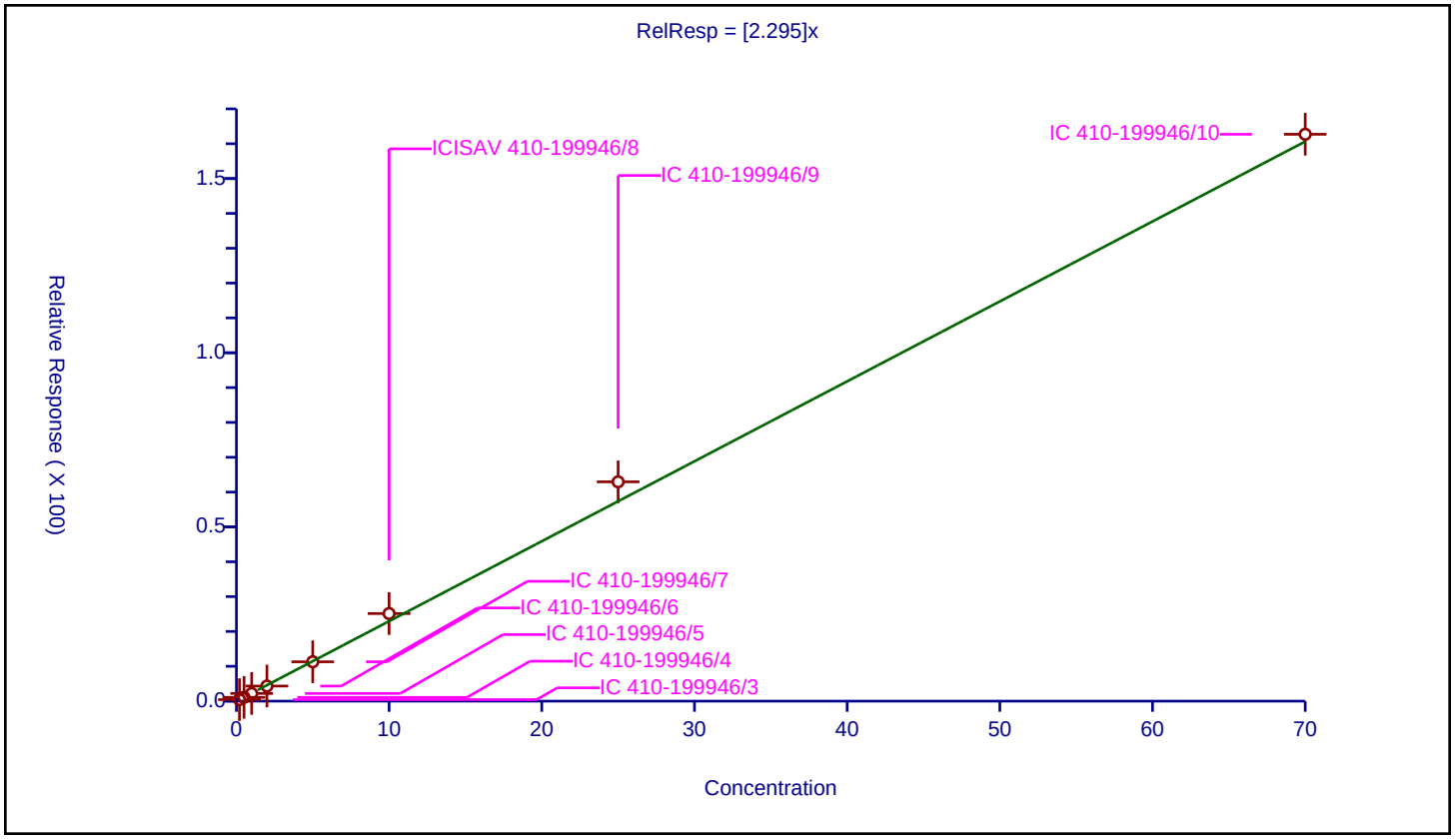
Curve Coefficients

Intercept:	0
Slope:	2.295

Error Coefficients

Standard Error:	2150000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.441067	10.0	284900.0	2.205335	Y
2	IC 410-199946/4	0.5	1.083807	10.0	272244.0	2.167614	Y
3	IC 410-199946/5	1.0	2.203162	10.0	280229.0	2.203162	Y
4	IC 410-199946/6	2.0	4.332674	10.0	283797.0	2.166337	Y
5	IC 410-199946/7	5.0	11.297069	10.0	292467.0	2.259414	Y
6	ICISAV 410-199946/8	10.0	25.139108	10.0	279963.0	2.513911	Y
7	IC 410-199946/9	25.0	62.952283	10.0	301509.0	2.518091	Y
8	IC 410-199946/10	70.0	162.717145	10.0	326026.0	2.324531	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

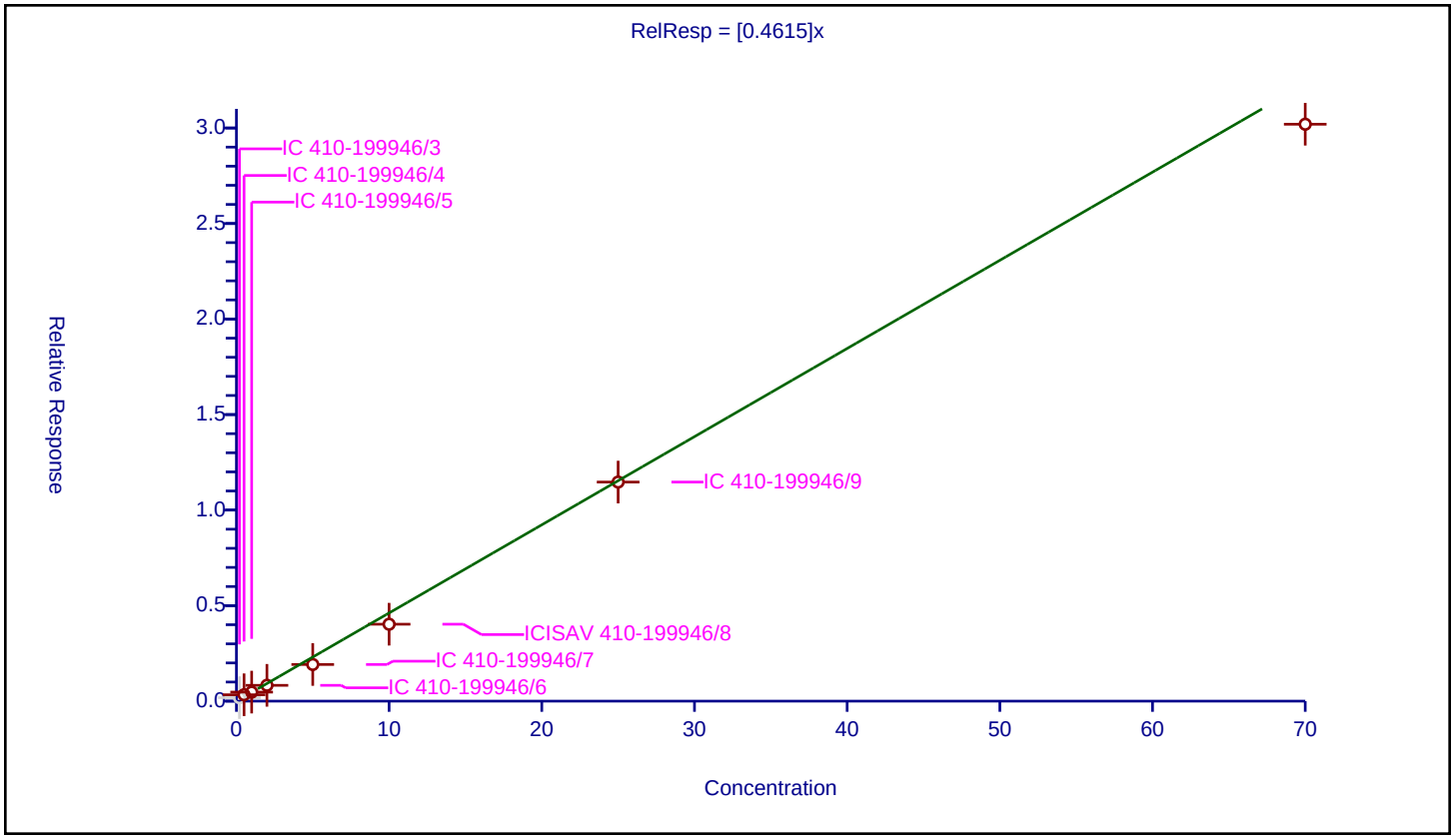
Curve Coefficients

Intercept:	0
Slope:	0.4615

Error Coefficients

Standard Error:	429000
Relative Standard Error:	20.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.918

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.183327	10.0	284900.0	0.916637	N
2	IC 410-199946/4	0.5	0.333671	10.0	272244.0	0.667343	Y
3	IC 410-199946/5	1.0	0.472828	10.0	280229.0	0.472828	Y
4	IC 410-199946/6	2.0	0.827634	10.0	283797.0	0.413817	Y
5	IC 410-199946/7	5.0	1.918302	10.0	292467.0	0.38366	Y
6	ICISAV 410-199946/8	10.0	4.026389	10.0	279963.0	0.402639	Y
7	IC 410-199946/9	25.0	11.466756	10.0	301509.0	0.45867	Y
8	IC 410-199946/10	70.0	30.196365	10.0	326026.0	0.431377	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

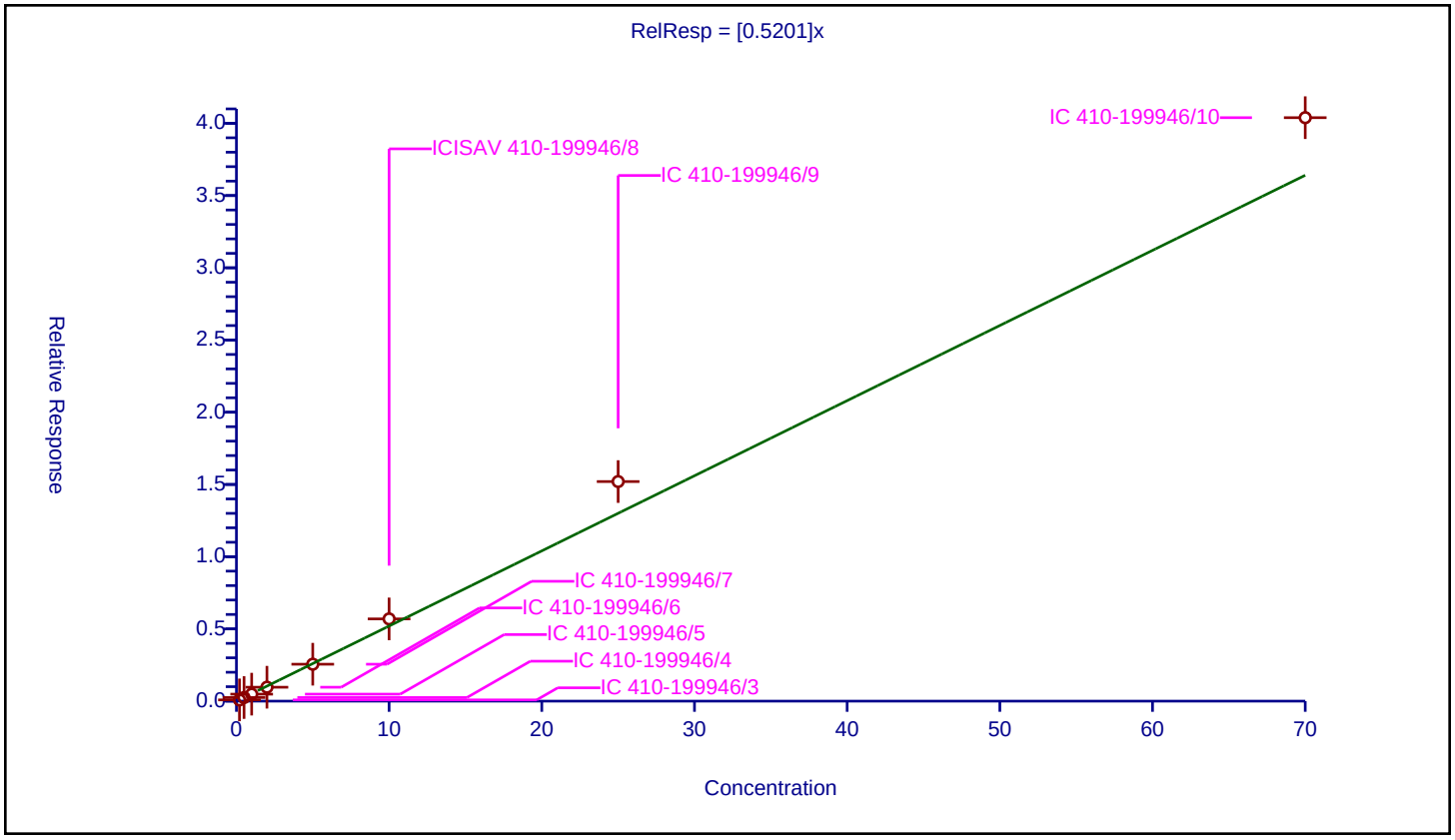
Curve Coefficients

Intercept:	0
Slope:	0.5201

Error Coefficients

Standard Error:	531000
Relative Standard Error:	11.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.08582	10.0	284900.0	0.429098	Y
2	IC 410-199946/4	0.5	0.249556	10.0	272244.0	0.499111	Y
3	IC 410-199946/5	1.0	0.484568	10.0	280229.0	0.484568	Y
4	IC 410-199946/6	2.0	0.963964	10.0	283797.0	0.481982	Y
5	IC 410-199946/7	5.0	2.557143	10.0	292467.0	0.511429	Y
6	ICISAV 410-199946/8	10.0	5.693145	10.0	279963.0	0.569315	Y
7	IC 410-199946/9	25.0	15.201603	10.0	301509.0	0.608064	Y
8	IC 410-199946/10	70.0	40.3923	10.0	326026.0	0.577033	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

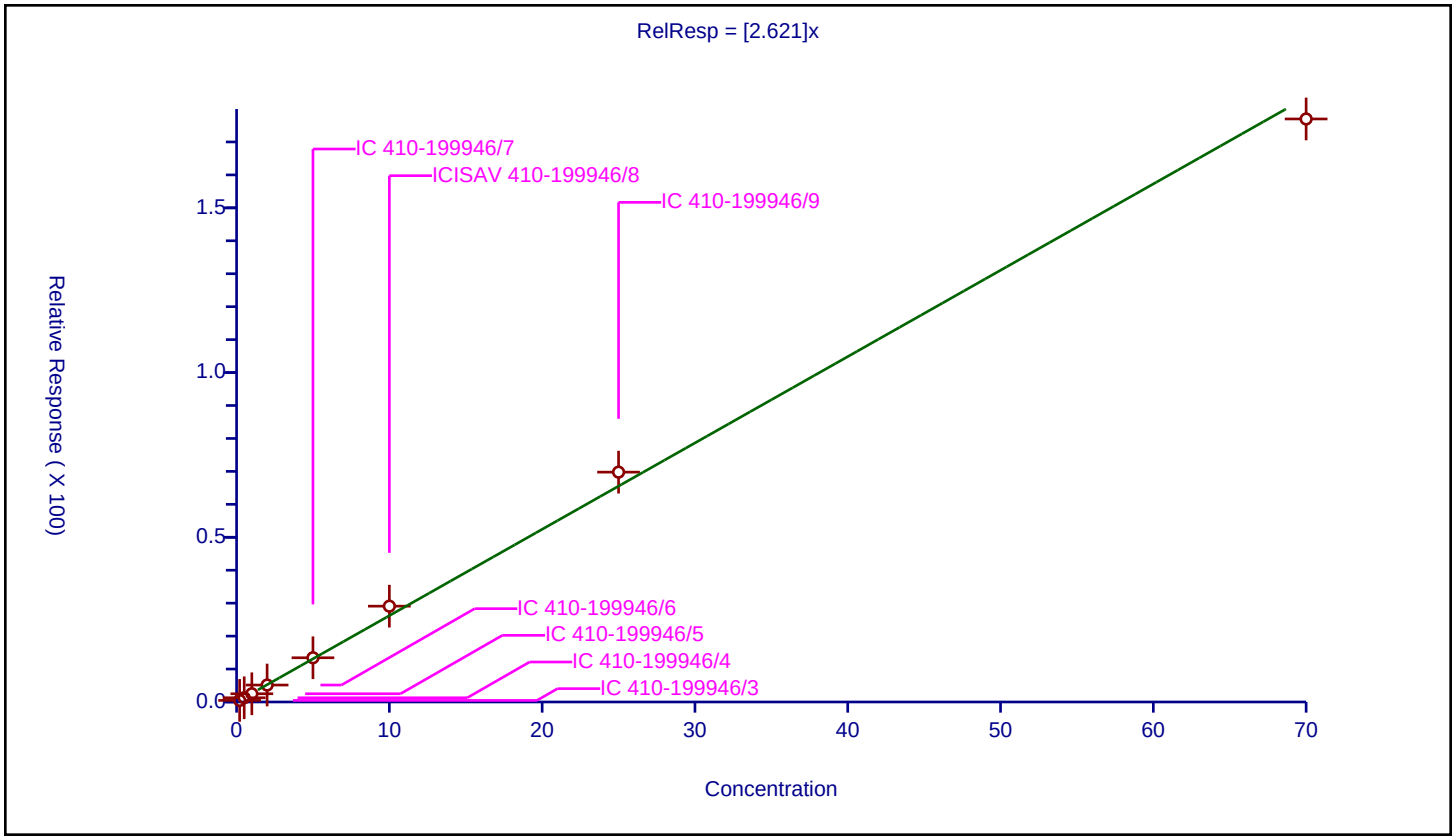
Curve Coefficients

Intercept:	0
Slope:	2.621

Error Coefficients

Standard Error:	2350000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.48252	10.0	284900.0	2.412601	Y
2	IC 410-199946/4	0.5	1.286199	10.0	272244.0	2.572398	Y
3	IC 410-199946/5	1.0	2.499884	10.0	280229.0	2.499884	Y
4	IC 410-199946/6	2.0	5.141985	10.0	283797.0	2.570993	Y
5	IC 410-199946/7	5.0	13.42148	10.0	292467.0	2.684296	Y
6	ICISAV 410-199946/8	10.0	29.084629	10.0	279963.0	2.908463	Y
7	IC 410-199946/9	25.0	69.775761	10.0	301509.0	2.79103	Y
8	IC 410-199946/10	70.0	176.977726	10.0	326026.0	2.528253	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

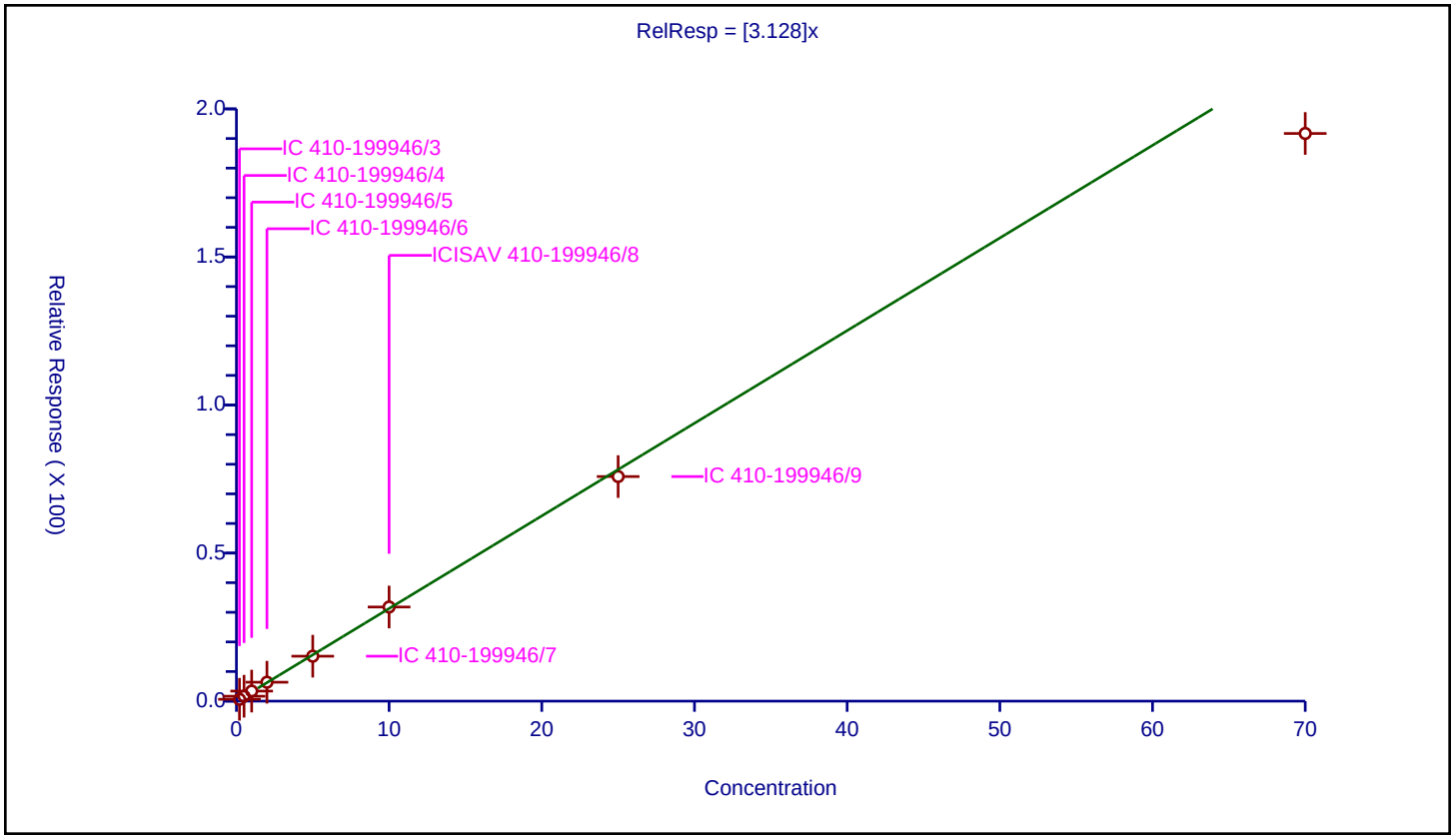
Curve Coefficients

Intercept:	0
Slope:	3.128

Error Coefficients

Standard Error:	2540000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.627308	10.0	284900.0	3.136539	Y
2	IC 410-199946/4	0.5	1.654949	10.0	272244.0	3.309898	Y
3	IC 410-199946/5	1.0	3.394545	10.0	280229.0	3.394545	Y
4	IC 410-199946/6	2.0	6.394536	10.0	283797.0	3.197268	Y
5	IC 410-199946/7	5.0	15.174362	10.0	292467.0	3.034872	Y
6	ICISAV 410-199946/8	10.0	31.794023	10.0	279963.0	3.179402	Y
7	IC 410-199946/9	25.0	75.841418	10.0	301509.0	3.033657	Y
8	IC 410-199946/10	70.0	191.697993	10.0	326026.0	2.738543	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

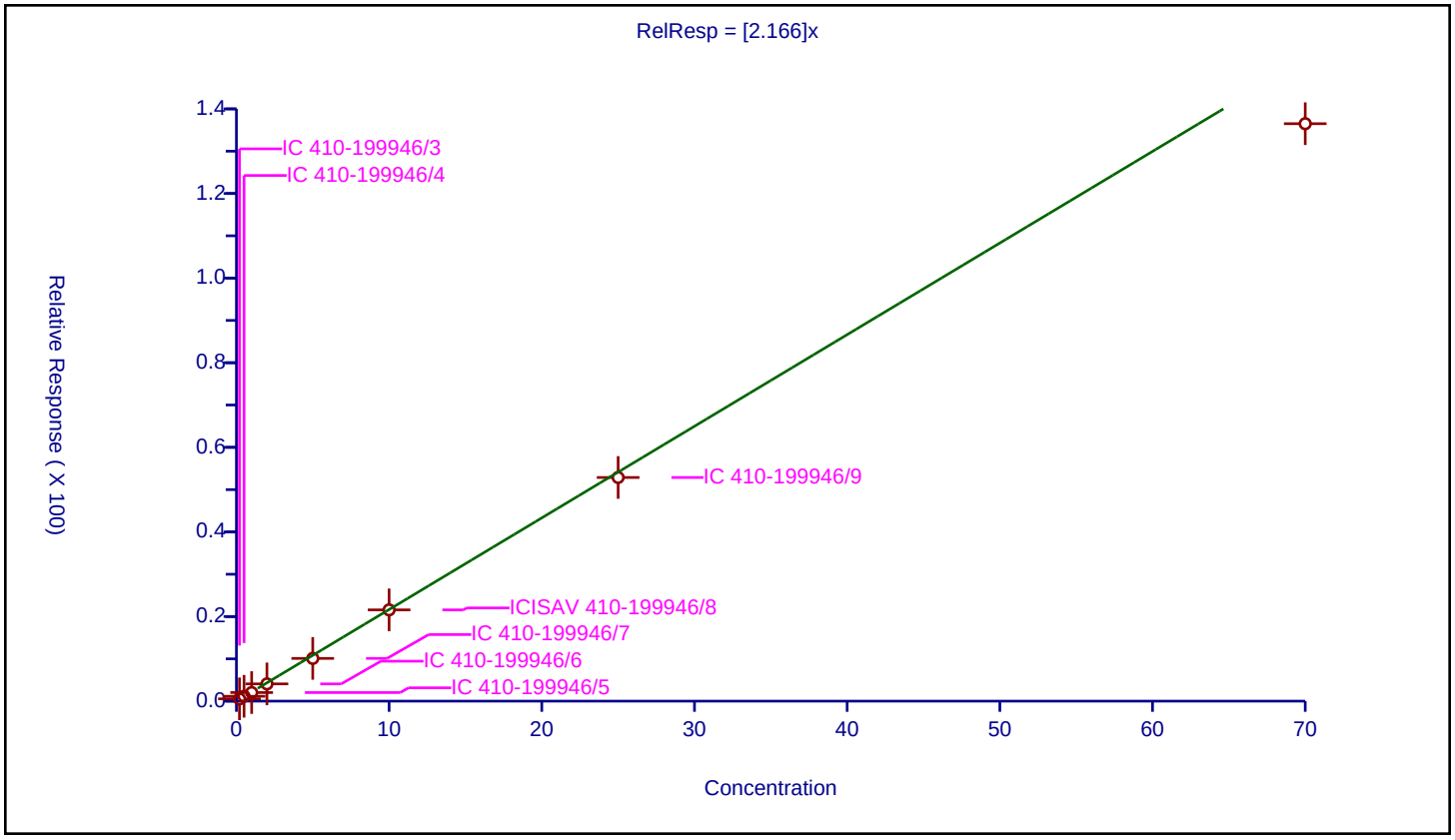
Curve Coefficients

Intercept:	0
Slope:	2.166

Error Coefficients

Standard Error:	1810000
Relative Standard Error:	11.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.544086	10.0	284900.0	2.720428	Y
2	IC 410-199946/4	0.5	1.147831	10.0	272244.0	2.295661	Y
3	IC 410-199946/5	1.0	2.032052	10.0	280229.0	2.032052	Y
4	IC 410-199946/6	2.0	4.073898	10.0	283797.0	2.036949	Y
5	IC 410-199946/7	5.0	10.098883	10.0	292467.0	2.019777	Y
6	ICISAV 410-199946/8	10.0	21.5711	10.0	279963.0	2.15711	Y
7	IC 410-199946/9	25.0	52.868836	10.0	301509.0	2.114753	Y
8	IC 410-199946/10	70.0	136.500617	10.0	326026.0	1.950009	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

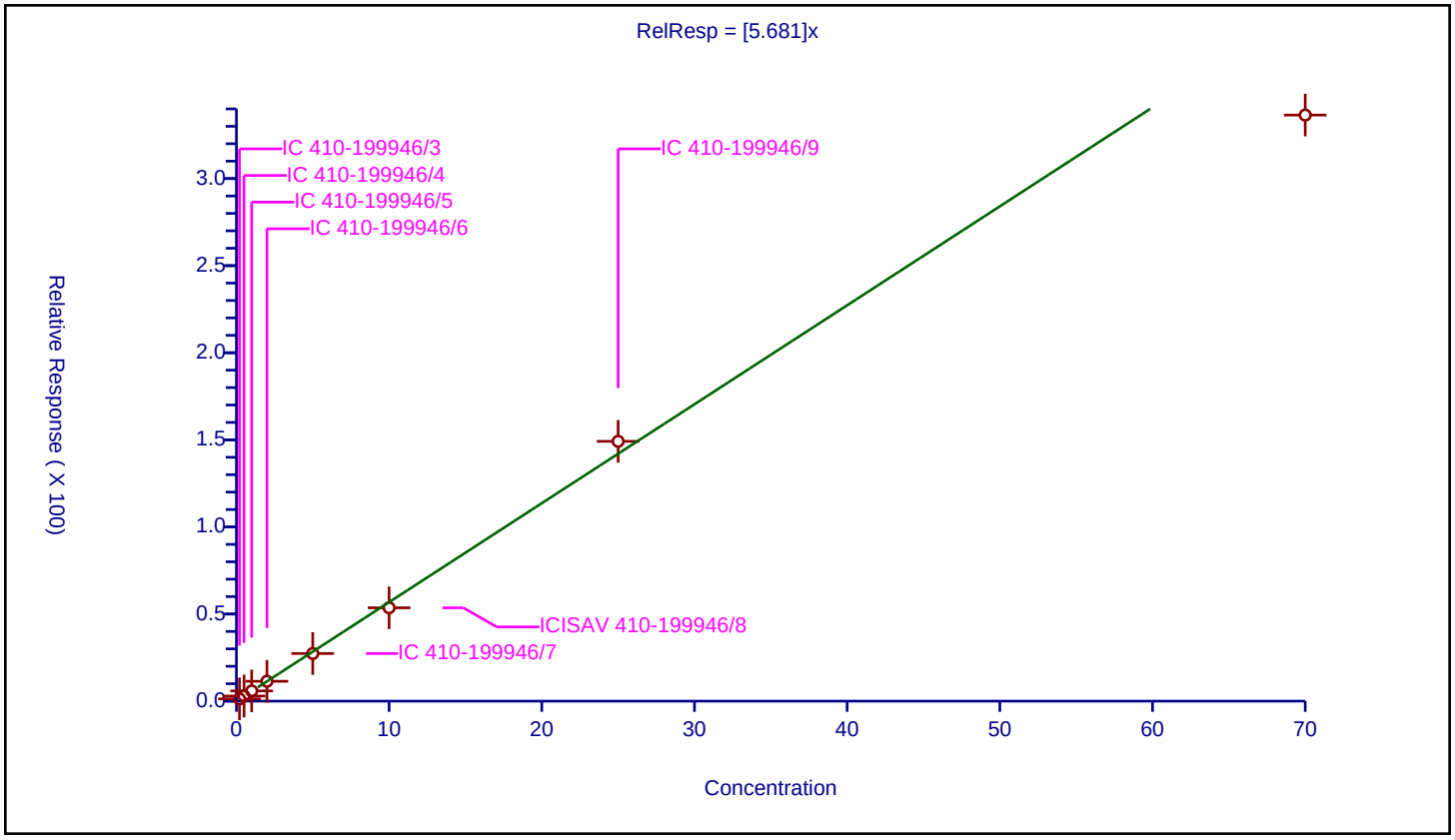
Curve Coefficients

Intercept:	0
Slope:	5.681

Error Coefficients

Standard Error:	4530000
Relative Standard Error:	8.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	1.289049	10.0	284900.0	6.445244	Y
2	IC 410-199946/4	0.5	2.921423	10.0	272244.0	5.842847	Y
3	IC 410-199946/5	1.0	5.859743	10.0	280229.0	5.859743	Y
4	IC 410-199946/6	2.0	11.400367	10.0	283797.0	5.700184	Y
5	IC 410-199946/7	5.0	27.343837	10.0	292467.0	5.468767	Y
6	ICISAV 410-199946/8	10.0	53.586224	10.0	279963.0	5.358622	Y
7	IC 410-199946/9	25.0	149.15034	10.0	301509.0	5.966014	Y
8	IC 410-199946/10	70.0	336.455467	10.0	326026.0	4.806507	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

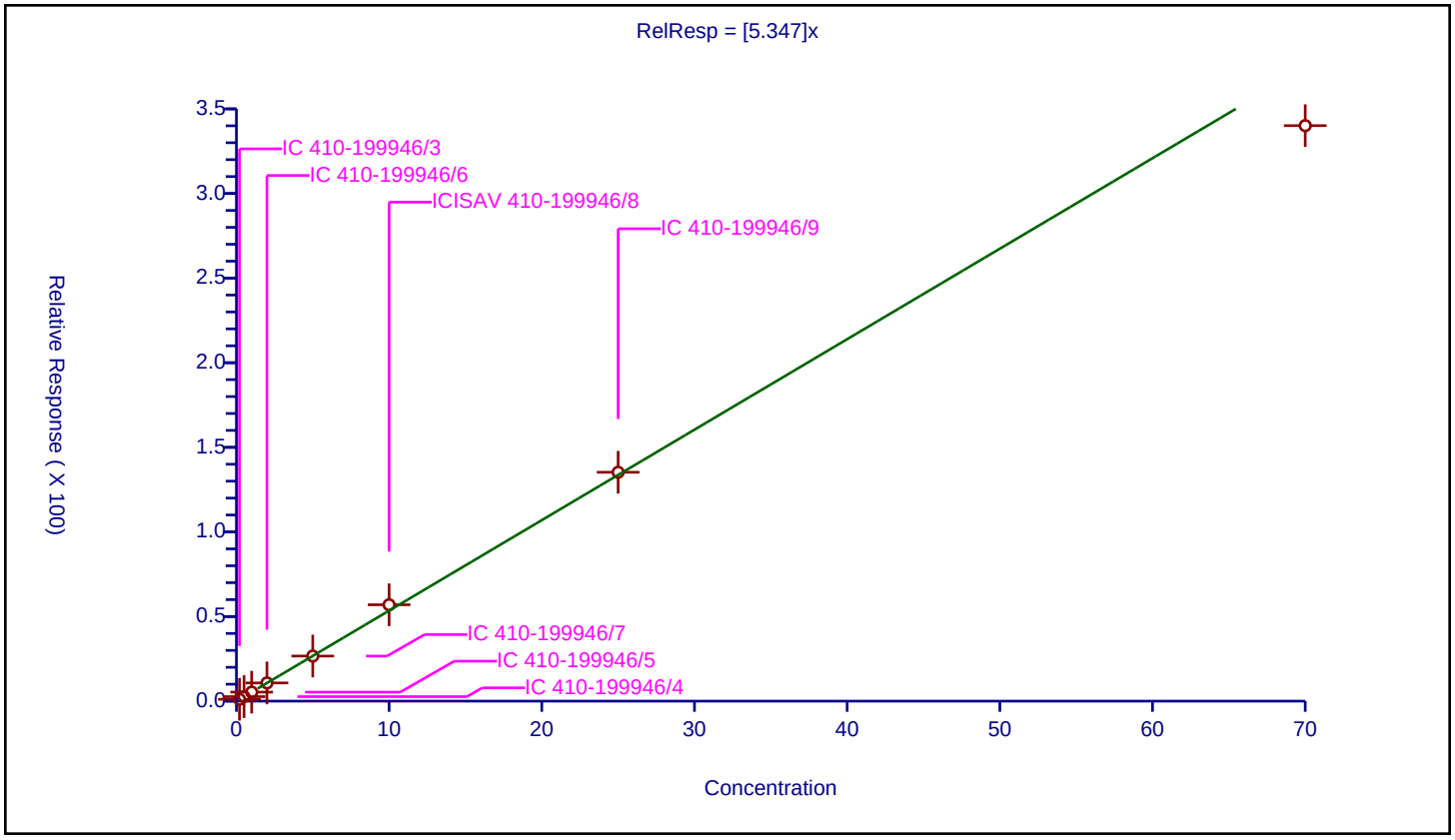
Curve Coefficients

Intercept:	0
Slope:	5.347

Error Coefficients

Standard Error:	4520000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	1.087399	10.0	284900.0	5.436995	Y
2	IC 410-199946/4	0.5	2.669664	10.0	272244.0	5.339328	Y
3	IC 410-199946/5	1.0	5.33221	10.0	280229.0	5.33221	Y
4	IC 410-199946/6	2.0	10.759839	10.0	283797.0	5.379919	Y
5	IC 410-199946/7	5.0	26.632338	10.0	292467.0	5.326468	Y
6	ICISAV 410-199946/8	10.0	56.954062	10.0	279963.0	5.695406	Y
7	IC 410-199946/9	25.0	135.25719	10.0	301509.0	5.410288	Y
8	IC 410-199946/10	70.0	340.094624	10.0	326026.0	4.858495	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

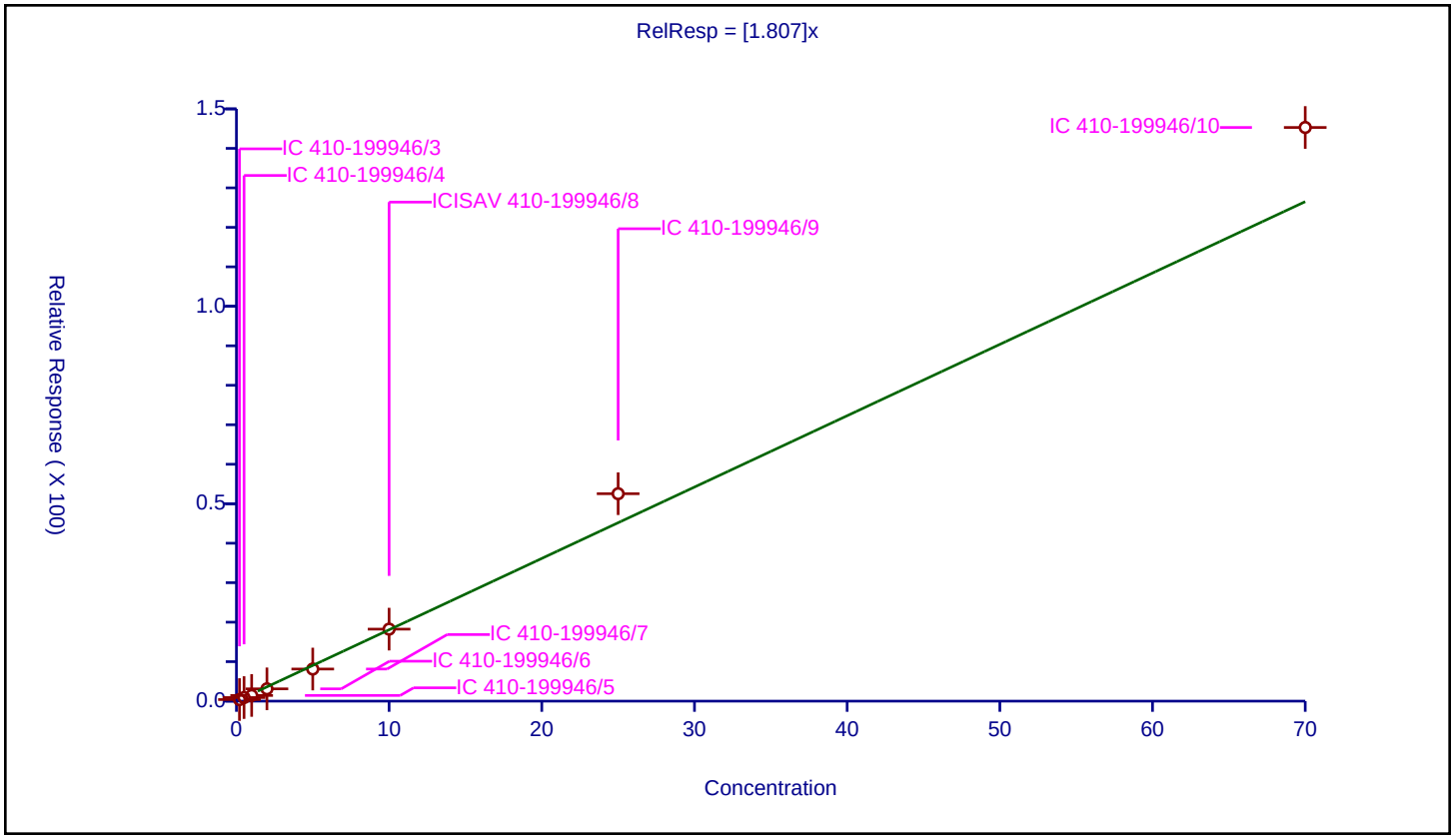
Curve Coefficients

Intercept:	0
Slope:	1.807

Error Coefficients

Standard Error:	1900000
Relative Standard Error:	13.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.40172	10.0	284900.0	2.0086	Y
2	IC 410-199946/4	0.5	0.910286	10.0	272244.0	1.820573	Y
3	IC 410-199946/5	1.0	1.443248	10.0	280229.0	1.443248	Y
4	IC 410-199946/6	2.0	3.115713	10.0	283797.0	1.557856	Y
5	IC 410-199946/7	5.0	8.130558	10.0	292467.0	1.626112	Y
6	ICISAV 410-199946/8	10.0	18.24016	10.0	279963.0	1.824016	Y
7	IC 410-199946/9	25.0	52.540223	10.0	301509.0	2.101609	Y
8	IC 410-199946/10	70.0	145.289762	10.0	326026.0	2.075568	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

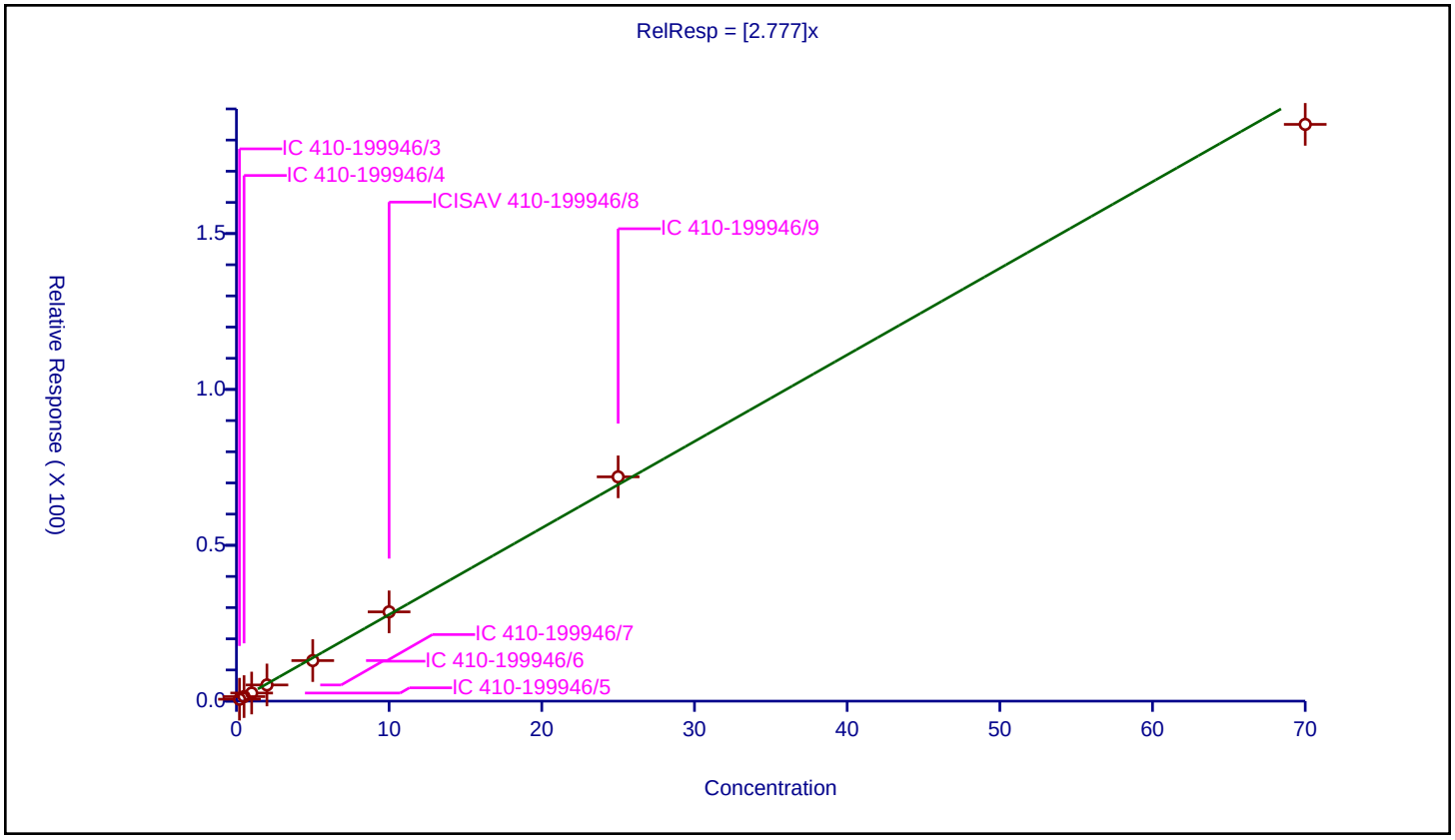
Curve Coefficients

Intercept:	0
Slope:	2.777

Error Coefficients

Standard Error:	2450000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.623482	10.0	284900.0	3.11741	Y
2	IC 410-199946/4	0.5	1.45803	10.0	272244.0	2.916061	Y
3	IC 410-199946/5	1.0	2.598982	10.0	280229.0	2.598982	Y
4	IC 410-199946/6	2.0	5.192902	10.0	283797.0	2.596451	Y
5	IC 410-199946/7	5.0	13.011314	10.0	292467.0	2.602263	Y
6	ICISAV 410-199946/8	10.0	28.643356	10.0	279963.0	2.864336	Y
7	IC 410-199946/9	25.0	71.958913	10.0	301509.0	2.878357	Y
8	IC 410-199946/10	70.0	185.034936	10.0	326026.0	2.643356	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

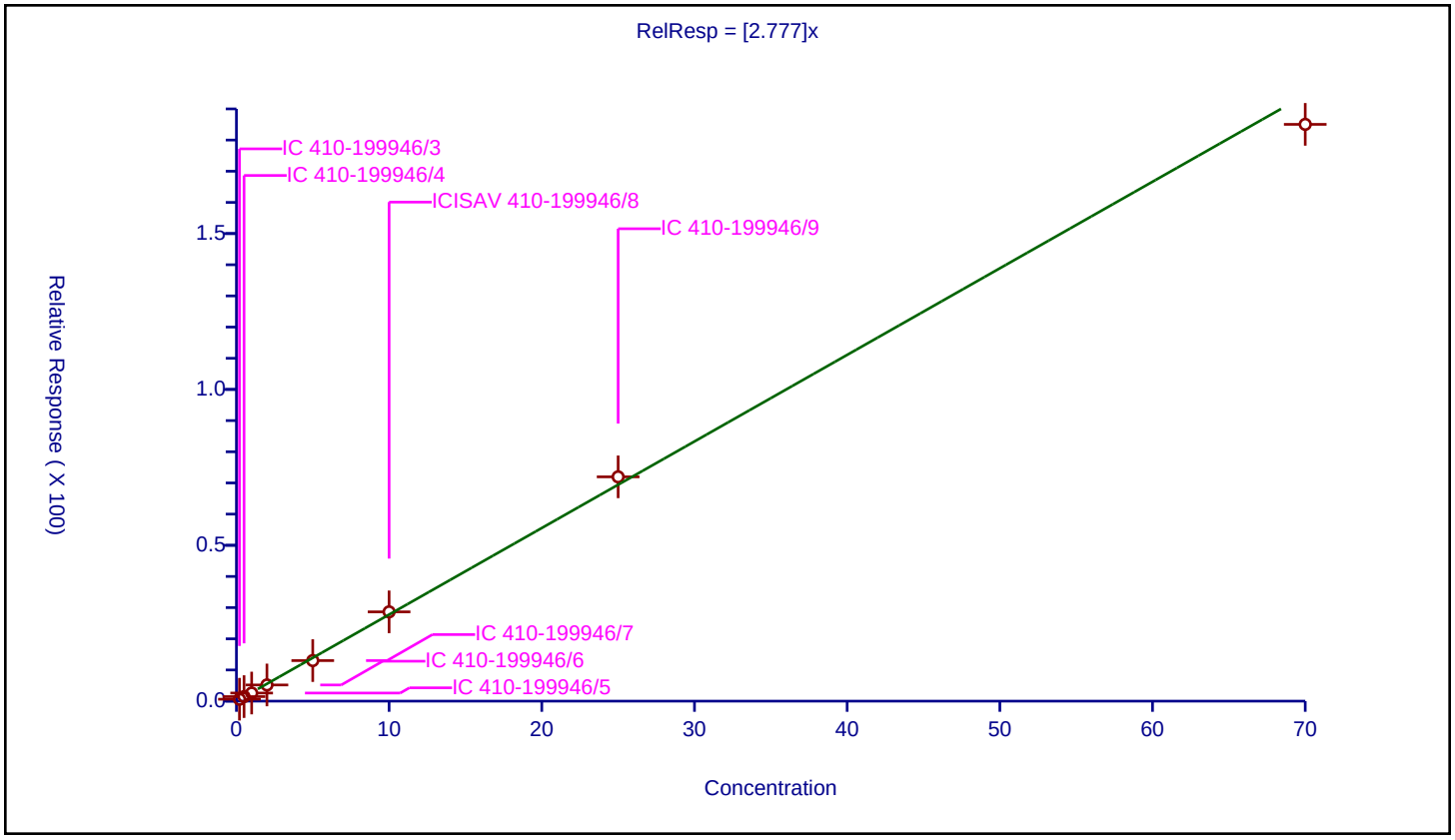
Curve Coefficients

Intercept:	0
Slope:	2.777

Error Coefficients

Standard Error:	2450000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.623482	10.0	284900.0	3.11741	Y
2	IC 410-199946/4	0.5	1.45803	10.0	272244.0	2.916061	Y
3	IC 410-199946/5	1.0	2.598982	10.0	280229.0	2.598982	Y
4	IC 410-199946/6	2.0	5.192902	10.0	283797.0	2.596451	Y
5	IC 410-199946/7	5.0	13.011314	10.0	292467.0	2.602263	Y
6	ICISAV 410-199946/8	10.0	28.643356	10.0	279963.0	2.864336	Y
7	IC 410-199946/9	25.0	71.958913	10.0	301509.0	2.878357	Y
8	IC 410-199946/10	70.0	185.034936	10.0	326026.0	2.643356	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

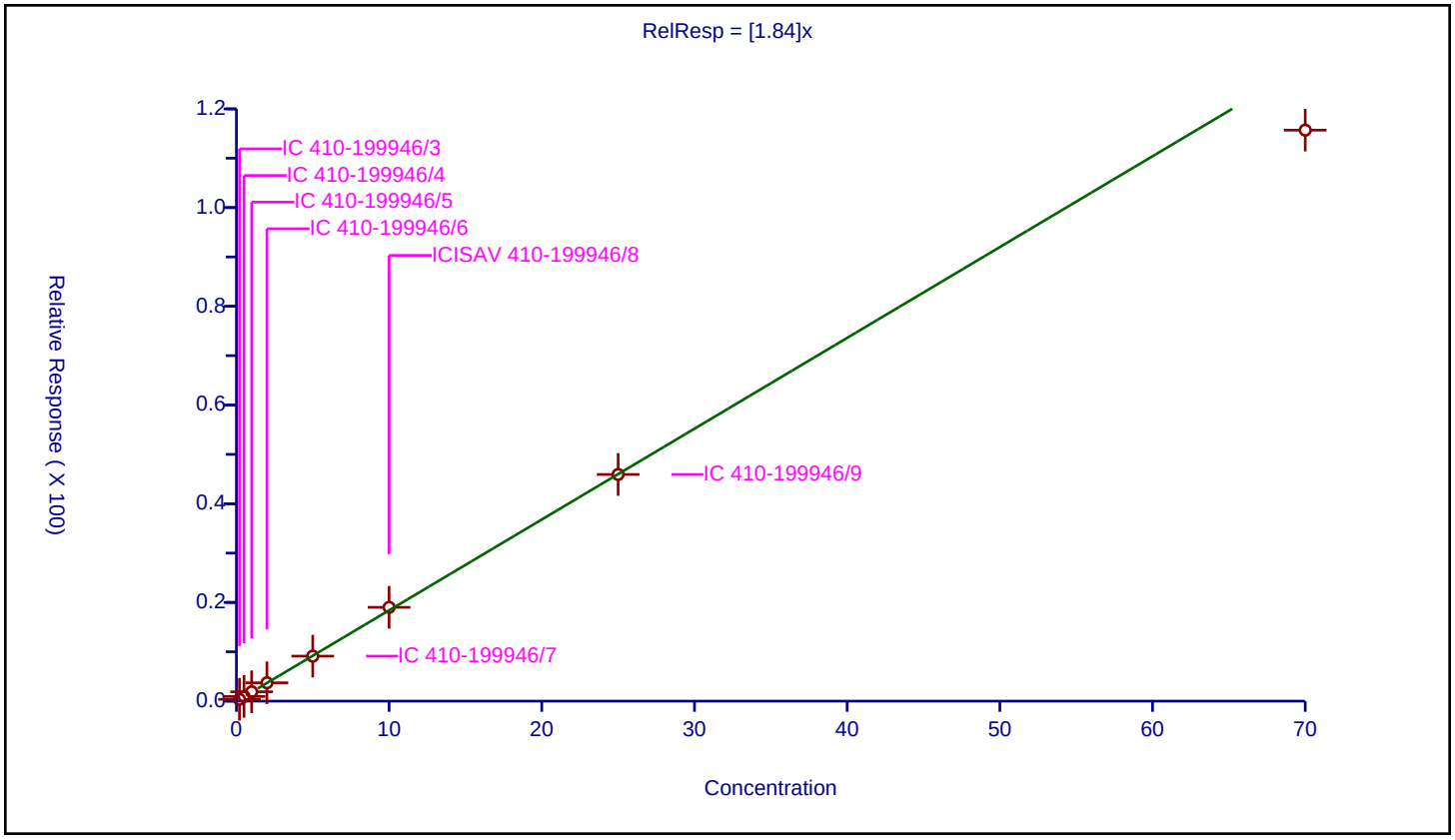
Curve Coefficients

Intercept:	0
Slope:	1.84

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.368164	10.0	284900.0	1.840821	Y
2	IC 410-199946/4	0.5	0.95396	10.0	272244.0	1.907921	Y
3	IC 410-199946/5	1.0	1.897805	10.0	280229.0	1.897805	Y
4	IC 410-199946/6	2.0	3.72023	10.0	283797.0	1.860115	Y
5	IC 410-199946/7	5.0	9.116584	10.0	292467.0	1.823317	Y
6	ICISAV 410-199946/8	10.0	19.001368	10.0	279963.0	1.900137	Y
7	IC 410-199946/9	25.0	45.928248	10.0	301509.0	1.83713	Y
8	IC 410-199946/10	70.0	115.690773	10.0	326026.0	1.652725	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

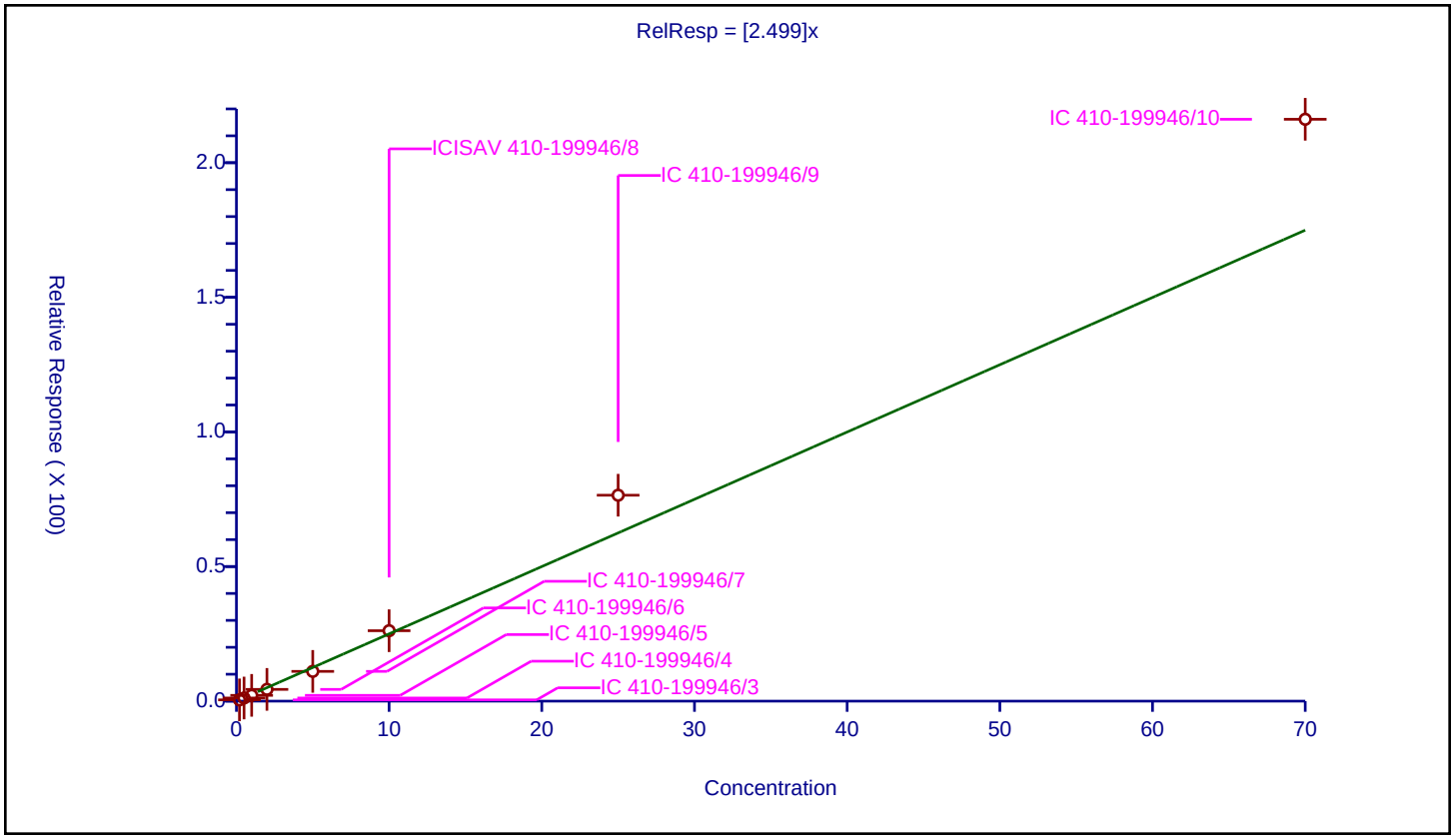
Curve Coefficients

Intercept:	0
Slope:	2.499

Error Coefficients

Standard Error:	2820000
Relative Standard Error:	15.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.47013	10.0	284900.0	2.350649	Y
2	IC 410-199946/4	0.5	1.167335	10.0	272244.0	2.33467	Y
3	IC 410-199946/5	1.0	2.15199	10.0	280229.0	2.15199	Y
4	IC 410-199946/6	2.0	4.363295	10.0	283797.0	2.181647	Y
5	IC 410-199946/7	5.0	11.054546	10.0	292467.0	2.210909	Y
6	ICISAV 410-199946/8	10.0	26.161886	10.0	279963.0	2.616189	Y
7	IC 410-199946/9	25.0	76.491116	10.0	301509.0	3.059645	Y
8	IC 410-199946/10	70.0	216.14362	10.0	326026.0	3.087766	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

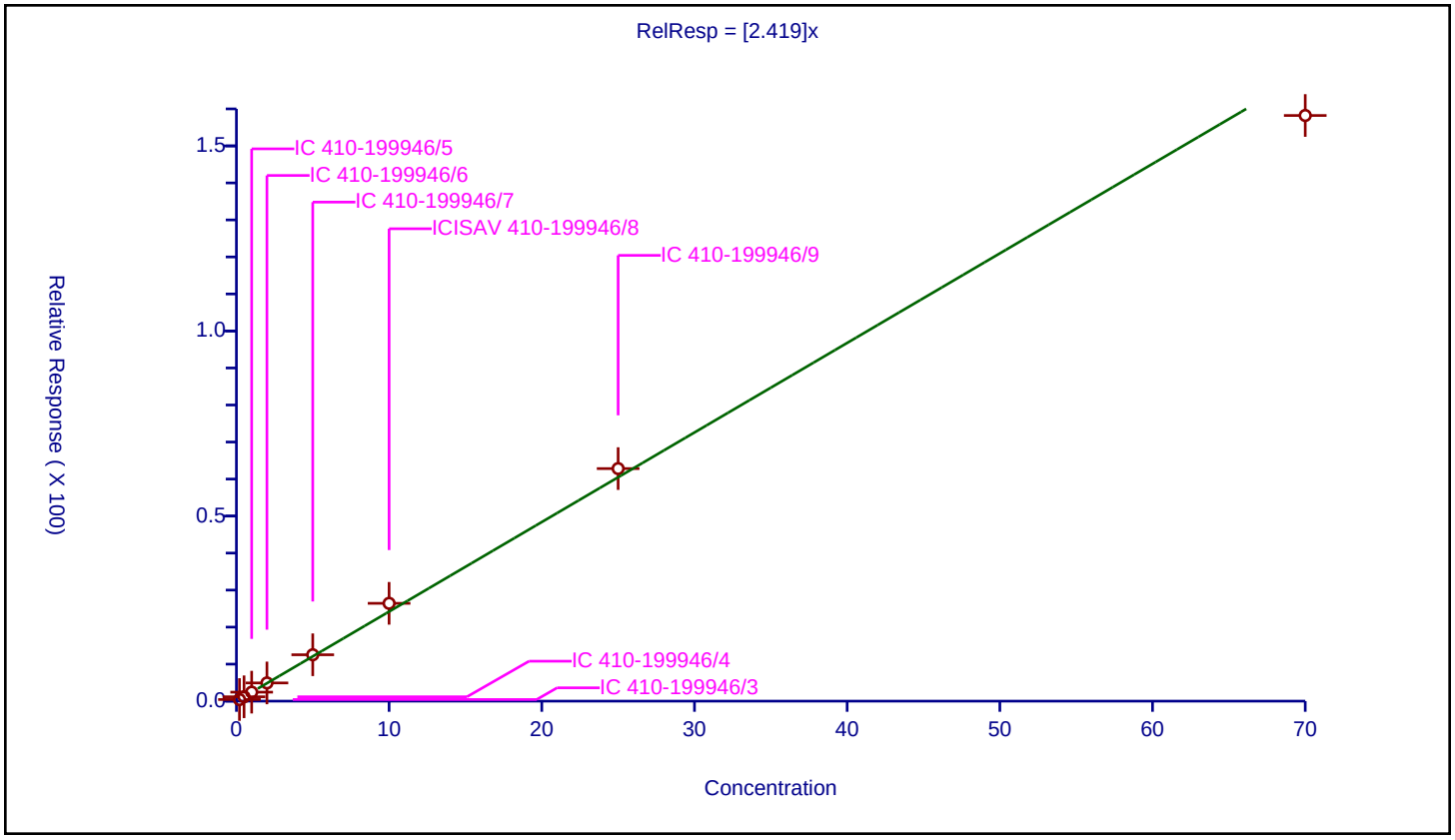
Curve Coefficients

Intercept:	0
Slope:	2.419

Error Coefficients

Standard Error:	2100000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.43689	10.0	284900.0	2.184451	Y
2	IC 410-199946/4	0.5	1.179824	10.0	272244.0	2.359648	Y
3	IC 410-199946/5	1.0	2.430691	10.0	280229.0	2.430691	Y
4	IC 410-199946/6	2.0	4.915767	10.0	283797.0	2.457884	Y
5	IC 410-199946/7	5.0	12.527738	10.0	292467.0	2.505548	Y
6	ICISAV 410-199946/8	10.0	26.428099	10.0	279963.0	2.64281	Y
7	IC 410-199946/9	25.0	62.827047	10.0	301509.0	2.513082	Y
8	IC 410-199946/10	70.0	158.216523	10.0	326026.0	2.260236	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

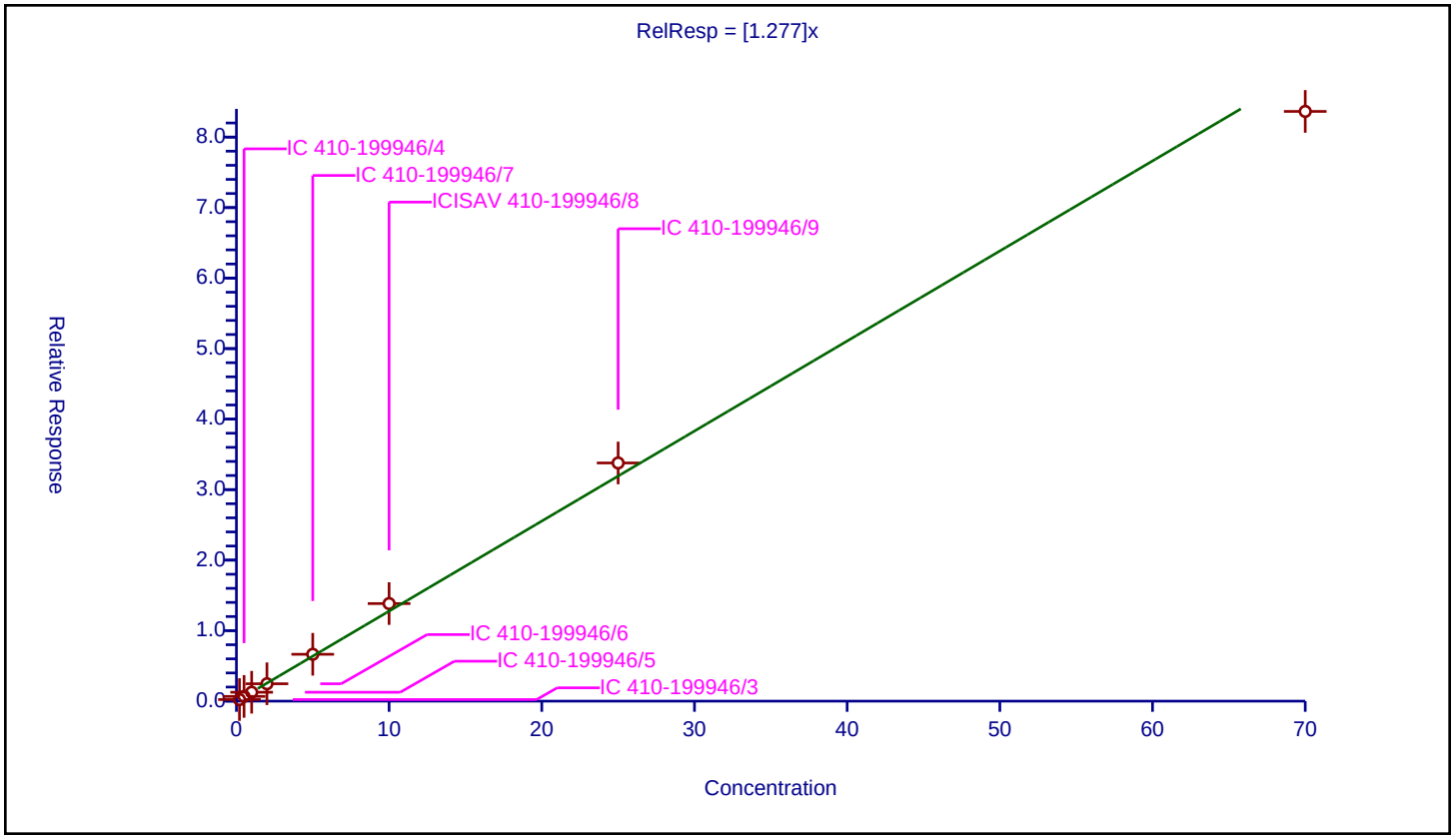
Curve Coefficients

Intercept:	0
Slope:	1.277

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.223342	10.0	284900.0	1.116708	Y
2	IC 410-199946/4	0.5	0.671677	10.0	272244.0	1.343354	Y
3	IC 410-199946/5	1.0	1.263788	10.0	280229.0	1.263788	Y
4	IC 410-199946/6	2.0	2.464931	10.0	283797.0	1.232465	Y
5	IC 410-199946/7	5.0	6.645365	10.0	292467.0	1.329073	Y
6	ICISAV 410-199946/8	10.0	13.838007	10.0	279963.0	1.383801	Y
7	IC 410-199946/9	25.0	33.782176	10.0	301509.0	1.351287	Y
8	IC 410-199946/10	70.0	83.64201	10.0	326026.0	1.194886	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

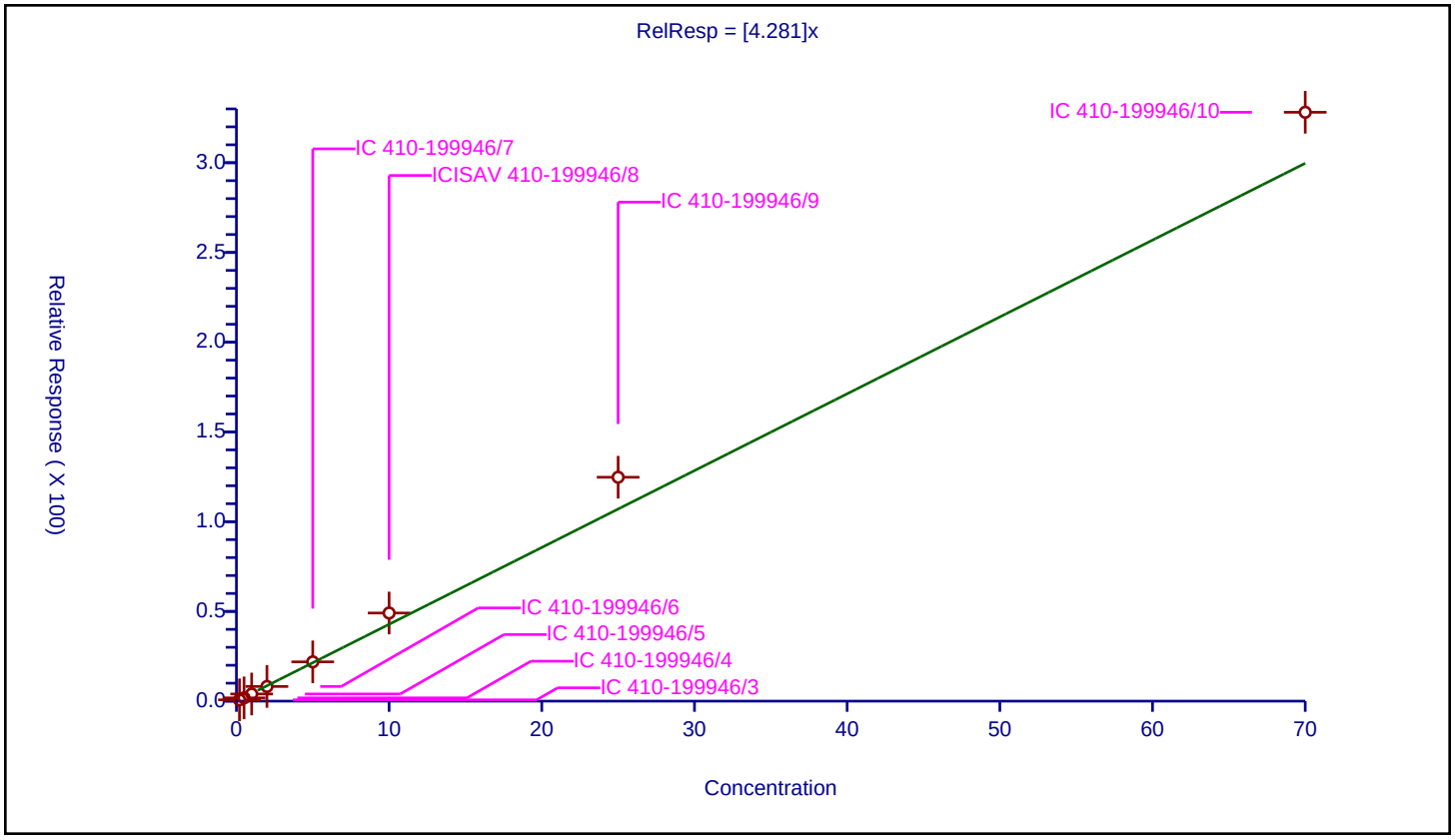
Curve Coefficients

Intercept:	0
Slope:	4.281

Error Coefficients

Standard Error:	4330000
Relative Standard Error:	12.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.716918	10.0	284900.0	3.584591	Y
2	IC 410-199946/4	0.5	1.818295	10.0	272244.0	3.636591	Y
3	IC 410-199946/5	1.0	3.981601	10.0	280229.0	3.981601	Y
4	IC 410-199946/6	2.0	8.167	10.0	283797.0	4.0835	Y
5	IC 410-199946/7	5.0	21.883666	10.0	292467.0	4.376733	Y
6	ICISAV 410-199946/8	10.0	49.103203	10.0	279963.0	4.91032	Y
7	IC 410-199946/9	25.0	124.754385	10.0	301509.0	4.990175	Y
8	IC 410-199946/10	70.0	328.120089	10.0	326026.0	4.68743	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

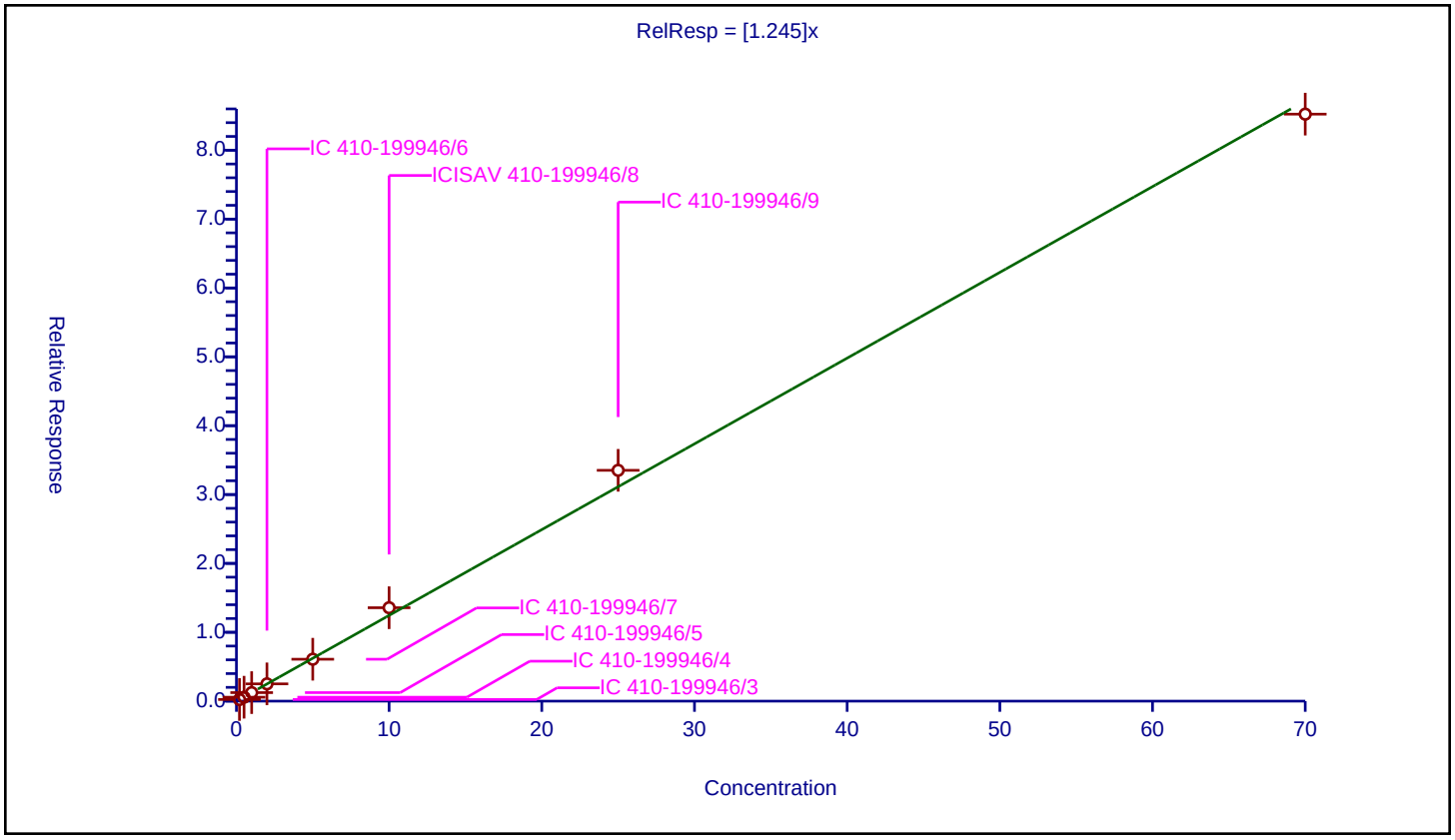
Curve Coefficients

Intercept:	0
Slope:	1.245

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.238435	10.0	284900.0	1.192173	Y
2	IC 410-199946/4	0.5	0.571583	10.0	272244.0	1.143166	Y
3	IC 410-199946/5	1.0	1.239272	10.0	280229.0	1.239272	Y
4	IC 410-199946/6	2.0	2.509188	10.0	283797.0	1.254594	Y
5	IC 410-199946/7	5.0	6.087251	10.0	292467.0	1.21745	Y
6	ICISAV 410-199946/8	10.0	13.566507	10.0	279963.0	1.356651	Y
7	IC 410-199946/9	25.0	33.516611	10.0	301509.0	1.340664	Y
8	IC 410-199946/10	70.0	85.23949	10.0	326026.0	1.217707	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

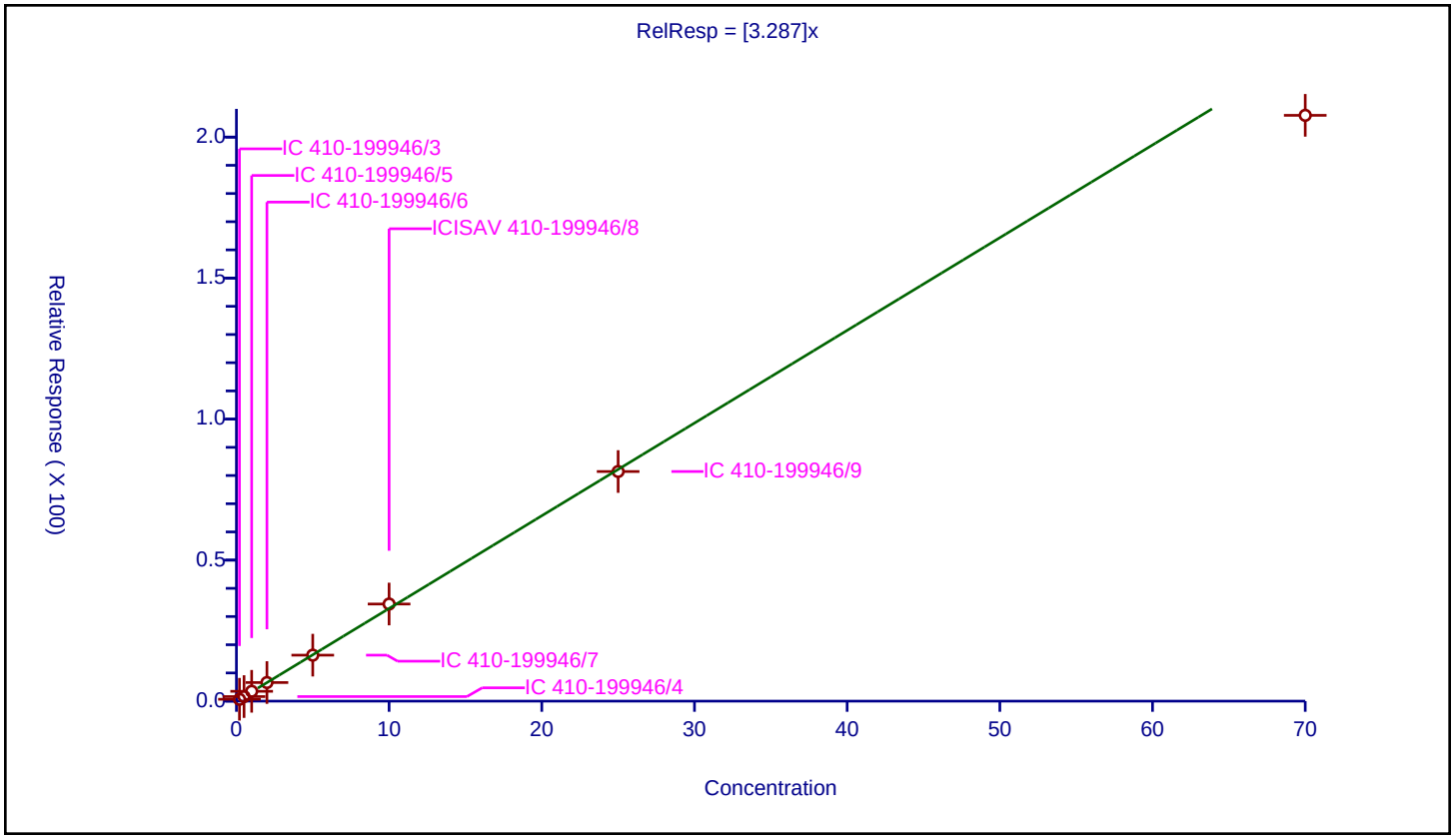
Curve Coefficients

Intercept:	0
Slope:	3.287

Error Coefficients

Standard Error:	2750000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.66476	10.0	284900.0	3.323798	Y
2	IC 410-199946/4	0.5	1.624131	10.0	272244.0	3.248263	Y
3	IC 410-199946/5	1.0	3.492108	10.0	280229.0	3.492108	Y
4	IC 410-199946/6	2.0	6.599682	10.0	283797.0	3.299841	Y
5	IC 410-199946/7	5.0	16.302831	10.0	292467.0	3.260566	Y
6	ICISAV 410-199946/8	10.0	34.439658	10.0	279963.0	3.443966	Y
7	IC 410-199946/9	25.0	81.42155	10.0	301509.0	3.256862	Y
8	IC 410-199946/10	70.0	207.718065	10.0	326026.0	2.967401	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

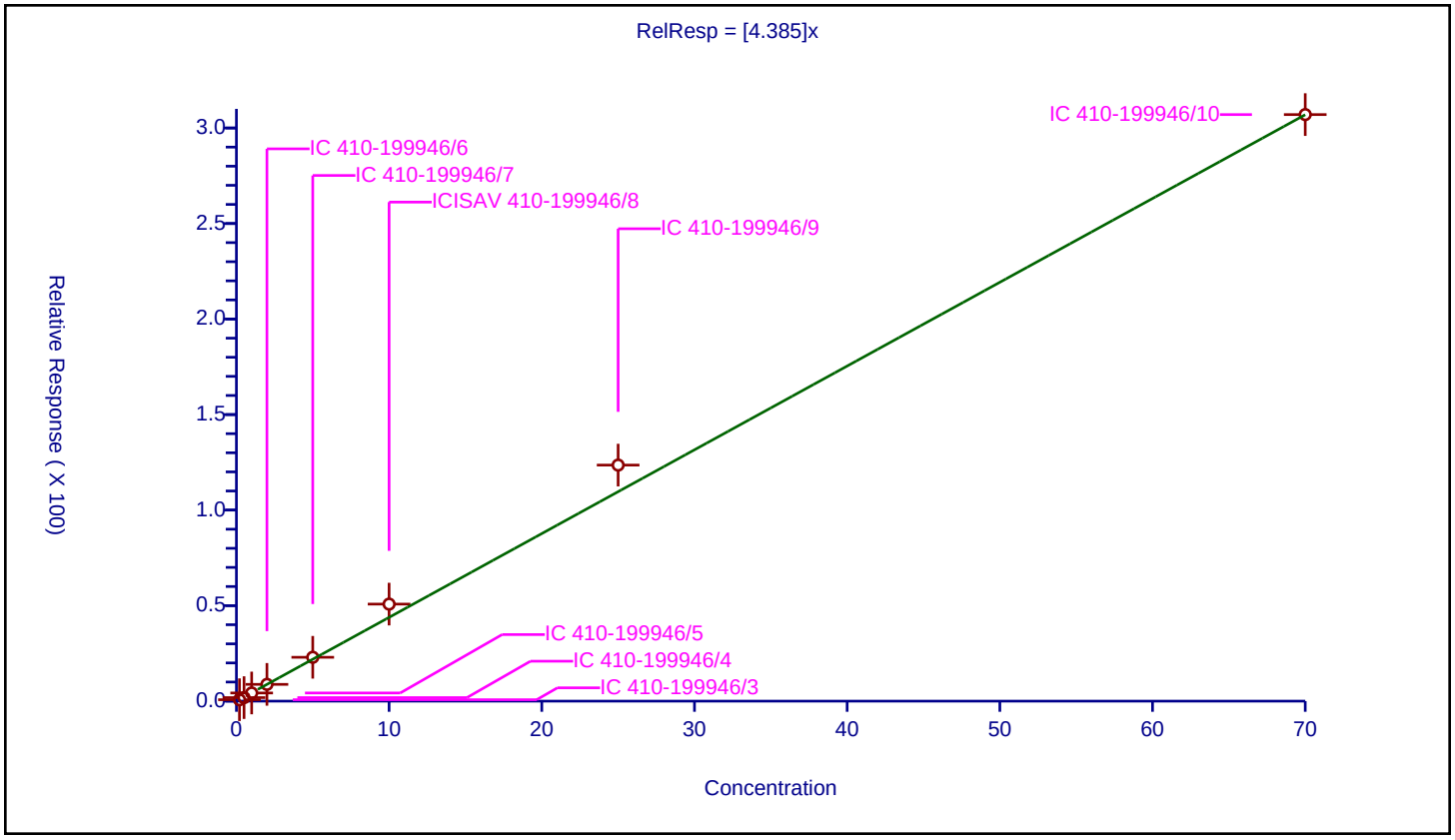
Curve Coefficients

Intercept:	0
Slope:	4.385

Error Coefficients

Standard Error:	4080000
Relative Standard Error:	11.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.74577	10.0	284900.0	3.728852	Y
2	IC 410-199946/4	0.5	1.844595	10.0	272244.0	3.689191	Y
3	IC 410-199946/5	1.0	4.277609	10.0	280229.0	4.277609	Y
4	IC 410-199946/6	2.0	8.770635	10.0	283797.0	4.385318	Y
5	IC 410-199946/7	5.0	22.952949	10.0	292467.0	4.59059	Y
6	ICISAV 410-199946/8	10.0	50.792855	10.0	279963.0	5.079285	Y
7	IC 410-199946/9	25.0	123.558799	10.0	301509.0	4.942352	Y
8	IC 410-199946/10	70.0	307.021771	10.0	326026.0	4.386025	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

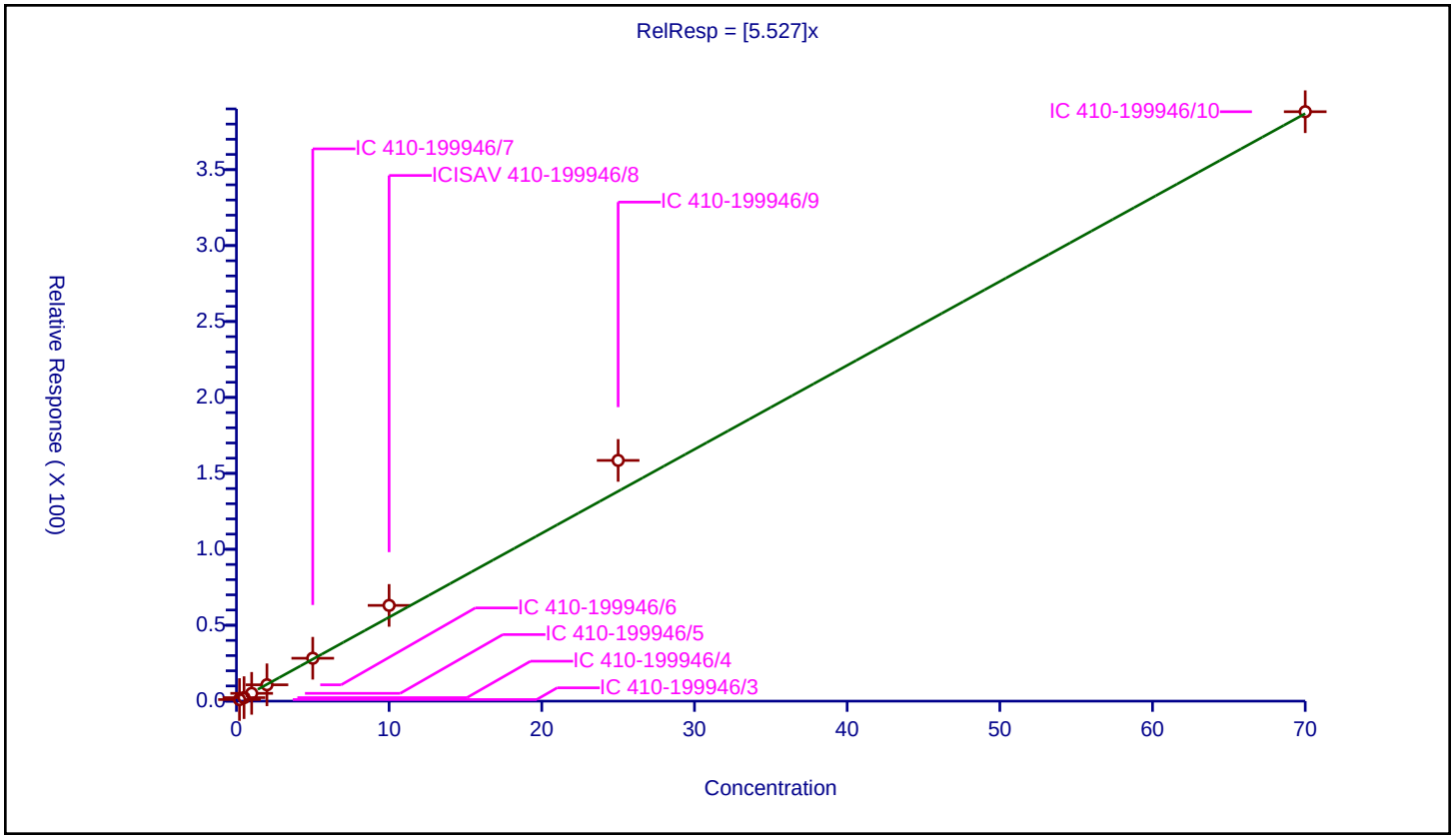
Curve Coefficients

Intercept:	0
Slope:	5.527

Error Coefficients

Standard Error:	5170000
Relative Standard Error:	10.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	1.048087	10.0	284900.0	5.240435	Y
2	IC 410-199946/4	0.5	2.308701	10.0	272244.0	4.617402	Y
3	IC 410-199946/5	1.0	5.138298	10.0	280229.0	5.138298	Y
4	IC 410-199946/6	2.0	10.762305	10.0	283797.0	5.381153	Y
5	IC 410-199946/7	5.0	28.248896	10.0	292467.0	5.649779	Y
6	ICISAV 410-199946/8	10.0	63.050046	10.0	279963.0	6.305005	Y
7	IC 410-199946/9	25.0	158.519779	10.0	301509.0	6.340791	Y
8	IC 410-199946/10	70.0	388.142878	10.0	326026.0	5.544898	Y



Calibration / Tert-butyl ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

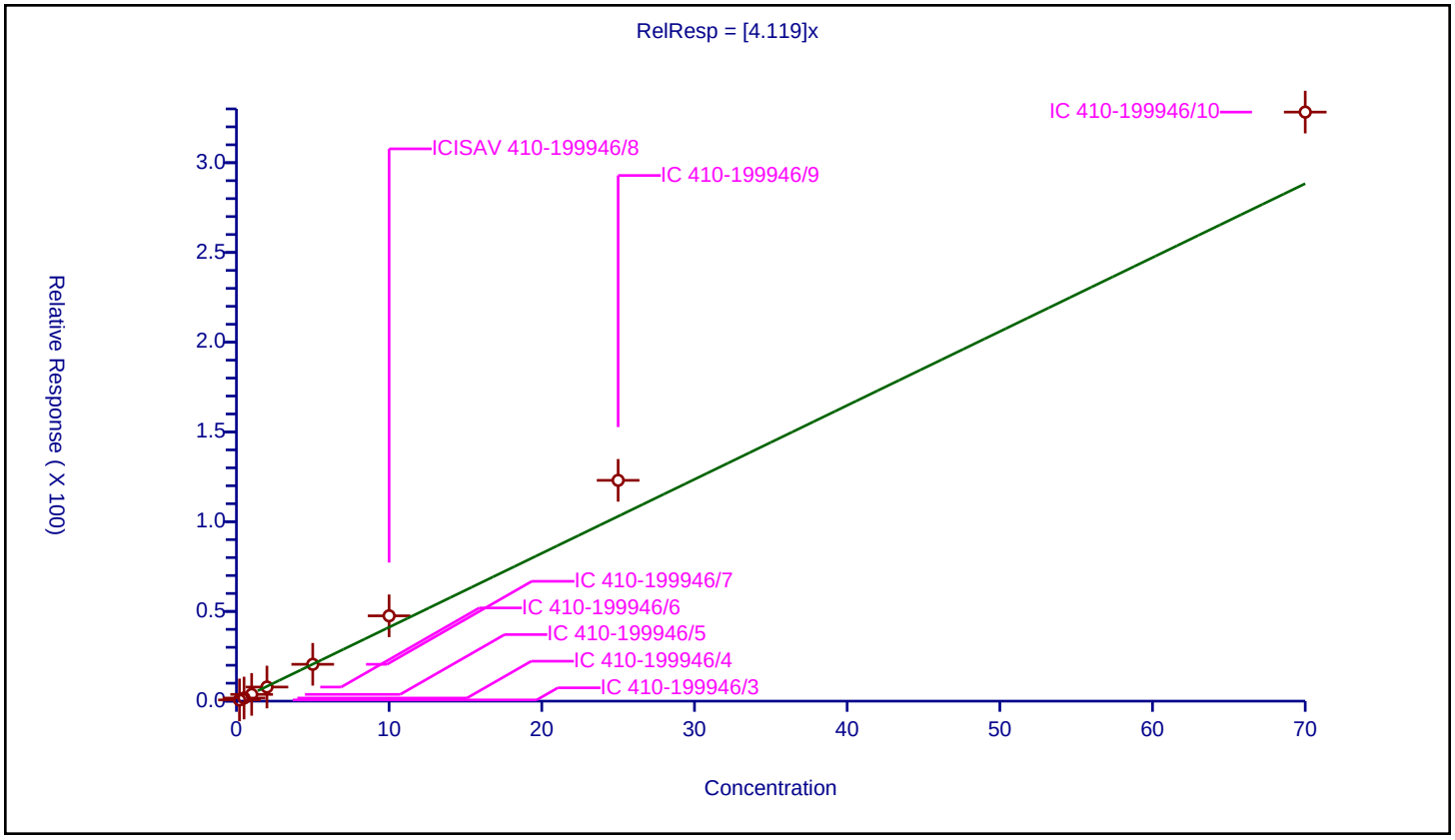
Curve Coefficients

Intercept:	0
Slope:	4.119

Error Coefficients

Standard Error:	4320000
Relative Standard Error:	14.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.668199	10.0	284900.0	3.340997	Y
2	IC 410-199946/4	0.5	1.728633	10.0	272244.0	3.457266	Y
3	IC 410-199946/5	1.0	3.758034	10.0	280229.0	3.758034	Y
4	IC 410-199946/6	2.0	7.851951	10.0	283797.0	3.925975	Y
5	IC 410-199946/7	5.0	20.538386	10.0	292467.0	4.107677	Y
6	ICISAV 410-199946/8	10.0	47.546604	10.0	279963.0	4.75466	Y
7	IC 410-199946/9	25.0	123.030357	10.0	301509.0	4.921214	Y
8	IC 410-199946/10	70.0	328.213149	10.0	326026.0	4.688759	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

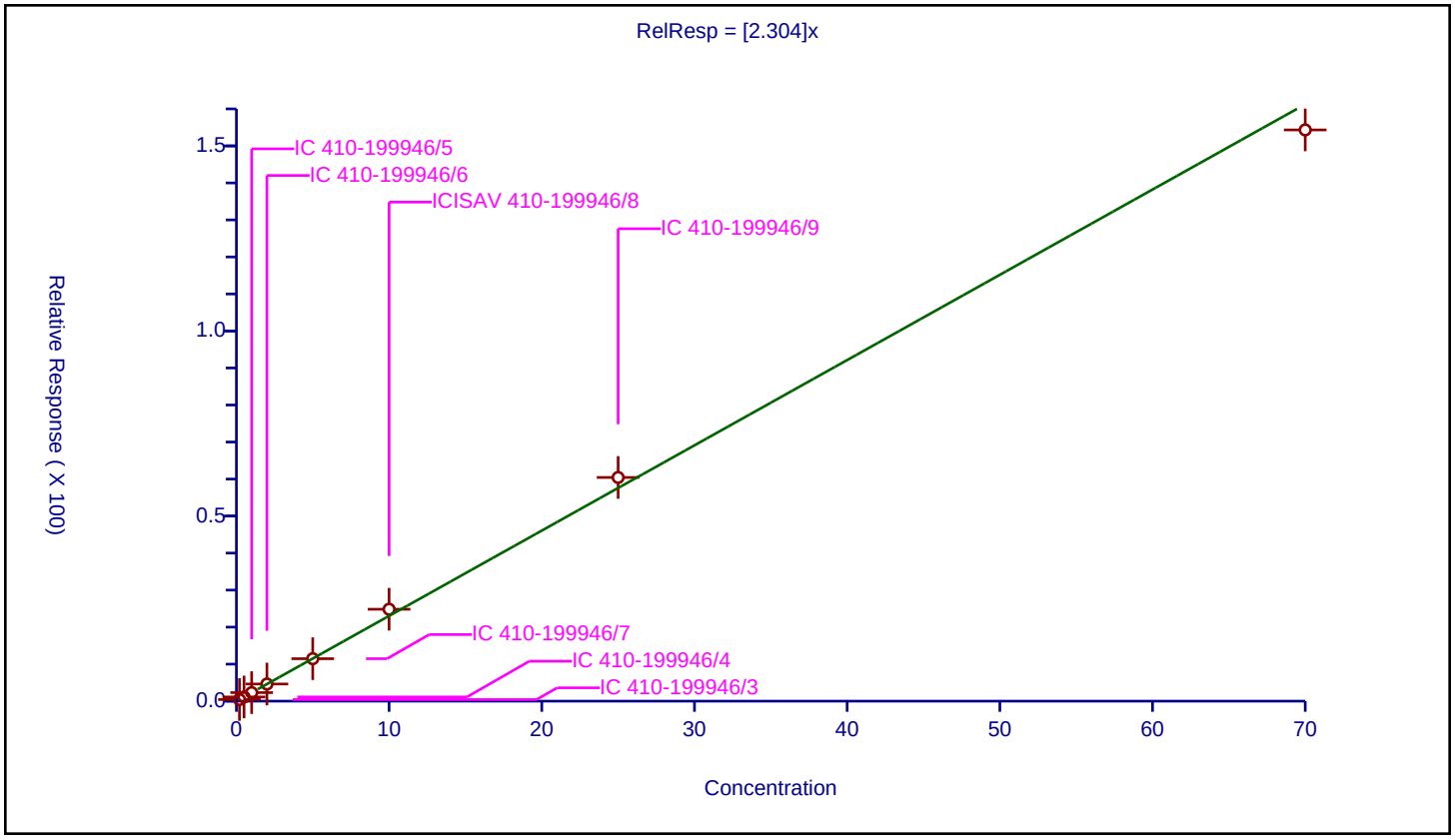
Curve Coefficients

Intercept:	0
Slope:	2.304

Error Coefficients

Standard Error:	2040000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.432117	10.0	284900.0	2.160583	Y
2	IC 410-199946/4	0.5	1.123845	10.0	272244.0	2.24769	Y
3	IC 410-199946/5	1.0	2.307755	10.0	280229.0	2.307755	Y
4	IC 410-199946/6	2.0	4.629189	10.0	283797.0	2.314595	Y
5	IC 410-199946/7	5.0	11.465875	10.0	292467.0	2.293175	Y
6	ICISAV 410-199946/8	10.0	24.826316	10.0	279963.0	2.482632	Y
7	IC 410-199946/9	25.0	60.42934	10.0	301509.0	2.417174	Y
8	IC 410-199946/10	70.0	154.314073	10.0	326026.0	2.204487	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

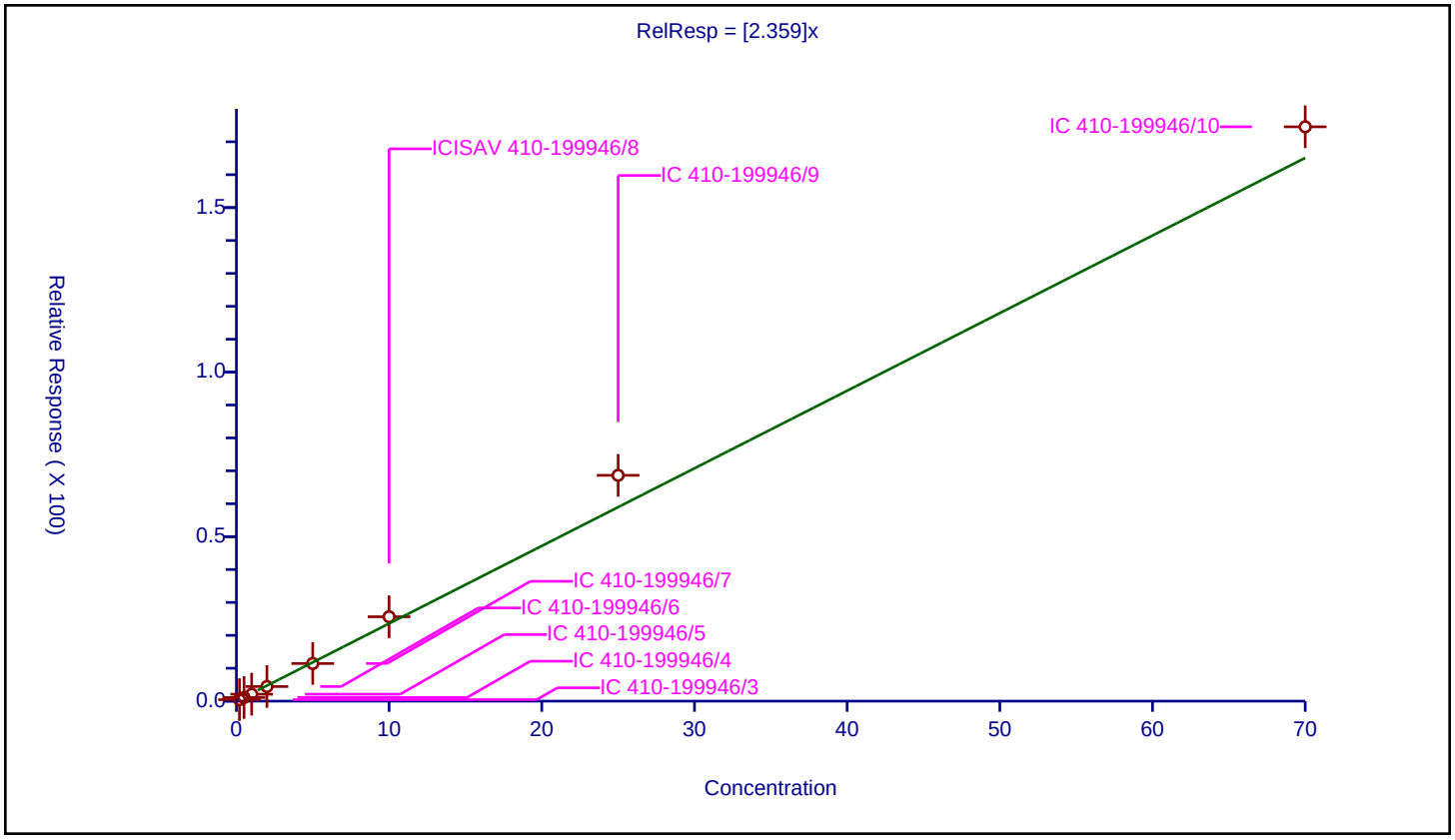
Curve Coefficients

Intercept:	0
Slope:	2.359

Error Coefficients

Standard Error:	2310000
Relative Standard Error:	9.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.446753	10.0	284900.0	2.233766	Y
2	IC 410-199946/4	0.5	1.106654	10.0	272244.0	2.213309	Y
3	IC 410-199946/5	1.0	2.109453	10.0	280229.0	2.109453	Y
4	IC 410-199946/6	2.0	4.442683	10.0	283797.0	2.221341	Y
5	IC 410-199946/7	5.0	11.438282	10.0	292467.0	2.287656	Y
6	ICISAV 410-199946/8	10.0	25.646353	10.0	279963.0	2.564635	Y
7	IC 410-199946/9	25.0	68.632777	10.0	301509.0	2.745311	Y
8	IC 410-199946/10	70.0	174.550619	10.0	326026.0	2.49358	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

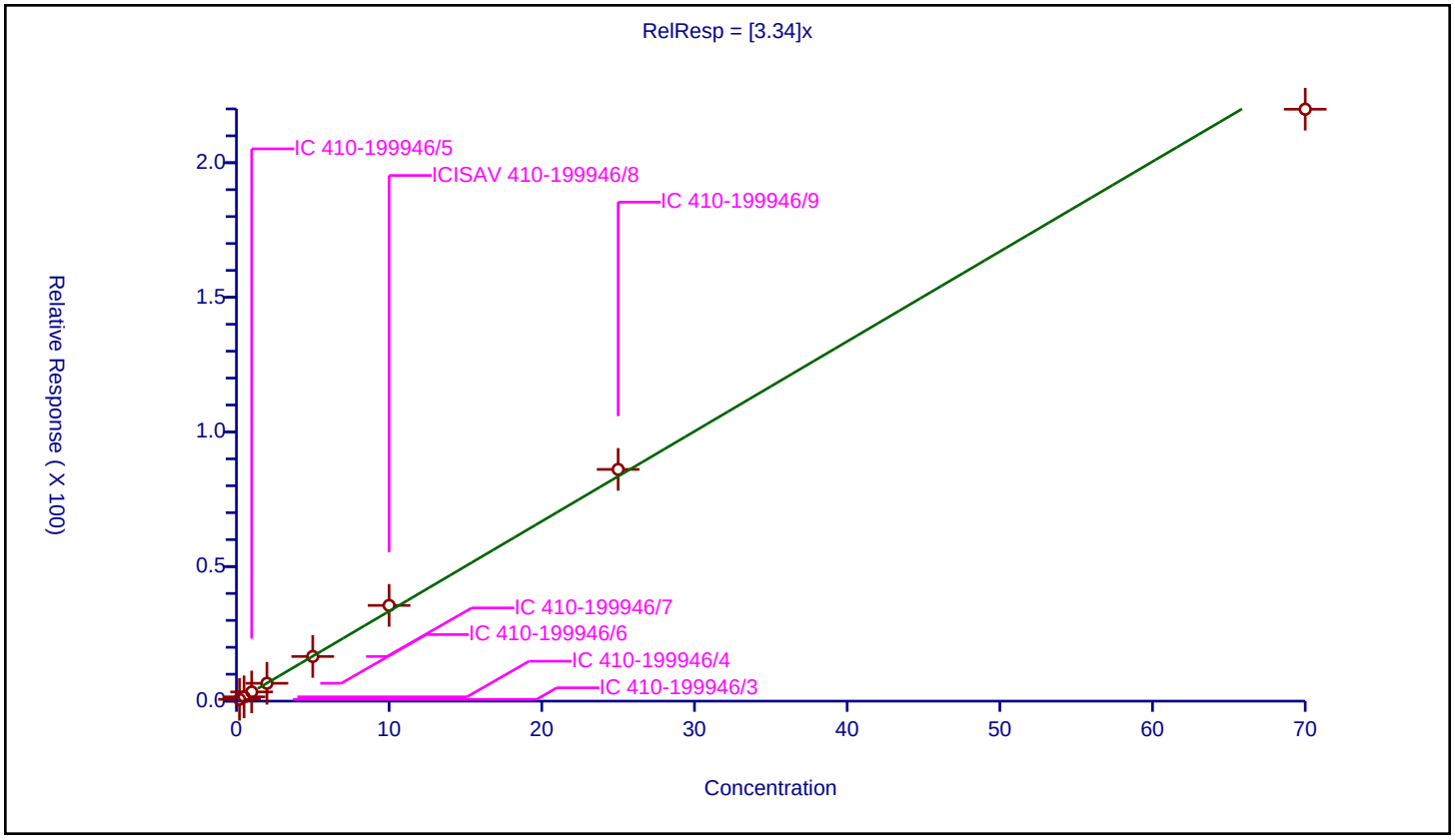
Curve Coefficients

Intercept:	0
Slope:	3.34

Error Coefficients

Standard Error:	2910000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.665075	10.0	284900.0	3.325377	Y
2	IC 410-199946/4	0.5	1.600917	10.0	272244.0	3.201834	Y
3	IC 410-199946/5	1.0	3.41667	10.0	280229.0	3.41667	Y
4	IC 410-199946/6	2.0	6.636998	10.0	283797.0	3.318499	Y
5	IC 410-199946/7	5.0	16.596197	10.0	292467.0	3.319239	Y
6	ICISAV 410-199946/8	10.0	35.560163	10.0	279963.0	3.556016	Y
7	IC 410-199946/9	25.0	86.093981	10.0	301509.0	3.443759	Y
8	IC 410-199946/10	70.0	219.878997	10.0	326026.0	3.141129	Y



Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

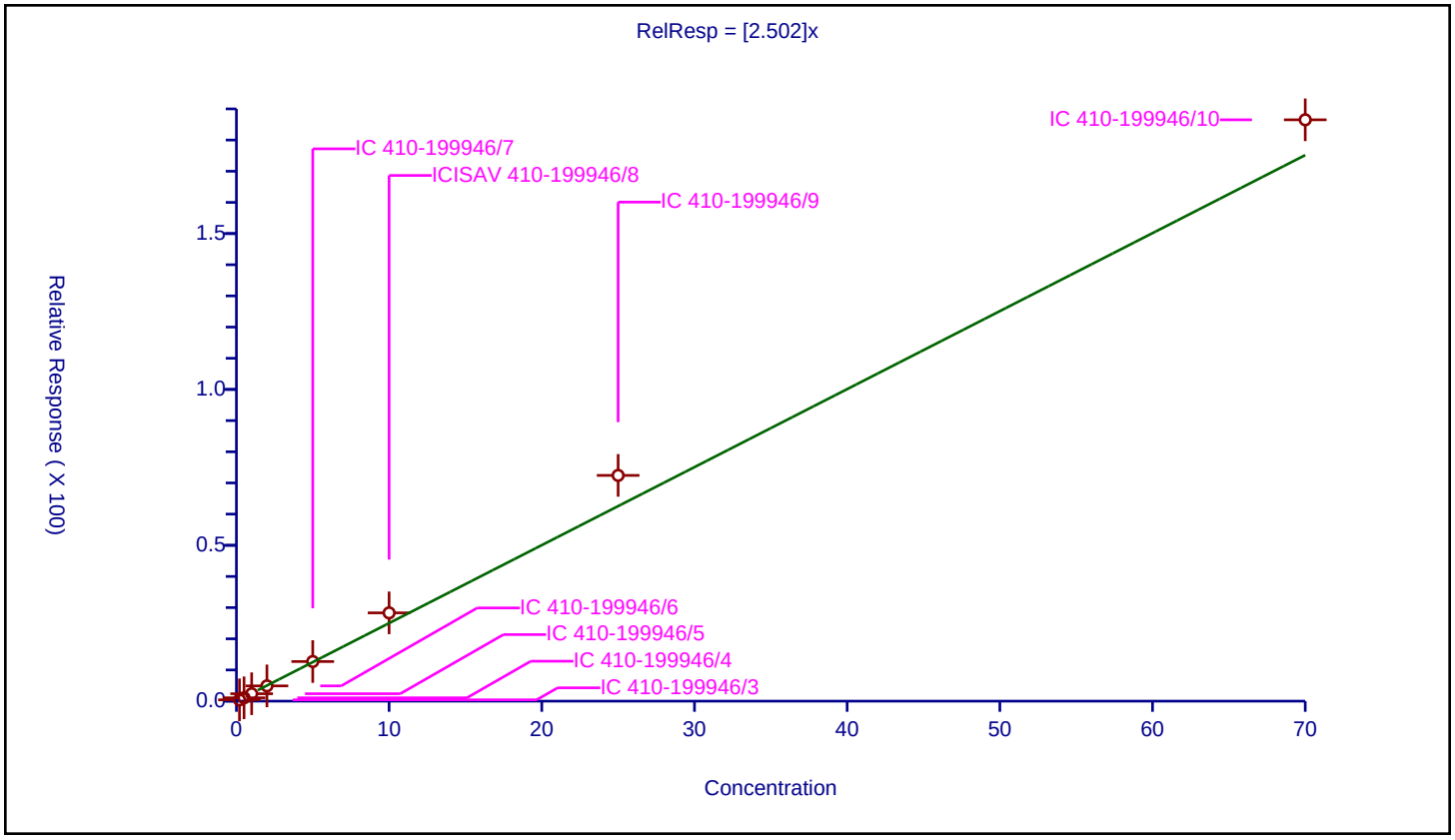
Curve Coefficients

Intercept:	0
Slope:	2.502

Error Coefficients

Standard Error:	2460000
Relative Standard Error:	11.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.42264	10.0	284900.0	2.113198	Y
2	IC 410-199946/4	0.5	1.073853	10.0	272244.0	2.147706	Y
3	IC 410-199946/5	1.0	2.376592	10.0	280229.0	2.376592	Y
4	IC 410-199946/6	2.0	4.893005	10.0	283797.0	2.446502	Y
5	IC 410-199946/7	5.0	12.710494	10.0	292467.0	2.542099	Y
6	ICISAV 410-199946/8	10.0	28.318885	10.0	279963.0	2.831888	Y
7	IC 410-199946/9	25.0	72.422084	10.0	301509.0	2.896883	Y
8	IC 410-199946/10	70.0	186.496138	10.0	326026.0	2.664231	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

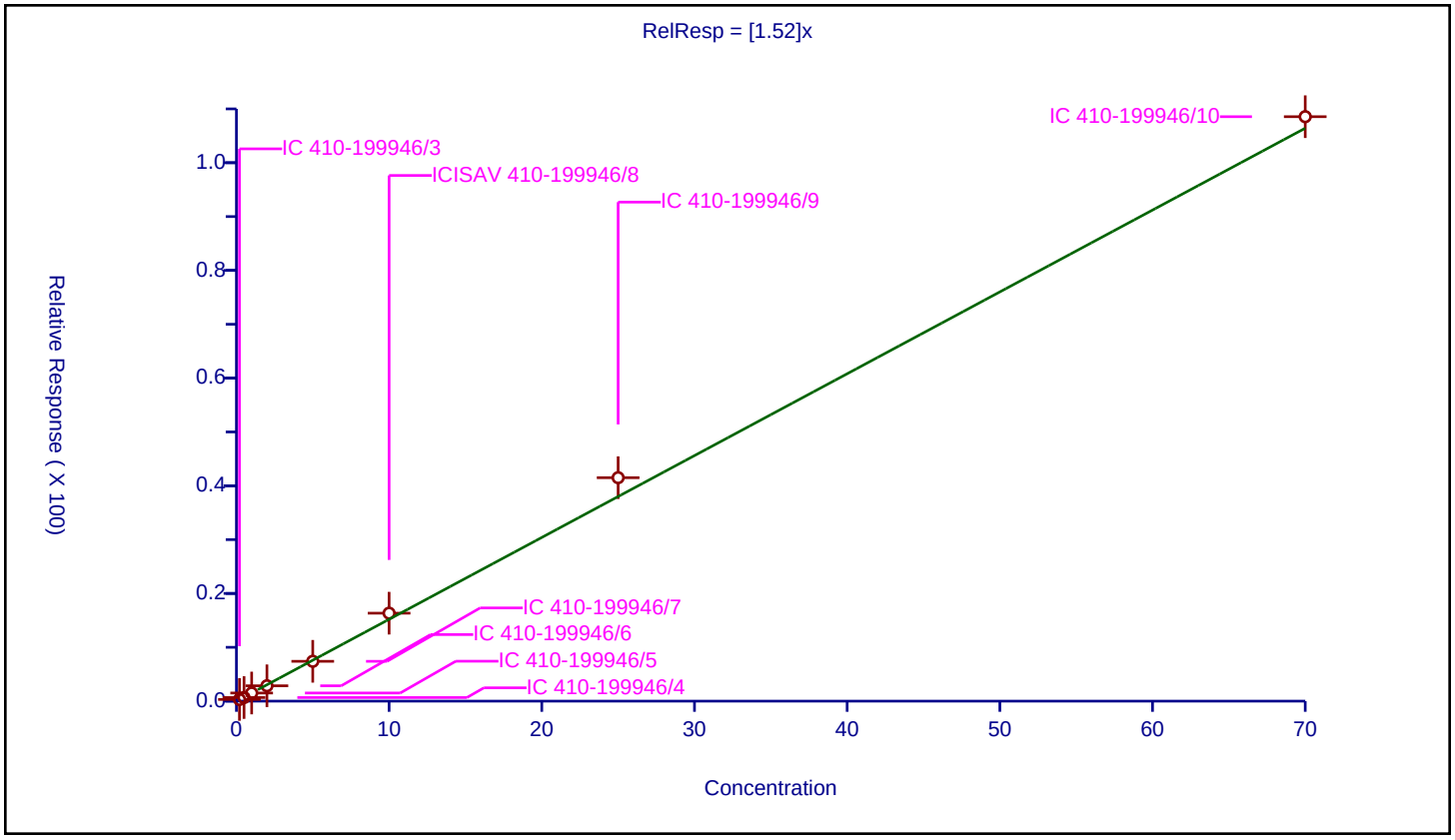
Curve Coefficients

Intercept:	0
Slope:	1.52

Error Coefficients

Standard Error:	1430000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.31239	10.0	284900.0	1.561952	Y
2	IC 410-199946/4	0.5	0.66951	10.0	272244.0	1.339019	Y
3	IC 410-199946/5	1.0	1.50973	10.0	280229.0	1.50973	Y
4	IC 410-199946/6	2.0	2.850911	10.0	283797.0	1.425456	Y
5	IC 410-199946/7	5.0	7.39998	10.0	292467.0	1.479996	Y
6	ICISAV 410-199946/8	10.0	16.338623	10.0	279963.0	1.633862	Y
7	IC 410-199946/9	25.0	41.502708	10.0	301509.0	1.660108	Y
8	IC 410-199946/10	70.0	108.551619	10.0	326026.0	1.550737	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

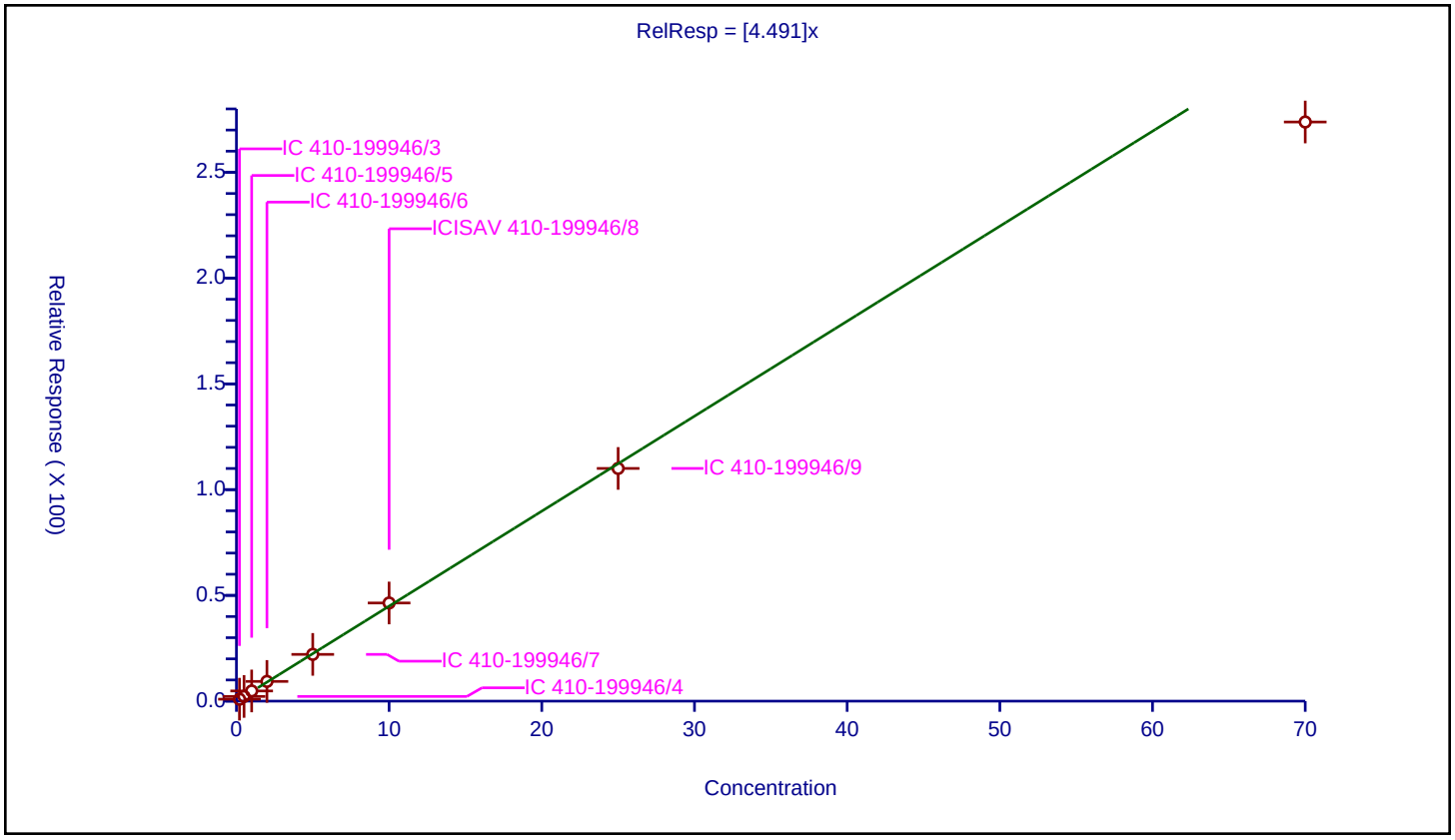
Curve Coefficients

Intercept:	0
Slope:	4.491

Error Coefficients

Standard Error:	3640000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.927027	10.0	284900.0	4.635135	Y
2	IC 410-199946/4	0.5	2.219516	10.0	272244.0	4.439033	Y
3	IC 410-199946/5	1.0	4.818702	10.0	280229.0	4.818702	Y
4	IC 410-199946/6	2.0	9.318316	10.0	283797.0	4.659158	Y
5	IC 410-199946/7	5.0	22.106426	10.0	292467.0	4.421285	Y
6	ICISAV 410-199946/8	10.0	46.411276	10.0	279963.0	4.641128	Y
7	IC 410-199946/9	25.0	110.016583	10.0	301509.0	4.400663	Y
8	IC 410-199946/10	70.0	273.804083	10.0	326026.0	3.911487	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

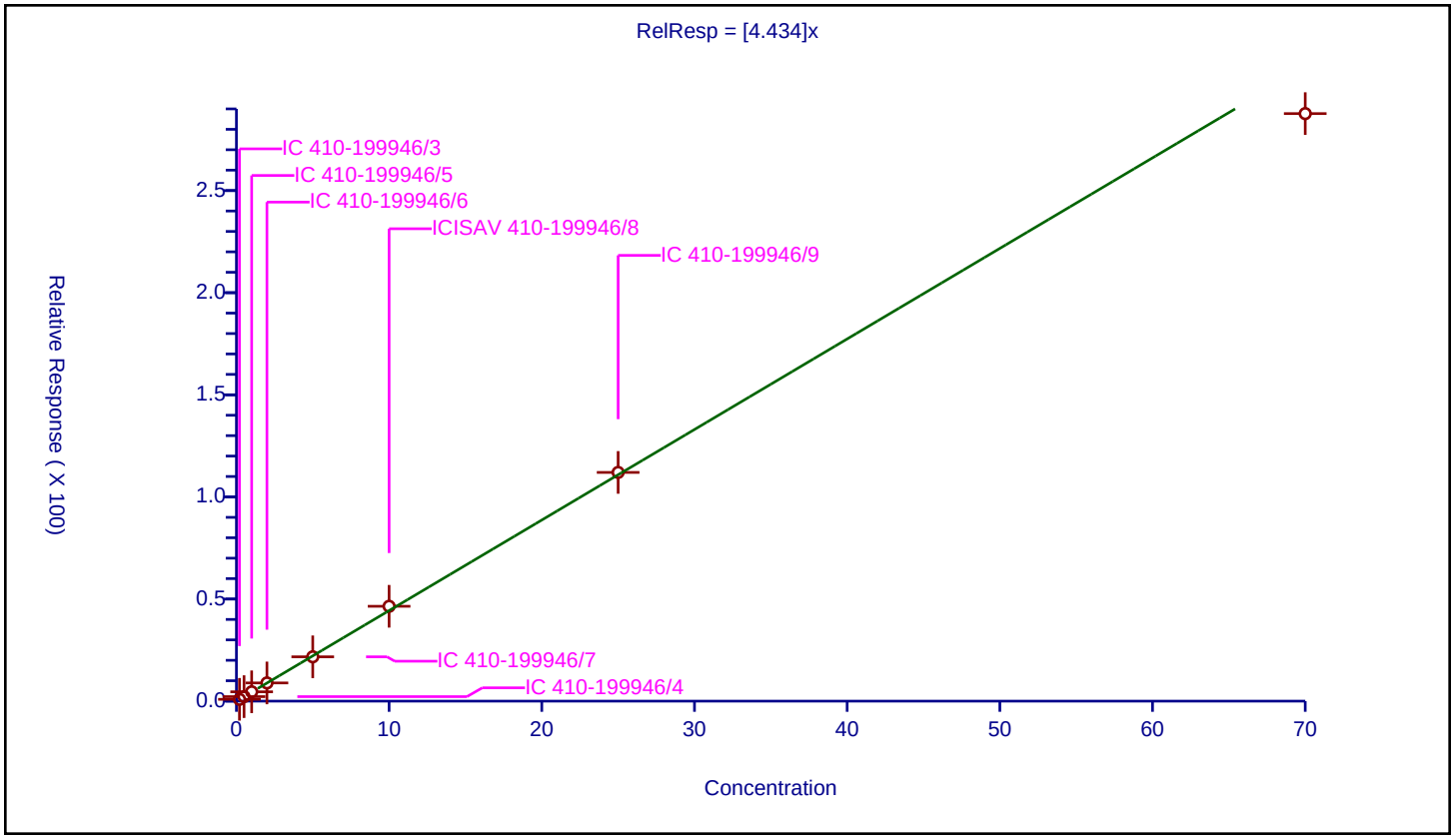
Curve Coefficients

Intercept:	0
Slope:	4.434

Error Coefficients

Standard Error:	3810000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.890207	10.0	284900.0	4.451035	Y
2	IC 410-199946/4	0.5	2.207064	10.0	272244.0	4.414129	Y
3	IC 410-199946/5	1.0	4.574651	10.0	280229.0	4.574651	Y
4	IC 410-199946/6	2.0	8.909079	10.0	283797.0	4.45454	Y
5	IC 410-199946/7	5.0	21.704808	10.0	292467.0	4.340962	Y
6	ICISAV 410-199946/8	10.0	46.442173	10.0	279963.0	4.644217	Y
7	IC 410-199946/9	25.0	111.998547	10.0	301509.0	4.479942	Y
8	IC 410-199946/10	70.0	287.697607	10.0	326026.0	4.109966	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

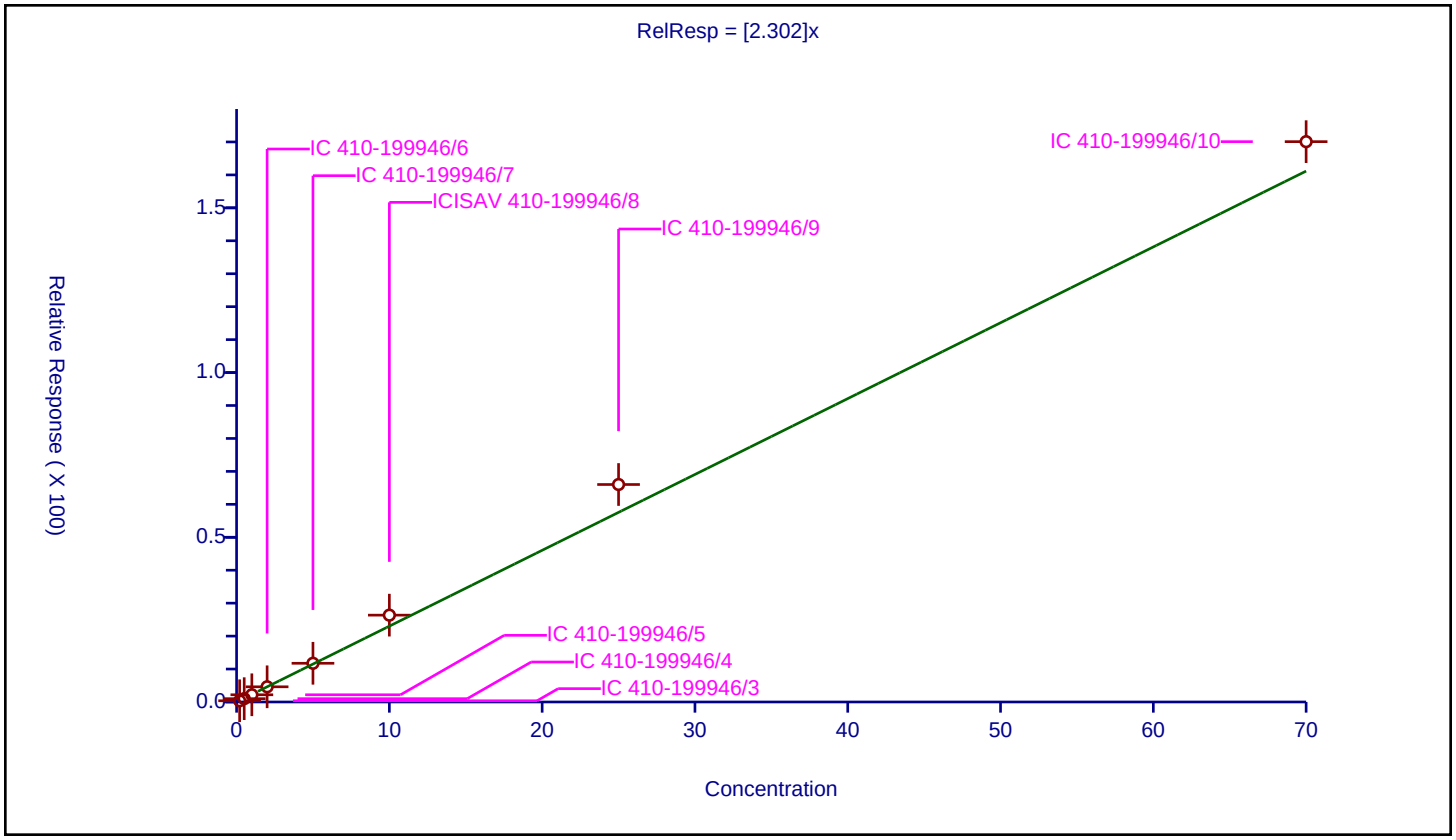
Curve Coefficients

Intercept:	0
Slope:	2.302

Error Coefficients

Standard Error:	2250000
Relative Standard Error:	12.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.370165	10.0	284900.0	1.850825	Y
2	IC 410-199946/4	0.5	1.009205	10.0	272244.0	2.01841	Y
3	IC 410-199946/5	1.0	2.18714	10.0	280229.0	2.18714	Y
4	IC 410-199946/6	2.0	4.612346	10.0	283797.0	2.306173	Y
5	IC 410-199946/7	5.0	11.746248	10.0	292467.0	2.34925	Y
6	ICISAV 410-199946/8	10.0	26.357019	10.0	279963.0	2.635702	Y
7	IC 410-199946/9	25.0	66.014016	10.0	301509.0	2.640561	Y
8	IC 410-199946/10	70.0	170.088613	10.0	326026.0	2.429837	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

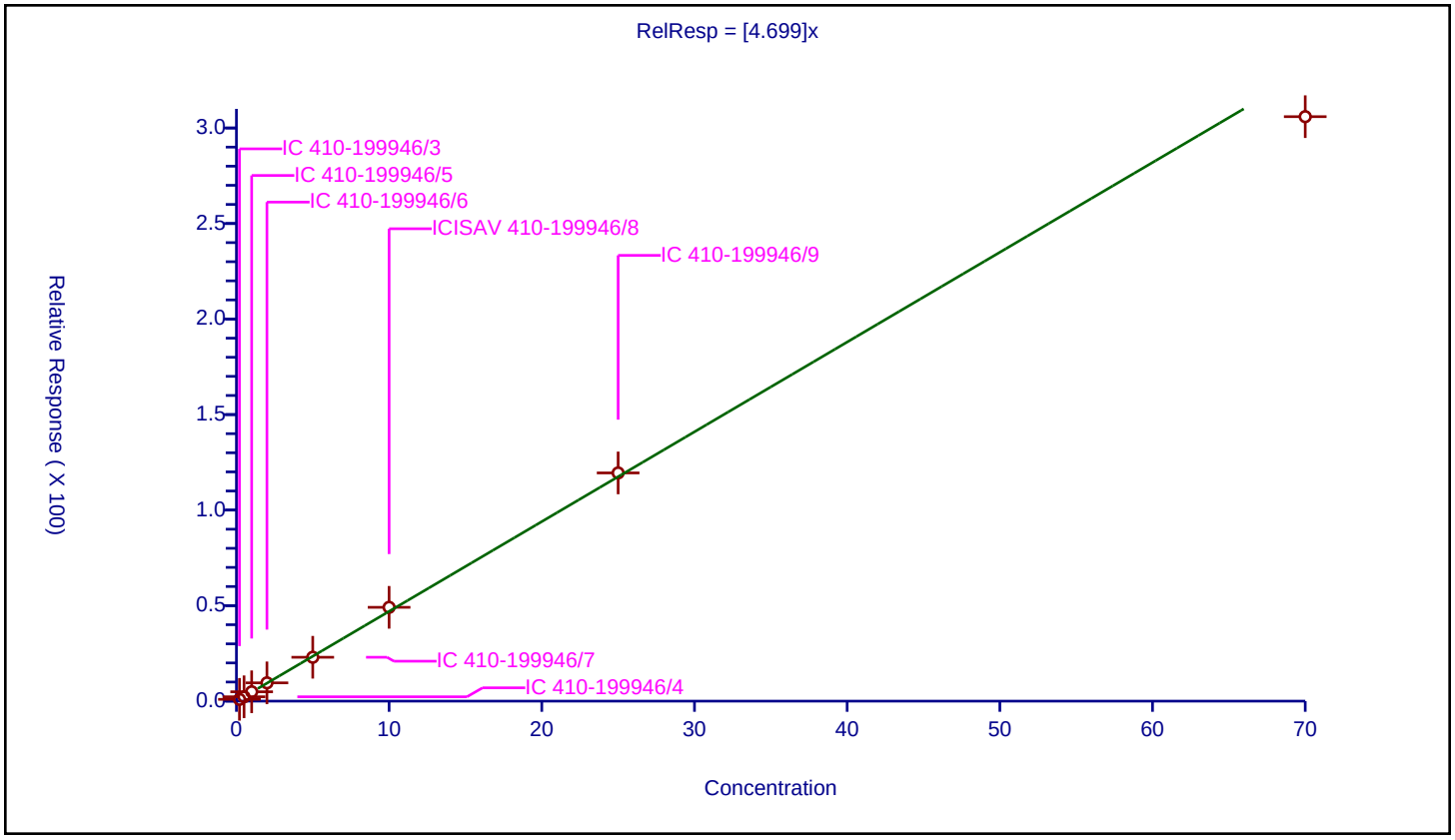
Curve Coefficients

Intercept:	0
Slope:	4.699

Error Coefficients

Standard Error:	4050000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.941243	10.0	284900.0	4.706213	Y
2	IC 410-199946/4	0.5	2.275018	10.0	272244.0	4.550036	Y
3	IC 410-199946/5	1.0	4.901456	10.0	280229.0	4.901456	Y
4	IC 410-199946/6	2.0	9.563773	10.0	283797.0	4.781886	Y
5	IC 410-199946/7	5.0	22.967241	10.0	292467.0	4.593448	Y
6	ICISAV 410-199946/8	10.0	49.101846	10.0	279963.0	4.910185	Y
7	IC 410-199946/9	25.0	119.447844	10.0	301509.0	4.777914	Y
8	IC 410-199946/10	70.0	305.932042	10.0	326026.0	4.370458	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

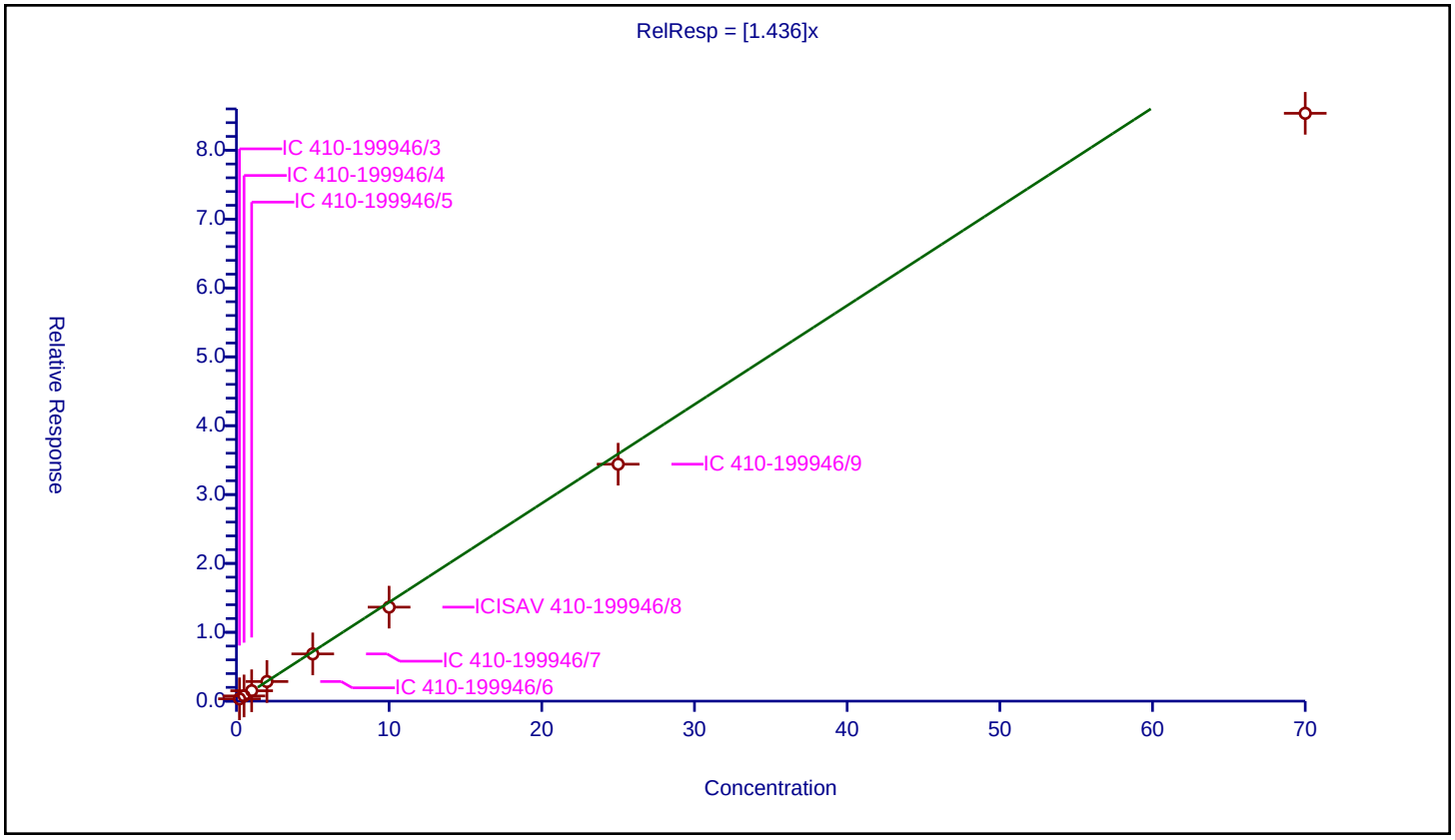
Curve Coefficients

Intercept:	0
Slope:	1.436

Error Coefficients

Standard Error:	5100000
Relative Standard Error:	10.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.34103	10.0	1205906.0	1.705149	Y
2	IC 410-199946/4	0.5	0.757412	10.0	1192865.0	1.514824	Y
3	IC 410-199946/5	1.0	1.511712	10.0	1230062.0	1.511712	Y
4	IC 410-199946/6	2.0	2.8473	10.0	1261922.0	1.42365	Y
5	IC 410-199946/7	5.0	6.858265	10.0	1293801.0	1.371653	Y
6	ICISAV 410-199946/8	10.0	13.651361	10.0	1308449.0	1.365136	Y
7	IC 410-199946/9	25.0	34.408819	10.0	1369167.0	1.376353	Y
8	IC 410-199946/10	70.0	85.357053	10.0	1462638.0	1.219386	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

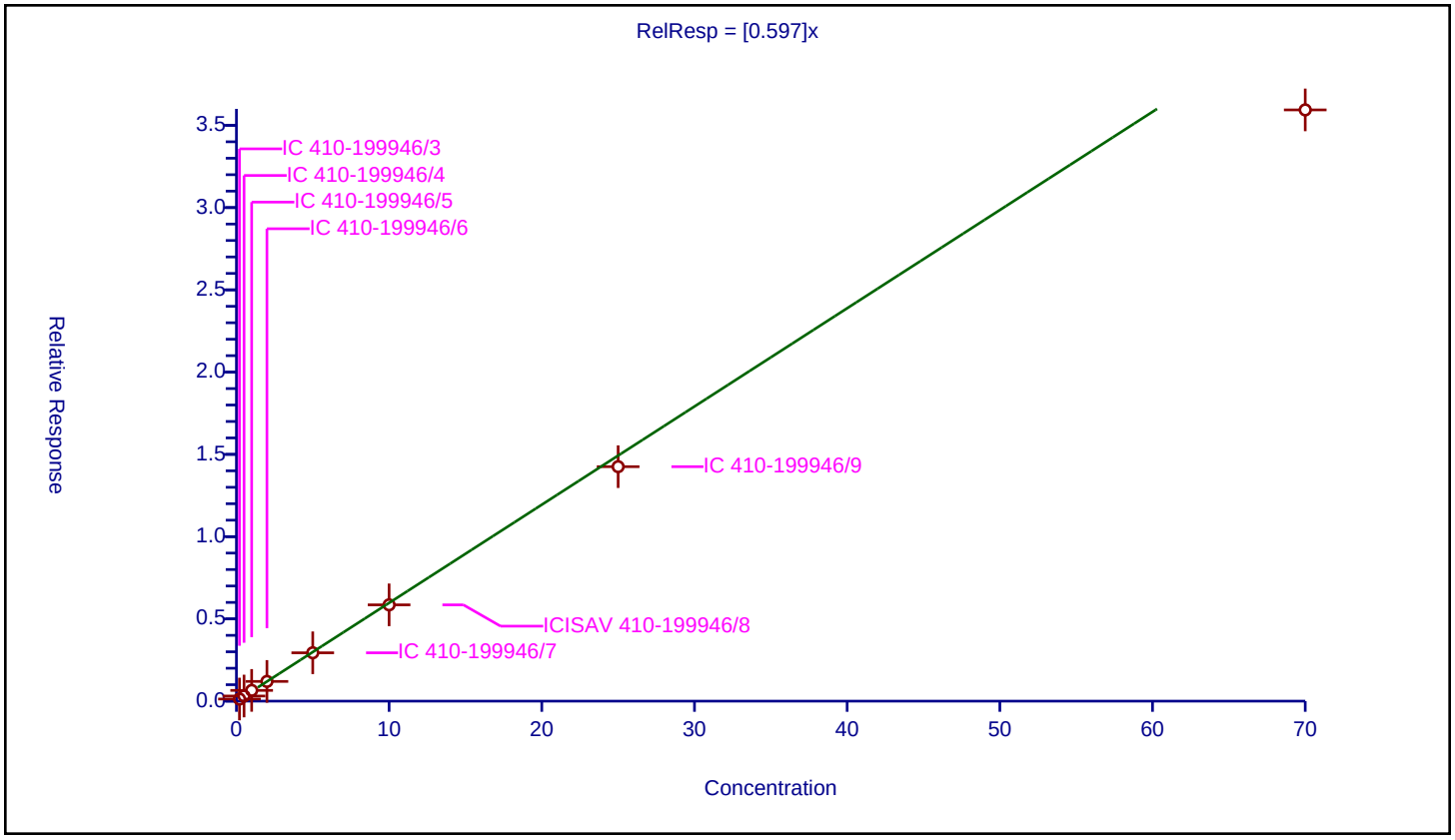
Curve Coefficients

Intercept:	0
Slope:	0.597

Error Coefficients

Standard Error:	2140000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.128741	10.0	1205906.0	0.643707	Y
2	IC 410-199946/4	0.5	0.312055	10.0	1192865.0	0.624111	Y
3	IC 410-199946/5	1.0	0.652756	10.0	1230062.0	0.652756	Y
4	IC 410-199946/6	2.0	1.198196	10.0	1261922.0	0.599098	Y
5	IC 410-199946/7	5.0	2.939509	10.0	1293801.0	0.587902	Y
6	ICISAV 410-199946/8	10.0	5.853098	10.0	1308449.0	0.58531	Y
7	IC 410-199946/9	25.0	14.251877	10.0	1369167.0	0.570075	Y
8	IC 410-199946/10	70.0	35.938852	10.0	1462638.0	0.513412	Y



Calibration / Isooctane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

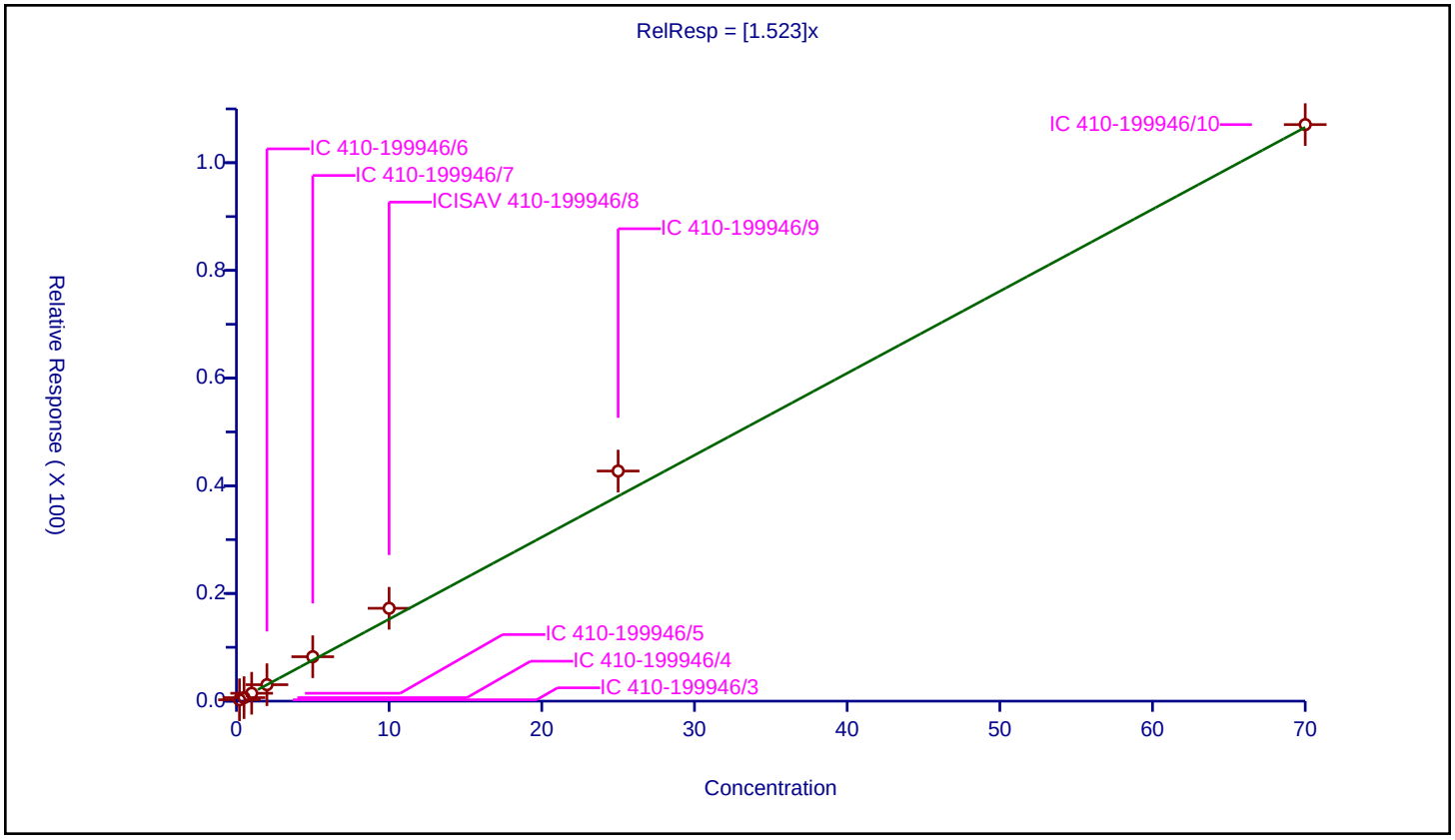
Curve Coefficients

Intercept:	0
Slope:	1.523

Error Coefficients

Standard Error:	6390000
Relative Standard Error:	11.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.254837	10.0	1205906.0	1.274187	Y
2	IC 410-199946/4	0.5	0.652404	10.0	1192865.0	1.304808	Y
3	IC 410-199946/5	1.0	1.461162	10.0	1230062.0	1.461162	Y
4	IC 410-199946/6	2.0	3.054785	10.0	1261922.0	1.527392	Y
5	IC 410-199946/7	5.0	8.248541	10.0	1293801.0	1.649708	Y
6	ICISAV 410-199946/8	10.0	17.244807	10.0	1308449.0	1.724481	Y
7	IC 410-199946/9	25.0	42.738965	10.0	1369167.0	1.709559	Y
8	IC 410-199946/10	70.0	107.081663	10.0	1462638.0	1.529738	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

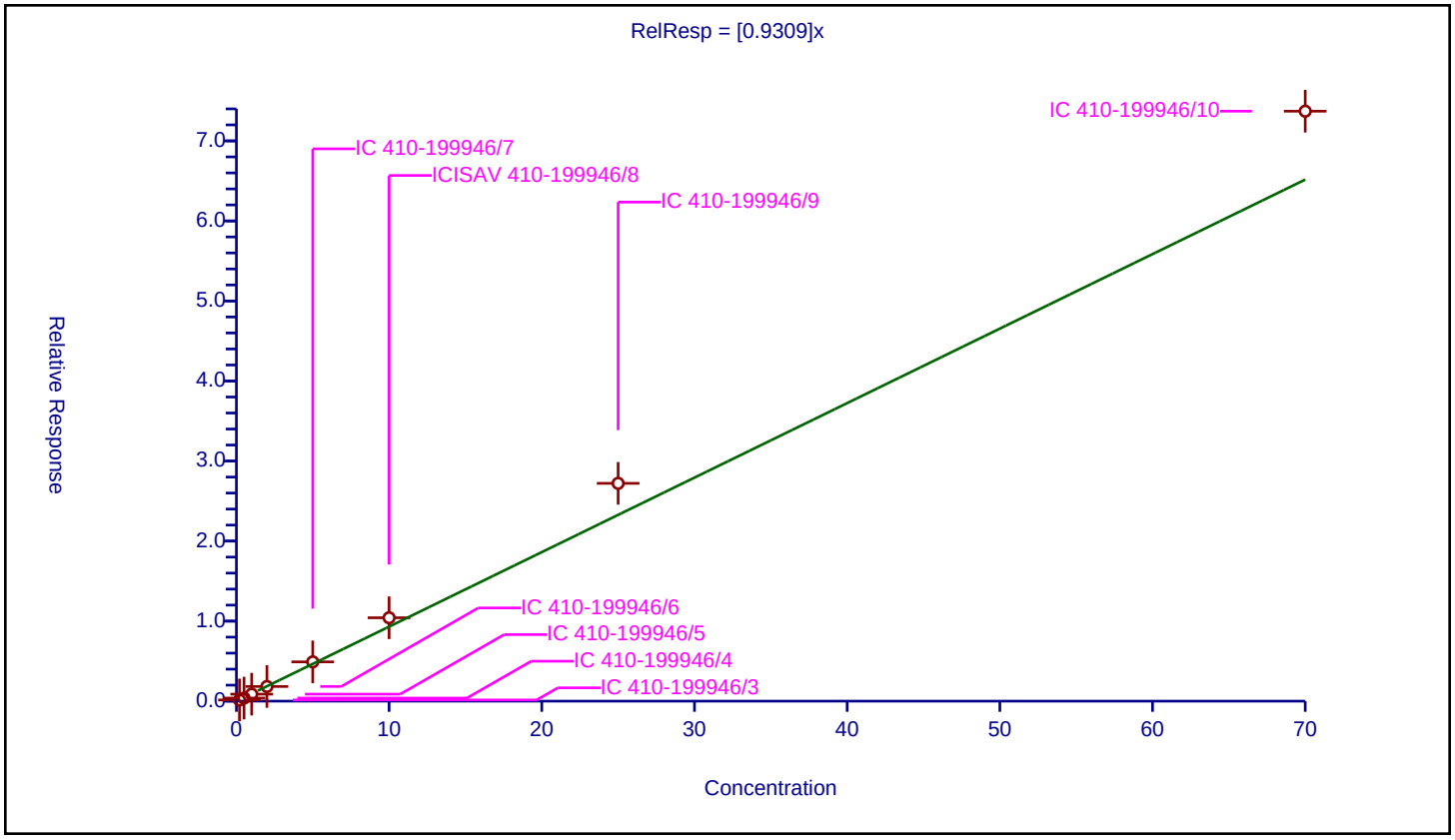
Curve Coefficients

Intercept:	0
Slope:	0.9309

Error Coefficients

Standard Error:	4350000
Relative Standard Error:	14.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.144622	10.0	1205906.0	0.723108	Y
2	IC 410-199946/4	0.5	0.385517	10.0	1192865.0	0.771034	Y
3	IC 410-199946/5	1.0	0.873102	10.0	1230062.0	0.873102	Y
4	IC 410-199946/6	2.0	1.830573	10.0	1261922.0	0.915286	Y
5	IC 410-199946/7	5.0	4.907555	10.0	1293801.0	0.981511	Y
6	ICISAV 410-199946/8	10.0	10.416264	10.0	1308449.0	1.041626	Y
7	IC 410-199946/9	25.0	27.213415	10.0	1369167.0	1.088537	Y
8	IC 410-199946/10	70.0	73.709339	10.0	1462638.0	1.052991	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

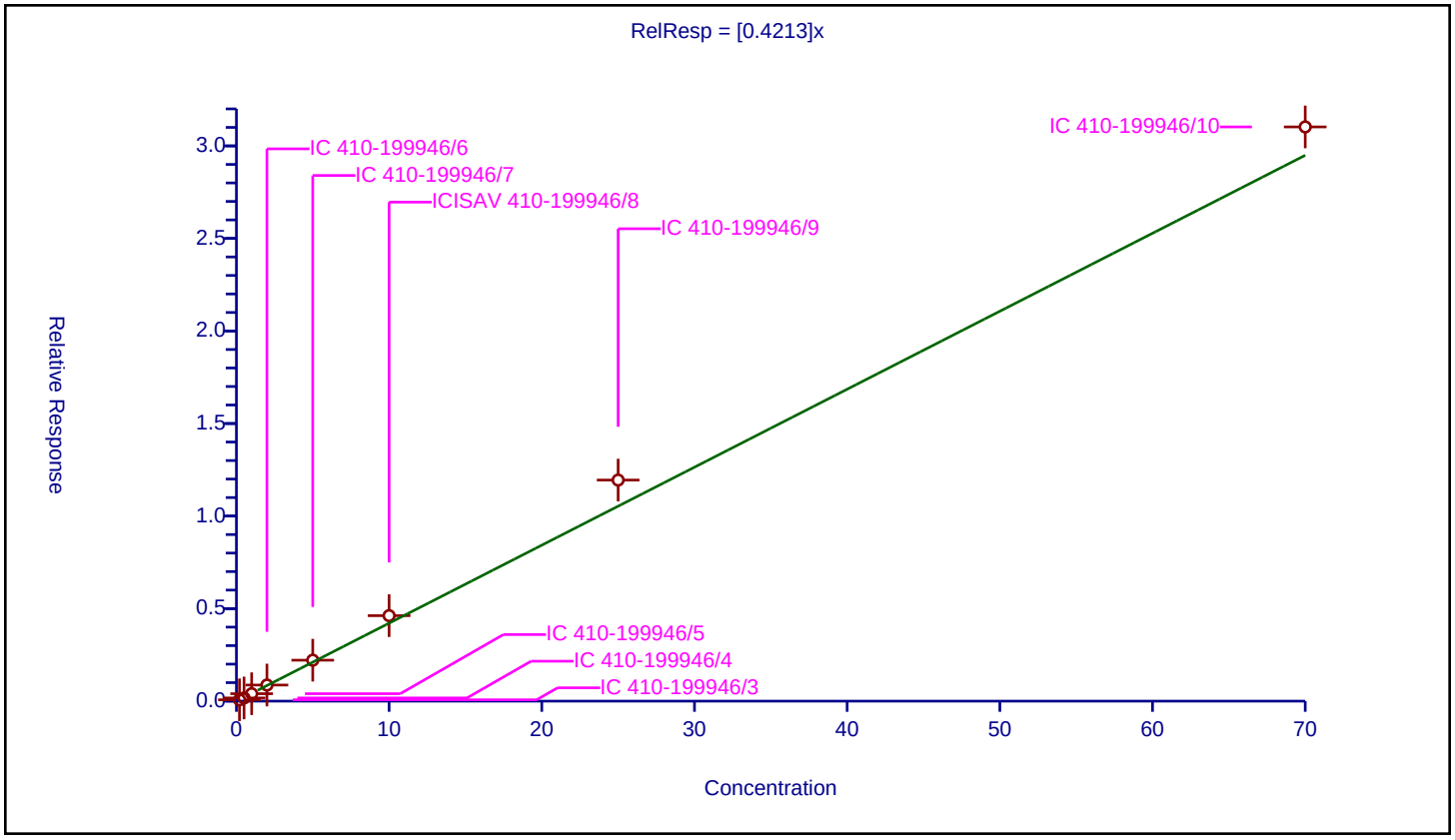
Curve Coefficients

Intercept:	0
Slope:	0.4213

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	11.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.072684	10.0	1205906.0	0.36342	Y
2	IC 410-199946/4	0.5	0.17204	10.0	1192865.0	0.344079	Y
3	IC 410-199946/5	1.0	0.402598	10.0	1230062.0	0.402598	Y
4	IC 410-199946/6	2.0	0.870395	10.0	1261922.0	0.435197	Y
5	IC 410-199946/7	5.0	2.212087	10.0	1293801.0	0.442417	Y
6	ICISAV 410-199946/8	10.0	4.619041	10.0	1308449.0	0.461904	Y
7	IC 410-199946/9	25.0	11.944365	10.0	1369167.0	0.477775	Y
8	IC 410-199946/10	70.0	31.026242	10.0	1462638.0	0.443232	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

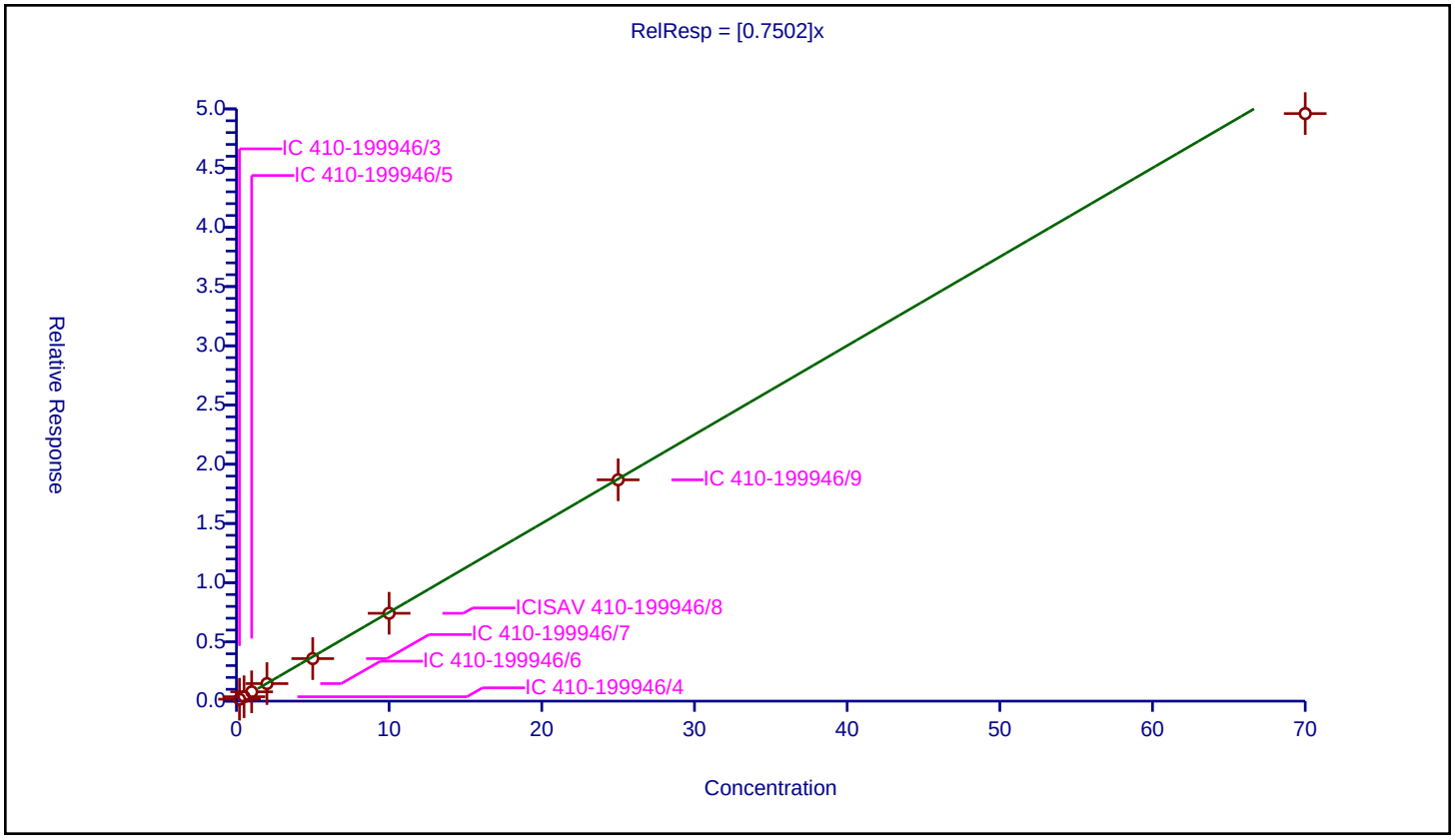
Curve Coefficients

Intercept:	0
Slope:	0.7502

Error Coefficients

Standard Error:	2940000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.162832	10.0	1205906.0	0.81416	Y
2	IC 410-199946/4	0.5	0.373068	10.0	1192865.0	0.746136	Y
3	IC 410-199946/5	1.0	0.785424	10.0	1230062.0	0.785424	Y
4	IC 410-199946/6	2.0	1.480408	10.0	1261922.0	0.740204	Y
5	IC 410-199946/7	5.0	3.590606	10.0	1293801.0	0.718121	Y
6	ICISAV 410-199946/8	10.0	7.416858	10.0	1308449.0	0.741686	Y
7	IC 410-199946/9	25.0	18.685332	10.0	1369167.0	0.747413	Y
8	IC 410-199946/10	70.0	49.604837	10.0	1462638.0	0.708641	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

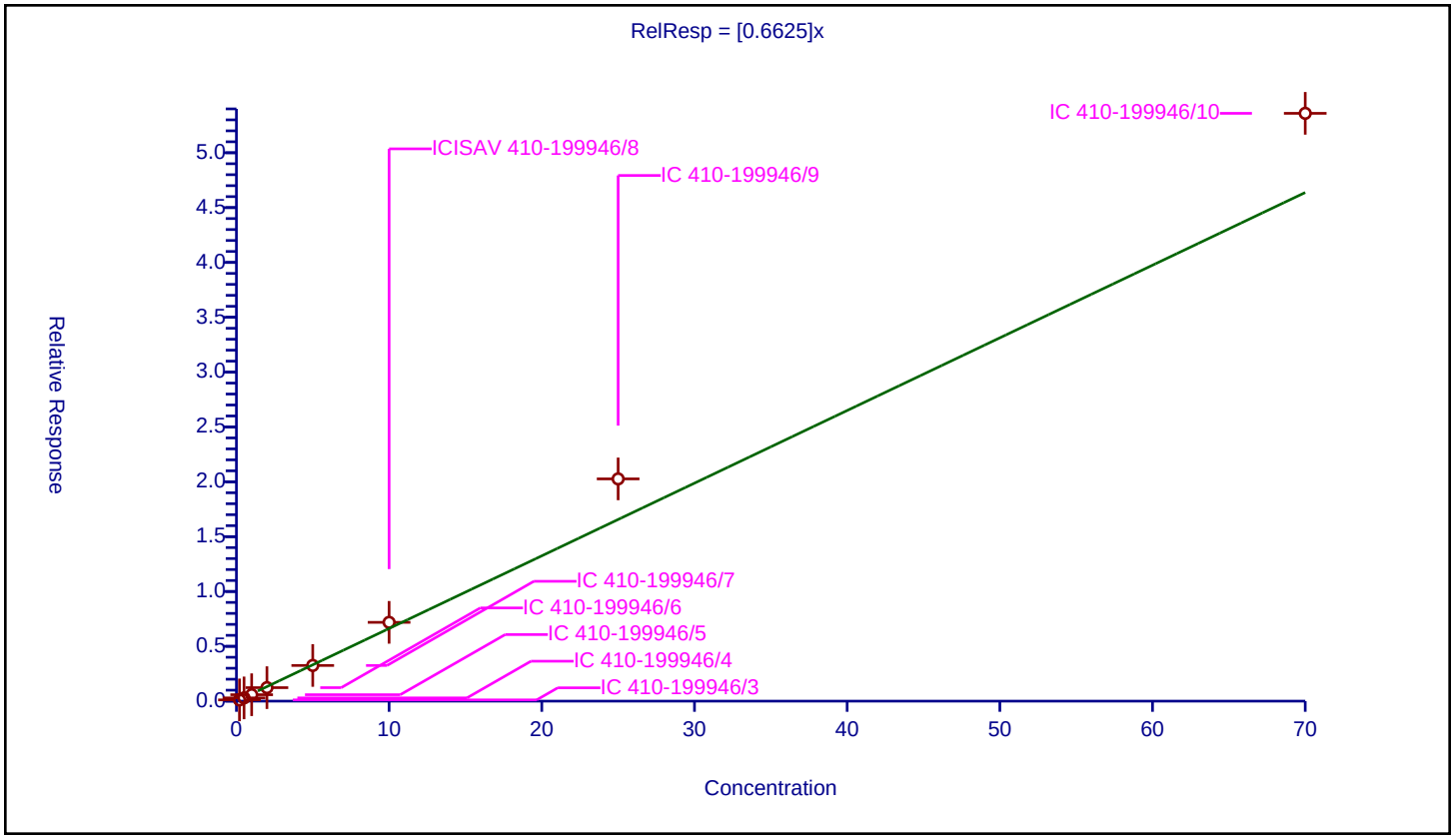
Curve Coefficients

Intercept:	0
Slope:	0.6625

Error Coefficients

Standard Error:	3170000
Relative Standard Error:	13.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.112422	10.0	1205906.0	0.562108	Y
2	IC 410-199946/4	0.5	0.296018	10.0	1192865.0	0.592037	Y
3	IC 410-199946/5	1.0	0.586092	10.0	1230062.0	0.586092	Y
4	IC 410-199946/6	2.0	1.228935	10.0	1261922.0	0.614467	Y
5	IC 410-199946/7	5.0	3.252772	10.0	1293801.0	0.650554	Y
6	ICISAV 410-199946/8	10.0	7.184797	10.0	1308449.0	0.71848	Y
7	IC 410-199946/9	25.0	20.263262	10.0	1369167.0	0.81053	Y
8	IC 410-199946/10	70.0	53.595052	10.0	1462638.0	0.765644	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

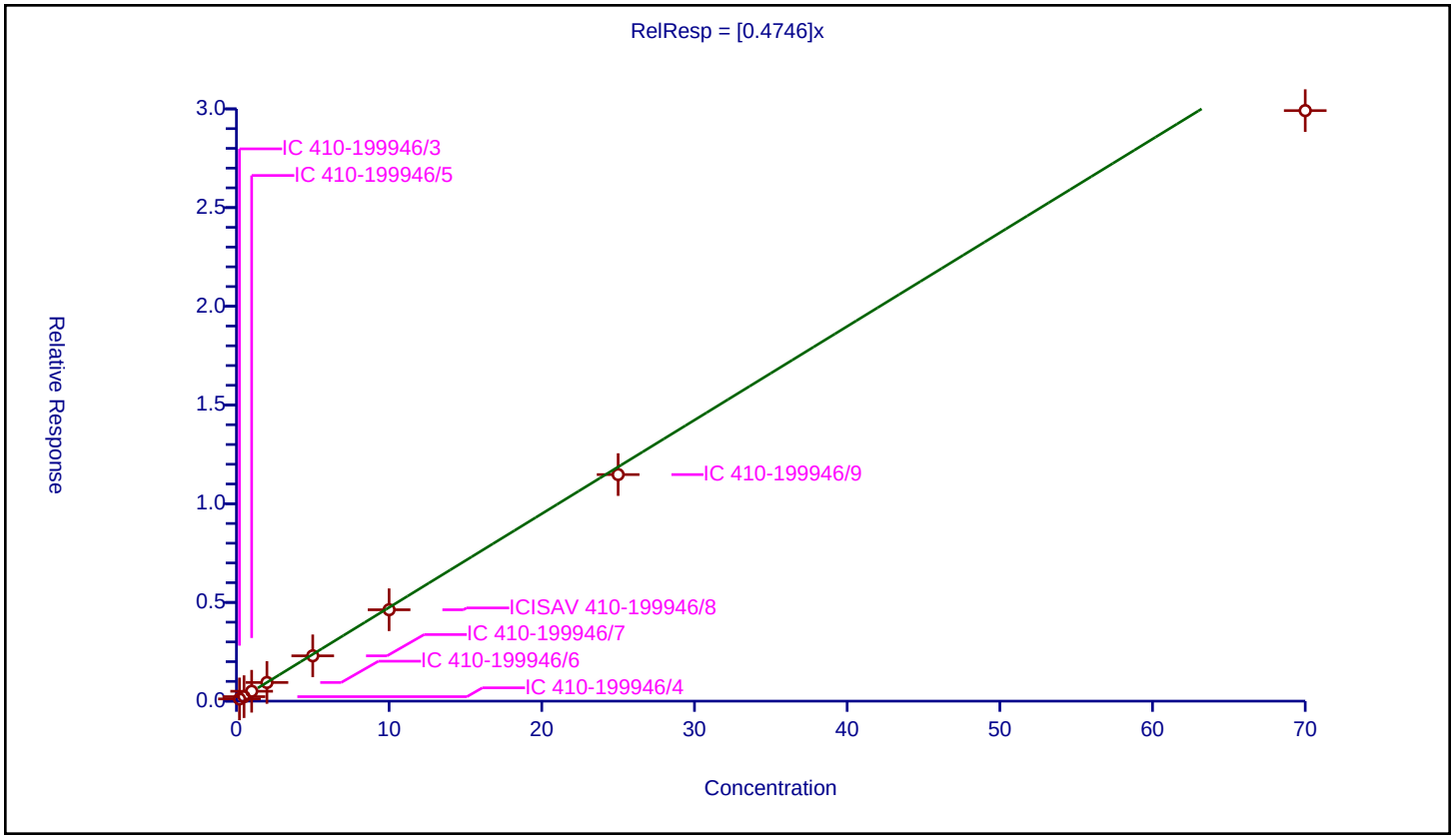
Curve Coefficients

Intercept:	0
Slope:	0.4746

Error Coefficients

Standard Error:	1780000
Relative Standard Error:	8.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.112015	10.0	1205906.0	0.560077	Y
2	IC 410-199946/4	0.5	0.226866	10.0	1192865.0	0.453731	Y
3	IC 410-199946/5	1.0	0.501788	10.0	1230062.0	0.501788	Y
4	IC 410-199946/6	2.0	0.944916	10.0	1261922.0	0.472458	Y
5	IC 410-199946/7	5.0	2.295778	10.0	1293801.0	0.459156	Y
6	ICISAV 410-199946/8	10.0	4.629214	10.0	1308449.0	0.462921	Y
7	IC 410-199946/9	25.0	11.475854	10.0	1369167.0	0.459034	Y
8	IC 410-199946/10	70.0	29.91168	10.0	1462638.0	0.42731	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

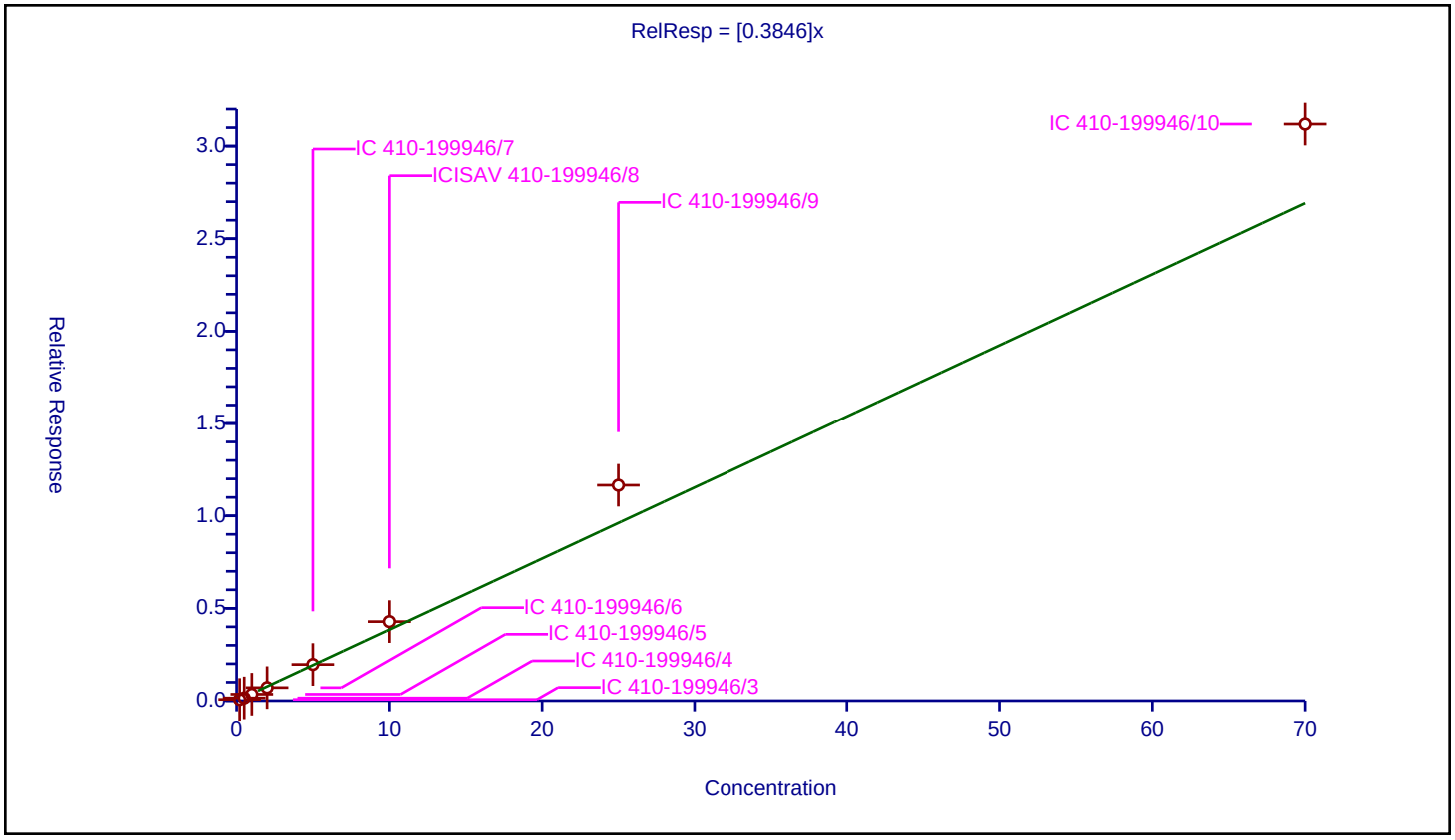
Curve Coefficients

Intercept:	0
Slope:	0.3846

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	15.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.067808	10.0	1205906.0	0.33904	Y
2	IC 410-199946/4	0.5	0.149707	10.0	1192865.0	0.299414	Y
3	IC 410-199946/5	1.0	0.351592	10.0	1230062.0	0.351592	Y
4	IC 410-199946/6	2.0	0.708221	10.0	1261922.0	0.354111	Y
5	IC 410-199946/7	5.0	1.96143	10.0	1293801.0	0.392286	Y
6	ICISAV 410-199946/8	10.0	4.282368	10.0	1308449.0	0.428237	Y
7	IC 410-199946/9	25.0	11.656942	10.0	1369167.0	0.466278	Y
8	IC 410-199946/10	70.0	31.191491	10.0	1462638.0	0.445593	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

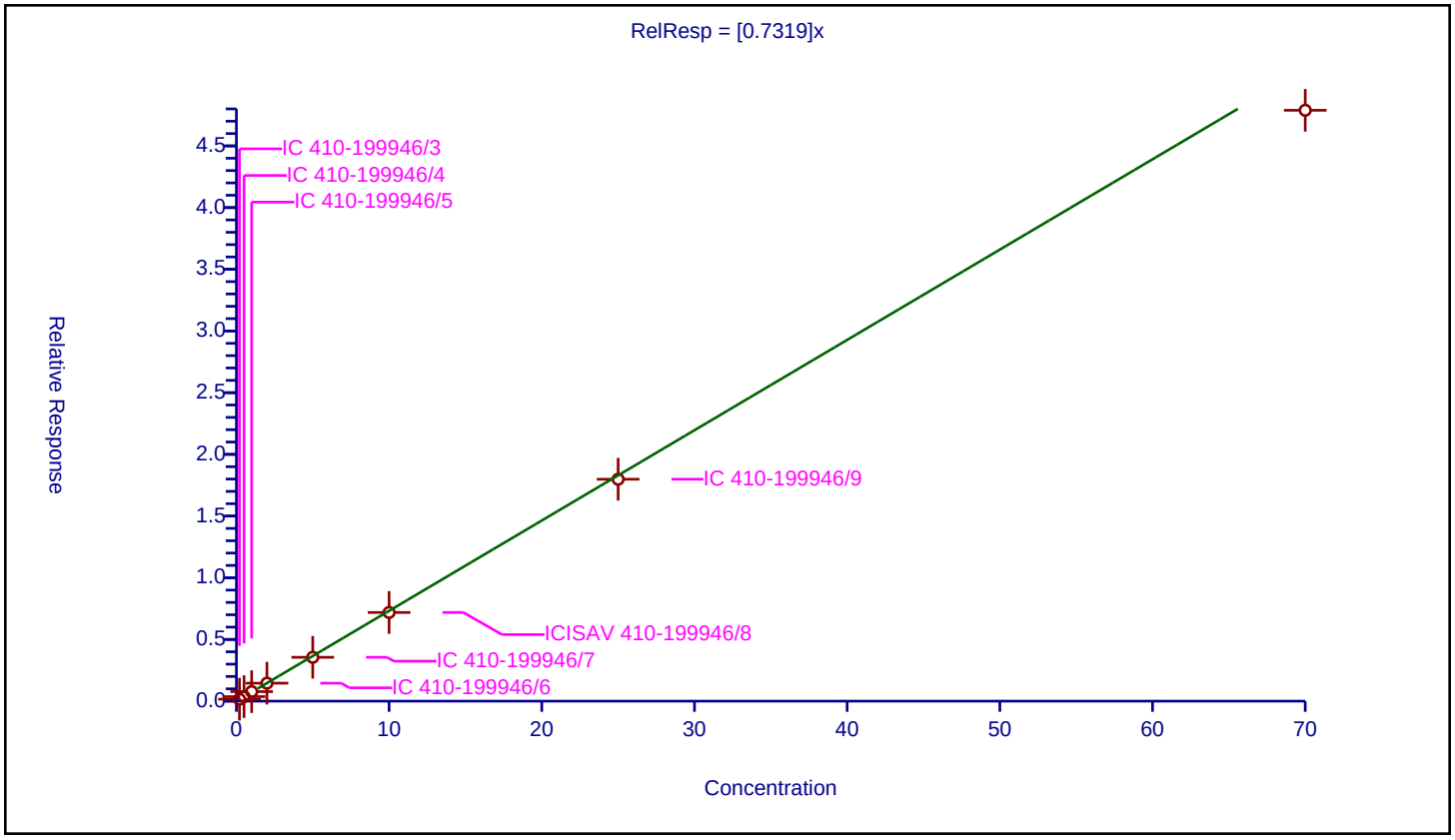
Curve Coefficients

Intercept:	0
Slope:	0.7319

Error Coefficients

Standard Error:	2840000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.158163	10.0	1205906.0	0.790816	Y
2	IC 410-199946/4	0.5	0.366236	10.0	1192865.0	0.732472	Y
3	IC 410-199946/5	1.0	0.770758	10.0	1230062.0	0.770758	Y
4	IC 410-199946/6	2.0	1.457008	10.0	1261922.0	0.728504	Y
5	IC 410-199946/7	5.0	3.551512	10.0	1293801.0	0.710302	Y
6	ICISAV 410-199946/8	10.0	7.187777	10.0	1308449.0	0.718778	Y
7	IC 410-199946/9	25.0	17.984651	10.0	1369167.0	0.719386	Y
8	IC 410-199946/10	70.0	47.888486	10.0	1462638.0	0.684121	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

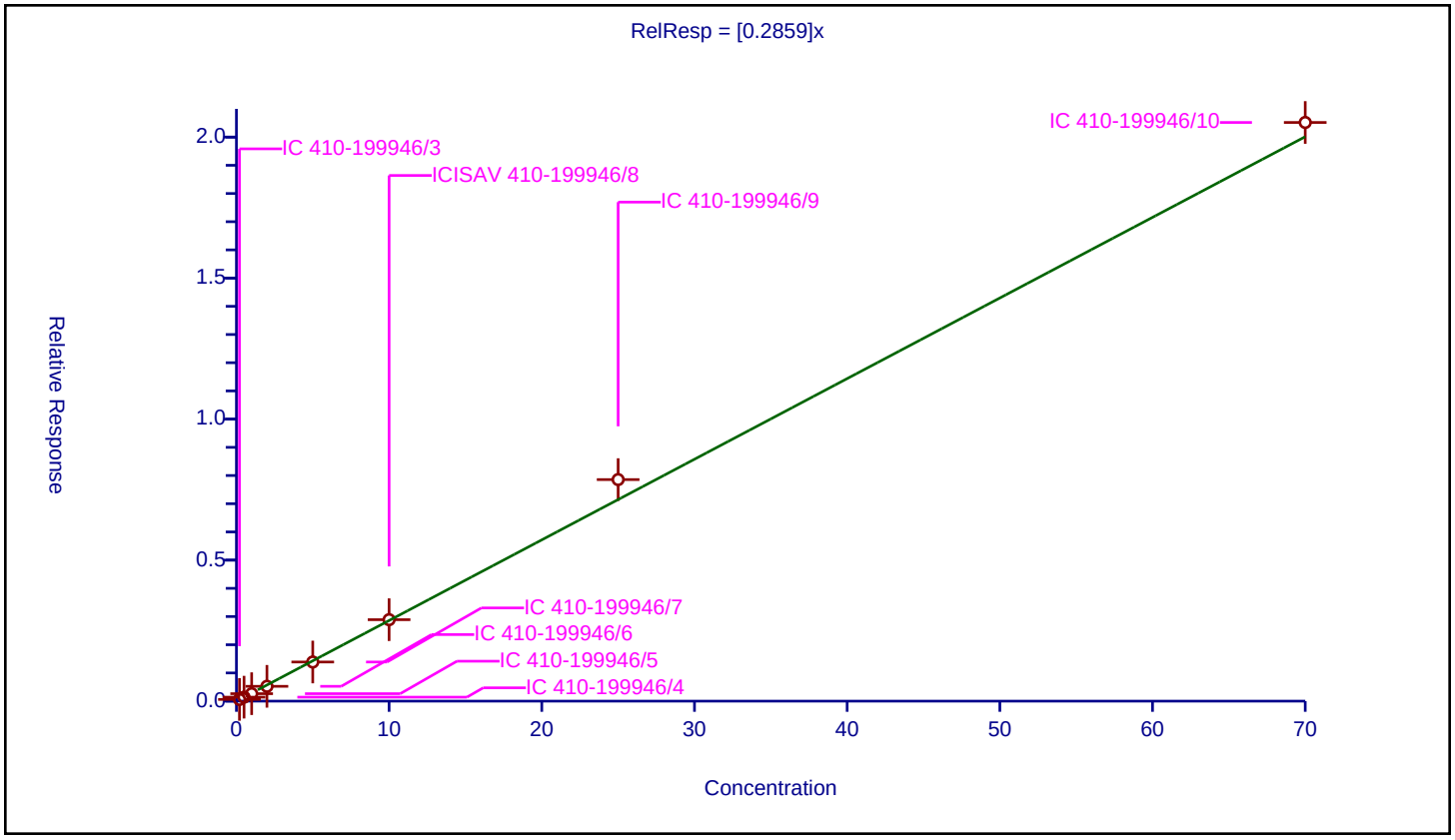
Curve Coefficients

Intercept:	0
Slope:	0.2859

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.06061	10.0	1205906.0	0.30305	Y
2	IC 410-199946/4	0.5	0.141366	10.0	1192865.0	0.282731	Y
3	IC 410-199946/5	1.0	0.265149	10.0	1230062.0	0.265149	Y
4	IC 410-199946/6	2.0	0.525246	10.0	1261922.0	0.262623	Y
5	IC 410-199946/7	5.0	1.387408	10.0	1293801.0	0.277482	Y
6	ICISAV 410-199946/8	10.0	2.88842	10.0	1308449.0	0.288842	Y
7	IC 410-199946/9	25.0	7.855645	10.0	1369167.0	0.314226	Y
8	IC 410-199946/10	70.0	20.518392	10.0	1462638.0	0.29312	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

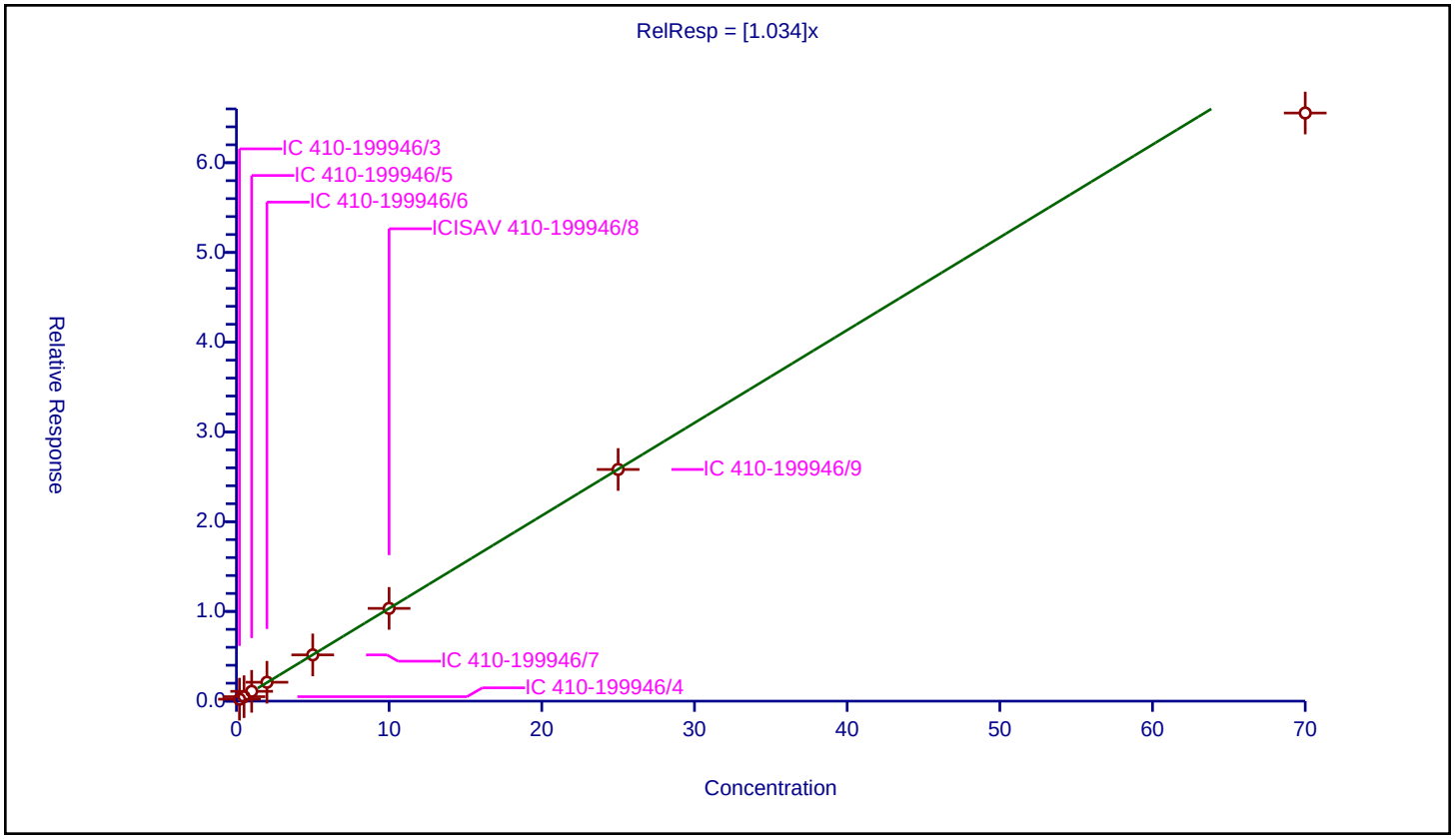
Curve Coefficients

Intercept:	0
Slope:	1.034

Error Coefficients

Standard Error:	3910000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.218757	10.0	1205906.0	1.093783	Y
2	IC 410-199946/4	0.5	0.497776	10.0	1192865.0	0.995553	Y
3	IC 410-199946/5	1.0	1.093595	10.0	1230062.0	1.093595	Y
4	IC 410-199946/6	2.0	2.105209	10.0	1261922.0	1.052605	Y
5	IC 410-199946/7	5.0	5.155507	10.0	1293801.0	1.031101	Y
6	ICISAV 410-199946/8	10.0	10.336796	10.0	1308449.0	1.03368	Y
7	IC 410-199946/9	25.0	25.817866	10.0	1369167.0	1.032715	Y
8	IC 410-199946/10	70.0	65.541221	10.0	1462638.0	0.936303	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

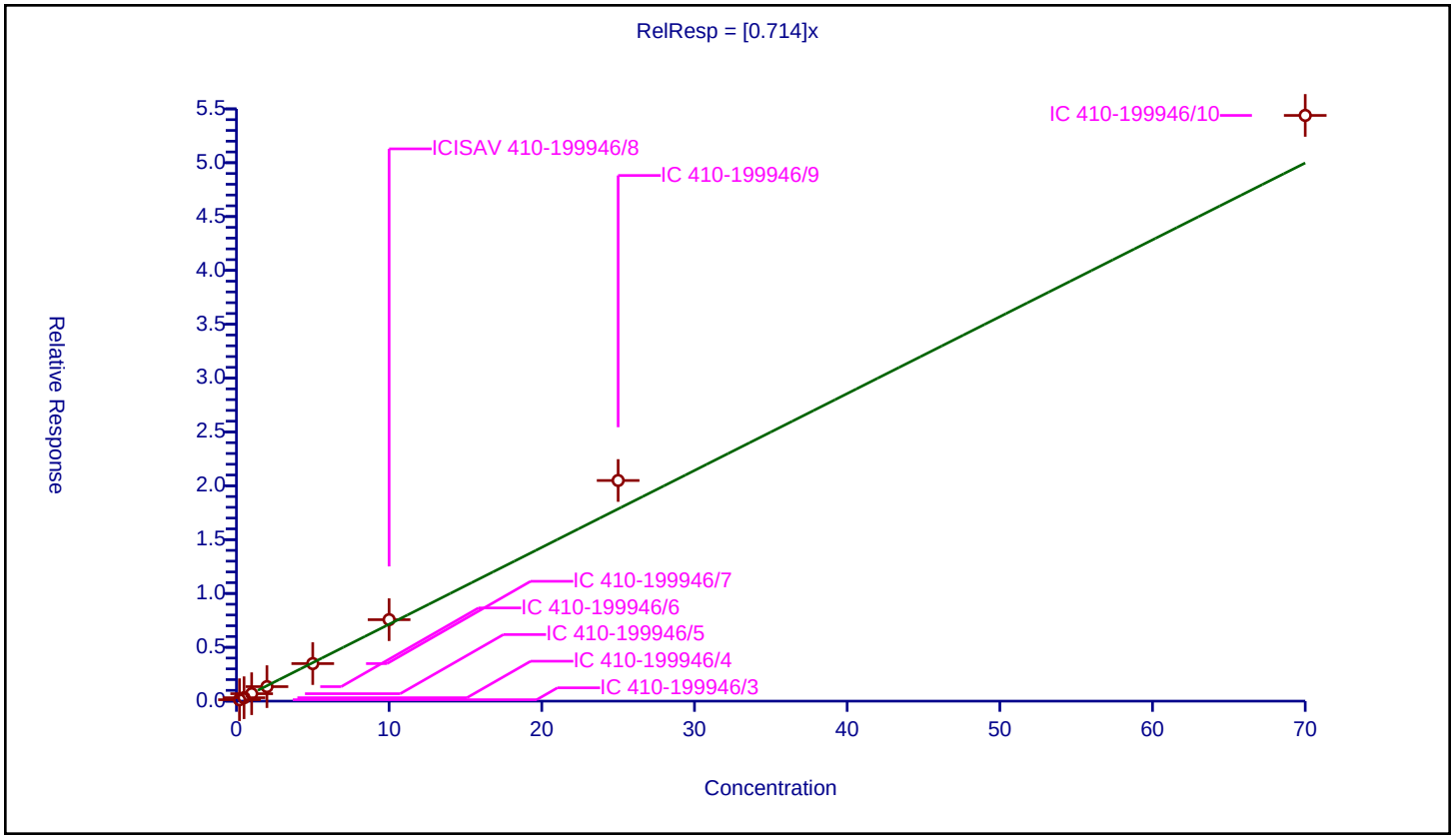
Curve Coefficients

Intercept:	0
Slope:	0.714

Error Coefficients

Standard Error:	3220000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.132622	10.0	1205906.0	0.663111	Y
2	IC 410-199946/4	0.5	0.316708	10.0	1192865.0	0.633416	Y
3	IC 410-199946/5	1.0	0.691022	10.0	1230062.0	0.691022	Y
4	IC 410-199946/6	2.0	1.347746	10.0	1261922.0	0.673873	Y
5	IC 410-199946/7	5.0	3.486564	10.0	1293801.0	0.697313	Y
6	ICISAV 410-199946/8	10.0	7.565713	10.0	1308449.0	0.756571	Y
7	IC 410-199946/9	25.0	20.490751	10.0	1369167.0	0.81963	Y
8	IC 410-199946/10	70.0	54.39324	10.0	1462638.0	0.777046	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

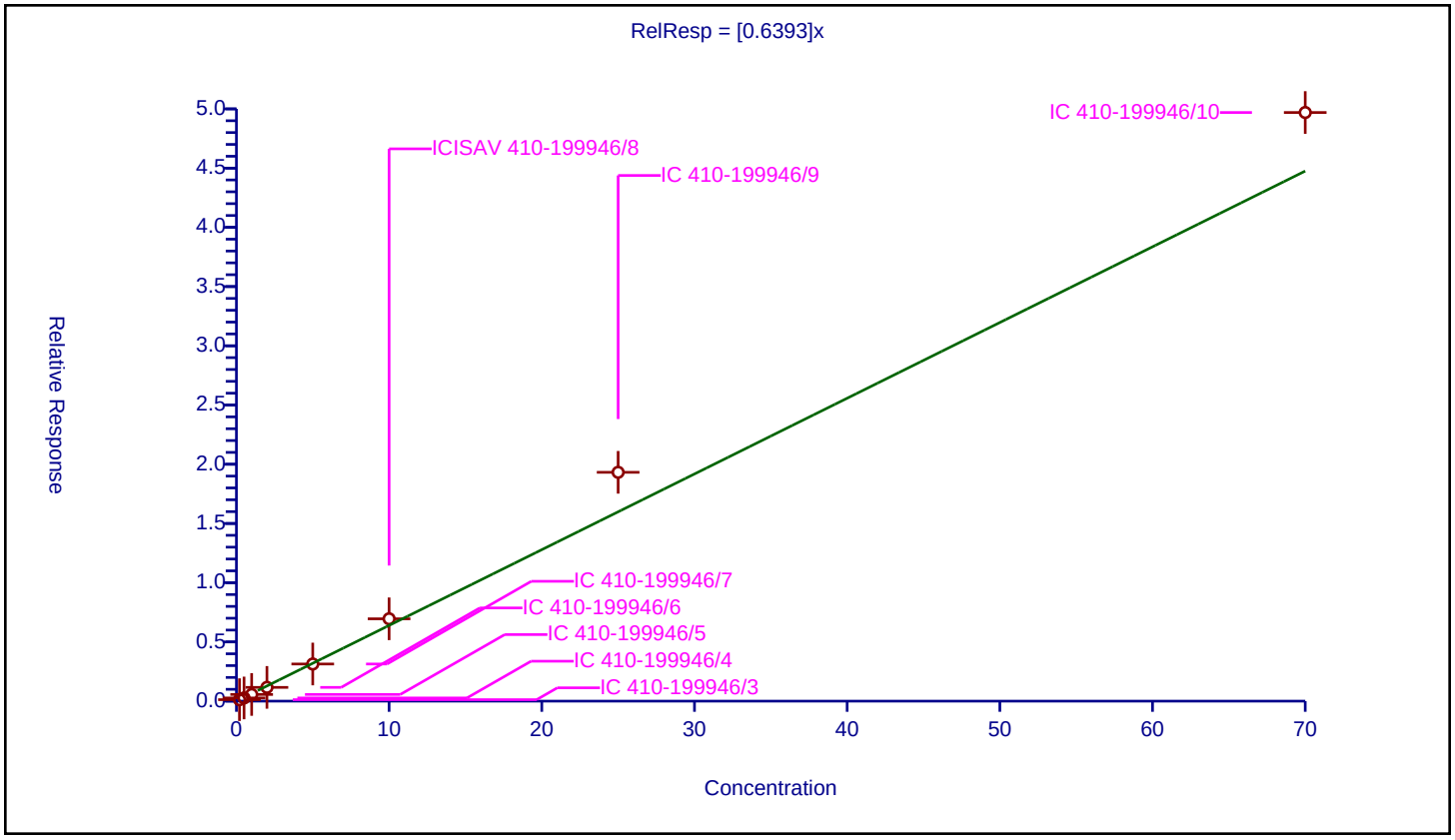
Curve Coefficients

Intercept:	0
Slope:	0.6393

Error Coefficients

Standard Error:	2950000
Relative Standard Error:	12.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.125283	10.0	1205906.0	0.626417	Y
2	IC 410-199946/4	0.5	0.269452	10.0	1192865.0	0.538904	Y
3	IC 410-199946/5	1.0	0.563451	10.0	1230062.0	0.563451	Y
4	IC 410-199946/6	2.0	1.161324	10.0	1261922.0	0.580662	Y
5	IC 410-199946/7	5.0	3.135266	10.0	1293801.0	0.627053	Y
6	ICISAV 410-199946/8	10.0	6.952193	10.0	1308449.0	0.695219	Y
7	IC 410-199946/9	25.0	19.319002	10.0	1369167.0	0.77276	Y
8	IC 410-199946/10	70.0	49.693793	10.0	1462638.0	0.709911	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

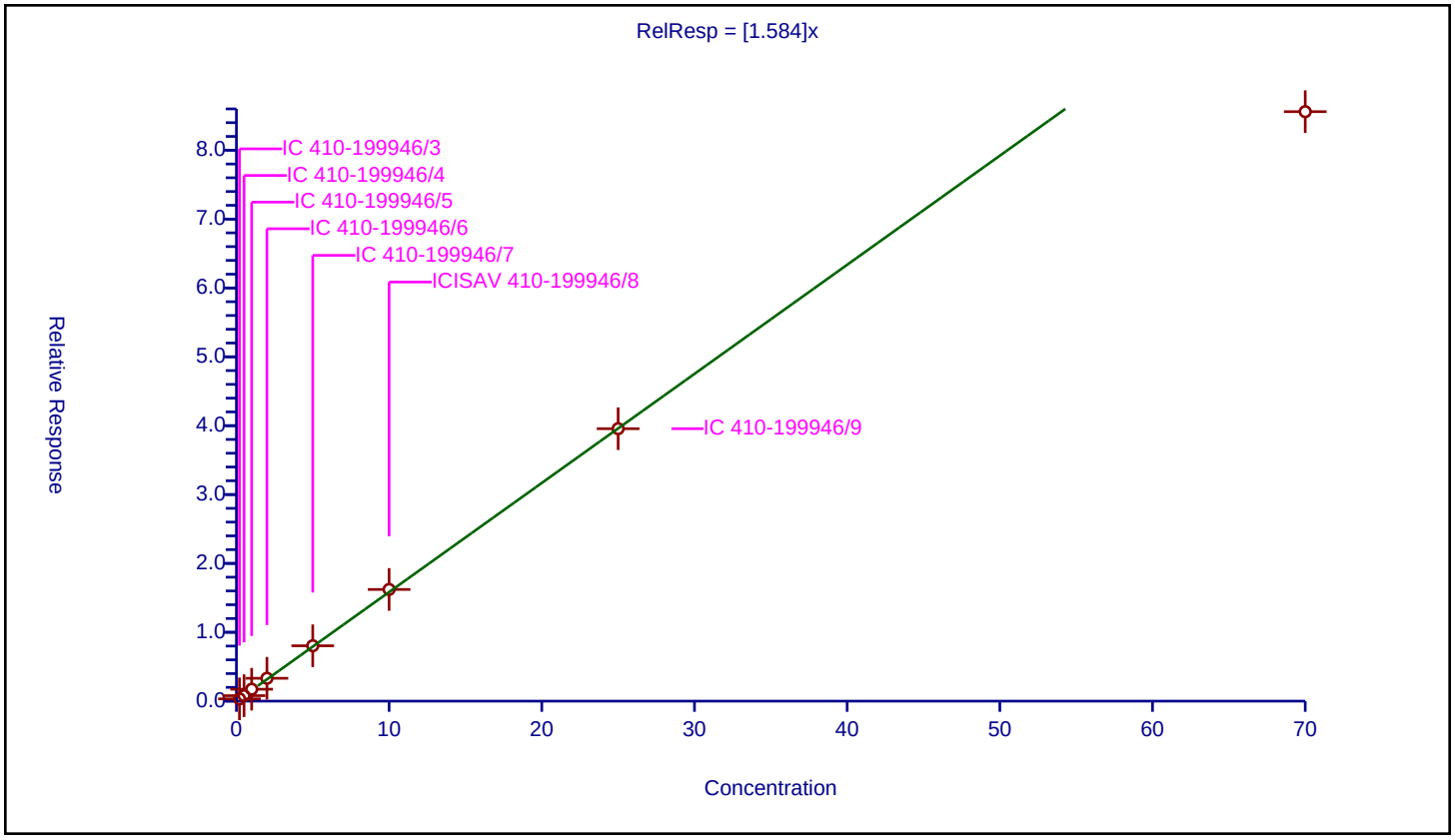
Curve Coefficients

Intercept:	0
Slope:	1.584

Error Coefficients

Standard Error:	5800000
Relative Standard Error:	9.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.331594	10.0	1380273.0	1.657969	Y
2	IC 410-199946/4	0.5	0.793934	10.0	1312804.0	1.587868	Y
3	IC 410-199946/5	1.0	1.732516	10.0	1346510.0	1.732516	Y
4	IC 410-199946/6	2.0	3.31857	10.0	1336196.0	1.659285	Y
5	IC 410-199946/7	5.0	8.040177	10.0	1382130.0	1.608035	Y
6	ICISAV 410-199946/8	10.0	16.217922	10.0	1404741.0	1.621792	Y
7	IC 410-199946/9	25.0	39.561158	10.0	1493703.0	1.582446	Y
8	IC 410-199946/10	70.0	85.596376	10.0	1626626.0	1.222805	Y



Calibration / n-Octane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

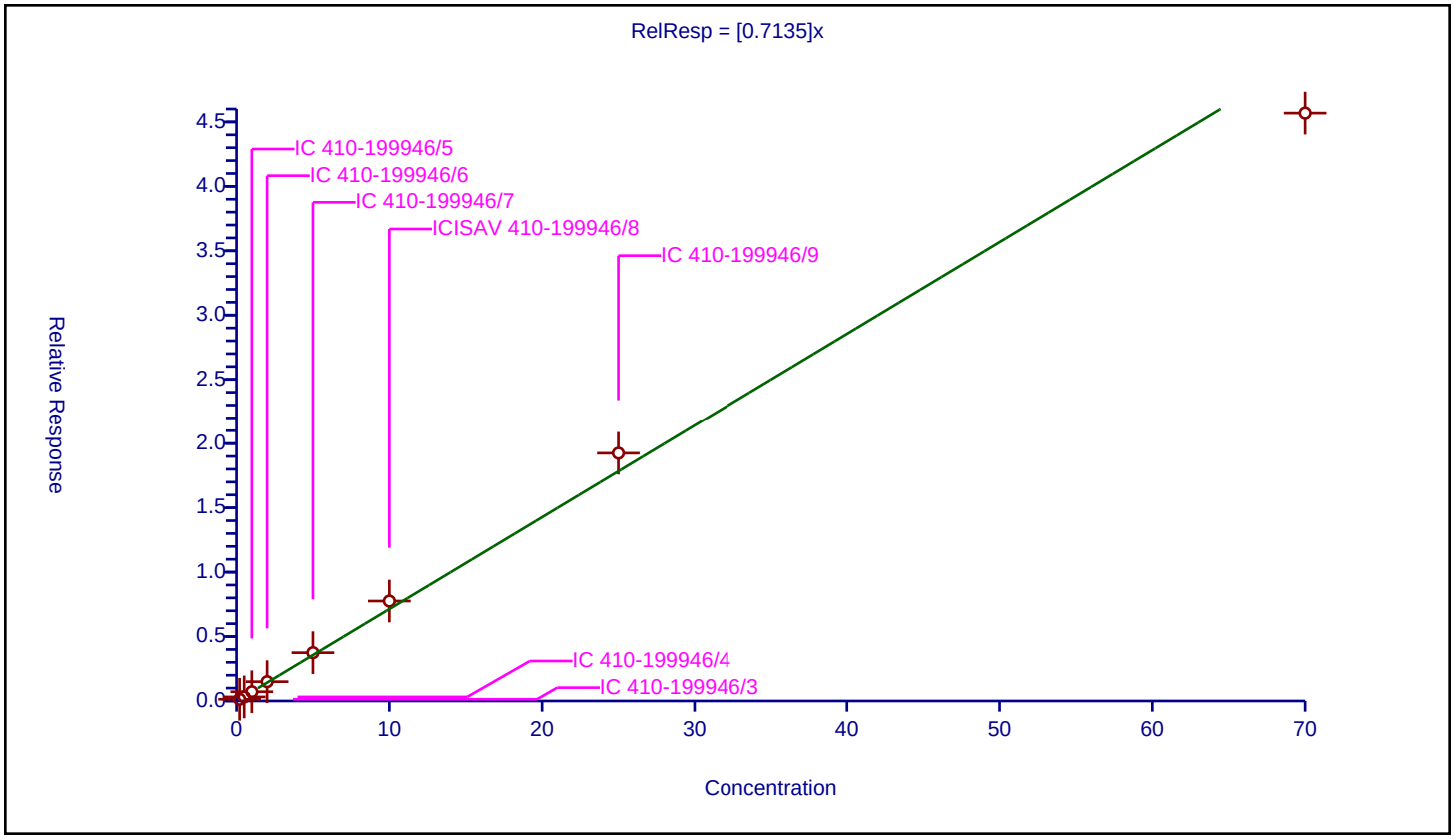
Curve Coefficients

Intercept:	0
Slope:	0.7135

Error Coefficients

Standard Error:	3050000
Relative Standard Error:	8.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.132901	10.0	1380273.0	0.664506	Y
2	IC 410-199946/4	0.5	0.31515	10.0	1312804.0	0.6303	Y
3	IC 410-199946/5	1.0	0.716014	10.0	1346510.0	0.716014	Y
4	IC 410-199946/6	2.0	1.498508	10.0	1336196.0	0.749254	Y
5	IC 410-199946/7	5.0	3.750089	10.0	1382130.0	0.750018	Y
6	ICISAV 410-199946/8	10.0	7.756319	10.0	1404741.0	0.775632	Y
7	IC 410-199946/9	25.0	19.245124	10.0	1493703.0	0.769805	Y
8	IC 410-199946/10	70.0	45.681644	10.0	1626626.0	0.652595	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

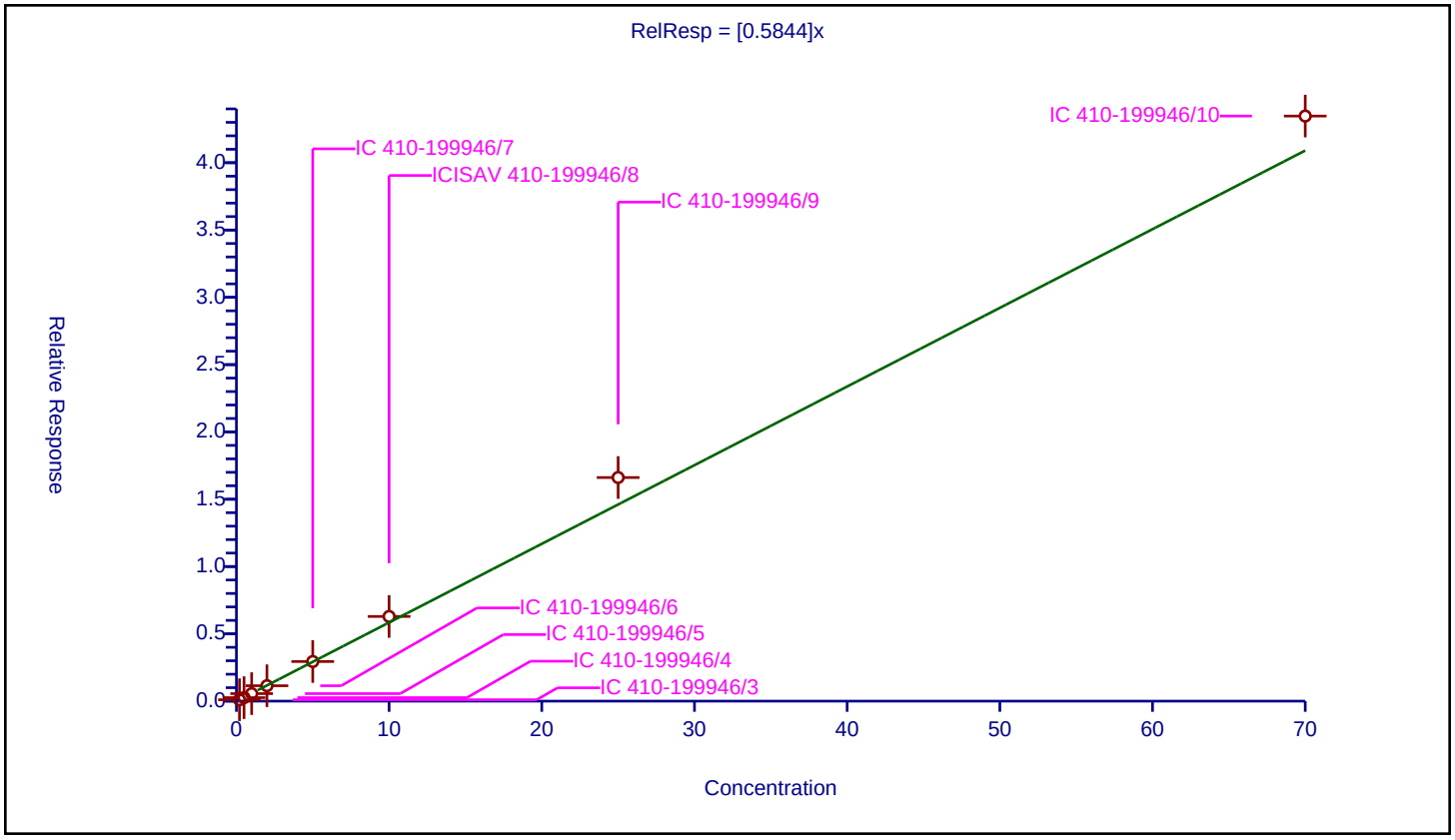
Curve Coefficients

Intercept:	0
Slope:	0.5844

Error Coefficients

Standard Error:	2860000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.103668	10.0	1380273.0	0.518339	Y
2	IC 410-199946/4	0.5	0.261037	10.0	1312804.0	0.522073	Y
3	IC 410-199946/5	1.0	0.559424	10.0	1346510.0	0.559424	Y
4	IC 410-199946/6	2.0	1.143814	10.0	1336196.0	0.571907	Y
5	IC 410-199946/7	5.0	2.942675	10.0	1382130.0	0.588535	Y
6	ICISAV 410-199946/8	10.0	6.290434	10.0	1404741.0	0.629043	Y
7	IC 410-199946/9	25.0	16.613149	10.0	1493703.0	0.664526	Y
8	IC 410-199946/10	70.0	43.467023	10.0	1626626.0	0.620957	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

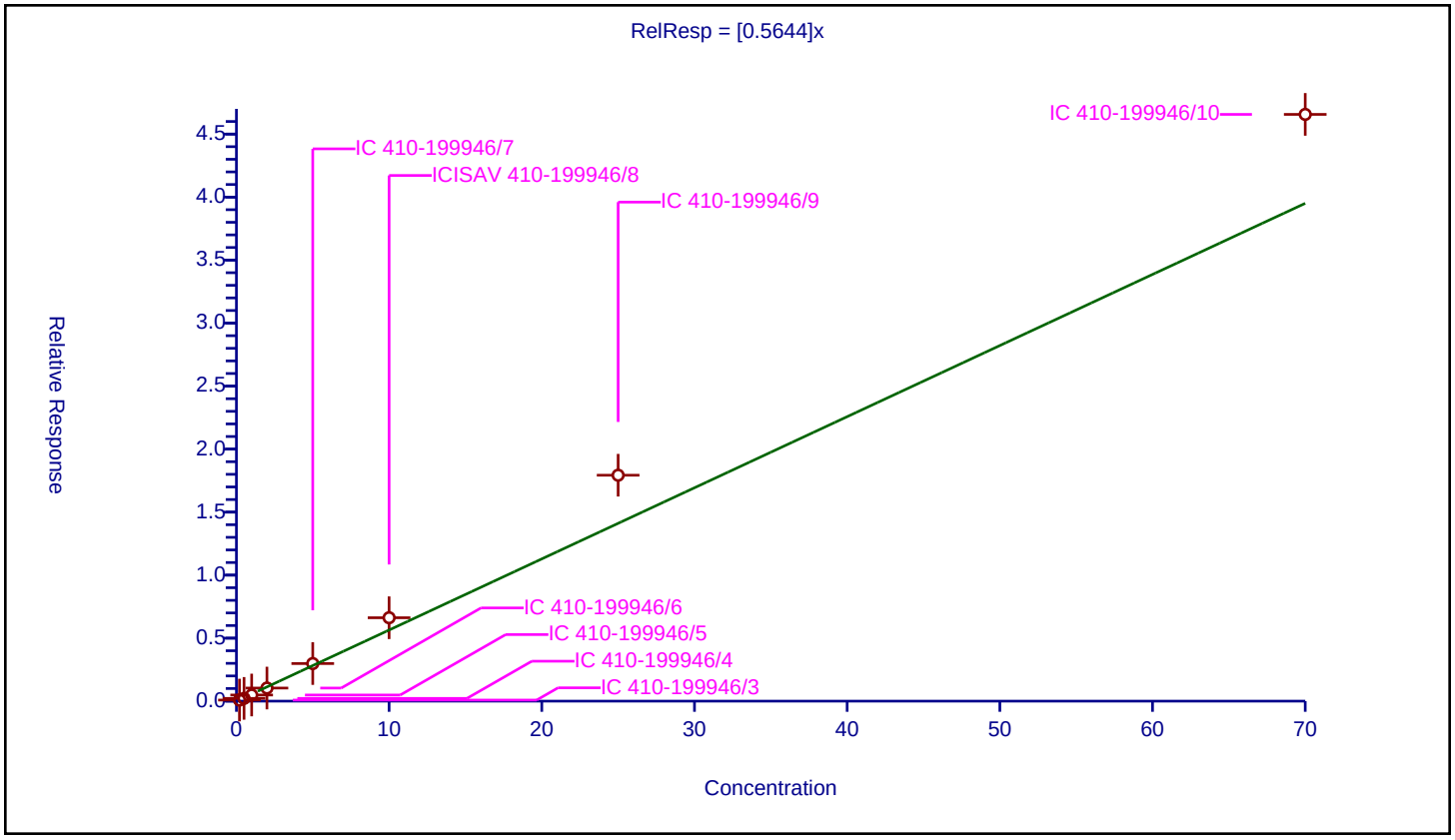
Curve Coefficients

Intercept:	0
Slope:	0.5644

Error Coefficients

Standard Error:	3060000
Relative Standard Error:	19.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.085896	10.0	1380273.0	0.42948	Y
2	IC 410-199946/4	0.5	0.219302	10.0	1312804.0	0.438603	Y
3	IC 410-199946/5	1.0	0.486918	10.0	1346510.0	0.486918	Y
4	IC 410-199946/6	2.0	1.038036	10.0	1336196.0	0.519018	Y
5	IC 410-199946/7	5.0	2.983388	10.0	1382130.0	0.596678	Y
6	ICISAV 410-199946/8	10.0	6.619277	10.0	1404741.0	0.661928	Y
7	IC 410-199946/9	25.0	17.928136	10.0	1493703.0	0.717125	Y
8	IC 410-199946/10	70.0	46.561514	10.0	1626626.0	0.665164	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

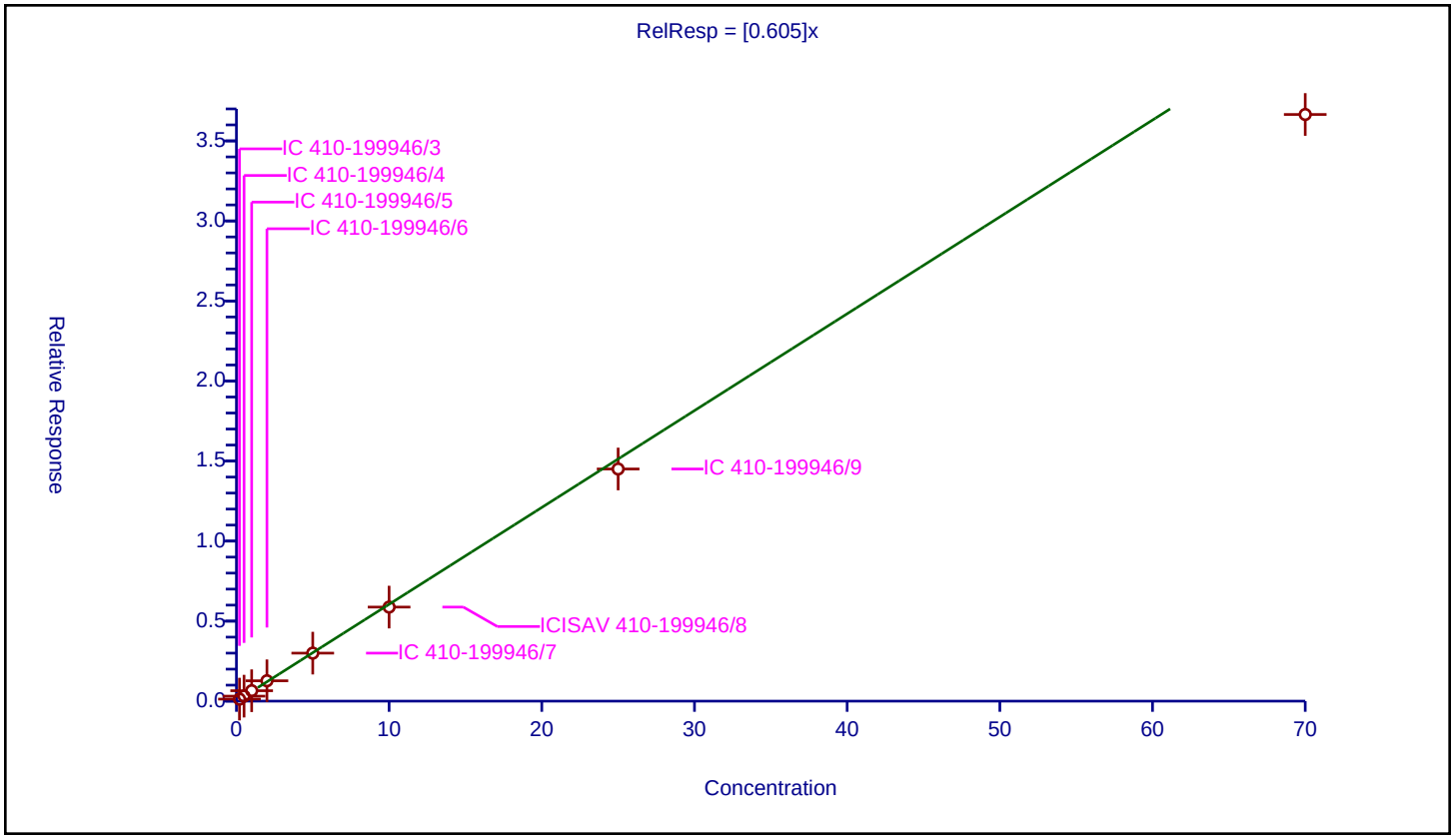
Curve Coefficients

Intercept:	0
Slope:	0.605

Error Coefficients

Standard Error:	2420000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.127352	10.0	1380273.0	0.636758	Y
2	IC 410-199946/4	0.5	0.312293	10.0	1312804.0	0.624587	Y
3	IC 410-199946/5	1.0	0.651781	10.0	1346510.0	0.651781	Y
4	IC 410-199946/6	2.0	1.272134	10.0	1336196.0	0.636067	Y
5	IC 410-199946/7	5.0	2.998553	10.0	1382130.0	0.599711	Y
6	ICISAV 410-199946/8	10.0	5.876115	10.0	1404741.0	0.587612	Y
7	IC 410-199946/9	25.0	14.503814	10.0	1493703.0	0.580153	Y
8	IC 410-199946/10	70.0	36.650816	10.0	1626626.0	0.523583	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

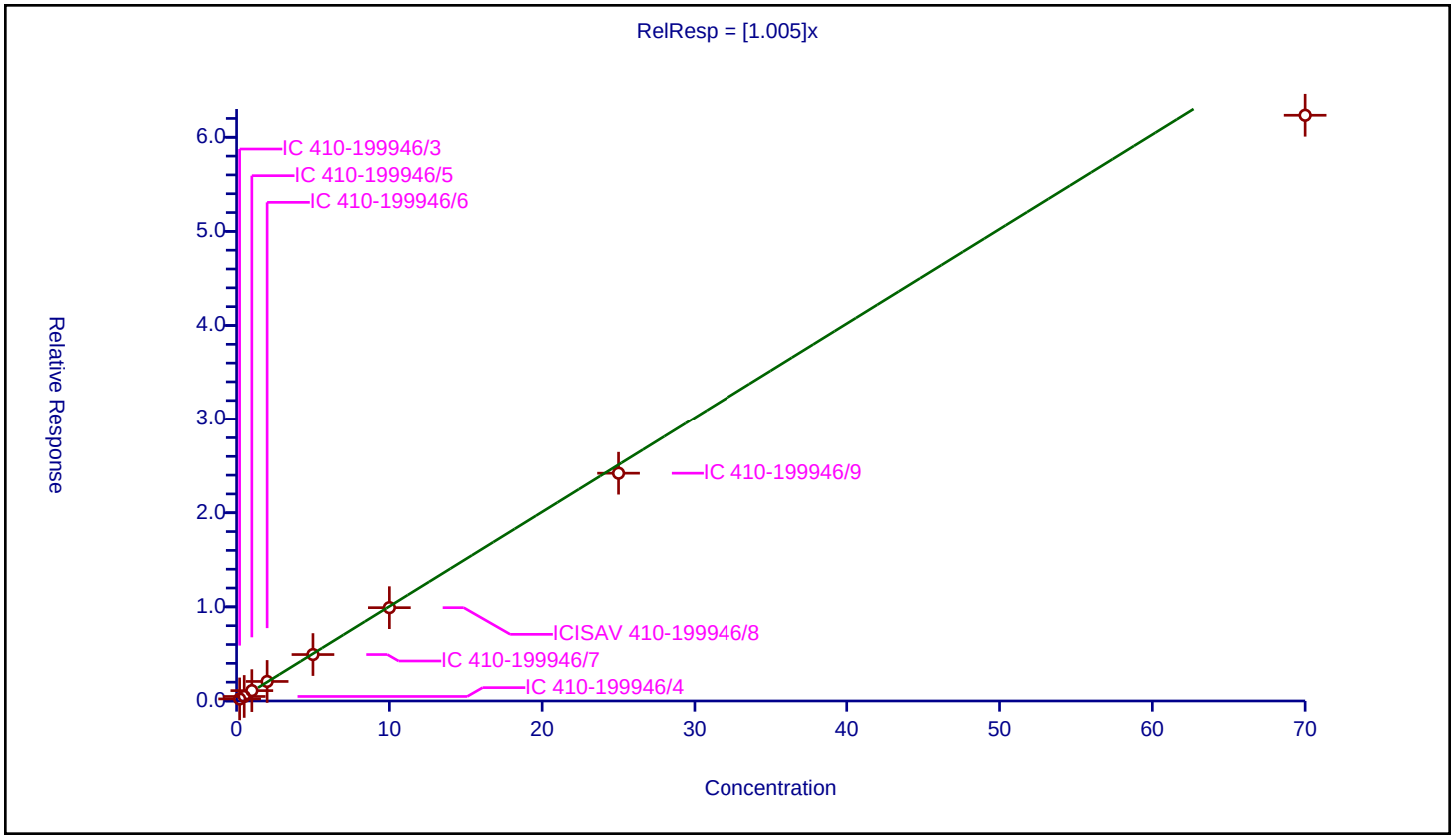
Curve Coefficients

Intercept:	0
Slope:	1.005

Error Coefficients

Standard Error:	4110000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.220471	10.0	1380273.0	1.102354	Y
2	IC 410-199946/4	0.5	0.480277	10.0	1312804.0	0.960555	Y
3	IC 410-199946/5	1.0	1.100497	10.0	1346510.0	1.100497	Y
4	IC 410-199946/6	2.0	2.075145	10.0	1336196.0	1.037572	Y
5	IC 410-199946/7	5.0	4.93489	10.0	1382130.0	0.986978	Y
6	ICISAV 410-199946/8	10.0	9.914931	10.0	1404741.0	0.991493	Y
7	IC 410-199946/9	25.0	24.205207	10.0	1493703.0	0.968208	Y
8	IC 410-199946/10	70.0	62.337981	10.0	1626626.0	0.890543	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

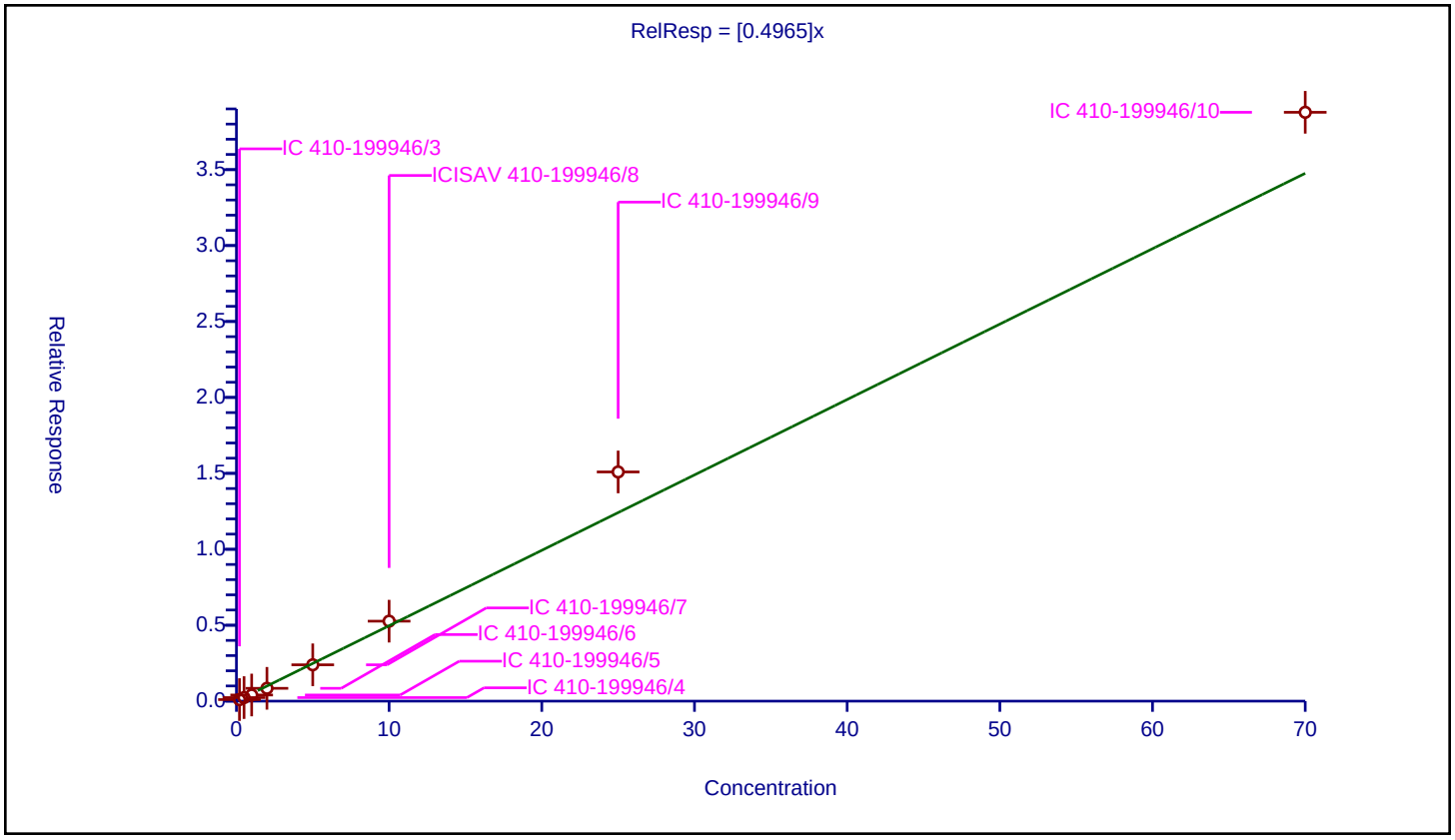
Curve Coefficients

Intercept:	0
Slope:	0.4965

Error Coefficients

Standard Error:	2550000
Relative Standard Error:	13.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.103277	10.0	1380273.0	0.516383	Y
2	IC 410-199946/4	0.5	0.233325	10.0	1312804.0	0.46665	Y
3	IC 410-199946/5	1.0	0.403874	10.0	1346510.0	0.403874	Y
4	IC 410-199946/6	2.0	0.844794	10.0	1336196.0	0.422397	Y
5	IC 410-199946/7	5.0	2.393458	10.0	1382130.0	0.478692	Y
6	ICISAV 410-199946/8	10.0	5.266693	10.0	1404741.0	0.526669	Y
7	IC 410-199946/9	25.0	15.092806	10.0	1493703.0	0.603712	Y
8	IC 410-199946/10	70.0	38.775355	10.0	1626626.0	0.553934	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

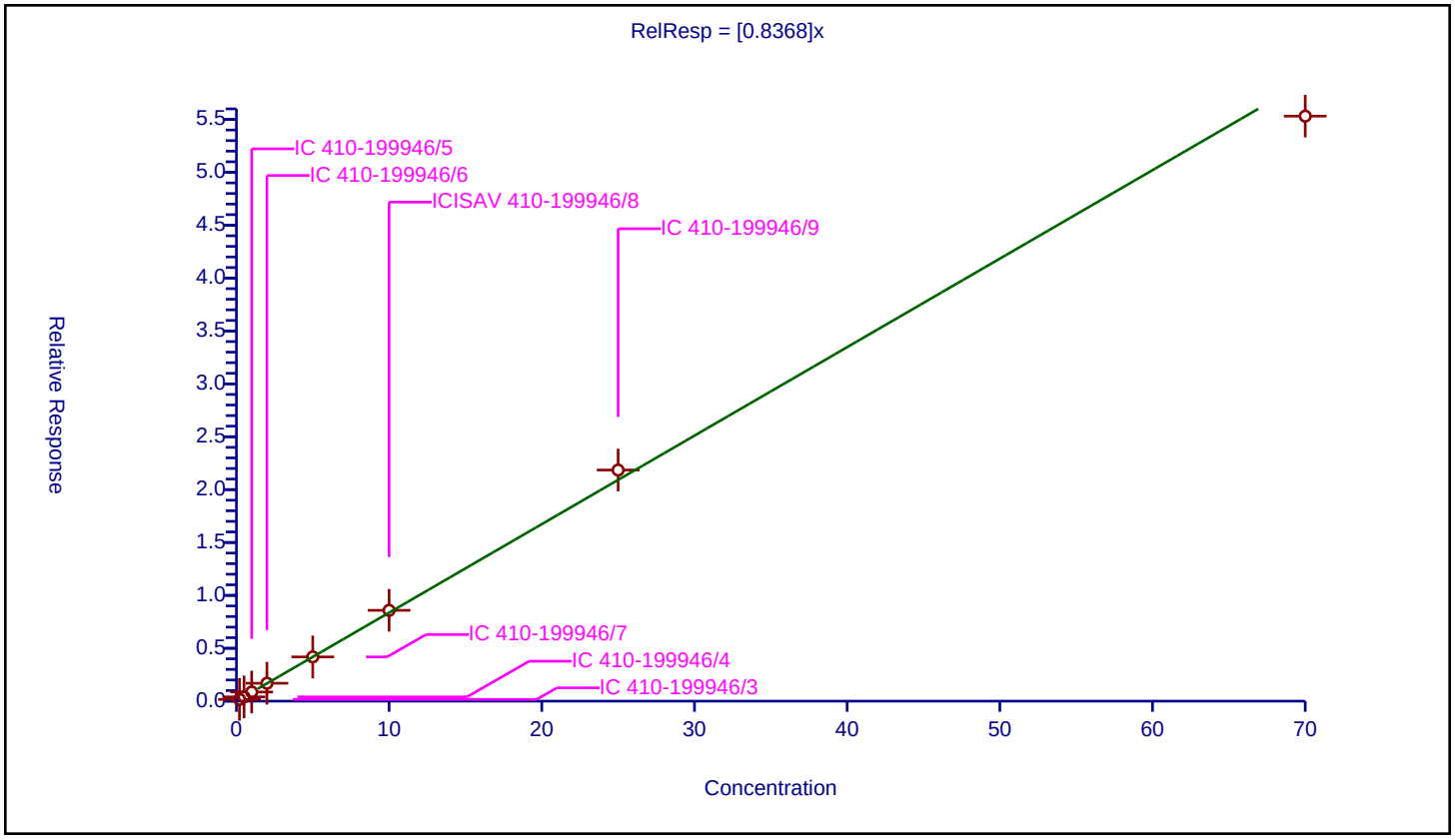
Curve Coefficients

Intercept:	0
Slope:	0.8368

Error Coefficients

Standard Error:	3650000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.164772	10.0	1380273.0	0.823859	Y
2	IC 410-199946/4	0.5	0.402071	10.0	1312804.0	0.804141	Y
3	IC 410-199946/5	1.0	0.86139	10.0	1346510.0	0.86139	Y
4	IC 410-199946/6	2.0	1.691017	10.0	1336196.0	0.845508	Y
5	IC 410-199946/7	5.0	4.182993	10.0	1382130.0	0.836599	Y
6	ICISAV 410-199946/8	10.0	8.586131	10.0	1404741.0	0.858613	Y
7	IC 410-199946/9	25.0	21.85004	10.0	1493703.0	0.874002	Y
8	IC 410-199946/10	70.0	55.316219	10.0	1626626.0	0.790232	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

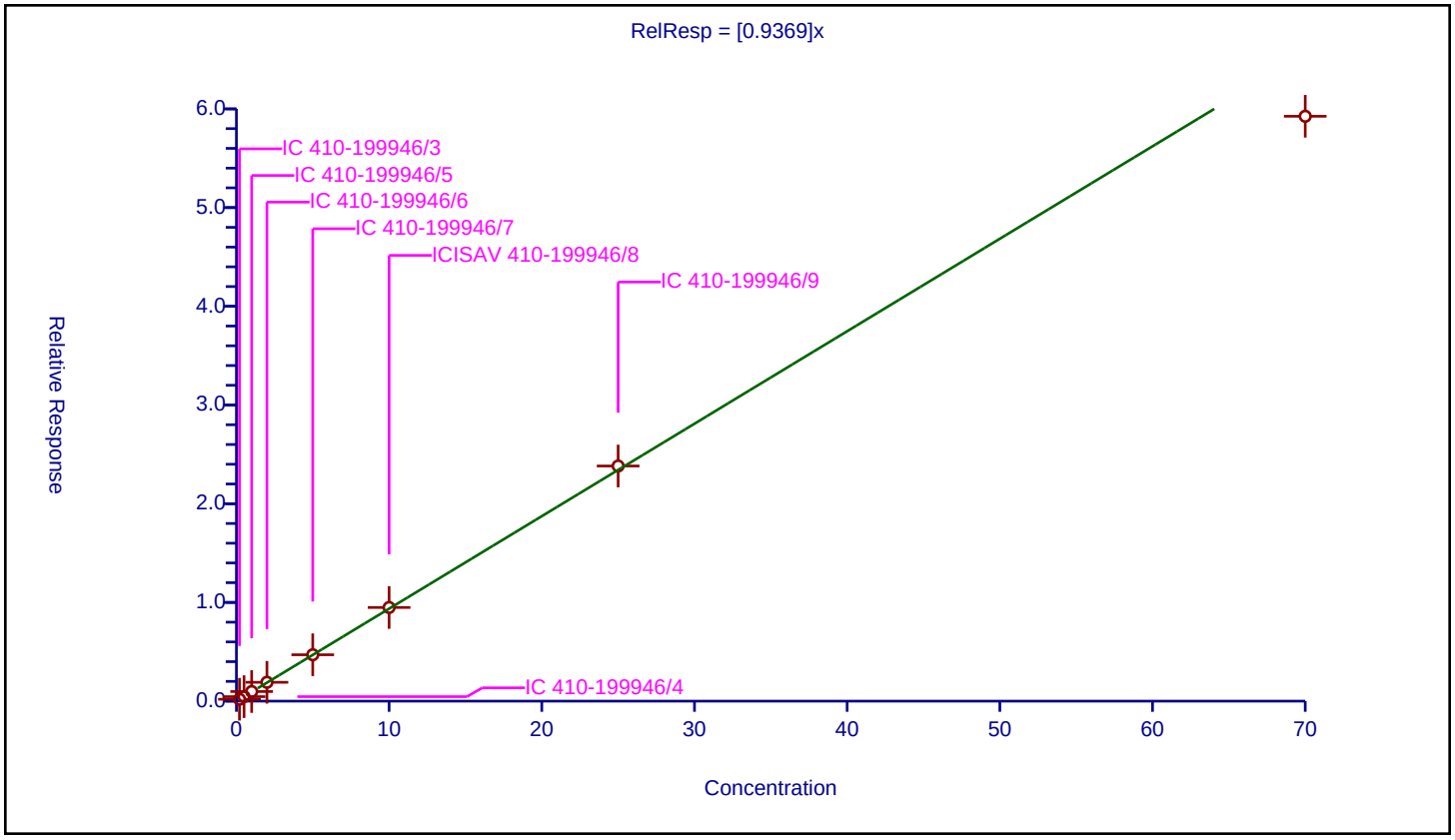
Curve Coefficients

Intercept:	0
Slope:	0.9369

Error Coefficients

Standard Error:	3920000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.194164	10.0	1380273.0	0.970822	Y
2	IC 410-199946/4	0.5	0.454112	10.0	1312804.0	0.908224	Y
3	IC 410-199946/5	1.0	0.973071	10.0	1346510.0	0.973071	Y
4	IC 410-199946/6	2.0	1.909263	10.0	1336196.0	0.954632	Y
5	IC 410-199946/7	5.0	4.699768	10.0	1382130.0	0.939954	Y
6	ICISAV 410-199946/8	10.0	9.48824	10.0	1404741.0	0.948824	Y
7	IC 410-199946/9	25.0	23.820699	10.0	1493703.0	0.952828	Y
8	IC 410-199946/10	70.0	59.252231	10.0	1626626.0	0.84646	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

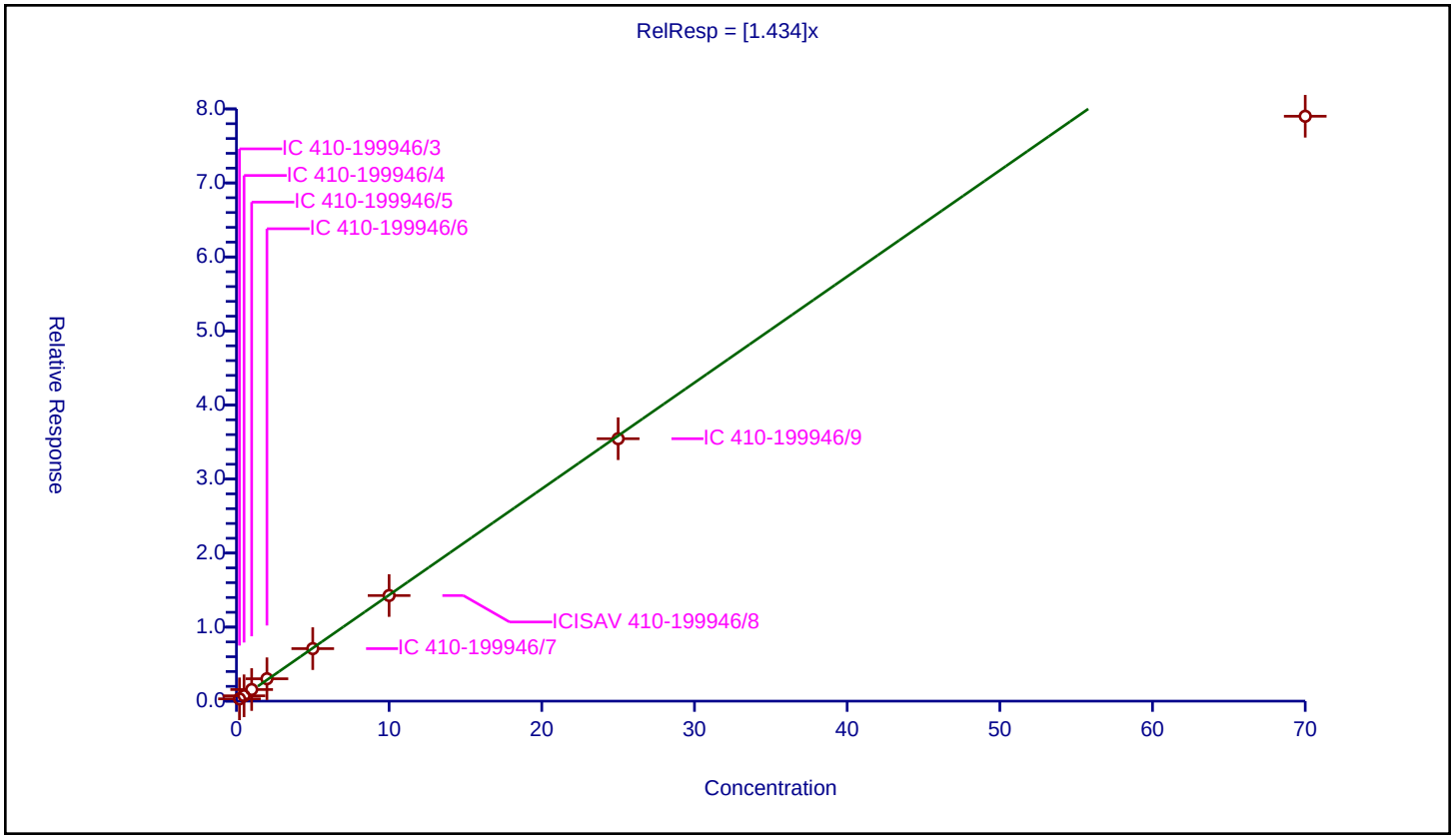
Curve Coefficients

Intercept:	0
Slope:	1.434

Error Coefficients

Standard Error:	5320000
Relative Standard Error:	9.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.310381	10.0	1380273.0	1.551903	Y
2	IC 410-199946/4	0.5	0.722956	10.0	1312804.0	1.445913	Y
3	IC 410-199946/5	1.0	1.568217	10.0	1346510.0	1.568217	Y
4	IC 410-199946/6	2.0	3.025409	10.0	1336196.0	1.512705	Y
5	IC 410-199946/7	5.0	7.094318	10.0	1382130.0	1.418864	Y
6	ICISAV 410-199946/8	10.0	14.268175	10.0	1404741.0	1.426817	Y
7	IC 410-199946/9	25.0	35.448653	10.0	1493703.0	1.417946	Y
8	IC 410-199946/10	70.0	79.006354	10.0	1626626.0	1.128662	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

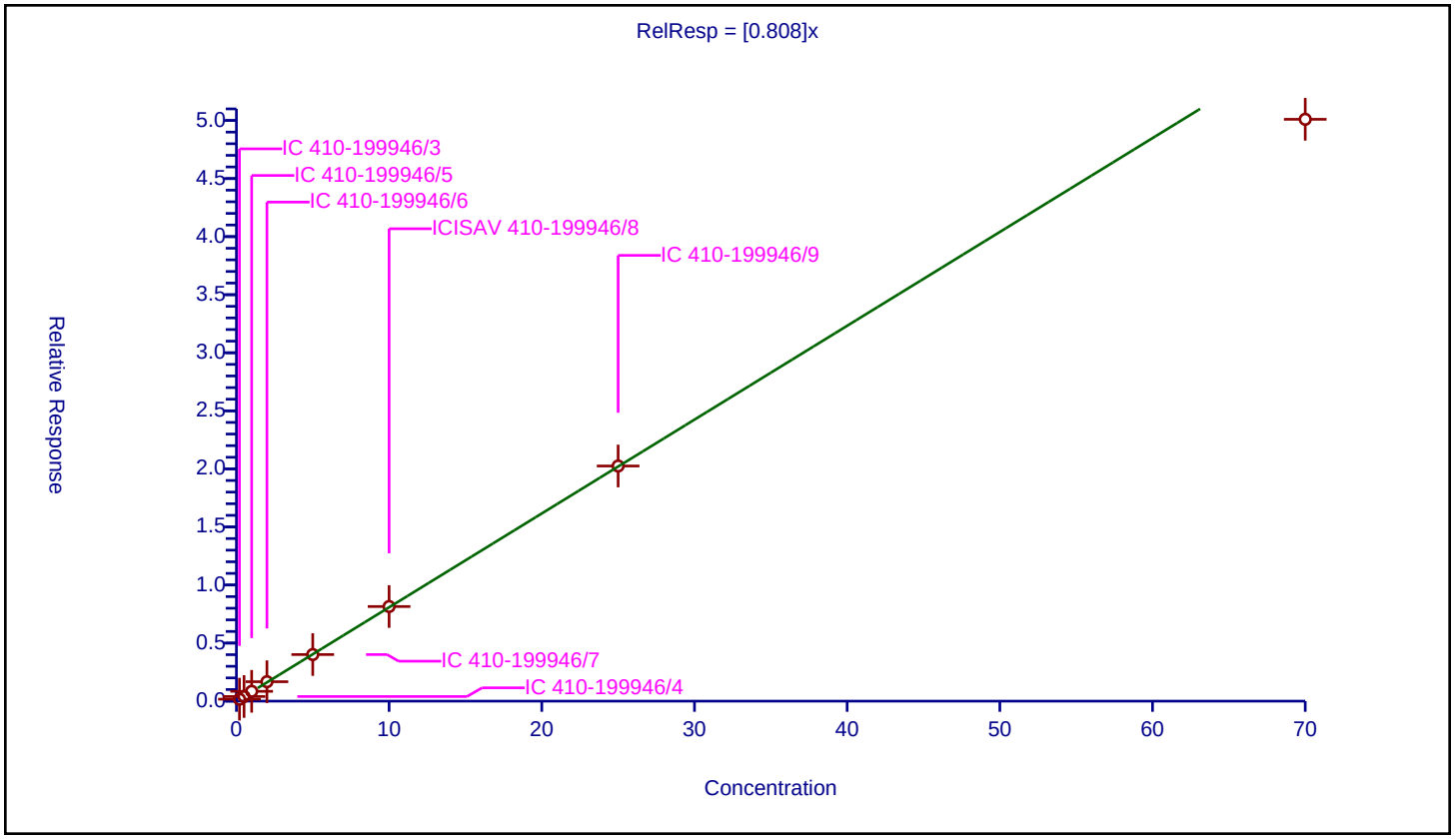
Curve Coefficients

Intercept:	0
Slope:	0.808

Error Coefficients

Standard Error:	3320000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.168517	10.0	1380273.0	0.842587	Y
2	IC 410-199946/4	0.5	0.398171	10.0	1312804.0	0.796341	Y
3	IC 410-199946/5	1.0	0.846269	10.0	1346510.0	0.846269	Y
4	IC 410-199946/6	2.0	1.672532	10.0	1336196.0	0.836266	Y
5	IC 410-199946/7	5.0	4.012351	10.0	1382130.0	0.80247	Y
6	ICISAV 410-199946/8	10.0	8.147445	10.0	1404741.0	0.814744	Y
7	IC 410-199946/9	25.0	20.248035	10.0	1493703.0	0.809921	Y
8	IC 410-199946/10	70.0	50.103035	10.0	1626626.0	0.715758	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

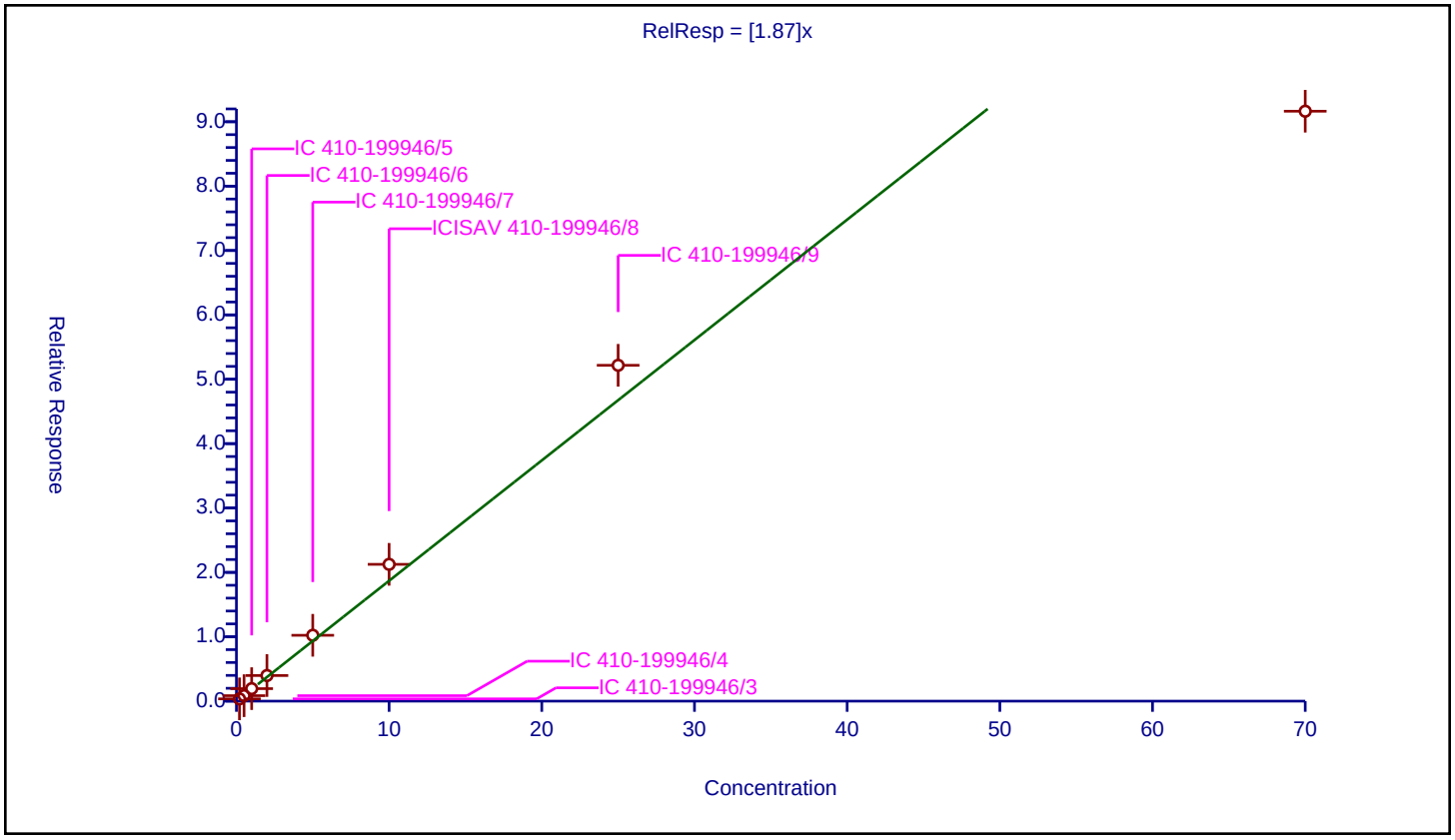
Curve Coefficients

Intercept:	0
Slope:	1.87

Error Coefficients

Standard Error:	6480000
Relative Standard Error:	14.6
Correlation Coefficient:	0.974
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.352336	10.0	1380273.0	1.76168	Y
2	IC 410-199946/4	0.5	0.848733	10.0	1312804.0	1.697466	Y
3	IC 410-199946/5	1.0	1.942459	10.0	1346510.0	1.942459	Y
4	IC 410-199946/6	2.0	3.979356	10.0	1336196.0	1.989678	Y
5	IC 410-199946/7	5.0	10.23068	10.0	1382130.0	2.046136	Y
6	ICISAV 410-199946/8	10.0	21.251113	10.0	1404741.0	2.125111	Y
7	IC 410-199946/9	25.0	52.169267	10.0	1493703.0	2.086771	Y
8	IC 410-199946/10	70.0	91.640832	10.0	1626626.0	1.309155	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

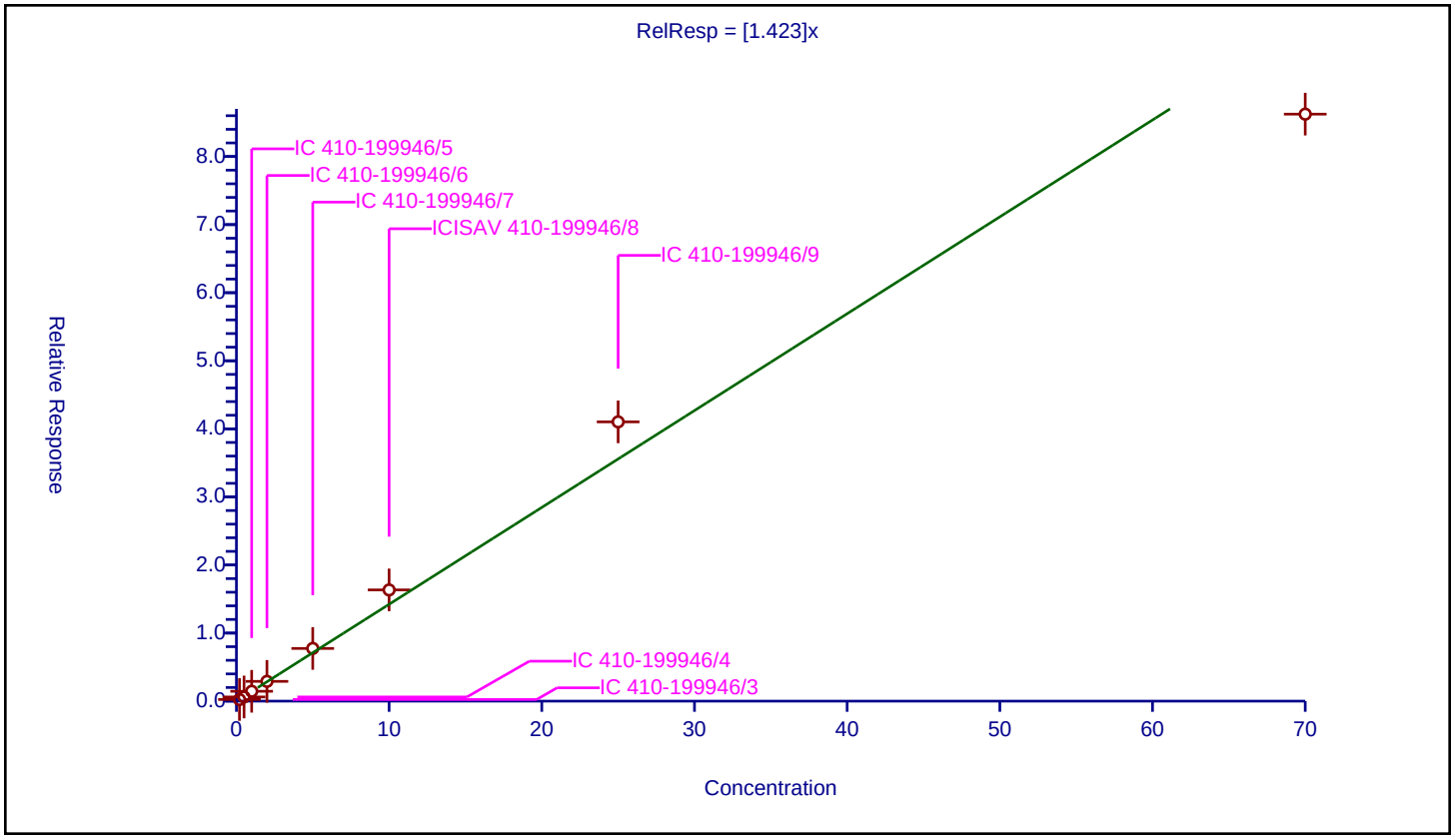
Curve Coefficients

Intercept:	0
Slope:	1.423

Error Coefficients

Standard Error:	5870000
Relative Standard Error:	12.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.240894	10.0	1380273.0	1.204472	Y
2	IC 410-199946/4	0.5	0.610921	10.0	1312804.0	1.221843	Y
3	IC 410-199946/5	1.0	1.449265	10.0	1346510.0	1.449265	Y
4	IC 410-199946/6	2.0	2.9039	10.0	1336196.0	1.45195	Y
5	IC 410-199946/7	5.0	7.740835	10.0	1382130.0	1.548167	Y
6	ICISAV 410-199946/8	10.0	16.338528	10.0	1404741.0	1.633853	Y
7	IC 410-199946/9	25.0	41.025699	10.0	1493703.0	1.641028	Y
8	IC 410-199946/10	70.0	86.22858	10.0	1626626.0	1.231837	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

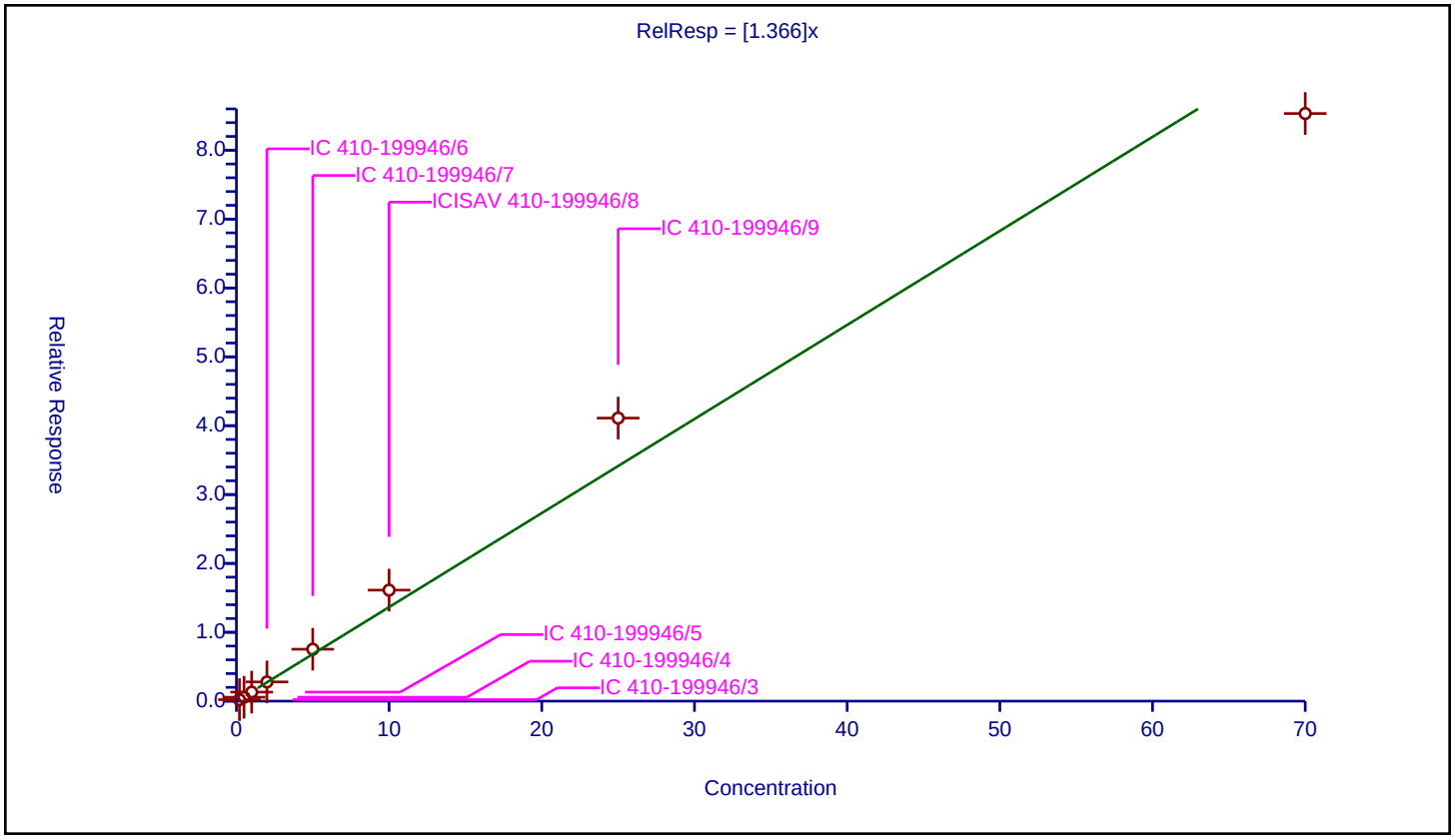
Curve Coefficients

Intercept:	0
Slope:	1.366

Error Coefficients

Standard Error:	5820000
Relative Standard Error:	15.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.219007	10.0	1380273.0	1.095037	Y
2	IC 410-199946/4	0.5	0.57039	10.0	1312804.0	1.14078	Y
3	IC 410-199946/5	1.0	1.311412	10.0	1346510.0	1.311412	Y
4	IC 410-199946/6	2.0	2.789261	10.0	1336196.0	1.394631	Y
5	IC 410-199946/7	5.0	7.538784	10.0	1382130.0	1.507757	Y
6	ICISAV 410-199946/8	10.0	16.119868	10.0	1404741.0	1.611987	Y
7	IC 410-199946/9	25.0	41.103292	10.0	1493703.0	1.644132	Y
8	IC 410-199946/10	70.0	85.325988	10.0	1626626.0	1.218943	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

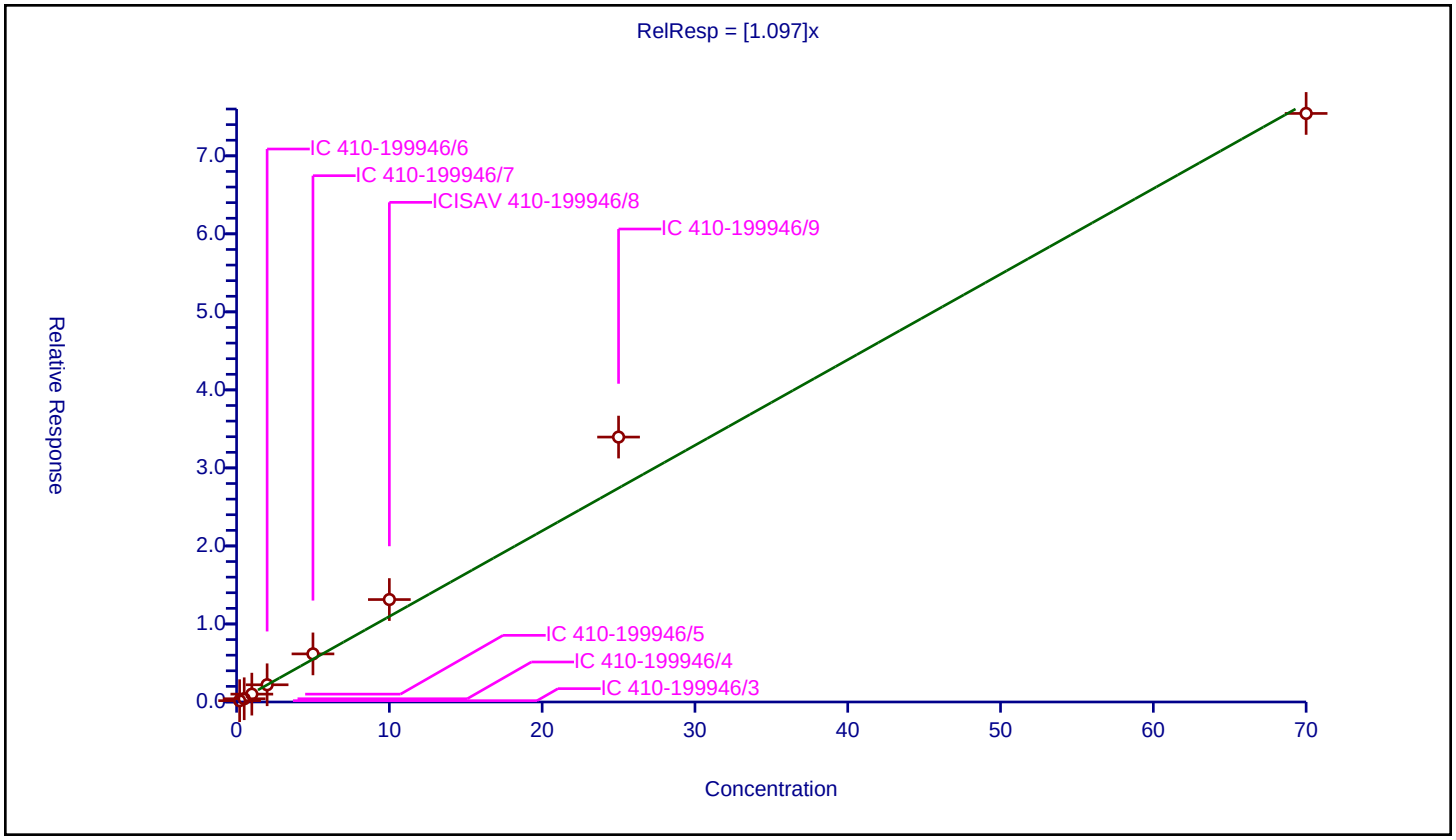
Curve Coefficients

Intercept:	0
Slope:	1.097

Error Coefficients

Standard Error:	5080000
Relative Standard Error:	18.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.16938	10.0	1380273.0	0.846898	Y
2	IC 410-199946/4	0.5	0.415965	10.0	1312804.0	0.831929	Y
3	IC 410-199946/5	1.0	1.008147	10.0	1346510.0	1.008147	Y
4	IC 410-199946/6	2.0	2.20758	10.0	1336196.0	1.10379	Y
5	IC 410-199946/7	5.0	6.164123	10.0	1382130.0	1.232825	Y
6	ICISAV 410-199946/8	10.0	13.131139	10.0	1404741.0	1.313114	Y
7	IC 410-199946/9	25.0	33.953088	10.0	1493703.0	1.358124	Y
8	IC 410-199946/10	70.0	75.43246	10.0	1626626.0	1.077607	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

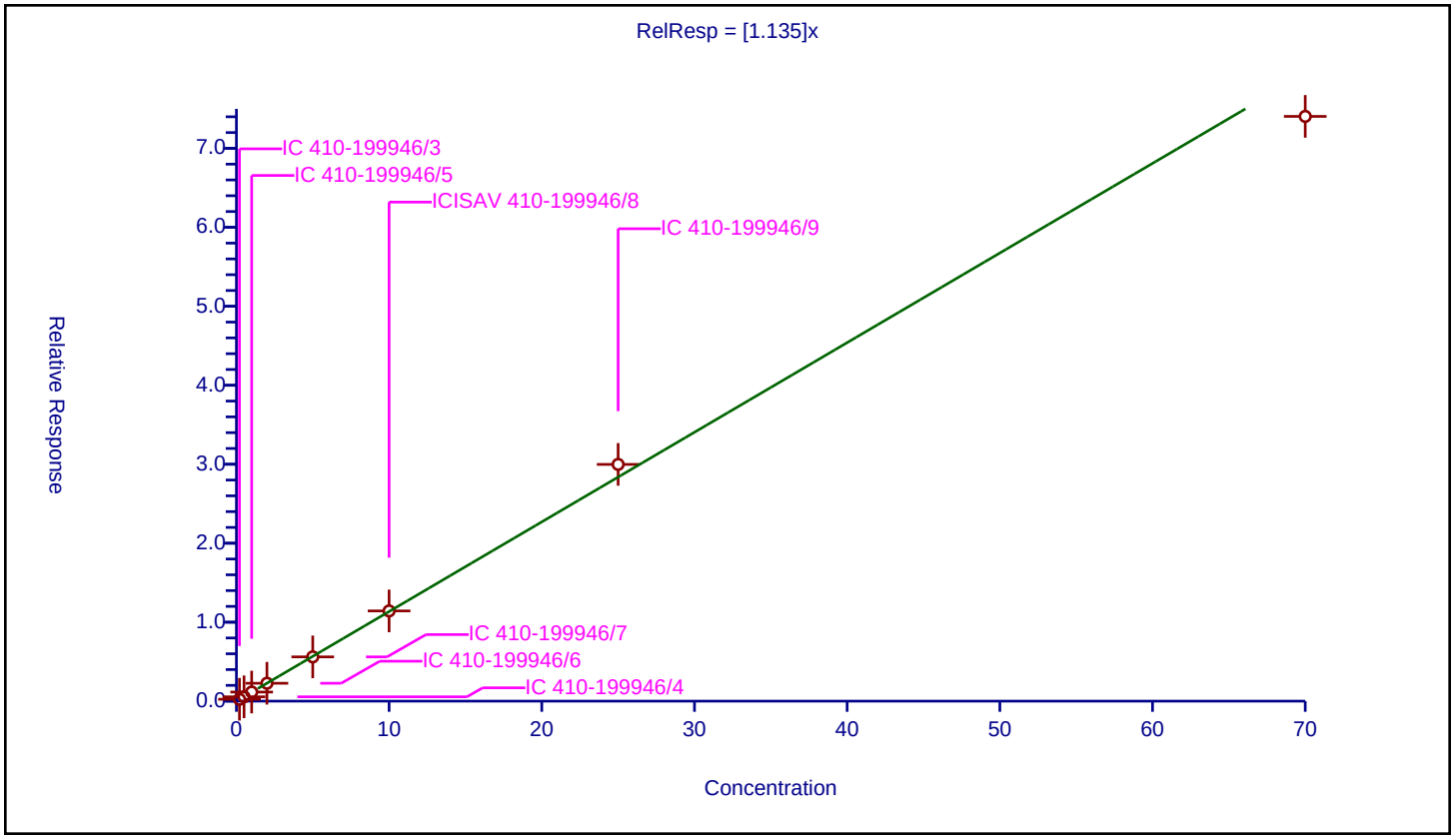
Curve Coefficients

Intercept:	0
Slope:	1.135

Error Coefficients

Standard Error:	4910000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.236192	10.0	1380273.0	1.180962	Y
2	IC 410-199946/4	0.5	0.547782	10.0	1312804.0	1.095563	Y
3	IC 410-199946/5	1.0	1.150693	10.0	1346510.0	1.150693	Y
4	IC 410-199946/6	2.0	2.264114	10.0	1336196.0	1.132057	Y
5	IC 410-199946/7	5.0	5.604936	10.0	1382130.0	1.120987	Y
6	ICISAV 410-199946/8	10.0	11.425224	10.0	1404741.0	1.142522	Y
7	IC 410-199946/9	25.0	29.980873	10.0	1493703.0	1.199235	Y
8	IC 410-199946/10	70.0	74.047937	10.0	1626626.0	1.057828	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

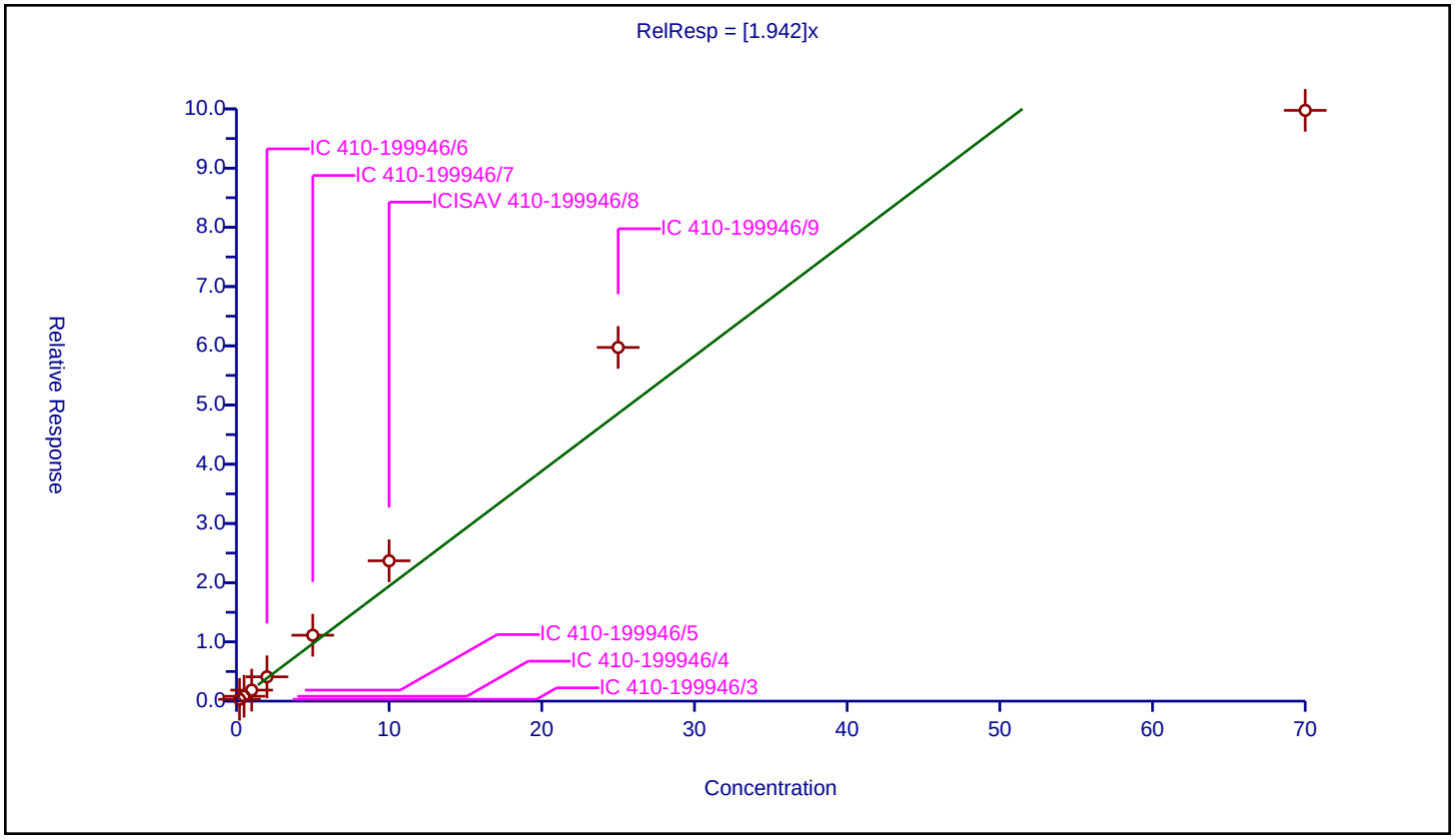
Curve Coefficients

Intercept:	0
Slope:	1.942

Error Coefficients

Standard Error:	7140000
Relative Standard Error:	19.3
Correlation Coefficient:	0.966
Coefficient of Determination (Adjusted):	0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.311757	10.0	1380273.0	1.558786	Y
2	IC 410-199946/4	0.5	0.826643	10.0	1312804.0	1.653286	Y
3	IC 410-199946/5	1.0	1.864442	10.0	1346510.0	1.864442	Y
4	IC 410-199946/6	2.0	4.10594	10.0	1336196.0	2.05297	Y
5	IC 410-199946/7	5.0	11.126356	10.0	1382130.0	2.225271	Y
6	ICISAV 410-199946/8	10.0	23.698874	10.0	1404741.0	2.369887	Y
7	IC 410-199946/9	25.0	59.718271	10.0	1493703.0	2.388731	Y
8	IC 410-199946/10	70.0	99.753471	10.0	1626626.0	1.42505	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

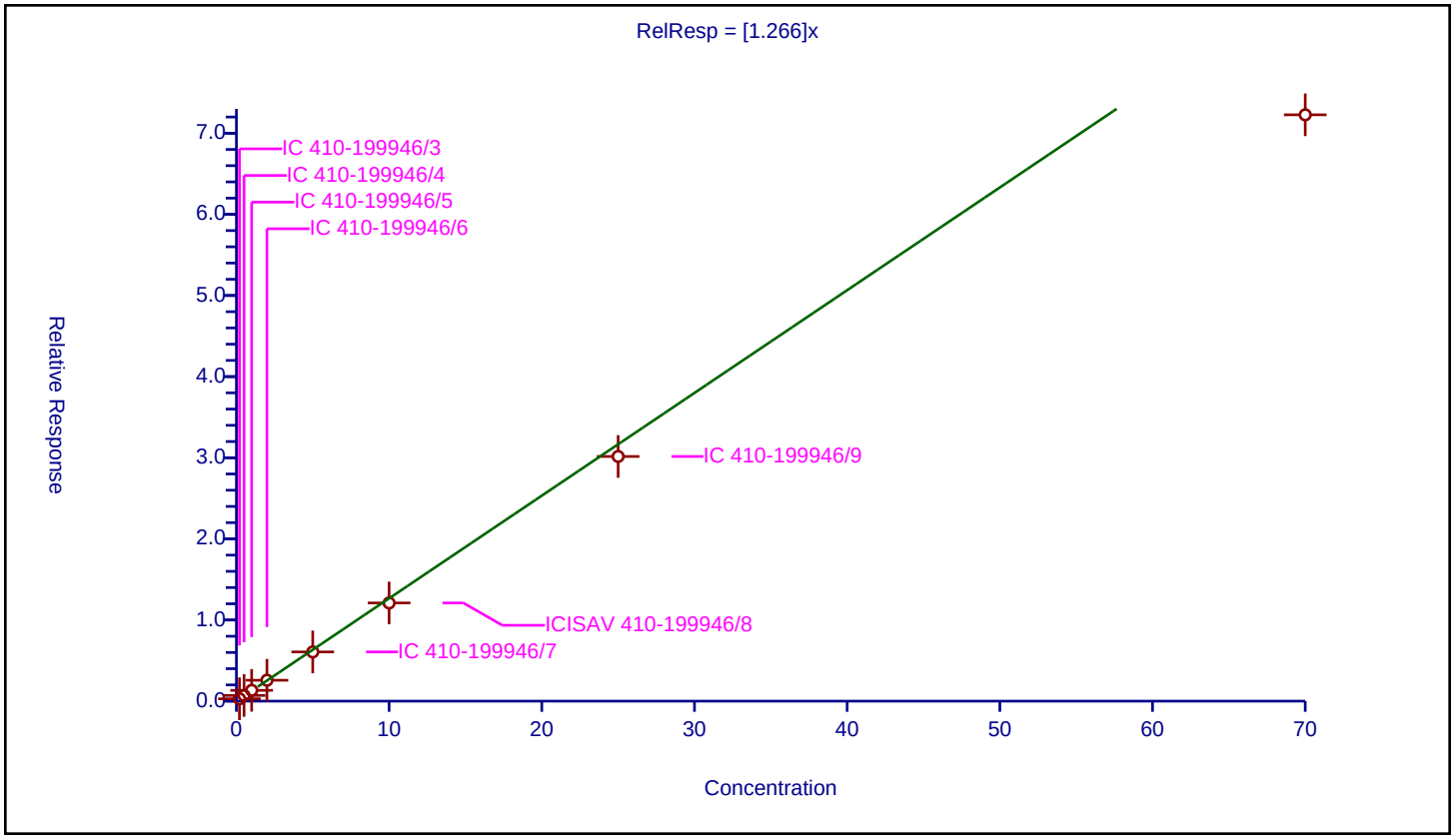
Curve Coefficients

Intercept:	0
Slope:	1.266

Error Coefficients

Standard Error:	4810000
Relative Standard Error:	10.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.289776	10.0	1380273.0	1.44888	Y
2	IC 410-199946/4	0.5	0.700379	10.0	1312804.0	1.400757	Y
3	IC 410-199946/5	1.0	1.330254	10.0	1346510.0	1.330254	Y
4	IC 410-199946/6	2.0	2.576119	10.0	1336196.0	1.28806	Y
5	IC 410-199946/7	5.0	6.066029	10.0	1382130.0	1.213206	Y
6	ICISAV 410-199946/8	10.0	12.101092	10.0	1404741.0	1.210109	Y
7	IC 410-199946/9	25.0	30.15872	10.0	1493703.0	1.206349	Y
8	IC 410-199946/10	70.0	72.272102	10.0	1626626.0	1.032459	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

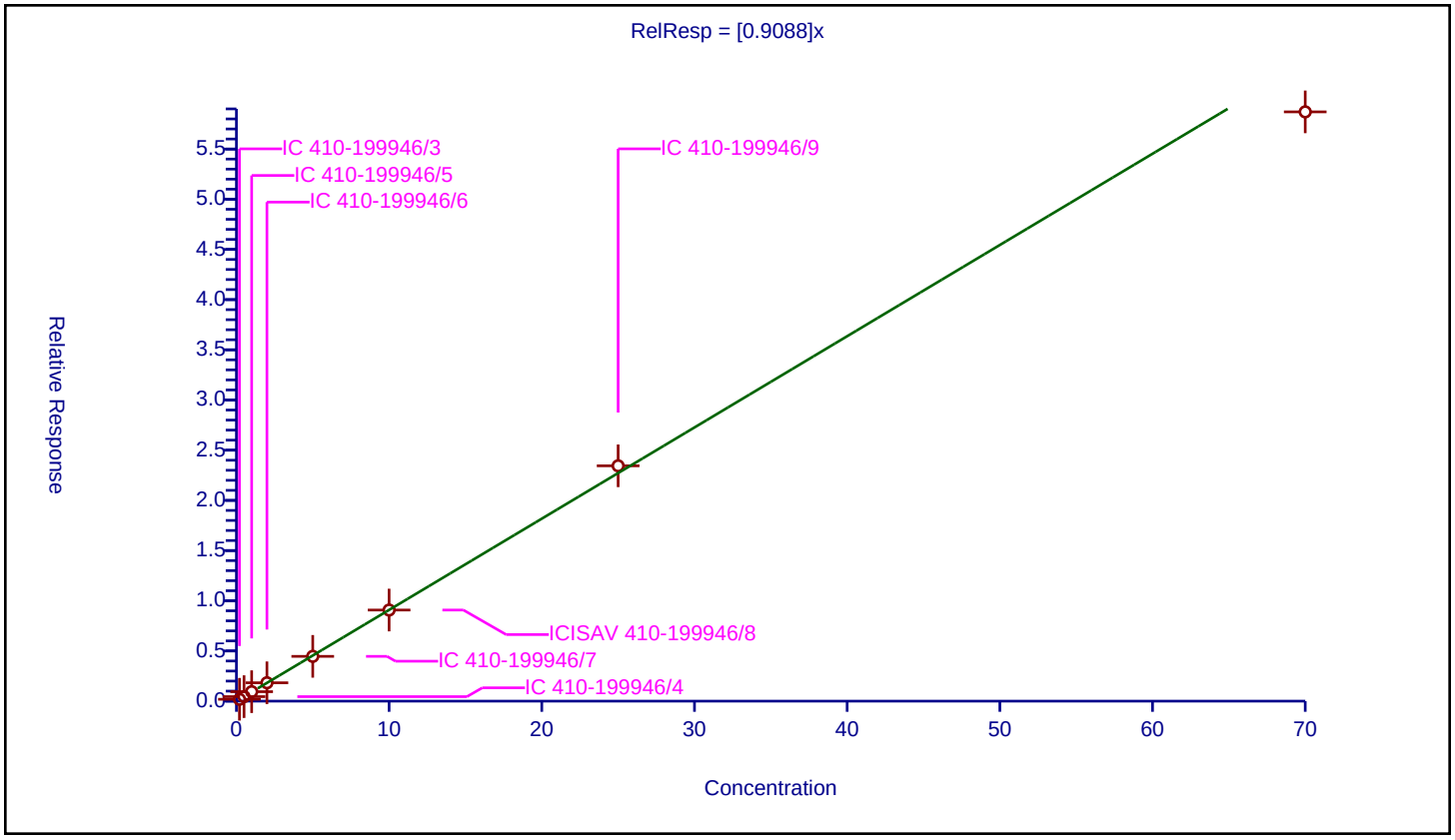
Curve Coefficients

Intercept:	0
Slope:	0.9088

Error Coefficients

Standard Error:	3880000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.187101	10.0	1380273.0	0.935503	Y
2	IC 410-199946/4	0.5	0.450745	10.0	1312804.0	0.90149	Y
3	IC 410-199946/5	1.0	0.942414	10.0	1346510.0	0.942414	Y
4	IC 410-199946/6	2.0	1.830375	10.0	1336196.0	0.915188	Y
5	IC 410-199946/7	5.0	4.460376	10.0	1382130.0	0.892075	Y
6	ICISAV 410-199946/8	10.0	9.075879	10.0	1404741.0	0.907588	Y
7	IC 410-199946/9	25.0	23.443871	10.0	1493703.0	0.937755	Y
8	IC 410-199946/10	70.0	58.701521	10.0	1626626.0	0.838593	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

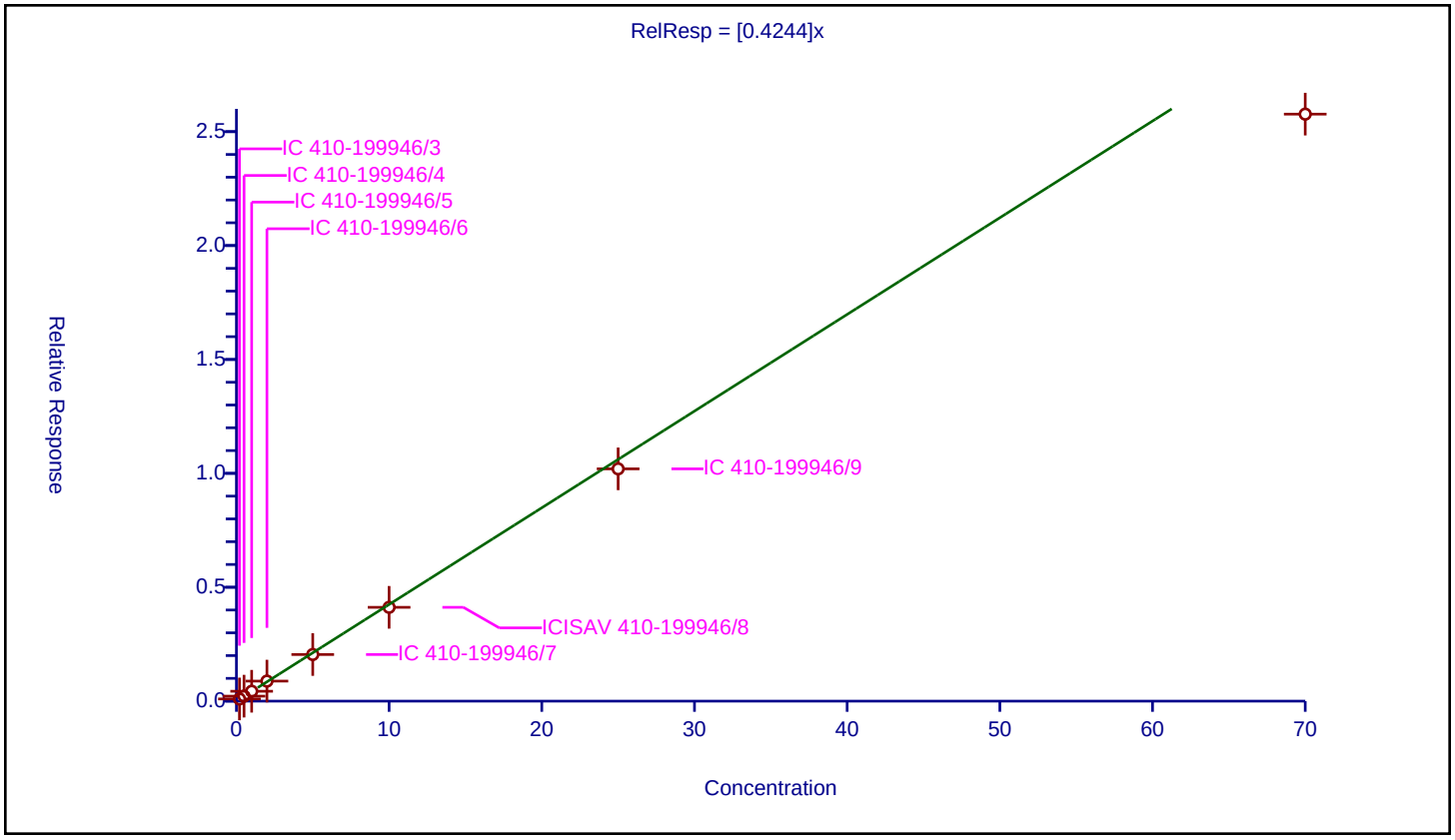
Curve Coefficients

Intercept:	0
Slope:	0.4244

Error Coefficients

Standard Error:	1700000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.09693	10.0	1380273.0	0.484651	Y
2	IC 410-199946/4	0.5	0.219736	10.0	1312804.0	0.439472	Y
3	IC 410-199946/5	1.0	0.434085	10.0	1346510.0	0.434085	Y
4	IC 410-199946/6	2.0	0.880125	10.0	1336196.0	0.440063	Y
5	IC 410-199946/7	5.0	2.046573	10.0	1382130.0	0.409315	Y
6	ICISAV 410-199946/8	10.0	4.118111	10.0	1404741.0	0.411811	Y
7	IC 410-199946/9	25.0	10.197128	10.0	1493703.0	0.407885	Y
8	IC 410-199946/10	70.0	25.770023	10.0	1626626.0	0.368143	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

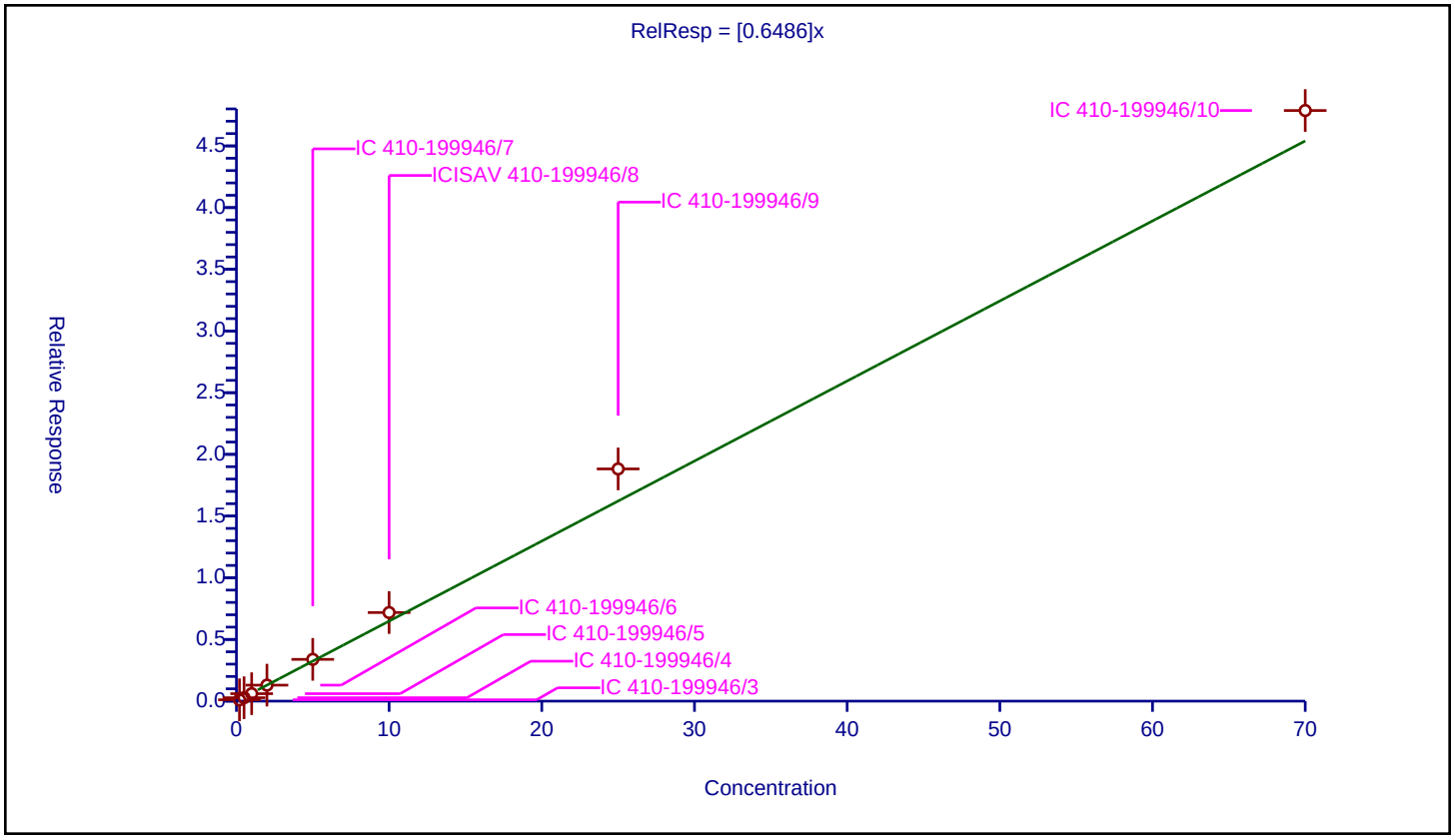
Curve Coefficients

Intercept:	0
Slope:	0.6486

Error Coefficients

Standard Error:	3160000
Relative Standard Error:	11.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.109667	10.0	1380273.0	0.548334	Y
2	IC 410-199946/4	0.5	0.277086	10.0	1312804.0	0.554173	Y
3	IC 410-199946/5	1.0	0.606137	10.0	1346510.0	0.606137	Y
4	IC 410-199946/6	2.0	1.29701	10.0	1336196.0	0.648505	Y
5	IC 410-199946/7	5.0	3.385904	10.0	1382130.0	0.677181	Y
6	ICISAV 410-199946/8	10.0	7.180256	10.0	1404741.0	0.718026	Y
7	IC 410-199946/9	25.0	18.819806	10.0	1493703.0	0.752792	Y
8	IC 410-199946/10	70.0	47.869314	10.0	1626626.0	0.683847	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

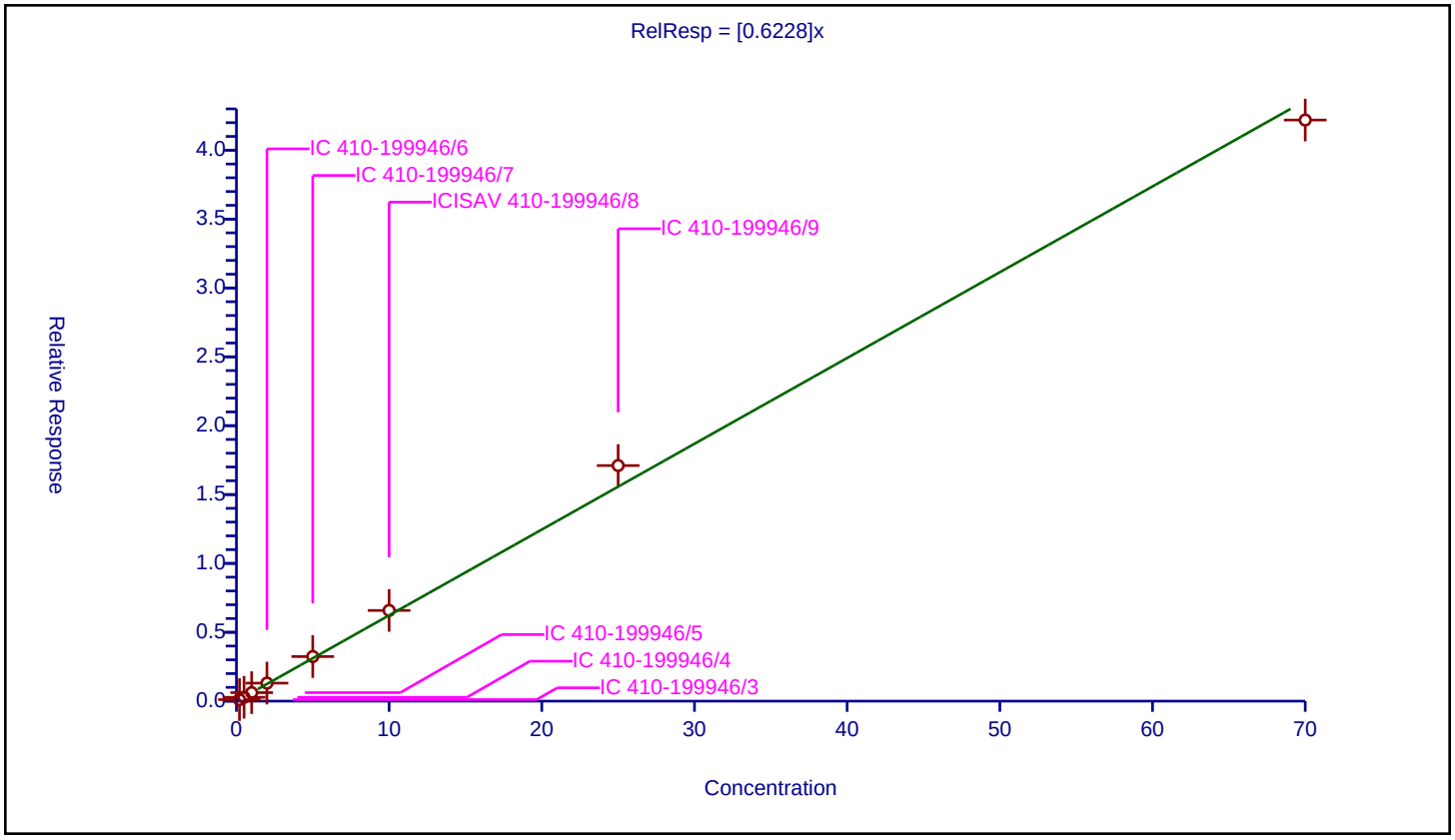
Curve Coefficients

Intercept:	0
Slope:	0.6228

Error Coefficients

Standard Error:	2800000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.111645	10.0	1380273.0	0.558223	Y
2	IC 410-199946/4	0.5	0.279981	10.0	1312804.0	0.559962	Y
3	IC 410-199946/5	1.0	0.617025	10.0	1346510.0	0.617025	Y
4	IC 410-199946/6	2.0	1.308955	10.0	1336196.0	0.654477	Y
5	IC 410-199946/7	5.0	3.236946	10.0	1382130.0	0.647389	Y
6	ICISAV 410-199946/8	10.0	6.586125	10.0	1404741.0	0.658613	Y
7	IC 410-199946/9	25.0	17.105663	10.0	1493703.0	0.684227	Y
8	IC 410-199946/10	70.0	42.192299	10.0	1626626.0	0.602747	Y



Calibration / 4-Ethyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

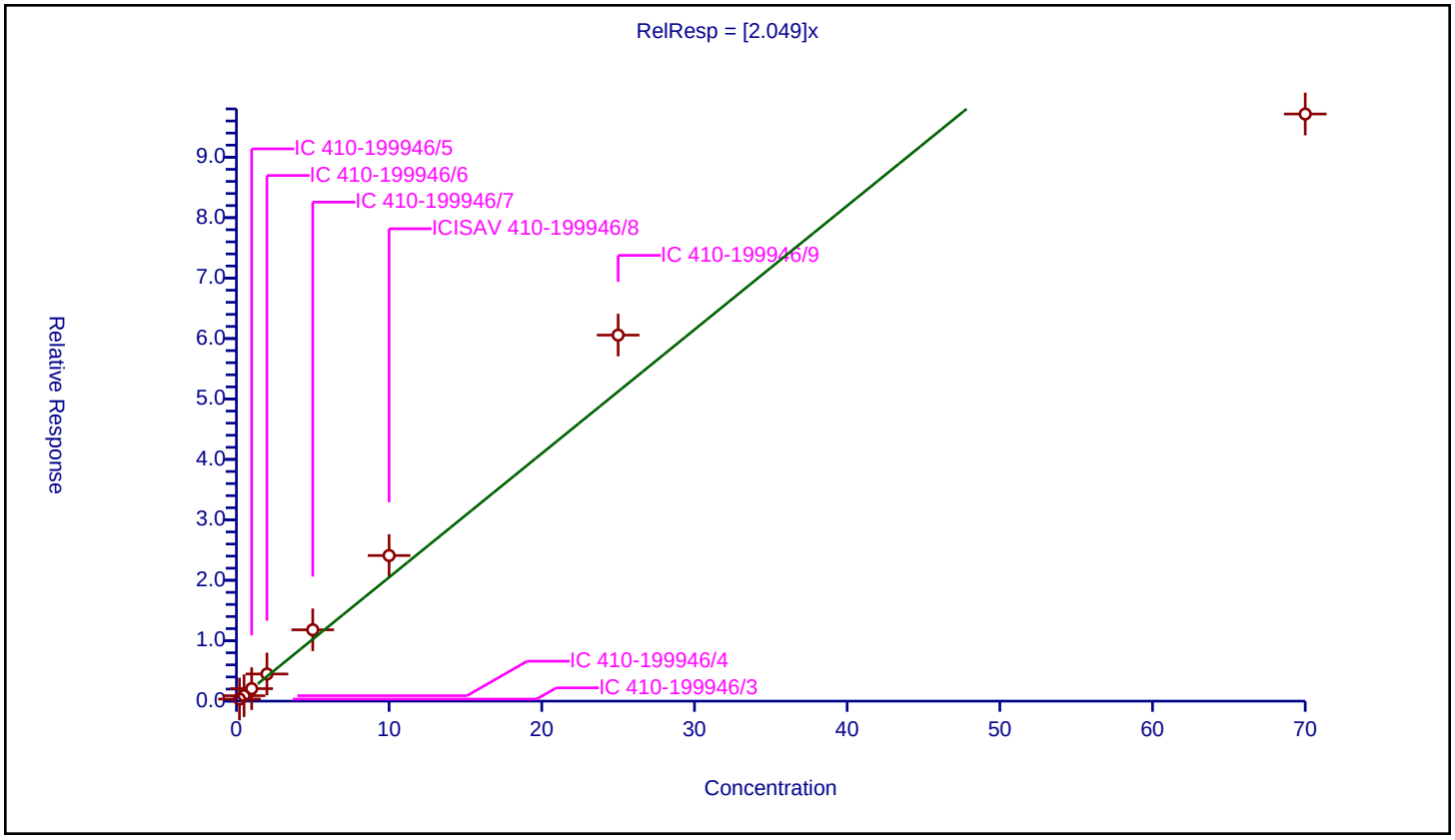
Curve Coefficients

Intercept:	0
Slope:	2.049

Error Coefficients

Standard Error:	7030000
Relative Standard Error:	18.7
Correlation Coefficient:	0.958
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.339983	10.0	1380273.0	1.699917	Y
2	IC 410-199946/4	0.5	0.900607	10.0	1312804.0	1.801213	Y
3	IC 410-199946/5	1.0	2.062844	10.0	1346510.0	2.062844	Y
4	IC 410-199946/6	2.0	4.494483	10.0	1336196.0	2.247241	Y
5	IC 410-199946/7	5.0	11.806538	10.0	1382130.0	2.361308	Y
6	ICISAV 410-199946/8	10.0	24.096677	10.0	1404741.0	2.409668	Y
7	IC 410-199946/9	25.0	60.571526	10.0	1493703.0	2.422861	Y
8	IC 410-199946/10	70.0	97.152056	10.0	1626626.0	1.387887	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

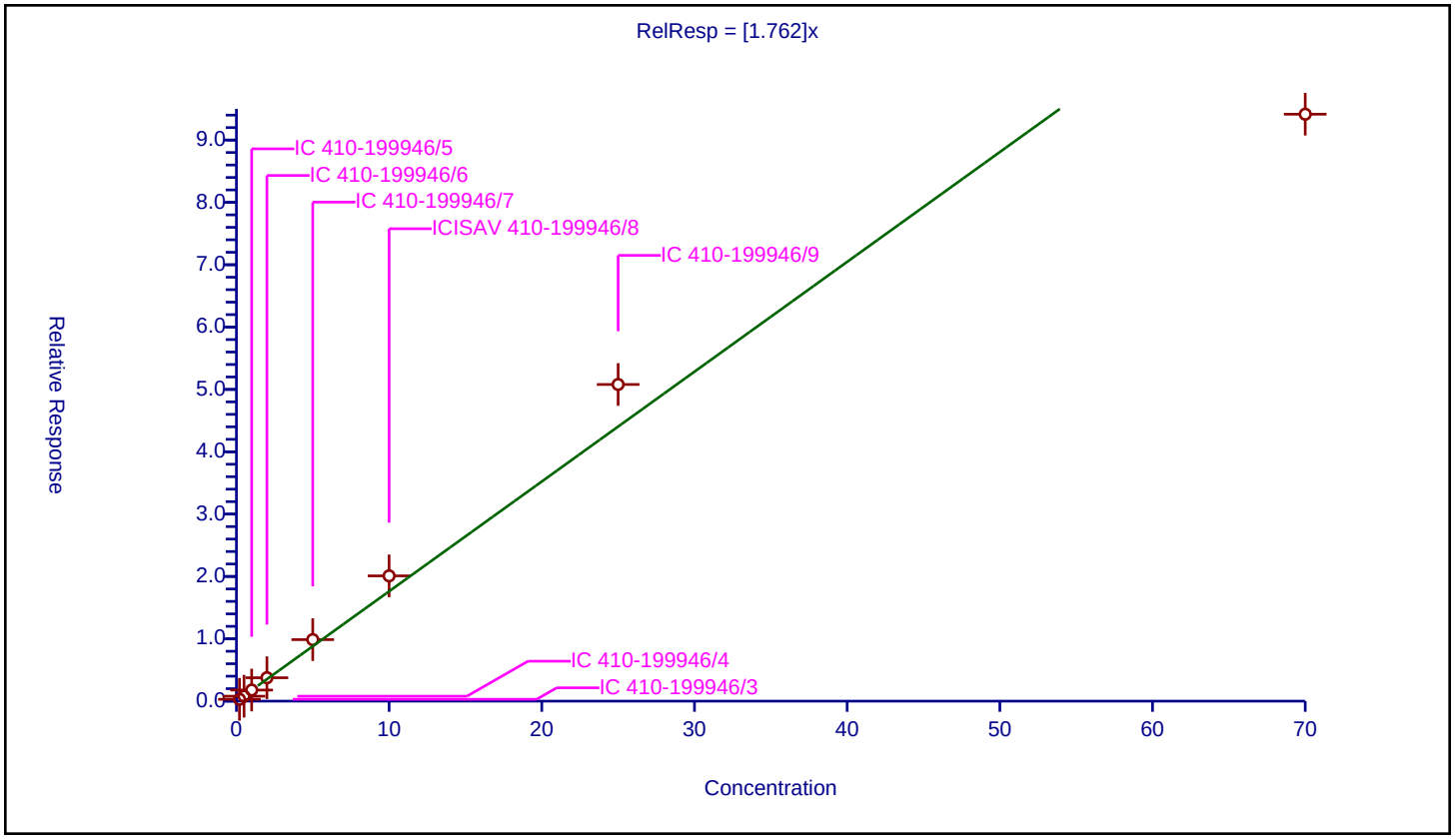
Curve Coefficients

Intercept:	0
Slope:	1.762

Error Coefficients

Standard Error:	6570000
Relative Standard Error:	14.7
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.29797	10.0	1380273.0	1.48985	Y
2	IC 410-199946/4	0.5	0.793287	10.0	1312804.0	1.586573	Y
3	IC 410-199946/5	1.0	1.779898	10.0	1346510.0	1.779898	Y
4	IC 410-199946/6	2.0	3.752997	10.0	1336196.0	1.876499	Y
5	IC 410-199946/7	5.0	9.866988	10.0	1382130.0	1.973398	Y
6	ICISAV 410-199946/8	10.0	20.09527	10.0	1404741.0	2.009527	Y
7	IC 410-199946/9	25.0	50.795299	10.0	1493703.0	2.031812	Y
8	IC 410-199946/10	70.0	94.144763	10.0	1626626.0	1.344925	Y



Calibration / Alpha Methyl Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

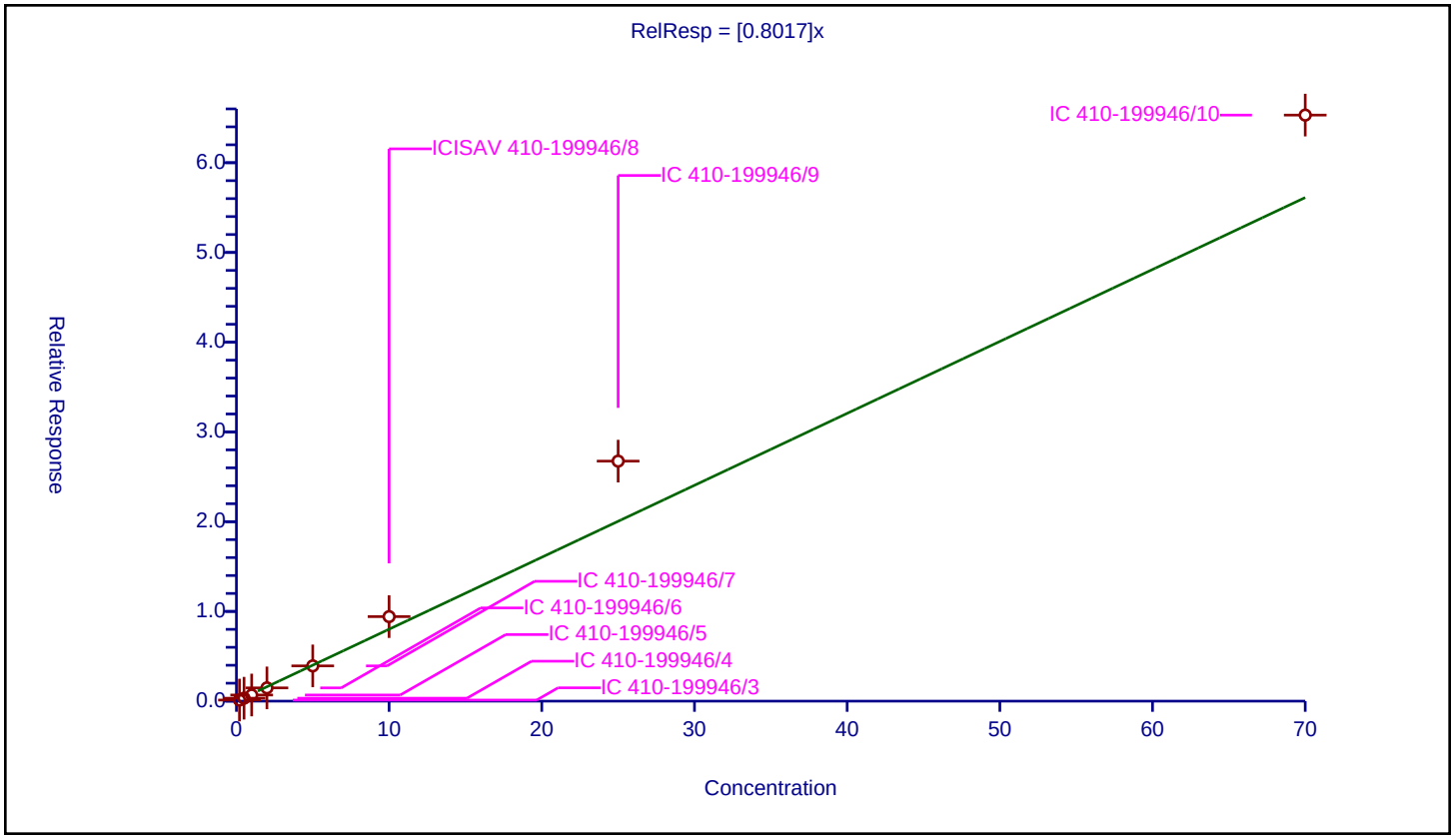
Curve Coefficients

Intercept:	0
Slope:	0.8017

Error Coefficients

Standard Error:	4320000
Relative Standard Error:	20.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.121259	10.0	1380273.0	0.606293	Y
2	IC 410-199946/4	0.5	0.327574	10.0	1312804.0	0.655147	Y
3	IC 410-199946/5	1.0	0.682884	10.0	1346510.0	0.682884	Y
4	IC 410-199946/6	2.0	1.477313	10.0	1336196.0	0.738657	Y
5	IC 410-199946/7	5.0	3.929601	10.0	1382130.0	0.78592	Y
6	ICISAV 410-199946/8	10.0	9.418113	10.0	1404741.0	0.941811	Y
7	IC 410-199946/9	25.0	26.748169	10.0	1493703.0	1.069927	Y
8	IC 410-199946/10	70.0	65.308221	10.0	1626626.0	0.932975	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

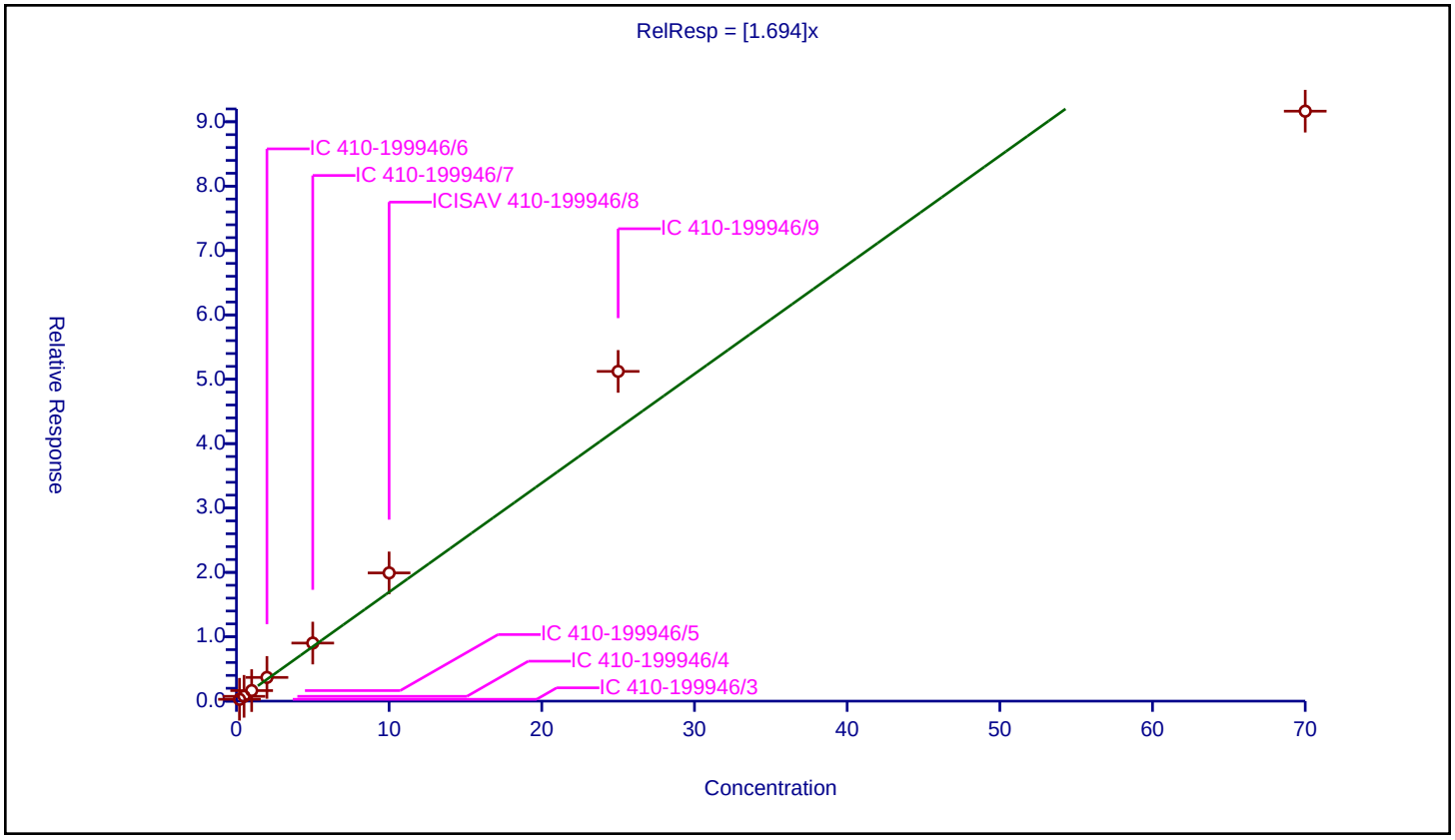
Curve Coefficients

Intercept:	0
Slope:	1.694

Error Coefficients

Standard Error:	6440000
Relative Standard Error:	16.0
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.285538	10.0	1380273.0	1.427689	Y
2	IC 410-199946/4	0.5	0.745275	10.0	1312804.0	1.49055	Y
3	IC 410-199946/5	1.0	1.639646	10.0	1346510.0	1.639646	Y
4	IC 410-199946/6	2.0	3.68294	10.0	1336196.0	1.84147	Y
5	IC 410-199946/7	5.0	9.022494	10.0	1382130.0	1.804499	Y
6	ICISAV 410-199946/8	10.0	19.918085	10.0	1404741.0	1.991808	Y
7	IC 410-199946/9	25.0	51.220651	10.0	1493703.0	2.048826	Y
8	IC 410-199946/10	70.0	91.64923	10.0	1626626.0	1.309275	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

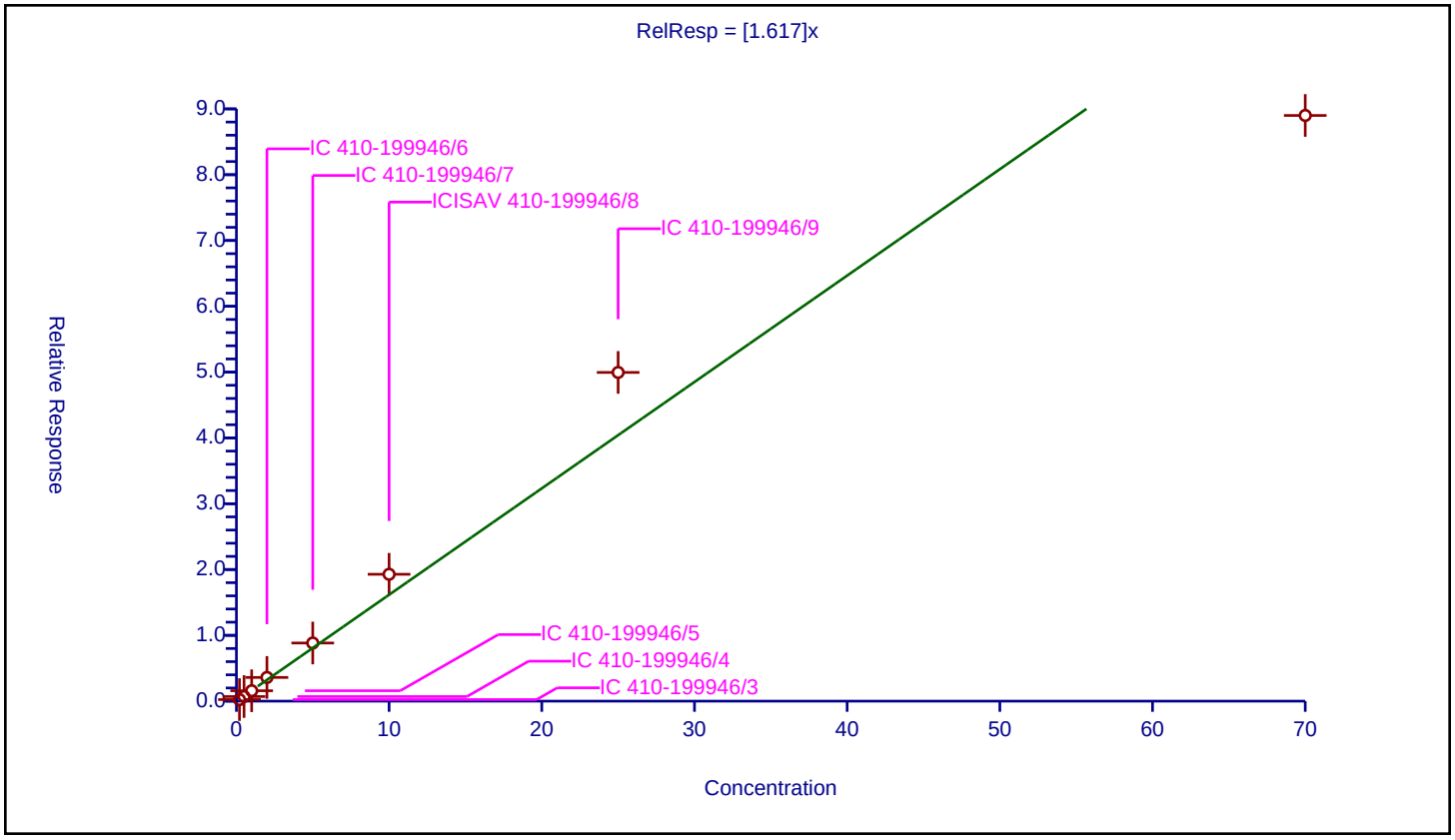
Curve Coefficients

Intercept:	0
Slope:	1.617

Error Coefficients

Standard Error:	6260000
Relative Standard Error:	18.8
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.238453	10.0	1380273.0	1.192264	Y
2	IC 410-199946/4	0.5	0.699251	10.0	1312804.0	1.398503	Y
3	IC 410-199946/5	1.0	1.578607	10.0	1346510.0	1.578607	Y
4	IC 410-199946/6	2.0	3.598551	10.0	1336196.0	1.799276	Y
5	IC 410-199946/7	5.0	8.834429	10.0	1382130.0	1.766886	Y
6	ICISAV 410-199946/8	10.0	19.280017	10.0	1404741.0	1.928002	Y
7	IC 410-199946/9	25.0	49.952963	10.0	1493703.0	1.998119	Y
8	IC 410-199946/10	70.0	89.001596	10.0	1626626.0	1.271451	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

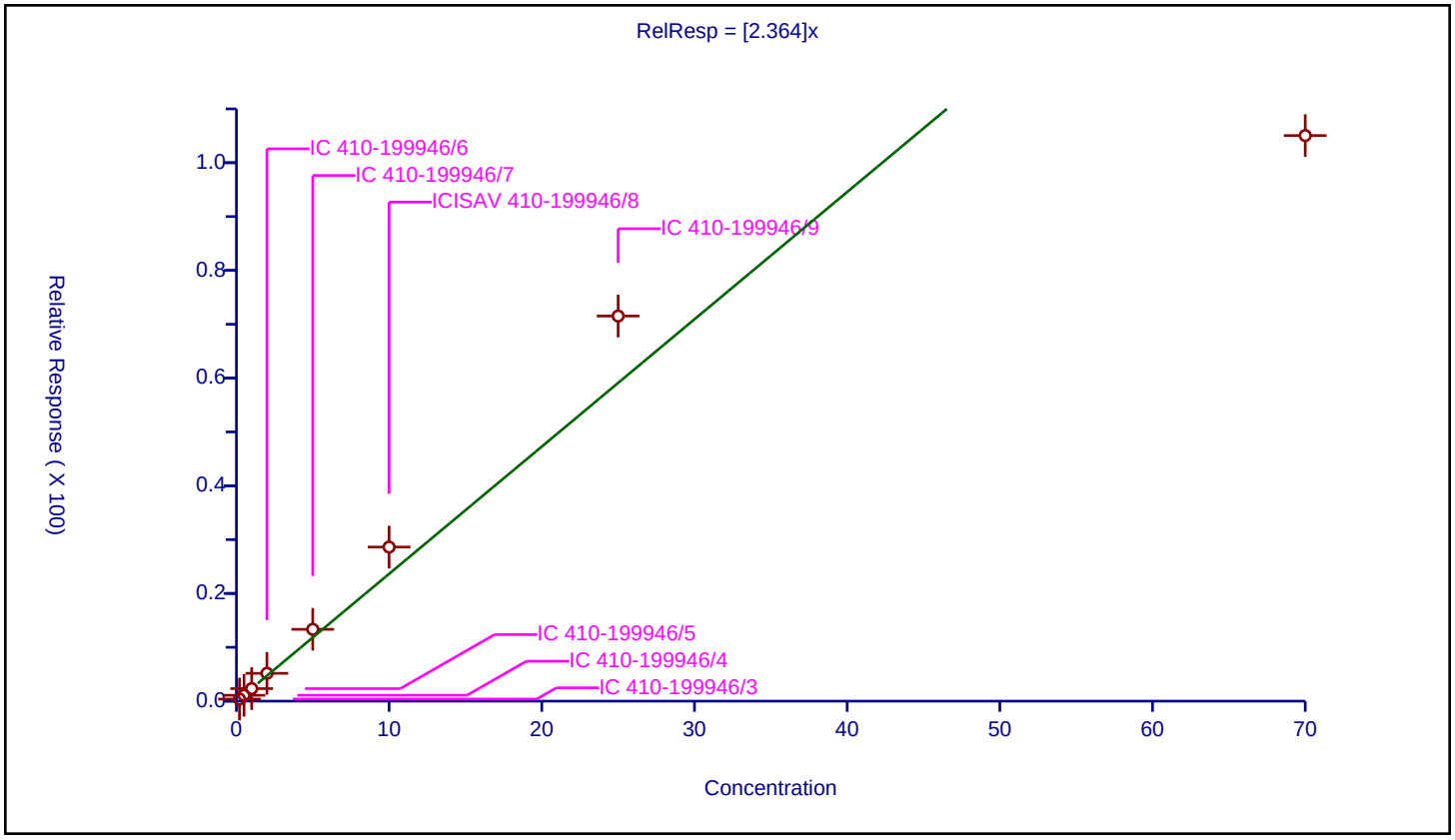
Curve Coefficients

Intercept:	0
Slope:	2.364

Error Coefficients

Standard Error:	7800000
Relative Standard Error:	20.3
Correlation Coefficient:	0.937
Coefficient of Determination (Adjusted):	0.954

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.385641	10.0	1380273.0	1.928206	Y
2	IC 410-199946/4	0.5	1.089538	10.0	1312804.0	2.179076	Y
3	IC 410-199946/5	1.0	2.329838	10.0	1346510.0	2.329838	Y
4	IC 410-199946/6	2.0	5.16776	10.0	1336196.0	2.58388	Y
5	IC 410-199946/7	5.0	13.339418	10.0	1382130.0	2.667884	Y
6	ICISAV 410-199946/8	10.0	28.618891	10.0	1404741.0	2.861889	Y
7	IC 410-199946/9	25.0	71.528798	10.0	1493703.0	2.861152	Y
8	IC 410-199946/10	70.0	105.043974	10.0	1626626.0	1.500628	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

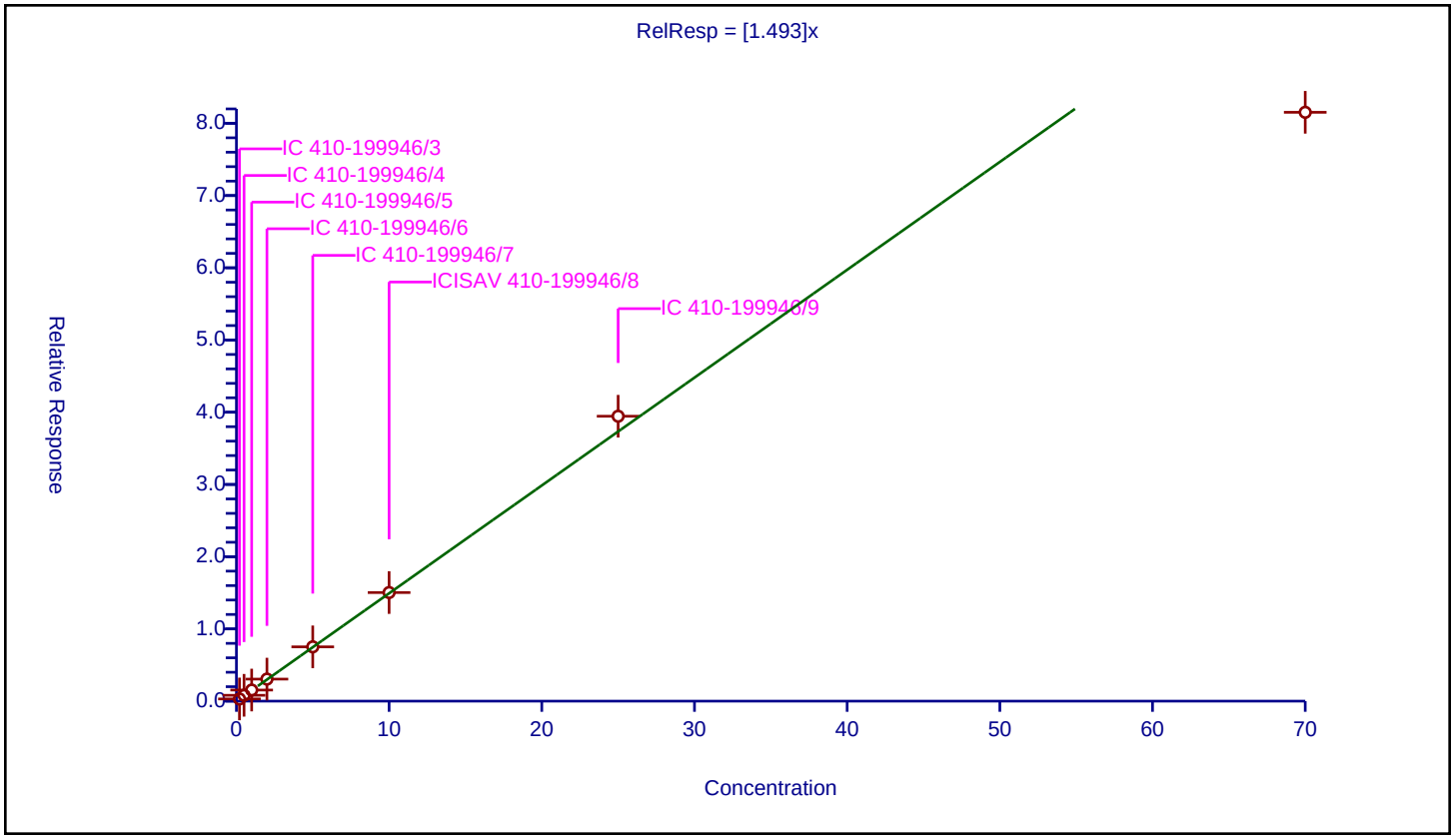
Curve Coefficients

Intercept:	0
Slope:	1.493

Error Coefficients

Standard Error:	5560000
Relative Standard Error:	9.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.303331	10.0	1380273.0	1.516656	Y
2	IC 410-199946/4	0.5	0.807767	10.0	1312804.0	1.615534	Y
3	IC 410-199946/5	1.0	1.535993	10.0	1346510.0	1.535993	Y
4	IC 410-199946/6	2.0	3.052411	10.0	1336196.0	1.526206	Y
5	IC 410-199946/7	5.0	7.518786	10.0	1382130.0	1.503757	Y
6	ICISAV 410-199946/8	10.0	15.037163	10.0	1404741.0	1.503716	Y
7	IC 410-199946/9	25.0	39.448324	10.0	1493703.0	1.577933	Y
8	IC 410-199946/10	70.0	81.527635	10.0	1626626.0	1.16468	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

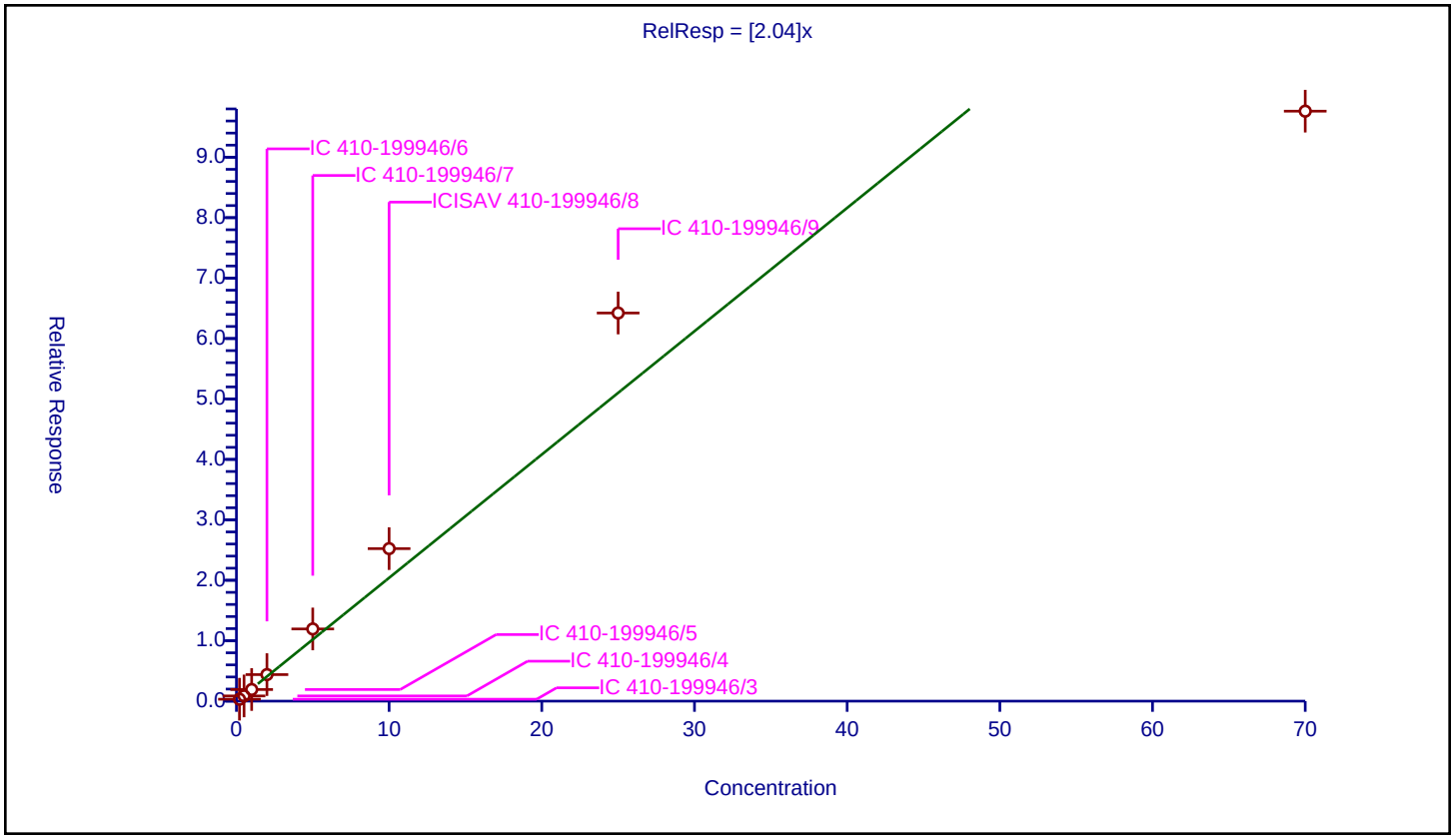
Curve Coefficients

Intercept:	0
Slope:	2.04

Error Coefficients

Standard Error:	7170000
Relative Standard Error:	21.8
Correlation Coefficient:	0.946
Coefficient of Determination (Adjusted):	0.949

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.319821	10.0	1380273.0	1.599104	Y
2	IC 410-199946/4	0.5	0.863419	10.0	1312804.0	1.726838	Y
3	IC 410-199946/5	1.0	1.923684	10.0	1346510.0	1.923684	Y
4	IC 410-199946/6	2.0	4.393135	10.0	1336196.0	2.196568	Y
5	IC 410-199946/7	5.0	11.945519	10.0	1382130.0	2.389104	Y
6	ICISAV 410-199946/8	10.0	25.238297	10.0	1404741.0	2.52383	Y
7	IC 410-199946/9	25.0	64.224903	10.0	1493703.0	2.568996	Y
8	IC 410-199946/10	70.0	97.627008	10.0	1626626.0	1.394672	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

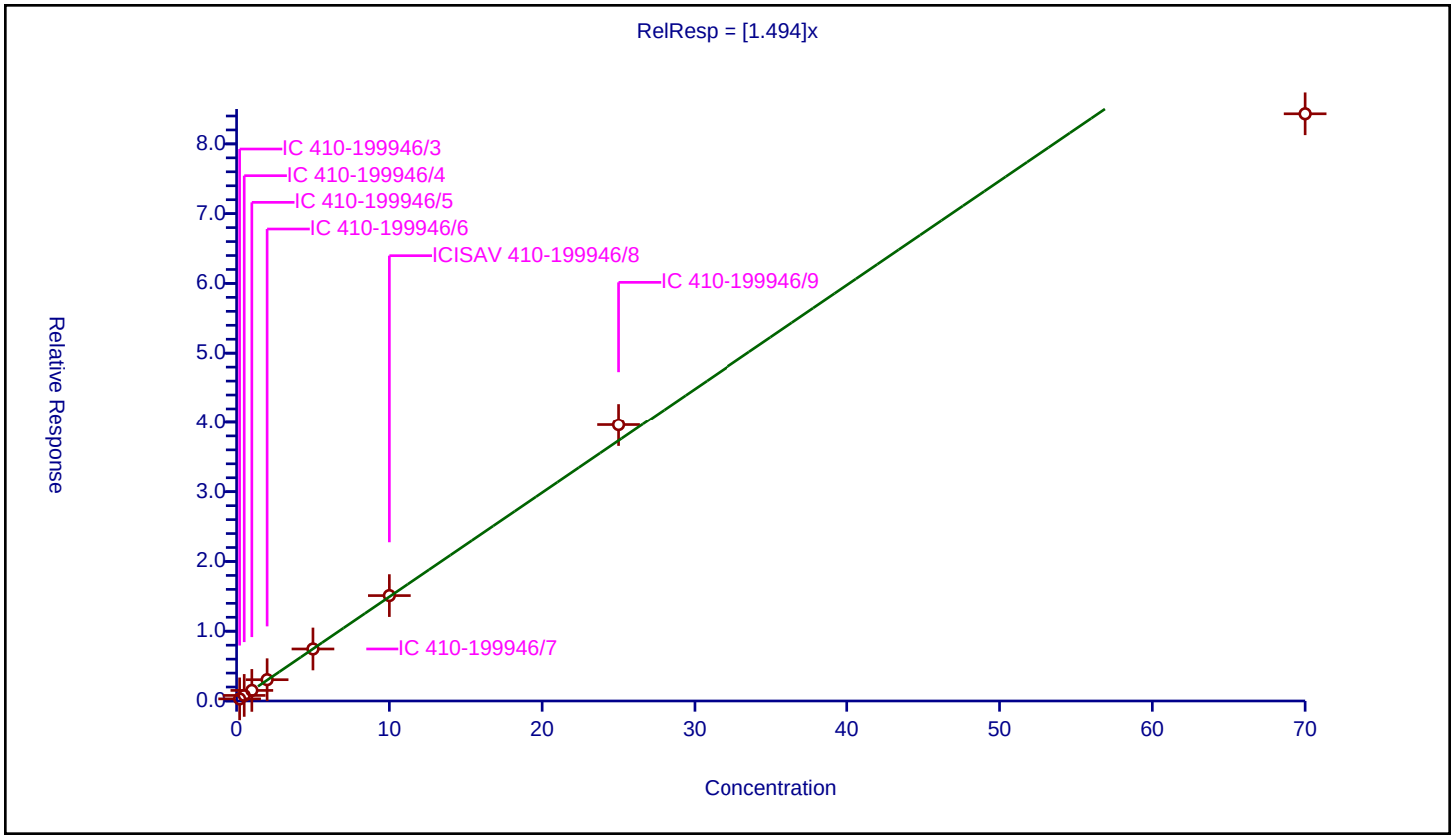
Curve Coefficients

Intercept:	0
Slope:	1.494

Error Coefficients

Standard Error:	5720000
Relative Standard Error:	8.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.303788	10.0	1380273.0	1.518939	Y
2	IC 410-199946/4	0.5	0.798802	10.0	1312804.0	1.597603	Y
3	IC 410-199946/5	1.0	1.515756	10.0	1346510.0	1.515756	Y
4	IC 410-199946/6	2.0	3.053527	10.0	1336196.0	1.526763	Y
5	IC 410-199946/7	5.0	7.456911	10.0	1382130.0	1.491382	Y
6	ICISAV 410-199946/8	10.0	15.109661	10.0	1404741.0	1.510966	Y
7	IC 410-199946/9	25.0	39.628286	10.0	1493703.0	1.585131	Y
8	IC 410-199946/10	70.0	84.314249	10.0	1626626.0	1.204489	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

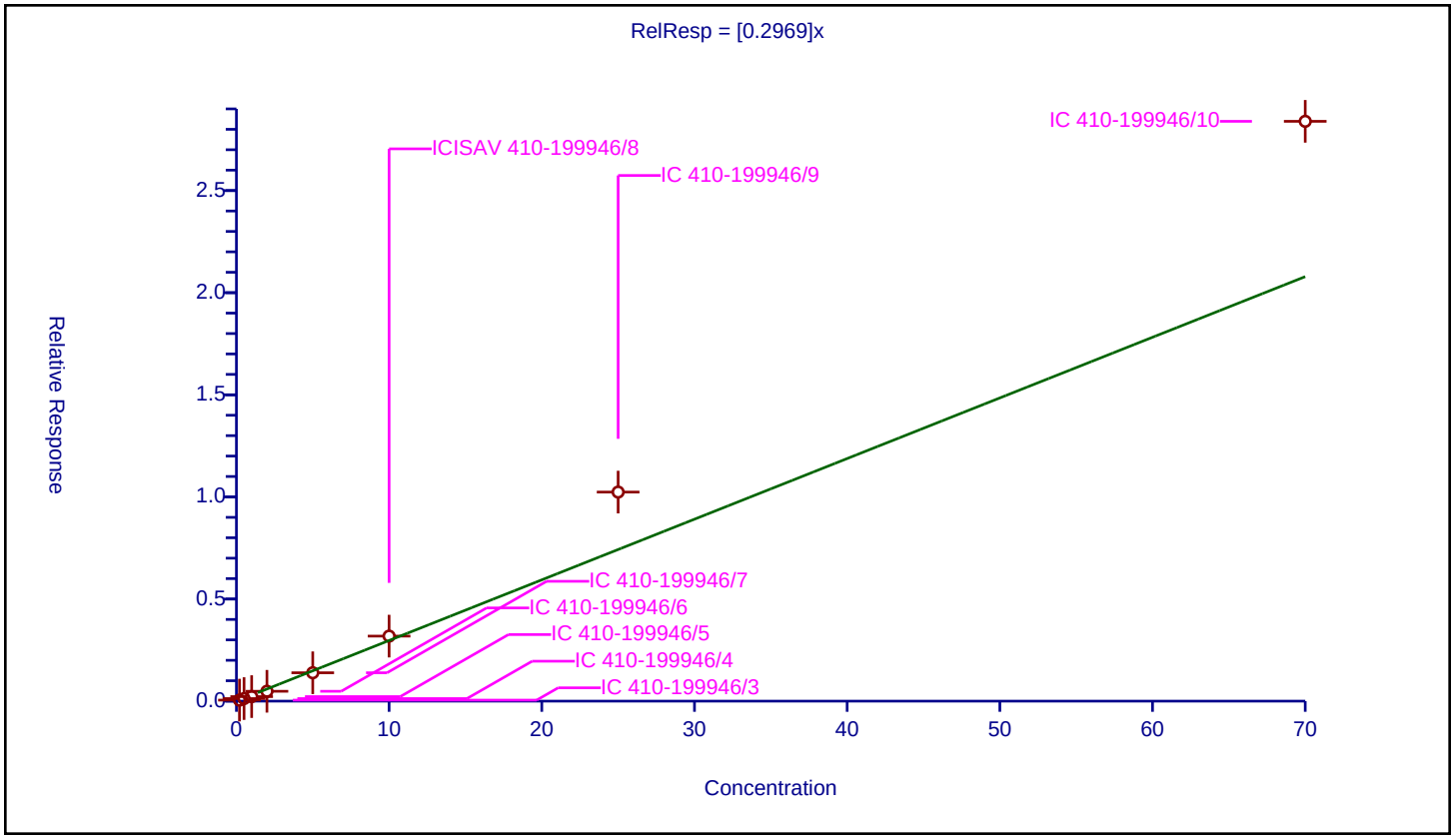
Curve Coefficients

Intercept:	0
Slope:	0.2969

Error Coefficients

Standard Error:	1850000
Relative Standard Error:	24.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.934

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.049816	10.0	1380273.0	0.249081	Y
2	IC 410-199946/4	0.5	0.125548	10.0	1312804.0	0.251096	Y
3	IC 410-199946/5	1.0	0.222293	10.0	1346510.0	0.222293	Y
4	IC 410-199946/6	2.0	0.483724	10.0	1336196.0	0.241862	Y
5	IC 410-199946/7	5.0	1.389182	10.0	1382130.0	0.277836	Y
6	ICISAV 410-199946/8	10.0	3.18364	10.0	1404741.0	0.318364	Y
7	IC 410-199946/9	25.0	10.236372	10.0	1493703.0	0.409455	Y
8	IC 410-199946/10	70.0	28.391093	10.0	1626626.0	0.405587	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

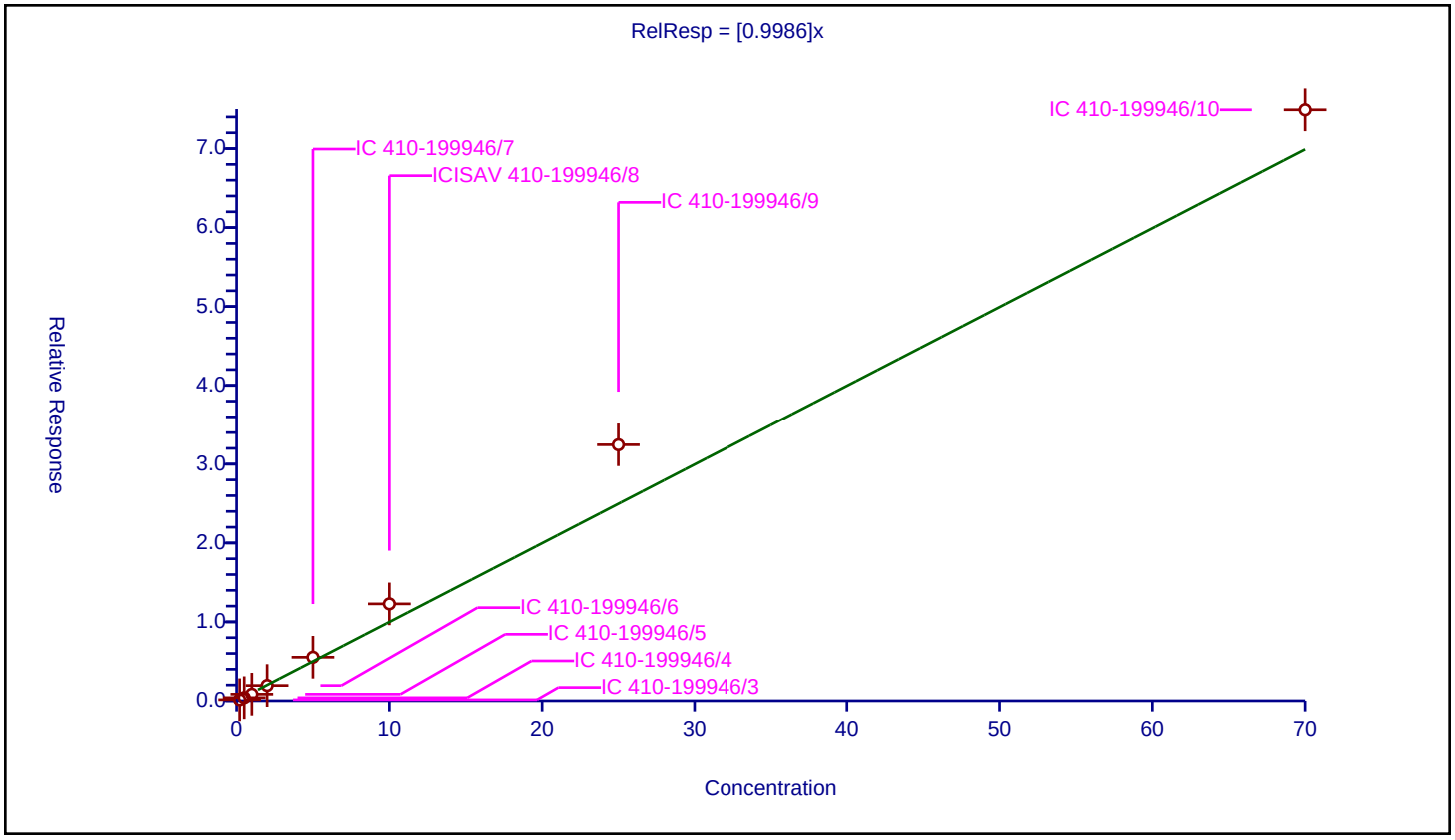
Curve Coefficients

Intercept:	0
Slope:	0.9986

Error Coefficients

Standard Error:	5010000
Relative Standard Error:	21.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.137466	10.0	1380273.0	0.687328	Y
2	IC 410-199946/4	0.5	0.397759	10.0	1312804.0	0.795519	Y
3	IC 410-199946/5	1.0	0.836748	10.0	1346510.0	0.836748	Y
4	IC 410-199946/6	2.0	1.937403	10.0	1336196.0	0.968701	Y
5	IC 410-199946/7	5.0	5.521015	10.0	1382130.0	1.104203	Y
6	ICISAV 410-199946/8	10.0	12.282926	10.0	1404741.0	1.228293	Y
7	IC 410-199946/9	25.0	32.453647	10.0	1493703.0	1.298146	Y
8	IC 410-199946/10	70.0	74.905369	10.0	1626626.0	1.070077	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

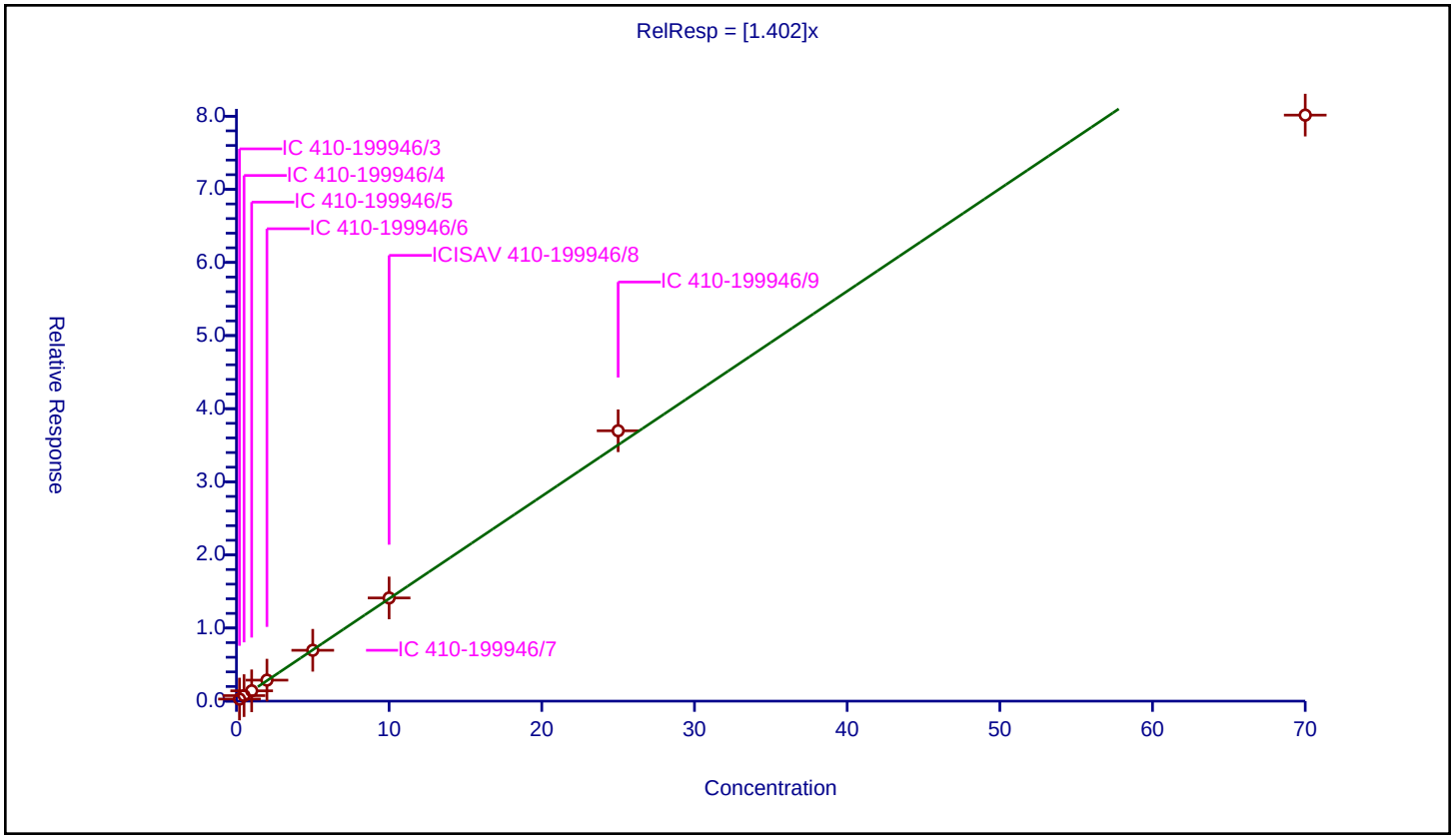
Curve Coefficients

Intercept:	0
Slope:	1.402

Error Coefficients

Standard Error:	5420000
Relative Standard Error:	7.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.28603	10.0	1380273.0	1.430152	Y
2	IC 410-199946/4	0.5	0.754362	10.0	1312804.0	1.508725	Y
3	IC 410-199946/5	1.0	1.410469	10.0	1346510.0	1.410469	Y
4	IC 410-199946/6	2.0	2.873965	10.0	1336196.0	1.436982	Y
5	IC 410-199946/7	5.0	6.956943	10.0	1382130.0	1.391389	Y
6	ICISAV 410-199946/8	10.0	14.111847	10.0	1404741.0	1.411185	Y
7	IC 410-199946/9	25.0	36.979801	10.0	1493703.0	1.479192	Y
8	IC 410-199946/10	70.0	80.150434	10.0	1626626.0	1.145006	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

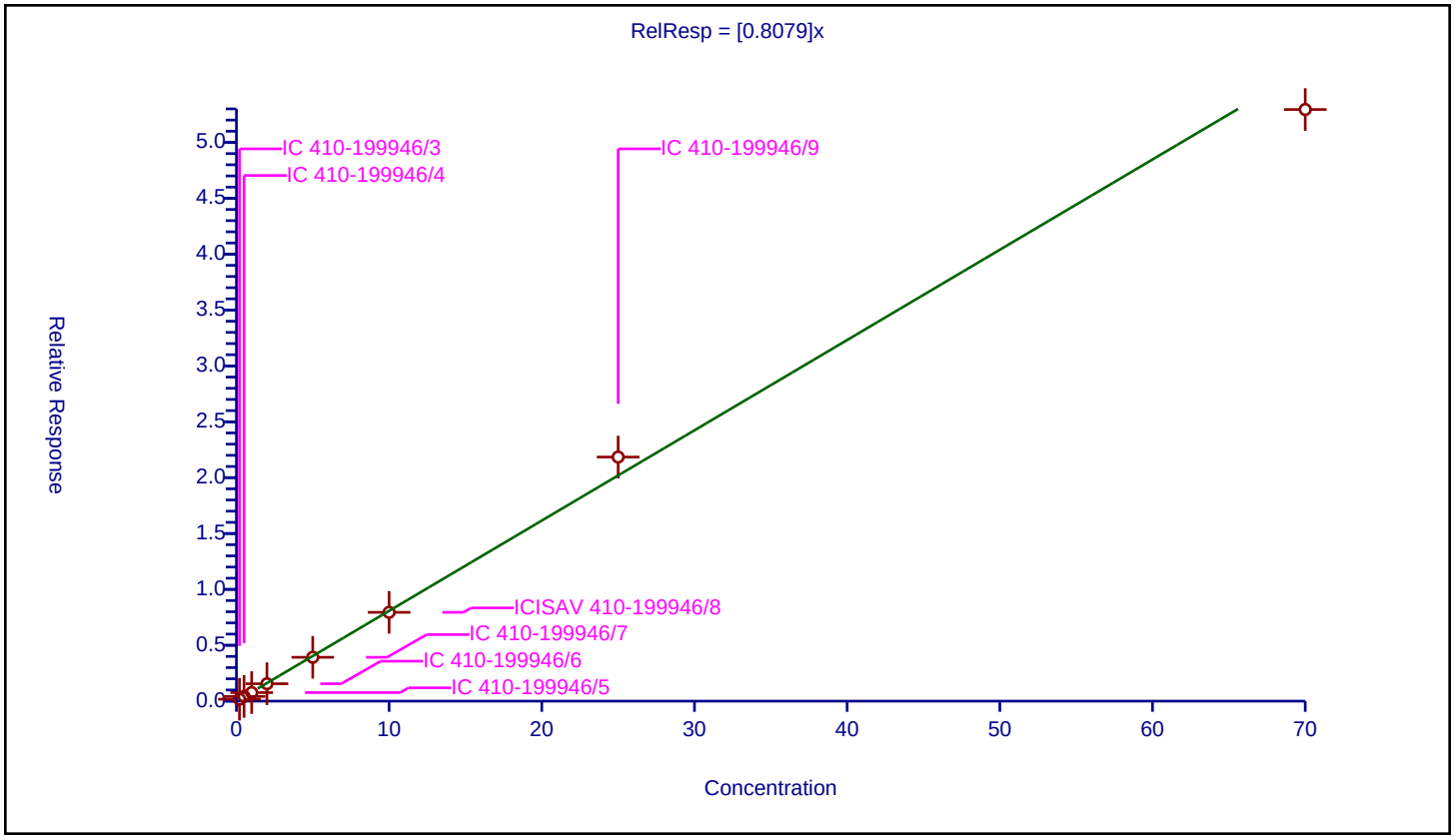
Curve Coefficients

Intercept:	0
Slope:	0.8079

Error Coefficients

Standard Error:	3510000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.173661	10.0	1380273.0	0.868306	Y
2	IC 410-199946/4	0.5	0.419568	10.0	1312804.0	0.839135	Y
3	IC 410-199946/5	1.0	0.76702	10.0	1346510.0	0.76702	Y
4	IC 410-199946/6	2.0	1.557578	10.0	1336196.0	0.778789	Y
5	IC 410-199946/7	5.0	3.924435	10.0	1382130.0	0.784887	Y
6	ICISAV 410-199946/8	10.0	7.948326	10.0	1404741.0	0.794833	Y
7	IC 410-199946/9	25.0	21.844296	10.0	1493703.0	0.873772	Y
8	IC 410-199946/10	70.0	52.944438	10.0	1626626.0	0.756349	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

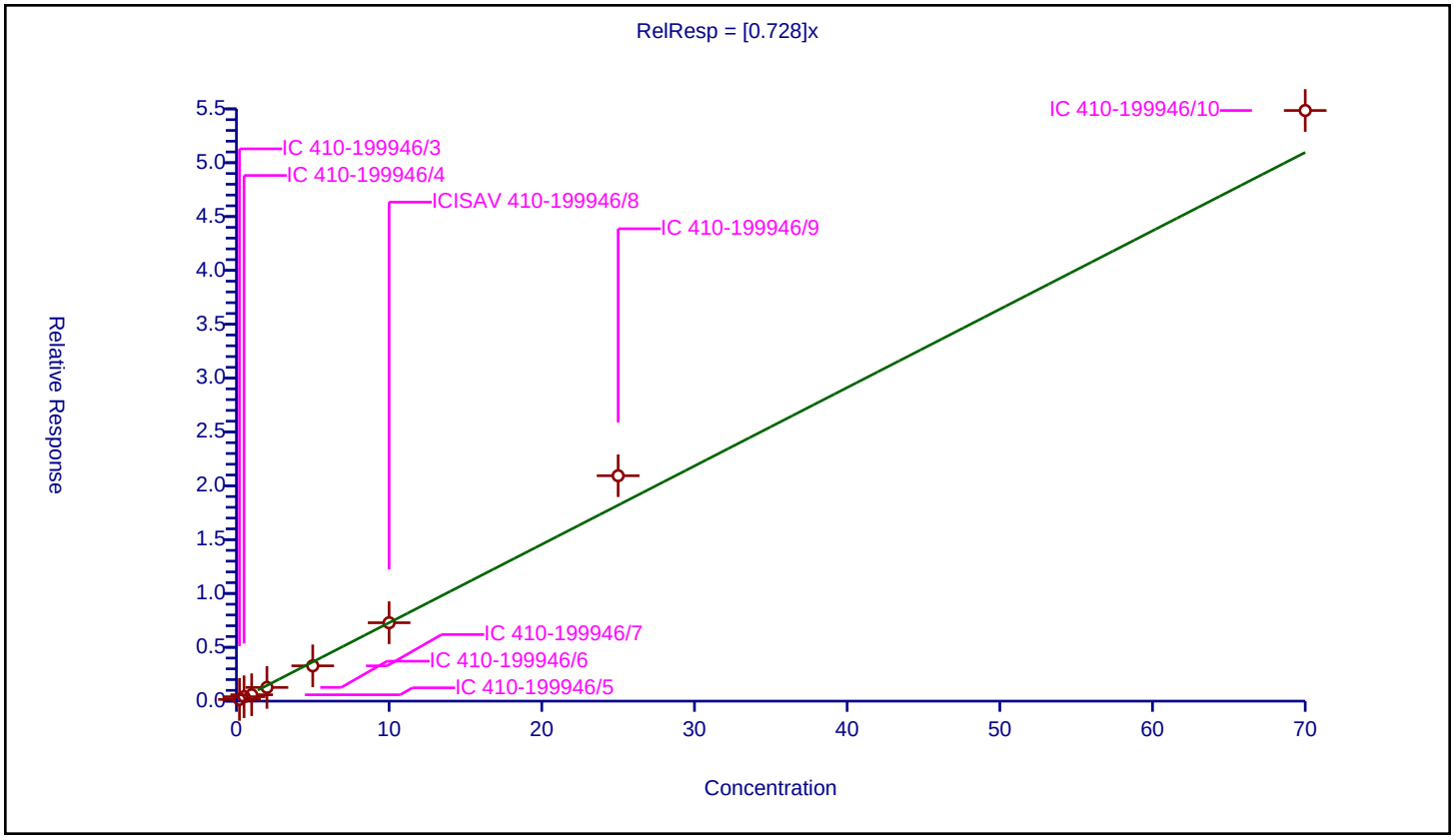
Curve Coefficients

Intercept:	0
Slope:	0.728

Error Coefficients

Standard Error:	3600000
Relative Standard Error:	12.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.154252	10.0	1380273.0	0.77126	Y
2	IC 410-199946/4	0.5	0.409459	10.0	1312804.0	0.818919	Y
3	IC 410-199946/5	1.0	0.591834	10.0	1346510.0	0.591834	Y
4	IC 410-199946/6	2.0	1.273638	10.0	1336196.0	0.636819	Y
5	IC 410-199946/7	5.0	3.279605	10.0	1382130.0	0.655921	Y
6	ICISAV 410-199946/8	10.0	7.280823	10.0	1404741.0	0.728082	Y
7	IC 410-199946/9	25.0	20.933988	10.0	1493703.0	0.83736	Y
8	IC 410-199946/10	70.0	54.850851	10.0	1626626.0	0.783584	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

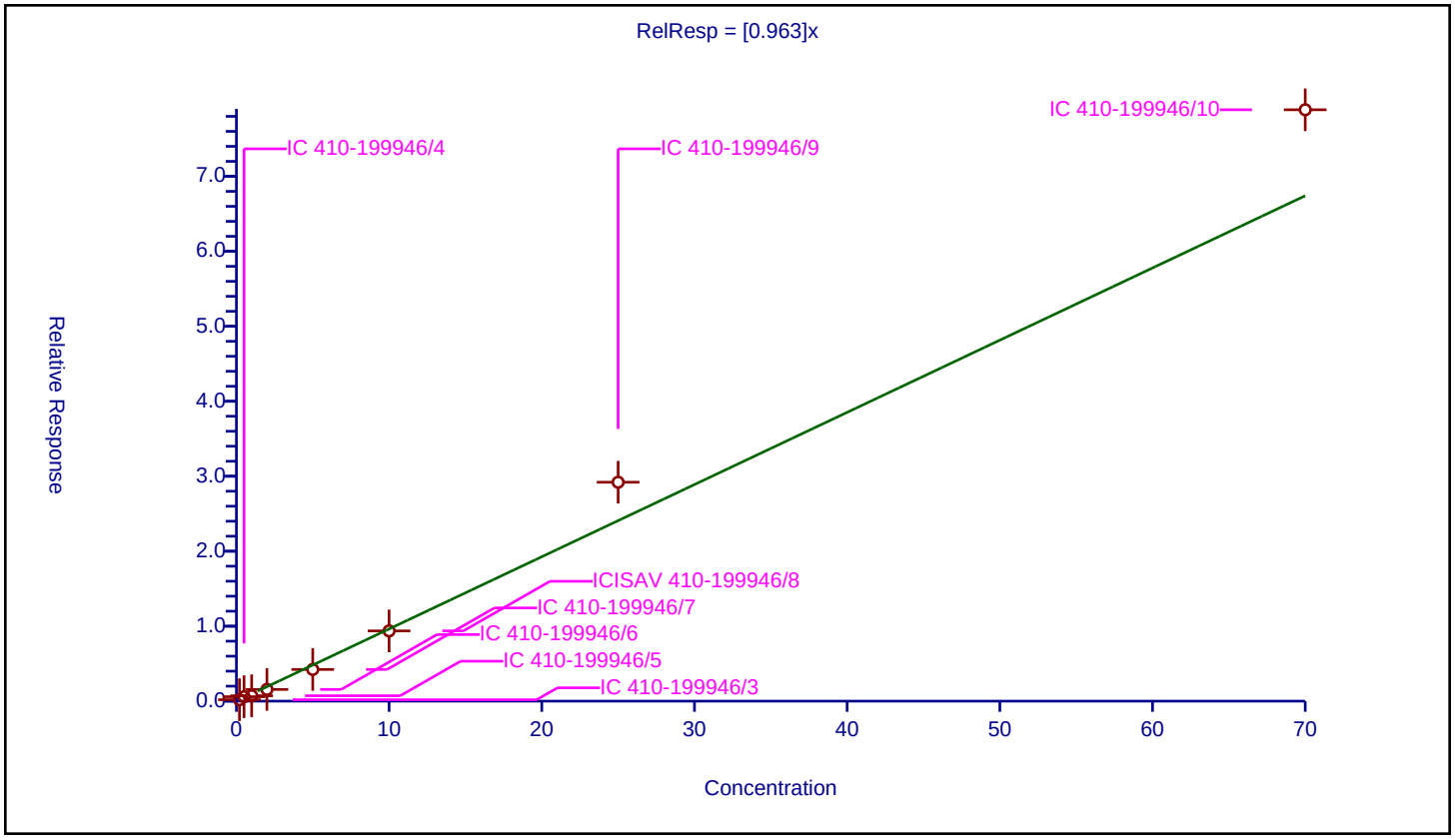
Curve Coefficients

Intercept:	0
Slope:	0.963

Error Coefficients

Standard Error:	5150000
Relative Standard Error:	18.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.189861	10.0	1380273.0	0.949305	Y
2	IC 410-199946/4	0.5	0.589738	10.0	1312804.0	1.179475	Y
3	IC 410-199946/5	1.0	0.718324	10.0	1346510.0	0.718324	Y
4	IC 410-199946/6	2.0	1.560123	10.0	1336196.0	0.780061	Y
5	IC 410-199946/7	5.0	4.225811	10.0	1382130.0	0.845162	Y
6	ICISAV 410-199946/8	10.0	9.3693	10.0	1404741.0	0.93693	Y
7	IC 410-199946/9	25.0	29.200638	10.0	1493703.0	1.168026	Y
8	IC 410-199946/10	70.0	78.881574	10.0	1626626.0	1.12688	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

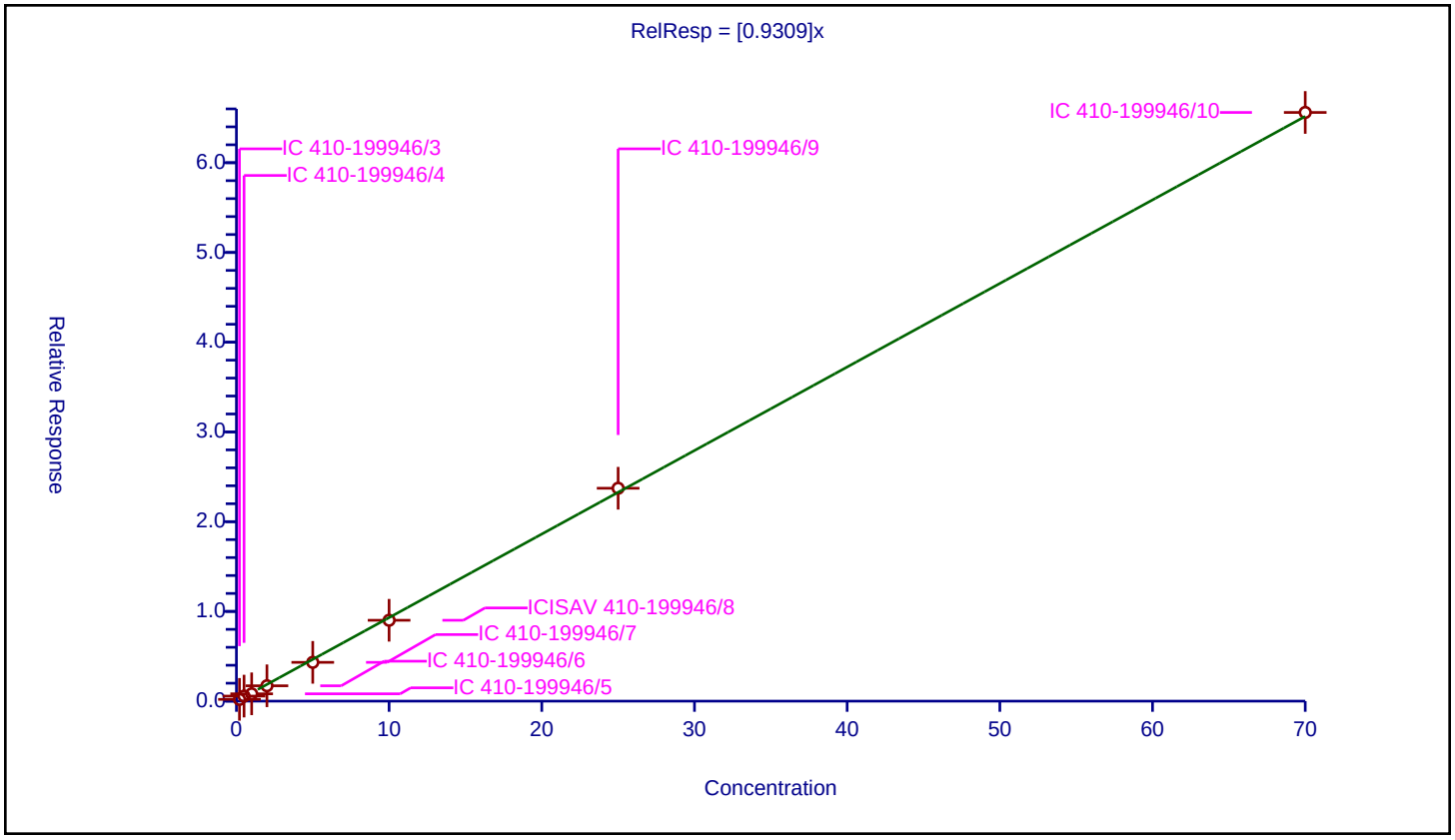
Curve Coefficients

Intercept:	0
Slope:	0.9309

Error Coefficients

Standard Error:	4280000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.198801	10.0	1380273.0	0.994006	Y
2	IC 410-199946/4	0.5	0.563169	10.0	1312804.0	1.126337	Y
3	IC 410-199946/5	1.0	0.818969	10.0	1346510.0	0.818969	Y
4	IC 410-199946/6	2.0	1.711448	10.0	1336196.0	0.855724	Y
5	IC 410-199946/7	5.0	4.324029	10.0	1382130.0	0.864806	Y
6	ICISAV 410-199946/8	10.0	9.013562	10.0	1404741.0	0.901356	Y
7	IC 410-199946/9	25.0	23.726183	10.0	1493703.0	0.949047	Y
8	IC 410-199946/10	70.0	65.602449	10.0	1626626.0	0.937178	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

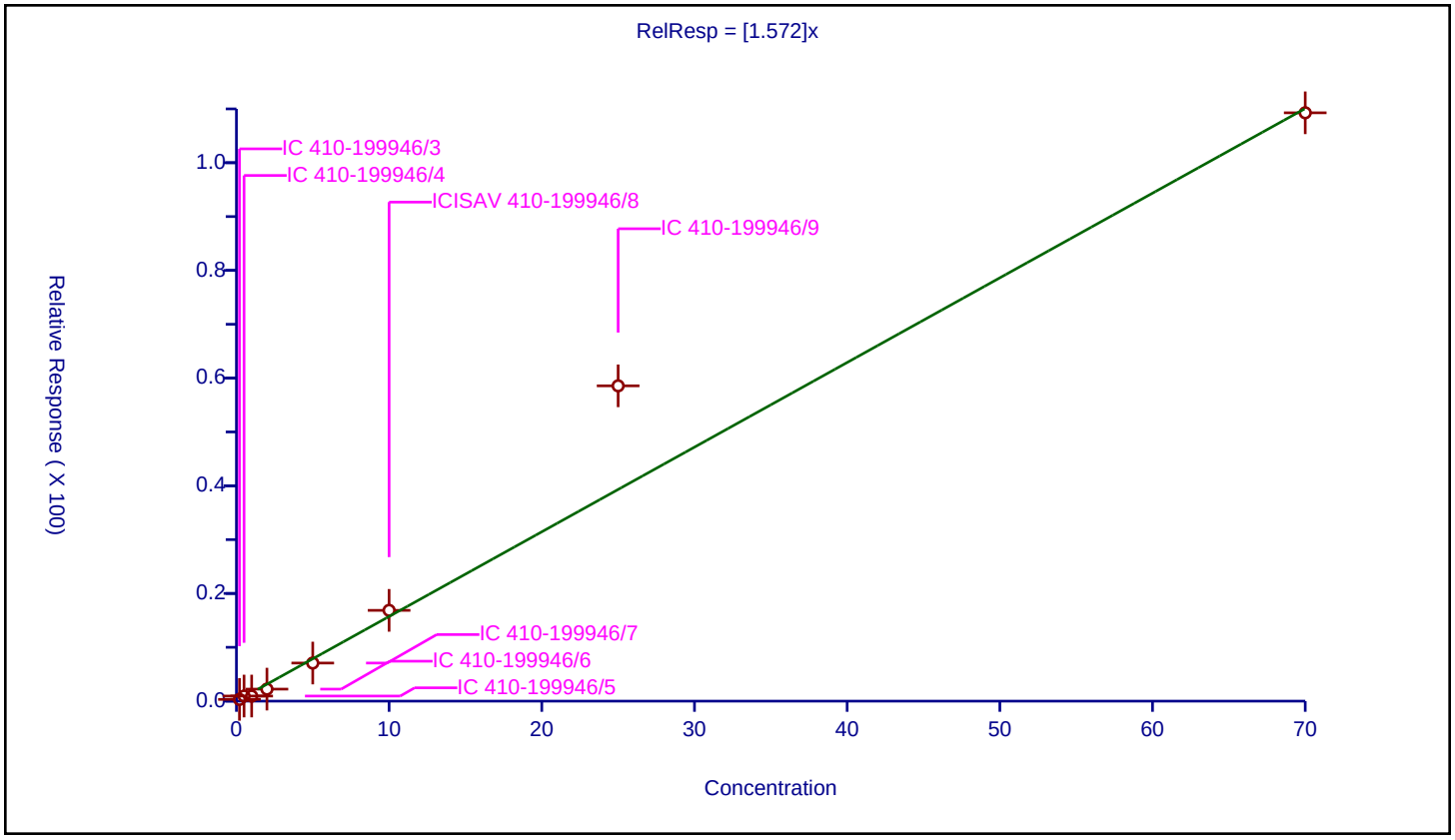
Curve Coefficients

Intercept:	0
Slope:	1.572

Error Coefficients

Standard Error:	7550000
Relative Standard Error:	27.7
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.909

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-199946/3	0.2	0.323791	10.0	1380273.0	1.618955	Y
2	IC 410-199946/4	0.5	0.944924	10.0	1312804.0	1.889848	Y
3	IC 410-199946/5	1.0	0.947234	10.0	1346510.0	0.947234	Y
4	IC 410-199946/6	2.0	2.235802	10.0	1336196.0	1.117901	Y
5	IC 410-199946/7	5.0	7.078379	10.0	1382130.0	1.415676	Y
6	ICISAV 410-199946/8	10.0	16.861493	10.0	1404741.0	1.686149	Y
7	IC 410-199946/9	25.0	58.560925	10.0	1493703.0	2.342437	Y
8	IC 410-199946/10	70.0	109.270717	10.0	1626626.0	1.56101	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-66301-1

SDG No.:

Lab Sample ID: ICV 410-200386/4 Calibration Date: 12/01/2021 22:22

Instrument ID: HP22820 Calib Start Date: 12/01/2021 01:45

GC Column: DB-624 30m ID: 0.25(mm) Calib End Date: 12/01/2021 04:27

Lab File ID: 5D01X08.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propene	Ave	1.148	1.066		9.28	10.0	-7.2	30.0
Dichlorodifluoromethane	Ave	5.330	5.353		10.0	10.0	0.4	30.0
Chlorodifluoromethane	Ave	2.494	2.569		10.3	10.0	3.0	30.0
Freon-114	Ave	5.674	5.637		9.93	10.0	-0.7	30.0
Chloromethane	Ave	1.241	1.043		8.41	10.0	-15.9	30.0
Vinyl chloride	Ave	1.749	1.779		10.2	10.0	1.7	30.0
1,3-Butadiene	Ave	1.221	1.225		10.0	10.0	0.3	30.0
Bromomethane	Ave	1.856	1.770		9.54	10.0	-4.6	30.0
Chloroethane	Ave	1.145	0.9753		8.52	10.0	-14.8	30.0
Bromoethene	Ave	1.903	1.944		10.2	10.0	2.1	30.0
Dichlorofluoromethane	Ave	3.963	4.161		10.5	10.0	5.0	30.0
Trichlorofluoromethane	Ave	5.863	5.763		9.83	10.0	-1.7	30.0
Pentane	Ave	2.295	2.313		10.1	10.0	0.8	30.0
Ethanol	Ave	0.4615	0.3770		8.17	10.0	-18.3	30.0
Acrolein	Ave	0.5201	0.6023		11.6	10.0	15.8	30.0
1,1-Dichloroethene	Ave	2.621	2.757		10.5	10.0	5.2	30.0
Freon 113	Ave	3.128	3.062		9.79	10.0	-2.1	30.0
Acetone	Ave	2.166	2.101		9.70	10.0	-3.0	30.0
Iodomethane	Ave	5.681	5.392		9.49	10.0	-5.1	30.0
Carbon disulfide	Ave	5.347	5.258		9.83	10.0	-1.7	30.0
Isopropanol	Ave	1.807	1.752		9.70	10.0	-3.0	30.0
3-Chloroprene	Ave	2.777	2.878		10.4	10.0	3.6	30.0
Acetonitrile	Ave	2.777	2.878		10.4	10.0	3.6	30.0
Methylene Chloride	Ave	1.840	1.811		9.84	10.0	-1.6	30.0
tert-Butyl alcohol	Ave	2.499	2.354		9.42	10.0	-5.8	30.0
trans-1,2-Dichloroethene	Ave	2.419	2.525		10.4	10.0	4.4	30.0
Acrylonitrile	Ave	1.277	1.345		10.5	10.0	5.3	30.0
Methyl t-butyl ether	Ave	4.281	4.680		10.9	10.0	9.3	30.0
Hexane	Ave	1.245	1.317		10.6	10.0	5.8	30.0
1,1-Dichloroethane	Ave	3.287	3.257		9.91	10.0	-0.9	30.0
Vinyl acetate	Ave	5.527	6.017		10.9	10.0	8.9	30.0
di-Isopropyl ether	Ave	4.385	4.876		11.1	10.0	11.2	30.0
Ethyl tert-butyl ether	Ave	4.119	4.431		10.8	10.0	7.6	30.0
cis-1,2-Dichloroethene	Ave	2.304	2.344		10.2	10.0	1.7	30.0
2-Butanone	Ave	2.359	2.492		10.6	10.0	5.7	30.0
Ethyl acetate	Ave	3.340	3.356		10.0	10.0	0.5	30.0
Methyl acrylate	Ave	2.502	2.719		10.9	10.0	8.6	30.0
Tetrahydrofuran	Ave	1.520	1.599		10.5	10.0	5.2	30.0
Chloroform	Ave	4.491	4.417		9.83	10.0	-1.7	30.0
1,1,1-Trichloroethane	Ave	4.434	4.449		10.0	10.0	0.3	30.0
Cyclohexane	Ave	2.302	2.577		11.2	10.0	11.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-66301-1

SDG No.:

Lab Sample ID: ICV 410-200386/4 Calibration Date: 12/01/2021 22:22

Instrument ID: HP22820 Calib Start Date: 12/01/2021 01:45

GC Column: DB-624 30m ID: 0.25(mm) Calib End Date: 12/01/2021 04:27

Lab File ID: 5D01X08.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	4.699	4.804		10.2	10.0	2.2	30.0
Benzene	Ave	1.436	1.363		9.49	10.0	-5.1	30.0
1,2-Dichloroethane	Ave	0.5970	0.5804		9.72	10.0	-2.8	30.0
Isooctane	Ave	1.523	1.663		10.9	10.0	9.2	30.0
Tert-amyl methyl ether	Ave	0.9309	0.996		10.7	10.0	7.0	30.0
Heptane	Ave	0.4213	0.4543		10.8	10.0	7.8	30.0
Trichloroethene	Ave	0.7502	0.7218		9.62	10.0	-3.8	30.0
Ethyl acrylate	Ave	0.6625	0.7186		10.8	10.0	8.5	30.0
1,2-Dichloropropane	Ave	0.4746	0.4633		9.76	10.0	-2.4	30.0
Methyl methacrylate	Ave	0.3846	0.4230		11.0	10.0	10.0	30.0
1,4-Dioxane	Ave	0.2859	0.2820		9.86	10.0	-1.4	30.0
Dibromomethane	Ave	0.7319	0.7165		9.79	10.0	-2.1	30.0
Bromodichloromethane	Ave	1.034	1.025		9.91	10.0	-0.9	30.0
cis-1,3-Dichloropropene	Ave	0.7140	0.7428		10.4	10.0	4.0	30.0
4-Methyl-2-pentanone	Ave	0.6393	0.6937		10.9	10.0	8.5	30.0
Toluene	Ave	1.584	1.644		10.4	10.0	3.8	30.0
Octane	Ave	0.7135	0.7761		10.9	10.0	8.8	30.0
trans-1,3-Dichloropropene	Ave	0.5844	0.6223		10.6	10.0	6.5	30.0
Ethyl methacrylate	Ave	0.5644	0.6491		11.5	10.0	15.0	30.0
1,1,2-Trichloroethane	Ave	0.6050	0.6000		9.92	10.0	-0.8	30.0
Tetrachloroethene	Ave	1.005	0.9610		9.56	10.0	-4.4	30.0
2-Hexanone	Ave	0.4965	0.5131		10.3	10.0	3.3	30.0
Dibromochloromethane	Ave	0.8368	0.8610		10.3	10.0	2.9	30.0
1,2-Dibromoethane	Ave	0.9369	0.9391		10.0	10.0	0.2	30.0
Chlorobenzene	Ave	1.434	1.423		9.92	10.0	-0.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.8080	0.8171		10.1	10.0	1.1	30.0
Ethylbenzene	Ave	1.870	2.139		11.4	10.0	14.4	30.0
m&p-Xylene	Ave	1.423	1.646		11.6	10.0	15.7	30.0
o-Xylene	Ave	1.366	1.648		12.1	10.0	20.7	30.0
Styrene	Ave	1.097	1.388		12.7	10.0	26.6	30.0
Bromoform	Ave	1.135	1.151		10.1	10.0	1.4	30.0
Cumene	Ave	1.942	2.461		12.7	10.0	26.7	30.0
1,1,2,2-Tetrachloroethane	Ave	1.266	1.230		9.71	10.0	-2.9	30.0
Bromobenzene	Ave	0.9088	0.9132		10.0	10.0	0.5	30.0
1,2,3-Trichloropropane	Ave	0.4244	0.4220		9.94	10.0	-0.6	30.0
N-Propylbenzene	Ave	0.6486	0.7305		11.3	10.0	12.6	30.0
2-Chlorotoluene	Ave	0.6228	0.6898		11.1	10.0	10.8	30.0
4-Ethyltoluene	Ave	2.049	2.499		12.2	10.0	21.9	30.0
1,3,5-Trimethylbenzene	Ave	1.762	2.112		12.0	10.0	19.9	30.0
Alpha Methyl Styrene	Ave	0.8017	1.029		12.8	10.0	28.3	30.0
tert-Butylbenzene	Ave	1.694	2.111		12.5	10.0	24.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-66301-1

SDG No.:

Lab Sample ID: ICV 410-200386/4 Calibration Date: 12/01/2021 22:22

Instrument ID: HP22820 Calib Start Date: 12/01/2021 01:45

GC Column: DB-624 30m ID: 0.25(mm) Calib End Date: 12/01/2021 04:27

Lab File ID: 5D01X08.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	1.617	2.088		12.9	10.0	29.1	30.0
sec-Butylbenzene	Ave	2.364	3.030		12.8	10.0	28.2	30.0
1,3-Dichlorobenzene	Ave	1.493	1.604		10.7	10.0	7.5	30.0
p-Isopropyltoluene	Ave	2.040	2.659		13.0	10.0	30.3*	30.0
1,4-Dichlorobenzene	Ave	1.494	1.589		10.6	10.0	6.4	30.0
Benzyl chloride	Ave	0.2969	0.3400		11.4	10.0	14.5	30.0
n-Butylbenzene	Ave	0.999	1.236		12.4	10.0	23.8	30.0
1,2-Dichlorobenzene	Ave	1.402	1.462		10.4	10.0	4.3	30.0
Hexachloroethane	Ave	0.8079	0.8661		10.7	10.0	7.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.7280	0.6943		9.54	10.0	-4.6	30.0
1,2,4-Trichlorobenzene	Ave	0.9630	0.9605		9.97	10.0	-0.3	30.0
Hexachlorobutadiene	Ave	0.9309	0.8901		9.56	10.0	-4.4	30.0
Naphthalene	Ave	1.572	1.889		12.0	10.0	20.1	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01X08.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 01-Dec-2021 22:22:27 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 410-0045310-004
Operator ID: etp33087 Instrument ID: HP22820
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 02-Dec-2021 12:46:23 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: proctore Date: 01-Dec-2021 22:53:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	1.645	1.645	0.000	98	308960	10.0	9.28	
2 Dichlorodifluoromethane	85	1.681	1.681	0.000	99	1551836	10.0	10.0	
3 Chlorodifluoromethane	51	1.703	1.703	-0.001	97	744663	10.0	10.3	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.810	1.810	0.000	95	1634209	10.0	9.93	
5 Chloromethane	50	1.882	1.882	0.000	99	302452	10.0	8.41	
6 Vinyl chloride	62	2.003	2.003	0.000	98	515729	10.0	10.2	
7 Butadiene	54	2.039	2.039	0.000	89	355238	10.0	10.0	
8 Bromomethane	94	2.383	2.383	0.000	90	513249	10.0	9.54	
9 Chloroethane	64	2.505	2.505	0.000	99	282745	10.0	8.52	
10 Vinyl bromide	106	2.727	2.727	0.000	98	563542	10.0	10.2	
11 Dichlorofluoromethane	67	2.763	2.763	0.000	97	1206224	10.0	10.5	
12 Trichlorofluoromethane	101	2.798	2.799	0.000	99	1670769	10.0	9.83	
13 Pentane	43	2.906	2.906	0.000	94	670661	10.0	10.1	
14 Ethanol	45	3.114	3.114	0.000	100	109291	10.0	8.17	
15 Acrolein	56	3.364	3.364	0.000	99	174618	10.0	11.6	
16 1,1-Dichloroethene	61	3.450	3.450	0.000	94	799264	10.0	10.5	
17 112TCTFE	103	3.465	3.465	0.000	92	887686	10.0	9.79	
18 Acetone	43	3.551	3.551	0.000	99	609239	10.0	9.70	
19 Iodomethane	142	3.622	3.622	0.000	99	1563231	10.0	9.49	
20 Carbon disulfide	76	3.680	3.680	0.000	98	1524432	10.0	9.83	
21 Isopropyl alcohol	45	3.737	3.737	0.000	96	508058	10.0	9.70	
23 Acetonitrile	41	3.887	3.887	0.000	77	834425	10.0	10.4	a
22 3-Chloro-1-propene	41	3.887	3.887	0.000	95	834425	10.0	10.4	
24 Methylene Chloride	84	4.030	4.031	-0.001	84	524974	10.0	9.84	
25 2-Methyl-2-propanol	59	4.174	4.174	0.000	95	682396	10.0	9.42	
26 trans-1,2-Dichloroethene	61	4.303	4.303	0.000	94	732151	10.0	10.4	
27 Methyl tert-butyl ether	73	4.310	4.303	0.007	95	1356757	10.0	10.9	
28 Acrylonitrile	53	4.310	4.310	0.000	100	389827	10.0	10.5	
29 Hexane	56	4.561	4.561	0.000	89	381787	10.0	10.6	
30 1,1-Dichloroethane	63	4.725	4.725	0.000	95	944196	10.0	9.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Vinyl acetate	43	4.783	4.783	0.000	98	1744323	10.0	10.9	
31 Isopropyl ether	45	4.790	4.790	0.000	86	1413709	10.0	11.1	
33 Tert-butyl ethyl ether	59	5.119	5.119	0.000	95	1284484	10.0	10.8	
34 cis-1,2-Dichloroethene	61	5.255	5.255	0.000	74	679463	10.0	10.2	
35 2-Butanone (MEK)	43	5.277	5.277	0.000	98	722550	10.0	10.6	M
36 Ethyl acetate	43	5.327	5.327	0.000	97	972830	10.0	10.0	
37 Methyl acrylate	55	5.356	5.356	0.000	99	788162	10.0	10.9	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	83	289911	10.0	10.0	
39 Tetrahydrofuran	42	5.499	5.499	0.000	83	463706	10.0	10.5	
40 Chloroform	83	5.528	5.528	0.000	92	1280428	10.0	9.83	
41 1,1,1-Trichloroethane	97	5.671	5.671	0.000	97	1289822	10.0	10.0	
42 Cyclohexane	56	5.707	5.707	0.000	85	747020	10.0	11.2	M
43 Carbon tetrachloride	117	5.807	5.807	0.000	96	1392641	10.0	10.2	
44 Benzene	78	5.979	5.979	0.000	94	1787354	10.0	9.49	
45 1,2-Dichloroethane	62	6.000	6.000	0.000	98	761301	10.0	9.72	
46 Isooctane	57	6.029	6.029	0.000	95	2180612	10.0	10.9	
47 Tert-amyl methyl ether	73	6.058	6.058	0.000	95	1306537	10.0	10.7	
48 n-Heptane	71	6.165	6.165	0.000	86	595892	10.0	10.8	
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	93	1311610	10.0	10.0	
50 Trichloroethene	130	6.480	6.480	0.000	96	946683	10.0	9.62	
51 Ethyl acrylate	55	6.559	6.559	0.000	99	942468	10.0	10.8	
52 1,2-Dichloropropane	63	6.659	6.659	0.000	96	607654	10.0	9.76	
53 Methyl methacrylate	69	6.738	6.738	0.000	84	554848	10.0	11.0	
54 Dibromomethane	174	6.760	6.760	0.000	93	939771	10.0	9.79	
55 1,4-Dioxane	88	6.760	6.760	0.000	87	369821	10.0	9.86	
56 Dichlorobromomethane	83	6.867	6.867	0.000	99	1343855	10.0	9.91	
57 cis-1,3-Dichloropropene	75	7.204	7.204	0.000	98	974238	10.0	10.4	
58 4-Methyl-2-pentanone (MIBK)	43	7.311	7.311	0.000	93	909872	10.0	10.9	M
59 Toluene	91	7.447	7.447	0.000	99	2320238	10.0	10.4	
60 n-Octane	43	7.497	7.505	-0.008	77	1095109	10.0	10.9	
61 trans-1,3-Dichloropropene	75	7.612	7.612	0.000	89	878125	10.0	10.6	
62 Ethyl methacrylate	69	7.655	7.662	-0.007	86	915842	10.0	11.5	
63 1,1,2-Trichloroethane	97	7.755	7.755	0.000	89	846613	10.0	9.92	
64 Tetrachloroethene	166	7.848	7.856	-0.008	98	1355930	10.0	9.56	
65 2-Hexanone	43	7.927	7.927	0.000	93	724001	10.0	10.3	
66 Chlorodibromomethane	127	8.049	8.056	-0.007	89	1214882	10.0	10.3	
67 Ethylene Dibromide	107	8.142	8.149	-0.007	99	1325035	10.0	10.0	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	82	1411026	10.0	10.0	
69 Chlorobenzene	112	8.500	8.500	0.000	98	2007435	10.0	9.92	
70 1,1,1,2-Tetrachloroethane	131	8.558	8.558	0.000	96	1152939	10.0	10.1	
71 Ethylbenzene	91	8.565	8.572	-0.007	97	3018335	10.0	11.4	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	98	2322803	10.0	11.6	
73 o-Xylene	91	8.951	8.952	-0.001	95	2325953	10.0	12.1	
74 Styrene	104	8.959	8.966	-0.007	95	1959067	10.0	12.7	
75 Bromoform	173	9.123	9.123	0.000	99	1623836	10.0	10.1	
76 Isopropylbenzene	105	9.224	9.224	0.000	95	3471982	10.0	12.7	
77 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	94	1735016	10.0	9.71	M
78 Bromobenzene	156	9.474	9.474	0.000	86	1288558	10.0	10.0	
79 1,2,3-Trichloropropane	110	9.496	9.496	0.000	81	595511	10.0	9.94	
80 N-Propylbenzene	120	9.532	9.532	0.000	98	1030802	10.0	11.3	
82 2-Chlorotoluene	126	9.610	9.611	-0.001	96	973341	10.0	11.1	
81 4-Ethyltoluene	105	9.610	9.618	-0.008	97	3525605	10.0	12.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 1,3,5-Trimethylbenzene	105	9.653	9.661	-0.008	96	2980404	10.0	12.0	
84 Alpha Methyl Styrene	118	9.825	9.833	-0.008	89	1451785	10.0	12.8	
85 tert-Butylbenzene	119	9.904	9.911	-0.007	91	2978835	10.0	12.5	M
86 1,2,4-Trimethylbenzene	105	9.940	9.947	-0.007	96	2945900	10.0	12.9	
87 sec-Butylbenzene	105	10.062	10.076	-0.014	94	4275822	10.0	12.8	
89 4-Isopropyltoluene	119	10.169	10.176	-0.007	97	3751978	10.0	13.0	M
88 1,3-Dichlorobenzene	146	10.169	10.176	-0.007	74	2263736	10.0	10.7	
90 1,4-Dichlorobenzene	146	10.234	10.241	-0.007	96	2242504	10.0	10.6	
91 Benzyl chloride	126	10.334	10.348	-0.014	97	479704	10.0	11.4	
92 n-Butylbenzene	92	10.477	10.492	-0.015	97	1744294	10.0	12.4	
93 1,2-Dichlorobenzene	146	10.520	10.535	-0.015	99	2062907	10.0	10.4	
94 Hexachloroethane	117	10.706	10.721	-0.015	94	1222080	10.0	10.7	
95 1,2-Dibromo-3-Chloropropane	157	11.115	11.129	-0.014	93	979718	10.0	9.54	
96 1,2,4-Trichlorobenzene	180	11.745	11.752	-0.007	94	1355293	10.0	9.97	
97 Hexachlorobutadiene	225	11.860	11.867	-0.007	98	1255918	10.0	9.56	
98 Naphthalene	128	11.946	11.960	-0.014	96	2665662	10.0	12.0	
S 101 1,2-Dichloroethene, Total	61				0	1411614	20.0	20.6	
S 102 1,3-Dichloropropene, Total	75				0	1852363	20.0	21.2	
S 104 Xylenes, Total	91				0	4648756	20.0	23.6	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRLCS10.0_00144	Amount Added: 200.00	Units: mL	
AIRIS200 ppb_00080	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 02-Dec-2021 12:46:28 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01X08.D

Injection Date: 01-Dec-2021 22:22:27 Instrument ID: HP22820

Lims ID: ICV

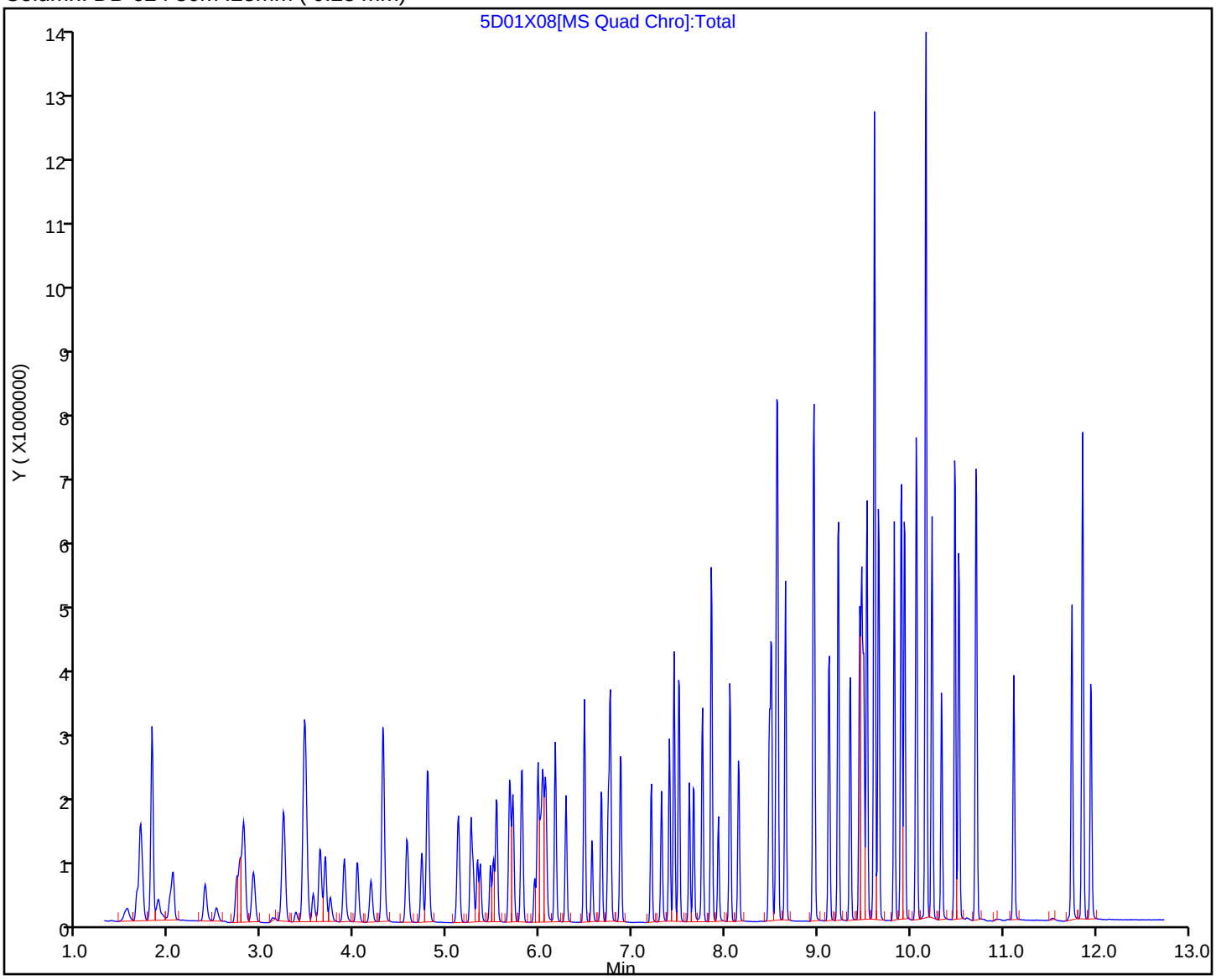
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 4

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 Env, LLC

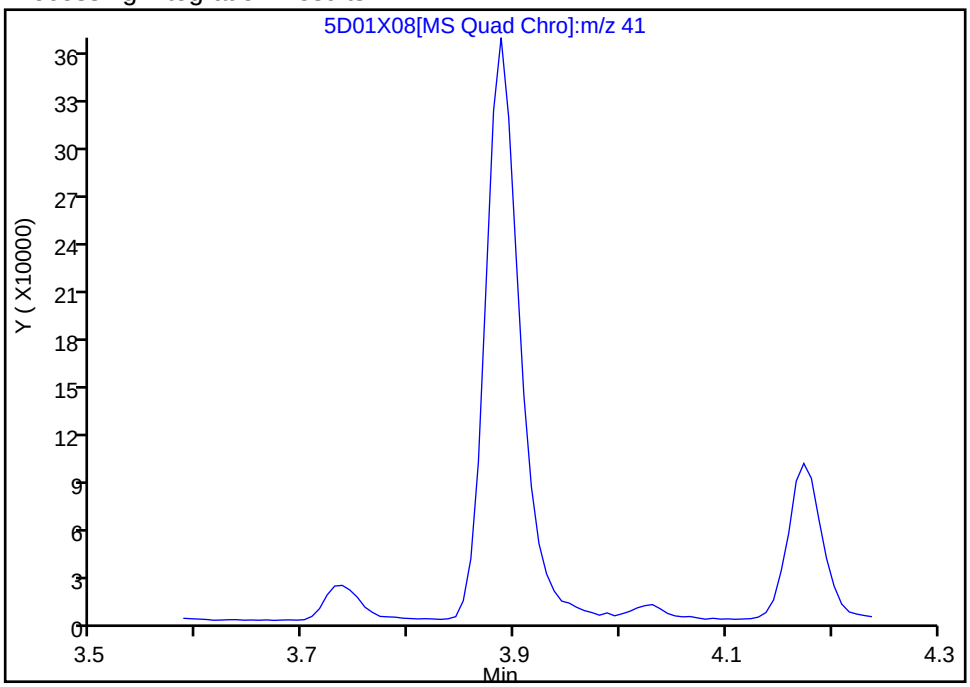
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01X08.D				
Injection Date:	01-Dec-2021 22:22:27	Instrument ID:	HP22820		
Lims ID:	ICV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

23 Acetonitrile, CAS: 75-05-8

Signal: 1

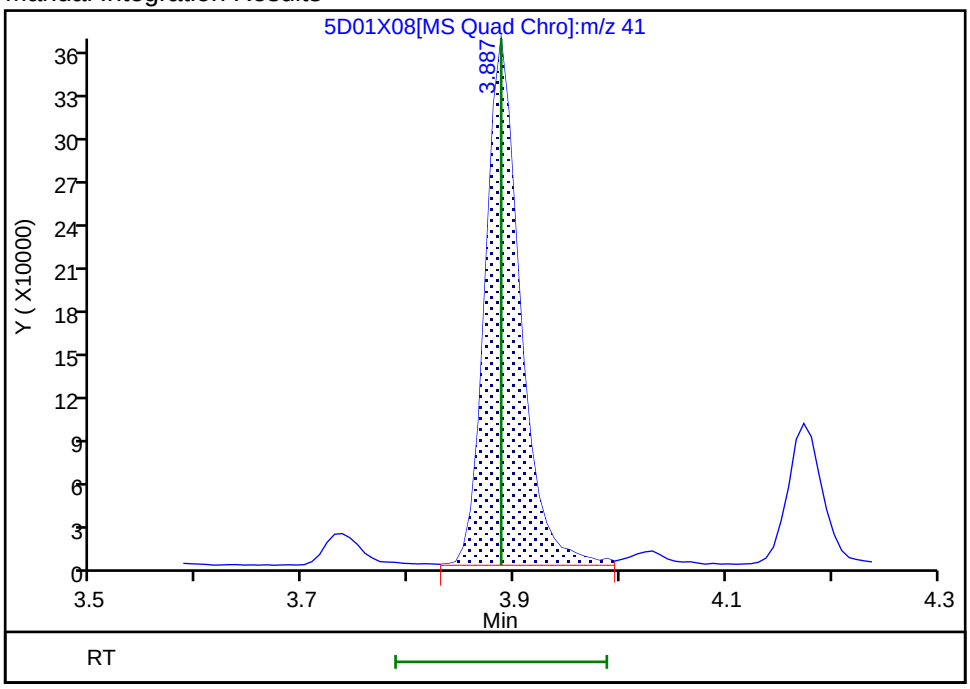
Not Detected
Expected RT: 3.89

Processing Integration Results



Manual Integration Results

RT: 3.89
Area: 834425
Amount: 10.363895
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 22:52:28
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

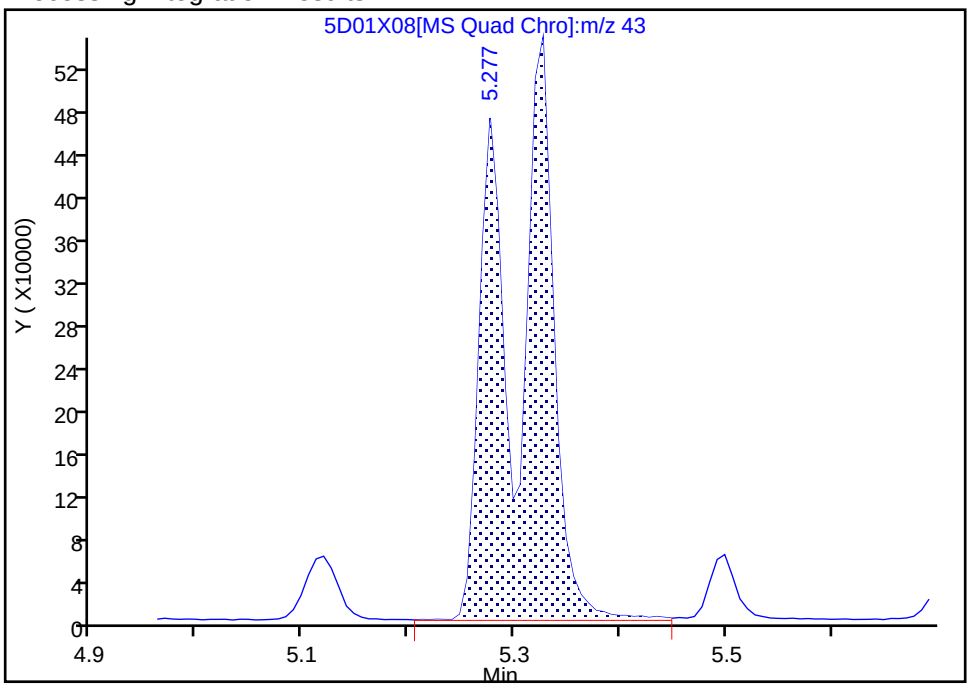
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01X08.D				
Injection Date:	01-Dec-2021 22:22:27	Instrument ID:	HP22820		
Lims ID:	ICV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

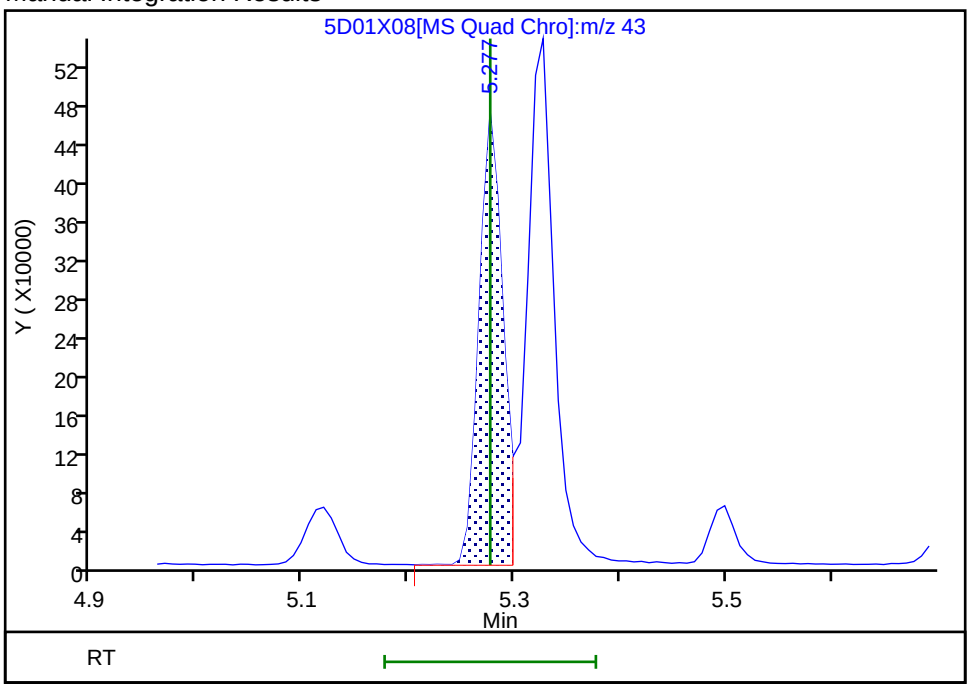
Processing Integration Results

RT: 5.28
Area: 1695381
Amount: 24.793767
Amount Units: ppb v/v



Manual Integration Results

RT: 5.28
Area: 722550
Amount: 10.566791
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 22:53:43

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

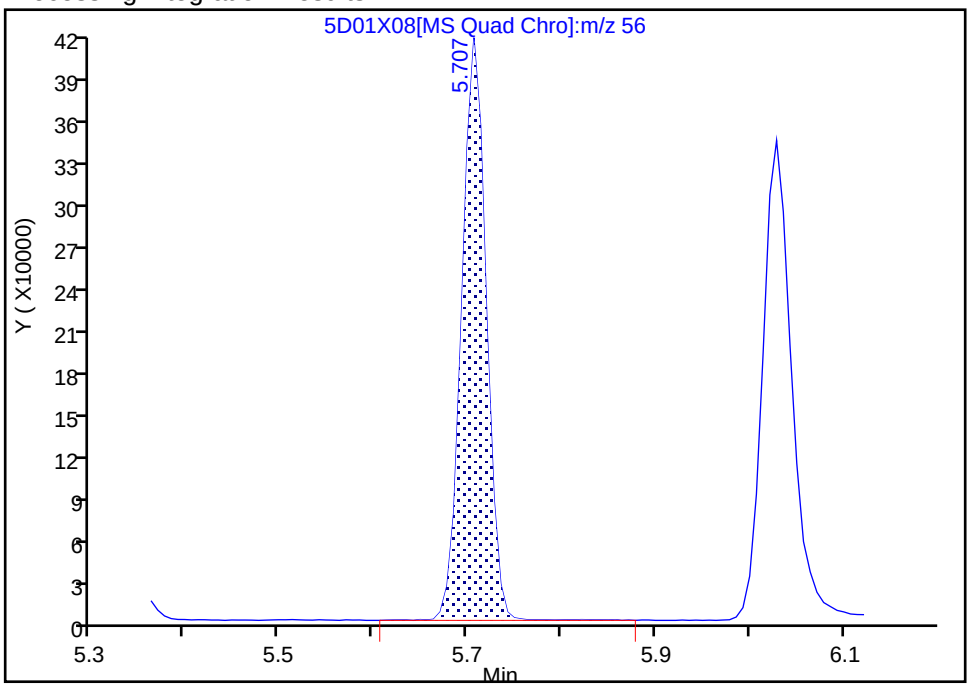
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01X08.D				
Injection Date:	01-Dec-2021 22:22:27	Instrument ID:	HP22820		
Lims ID:	ICV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

42 Cyclohexane, CAS: 110-82-7

Signal: 1

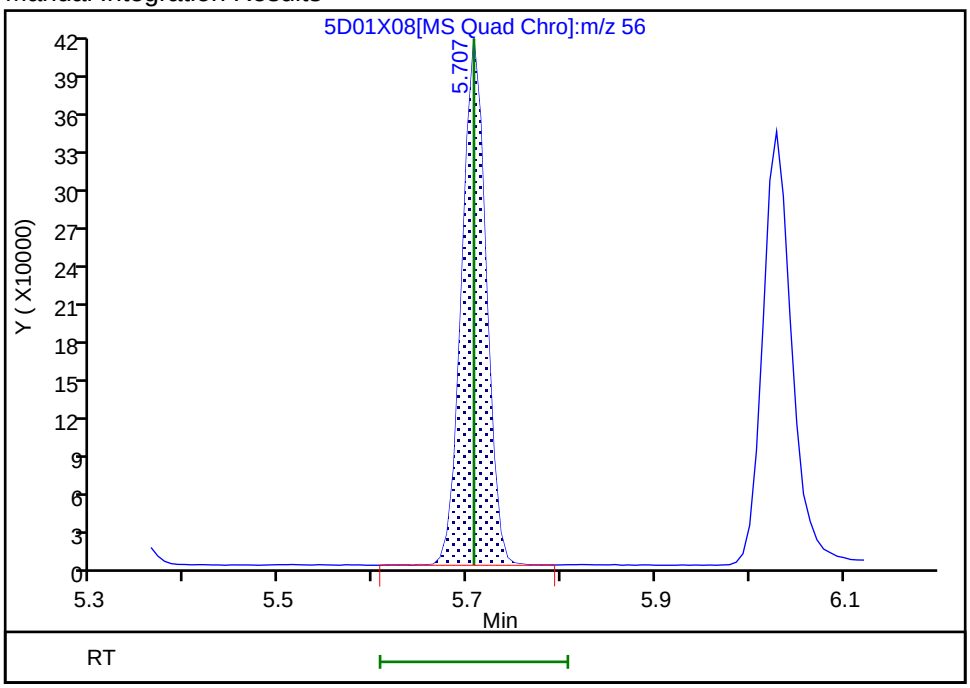
Processing Integration Results

RT: 5.71
Area: 748708
Amount: 11.217542
Amount Units: ppb v/v



Manual Integration Results

RT: 5.71
Area: 747020
Amount: 11.192252
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 22:53:56
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

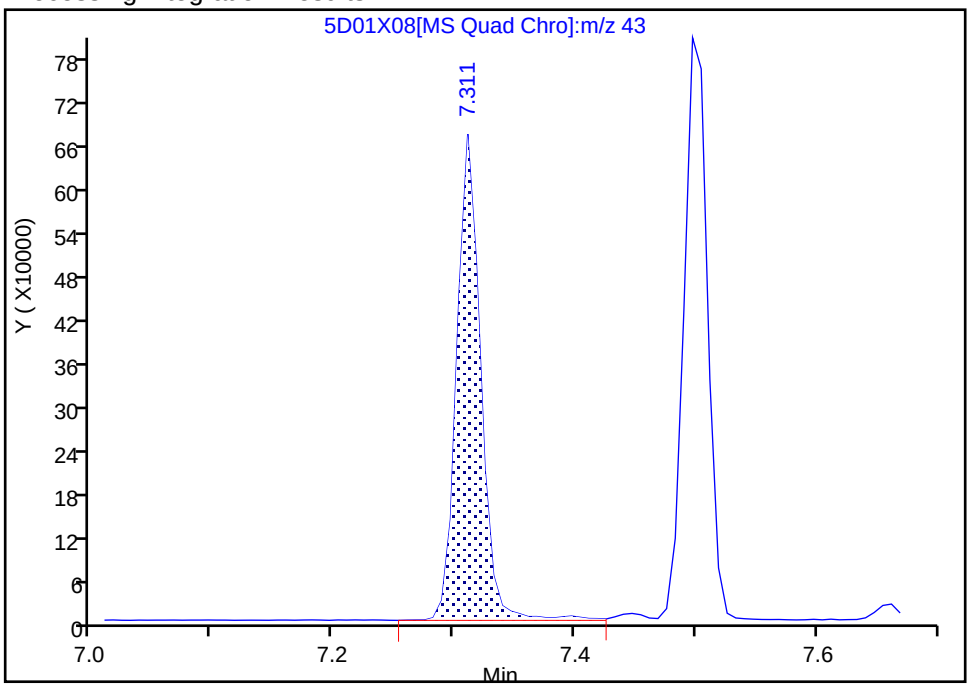
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01X08.D				
Injection Date:	01-Dec-2021 22:22:27	Instrument ID:	HP22820		
Lims ID:	ICV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

58 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

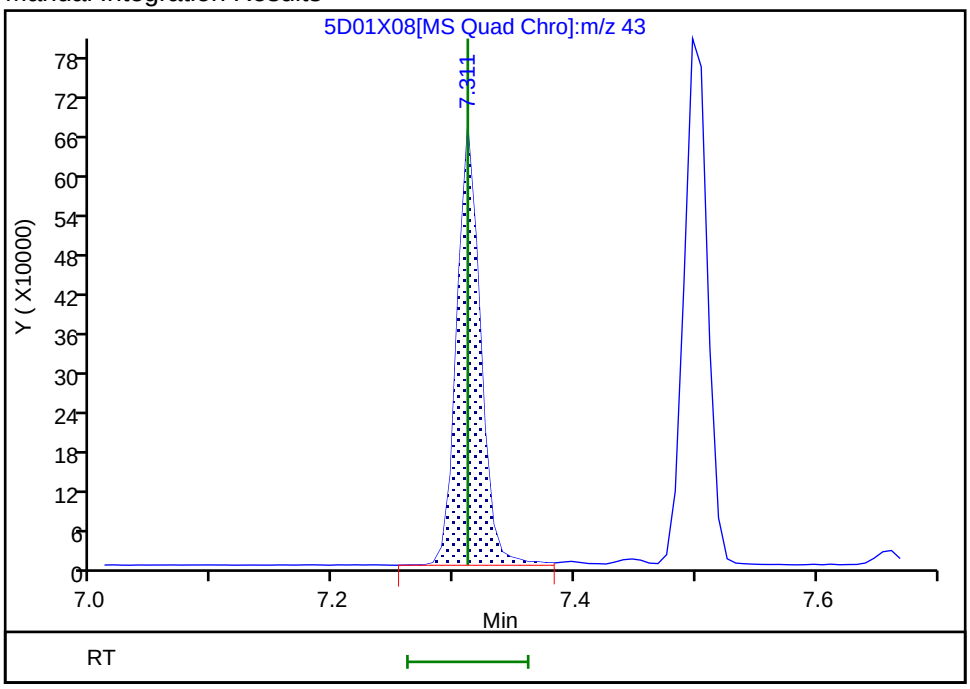
Processing Integration Results

RT: 7.31
Area: 919595
Amount: 10.967030
Amount Units: ppb v/v



Manual Integration Results

RT: 7.31
Area: 909872
Amount: 10.851074
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 22:54:12
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

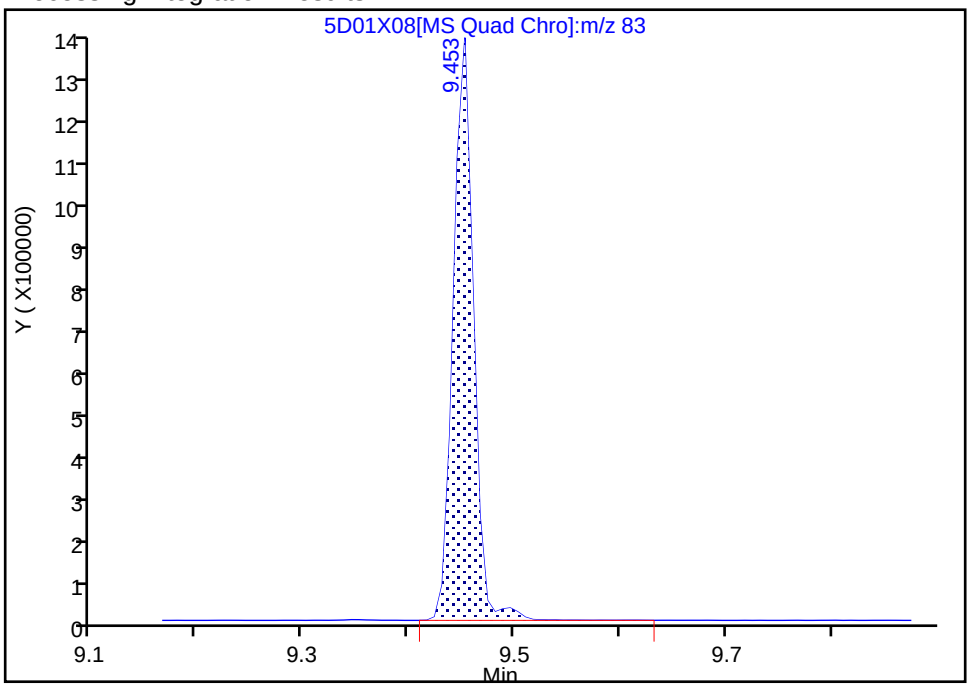
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01X08.D				
Injection Date:	01-Dec-2021 22:22:27	Instrument ID:	HP22820		
Lims ID:	ICV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

77 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

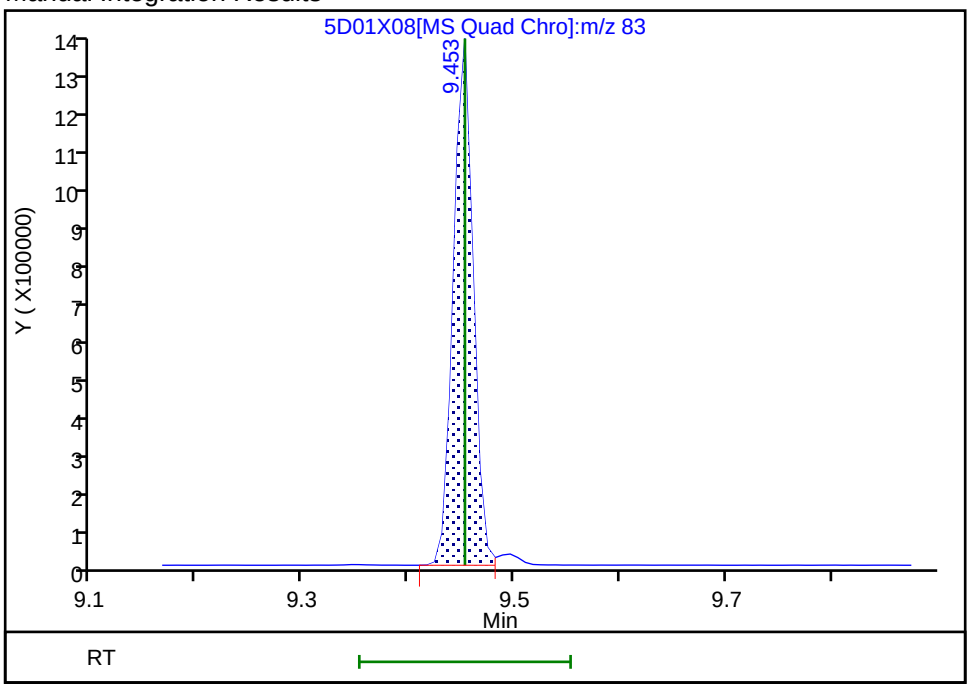
Processing Integration Results

RT: 9.45
Area: 1778364
Amount: 9.953207
Amount Units: ppb v/v



Manual Integration Results

RT: 9.45
Area: 1735016
Amount: 9.710596
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 22:54:29
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

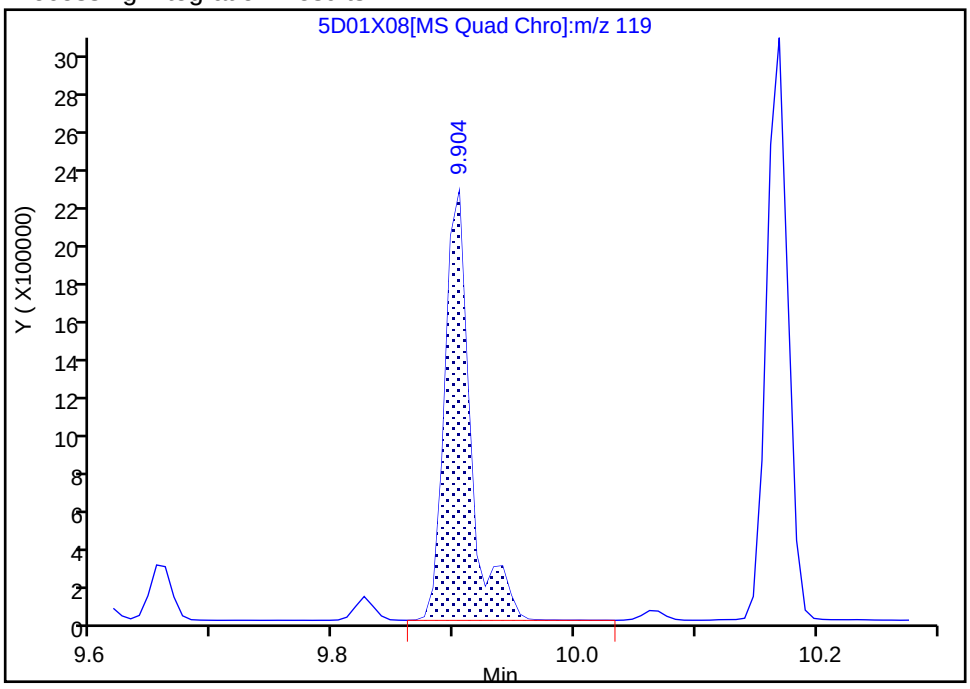
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01X08.D				
Injection Date:	01-Dec-2021 22:22:27	Instrument ID:	HP22820		
Lims ID:	ICV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

85 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

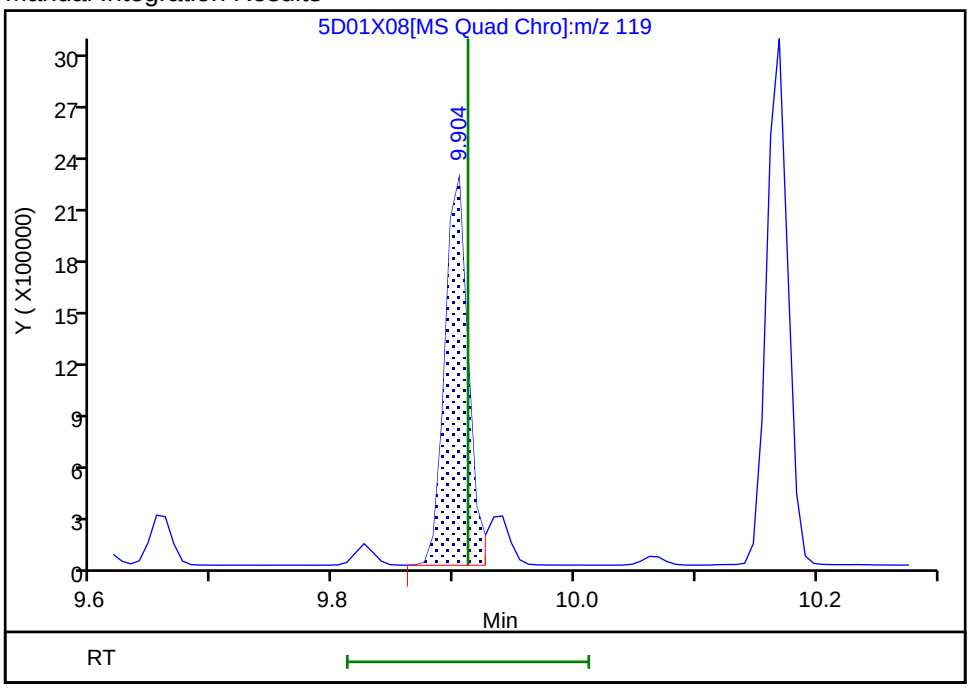
Processing Integration Results

RT: 9.90
Area: 3335359
Amount: 13.952039
Amount Units: ppb v/v



Manual Integration Results

RT: 9.90
Area: 2978835
Amount: 12.460674
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 22:54:47

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

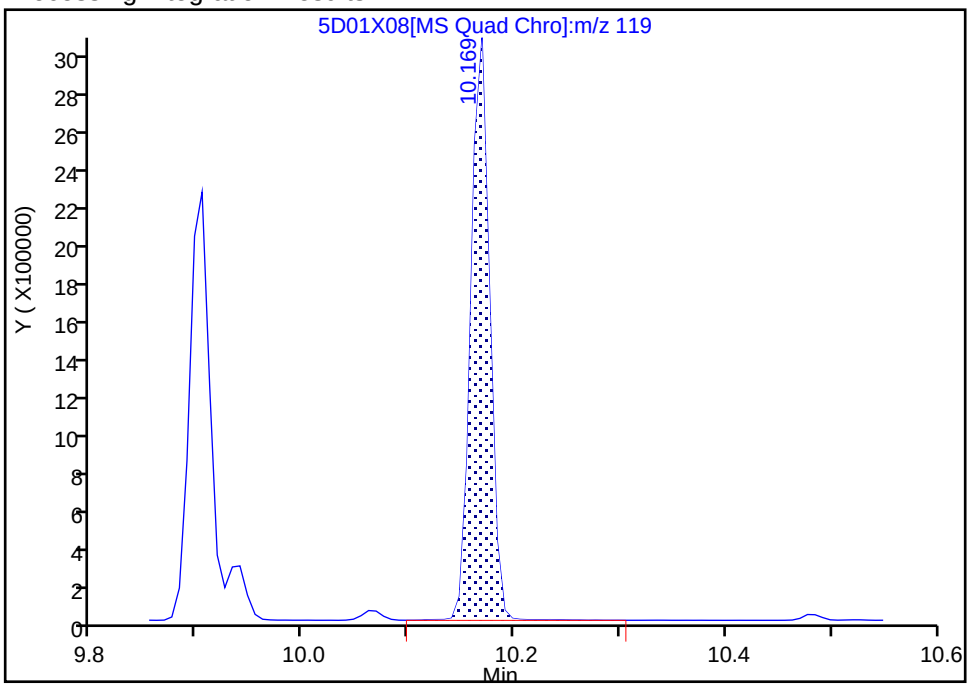
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01X08.D				
Injection Date:	01-Dec-2021 22:22:27	Instrument ID:	HP22820		
Lims ID:	ICV				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

89 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

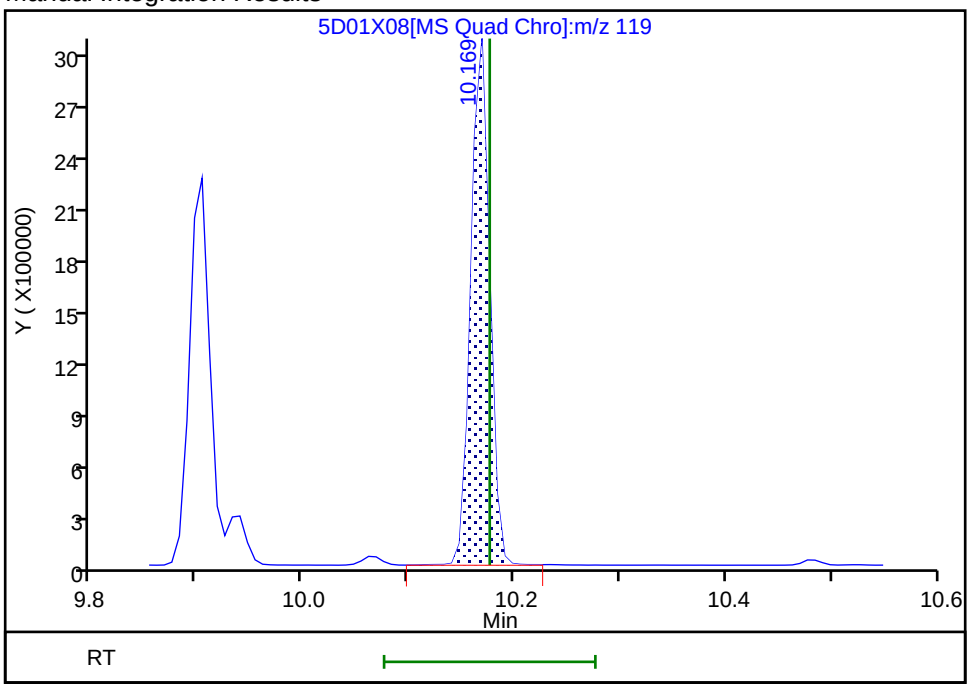
Processing Integration Results

RT: 10.17
Area: 3759331
Amount: 13.057830
Amount Units: ppb v/v



Manual Integration Results

RT: 10.17
Area: 3751978
Amount: 13.032290
Amount Units: ppb v/v



Reviewer: proctore, 01-Dec-2021 23:00:24

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-66301-1

SDG No.:

Lab Sample ID: CCVIS 410-206378/3 Calibration Date: 12/16/2021 19:42

Instrument ID: HP22820 Calib Start Date: 12/01/2021 01:45

GC Column: DB-624 30m ID: 0.25(mm) Calib End Date: 12/01/2021 04:27

Lab File ID: 5D16X02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propene	Ave	1.148	1.078		9.39	10.0	-6.1	30.0
Dichlorodifluoromethane	Ave	5.330	5.677		10.7	10.0	6.5	30.0
Chlorodifluoromethane	Ave	2.494	2.546		10.2	10.0	2.1	30.0
Freon-114	Ave	5.674	5.859		10.3	10.0	3.3	30.0
Chloromethane	Ave	1.241	0.998		8.04	10.0	-19.6	30.0
Vinyl chloride	Ave	1.749	1.774		10.1	10.0	1.4	30.0
1,3-Butadiene	Ave	1.221	1.260		10.3	10.0	3.1	30.0
Bromomethane	Ave	1.856	1.796		9.68	10.0	-3.2	30.0
Chloroethane	Ave	1.145	0.9912		8.66	10.0	-13.4	30.0
Bromoethene	Ave	1.903	1.895		9.96	10.0	-0.4	30.0
Dichlorofluoromethane	Ave	3.963	4.176		10.5	10.0	5.4	30.0
Trichlorofluoromethane	Ave	5.863	6.133		10.5	10.0	4.6	30.0
Pentane	Ave	2.295	2.364		10.3	10.0	3.0	30.0
Ethanol	Ave	0.4615	0.3565		7.72	10.0	-22.8	30.0
Acrolein	Ave	0.5201	0.5290		10.2	10.0	1.7	30.0
1,1-Dichloroethene	Ave	2.621	2.793		10.7	10.0	6.6	30.0
Freon 113	Ave	3.128	3.211		10.3	10.0	2.6	30.0
Acetone	Ave	2.166	2.173		10.0	10.0	0.3	30.0
Iodomethane	Ave	5.681	5.346		9.41	10.0	-5.9	30.0
Carbon disulfide	Ave	5.347	5.715		10.7	10.0	6.9	30.0
Isopropanol	Ave	1.807	1.822		10.1	10.0	0.8	30.0
3-Chloroprene	Ave	2.777	2.706		9.74	10.0	-2.6	30.0
Acetonitrile	Ave	2.777	2.706		9.74	10.0	-2.6	30.0
Methylene Chloride	Ave	1.840	1.906		10.4	10.0	3.6	30.0
tert-Butyl alcohol	Ave	2.499	2.664		10.7	10.0	6.6	30.0
trans-1,2-Dichloroethene	Ave	2.419	2.618		10.8	10.0	8.2	30.0
Acrylonitrile	Ave	1.277	1.353		10.6	10.0	5.9	30.0
Methyl t-butyl ether	Ave	4.281	4.777		11.2	10.0	11.6	30.0
Hexane	Ave	1.245	1.311		10.5	10.0	5.3	30.0
1,1-Dichloroethane	Ave	3.287	3.395		10.3	10.0	3.3	30.0
Vinyl acetate	Ave	5.527	6.141		11.1	10.0	11.1	30.0
di-Isopropyl ether	Ave	4.385	4.816		11.0	10.0	9.8	30.0
Ethyl tert-butyl ether	Ave	4.119	4.429		10.8	10.0	7.5	30.0
cis-1,2-Dichloroethene	Ave	2.304	2.395		10.4	10.0	4.0	30.0
2-Butanone	Ave	2.359	2.573		10.9	10.0	9.1	30.0
Ethyl acetate	Ave	3.340	3.500		10.5	10.0	4.8	30.0
Methyl acrylate	Ave	2.502	2.738		10.9	10.0	9.4	30.0
Tetrahydrofuran	Ave	1.520	1.578		10.4	10.0	3.8	30.0
Chloroform	Ave	4.491	4.631		10.3	10.0	3.1	30.0
1,1,1-Trichloroethane	Ave	4.434	4.671		10.5	10.0	5.4	30.0
Cyclohexane	Ave	2.302	2.501		10.9	10.0	8.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-66301-1

SDG No.:

Lab Sample ID: CCVIS 410-206378/3 Calibration Date: 12/16/2021 19:42

Instrument ID: HP22820 Calib Start Date: 12/01/2021 01:45

GC Column: DB-624 30m ID: 0.25(mm) Calib End Date: 12/01/2021 04:27

Lab File ID: 5D16X02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	4.699	5.073		10.8	10.0	8.0	30.0
Benzene	Ave	1.436	1.403		9.77	10.0	-2.3	30.0
1,2-Dichloroethane	Ave	0.5970	0.6248		10.5	10.0	4.6	30.0
Isooctane	Ave	1.523	1.699		11.2	10.0	11.6	30.0
Tert-amyl methyl ether	Ave	0.9309	1.067		11.5	10.0	14.6	30.0
Heptane	Ave	0.4213	0.4595		10.9	10.0	9.0	30.0
Trichloroethene	Ave	0.7502	0.7431		9.90	10.0	-1.0	30.0
Ethyl acrylate	Ave	0.6625	0.7256		11.0	10.0	9.5	30.0
1,2-Dichloropropane	Ave	0.4746	0.4741		9.99	10.0	-0.0	30.0
Methyl methacrylate	Ave	0.3846	0.4231		11.0	10.0	10.0	30.0
1,4-Dioxane	Ave	0.2859	0.2955		10.3	10.0	3.3	30.0
Dibromomethane	Ave	0.7319	0.7460		10.2	10.0	1.9	30.0
Bromodichloromethane	Ave	1.034	1.084		10.5	10.0	4.9	30.0
cis-1,3-Dichloropropene	Ave	0.7140	0.7386		10.3	10.0	3.4	30.0
4-Methyl-2-pentanone	Ave	0.6393	0.7076		11.1	10.0	10.7	30.0
Toluene	Ave	1.584	1.603		10.1	10.0	1.2	30.0
Octane	Ave	0.7135	0.7610		10.7	10.0	6.6	30.0
trans-1,3-Dichloropropene	Ave	0.5844	0.6186		10.6	10.0	5.9	30.0
Ethyl methacrylate	Ave	0.5644	0.6374		11.3	10.0	12.9	30.0
1,1,2-Trichloroethane	Ave	0.6050	0.6003		9.92	10.0	-0.8	30.0
Tetrachloroethene	Ave	1.005	0.9773		9.73	10.0	-2.7	30.0
2-Hexanone	Ave	0.4965	0.5385		10.8	10.0	8.4	30.0
Dibromochloromethane	Ave	0.8368	0.8556		10.2	10.0	2.2	30.0
1,2-Dibromoethane	Ave	0.9369	0.9251		9.87	10.0	-1.3	30.0
Chlorobenzene	Ave	1.434	1.375		9.59	10.0	-4.1	30.0
1,1,1,2-Tetrachloroethane	Ave	0.8080	0.7867		9.74	10.0	-2.6	30.0
Ethylbenzene	Ave	1.870	1.992		10.7	10.0	6.5	30.0
m&p-Xylene	Ave	1.423	1.521		10.7	10.0	6.9	30.0
o-Xylene	Ave	1.366	1.478		10.8	10.0	8.2	30.0
Styrene	Ave	1.097	1.202		11.0	10.0	9.6	30.0
Bromoform	Ave	1.135	1.051		9.26	10.0	-7.4	30.0
Cumene	Ave	1.942	2.199		11.3	10.0	13.2	30.0
1,1,2,2-Tetrachloroethane	Ave	1.266	1.139		9.00	10.0	-10.0	30.0
Bromobenzene	Ave	0.9088	0.8606		9.47	10.0	-5.3	30.0
1,2,3-Trichloropropane	Ave	0.4244	0.3948		9.30	10.0	-7.0	30.0
N-Propylbenzene	Ave	0.6486	0.6756		10.4	10.0	4.2	30.0
2-Chlorotoluene	Ave	0.6228	0.6256		10.0	10.0	0.5	30.0
4-Ethyltoluene	Ave	2.049	2.361		11.5	10.0	15.2	30.0
1,3,5-Trimethylbenzene	Ave	1.762	1.900		10.8	10.0	7.8	30.0
Alpha Methyl Styrene	Ave	0.8017	0.8596		10.7	10.0	7.2	30.0
tert-Butylbenzene	Ave	1.694	1.943		11.5	10.0	14.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-66301-1

SDG No.:

Lab Sample ID: CCVIS 410-206378/3 Calibration Date: 12/16/2021 19:42

Instrument ID: HP22820 Calib Start Date: 12/01/2021 01:45

GC Column: DB-624 30m ID: 0.25(mm) Calib End Date: 12/01/2021 04:27

Lab File ID: 5D16X02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	1.617	1.954		12.1	10.0	20.9	30.0
sec-Butylbenzene	Ave	2.364	2.801		11.9	10.0	18.5	30.0
1,3-Dichlorobenzene	Ave	1.493	1.485		9.94	10.0	-0.6	30.0
p-Isopropyltoluene	Ave	2.040	2.448		12.0	10.0	20.0	30.0
1,4-Dichlorobenzene	Ave	1.494	1.473		9.86	10.0	-1.4	30.0
Benzyl chloride	Ave	0.2969	0.2902		9.77	10.0	-2.3	30.0
n-Butylbenzene	Ave	0.999	1.205		12.1	10.0	20.6	30.0
1,2-Dichlorobenzene	Ave	1.402	1.389		9.91	10.0	-0.9	30.0
Hexachloroethane	Ave	0.8079	0.7787		9.64	10.0	-3.6	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.7280	0.6914		9.50	10.0	-5.0	30.0
1,2,4-Trichlorobenzene	Ave	0.9630	1.024		10.6	10.0	6.3	30.0
Hexachlorobutadiene	Ave	0.9309	0.9032		9.70	10.0	-3.0	30.0
Naphthalene	Ave	1.572	2.475		15.7	10.0	57.4*	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X02.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Dec-2021 19:42:01 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 410-0046560-003
Operator ID: etp33087 Instrument ID: HP22820
Sublist: chrom-AirMS_TO15_HP22820*sub1

Method: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 17-Dec-2021 21:47:00 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1636

First Level Reviewer: proctore Date: 16-Dec-2021 20:13:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	1.645	1.645	0.000	99	263392	10.0	9.39	
2 Dichlorodifluoromethane	85	1.681	1.681	0.000	99	1386783	10.0	10.7	
3 Chlorodifluoromethane	51	1.703	1.703	0.000	96	621963	10.0	10.2	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.810	1.810	0.000	95	1431248	10.0	10.3	
5 Chloromethane	50	1.875	1.875	0.000	99	243796	10.0	8.04	
6 Vinyl chloride	62	2.004	2.004	0.000	98	433330	10.0	10.1	
7 Butadiene	54	2.039	2.039	0.000	89	307679	10.0	10.3	
8 Bromomethane	94	2.383	2.383	0.000	90	438670	10.0	9.68	
9 Chloroethane	64	2.505	2.505	0.000	99	242136	10.0	8.66	
10 Vinyl bromide	106	2.727	2.727	0.000	99	462957	10.0	9.96	
11 Dichlorofluoromethane	67	2.763	2.763	0.000	97	1020229	10.0	10.5	
12 Trichlorofluoromethane	101	2.799	2.799	0.000	98	1498178	10.0	10.5	
13 Pentane	43	2.906	2.906	0.000	95	577392	10.0	10.3	
14 Ethanol	45	3.114	3.114	0.000	99	87084	10.0	7.72	
15 Acrolein	56	3.364	3.364	0.000	99	129225	10.0	10.2	
16 1,1-Dichloroethene	61	3.450	3.450	0.000	95	682386	10.0	10.7	
17 112TCTFE	103	3.465	3.465	0.000	91	784309	10.0	10.3	
18 Acetone	43	3.551	3.551	0.000	99	530818	10.0	10.0	
19 Iodomethane	142	3.622	3.622	0.000	99	1305895	10.0	9.41	
20 Carbon disulfide	76	3.680	3.680	0.000	98	1396011	10.0	10.7	
21 Isopropyl alcohol	45	3.737	3.737	0.000	96	445177	10.0	10.1	
22 3-Chloro-1-propene	41	3.887	3.887	0.000	94	661109	10.0	9.74	a
23 Acetonitrile	41	3.887	3.887	0.000	86	661109	10.0	9.74	
24 Methylene Chloride	84	4.031	4.031	0.000	84	465543	10.0	10.4	
25 2-Methyl-2-propanol	59	4.174	4.174	0.000	96	650694	10.0	10.7	
26 trans-1,2-Dichloroethene	61	4.303	4.303	0.000	95	639547	10.0	10.8	
27 Methyl tert-butyl ether	73	4.310	4.310	0.000	94	1166871	10.0	11.2	
28 Acrylonitrile	53	4.310	4.310	0.000	98	330479	10.0	10.6	
29 Hexane	56	4.561	4.561	0.000	90	320257	10.0	10.5	
30 1,1-Dichloroethane	63	4.725	4.725	0.000	96	829246	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Vinyl acetate	43	4.783	4.783	0.000	98	1500115	10.0	11.1	
31 Isopropyl ether	45	4.790	4.790	0.000	84	1176361	10.0	11.0	
33 Tert-butyl ethyl ether	59	5.119	5.119	0.000	95	1081825	10.0	10.8	
34 cis-1,2-Dichloroethene	61	5.256	5.256	0.000	75	585048	10.0	10.4	
35 2-Butanone (MEK)	43	5.277	5.277	0.000	99	628556	10.0	10.9	M
36 Ethyl acetate	43	5.327	5.327	0.000	97	855060	10.0	10.5	
37 Methyl acrylate	55	5.356	5.356	0.000	99	668930	10.0	10.9	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	85	244285	10.0	10.0	
39 Tetrahydrofuran	42	5.499	5.499	0.000	82	385548	10.0	10.4	
40 Chloroform	83	5.528	5.528	0.000	92	1131223	10.0	10.3	
41 1,1,1-Trichloroethane	97	5.671	5.671	0.000	97	1141044	10.0	10.5	
42 Cyclohexane	56	5.707	5.707	0.000	88	610946	10.0	10.9	
43 Carbon tetrachloride	117	5.807	5.807	0.000	96	1239319	10.0	10.8	
44 Benzene	78	5.979	5.979	0.000	94	1516496	10.0	9.77	
45 1,2-Dichloroethane	62	6.000	6.000	0.000	98	675136	10.0	10.5	
46 Isooctane	57	6.029	6.029	0.000	95	1835459	10.0	11.2	
47 Tert-amyl methyl ether	73	6.058	6.058	0.000	96	1152744	10.0	11.5	
48 n-Heptane	71	6.165	6.165	0.000	85	496476	10.0	10.9	
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	93	1080584	10.0	10.0	
50 Trichloroethene	130	6.480	6.480	0.000	96	802935	10.0	9.90	
51 Ethyl acrylate	55	6.559	6.559	0.000	99	784037	10.0	11.0	
52 1,2-Dichloropropane	63	6.659	6.659	0.000	96	512318	10.0	10.0	
53 Methyl methacrylate	69	6.738	6.738	0.000	83	457245	10.0	11.0	
54 Dibromomethane	174	6.760	6.760	0.000	95	806136	10.0	10.2	
55 1,4-Dioxane	88	6.760	6.760	0.000	87	319283	10.0	10.3	
56 Dichlorobromomethane	83	6.867	6.867	0.000	99	1171794	10.0	10.5	
57 cis-1,3-Dichloropropene	75	7.204	7.204	0.000	97	798112	10.0	10.3	
58 4-Methyl-2-pentanone (MIBK)	43	7.311	7.311	0.000	94	764629	10.0	11.1	M
59 Toluene	91	7.447	7.447	0.000	99	1893130	10.0	10.1	
60 n-Octane	43	7.505	7.505	0.000	76	898557	10.0	10.7	
61 trans-1,3-Dichloropropene	75	7.612	7.612	0.000	89	730405	10.0	10.6	
62 Ethyl methacrylate	69	7.662	7.662	0.000	87	752620	10.0	11.3	
63 1,1,2-Trichloroethane	97	7.755	7.755	0.000	90	708902	10.0	9.92	
64 Tetrachloroethene	166	7.856	7.856	0.000	98	1153993	10.0	9.73	
65 2-Hexanone	43	7.927	7.927	0.000	94	635866	10.0	10.8	
66 Chlorodibromomethane	127	8.056	8.056	0.000	89	1010296	10.0	10.2	
67 Ethylene Dibromide	107	8.149	8.149	0.000	98	1092337	10.0	9.87	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	82	1180827	10.0	10.0	
69 Chlorobenzene	112	8.500	8.500	0.000	98	1623732	10.0	9.59	
70 1,1,1,2-Tetrachloroethane	131	8.558	8.558	0.000	95	928993	10.0	9.74	
71 Ethylbenzene	91	8.565	8.565	0.000	98	2352527	10.0	10.7	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	98	1796313	10.0	10.7	
73 o-Xylene	91	8.952	8.952	0.000	95	1745513	10.0	10.8	
74 Styrene	104	8.966	8.966	0.000	94	1419536	10.0	11.0	
75 Bromoform	173	9.124	9.124	0.000	98	1240597	10.0	9.26	
76 Isopropylbenzene	105	9.224	9.224	0.000	95	2596761	10.0	11.3	
77 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	95	1345079	10.0	9.00	M
78 Bromobenzene	156	9.475	9.475	0.000	87	1016185	10.0	9.47	
79 1,2,3-Trichloropropane	110	9.496	9.496	0.000	81	466241	10.0	9.30	
80 N-Propylbenzene	120	9.532	9.532	0.000	98	797715	10.0	10.4	
82 2-Chlorotoluene	126	9.611	9.611	0.000	96	738778	10.0	10.0	
81 4-Ethyltoluene	105	9.618	9.618	0.000	97	2787745	10.0	11.5	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 1,3,5-Trimethylbenzene	105	9.661	9.661	0.000	95	2243192	10.0	10.8	Ma
84 Alpha Methyl Styrene	118	9.833	9.833	0.000	89	1015000	10.0	10.7	
85 tert-Butylbenzene	119	9.911	9.911	0.000	90	2293845	10.0	11.5	M
86 1,2,4-Trimethylbenzene	105	9.947	9.947	0.000	96	2307819	10.0	12.1	
87 sec-Butylbenzene	105	10.076	10.076	0.000	93	3308040	10.0	11.9	
89 4-Isopropyltoluene	119	10.177	10.177	0.000	96	2890086	10.0	12.0	
88 1,3-Dichlorobenzene	146	10.177	10.177	0.000	75	1753151	10.0	9.94	
90 1,4-Dichlorobenzene	146	10.241	10.241	0.000	96	1739546	10.0	9.86	
91 Benzyl chloride	126	10.348	10.348	0.000	97	342686	10.0	9.77	
92 n-Butylbenzene	92	10.492	10.492	0.000	97	1422637	10.0	12.1	
93 1,2-Dichlorobenzene	146	10.535	10.535	0.000	99	1639998	10.0	9.91	
94 Hexachloroethane	117	10.721	10.721	0.000	94	919496	10.0	9.64	
95 1,2-Dibromo-3-Chloropropane	157	11.129	11.129	0.000	92	816390	10.0	9.50	
96 1,2,4-Trichlorobenzene	180	11.752	11.752	0.000	94	1209063	10.0	10.6	
97 Hexachlorobutadiene	225	11.867	11.867	0.000	98	1066557	10.0	9.70	
98 Naphthalene	128	11.953	11.953	0.000	96	2922740	10.0	15.7	
S 101 1,2-Dichloroethene, Total	61				0	1224595	20.0	21.2	
S 102 1,3-Dichloropropene, Total	75				0	1528517	20.0	20.9	
S 104 Xylenes, Total	91				0	3541826	20.0	21.5	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRCAL10.0_00160	Amount Added: 200.00	Units: mL	
AIRIS200 ppb_00087	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 17-Dec-2021 21:47:00 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X02.D

Injection Date: 16-Dec-2021 19:42:01 Instrument ID: HP22820

Lims ID: CCVIS

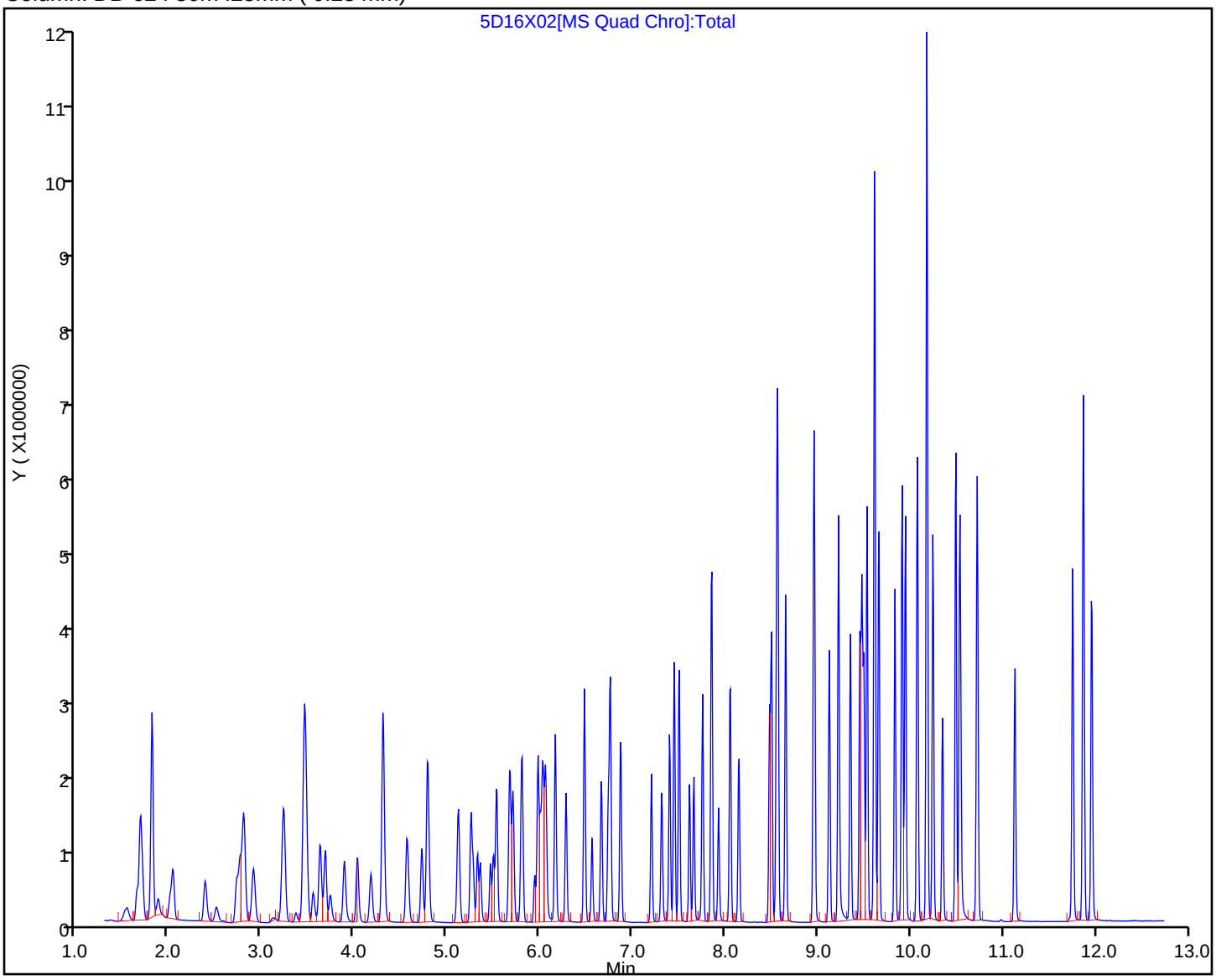
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 3

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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

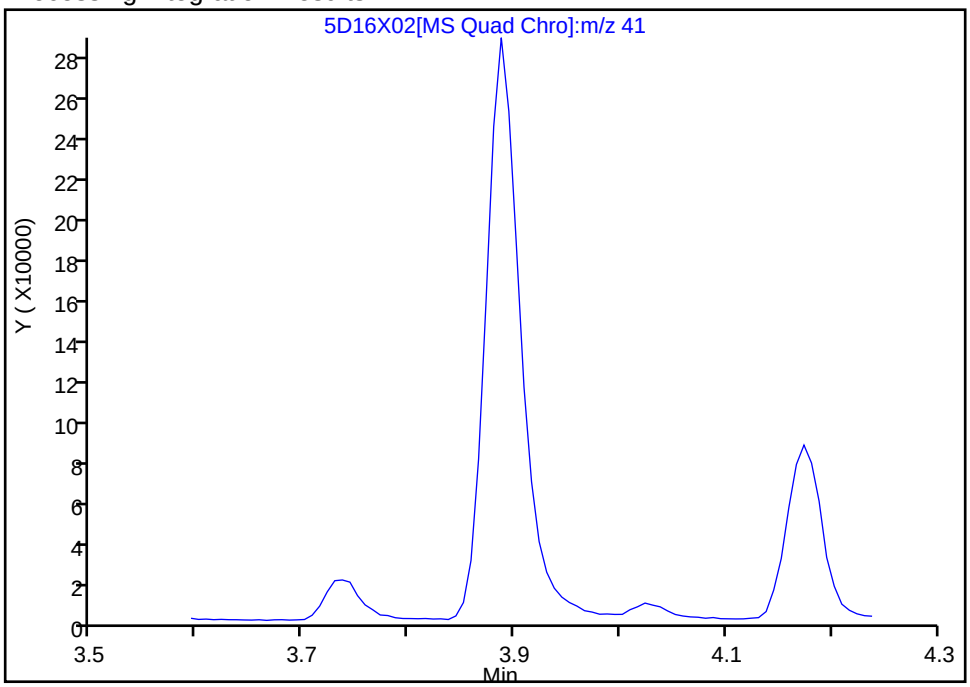
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X02.D				
Injection Date:	16-Dec-2021 19:42:01	Instrument ID:	HP22820		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

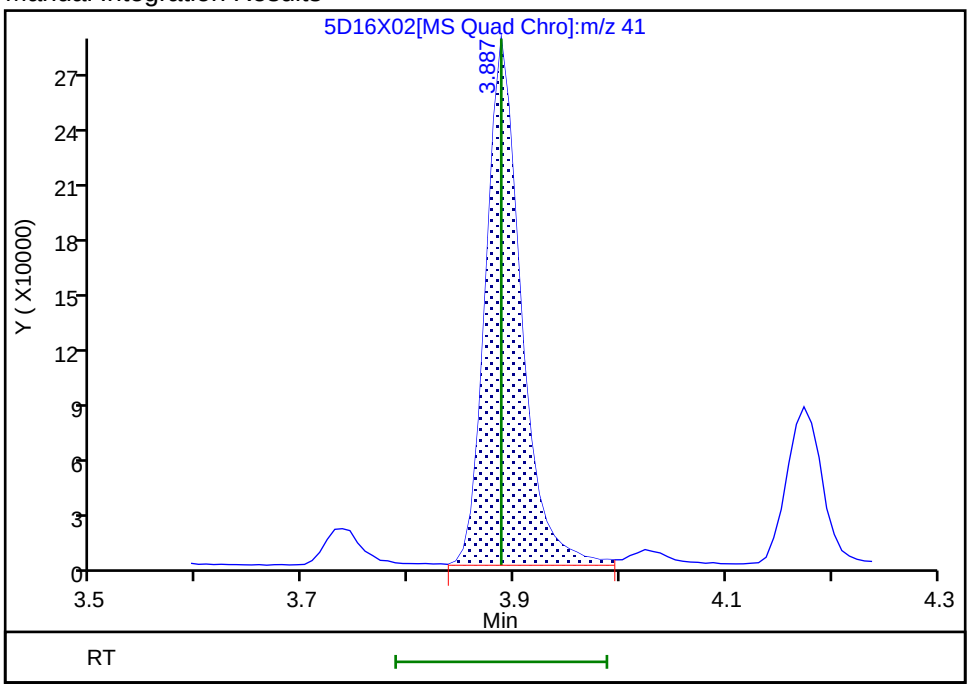
Not Detected
Expected RT: 3.89

Processing Integration Results



Manual Integration Results

RT: 3.89
Area: 661109
Amount: 9.744884
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 20:02:38
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

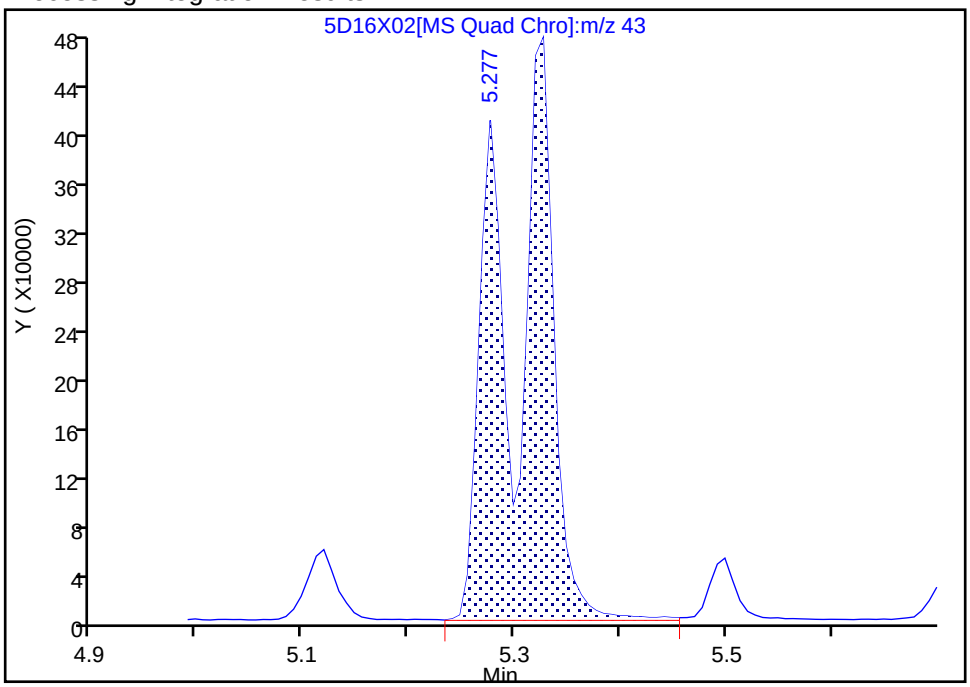
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X02.D				
Injection Date:	16-Dec-2021 19:42:01	Instrument ID:	HP22820		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

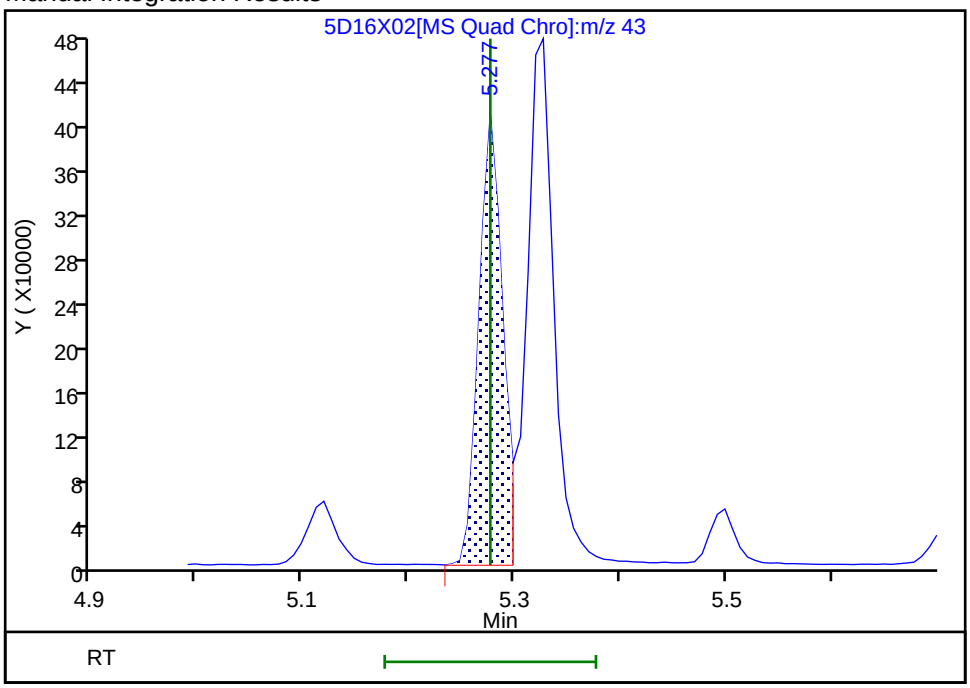
Processing Integration Results

RT: 5.28
Area: 1483616
Amount: 25.749251
Amount Units: ppb v/v



Manual Integration Results

RT: 5.28
Area: 628556
Amount: 10.909053
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 20:02:52

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

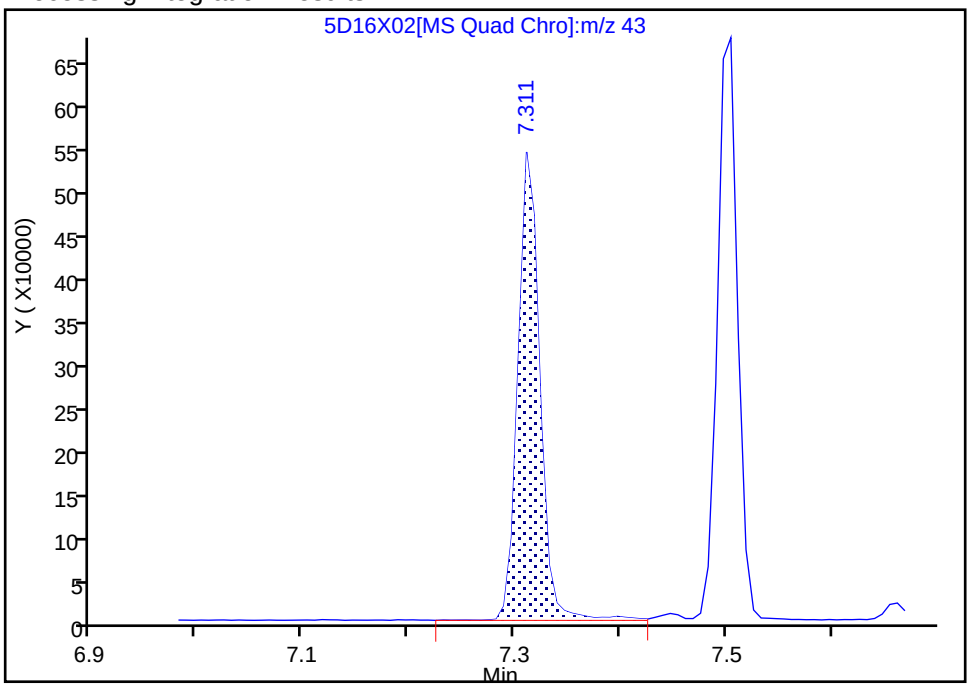
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X02.D				
Injection Date:	16-Dec-2021 19:42:01	Instrument ID:	HP22820		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

58 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

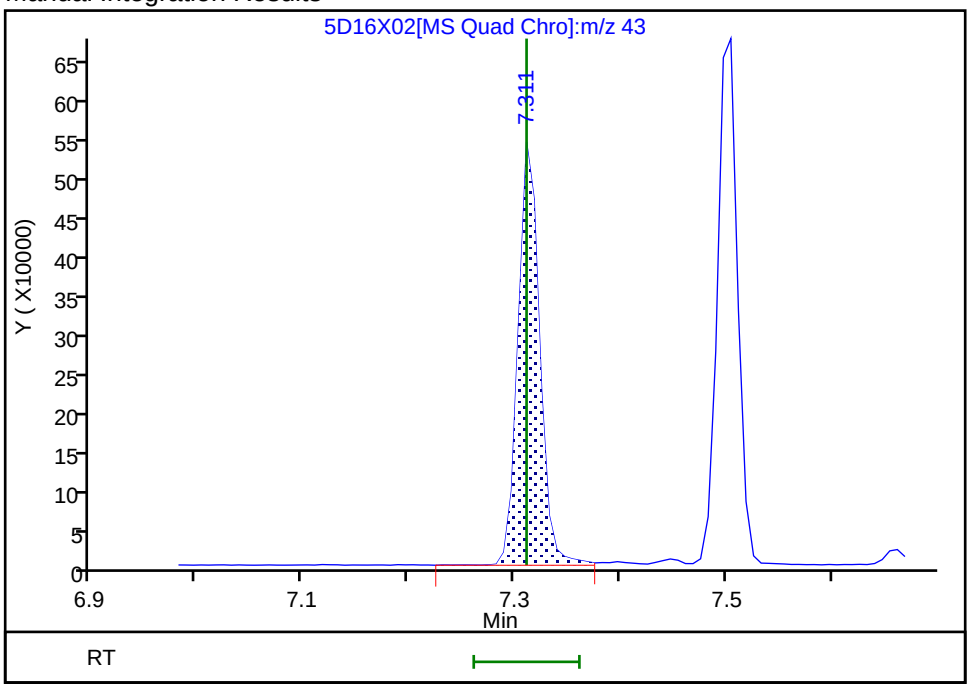
Processing Integration Results

RT: 7.31
Area: 773859
Amount: 11.202126
Amount Units: ppb v/v



Manual Integration Results

RT: 7.31
Area: 764629
Amount: 11.068515
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 20:03:08

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

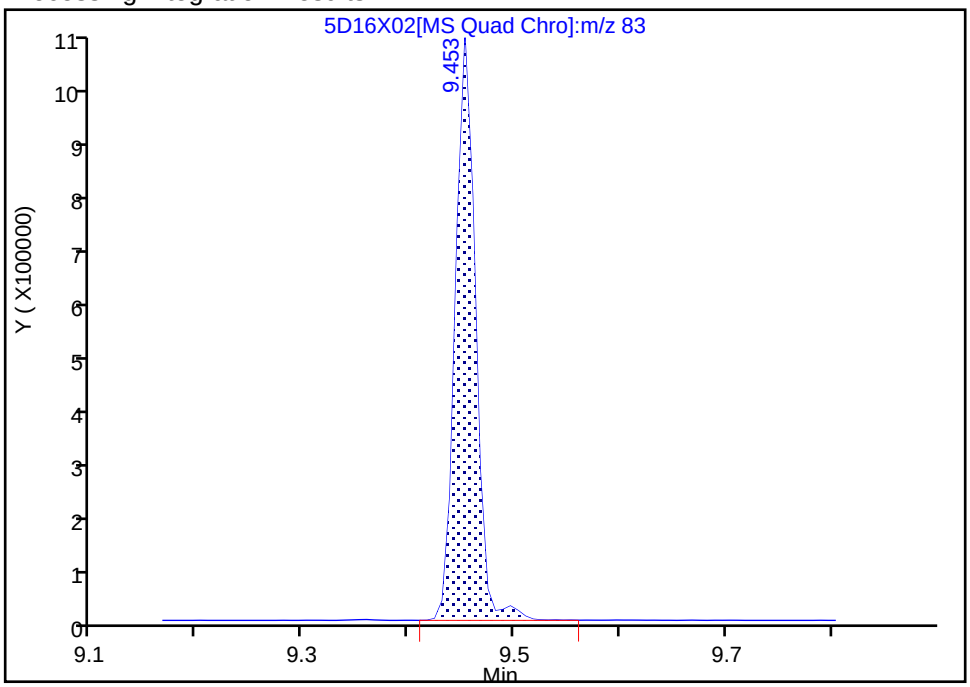
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X02.D				
Injection Date:	16-Dec-2021 19:42:01	Instrument ID:	HP22820		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

77 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

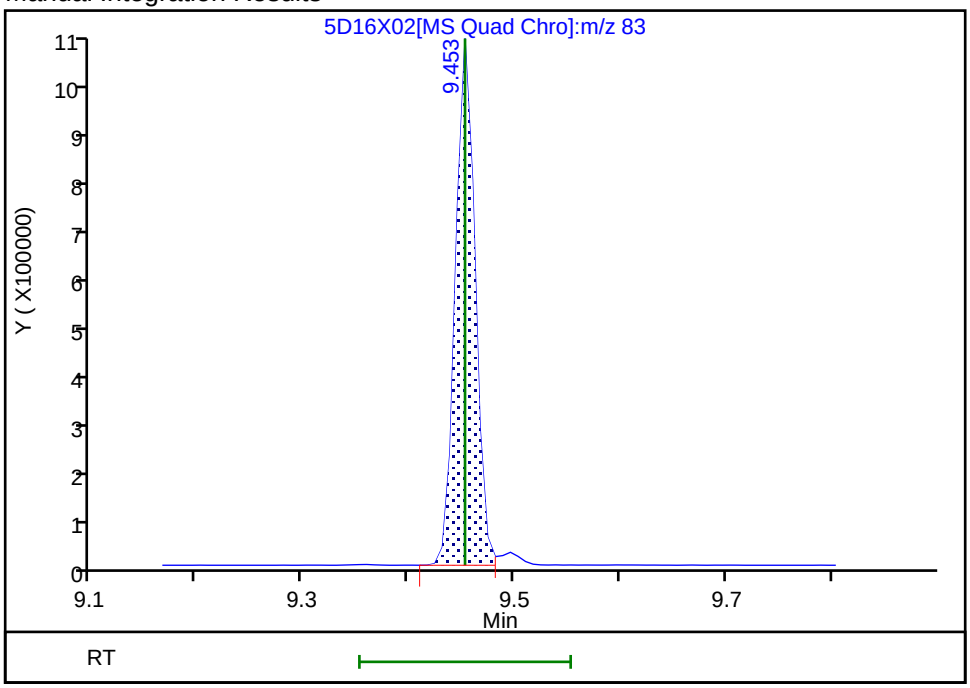
Processing Integration Results

RT: 9.45
Area: 1381050
Amount: 9.236353
Amount Units: ppb v/v



Manual Integration Results

RT: 9.45
Area: 1345079
Amount: 8.995782
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 20:03:25
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

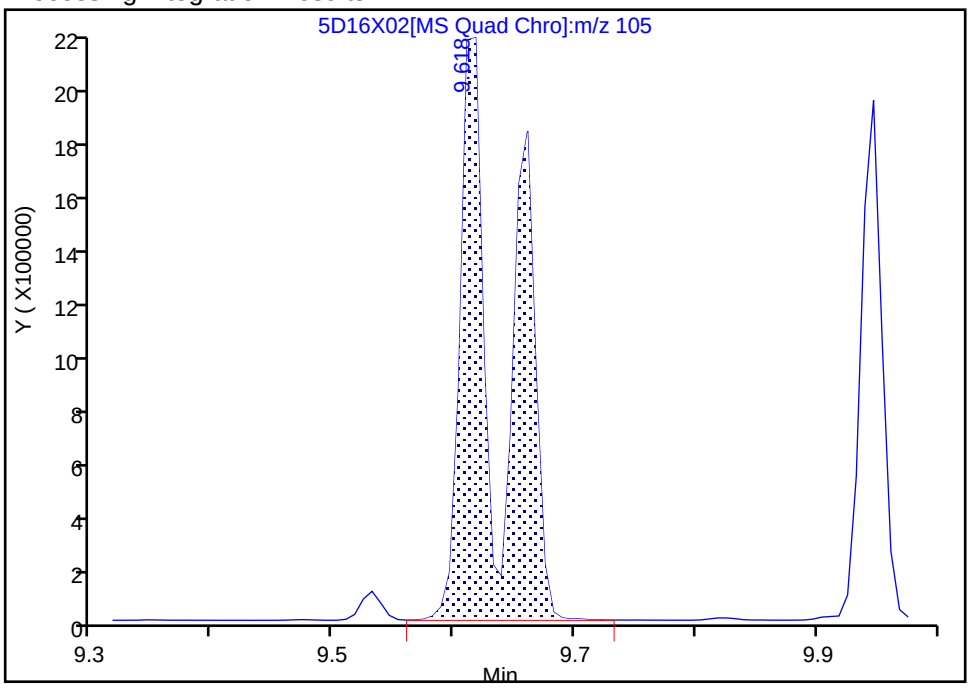
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X02.D				
Injection Date:	16-Dec-2021 19:42:01	Instrument ID:	HP22820		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

81 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

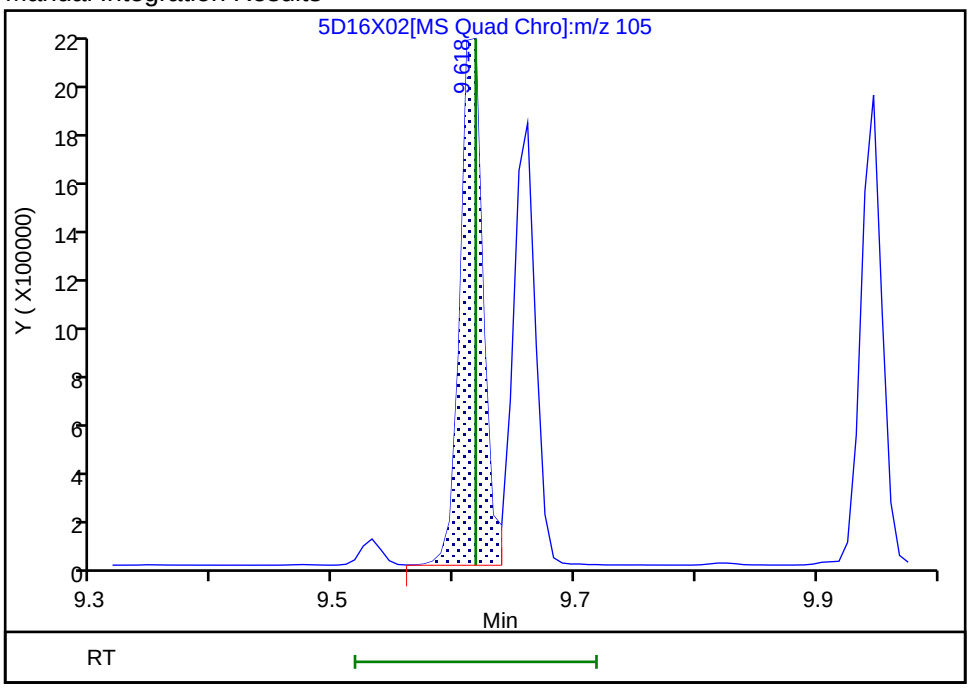
Processing Integration Results

RT: 9.62
Area: 5030937
Amount: 20.791976
Amount Units: ppb v/v



Manual Integration Results

RT: 9.62
Area: 2787745
Amount: 11.521259
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 20:03:32
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

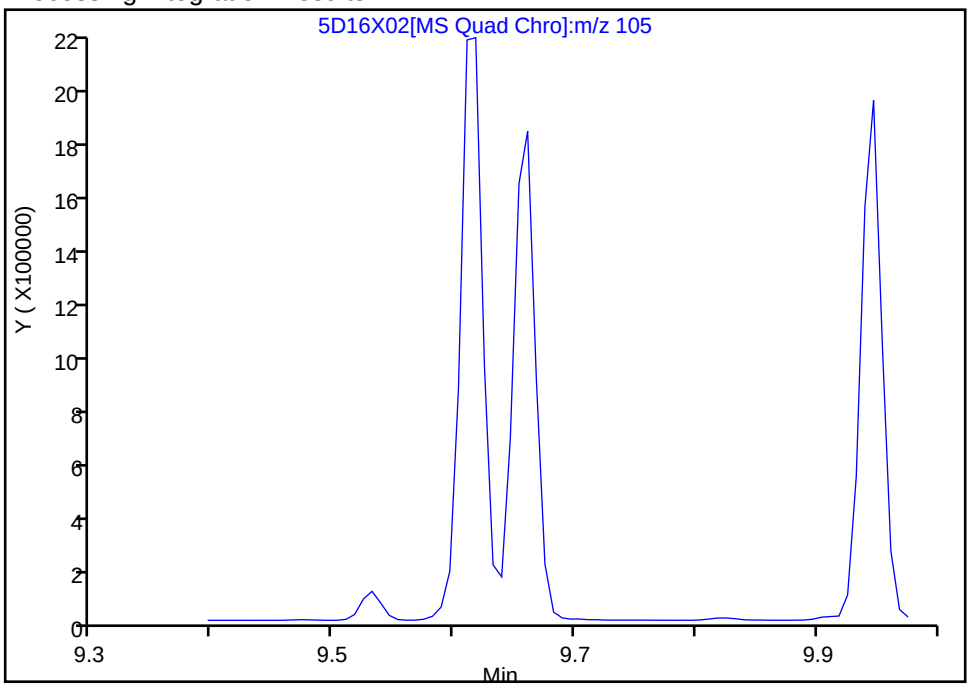
Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X02.D
Injection Date: 16-Dec-2021 19:42:01 Instrument ID: HP22820
Lims ID: CCVIS
Client ID:
Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Column: DB-624 30m .25mm (0.25 mm) Detector MS Quad

83 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

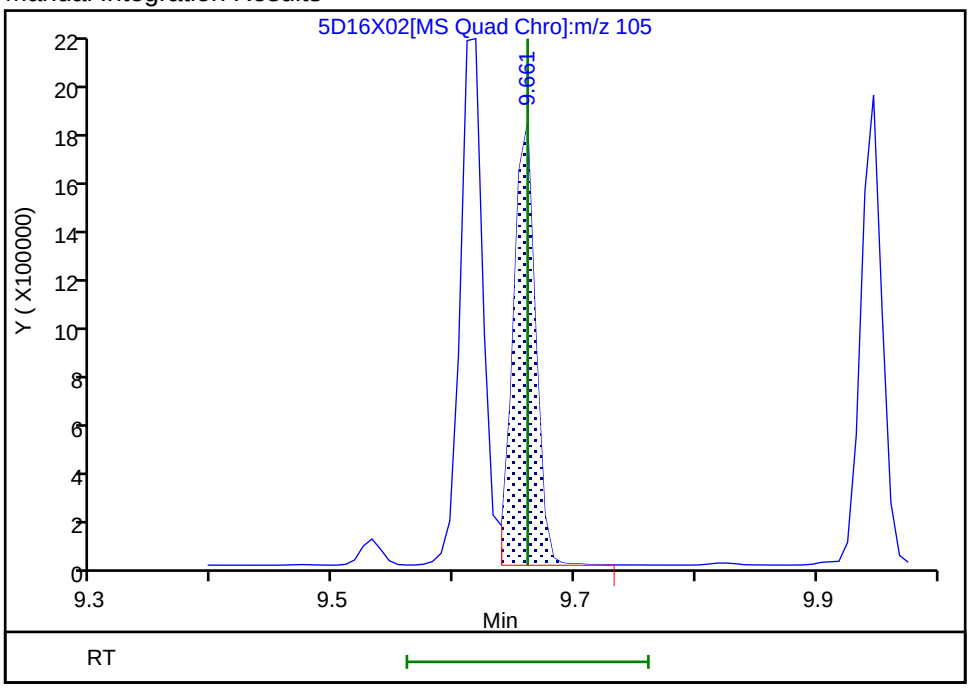
Not Detected
Expected RT: 9.66

Processing Integration Results



Manual Integration Results

RT: 9.66
Area: 2243192
Amount: 10.784070
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 20:03:42
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

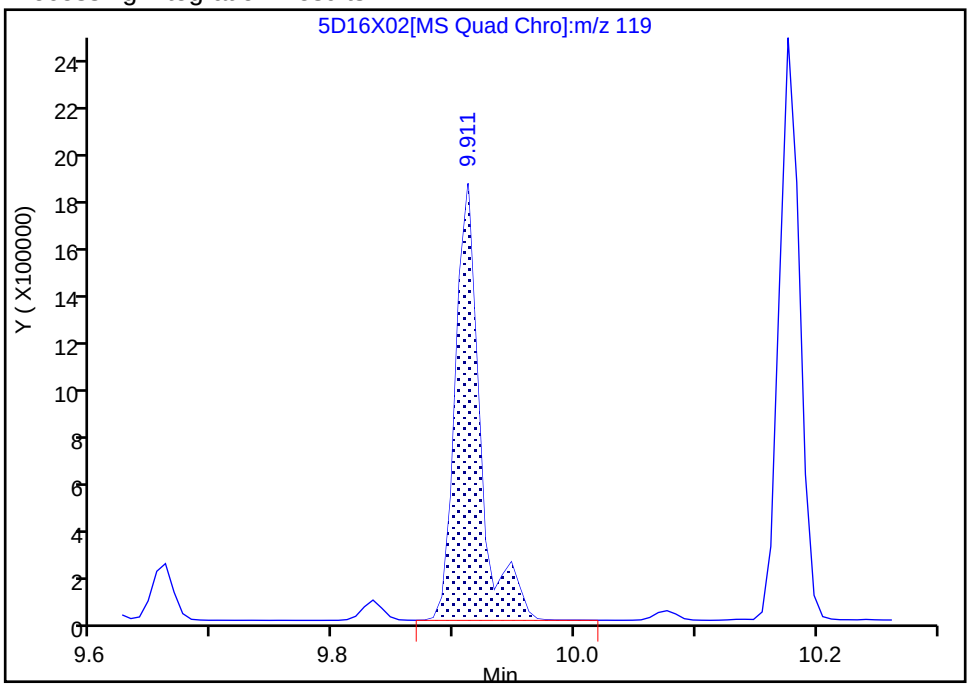
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X02.D				
Injection Date:	16-Dec-2021 19:42:01	Instrument ID:	HP22820		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

85 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

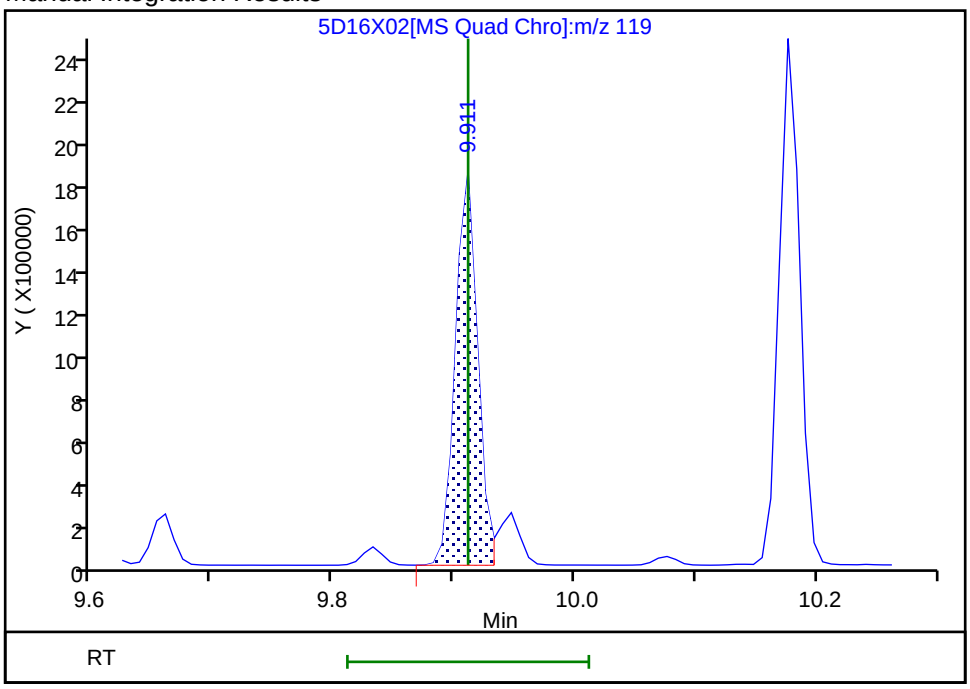
Processing Integration Results

RT: 9.91
Area: 2583955
Amount: 12.916022
Amount Units: ppb v/v



Manual Integration Results

RT: 9.91
Area: 2293845
Amount: 11.465893
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 20:03:49
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30T31.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 01-Dec-2021 00:34:31 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 410-0045222-001
Operator ID: etp33087 Instrument ID: HP22820

Method: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 01-Dec-2021 17:44:00 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1629

First Level Reviewer: proctore Date: 01-Dec-2021 01:00:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	83	1078255	10.0	10.0	s
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	93	4556990	10.0	10.0	s
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	83	5537314	10.0	10.0	s
$ 110 BFB									

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Reagents:

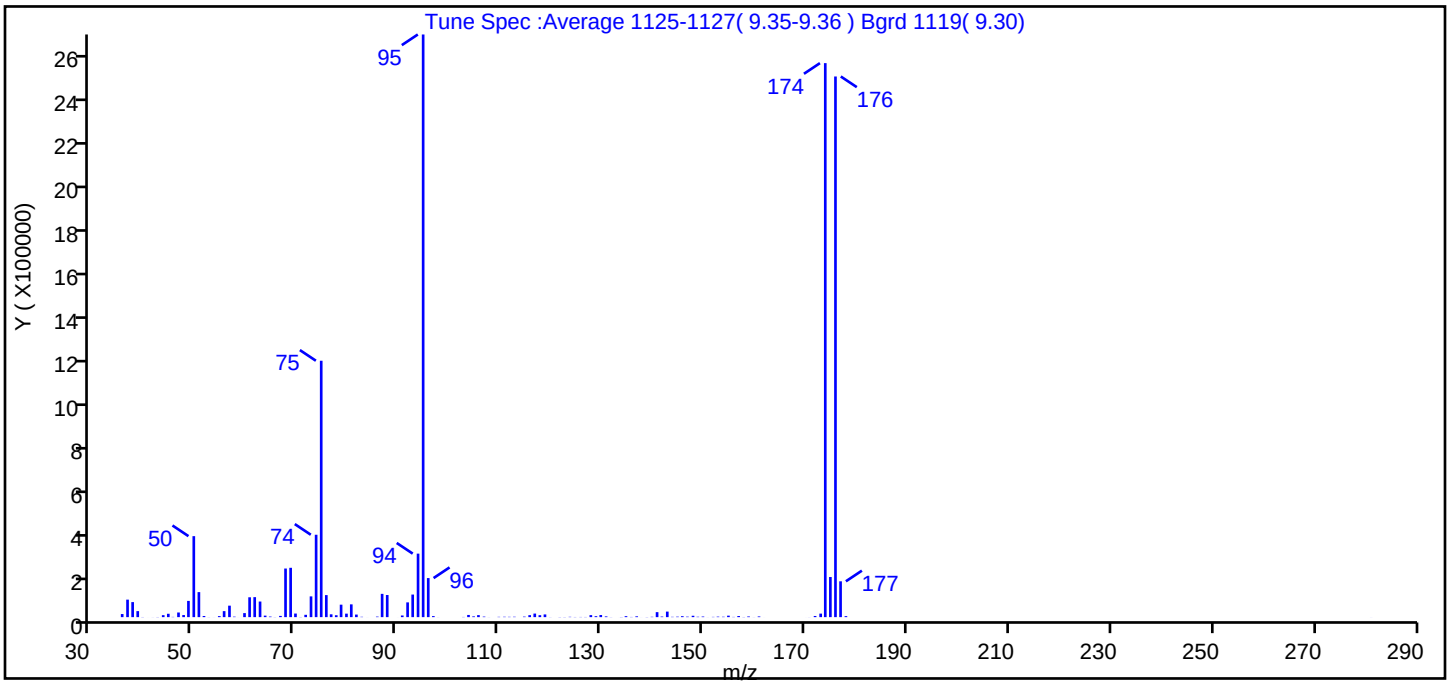
AIRBFB100ppb_00018 Amount Added: 20.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30T31.D				
Injection Date:	01-Dec-2021 00:34:31	Instrument ID:	HP22820		
Lims ID:	BFB				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	200.0 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Tune Method:	BFB Method TO-15				

$ 110 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	13.9
75	30.0 to 66.0 Percent of m/e 95	44.0
96	5.0 to 9.0 Percent of m/e 95	6.7
173	Less than 2.0 Percent of m/e 174	0.6 (0.6)
174	50.0 to 120.0 Percent of m/e 95	95.1
175	4.0 to 9.0 Percent of m/e 174	6.9 (7.2)
176	93.0 to 101.0 Percent of m/e 174	92.8 (97.6)
177	5.0 to 9.0 Percent of m/e 176	6.1 (6.6)

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30T31.D\AirMS_TO15_HP22820.rslt\spe
Injection Date: 01-Dec-2021 00:34:31
Spectrum: Tune Spec :Average 1125-1127(9.35-9.36) Bgrd 1119(9.30)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 128

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	13925	68.00	218048	106.00	9079	141.00	22400
37.00	78504	69.00	221312	107.00	2410	142.00	2639
38.00	67440	70.00	16119	108.00	251	143.00	24848
39.00	27024	71.00	687	110.00	1377	144.00	1410
40.00	667	72.00	10473	111.00	1713	145.00	2154
41.00	85	73.00	93120	112.00	1448	146.00	4209
42.00	237	74.00	369536	113.00	1772	147.00	2206
43.00	674	75.00	1149952	115.00	2376	148.00	6156
44.00	8888	76.00	98872	116.00	8895	149.00	1733
45.00	15128	77.00	12700	117.00	15990	150.00	2681
46.00	1055	78.00	8590	118.00	8746	151.00	187
47.00	20800	79.00	55928	119.00	12177	152.00	1159
48.00	9392	80.00	15700	120.00	386	153.00	2290
49.00	72824	81.00	57352	122.00	653	154.00	1760
50.00	363264	82.00	11535	123.00	626	155.00	6667
51.00	112224	83.00	1509	124.00	1468	156.00	996
52.00	5064	84.00	128	125.00	729	157.00	4967
53.00	373	86.00	2425	126.00	849	158.00	670
54.00	146	87.00	104448	127.00	768	159.00	3021
55.00	4519	88.00	99232	128.00	8999	160.00	271
56.00	26984	90.00	76	129.00	4246	161.00	3117
57.00	51488	91.00	7405	130.00	9504	162.00	70
58.00	2185	92.00	66216	131.00	3291	170.00	78
59.00	115	93.00	101320	132.00	408	171.00	261
60.00	18128	94.00	284864	134.00	136	172.00	5214
61.00	89096	95.00	2613248	134.00	607	173.00	15831
62.00	89720	96.00	175232	135.00	4352	174.00	2484736
63.00	70008	97.00	4619	136.00	863	175.00	179968
64.00	6789	98.00	245	137.00	3686	176.00	2424832
65.00	2546	103.00	847	138.00	126	177.00	160704
66.00	466	104.00	9840	139.00	580	178.00	4483
67.00	5533	105.00	3404	140.00	1557	281.00	155

Report Date: 01-Dec-2021 17:44:00 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30T31.D

Injection Date: 01-Dec-2021 00:34:31 Instrument ID: HP22820

Lims ID: BFB

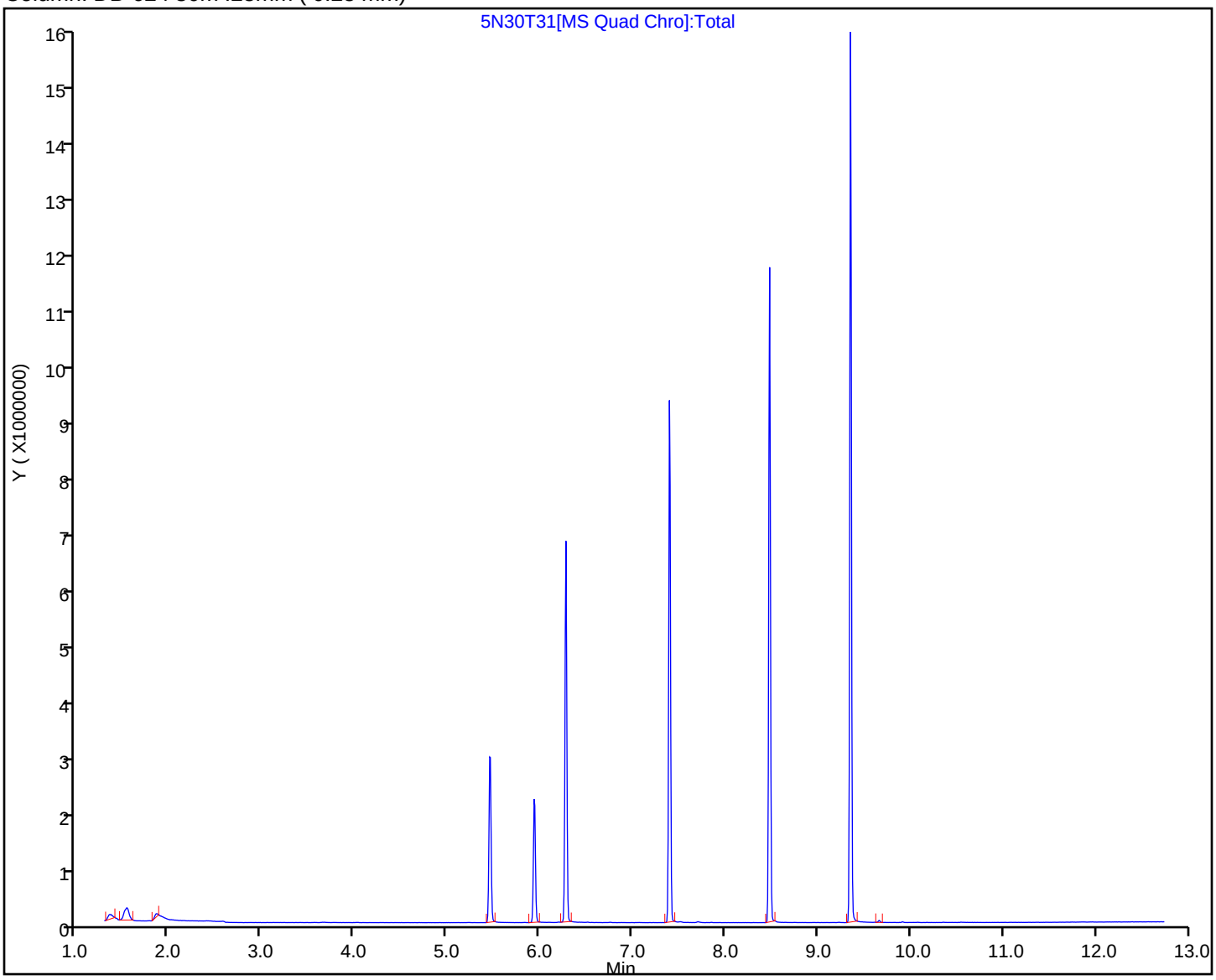
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 1

Injection Vol: 200.0 mL Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15

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



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 01-Dec-2021 18:55:11 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 410-0045310-001
Operator ID: etp33087 Instrument ID: HP22820

Method: \\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 02-Dec-2021 02:09:18 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1629

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	83	990420	10.0	10.0	s
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	93	4123278	10.0	10.0	s
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	83	5000271	10.0	10.0	s
$ 110 BFB									

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Reagents:

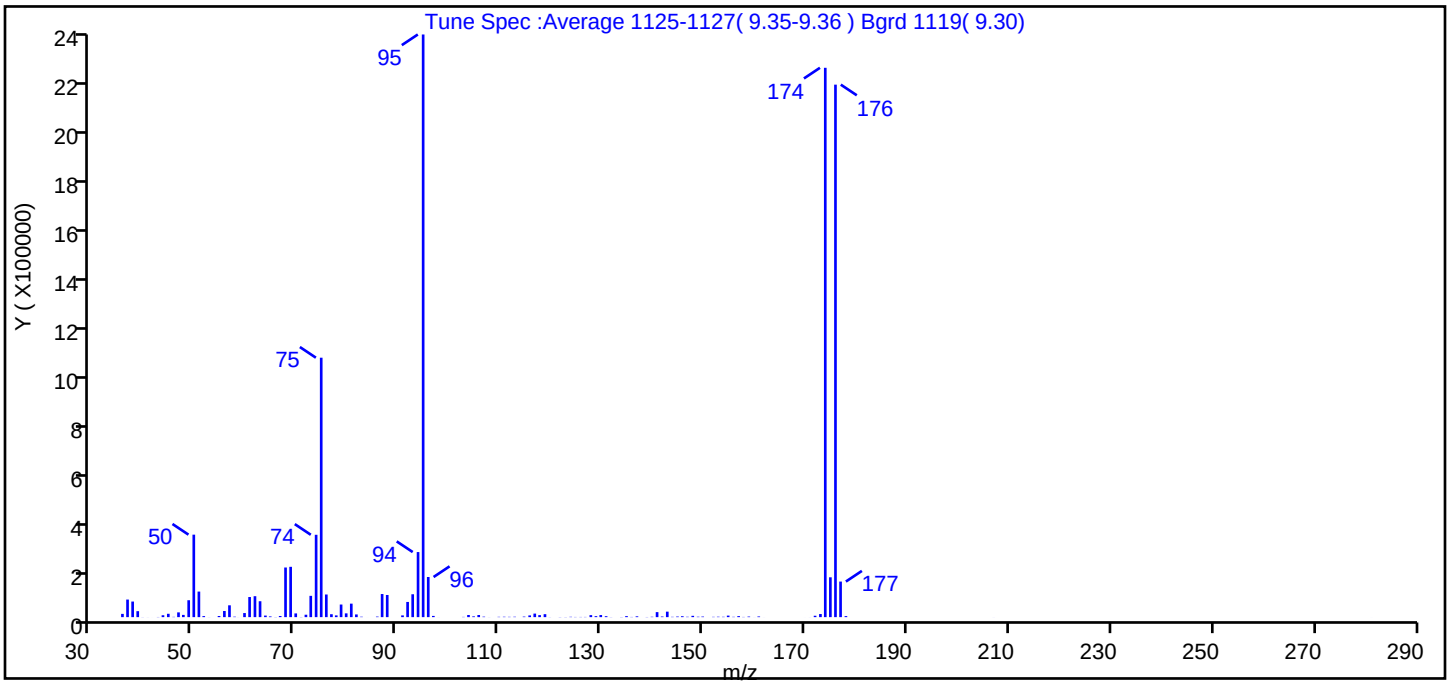
AIRBFB100ppb_00018 Amount Added: 20.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01T01.D
Injection Date: 01-Dec-2021 18:55:11 Instrument ID: HP22820
Lims ID: BFB
Client ID:
Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Tune Method: BFB Method TO-15

$ 110 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	14.2
75	30.0 to 66.0 Percent of m/e 95	44.5
96	5.0 to 9.0 Percent of m/e 95	6.9
173	Less than 2.0 Percent of m/e 174	0.5 (0.6)
174	50.0 to 120.0 Percent of m/e 95	94.3
175	4.0 to 9.0 Percent of m/e 174	6.8 (7.3)
176	93.0 to 101.0 Percent of m/e 174	91.4 (96.9)
177	5.0 to 9.0 Percent of m/e 176	6.1 (6.7)

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01T01.D\AirMS_TO15_HP22820.rslt\spe
Injection Date: 01-Dec-2021 18:55:11
Spectrum: Tune Spec :Average 1125-1127(9.35-9.36) Bgrd 1119(9.30)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 125

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	13396	69.00	206464	108.00	206	145.00	2455
37.00	72152	70.00	15299	110.00	1307	146.00	3685
38.00	63984	71.00	617	111.00	1629	147.00	1539
39.00	24528	72.00	9942	112.00	1295	148.00	5387
40.00	345	73.00	87376	113.00	1666	149.00	1714
41.00	179	74.00	337920	115.00	2248	150.00	2360
42.00	63	75.00	1064448	116.00	7068	151.00	52
43.00	668	76.00	92920	117.00	14518	152.00	1255
44.00	7800	77.00	11989	118.00	8260	153.00	1748
45.00	13800	78.00	7218	119.00	12214	154.00	1428
46.00	1132	79.00	51768	120.00	335	155.00	6313
47.00	19512	80.00	15519	122.00	551	156.00	1302
48.00	9198	81.00	55376	123.00	521	157.00	4190
49.00	69376	82.00	11098	124.00	1386	158.00	829
50.00	338432	83.00	1731	125.00	785	159.00	2381
51.00	104928	84.00	59	126.00	814	160.00	132
52.00	4252	86.00	2277	127.00	830	161.00	2759
53.00	258	87.00	94840	128.00	8235	162.00	99
55.00	4610	88.00	90904	129.00	4059	170.00	55
56.00	25192	91.00	7151	130.00	8612	171.00	160
57.00	48560	92.00	62328	131.00	3840	172.00	5720
58.00	1921	93.00	93880	132.00	432	173.00	12763
59.00	163	94.00	267008	134.00	585	174.00	2253824
60.00	16792	95.00	2390528	135.00	4172	175.00	163456
61.00	82560	96.00	164672	136.00	811	176.00	2184704
62.00	85968	97.00	5025	137.00	3359	177.00	145984
63.00	65280	98.00	134	139.00	633	178.00	4263
64.00	6448	103.00	984	140.00	1570	207.00	121
65.00	2921	104.00	8824	141.00	20608	281.00	63
66.00	561	105.00	3180	142.00	2558		
67.00	4655	106.00	8738	143.00	22512		
68.00	203648	107.00	1999	144.00	1295		

Report Date: 02-Dec-2021 02:09:18 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211201-45310.b\5D01T01.D

Injection Date: 01-Dec-2021 18:55:11 Instrument ID: HP22820

Lims ID: BFB

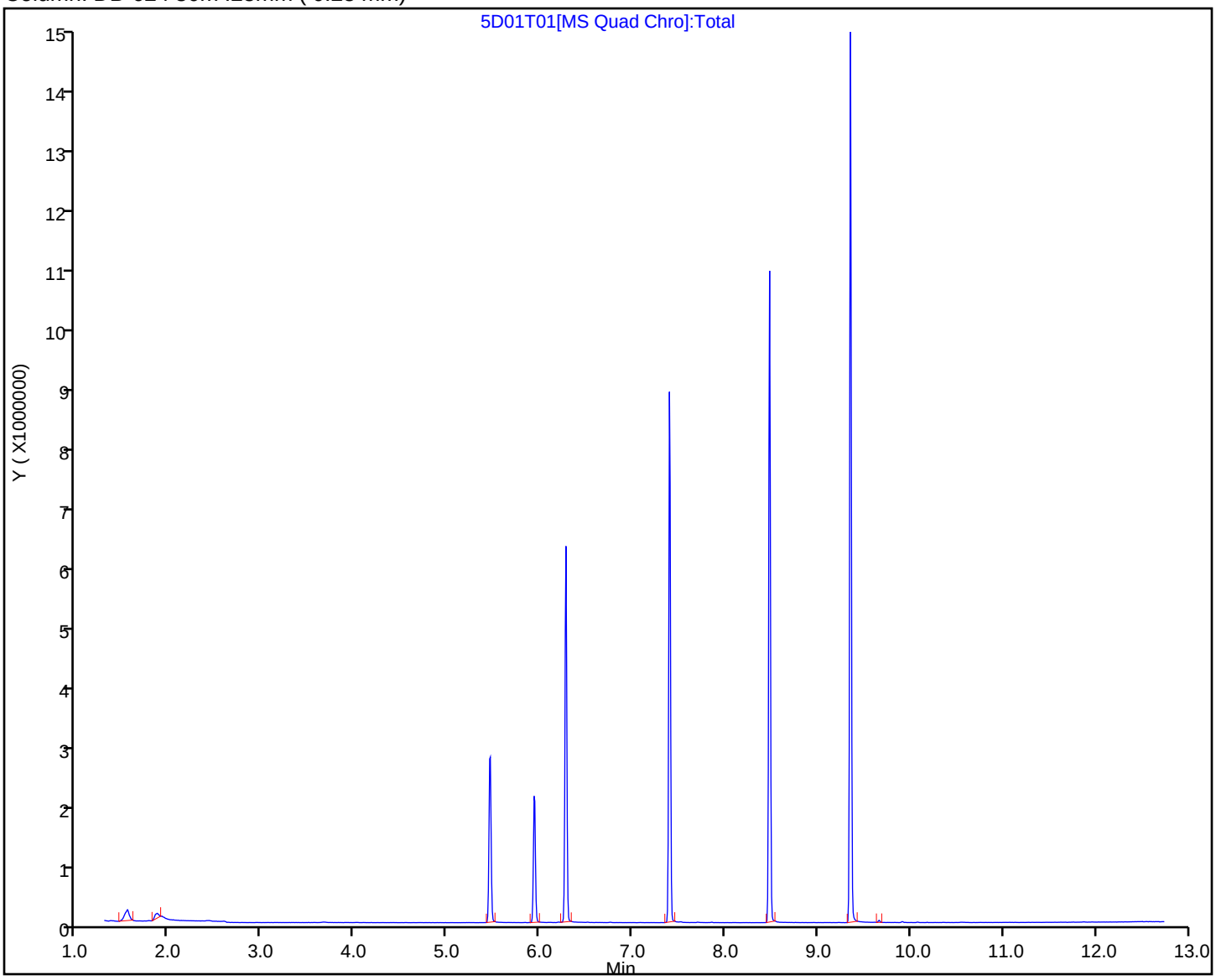
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 1

Injection Vol: 200.0 mL Dil. Factor: 1.0000

Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15

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



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 16-Dec-2021 18:38:11 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 410-0046560-001
Operator ID: etp33087 Instrument ID: HP22820

Method: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 17-Dec-2021 21:47:03 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1636

First Level Reviewer: proctore Date: 16-Dec-2021 18:57:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	83	818117	10.0	10.0	s
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	93	3289866	10.0	10.0	s
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	83	3767906	10.0	10.0	s
$ 110 BFB									

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Reagents:

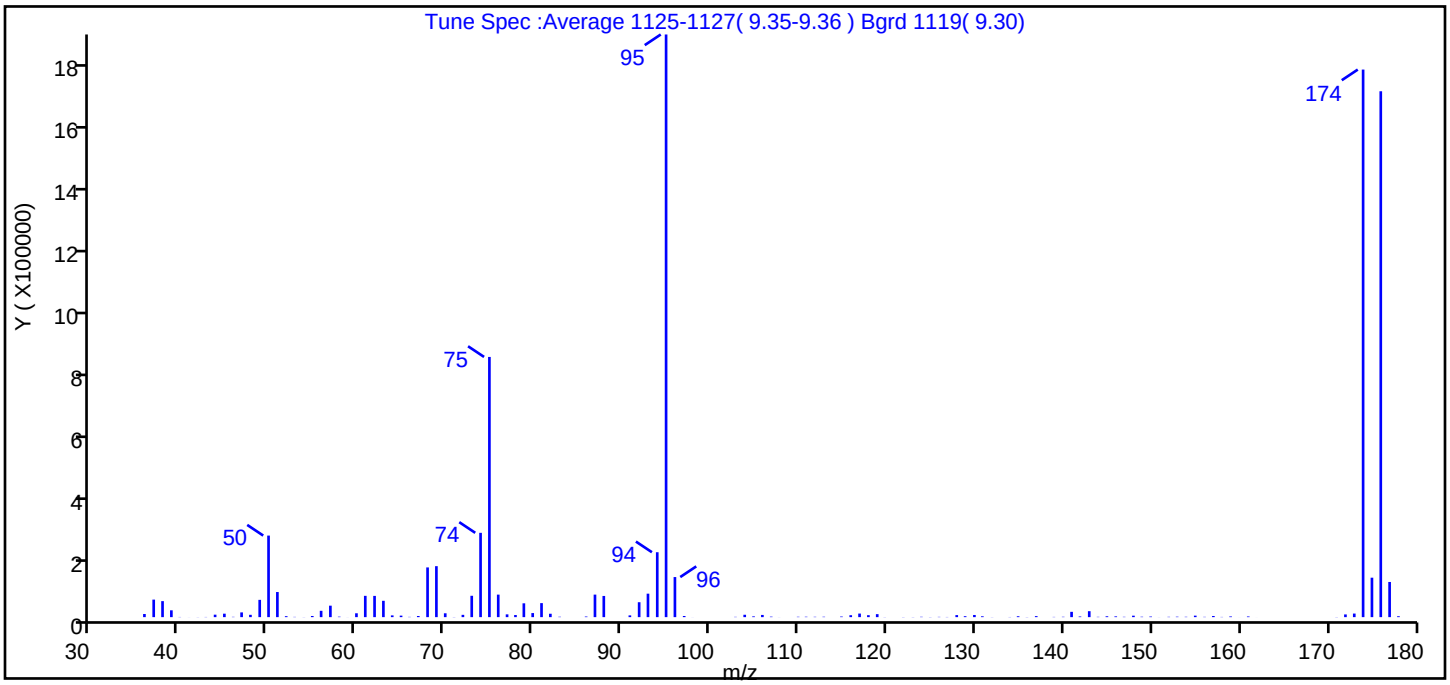
AIRBFB100ppb_00019 Amount Added: 20.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16T01.D
Injection Date: 16-Dec-2021 18:38:11 Instrument ID: HP22820
Lims ID: BFB
Client ID:
Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: AirMS_TO15_HP22820 Limit Group: MSV - TO15
Tune Method: BFB Method TO-15

$ 110 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	14.0
75	30.0 to 66.0 Percent of m/e 95	44.7
96	5.0 to 9.0 Percent of m/e 95	6.9
173	Less than 2.0 Percent of m/e 174	0.6 (0.7)
174	50.0 to 120.0 Percent of m/e 95	94.0
175	4.0 to 9.0 Percent of m/e 174	6.8 (7.2)
176	93.0 to 101.0 Percent of m/e 174	90.3 (96.0)
177	5.0 to 9.0 Percent of m/e 176	6.0 (6.7)

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16T01.D\AirMS_TO15_HP22820.rslt\spe
Injection Date: 16-Dec-2021 18:38:11
Spectrum: Tune Spec :Average 1125-1127(9.35-9.36) Bgrd 1119(9.30)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 122

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	10095	67.00	3635	106.00	7074	142.00	2071
37.00	56272	68.00	159616	107.00	1576	143.00	19136
38.00	51392	69.00	163648	108.00	165	144.00	1013
39.00	21936	70.00	12368	110.00	1198	145.00	2808
40.00	576	71.00	475	111.00	1351	146.00	2464
41.00	145	72.00	7398	112.00	1118	147.00	1065
42.00	295	73.00	68568	113.00	1288	148.00	4664
43.00	596	74.00	270656	115.00	1948	149.00	1332
44.00	7932	75.00	835264	116.00	6185	150.00	1927
45.00	11115	76.00	72296	117.00	11496	151.00	168
46.00	979	77.00	8925	118.00	6305	152.00	1028
47.00	15242	78.00	6763	119.00	9582	153.00	1466
48.00	7477	79.00	44376	120.00	366	154.00	1152
49.00	55504	80.00	13089	122.00	437	155.00	4792
50.00	261824	81.00	45024	123.00	415	156.00	935
51.00	80608	82.00	10895	124.00	1121	157.00	3588
52.00	3120	83.00	1218	125.00	461	158.00	686
53.00	803	86.00	1992	126.00	883	159.00	2208
54.00	292	87.00	72336	127.00	577	160.00	91
55.00	3706	88.00	68024	128.00	6551	161.00	2133
56.00	20352	91.00	5614	129.00	2993	162.00	71
57.00	36816	92.00	47880	130.00	6924	171.00	469
58.00	1522	93.00	75352	131.00	2706	172.00	8713
59.00	152	94.00	208384	132.00	324	173.00	11500
60.00	12421	95.00	1870336	134.00	508	174.00	1757696
61.00	68368	96.00	128688	135.00	2825	175.00	126656
62.00	68192	97.00	3642	136.00	429	176.00	1688064
63.00	52464	98.00	144	137.00	3292	177.00	112888
64.00	5625	103.00	932	139.00	751	178.00	2878
65.00	4843	104.00	7649	140.00	1158		
66.00	834	105.00	2463	141.00	17072		

Report Date: 17-Dec-2021 21:47:03 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16T01.D

Injection Date: 16-Dec-2021 18:38:11 Instrument ID: HP22820

Lims ID: BFB

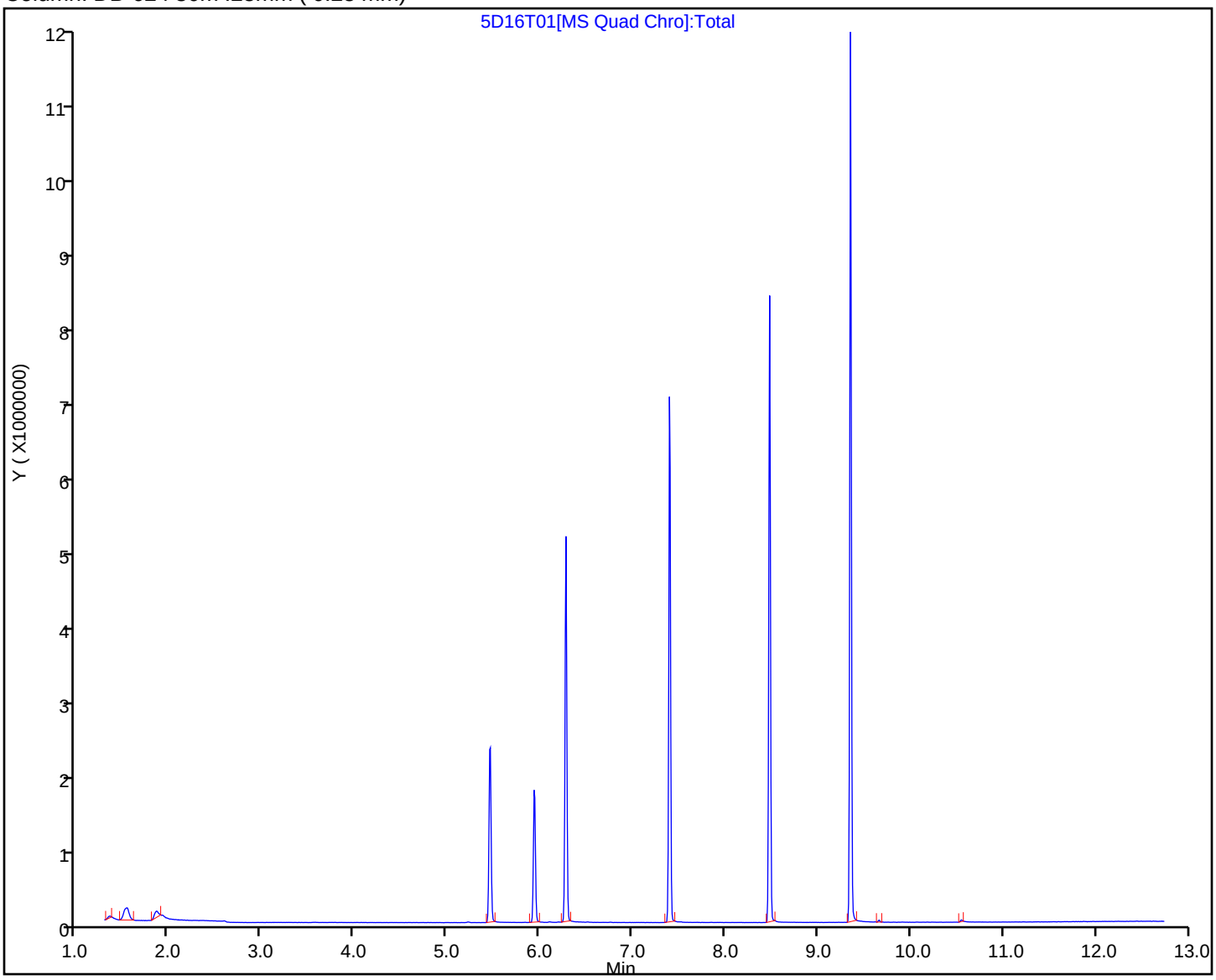
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 1

Injection Vol: 200.0 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 E Job No.: 410-66301-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-206378/7

Matrix: Air Lab File ID: 5D16X07.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 12/16/2021 21:40

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 206378 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	ND		6.9	1.0
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.65
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.9	1.0
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.65
75-34-3	1,1-Dichloroethane	ND		4.0	0.36
75-35-4	1,1-Dichloroethene	ND		4.0	0.56
96-18-4	1,2,3-Trichloropropane	ND		6.0	0.84
95-63-6	1,2,4-Trimethylbenzene	ND		9.8	1.4
106-93-4	1,2-Dibromoethane	ND		7.7	1.0
95-50-1	1,2-Dichlorobenzene	ND		6.0	1.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.32
78-87-5	1,2-Dichloropropane	ND		4.6	0.60
108-67-8	1,3,5-Trimethylbenzene	ND		9.8	1.6
106-99-0	1,3-Butadiene	ND		2.2	0.38
541-73-1	1,3-Dichlorobenzene	ND		6.0	1.8
106-46-7	1,4-Dichlorobenzene	ND		6.0	1.8
78-93-3	2-Butanone	ND		2.9	0.62
591-78-6	2-Hexanone	ND		4.1	0.74
107-05-1	3-Chloroprene	ND		3.1	0.63
622-96-8	4-Ethyltoluene	ND		4.9	0.88
108-10-1	4-Methyl-2-pentanone	ND		4.1	0.61
67-64-1	Acetone	ND		12	1.3
71-43-2	Benzene	ND		3.2	0.35
108-86-1	Bromobenzene	ND		6.4	1.3
75-27-4	Bromodichloromethane	ND		6.7	0.80
75-25-2	Bromoform	ND		10	1.8
74-83-9	Bromomethane	ND		3.9	0.78
75-15-0	Carbon disulfide	ND		3.1	0.40
56-23-5	Carbon tetrachloride	ND		6.3	0.88
108-90-7	Chlorobenzene	ND		4.6	0.60
75-45-6	Chlorodifluoromethane	ND		3.5	0.53
75-00-3	Chloroethane	ND		2.6	0.79
67-66-3	Chloroform	ND		4.9	0.45
74-87-3	Chloromethane	ND		2.1	0.50
156-59-2	cis-1,2-Dichloroethene	ND		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	ND		4.5	0.45

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-206378/7

Matrix: Air Lab File ID: 5D16X07.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 12/16/2021 21:40

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 206378 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Cumene	ND		4.9	1.2
124-48-1	Dibromochloromethane	ND		8.5	1.1
74-95-3	Dibromomethane	ND		7.1	1.0
75-71-8	Dichlorodifluoromethane	ND		4.9	0.64
75-43-4	Dichlorofluoromethane	ND		4.2	0.46
100-41-4	Ethylbenzene	ND		4.3	0.83
76-13-1	Freon 113	ND		7.7	1.5
76-14-2	Freon-114	ND		7.0	0.84
142-82-5	Heptane	ND		4.1	0.94
67-72-1	Hexachloroethane	ND		19	2.6
110-54-3	Hexane	ND		3.5	1.1
540-84-1	Isooctane	ND		4.7	0.93
179601-23-1	m&p-Xylene	ND		4.3	1.1
1634-04-4	Methyl t-butyl ether	ND		3.6	0.54
75-09-2	Methylene Chloride	ND		6.9	0.87
95-47-6	o-Xylene	ND		4.3	0.83
111-65-9	Octane	ND		9.3	1.9
109-66-0	Pentane	ND		3.0	0.59
100-42-5	Styrene	ND		4.3	0.85
127-18-4	Tetrachloroethene	ND		14	1.7
108-88-3	Toluene	ND		3.8	0.45
156-60-5	trans-1,2-Dichloroethene	ND		4.0	0.79
10061-02-6	trans-1,3-Dichloropropene	ND		4.5	0.54
79-01-6	Trichloroethene	ND		5.4	0.97
75-69-4	Trichlorofluoromethane	ND		5.6	0.84
75-01-4	Vinyl chloride	ND		2.6	0.31

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X07.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	16-Dec-2021 21:40:11	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	MB				
Misc. Info.:	410-0046560-007				
Operator ID:	etp33087	Instrument ID:	HP22820		
Method:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\AirMS_TO15_HP22820.m				
Limit Group:	MSV - TO15				
Last Update:	17-Dec-2021 21:46:00	Calib Date:	01-Dec-2021 04:27:08		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D				
Column 1 :	DB-624 30m .25mm (0.25 mm)		Det: MS Quad		
Process Host:	CTX1636				
First Level Reviewer: proctore		Date:	16-Dec-2021 22:11:39		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
8 Bromomethane	94	2.412	2.386	0.029	92	7067		0.1546	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	83	246347	10.0	10.0	
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	93	980580	10.0	10.0	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	83	1120704	10.0	10.0	
$ 110 BFB									

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00087 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 17-Dec-2021 21:46:52 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X07.D

Injection Date: 16-Dec-2021 21:40:11 Instrument ID: HP22820

Lims ID: MB

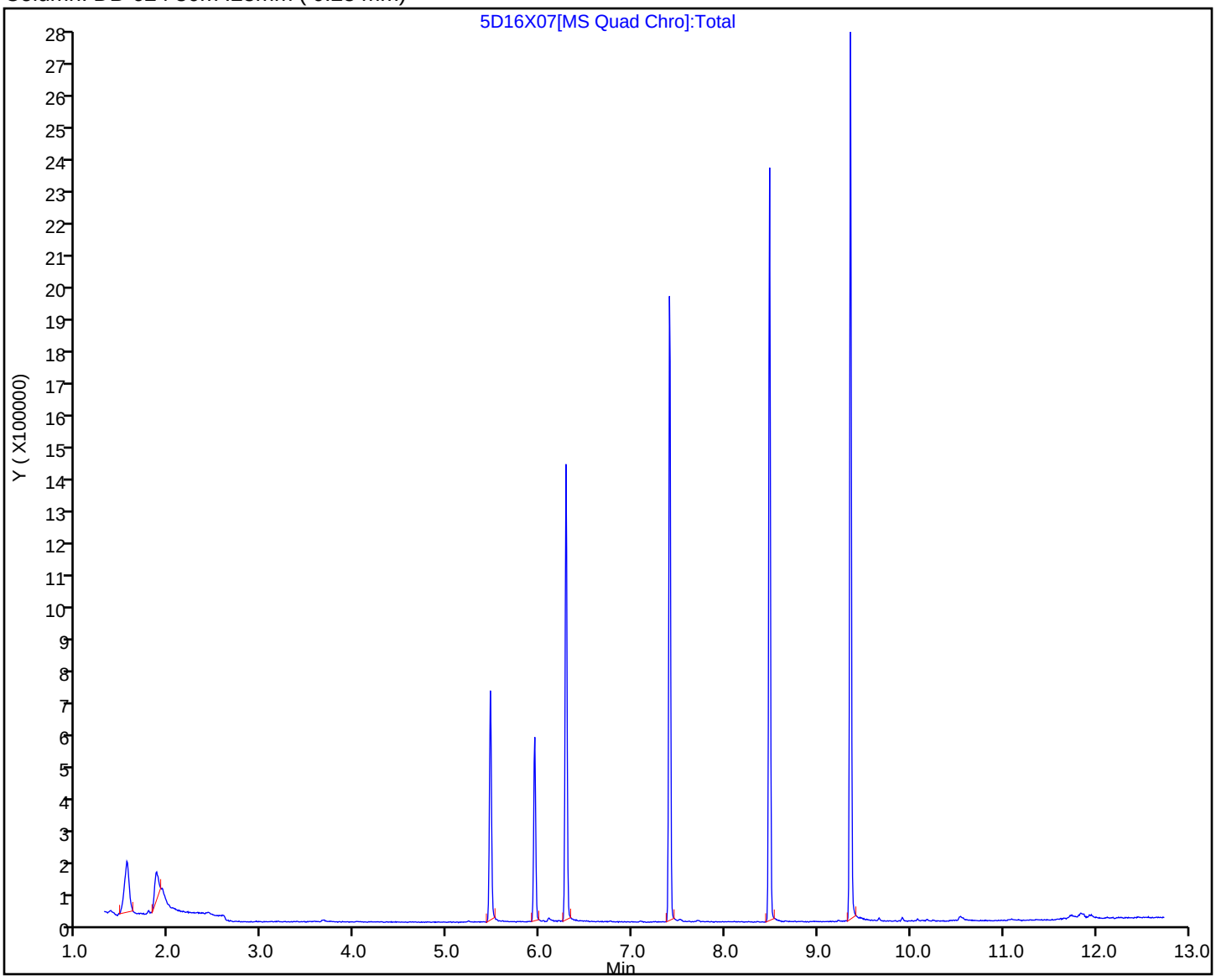
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 7

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)



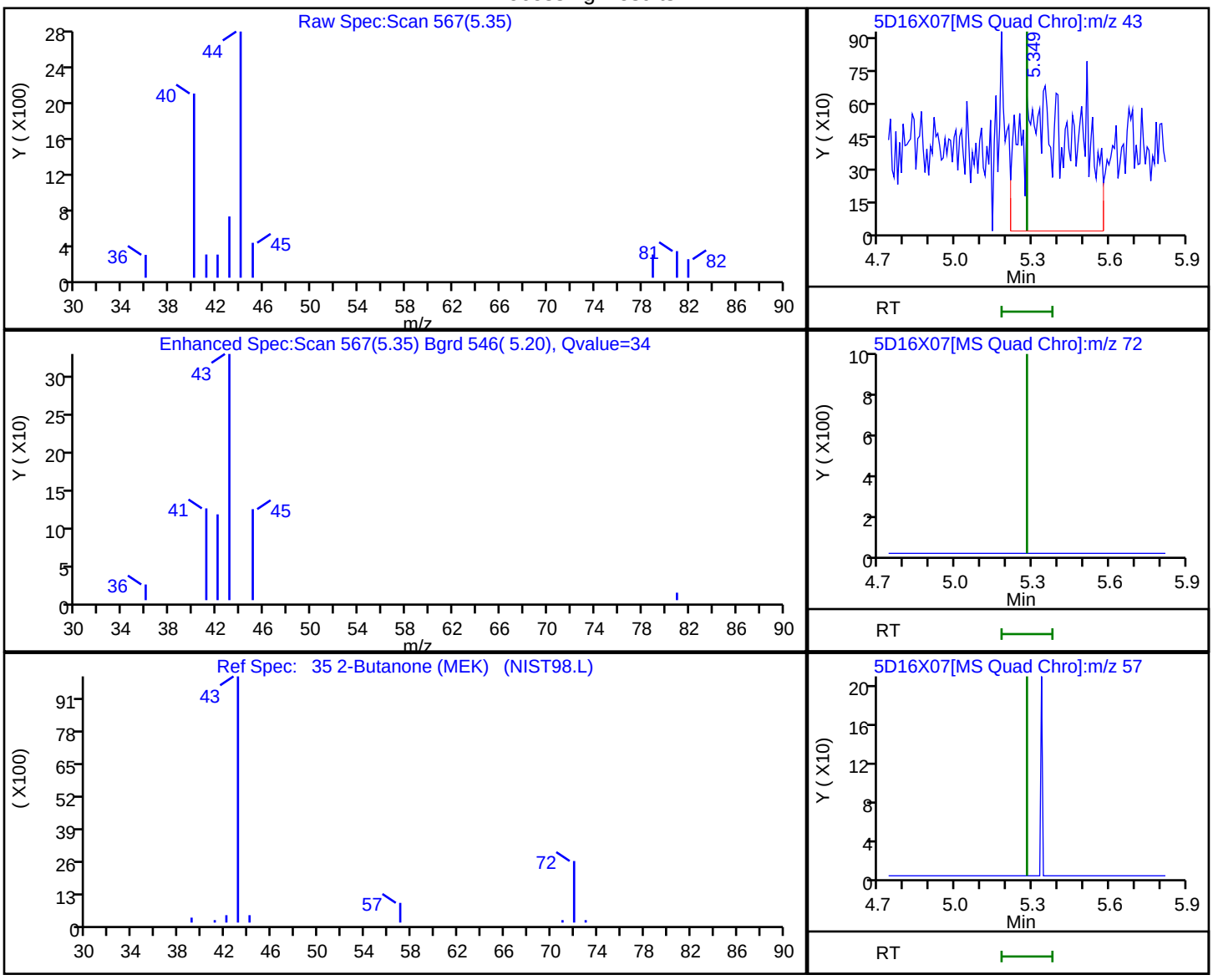
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X07.D				
Injection Date:	16-Dec-2021 21:40:11	Instrument ID:	HP22820		
Lims ID:	MB				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	7
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 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.35	43.00	9730	0.167458
5.28	72.00	0	
5.28	57.00	0	

Reviewer: proctore, 16-Dec-2021 21:59:32

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

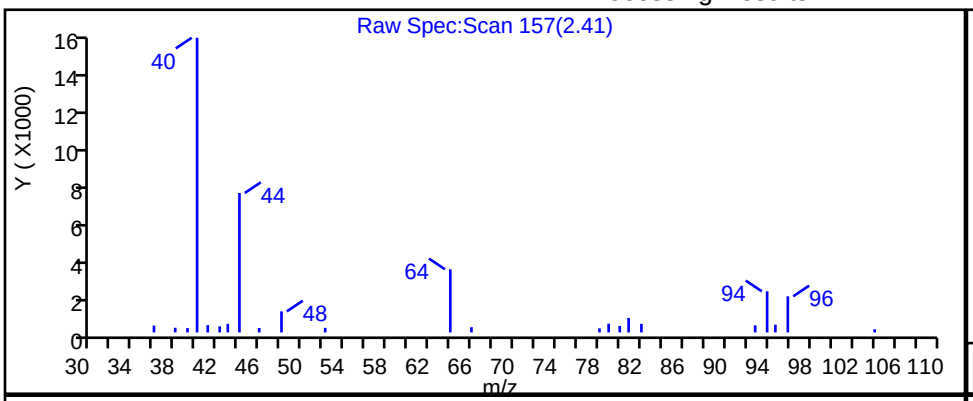
User Disabled Compound Report

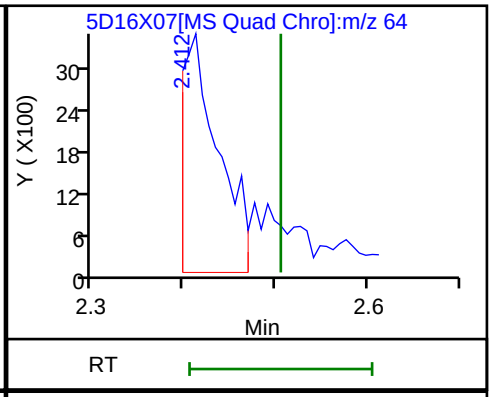
Eurofins Lancaster Laboratories Env, LLC

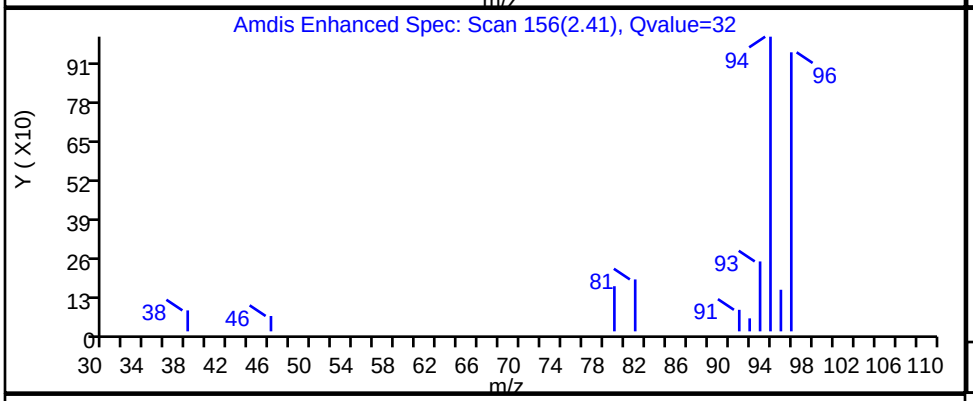
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X07.D				
Injection Date:	16-Dec-2021 21:40:11	Instrument ID:	HP22820		
Lims ID:	MB				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

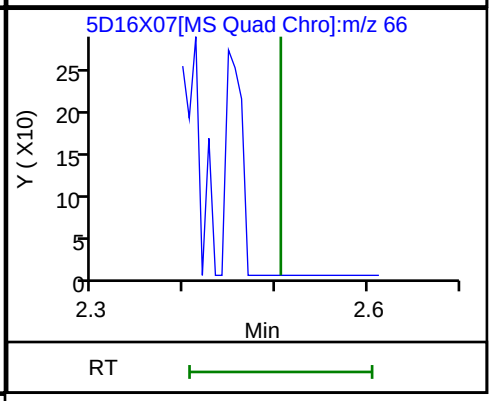
9 Chloroethane, CAS: 75-00-3

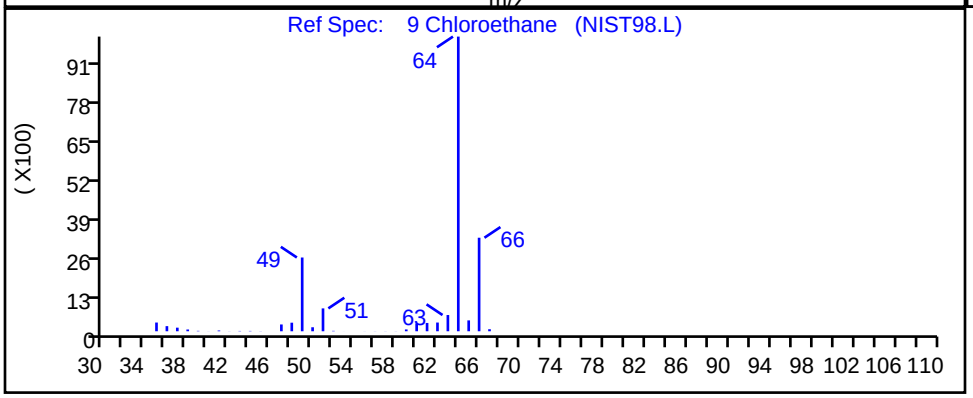
Processing Results











RT	Mass	Response	Amount
2.41	64.00	8653	0.306876
2.50	66.00	0	

Reviewer: proctore, 16-Dec-2021 21:59:26

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

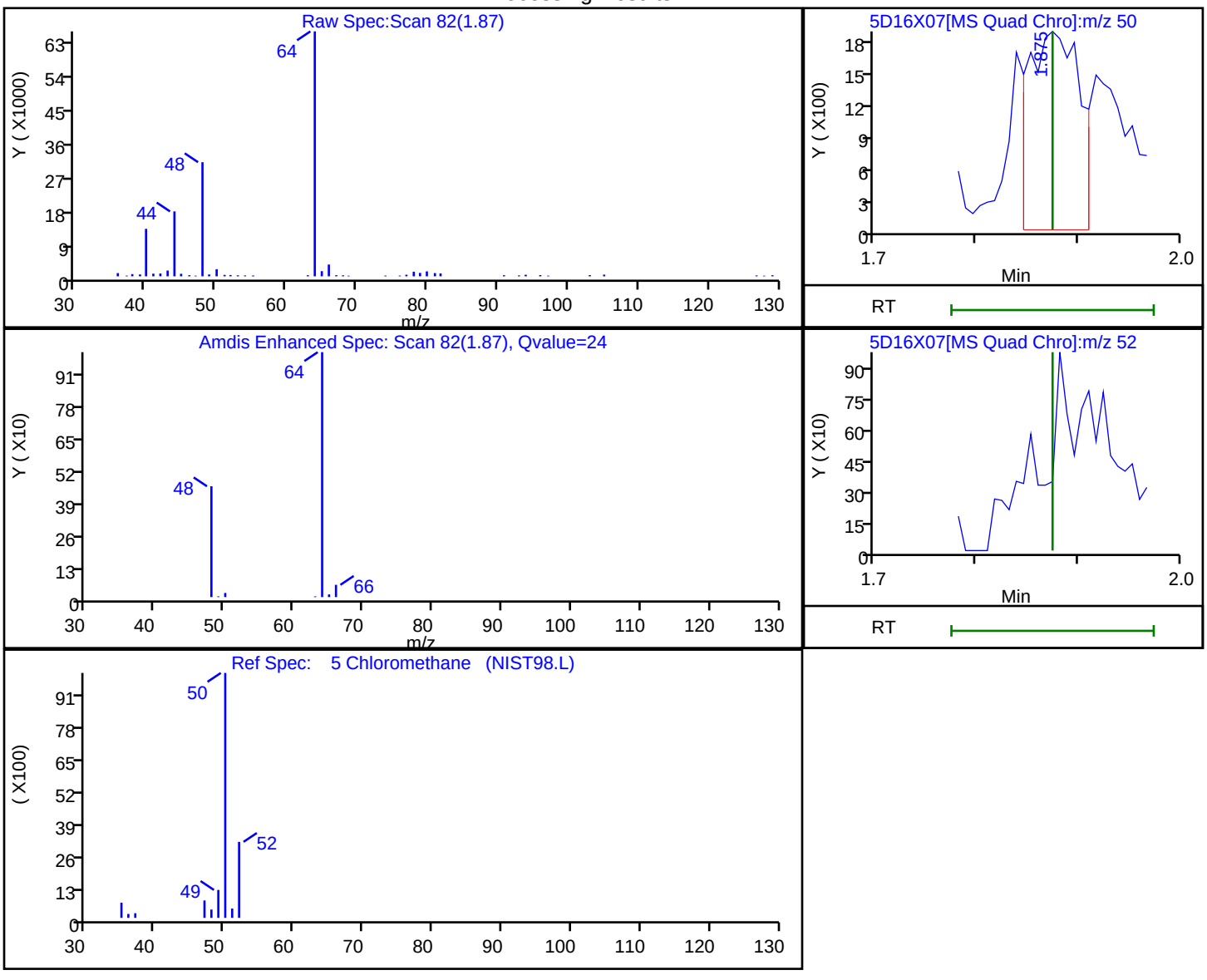
User Disabled Compound Report

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X07.D				
Injection Date:	16-Dec-2021 21:40:11	Instrument ID:	HP22820		
Lims ID:	MB				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	7
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		

5 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.87	50.00	6326	0.206994
1.87	52.00	0	

Reviewer: proctore, 16-Dec-2021 21:59:23

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 E Job No.: 410-66301-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-206378/4

Matrix: Air Lab File ID: 5D16X04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 12/16/2021 20:25

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 206378 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	69.8		6.9	1.0
71-55-6	1,1,1-Trichloroethane	56.0		5.5	0.65
79-34-5	1,1,2,2-Tetrachloroethane	66.2		6.9	1.0
79-00-5	1,1,2-Trichloroethane	54.5		5.5	0.65
75-34-3	1,1-Dichloroethane	40.0		4.0	0.36
75-35-4	1,1-Dichloroethene	42.1		4.0	0.56
96-18-4	1,2,3-Trichloropropane	61.1		6.0	0.84
95-63-6	1,2,4-Trimethylbenzene	61.8		9.8	1.4
106-93-4	1,2-Dibromoethane	76.9		7.7	1.0
95-50-1	1,2-Dichlorobenzene	66.0		6.0	1.2
107-06-2	1,2-Dichloroethane	39.6		4.0	0.32
78-87-5	1,2-Dichloropropane	44.7		4.6	0.60
108-67-8	1,3,5-Trimethylbenzene	60.1		9.8	1.6
106-99-0	1,3-Butadiene	22.2		2.2	0.38
541-73-1	1,3-Dichlorobenzene	66.0		6.0	1.8
106-46-7	1,4-Dichlorobenzene	65.6		6.0	1.8
78-93-3	2-Butanone	30.0		2.9	0.62
591-78-6	2-Hexanone	41.2		4.1	0.74
107-05-1	3-Chloroprene	32.4		3.1	0.63
622-96-8	4-Ethyltoluene	62.6		4.9	0.88
108-10-1	4-Methyl-2-pentanone	43.2		4.1	0.61
67-64-1	Acetone	22.8		12	1.3
71-43-2	Benzene	30.1		3.2	0.35
108-86-1	Bromobenzene	64.9		6.4	1.3
75-27-4	Bromodichloromethane	66.2		6.7	0.80
75-25-2	Bromoform	99.8		10	1.8
74-83-9	Bromomethane	37.9		3.9	0.78
75-15-0	Carbon disulfide	30.7		3.1	0.40
56-23-5	Carbon tetrachloride	65.1		6.3	0.88
108-90-7	Chlorobenzene	45.8		4.6	0.60
75-45-6	Chlorodifluoromethane	37.2		3.5	0.53
75-00-3	Chloroethane	22.8		2.6	0.79
67-66-3	Chloroform	48.4		4.9	0.45
74-87-3	Chloromethane	16.4		2.1	0.50
156-59-2	cis-1,2-Dichloroethene	40.0		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	46.4		4.5	0.45

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-206378/4

Matrix: Air Lab File ID: 5D16X04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 12/16/2021 20:25

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 206378 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Cumene	62.2		4.9	1.2
124-48-1	Dibromochloromethane	86.5		8.5	1.1
74-95-3	Dibromomethane	69.5		7.1	1.0
75-71-8	Dichlorodifluoromethane	50.7		4.9	0.64
75-43-4	Dichlorofluoromethane	44.4		4.2	0.46
100-41-4	Ethylbenzene	49.3		4.3	0.83
76-13-1	Freon 113	75.6		7.7	1.5
76-14-2	Freon-114	70.3		7.0	0.84
142-82-5	Heptane	43.7		4.1	0.94
67-72-1	Hexachloroethane	80.2		19	2.6
110-54-3	Hexane	36.1		3.5	1.1
540-84-1	Isooctane	51.5		4.7	0.93
179601-23-1	m&p-Xylene	50.0		4.3	1.1
1634-04-4	Methyl t-butyl ether	40.2		3.6	0.54
75-09-2	Methylene Chloride	34.3		6.9	0.87
95-47-6	o-Xylene	52.1		4.3	0.83
111-65-9	Octane	51.3		9.3	1.9
109-66-0	Pentane	29.4		3.0	0.59
100-42-5	Styrene	53.1		4.3	0.85
127-18-4	Tetrachloroethene	78.0		14	1.7
108-88-3	Toluene	38.7		3.8	0.45
156-60-5	trans-1,2-Dichloroethene	41.2		4.0	0.79
10061-02-6	trans-1,3-Dichloropropene	48.4		4.5	0.54
79-01-6	Trichloroethene	52.8		5.4	0.97
75-69-4	Trichlorofluoromethane	56.0		5.6	0.84
75-01-4	Vinyl chloride	26.2		2.6	0.31

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 16-Dec-2021 20:25:25 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 410-0046560-004
Operator ID: etp33087 Instrument ID: HP22820

Method: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 17-Dec-2021 21:46:00 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1636

First Level Reviewer: proctore Date: 16-Dec-2021 21:43:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	1.653	1.645	0.008	98	284522	10.0	9.34	
2 Dichlorodifluoromethane	85	1.681	1.681	0.000	99	1448213	10.0	10.2	
3 Chlorodifluoromethane	51	1.703	1.688	0.000	96	696192	10.0	10.5	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.810	1.812	0.000	95	1513559	10.0	10.1	
5 Chloromethane	50	1.882	1.867	0.007	99	262064	10.0	7.96	
6 Vinyl chloride	62	2.004	2.006	0.000	98	476120	10.0	10.3	
7 Butadiene	54	2.039	2.042	0.000	88	324434	10.0	10.0	
8 Bromomethane	94	2.383	2.386	0.000	90	480432	10.0	9.76	
9 Chloroethane	64	2.505	2.508	0.000	99	262103	10.0	8.63	
10 Vinyl bromide	106	2.727	2.730	0.000	99	518290	10.0	10.3	
11 Dichlorofluoromethane	67	2.763	2.766	0.000	97	1108261	10.0	10.5	
12 Trichlorofluoromethane	101	2.799	2.802	0.000	98	1550368	10.0	9.97	
13 Pentane	43	2.906	2.920	0.000	95	606447	10.0	9.96	
14 Ethanol	45	3.107	3.114	-0.007	99	96041	10.0	7.85	
15 Acrolein	56	3.364	3.364	0.000	99	151933	10.0	11.0	
16 1,1-Dichloroethene	61	3.450	3.455	0.000	95	738492	10.0	10.6	
17 112TCTFE	103	3.465	3.469	0.000	92	818190	10.0	9.86	
18 Acetone	43	3.551	3.551	0.000	100	551782	10.0	9.60	
19 Iodomethane	142	3.622	3.627	0.000	99	1407130	10.0	9.34	
20 Carbon disulfide	76	3.680	3.684	0.000	98	1398893	10.0	9.86	
21 Isopropyl alcohol	45	3.737	3.737	0.000	96	459198	10.0	9.58	
22 3-Chloro-1-propene	41	3.887	3.892	0.000	94	761797	10.0	10.3	a
23 Acetonitrile	41	3.887	3.916	0.000	86	761797	10.0	10.3	
24 Methylene Chloride	84	4.031	4.036	0.000	84	481875	10.0	9.87	
25 2-Methyl-2-propanol	59	4.174	4.179	0.000	96	668795	10.0	10.1	
26 trans-1,2-Dichloroethene	61	4.303	4.308	0.000	96	667346	10.0	10.4	
27 Methyl tert-butyl ether	73	4.310	4.315	0.000	94	1264851	10.0	11.1	
28 Acrylonitrile	53	4.310	4.316	0.000	99	346801	10.0	10.2	
29 Hexane	56	4.568	4.567	0.007	89	337962	10.0	10.2	
30 1,1-Dichloroethane	63	4.725	4.731	0.000	96	861611	10.0	9.88	
32 Vinyl acetate	43	4.783	4.783	0.000	98	1603733	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 Isopropyl ether	45	4.790	4.796	0.000	84	1283352	10.0	11.0	
33 Tert-butyl ethyl ether	59	5.119	5.126	0.000	95	1186875	10.0	10.9	
34 cis-1,2-Dichloroethene	61	5.256	5.262	0.000	75	617174	10.0	10.1	
35 2-Butanone (MEK)	43	5.277	5.284	0.000	100	637088	10.0	10.2	M
36 Ethyl acetate	43	5.327	5.327	0.000	97	869635	10.0	9.82	
37 Methyl acrylate	55	5.356	5.363	0.000	99	696569	10.0	10.5	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	83	265251	10.0	10.0	
39 Tetrahydrofuran	42	5.499	5.499	0.000	82	408100	10.0	10.1	
40 Chloroform	83	5.535	5.535	0.007	92	1180427	10.0	9.91	
41 1,1,1-Trichloroethane	97	5.671	5.678	0.000	97	1207569	10.0	10.3	
42 Cyclohexane	56	5.707	5.707	0.000	86	668635	10.0	10.9	
43 Carbon tetrachloride	117	5.807	5.814	0.000	96	1290814	10.0	10.4	
44 Benzene	78	5.979	5.979	0.000	94	1615395	10.0	9.42	
45 1,2-Dichloroethane	62	6.000	6.007	0.000	98	697444	10.0	9.78	
46 Isooctane	57	6.029	6.036	0.000	95	2004211	10.0	11.0	
47 Tert-amyl methyl ether	73	6.058	6.065	0.000	96	1249660	10.0	11.2	
48 n-Heptane	71	6.165	6.165	0.000	86	536695	10.0	10.7	
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	93	1193931	10.0	10.0	
50 Trichloroethene	130	6.480	6.480	0.000	96	879807	10.0	9.82	
51 Ethyl acrylate	55	6.559	6.567	0.000	99	823055	10.0	10.4	
52 1,2-Dichloropropane	63	6.659	6.667	0.000	96	547876	10.0	9.67	
53 Methyl methacrylate	69	6.738	6.746	0.000	84	487964	10.0	10.6	
54 Dibromomethane	174	6.760	6.767	0.000	93	854205	10.0	9.78	
55 1,4-Dioxane	88	6.760	6.767	0.000	87	318405	10.0	9.33	
56 Dichlorobromomethane	83	6.867	6.875	0.000	99	1219145	10.0	9.88	
57 cis-1,3-Dichloropropene	75	7.204	7.212	0.000	97	872095	10.0	10.2	
58 4-Methyl-2-pentanone (MIBK)	43	7.311	7.319	0.000	93	804550	10.0	10.5	M
59 Toluene	91	7.447	7.447	0.000	99	2079088	10.0	10.3	
60 n-Octane	43	7.498	7.498	-0.007	76	999699	10.0	11.0	M
61 trans-1,3-Dichloropropene	75	7.612	7.612	0.000	89	795221	10.0	10.7	
62 Ethyl methacrylate	69	7.662	7.662	0.000	86	810289	10.0	11.2	
63 1,1,2-Trichloroethane	97	7.755	7.755	0.000	89	771516	10.0	9.99	
64 Tetrachloroethene	166	7.856	7.856	0.000	98	1476058	10.0	11.5	
65 2-Hexanone	43	7.927	7.927	0.000	93	636874	10.0	10.0	
66 Chlorodibromomethane	127	8.049	8.056	-0.007	89	1085303	10.0	10.2	
67 Ethylene Dibromide	107	8.142	8.149	-0.007	99	1197000	10.0	10.0	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	82	1276605	10.0	10.0	
69 Chlorobenzene	112	8.500	8.500	0.000	98	1819844	10.0	9.94	
70 1,1,1,2-Tetrachloroethane	131	8.558	8.558	0.000	96	1049061	10.0	10.2	
71 Ethylbenzene	91	8.565	8.572	0.000	97	2712280	10.0	11.4	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	98	2090243	10.0	11.5	
73 o-Xylene	91	8.952	8.952	0.000	95	2089702	10.0	12.0	
74 Styrene	104	8.959	8.951	-0.007	93	1745026	10.0	12.5	
75 Bromoform	173	9.124	9.123	0.000	98	1398376	10.0	9.65	
76 Isopropylbenzene	105	9.224	9.224	0.000	95	3137148	10.0	12.7	
77 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	94	1558174	10.0	9.64	M
78 Bromobenzene	156	9.475	9.475	0.000	86	1171805	10.0	10.1	
79 1,2,3-Trichloropropane	110	9.496	9.496	0.000	81	548961	10.0	10.1	
80 N-Propylbenzene	120	9.532	9.532	0.000	98	960009	10.0	11.6	
82 2-Chlorotoluene	126	9.618	9.610	0.007	96	888333	10.0	11.2	
81 4-Ethyltoluene	105	9.618	9.618	0.000	97	3330543	10.0	12.7	M
83 1,3,5-Trimethylbenzene	105	9.661	9.661	0.000	95	2749542	10.0	12.2	Ma

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Alpha Methyl Styrene	118	9.818	9.833	-0.015	88	1152927	10.0	11.3	M
85 tert-Butylbenzene	119	9.883	9.911	-0.028	92	2602671	10.0	12.0	M
86 1,2,4-Trimethylbenzene	105	9.919	9.933	-0.028	96	2594595	10.0	12.6	
87 sec-Butylbenzene	105	10.040	10.076	-0.036	93	3869944	10.0	12.8	
89 4-Isopropyltoluene	119	10.141	10.176	-0.036	96	3508053	10.0	13.5	
88 1,3-Dichlorobenzene	146	10.141	10.176	-0.036	76	2092622	10.0	11.0	
90 1,4-Dichlorobenzene	146	10.212	10.241	-0.029	97	2079273	10.0	10.9	
91 Benzyl chloride	126	10.313	10.348	-0.035	97	465346	10.0	12.3	
92 n-Butylbenzene	92	10.456	10.492	-0.036	97	1703825	10.0	13.4	
93 1,2-Dichlorobenzene	146	10.499	10.534	-0.036	99	1964557	10.0	11.0	
94 Hexachloroethane	117	10.692	10.721	-0.029	94	854223	10.0	8.28	
95 1,2-Dibromo-3-Chloropropane	157	11.101	11.129	-0.028	93	948333	10.0	10.2	
96 1,2,4-Trichlorobenzene	180	11.738	11.752	-0.014	94	1471988	10.0	12.0	
97 Hexachlorobutadiene	225	11.853	11.867	-0.014	98	1383877	10.0	11.6	
98 Naphthalene	128	11.939	11.953	-0.014	96	2974246	10.0	14.8	
S 101 1,2-Dichloroethene, Total	61				0	1284520	20.0	20.5	
S 102 1,3-Dichloropropene, Total	75				0	1667316	20.0	21.1	
S 104 Xylenes, Total	91				0	4179945	20.0	23.5	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRLCS10.0_00147	Amount Added: 200.00	Units: mL	
AIRIS200 ppb_00087	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 17-Dec-2021 21:46:57 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X04.D

Injection Date: 16-Dec-2021 20:25:25 Instrument ID: HP22820

Lims ID: LCS

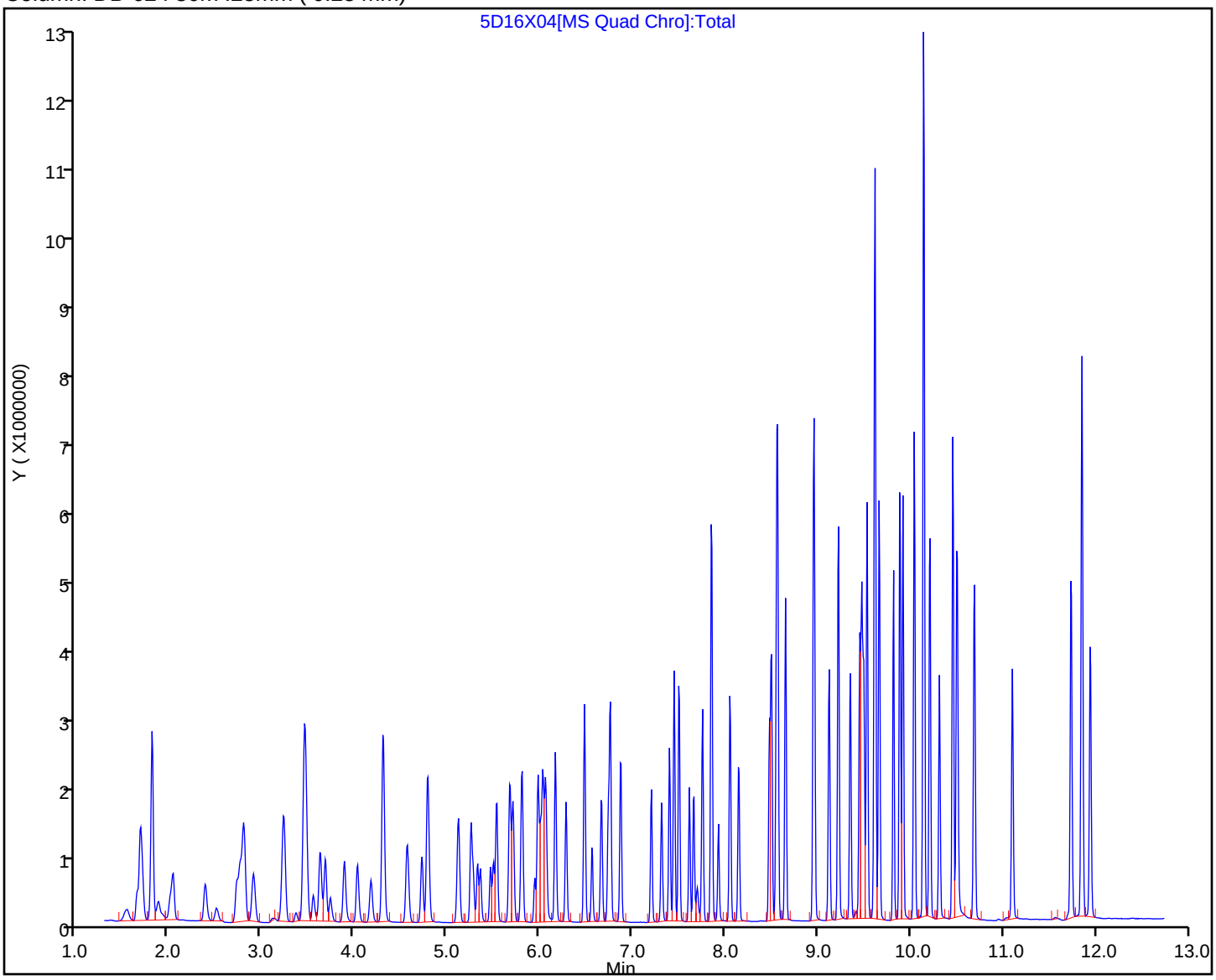
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 4

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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

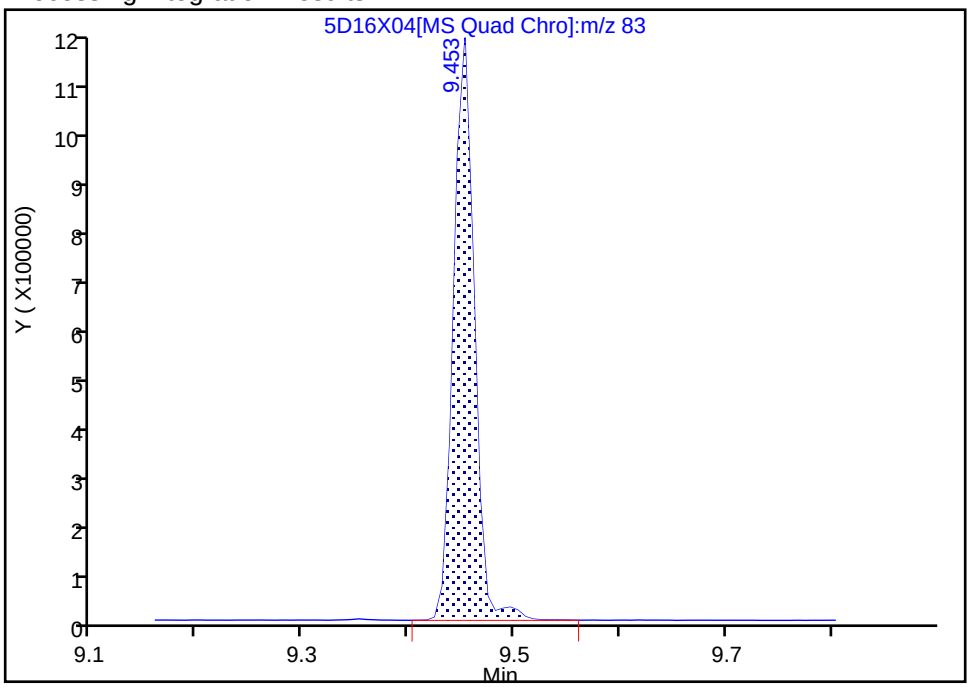
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X04.D				
Injection Date:	16-Dec-2021 20:25:25	Instrument ID:	HP22820		
Lims ID:	LCS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

77 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

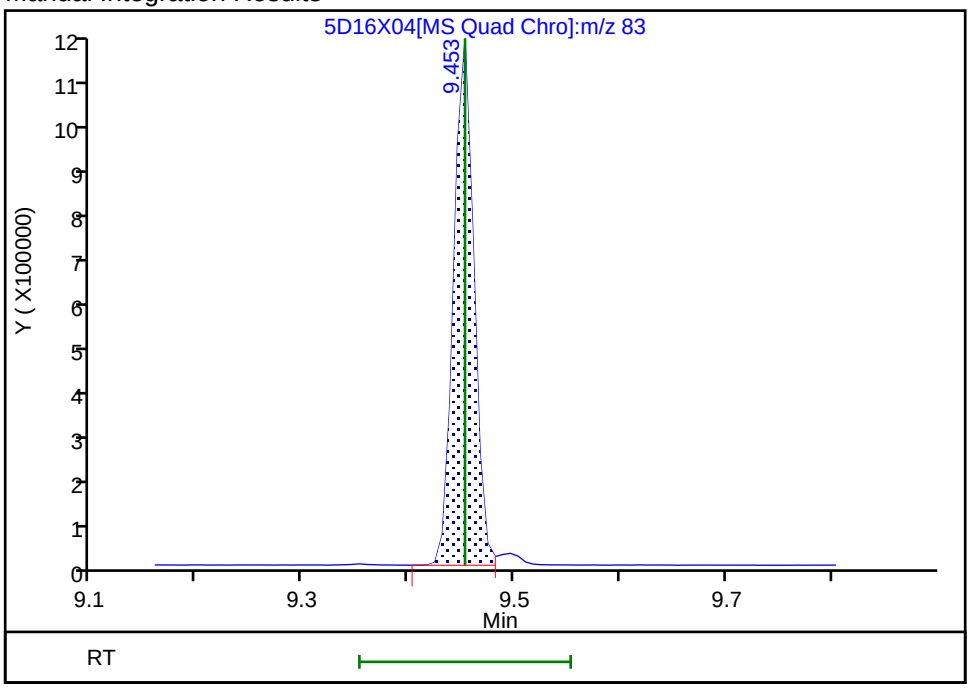
Processing Integration Results

RT: 9.45
Area: 1599111
Amount: 9.892350
Amount Units: ppb v/v



Manual Integration Results

RT: 9.45
Area: 1558174
Amount: 9.639107
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 21:42:59

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

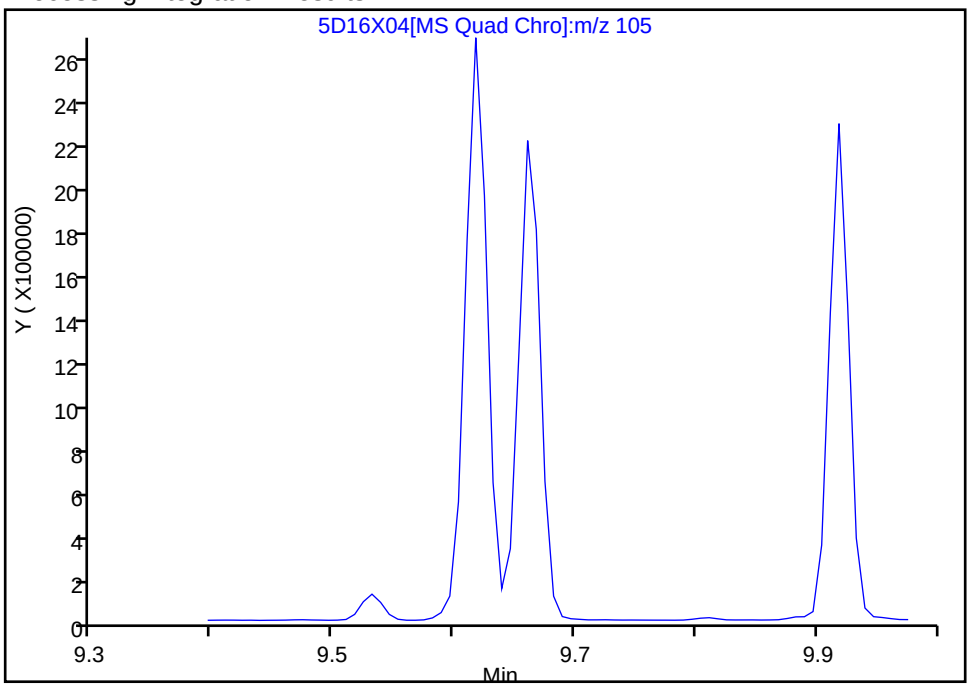
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X04.D				
Injection Date:	16-Dec-2021 20:25:25	Instrument ID:	HP22820		
Lims ID:	LCS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

83 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

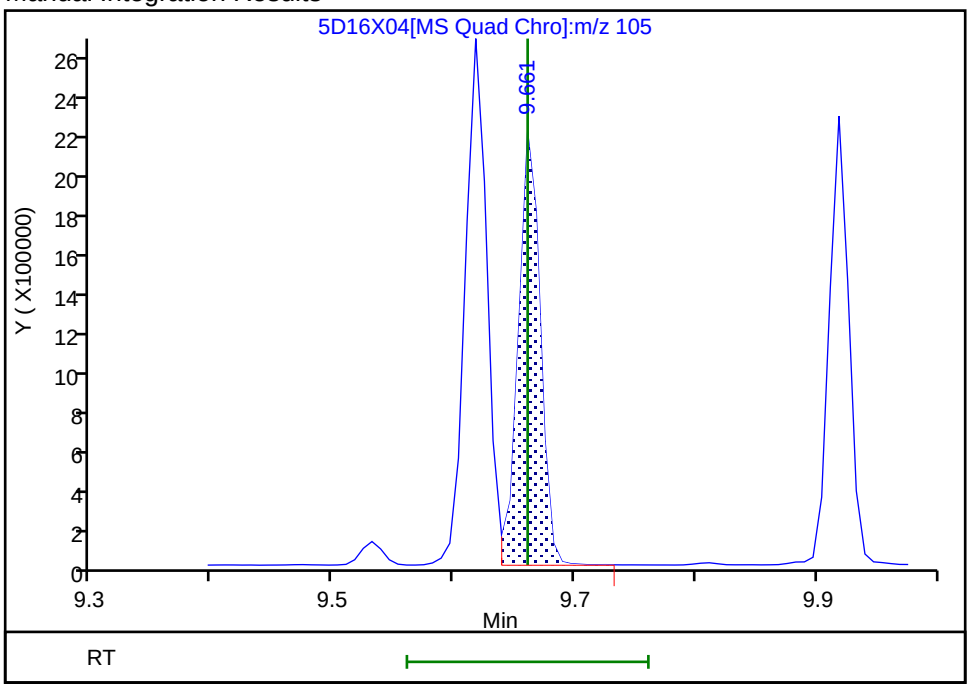
Not Detected
Expected RT: 9.66

Processing Integration Results



Manual Integration Results

RT: 9.66
Area: 2749542
Amount: 12.226617
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 21:43:20
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

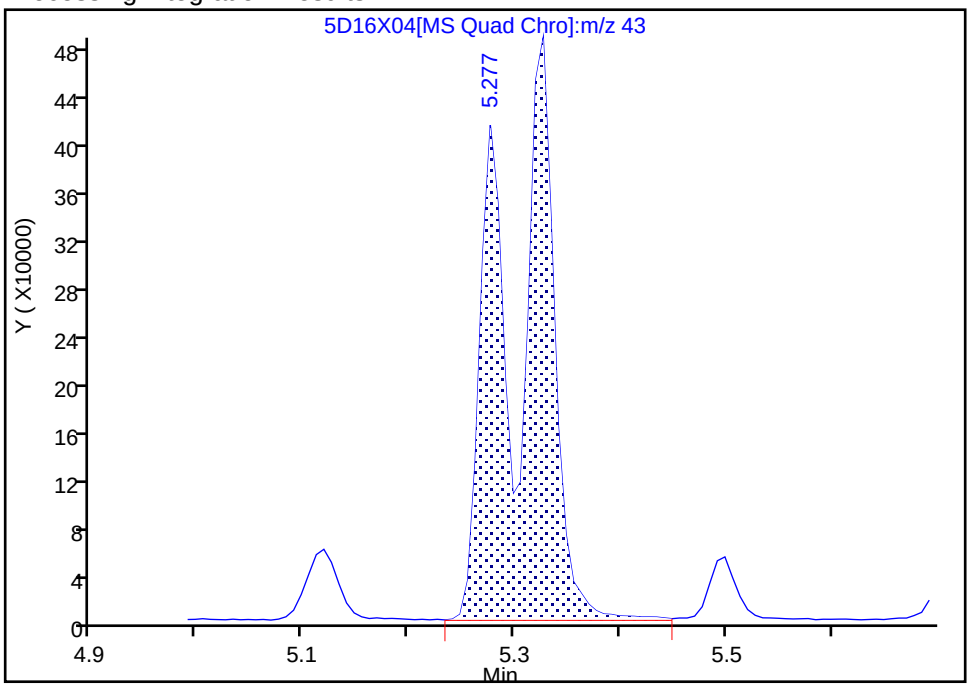
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X04.D				
Injection Date:	16-Dec-2021 20:25:25	Instrument ID:	HP22820		
Lims ID:	LCS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

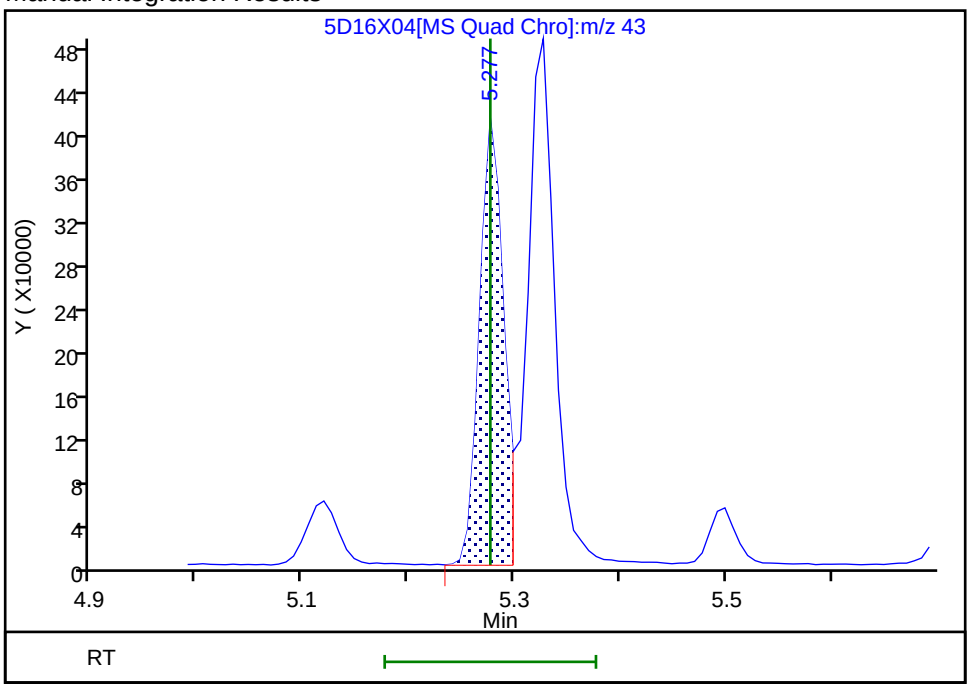
Processing Integration Results

RT: 5.28
Area: 1506724
Amount: 24.083332
Amount Units: ppb v/v



Manual Integration Results

RT: 5.28
Area: 637088
Amount: 10.183153
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 21:42:25

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

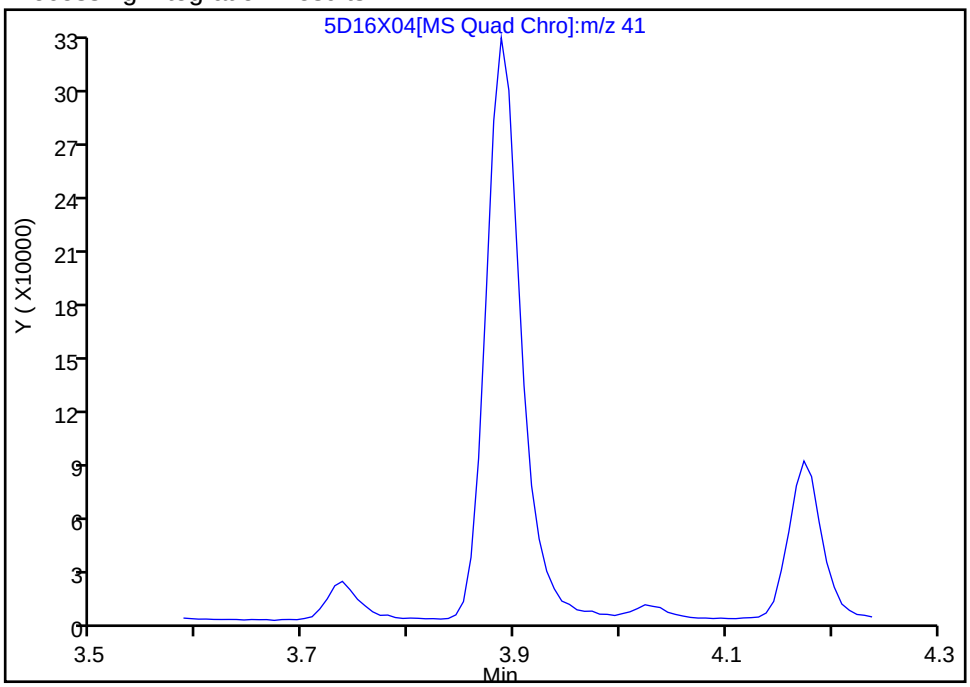
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X04.D				
Injection Date:	16-Dec-2021 20:25:25	Instrument ID:	HP22820		
Lims ID:	LCS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

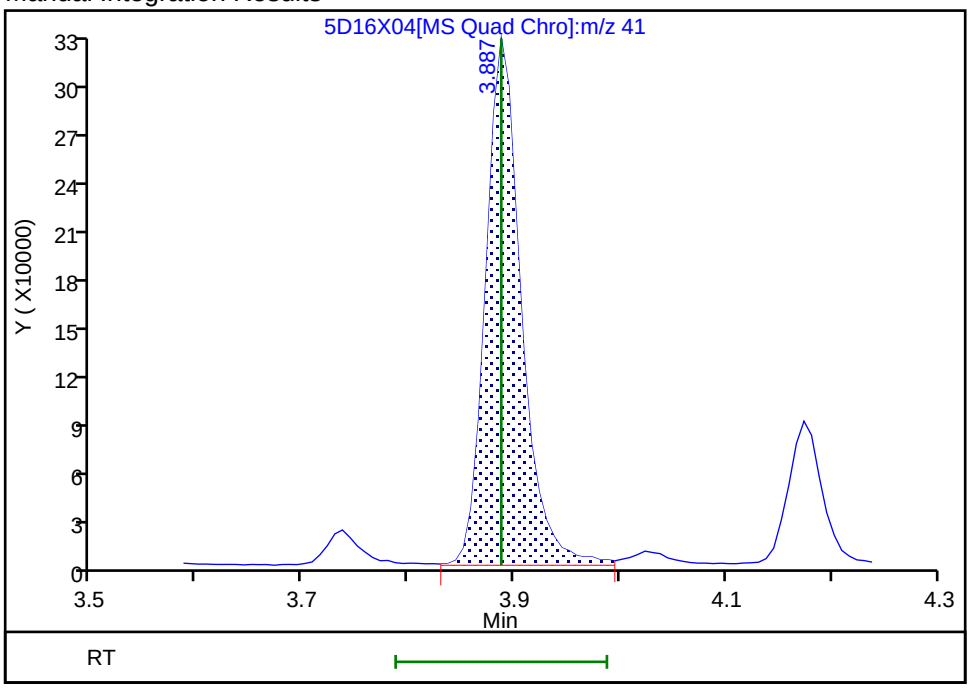
Not Detected
Expected RT: 3.89

Processing Integration Results



Manual Integration Results

RT: 3.89
Area: 761797
Amount: 10.341478
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 21:42:12
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

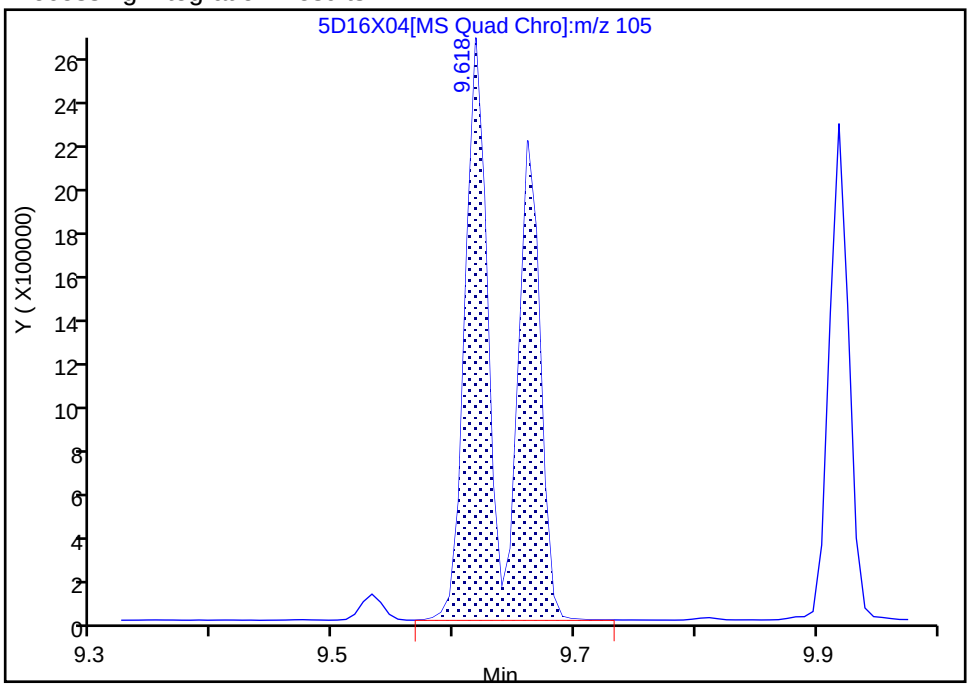
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X04.D				
Injection Date:	16-Dec-2021 20:25:25	Instrument ID:	HP22820		
Lims ID:	LCS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

81 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

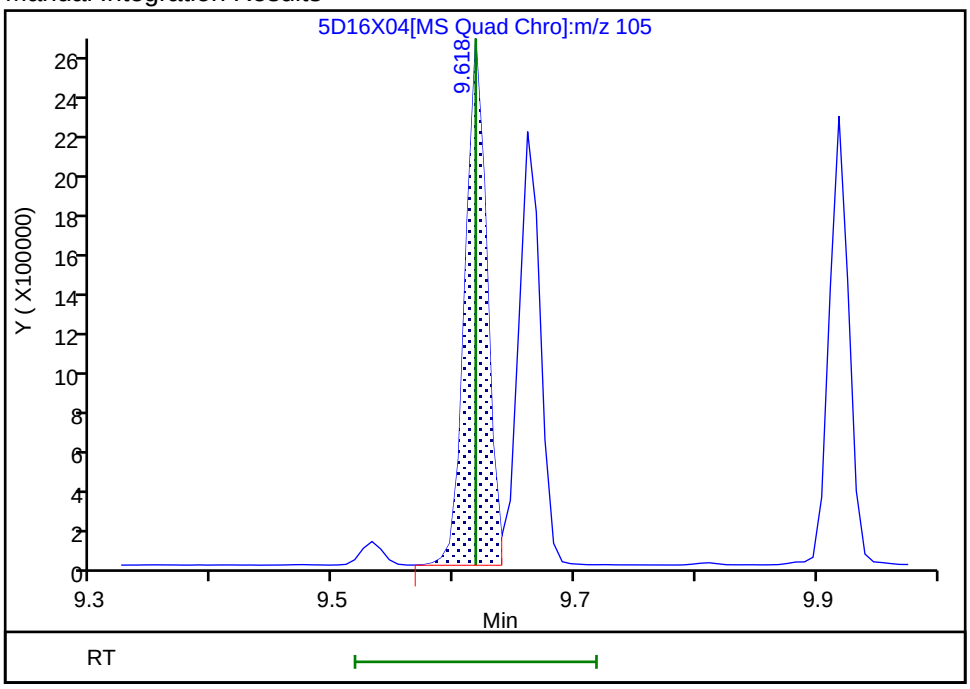
Processing Integration Results

RT: 9.62
Area: 6080086
Amount: 23.242688
Amount Units: ppb v/v



Manual Integration Results

RT: 9.62
Area: 3330543
Amount: 12.731855
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 21:43:09

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

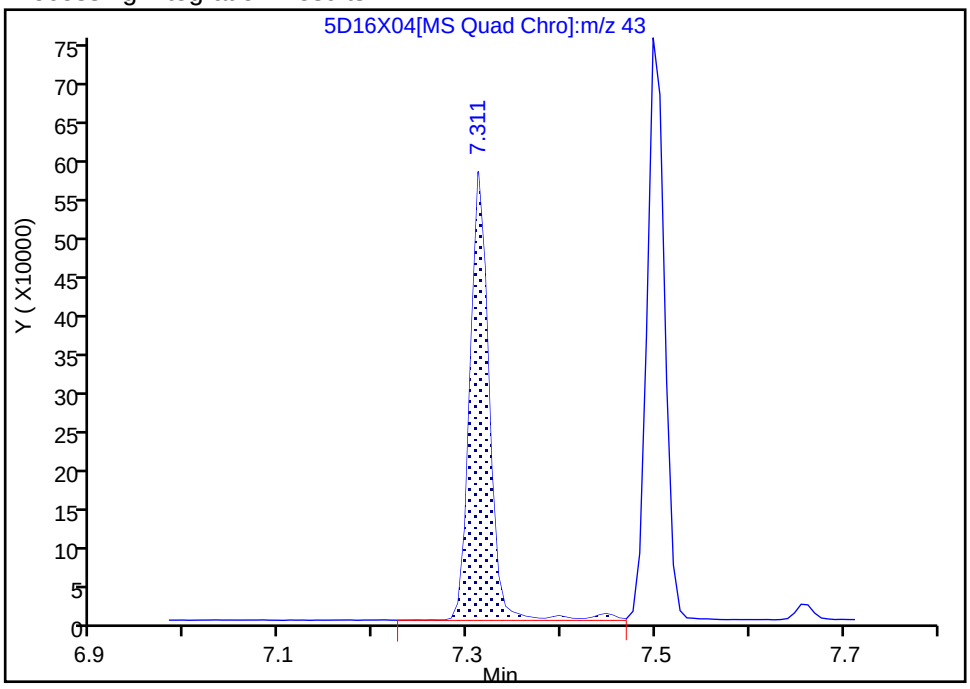
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X04.D				
Injection Date:	16-Dec-2021 20:25:25	Instrument ID:	HP22820		
Lims ID:	LCS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

58 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

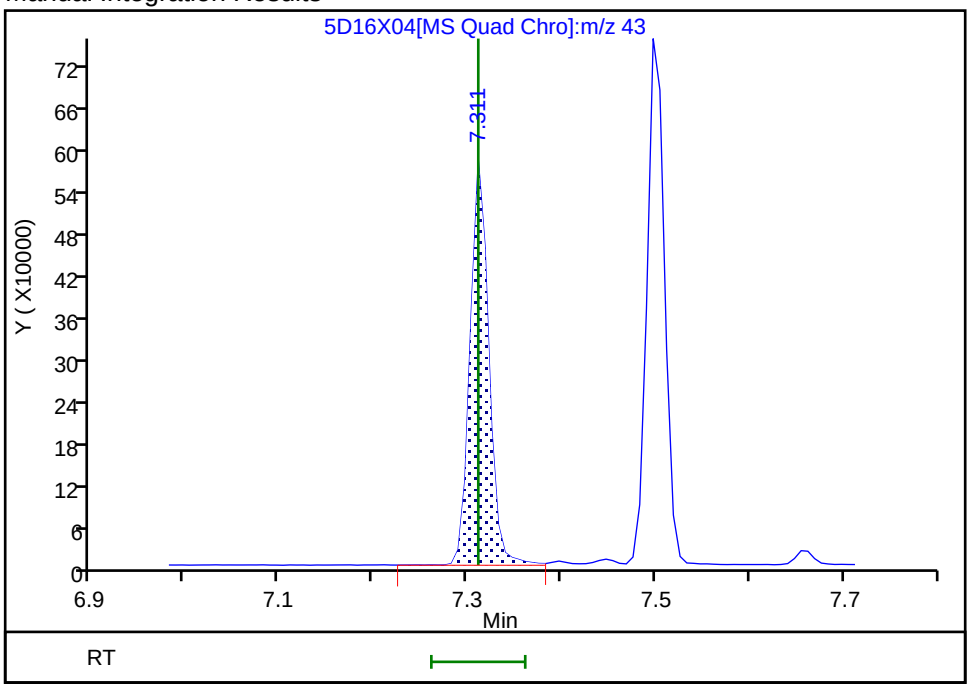
Processing Integration Results

RT: 7.31
Area: 827038
Amount: 10.835361
Amount Units: ppb v/v



Manual Integration Results

RT: 7.31
Area: 804550
Amount: 10.540736
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 21:42:37
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

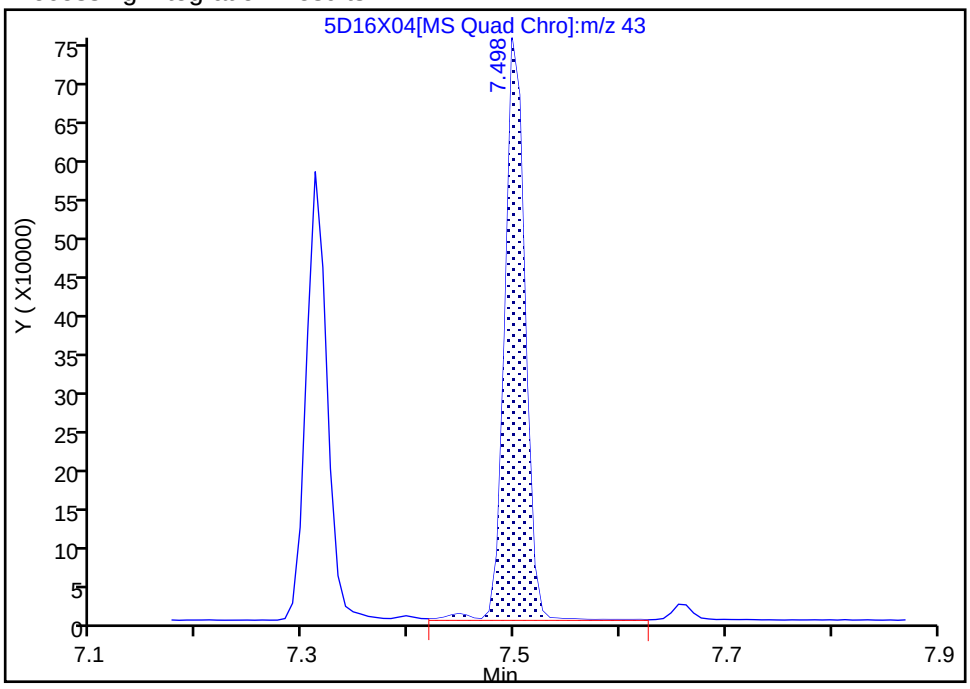
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X04.D				
Injection Date:	16-Dec-2021 20:25:25	Instrument ID:	HP22820		
Lims ID:	LCS				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

60 n-Octane, CAS: 111-65-9

Signal: 1

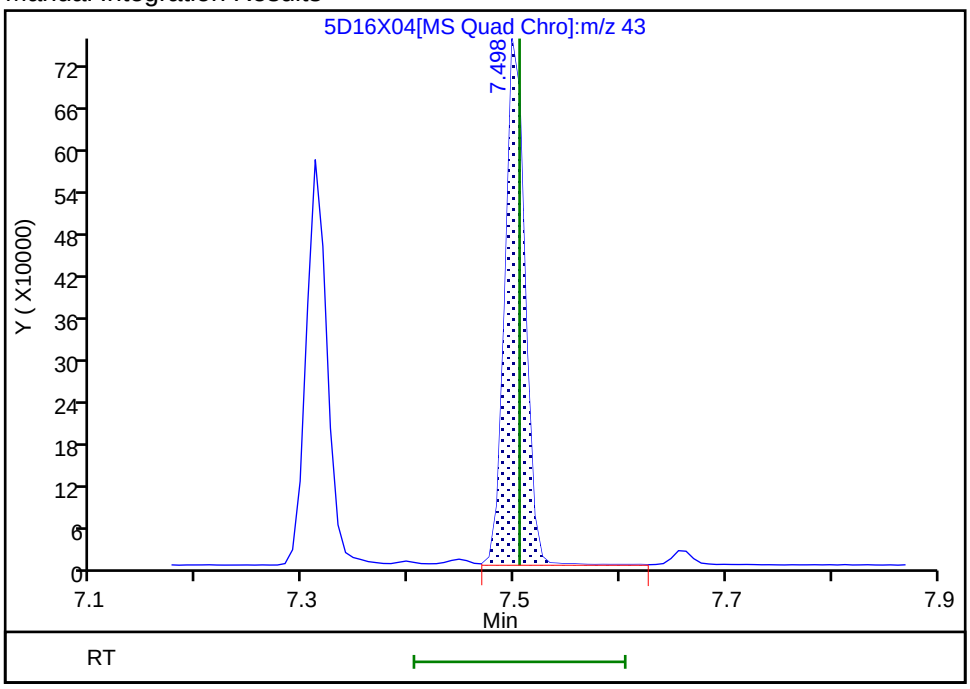
Processing Integration Results

RT: 7.50
Area: 1013998
Amount: 11.132102
Amount Units: ppb v/v



Manual Integration Results

RT: 7.50
Area: 999699
Amount: 10.975122
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 21:42:46

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-206378/5

Matrix: Air Lab File ID: 5D16X05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 12/16/2021 20:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 206378 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	70.2		6.9	1.0
71-55-6	1,1,1-Trichloroethane	58.3		5.5	0.65
79-34-5	1,1,2,2-Tetrachloroethane	67.0		6.9	1.0
79-00-5	1,1,2-Trichloroethane	53.9		5.5	0.65
75-34-3	1,1-Dichloroethane	41.9		4.0	0.36
75-35-4	1,1-Dichloroethene	43.7		4.0	0.56
96-18-4	1,2,3-Trichloropropane	61.1		6.0	0.84
95-63-6	1,2,4-Trimethylbenzene	66.2		9.8	1.4
106-93-4	1,2-Dibromoethane	77.3		7.7	1.0
95-50-1	1,2-Dichlorobenzene	66.5		6.0	1.2
107-06-2	1,2-Dichloroethane	40.5		4.0	0.32
78-87-5	1,2-Dichloropropane	45.5		4.6	0.60
108-67-8	1,3,5-Trimethylbenzene	60.4		9.8	1.6
106-99-0	1,3-Butadiene	23.1		2.2	0.38
541-73-1	1,3-Dichlorobenzene	67.4		6.0	1.8
106-46-7	1,4-Dichlorobenzene	65.9		6.0	1.8
78-93-3	2-Butanone	31.5		2.9	0.62
591-78-6	2-Hexanone	40.9		4.1	0.74
107-05-1	3-Chloroprene	33.8		3.1	0.63
622-96-8	4-Ethyltoluene	61.8		4.9	0.88
108-10-1	4-Methyl-2-pentanone	44.3		4.1	0.61
67-64-1	Acetone	23.7		12	1.3
71-43-2	Benzene	30.8		3.2	0.35
108-86-1	Bromobenzene	65.8		6.4	1.3
75-27-4	Bromodichloromethane	66.9		6.7	0.80
75-25-2	Bromoform	99.4		10	1.8
74-83-9	Bromomethane	39.4		3.9	0.78
75-15-0	Carbon disulfide	32.0		3.1	0.40
56-23-5	Carbon tetrachloride	67.5		6.3	0.88
108-90-7	Chlorobenzene	46.2		4.6	0.60
75-45-6	Chlorodifluoromethane	38.7		3.5	0.53
75-00-3	Chloroethane	23.6		2.6	0.79
67-66-3	Chloroform	50.1		4.9	0.45
74-87-3	Chloromethane	17.2		2.1	0.50
156-59-2	cis-1,2-Dichloroethene	42.0		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	48.2		4.5	0.45

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

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-66301-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 410-206378/5

Matrix: Air Lab File ID: 5D16X05.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 12/16/2021 20:50

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 206378 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Cumene	63.0		4.9	1.2
124-48-1	Dibromochloromethane	86.0		8.5	1.1
74-95-3	Dibromomethane	70.9		7.1	1.0
75-71-8	Dichlorodifluoromethane	52.3		4.9	0.64
75-43-4	Dichlorofluoromethane	46.4		4.2	0.46
100-41-4	Ethylbenzene	49.8		4.3	0.83
76-13-1	Freon 113	79.1		7.7	1.5
76-14-2	Freon-114	72.7		7.0	0.84
142-82-5	Heptane	44.8		4.1	0.94
67-72-1	Hexachloroethane	81.3		19	2.6
110-54-3	Hexane	38.3		3.5	1.1
540-84-1	Isooctane	53.0		4.7	0.93
179601-23-1	m&p-Xylene	50.4		4.3	1.1
1634-04-4	Methyl t-butyl ether	42.2		3.6	0.54
75-09-2	Methylene Chloride	35.7		6.9	0.87
95-47-6	o-Xylene	53.2		4.3	0.83
111-65-9	Octane	51.8		9.3	1.9
109-66-0	Pentane	30.8		3.0	0.59
100-42-5	Styrene	54.0		4.3	0.85
127-18-4	Tetrachloroethene	78.4		14	1.7
108-88-3	Toluene	38.9		3.8	0.45
156-60-5	trans-1,2-Dichloroethene	43.3		4.0	0.79
10061-02-6	trans-1,3-Dichloropropene	48.3		4.5	0.54
79-01-6	Trichloroethene	53.8		5.4	0.97
75-69-4	Trichlorofluoromethane	57.7		5.6	0.84
75-01-4	Vinyl chloride	27.2		2.6	0.31

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X05.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 16-Dec-2021 20:50:19 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 410-0046560-005
Operator ID: etp33087 Instrument ID: HP22820

Method: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\AirMS_TO15_HP22820.m
Limit Group: MSV - TO15
Last Update: 17-Dec-2021 21:46:00 Calib Date: 01-Dec-2021 04:27:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP22820\20211130-45222.b\5N30X38.D

Column 1 : DB-624 30m .25mm (0.25 mm) Det: MS Quad
Process Host: CTX1636

First Level Reviewer: proctore Date: 16-Dec-2021 21:47:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	1.645	1.645	0.000	98	289443	10.0	9.79	
2 Dichlorodifluoromethane	85	1.681	1.681	0.000	99	1449871	10.0	10.6	
3 Chlorodifluoromethane	51	1.702	1.688	-0.001	96	703529	10.0	11.0	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	1.810	1.812	0.000	95	1518372	10.0	10.4	
5 Chloromethane	50	1.882	1.867	0.007	99	265934	10.0	8.33	
6 Vinyl chloride	62	2.010	2.006	0.007	98	478453	10.0	10.6	
7 Butadiene	54	2.039	2.042	0.000	89	328639	10.0	10.5	
8 Bromomethane	94	2.383	2.386	0.000	90	484535	10.0	10.1	
9 Chloroethane	64	2.505	2.508	0.000	99	263811	10.0	8.95	
10 Vinyl bromide	106	2.727	2.730	0.000	99	520185	10.0	10.6	
11 Dichlorofluoromethane	67	2.763	2.766	0.000	97	1125895	10.0	11.0	
12 Trichlorofluoromethane	101	2.798	2.802	-0.001	99	1548690	10.0	10.3	
13 Pentane	43	2.906	2.920	0.000	95	615899	10.0	10.4	
14 Ethanol	45	3.106	3.114	-0.008	99	96271	10.0	8.10	
15 Acrolein	56	3.364	3.364	0.000	99	155510	10.0	11.6	
16 1,1-Dichloroethene	61	3.450	3.455	0.000	95	744139	10.0	11.0	
17 112TCTFE	103	3.465	3.469	0.000	91	830961	10.0	10.3	
18 Acetone	43	3.550	3.551	-0.001	100	556655	10.0	9.98	
19 Iodomethane	142	3.622	3.627	0.000	99	1427140	10.0	9.76	
20 Carbon disulfide	76	3.679	3.684	-0.001	98	1413466	10.0	10.3	
21 Isopropyl alcohol	45	3.737	3.737	0.000	97	469377	10.0	10.1	
22 3-Chloro-1-propene	41	3.887	3.892	0.000	94	772271	10.0	10.8	a
23 Acetonitrile	41	3.887	3.916	0.000	86	772271	10.0	10.8	
24 Methylene Chloride	84	4.030	4.036	-0.001	84	486228	10.0	10.3	
25 2-Methyl-2-propanol	59	4.174	4.179	0.000	99	679355	10.0	10.6	
26 trans-1,2-Dichloroethene	61	4.303	4.308	0.000	96	680546	10.0	10.9	
27 Methyl tert-butyl ether	73	4.303	4.315	-0.007	95	1290337	10.0	11.7	
28 Acrylonitrile	53	4.310	4.316	0.000	99	352314	10.0	10.7	
29 Hexane	56	4.568	4.567	0.007	89	348702	10.0	10.9	
30 1,1-Dichloroethane	63	4.725	4.731	0.000	96	875642	10.0	10.3	
32 Vinyl acetate	43	4.783	4.783	0.000	98	1624252	10.0	11.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
31 Isopropyl ether	45	4.790	4.796	0.000	83	1306141	10.0	11.6	
33 Tert-butyl ethyl ether	59	5.119	5.126	0.000	95	1218812	10.0	11.5	
34 cis-1,2-Dichloroethene	61	5.255	5.262	-0.001	75	628168	10.0	10.6	
35 2-Butanone (MEK)	43	5.277	5.284	0.000	99	648093	10.0	10.7	M
36 Ethyl acetate	43	5.327	5.327	0.000	97	882253	10.0	10.3	
37 Methyl acrylate	55	5.356	5.363	0.000	99	711301	10.0	11.0	
* 38 Chlorobromomethane (IS)	130	5.463	5.463	0.000	83	257424	10.0	10.0	
39 Tetrahydrofuran	42	5.499	5.499	0.000	82	417641	10.0	10.7	
40 Chloroform	83	5.535	5.535	0.007	92	1186929	10.0	10.3	
41 1,1,1-Trichloroethane	97	5.671	5.678	0.000	97	1219223	10.0	10.7	
42 Cyclohexane	56	5.707	5.707	0.000	85	679263	10.0	11.5	
43 Carbon tetrachloride	117	5.807	5.814	0.000	95	1298021	10.0	10.7	
44 Benzene	78	5.979	5.979	0.000	94	1637704	10.0	9.64	
45 1,2-Dichloroethane	62	6.000	6.007	0.000	98	705954	10.0	10.0	
46 Isooctane	57	6.029	6.036	0.000	95	2042043	10.0	11.3	
47 Tert-amyl methyl ether	73	6.058	6.065	0.000	96	1267866	10.0	11.5	
48 n-Heptane	71	6.165	6.165	0.000	86	544902	10.0	10.9	
* 49 1,4-Difluorobenzene	114	6.280	6.280	0.000	93	1182454	10.0	10.0	
50 Trichloroethene	130	6.480	6.480	0.000	96	888332	10.0	10.0	
51 Ethyl acrylate	55	6.559	6.567	0.000	99	828891	10.0	10.6	
52 1,2-Dichloropropane	63	6.659	6.667	0.000	96	552391	10.0	9.84	
53 Methyl methacrylate	69	6.738	6.746	0.000	83	496371	10.0	10.9	
54 Dibromomethane	174	6.760	6.767	0.000	94	863025	10.0	9.97	
55 1,4-Dioxane	88	6.760	6.767	0.000	86	328423	10.0	9.71	
56 Dichlorobromomethane	83	6.867	6.875	0.000	98	1220189	10.0	9.98	
57 cis-1,3-Dichloropropene	75	7.204	7.212	0.000	98	897278	10.0	10.6	
58 4-Methyl-2-pentanone (MIBK)	43	7.311	7.319	0.000	93	817779	10.0	10.8	M
59 Toluene	91	7.447	7.447	0.000	99	2098022	10.0	10.3	
60 n-Octane	43	7.497	7.498	-0.008	77	1015513	10.0	11.1	
61 trans-1,3-Dichloropropene	75	7.612	7.612	0.000	89	797601	10.0	10.6	M
62 Ethyl methacrylate	69	7.655	7.662	-0.007	86	817482	10.0	11.3	
63 1,1,2-Trichloroethane	97	7.755	7.755	0.000	89	767288	10.0	9.88	
64 Tetrachloroethene	166	7.848	7.856	-0.008	98	1490334	10.0	11.6	
65 2-Hexanone	43	7.927	7.927	0.000	93	636269	10.0	9.98	
66 Chlorodibromomethane	127	8.049	8.056	-0.007	89	1084340	10.0	10.1	
67 Ethylene Dibromide	107	8.142	8.149	-0.007	99	1210625	10.0	10.1	
* 68 Chlorobenzene-d5 (IS)	117	8.479	8.479	0.000	82	1283926	10.0	10.0	
69 Chlorobenzene	112	8.500	8.500	0.000	98	1849404	10.0	10.0	
70 1,1,1,2-Tetrachloroethane	131	8.557	8.558	-0.001	96	1060835	10.0	10.2	
71 Ethylbenzene	91	8.565	8.572	0.000	97	2754832	10.0	11.5	
72 m-Xylene & p-Xylene	91	8.651	8.651	0.000	98	2118976	10.0	11.6	
73 o-Xylene	91	8.951	8.952	-0.001	96	2149986	10.0	12.3	
74 Styrene	104	8.959	8.951	-0.007	94	1785010	10.0	12.7	
75 Bromoform	173	9.123	9.123	-0.001	99	1401442	10.0	9.62	
76 Isopropylbenzene	105	9.224	9.224	0.000	95	3196439	10.0	12.8	
77 1,1,2,2-Tetrachloroethane	83	9.453	9.453	0.000	95	1586303	10.0	9.76	M
78 Bromobenzene	156	9.474	9.475	-0.001	86	1196518	10.0	10.3	
79 1,2,3-Trichloropropane	110	9.496	9.496	0.000	81	552267	10.0	10.1	
80 N-Propylbenzene	120	9.532	9.532	0.000	98	957982	10.0	11.5	
82 2-Chlorotoluene	126	9.610	9.610	-0.001	96	895057	10.0	11.2	
81 4-Ethyltoluene	105	9.610	9.618	-0.008	96	3305715	10.0	12.6	
83 1,3,5-Trimethylbenzene	105	9.653	9.661	-0.008	95	2780430	10.0	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Alpha Methyl Styrene	118	9.825	9.833	-0.008	89	1318378	10.0	12.8	
85 tert-Butylbenzene	119	9.897	9.911	-0.014	91	2746056	10.0	12.6	M
86 1,2,4-Trimethylbenzene	105	9.933	9.933	-0.014	97	2795928	10.0	13.5	
87 sec-Butylbenzene	105	10.062	10.076	-0.014	93	4028626	10.0	13.3	
89 4-Isopropyltoluene	119	10.162	10.176	-0.015	96	3585799	10.0	13.7	
88 1,3-Dichlorobenzene	146	10.162	10.176	-0.015	75	2149744	10.0	11.2	
90 1,4-Dichlorobenzene	146	10.226	10.241	-0.015	96	2101328	10.0	11.0	
91 Benzyl chloride	126	10.334	10.348	-0.014	97	479867	10.0	12.6	
92 n-Butylbenzene	92	10.477	10.492	-0.015	97	1692581	10.0	13.2	
93 1,2-Dichlorobenzene	146	10.520	10.534	-0.015	100	1991318	10.0	11.1	
94 Hexachloroethane	117	10.706	10.721	-0.015	95	870419	10.0	8.39	
95 1,2-Dibromo-3-Chloropropane	157	11.115	11.129	-0.014	93	987847	10.0	10.6	
96 1,2,4-Trichlorobenzene	180	11.745	11.752	-0.007	94	1565990	10.0	12.7	
97 Hexachlorobutadiene	225	11.860	11.867	-0.007	98	1446430	10.0	12.1	
98 Naphthalene	128	11.946	11.953	-0.007	96	3244628	10.0	16.1	
S 101 1,2-Dichloroethene, Total	61				0	1308714	20.0	21.5	
S 102 1,3-Dichloropropene, Total	75				0	1694879	20.0	21.3	
S 104 Xylenes, Total	91				0	4268962	20.0	23.8	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRLCS10.0_00147	Amount Added: 200.00	Units: mL	
AIRIS200 ppb_00087	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 17-Dec-2021 21:46:54 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X05.D

Injection Date: 16-Dec-2021 20:50:19 Instrument ID: HP22820

Lims ID: LCSD

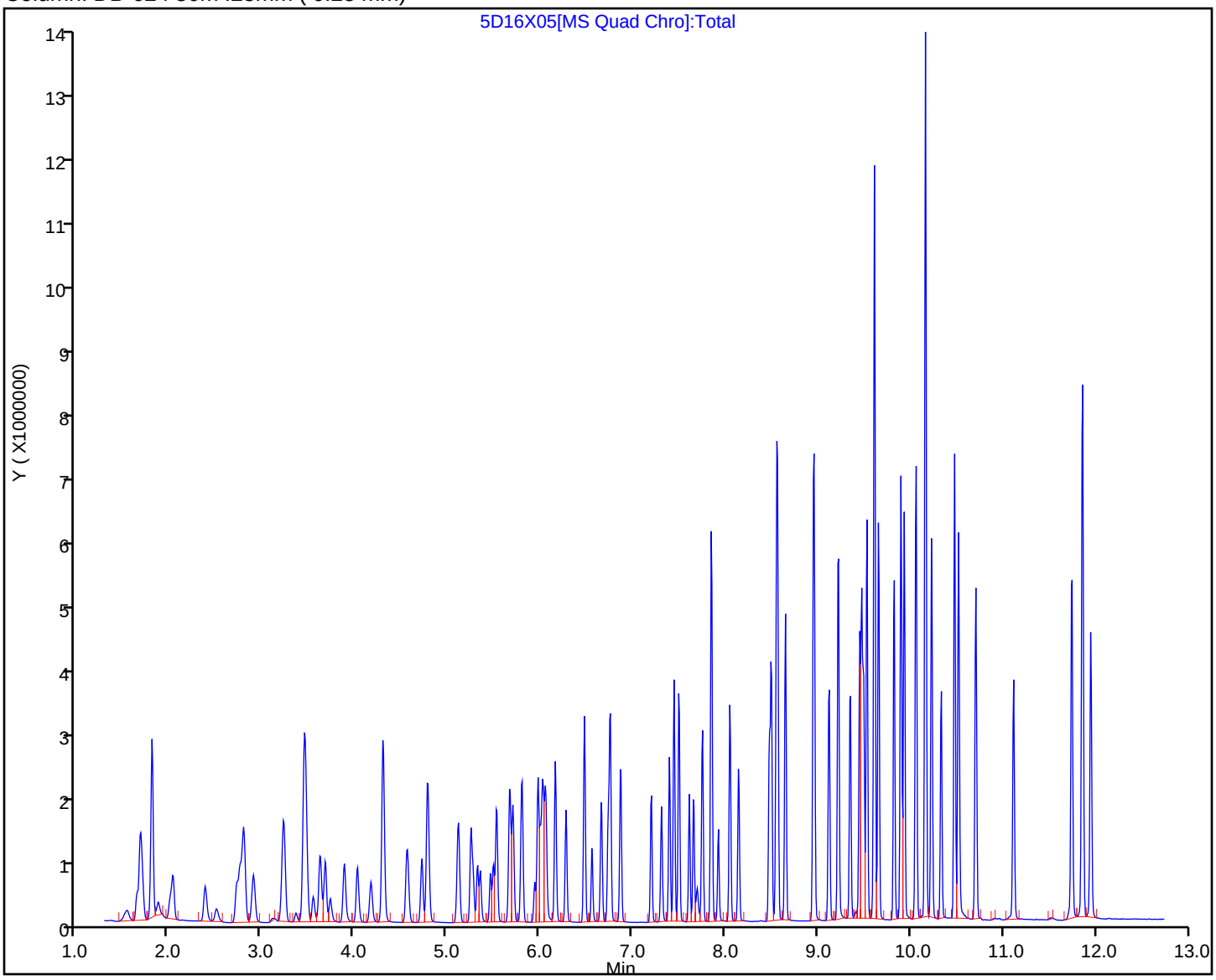
Client ID:

Operator ID: etp33087 ALS Bottle#: 0 Worklist Smp#: 5

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)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

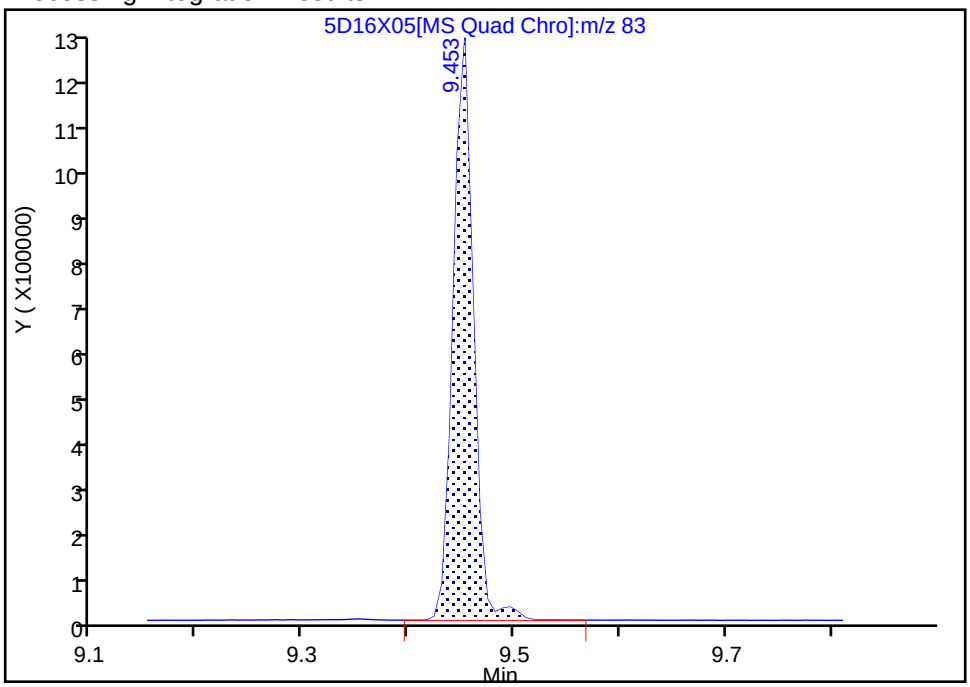
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X05.D				
Injection Date:	16-Dec-2021 20:50:19	Instrument ID:	HP22820		
Lims ID:	LCSD				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

77 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

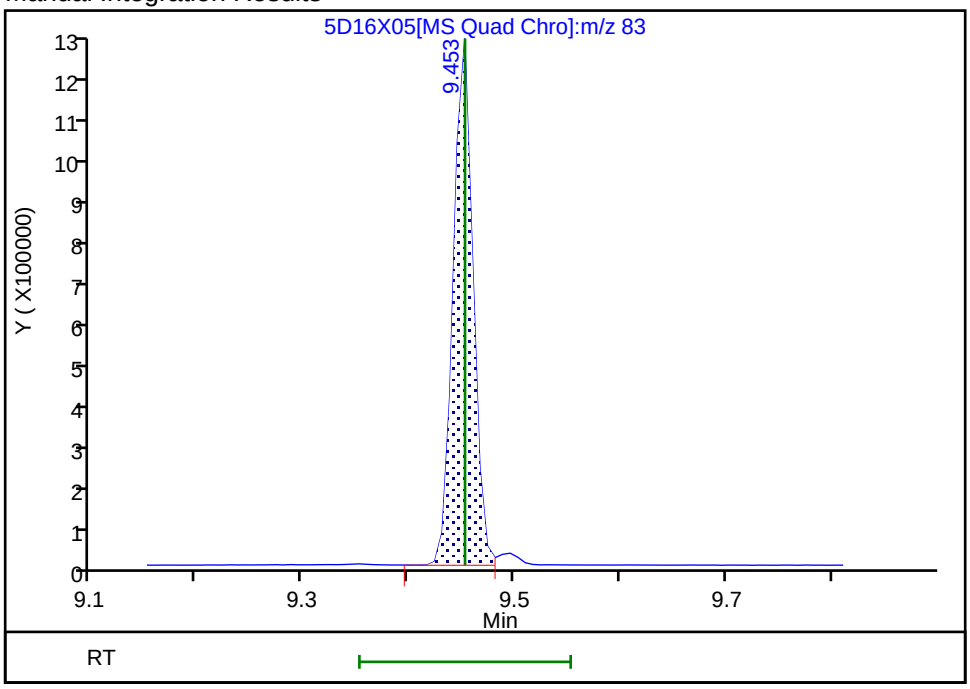
Processing Integration Results

RT: 9.45
Area: 1626694
Amount: 10.005603
Amount Units: ppb v/v



Manual Integration Results

RT: 9.45
Area: 1586303
Amount: 9.757163
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 21:46:52

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

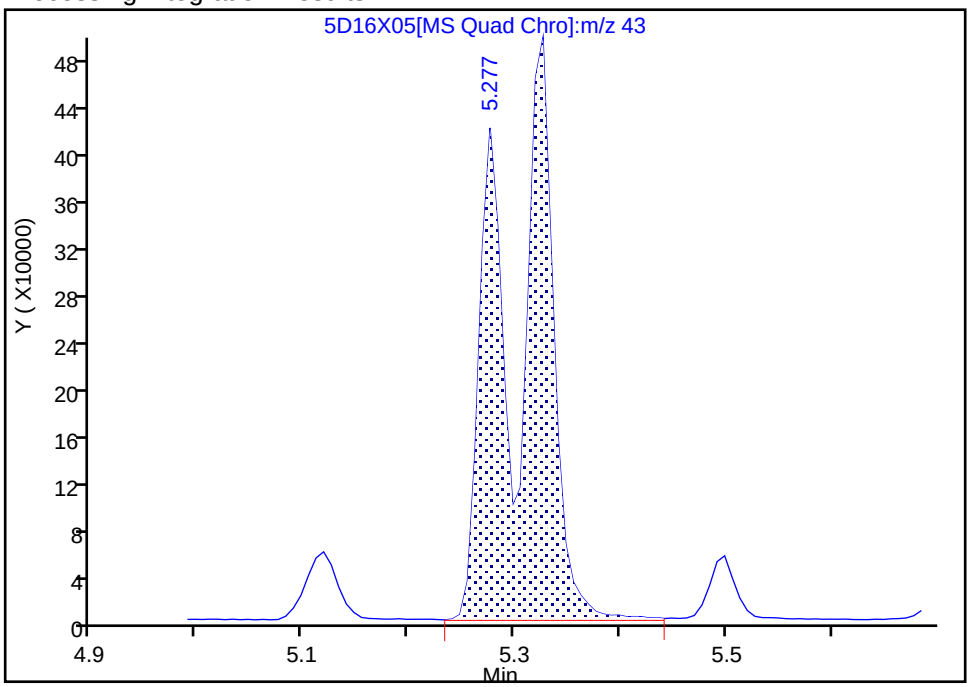
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X05.D				
Injection Date:	16-Dec-2021 20:50:19	Instrument ID:	HP22820		
Lims ID:	LCSD				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

35 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

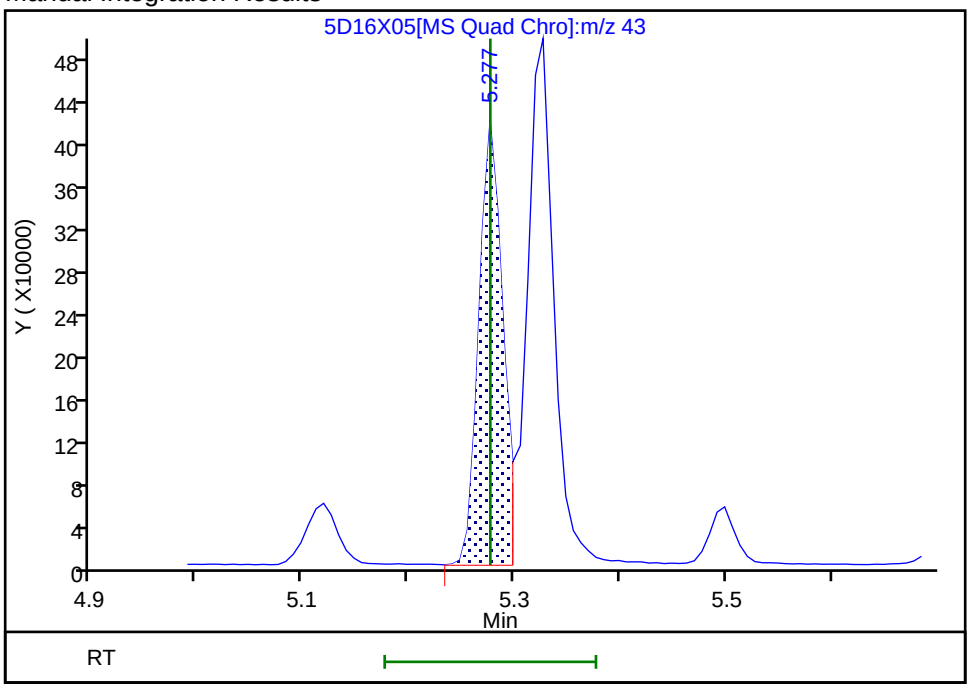
Processing Integration Results

RT: 5.28
Area: 1530347
Amount: 25.204656
Amount Units: ppb v/v



Manual Integration Results

RT: 5.28
Area: 648093
Amount: 10.674024
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 21:46:15

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

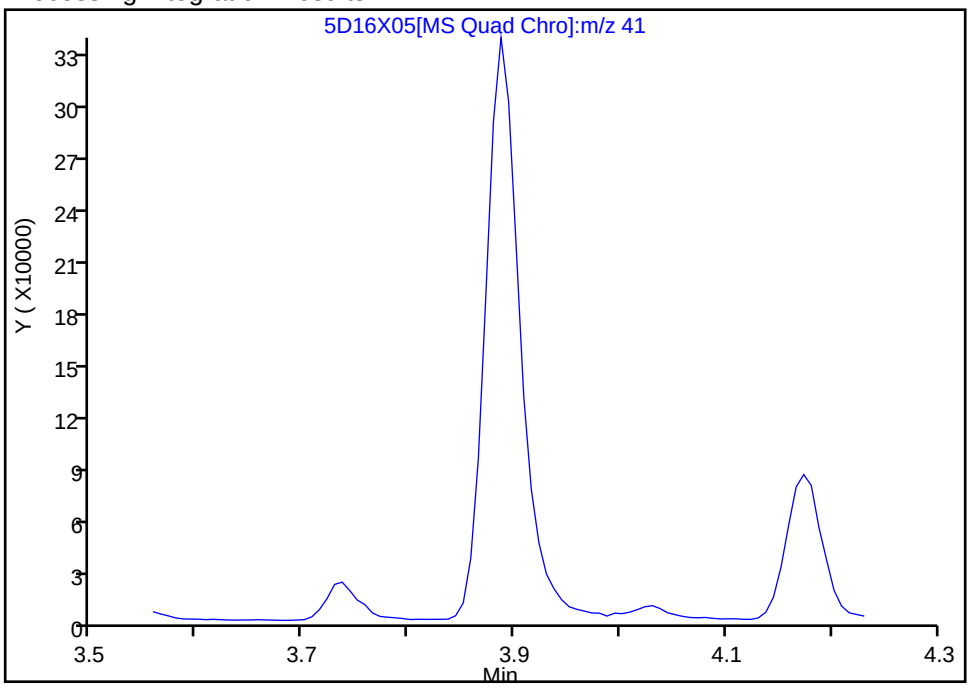
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X05.D				
Injection Date:	16-Dec-2021 20:50:19	Instrument ID:	HP22820		
Lims ID:	LCSD				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

22 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

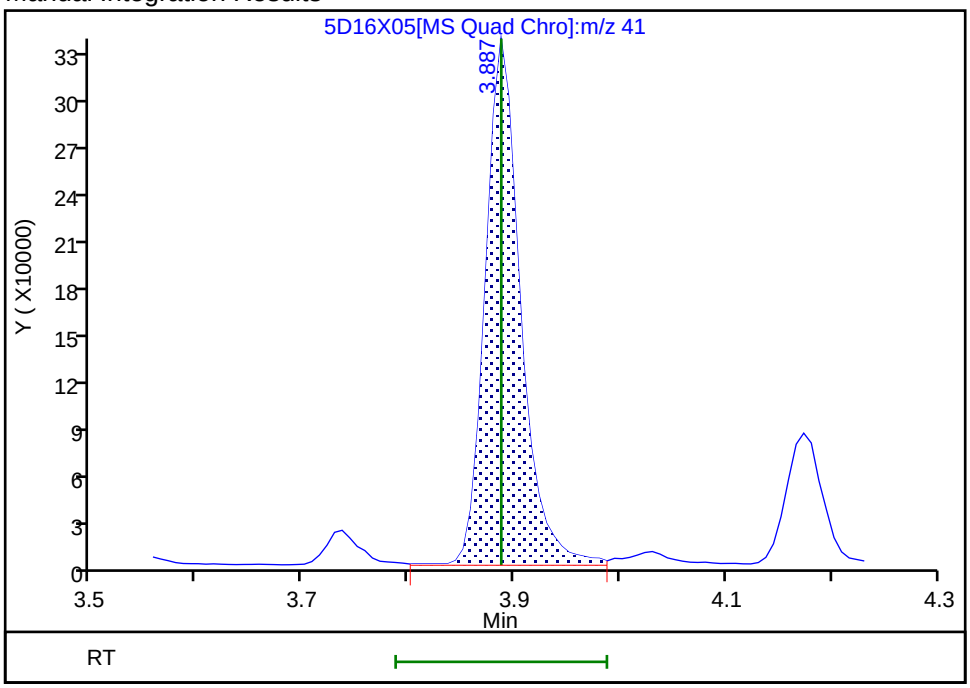
Not Detected
Expected RT: 3.89

Processing Integration Results



Manual Integration Results

RT: 3.89
Area: 772271
Amount: 10.802421
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 21:45:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Env, LLC

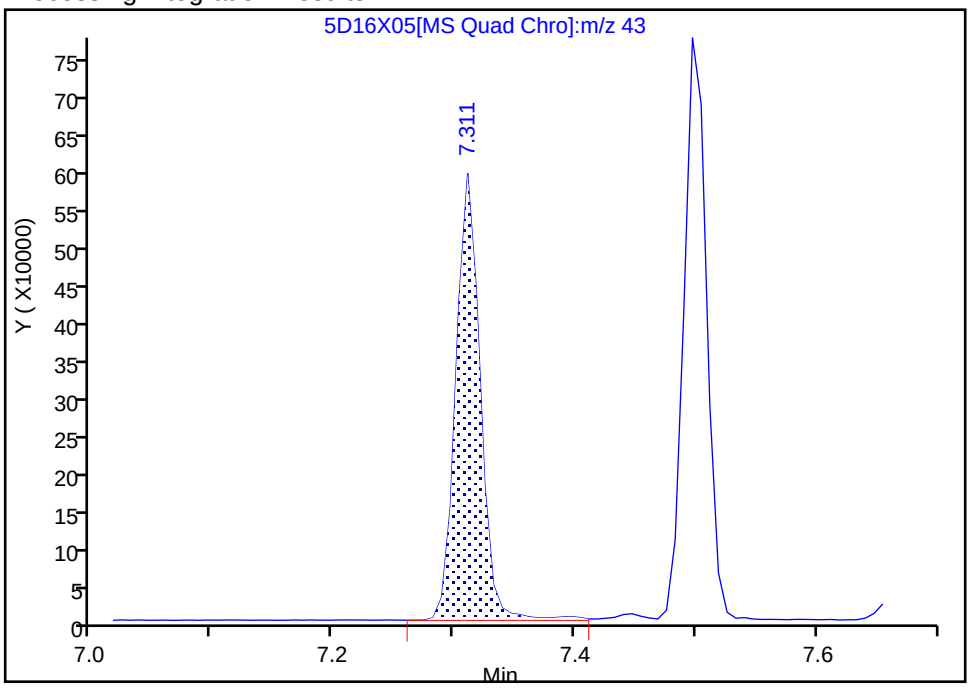
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X05.D				
Injection Date:	16-Dec-2021 20:50:19	Instrument ID:	HP22820		
Lims ID:	LCSD				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

58 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

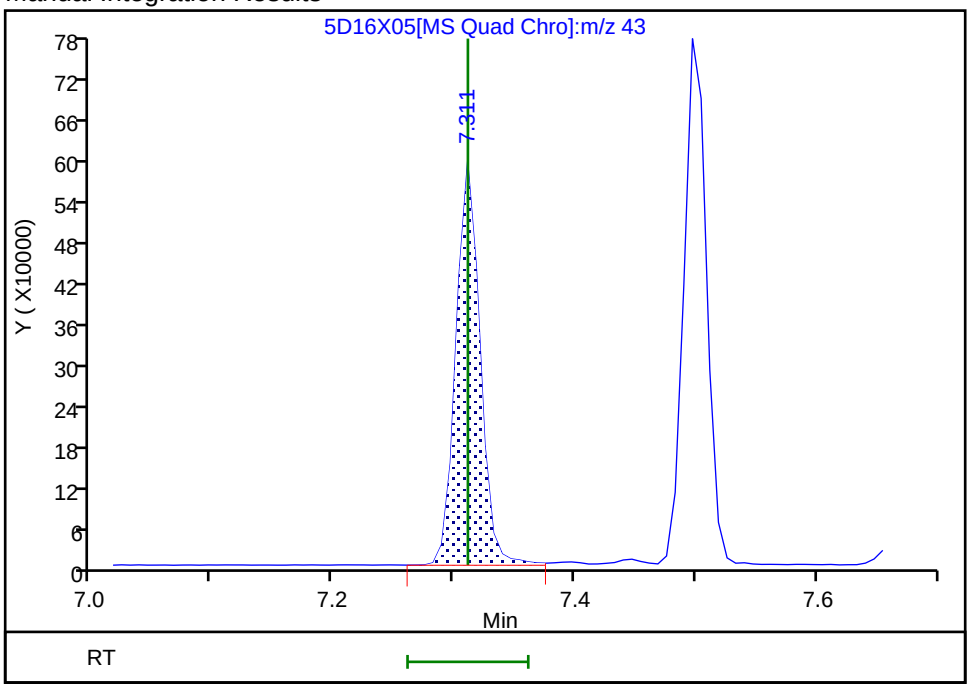
Processing Integration Results

RT: 7.31
Area: 825929
Amount: 10.925859
Amount Units: ppb v/v



Manual Integration Results

RT: 7.31
Area: 817779
Amount: 10.818046
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 21:46:31

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC

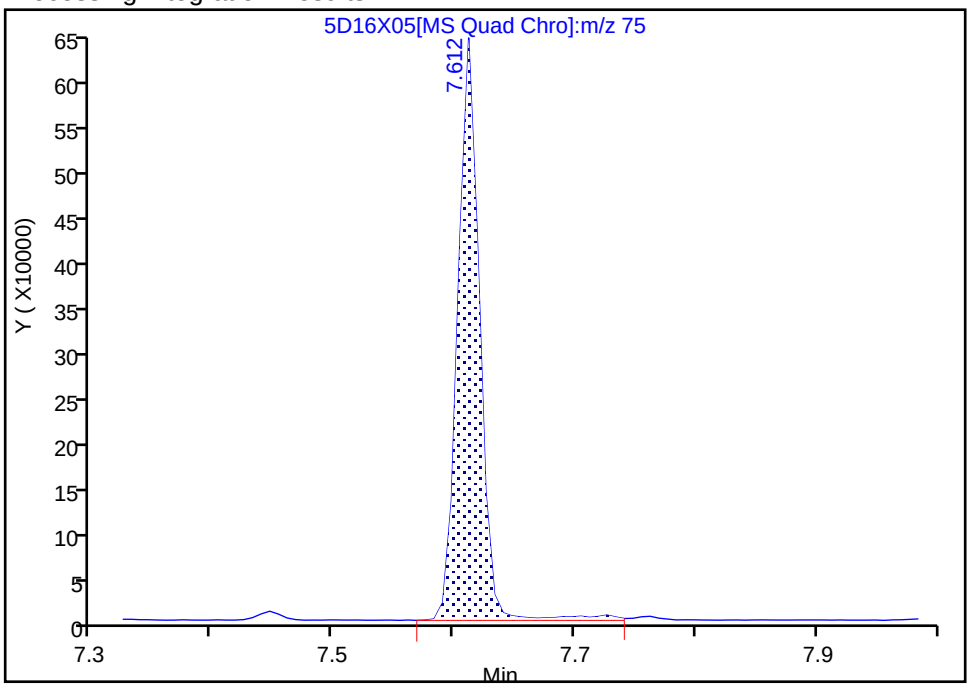
Data File:	\\chromfs\Lancaster\ChromData\HP22820\20211216-46560.b\5D16X05.D				
Injection Date:	16-Dec-2021 20:50:19	Instrument ID:	HP22820		
Lims ID:	LCSD				
Client ID:					
Operator ID:	etp33087	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_TO15_HP22820	Limit Group:	MSV - TO15		
Column:	DB-624 30m .25mm (0.25 mm)	Detector	MS Quad		

61 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

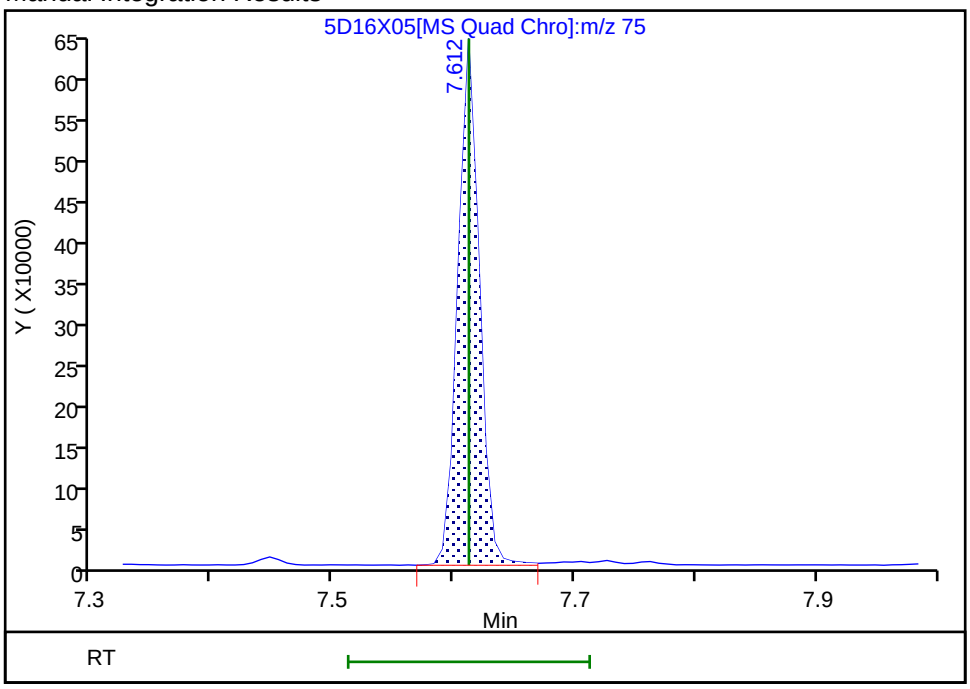
Processing Integration Results

RT: 7.61
Area: 813941
Amount: 10.848741
Amount Units: ppb v/v



Manual Integration Results

RT: 7.61
Area: 797601
Amount: 10.630951
Amount Units: ppb v/v



Reviewer: proctore, 16-Dec-2021 21:46:41
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-66301-1

SDG No.:

Instrument ID: HP22820 Start Date: 12/01/2021 00:34

Analysis Batch Number: 199946 End Date: 12/01/2021 04:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-199946/1		12/01/2021 00:34	1	5N30T31.D	DB-624 30m 0.25(mm)
IC 410-199946/3		12/01/2021 01:45	1	5N30X31.D	DB-624 30m 0.25(mm)
ZZZZZ		12/01/2021 01:45	1		DB-624 30m 0.25(mm)
IC 410-199946/4		12/01/2021 02:06	1	5N30X32.D	DB-624 30m 0.25(mm)
ZZZZZ		12/01/2021 02:06	1		DB-624 30m 0.25(mm)
IC 410-199946/5		12/01/2021 02:28	1	5N30X33.D	DB-624 30m 0.25(mm)
IC 410-199946/6		12/01/2021 02:50	1	5N30X34.D	DB-624 30m 0.25(mm)
IC 410-199946/7		12/01/2021 03:12	1	5N30X35.D	DB-624 30m 0.25(mm)
ICISAV 410-199946/8		12/01/2021 03:37	1	5N30X36.D	DB-624 30m 0.25(mm)
IC 410-199946/9		12/01/2021 04:00	1	5N30X37.D	DB-624 30m 0.25(mm)
IC 410-199946/10		12/01/2021 04:27	1	5N30X38.D	DB-624 30m 0.25(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-66301-1

SDG No.:

Instrument ID: HP22820 Start Date: 12/01/2021 18:55

Analysis Batch Number: 200386 End Date: 12/02/2021 04:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-200386/1		12/01/2021 18:55	1	5D01T01.D	DB-624 30m 0.25(mm)
CCVIS 410-200386/3		12/01/2021 19:58	1		DB-624 30m 0.25(mm)
ZZZZZ		12/01/2021 21:57	1		DB-624 30m 0.25(mm)
ICV 410-200386/4		12/01/2021 22:22	1	5D01X08.D	DB-624 30m 0.25(mm)
ZZZZZ		12/01/2021 22:22	1		DB-624 30m 0.25(mm)
ZZZZZ		12/01/2021 22:47	1		DB-624 30m 0.25(mm)
ZZZZZ		12/01/2021 23:42	1		DB-624 30m 0.25(mm)
ZZZZZ		12/02/2021 00:07	1		DB-624 30m 0.25(mm)
ZZZZZ		12/02/2021 00:56	1		DB-624 30m 0.25(mm)
ZZZZZ		12/02/2021 01:21	1		DB-624 30m 0.25(mm)
ZZZZZ		12/02/2021 01:51	2		DB-624 30m 0.25(mm)
ZZZZZ		12/02/2021 02:12	10		DB-624 30m 0.25(mm)
ZZZZZ		12/02/2021 02:41	100		DB-624 30m 0.25(mm)
ZZZZZ		12/02/2021 03:49	10		DB-624 30m 0.25(mm)
ZZZZZ		12/02/2021 04:10	10		DB-624 30m 0.25(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-66301-1

SDG No.:

Instrument ID: HP22820 Start Date: 12/16/2021 18:38

Analysis Batch Number: 206378 End Date: 12/17/2021 18:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-206378/1		12/16/2021 18:38	1	5D16T01.D	DB-624 30m 0.25(mm)
CCVIS 410-206378/3		12/16/2021 19:42	1	5D16X02.D	DB-624 30m 0.25(mm)
LCS 410-206378/4		12/16/2021 20:25	1	5D16X04.D	DB-624 30m 0.25(mm)
LCSD 410-206378/5		12/16/2021 20:50	1	5D16X05.D	DB-624 30m 0.25(mm)
MB 410-206378/7		12/16/2021 21:40	1	5D16X07.D	DB-624 30m 0.25(mm)
ZZZZZ		12/16/2021 22:28	1		DB-624 30m 0.25(mm)
ZZZZZ		12/16/2021 22:53	1		DB-624 30m 0.25(mm)
ZZZZZ		12/16/2021 23:17	1		DB-624 30m 0.25(mm)
ZZZZZ		12/16/2021 23:43	1		DB-624 30m 0.25(mm)
ZZZZZ		12/17/2021 00:43	1		DB-624 30m 0.25(mm)
ZZZZZ		12/17/2021 01:12	1		DB-624 30m 0.25(mm)
ZZZZZ		12/17/2021 02:54	1		DB-624 30m 0.25(mm)
ZZZZZ		12/17/2021 03:23	1		DB-624 30m 0.25(mm)
ZZZZZ		12/17/2021 04:13	1		DB-624 30m 0.25(mm)
410-66301-1	SV-1-20211208	12/17/2021 05:04	1	5D16X23.D	DB-624 30m 0.25(mm)
410-66301-2	IA-1-20211208	12/17/2021 05:54	1	5D16X25.D	DB-624 30m 0.25(mm)
410-66301-3	AA-1-20211208	12/17/2021 06:47	1	5D16X27.D	DB-624 30m 0.25(mm)
ZZZZZ		12/17/2021 07:38	1		DB-624 30m 0.25(mm)
ZZZZZ		12/17/2021 08:29	1		DB-624 30m 0.25(mm)
ZZZZZ		12/17/2021 18:33	1		DB-624 30m 0.25(mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-66301-1

SDG No.:

Batch Number: 199946 Batch Start Date: 12/01/21 00:34 Batch Analyst: Proctor, Evan

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AIRBFB100ppb 00018	AIRCAL10.0 00149	AIRCAL2.0 00052	AIRCAL50.0 00055
BFB 410-199946/1		TO-15		200 mL	200 mL	20 mL			
IC 410-199946/3		TO-15		200 mL	200 mL			20 mL	
IC 410-199946/4		TO-15		200 mL	200 mL			50 mL	
IC 410-199946/5		TO-15		200 mL	200 mL		20 mL		
IC 410-199946/6		TO-15		200 mL	200 mL		40 mL		
IC 410-199946/7		TO-15		200 mL	200 mL		100 mL		
ICISAV 410-199946/8		TO-15		200 mL	200 mL		200 mL		
IC 410-199946/9		TO-15		200 mL	200 mL				100 mL
IC 410-199946/10		TO-15		200 mL	200 mL				280 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AIRIS200 ppb 00080					
BFB 410-199946/1		TO-15							
IC 410-199946/3		TO-15		10 mL					
IC 410-199946/4		TO-15		10 mL					
IC 410-199946/5		TO-15		10 mL					
IC 410-199946/6		TO-15		10 mL					
IC 410-199946/7		TO-15		10 mL					
ICISAV 410-199946/8		TO-15		10 mL					
IC 410-199946/9		TO-15		10 mL					
IC 410-199946/10		TO-15		10 mL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-66301-1

SDG No.:

Batch Number: 200386 Batch Start Date: 12/01/21 18:55 Batch Analyst: Landry, Justin

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AIRBFB100ppb 00018	AIRIS200 ppb 00080	AIRLCS10.0 00144	
BFB 410-200386/1		TO-15		200 mL	200 mL	20 mL			
ICV 410-200386/4		TO-15		200 mL	200 mL		10 mL	200 mL	

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-66301-1

SDG No.:

Batch Number: 206378 Batch Start Date: 12/16/21 18:38 Batch Analyst: Proctor, Evan

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AIRBFB100ppb 00019	AIRCAL10.0 00160	AIRIS200 ppb 00087	AIRLCS10.0 00147
BFB 410-206378/1		TO-15		200 mL	200 mL	20 mL			
CCVIS 410-206378/3		TO-15		200 mL	200 mL		200 mL	10 mL	
LCS 410-206378/4		TO-15		200 mL	200 mL			10 mL	200 mL
LCSD 410-206378/5		TO-15		200 mL	200 mL			10 mL	200 mL
MB 410-206378/7		TO-15		200 mL	200 mL			10 mL	
410-66301-A-1	SV-1-20211208	TO-15	T	200 mL	200 mL			10 mL	
410-66301-A-2	IA-1-20211208	TO-15	T	200 mL	200 mL			10 mL	
410-66301-A-3	AA-1-20211208	TO-15	T	200 mL	200 mL			10 mL	

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Env, LLC Job No.: 410-63914-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6N17X05.D

Lab ID: LCS 410-196084/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	10.0	10.84	108	73-124	
1,1,1-Trichloroethane	10.0	10.36	104	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.13	101	68-138	
1,1,2-Trichloroethane	10.0	11.14	111	76-127	
1,1-Dichloroethane	10.0	10.78	108	70-130	
1,1-Dichloroethene	10.0	10.87	109	70-131	
1,2,3-Trichloropropane	10.0	10.02	100	70-136	
1,2,4-Trichlorobenzene	10.0	6.664	67	31-155	
1,2,4-Trimethylbenzene	10.0	10.45	104	65-146	
1,2-Dibromoethane	10.0	10.46	105	70-130	
1,2-Dibromo-3-Chloropropane	10.0	7.358	74	42-154	
1,2-Dichlorobenzene	10.0	8.769	88	61-139	
1,2-Dichloroethane	10.0	11.22	112	70-142	
1,2-Dichloropropane	10.0	10.82	108	70-130	
1,3,5-Trimethylbenzene	10.0	10.90	109	69-141	
1,2-Dichloroethene (total)	20.0	20.55	103	70-130	
1,3-Butadiene	10.0	11.89	119	70-131	
1,3-Dichlorobenzene	10.0	9.248	92	64-140	
1,4-Dichlorobenzene	10.0	9.182	92	64-137	
2-Butanone	10.0	10.01	100	70-130	
2-Hexanone	10.0	8.108	81	63-144	
1,3-Dichloropropene, Total	20.0	21.63	108	70-130	
3-Chloroprene	10.0	10.91	109	70-156	
4-Ethyltoluene	10.0	9.897	99	69-139	
4-Methyl-2-pentanone	10.0	9.032	90	68-133	
Acetone	10.0	10.37	104	70-137	
Benzene	10.0	11.32	113	70-130	
Bromobenzene	10.0	9.969	100	70-130	
Bromodichloromethane	10.0	11.21	112	75-134	
Bromoform	10.0	10.14	101	60-139	
Bromomethane	10.0	13.22	132	70-134	
Carbon disulfide	10.0	12.35	123	70-130	
Carbon tetrachloride	10.0	10.93	109	70-130	
Chlorobenzene	10.0	10.26	103	76-117	
Chlorodifluoromethane	10.0	12.38	124	70-141	
Chloroethane	10.0	12.52	125	70-131	
Chloroform	10.0	10.84	108	70-130	
Chloromethane	10.0	11.75	117	70-138	
cis-1,2-Dichloroethene	10.0	10.06	101	70-130	
cis-1,3-Dichloropropene	10.0	10.45	104	70-130	
Bromoethene	10.0	11.41	114	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Env, LLC Job No.: 410-63914-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6N17X05.D

Lab ID: LCS 410-196084/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Cumene	10.0	9.763	98	70-131	
Dibromochloromethane	10.0	11.36	114	74-131	
Dibromomethane	10.0	9.931	99	70-130	
Dichlorodifluoromethane	10.0	12.07	121	70-131	
Dichlorofluoromethane	10.0	12.66	127	70-136	
Ethylbenzene	10.0	9.884	99	70-130	
Freon 113	10.0	10.76	108	70-130	
Freon-114	10.0	11.69	117	70-130	
Heptane	10.0	11.40	114	70-130	
Hexachloroethane	10.0	10.73	107	38-163	
Hexane	10.0	11.94	119	70-130	
Isooctane	10.0	11.24	112	70-130	
m&p-Xylene	10.0	9.409	94	78-119	
Methyl t-butyl ether	10.0	10.06	101	70-130	
Methylene Chloride	10.0	11.73	117	70-139	
o-Xylene	10.0	8.866	89	70-130	
Octane	10.0	11.19	112	70-130	
Pentane	10.0	9.599	96	70-130	
Styrene	10.0	10.21	102	70-133	
Tetrachloroethene	10.0	10.38	104	70-130	
Toluene	10.0	10.38	104	70-130	
trans-1,2-Dichloroethene	10.0	10.49	105	70-130	
trans-1,3-Dichloropropene	10.0	11.18	112	70-130	
Trichloroethene	10.0	10.01	100	70-130	
Trichlorofluoromethane	10.0	11.09	111	70-130	
Vinyl chloride	10.0	14.04	140	70-135	*+
Isopropanol	10.0	8.799	88	69-141	
Naphthalene	10.0	5.615	56	17-179	
Xylenes, Total	20.0	18.28	91	70-130	
Methyl acrylate	10.0	9.977	100	75-130	
Tetrahydrofuran	10.0	9.938	99	70-131	
Ethyl acetate	10.0	9.087	91	62-160	
Methyl methacrylate	10.0	9.459	95	73-117	
tert-Butyl alcohol	10.0	8.082	81	67-145	
Benzyl chloride	10.0	9.723	97	42-160	
Hexachlorobutadiene	10.0	7.937	79	34-157	
n-Butylbenzene	10.0	9.488	95	57-149	
2-Chlorotoluene	10.0	10.43	104	70-137	
Acetonitrile	10.0	10.65	107	67-143	
Propene	10.0	9.966	100	66-127	
1,4-Dioxane	10.0	9.485	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Env, LLC Job No.: 410-63914-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6N17X05.D

Lab ID: LCS 410-196084/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Iodomethane	10.0	9.413	94	70-125	
Acrylonitrile	10.0	11.37	114	70-131	
Alpha Methyl Styrene	10.0	8.777	88	56-142	
Ethyl methacrylate	10.0	9.469	95	67-130	
sec-Butylbenzene	10.0	10.39	104	66-141	
N-Propylbenzene	10.0	9.185	92	70-130	
Ethyl tert-butyl ether	10.0	9.314	93	64-131	
di-Isopropyl ether	10.0	9.283	93	70-130	
Cyclohexane	10.0	9.463	95	70-130	
Acrolein	10.0	11.09	111	70-135	
Ethanol	10.0	8.095	81	38-150	
p-Isopropyltoluene	10.0	10.05	100	60-148	
Ethyl acrylate	10.0	8.771	88	71-126	
Tert-amyl methyl ether	10.0	9.475	95	78-124	
Vinyl acetate	10.0	9.926	99	70-151	
tert-Butylbenzene	10.0	10.36	104	63-142	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Env, LLC Job No.: 410-63914-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6N17X06.D

Lab ID: LCSD 410-196084/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCSD CONCENTRATION (ppb v/v)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	10.0	10.36	104	5	25	73-124	
1,1,1-Trichloroethane	10.0	9.994	100	4	25	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.711	97	4	25	68-138	
1,1,2-Trichloroethane	10.0	10.73	107	4	25	76-127	
1,1-Dichloroethane	10.0	10.40	104	4	25	70-130	
1,1-Dichloroethene	10.0	10.21	102	6	25	70-131	
1,2,3-Trichloropropane	10.0	9.719	97	3	25	70-136	
1,2,4-Trichlorobenzene	10.0	7.365	74	10	25	31-155	
1,2,4-Trimethylbenzene	10.0	10.01	100	4	25	65-146	
1,2-Dibromoethane	10.0	9.939	99	5	25	70-130	
1,2-Dibromo-3-Chloropropane	10.0	7.463	75	1	25	42-154	
1,2-Dichlorobenzene	10.0	8.621	86	2	25	61-139	
1,2-Dichloroethane	10.0	10.86	109	3	25	70-142	
1,2-Dichloropropane	10.0	10.61	106	2	25	70-130	
1,3,5-Trimethylbenzene	10.0	10.39	104	5	25	69-141	
1,2-Dichloroethene (total)	20.0	19.49	97	5	25	70-130	
1,3-Butadiene	10.0	11.07	111	7	25	70-131	
1,3-Dichlorobenzene	10.0	8.948	89	3	25	64-140	
1,4-Dichlorobenzene	10.0	8.854	89	4	25	64-137	
2-Butanone	10.0	9.299	93	7	25	70-130	
2-Hexanone	10.0	7.577	76	7	25	63-144	
1,3-Dichloropropene, Total	20.0	20.56	103	5	25	70-130	
3-Chloroprene	10.0	10.32	103	6	25	70-156	
4-Ethyltoluene	10.0	9.446	94	5	25	69-139	
4-Methyl-2-pentanone	10.0	8.712	87	4	25	68-133	
Acetone	10.0	9.824	98	5	25	70-137	
Benzene	10.0	11.09	111	2	25	70-130	
Bromobenzene	10.0	9.491	95	5	25	70-130	
Bromodichloromethane	10.0	10.96	110	2	25	75-134	
Bromoform	10.0	9.686	97	5	25	60-139	
Bromomethane	10.0	12.51	125	6	25	70-134	
Carbon disulfide	10.0	11.78	118	5	25	70-130	
Carbon tetrachloride	10.0	10.66	107	2	25	70-130	
Chlorobenzene	10.0	9.733	97	5	25	76-117	
Chlorodifluoromethane	10.0	11.69	117	6	25	70-141	
Chloroethane	10.0	11.60	116	8	25	70-131	
Chloroform	10.0	10.53	105	3	25	70-130	
Chloromethane	10.0	11.00	110	7	25	70-138	
cis-1,2-Dichloroethene	10.0	9.546	95	5	25	70-130	
cis-1,3-Dichloropropene	10.0	10.06	101	4	25	70-130	
Bromoethene	10.0	10.89	109	5	25	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Env, LLC Job No.: 410-63914-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6N17X06.D

Lab ID: LCSD 410-196084/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCSD CONCENTRATION (ppb v/v)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Cumene	10.0	9.283	93	5	25	70-131	
Dibromochloromethane	10.0	10.99	110	3	25	74-131	
Dibromomethane	10.0	9.861	99	1	25	70-130	
Dichlorodifluoromethane	10.0	11.50	115	5	25	70-131	
Dichlorofluoromethane	10.0	12.07	121	5	25	70-136	
Ethylbenzene	10.0	9.390	94	5	25	70-130	
Freon 113	10.0	10.23	102	5	25	70-130	
Freon-114	10.0	11.13	111	5	25	70-130	
Heptane	10.0	11.06	111	3	25	70-130	
Hexachloroethane	10.0	10.47	105	2	25	38-163	
Hexane	10.0	11.26	113	6	25	70-130	
Isooctane	10.0	10.94	109	3	25	70-130	
m&p-Xylene	10.0	8.893	89	6	25	78-119	
Methyl t-butyl ether	10.0	9.579	96	5	25	70-130	
Methylene Chloride	10.0	11.05	110	6	25	70-139	
o-Xylene	10.0	8.442	84	5	25	70-130	
Octane	10.0	10.33	103	8	25	70-130	
Pentane	10.0	8.884	89	8	25	70-130	
Styrene	10.0	9.647	96	6	25	70-133	
Tetrachloroethene	10.0	9.837	98	5	25	70-130	
Toluene	10.0	9.875	99	5	25	70-130	
trans-1,2-Dichloroethene	10.0	9.941	99	5	25	70-130	
trans-1,3-Dichloropropene	10.0	10.50	105	6	25	70-130	
Trichloroethene	10.0	9.726	97	3	25	70-130	
Trichlorofluoromethane	10.0	10.62	106	4	25	70-130	
Vinyl chloride	10.0	12.50	125	12	25	70-135	
Isopropanol	10.0	8.298	83	6	25	69-141	
Naphthalene	10.0	6.427	64	13	25	17-179	
Xylenes, Total	20.0	17.34	87	5	25	70-130	
Methyl acrylate	10.0	9.265	93	7	25	75-130	
Tetrahydrofuran	10.0	9.214	92	8	25	70-131	
Ethyl acetate	10.0	8.517	85	6	25	62-160	
Methyl methacrylate	10.0	8.914	89	6	25	73-117	
tert-Butyl alcohol	10.0	7.766	78	4	25	67-145	
Benzyl chloride	10.0	9.472	95	3	25	42-160	
Hexachlorobutadiene	10.0	8.500	85	7	25	34-157	
n-Butylbenzene	10.0	9.319	93	2	25	57-149	
2-Chlorotoluene	10.0	9.942	99	5	25	70-137	
Acetonitrile	10.0	10.16	102	5	25	67-143	
Propene	10.0	9.256	93	7	25	66-127	
1,4-Dioxane	10.0	9.418	94	1	25	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Env, LLC Job No.: 410-63914-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 6N17X06.D

Lab ID: LCSD 410-196084/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCSD CONCENTRATION (ppb v/v)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Iodomethane	10.0	9.161	92	3	25	70-125	
Acrylonitrile	10.0	10.70	107	6	25	70-131	
Alpha Methyl Styrene	10.0	8.401	84	4	25	56-142	
Ethyl methacrylate	10.0	8.986	90	5	25	67-130	
sec-Butylbenzene	10.0	10.01	100	4	25	66-141	
N-Propylbenzene	10.0	8.788	88	4	25	70-130	
Ethyl tert-butyl ether	10.0	8.797	88	6	25	64-131	
di-Isopropyl ether	10.0	8.688	87	7	25	70-130	
Cyclohexane	10.0	9.111	91	4	25	70-130	
Acrolein	10.0	10.38	104	7	25	70-135	
Ethanol	10.0	8.096	81	0	25	38-150	
p-Isopropyltoluene	10.0	9.752	98	3	25	60-148	
Ethyl acrylate	10.0	8.530	85	3	25	71-126	
Tert-amyl methyl ether	10.0	9.237	92	3	25	78-124	
Vinyl acetate	10.0	9.353	94	6	25	70-151	
tert-Butylbenzene	10.0	10.00	100	3	25	63-142	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories En Job No.: 410-63914-1

SDG No.:

Lab File ID: 6N17X08.D Lab Sample ID: MB 410-196084/8

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

Instrument ID: HP26379 Date Analyzed: 11/17/2021 23:31

GC Column: Rtx-VMS 60m ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-196084/4	6N17X05.D	11/17/2021 21:59
	LCSD 410-196084/5	6N17X06.D	11/17/2021 22:30
	410-62677-A-9 DU	6N17X11.D	11/18/2021 01:26
25	410-63914-1	6N17X22.D	11/18/2021 07:52

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

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63914-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-196084/8

Matrix: Air Lab File ID: 6N17X08.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 11/17/2021 23:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 196084 Units: ppb v/v

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		1.0	0.18
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	0.53
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	0.12
75-25-2	Bromoform	ND		1.0	0.17
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.13
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	0.15
75-00-3	Chloroethane	ND		1.0	0.30

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

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63914-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-196084/8

Matrix: Air Lab File ID: 6N17X08.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 11/17/2021 23:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 196084 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.24
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	0.13
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	0.20
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	0.12
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12
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	0.40
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

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

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63914-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-196084/8

Matrix: Air Lab File ID: 6N17X08.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 11/17/2021 23:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 196084 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP26379\20211117-44431.b\6N17X08.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 17-Nov-2021 23:31:02 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 410-0044431-008
Operator ID: ETP33087 Instrument ID: HP26379

Method: \\chromfs\Lancaster\ChromData\HP26379\20211117-44431.b\AirMS_HP26379.m
Limit Group: MSV - TO15
Last Update: 18-Nov-2021 09:24:47 Calib Date: 05-Nov-2021 04:26:51
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP26379\20211104-43352.b\6N04X10.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1660

First Level Reviewer: landryj Date: 18-Nov-2021 08:29:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 35 Chlorobromomethane (IS)	130	11.082	11.082	0.000	84	243223	10.0	10.0	
* 50 1,4-Difluorobenzene	114	13.357	13.357	0.000	93	673008	10.0	10.0	
* 68 Chlorobenzene-d5 (IS)	117	18.182	18.182	0.000	83	809286	10.0	10.0	
$ 110 BFB									

QC Flag Legend
Processing Flags

Reagents:
AIRIS200 ppb_00077 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 18-Nov-2021 09:24:56 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\HP26379\20211117-44431.b\6N17X08.D

Injection Date: 17-Nov-2021 23:31:02 Instrument ID: HP26379

Lims ID: MB

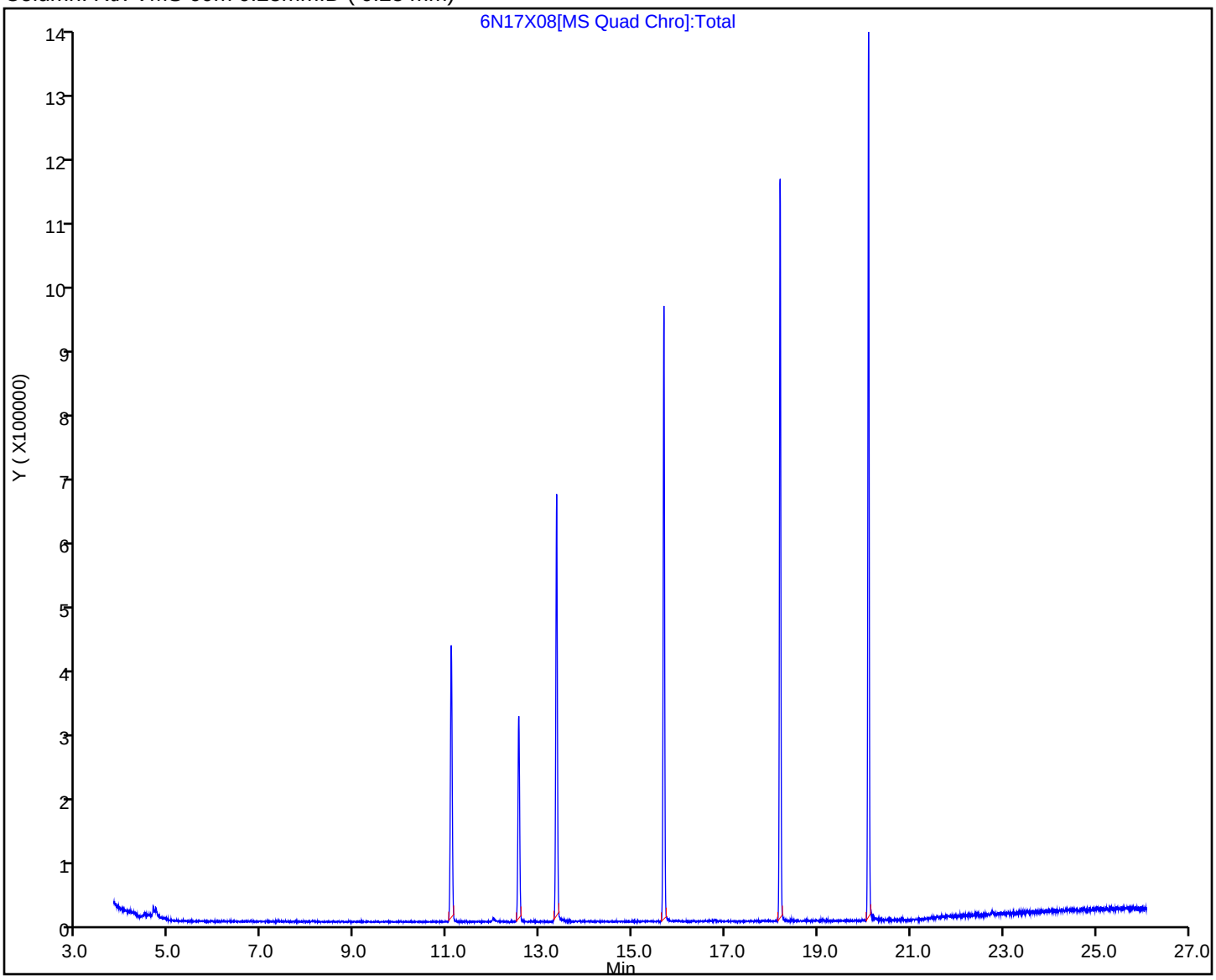
Client ID:

Operator ID: ETP33087 ALS Bottle#: 0 Worklist Smp#: 8

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)



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

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63914-1

SDG No.:

Lab File ID: 6N04T01.D BFB Injection Date: 11/04/2021

Instrument ID: HP26379 BFB Injection Time: 22:36

Analysis Batch No.: 191116

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.3	
75	30.0 - 66.0% of mass 95	43.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.7	(0.7) 1
174	50.0 - 120.0% of mass 95	94.5	
175	4.0 - 9.0 % of mass 174	6.9	(7.3) 1
176	93.0 - 101.0% of mass 174	91.8	(97.2) 1
177	5.0 - 9.0% of mass 176	6.0	(6.5) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-191116/4	6N04X03.D	11/05/2021	0:54
	IC 410-191116/5	6N04X04.D	11/05/2021	1:24
	IC 410-191116/6	6N04X05.D	11/05/2021	1:55
	IC 410-191116/7	6N04X06.D	11/05/2021	2:25
	IC 410-191116/8	6N04X07.D	11/05/2021	2:55
	ICISAV 410-191116/9	6N04X08.D	11/05/2021	3:26
	IC 410-191116/10	6N04X09.D	11/05/2021	3:56
	IC 410-191116/11	6N04X10.D	11/05/2021	4:26
	ICV 410-191116/20	6N04X15.D	11/05/2021	6:57

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

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63914-1

SDG No.:

Lab File ID: 6N17T01.D BFB Injection Date: 11/17/2021

Instrument ID: HP26379 BFB Injection Time: 18:38

Analysis Batch No.: 196084

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.8	
75	30.0 - 66.0% of mass 95	43.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.7	(0.8) 1
174	50.0 - 120.0% of mass 95	89.7	
175	4.0 - 9.0 % of mass 174	6.5	(7.3) 1
176	93.0 - 101.0% of mass 174	84.7	(94.4) 1
177	5.0 - 9.0% of mass 176	5.7	(6.7) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-196084/3	6N17X04.D	11/17/2021	21:07
	LCS 410-196084/4	6N17X05.D	11/17/2021	21:59
	LCSD 410-196084/5	6N17X06.D	11/17/2021	22:30
	MB 410-196084/8	6N17X08.D	11/17/2021	23:31
	410-62677-A-9 DU	6N17X11.D	11/18/2021	1:26
25	410-63914-1	6N17X22.D	11/18/2021	7:52

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

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63914-1

SDG No.:

Instrument ID: HP26379 Calibration Start Date: 11/05/2021 00:54

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calibration End Date: 11/05/2021 04:26

Calibration ID: 32615

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		307150	11.08	1165670	13.35	1295048	18.18
UPPER LIMIT		430010	11.38	1631938	13.65	1813067	18.48
LOWER LIMIT		184290	10.78	699402	13.05	777029	17.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-191116/20		294263	11.09	1127345	13.36	1227448	18.18
CCVIS 410-196084/3		254762	11.08	852624	13.36	935695	18.18

CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63914-1

SDG No.:

Sample No.: CCVIS 410-196084/3 Date Analyzed: 11/17/2021 21:07

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm)

Lab File ID (Standard): 6N17X04.D Heated Purge: (Y/N) N

Calibration ID: 32615

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		254762	11.08	852624	13.36	935695	18.18
UPPER LIMIT		356667	11.38	1193674	13.66	1309973	18.48
LOWER LIMIT		152857	10.78	511574	13.06	561417	17.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-196084/4		257590	11.08	920963	13.35	1003904	18.18
LCSD 410-196084/5		258329	11.08	909420	13.35	1024130	18.18
MB 410-196084/8		243223	11.08	673008	13.36	809286	18.18
410-62677-A-9 DU		228060	11.10	819567	13.36	843870	18.18
410-63914-1	25	235092	11.08	612631	13.35	751192	18.18

CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63914-1

SDG No.:

Client Sample ID: 25 Lab Sample ID: 410-63914-1

Matrix: Air Lab File ID: 6N17X22.D

Analysis Method: TO-15 Date Collected: 11/18/2021 17:07

Sample wt/vol: 200(mL) Date Analyzed: 11/18/2021 07:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 196084 Units: ppb v/v

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		1.0	0.18
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	0.76	J	5.0	0.53
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	0.12
75-25-2	Bromoform	ND		1.0	0.17
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.13
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	0.15
75-00-3	Chloroethane	ND		1.0	0.30

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

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63914-1

SDG No.:

Client Sample ID: 25 Lab Sample ID: 410-63914-1

Matrix: Air Lab File ID: 6N17X22.D

Analysis Method: TO-15 Date Collected: 11/18/2021 17:07

Sample wt/vol: 200(mL) Date Analyzed: 11/18/2021 07:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 196084 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.24
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	0.13
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	0.20
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	0.12
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12
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	0.40
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

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

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63914-1

SDG No.:

Client Sample ID: 25 Lab Sample ID: 410-63914-1

Matrix: Air Lab File ID: 6N17X22.D

Analysis Method: TO-15 Date Collected: 11/18/2021 17:07

Sample wt/vol: 200(mL) Date Analyzed: 11/18/2021 07:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 196084 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP26379\20211117-44431.b\6N17X22.D				
Lims ID:	410-63914-A-1				
Client ID:	25				
Sample Type:	Client				
Inject. Date:	18-Nov-2021 07:52:32	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	cc25				
Misc. Info.:	410-0044431-018				
Operator ID:	ETP33087	Instrument ID:	HP26379		
Method:	\\chromfs\Lancaster\ChromData\HP26379\20211117-44431.b\AirMS_HP26379.m				
Limit Group:	MSV - TO15				
Last Update:	18-Nov-2021 16:45:12	Calib Date:	05-Nov-2021 04:26:51		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP26379\20211104-43352.b\6N04X10.D				
Column 1 :	Rtx-VMS 60m 0.25mmID (0.25 mm)		Det: MS Quad		
Process Host:	CTX1668				
First Level Reviewer: proctore		Date:	18-Nov-2021 16:43:50		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
23 Acetone	43	8.079	8.083	-0.004	98	14252	0.7645	
* 35 Chlorobromomethane (IS)	130	11.082	11.082	0.000	85	235092	10.0	
* 50 1,4-Difluorobenzene	114	13.354	13.357	-0.003	93	612631	10.0	
* 68 Chlorobenzene-d5 (IS)	117	18.182	18.182	0.000	83	751192	10.0	

QC Flag Legend

Processing Flags

Reagents:

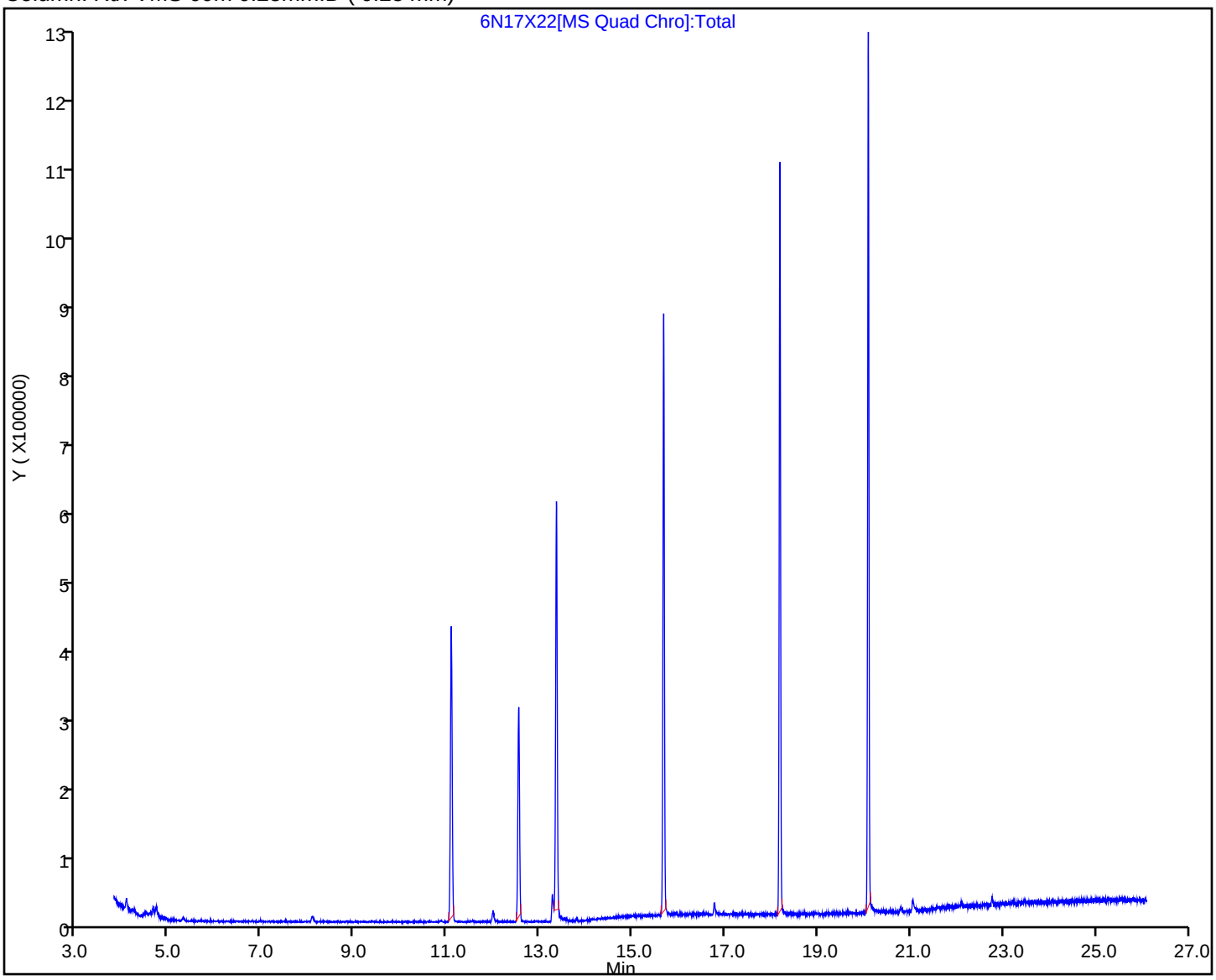
AIRIS200 ppb_00077 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 18-Nov-2021 17:55:38 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP26379\20211117-44431.b\6N17X22.D				
Injection Date:	18-Nov-2021 07:52:32	Instrument ID:	HP26379		
Lims ID:	410-63914-A-1	Lab Sample ID:	410-63914-1		
Client ID:	25				
Operator ID:	ETP33087	ALS Bottle#:	0	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)

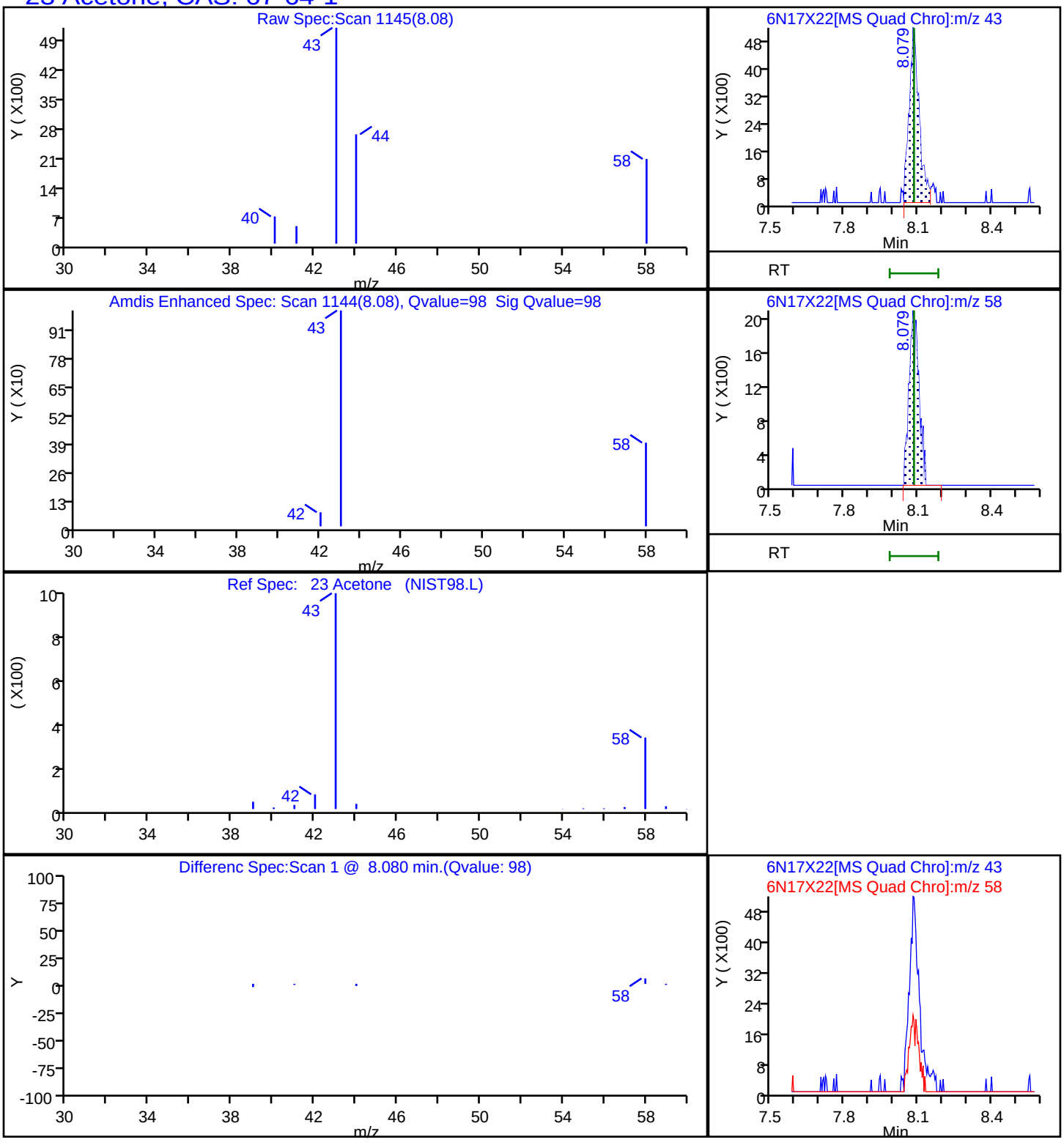


Report Date: 18-Nov-2021 17:55:38 Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP26379\20211117-44431.b\6N17X22.D				
Injection Date:	18-Nov-2021 07:52:32	Instrument ID:	HP26379		
Lims ID:	410-63914-A-1	Lab Sample ID:	410-63914-1		
Client ID:	25				
Operator ID:	ETP33087	ALS Bottle#:	0	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 Acetone, CAS: 67-64-1



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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-191116/4	6N04X03.D
Level 2	IC 410-191116/5	6N04X04.D
Level 3	IC 410-191116/6	6N04X05.D
Level 4	IC 410-191116/7	6N04X06.D
Level 5	IC 410-191116/8	6N04X07.D
Level 6	ICISAV 410-191116/9	6N04X08.D
Level 7	IC 410-191116/10	6N04X09.D
Level 8	IC 410-191116/11	6N04X10.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propene	0.5962 0.4585	0.5347 0.4450	0.4709 0.4437	0.4379	0.4433	Ave		0.4788				11.9		30.0			
Dichlorodifluoromethane	1.8477 2.1827	1.9074 2.0960	1.9324 2.0652	2.0807	2.1752	Ave		2.0359				6.2		30.0			
Chlorodifluoromethane	0.9014 1.0466	0.9352 0.9913	0.9956 0.9712	1.0258	1.0303	Ave		0.9872				5.0		30.0			
Freon-114	2.1126 2.3044	2.0937 2.1882	2.3148 2.1489	2.2178	2.2626	Ave		2.2054				3.8		30.0			
Chloromethane	0.6400 0.5998	0.6109 0.5786	0.5588 0.5591	0.5836	0.6101	Ave		0.5926				4.7		30.0			
Vinyl chloride	0.4040 0.6040	0.5037 0.5779	0.5029 0.5921	0.5329	0.6013	Ave		0.5398				12.8		30.0			
1,3-Butadiene	0.3891 0.4733	0.4362 0.4620	0.3898 0.4841	0.4226	0.4594	Ave		0.4396				8.3		30.0			
Bromomethane	0.4699 0.7383	0.6325 0.6914	0.5147 0.7214	0.6330	0.7003	Ave		0.6377				15.4		30.0			
Chloroethane	0.2873 0.3979	0.3936 0.3890	0.3071 0.3901	0.3630	0.3962	Ave		0.3655				12.0		30.0			
Bromoethene	0.4915 0.7367	0.5801 0.7463	0.5360 0.7792	0.6290	0.7101	Ave		0.6511				16.5		30.0			
Pentane	1.1367 0.9525	0.8795 0.9755	0.8816 0.9721	0.8357	0.9041	Ave		0.9422				9.9		30.0			
Trichlorofluoromethane	2.2181 2.1999	2.0637 2.1125	2.3998 2.0715	2.1960	2.2067	Ave		2.1836				4.9		30.0			
Dichlorofluoromethane	1.3026 1.6937	1.5144 1.5961	1.3917 1.5712	1.5306	1.6352	Ave		1.5294				8.4		30.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	0.2314 0.1405	0.1575 0.1688	0.1380 0.1771	0.1418	0.1327	Ave		0.1610				20.2		30.0			
1,1-Dichloroethene	0.8166 1.0312	0.8406 1.0412	0.8235 1.0837	0.8824	0.9999	Ave		0.9399				11.7		30.0			
Freon 113	1.2935 1.2709	1.2869 1.2325	1.4217 1.2010	1.3095	1.2621	Ave		1.2848				5.1		30.0			
Carbon disulfide	1.4319 2.1309	1.7024 2.1171	1.6773 2.1701	1.8103	2.0335	Ave		1.8842				14.3		30.0			
Iodomethane	1.7483 1.9124	1.8858 2.1857	1.8292 1.9500	1.9659	2.0360	Ave		1.9392				6.8		30.0			
Acrolein	0.0836 0.2128	0.1732 0.2256	0.1581 0.2458	0.1715	0.2053	Ave		0.1845				27.4		30.0			
Isopropanol	0.7481 0.6305	0.5935 0.7527	0.5573 0.8170	0.5601	0.5961	Ave		0.6569				15.3		30.0			
3-Chloroprene	0.6155 0.7079	0.6482 0.7314	0.5670 0.7564	0.6006	0.6649	Ave		0.6615				10.1		30.0			
Methylene Chloride	0.7447 0.7825	0.7479 0.7695	0.6515 0.7494	0.7259	0.7781	Ave		0.7437				5.6		30.0			
Acetone	0.9591 0.7915	0.7765 0.7918	0.7188 0.7907	0.7398	0.7754	Ave		0.7930				9.1		30.0			
trans-1,2-Dichloroethene	0.8517 0.9970	0.8895 0.9838	0.8555 1.0006	0.9116	0.9844	Ave		0.9343				6.9		30.0			
Hexane	0.4480 0.6474	0.5214 0.6584	0.6520 0.6397	0.6122	0.6367	Ave		0.6020				12.7		30.0			
Methyl t-butyl ether	1.5402 1.9560	1.5328 2.0271	1.5760 2.0618	1.6460	1.8071	Ave		1.7684				12.6		30.0			
tert-Butyl alcohol	1.0068 1.0334	1.0017 1.2225	0.9471 1.2996	0.9254	0.9994	Ave		1.0545				12.7		30.0			
Acetonitrile	0.4436 0.4597	0.4691 0.4644	0.4246 0.4583	0.4346	0.4719	Ave		0.4533				3.8		30.0			
di-Isopropyl ether	1.4332 1.7083	1.3949 1.8290	1.4909 1.9058	1.4525	1.5748	Ave		1.5987				12.1		30.0			
1,1-Dichloroethane	1.1617 1.3380	1.1707 1.3109	1.3652 1.2936	1.3032	1.3541	Ave		1.2872				6.1		30.0			
Acrylonitrile	0.2713 0.4989	0.4299 0.5064	0.4025 0.5225	0.4248	0.4586	Ave		0.4394				18.3		30.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl tert-butyl ether	1.3029 1.8327	1.2896 1.9655	1.4226 2.0865	1.4653	1.6650	Ave		1.6287				18.8		30.0			
Vinyl acetate	1.1917 1.5838	1.1652 1.6934	1.1824 1.7430	1.2609	1.4244	Ave		1.4056				17.1		30.0			
cis-1,2-Dichloroethene	0.7392 0.9319	0.7636 0.9343	0.8086 0.9583	0.8349	0.8910	Ave		0.8577				9.7		30.0			
Cyclohexane	0.9260 0.9826	0.7702 1.0466	0.8411 1.0764	0.8397	0.9031	Ave		0.9232				11.6		30.0			
Chloroform	1.6221 1.8184	1.6117 1.7408	1.7944 1.7261	1.7738	1.8030	Ave		1.7363				4.6		30.0			
Ethyl acetate	1.2190 1.1917	1.0037 1.2291	1.1343 1.2521	1.1215	1.1430	Ave		1.1618				6.9		30.0			
Methyl acrylate	0.8632 1.0103	0.8078 1.0919	0.8196 1.1447	0.8483	0.9285	Ave		0.9393				13.7		30.0			
Carbon tetrachloride	1.7323 1.9424	1.7021 1.9305	1.8938 1.9087	1.8354	1.8824	Ave		1.8534				4.9		30.0			
Tetrahydrofuran	0.5396 0.6113	0.5234 0.6422	0.5842 0.6432	0.5454	0.5839	Ave		0.5841				7.9		30.0			
1,1,1-Trichloroethane	1.8487 1.8261	1.6617 1.8072	1.7846 1.7813	1.7839	1.7950	Ave		1.7861				3.1		30.0			
2-Butanone	1.0460 1.0030	0.9277 1.0634	0.8746 1.0769	0.8738	0.9509	Ave		0.9771				8.4		30.0			
Isooctane	0.5270 0.7375	0.5743 0.7729	0.6211 0.7475	0.6402	0.7024	Ave		0.6654				13.3		30.0			
Heptane	0.1605 0.2053	0.1396 0.2244	0.1832 0.2097	0.1827	0.1965	Ave		0.1878				14.7		30.0			
Benzene	0.7412 0.6865	0.6276 0.6690	0.7398 0.6066	0.7101	0.7133	Ave		0.6868				7.2		30.0			
Tert-amyl methyl ether	0.3820 0.4989	0.3940 0.5251	0.4002 0.5250	0.4395	0.4740	Ave		0.4548				13.0		30.0			
1,2-Dichloroethane	0.2864 0.2565	0.2518 0.2478	0.2740 0.2263	0.2688	0.2672	Ave		0.2599				7.1		30.0			
Trichloroethene	0.3376 0.3328	0.3174 0.3351	0.3720 0.3217	0.3514	0.3473	Ave		0.3394				5.1		30.0			
Dibromomethane	0.3721 0.3289	0.3344 0.3324	0.3622 0.3105	0.3457	0.3414	Ave		0.3409				5.7		30.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acrylate	0.2747 0.2838	0.2418 0.3518	0.2791 0.3433	0.2578	0.2784	Ave		0.2889				13.4		30.0			
1,2-Dichloropropane	0.2484 0.2328	0.2162 0.2303	0.2520 0.2062	0.2469	0.2402	Ave		0.2341				6.9		30.0			
Bromodichloromethane	0.4621 0.4733	0.4188 0.4785	0.5035 0.4364	0.4774	0.4861	Ave		0.4670				5.9		30.0			
Methyl methacrylate	0.1426 0.1713	0.1490 0.2062	0.1523 0.2033	0.1534	0.1751	Ave		0.1691				14.5		30.0			
1,4-Dioxane	0.1088 0.1236	0.1106 0.1413	0.1188 0.1340	0.1157	0.1179	Ave		0.1213				9.3		30.0			
cis-1,3-Dichloropropene	0.3025 0.3524	0.2918 0.3825	0.3347 0.3712	0.3277	0.3629	Ave		0.3407				9.5		30.0			
Octane	0.2335 0.3315	0.2050 0.3690	0.2581 0.3422	0.2602	0.3037	Ave		0.2879				20.0		30.0			
Toluene	0.7625 0.7675	0.7210 0.7863	0.8102 0.7425	0.7718	0.7730	Ave		0.7669				3.5		30.0			
4-Methyl-2-pentanone	0.3163 0.3020	0.2657 0.3395	0.2961 0.3184	0.2906	0.3056	Ave		0.3043				7.2		30.0			
Tetrachloroethene	0.4922 0.4950	0.4617 0.4769	0.5172 0.4596	0.5082	0.5013	Ave		0.4890				4.3		30.0			
trans-1,3-Dichloropropene	0.2500 0.2956	0.2190 0.3212	0.2455 0.3181	0.2569	0.2900	Ave		0.2745				13.5		30.0			
Ethyl methacrylate	0.1951 0.2782	0.1724 0.3260	0.2017 0.3348	0.2244	0.2667	Ave		0.2499				24.4		30.0			
1,1,2-Trichloroethane	0.3055 0.2971	0.2902 0.2931	0.3071 0.2725	0.3032	0.3038	Ave		0.2966				3.9		30.0			
Dibromochloromethane	0.3301 0.3890	0.2874 0.4065	0.3498 0.3979	0.3722	0.3957	Ave		0.3661				11.2		30.0			
1,2-Dibromoethane	0.4117 0.4333	0.3740 0.4417	0.4309 0.4294	0.4397	0.4380	Ave		0.4248				5.3		30.0			
2-Hexanone	0.2154 0.2198	0.2196 0.2649	0.1935 0.2631	0.1937	0.2017	Ave		0.2215				12.8		30.0			
Chlorobenzene	0.7479 0.7164	0.7058 0.7157	0.7937 0.6620	0.7529	0.7389	Ave		0.7292				5.3		30.0			
Ethylbenzene	1.0449 1.0617	0.9097 1.0695	1.0633 0.9850	1.0274	1.0301	Ave		1.0240				5.2		30.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	0.4113 0.3925	0.3587 0.3936	0.4032 0.3717	0.3964	0.4064	Ave		0.3917				4.6		30.0			
m&p-Xylene	0.6594 0.7574	0.5874 0.7925	0.6786 0.7635	0.6678	0.7092	Ave		0.7020				9.6		30.0			
o-Xylene	0.6190 0.7164	0.5301 0.7715	0.6153 0.7642	0.6189	0.6559	Ave		0.6614				12.6		30.0			
Styrene	0.3663 0.5930	0.3675 0.6220	0.4760 0.6124	0.4685	0.5266	Ave		0.5041				20.4		30.0			
Bromoform	0.4981 0.5450	0.4756 0.5714	0.5344 0.5607	0.5267	0.5429	Ave		0.5318				6.0		30.0			
Cumene	0.7661 1.1155	0.7464 1.1653	0.9094 1.1043	0.9235	1.0152	Ave		0.9682				16.4		30.0			
N-Propylbenzene	0.3101 0.3486	0.2839 0.3589	0.3187 0.3512	0.3218	0.3305	Ave		0.3280				7.6		30.0			
Bromobenzene	0.4274 0.4696	0.4359 0.4652	0.4911 0.4354	0.4746	0.4817	Ave		0.4601				5.2		30.0			
1,1,2,2-Tetrachloroethane	0.6697 0.6401	0.6120 0.6249	0.6991 0.5679	0.6731	0.6603	Ave		0.6434				6.4		30.0			
4-Ethyltoluene	0.8031 1.1987	0.8183 1.2319	1.0077 1.1438	1.0152	1.1158	Ave		1.0418				15.6		30.0			
2-Chlorotoluene	0.2587 0.3319	0.2590 0.3291	0.3201 0.3124	0.3099	0.3288	Ave		0.3062				9.9		30.0			
1,3,5-Trimethylbenzene	0.6457 1.0230	0.6229 1.0275	0.8185 0.9511	0.8556	0.9635	Ave		0.8635				18.4		30.0			
1,2,3-Trichloropropane	0.2172 0.2105	0.2152 0.2021	0.2248 0.1878	0.2232	0.2207	Ave		0.2127				5.9		30.0			
Alpha Methyl Styrene	0.3015 0.4467	0.2851 0.4998	0.3611 0.5106	0.3524	0.3976	Ave		0.3944				21.6		30.0			
tert-Butylbenzene	0.6515 1.0152	0.6571 1.0252	0.7761 0.9494	0.8079	0.9396	Ave		0.8528				17.7		30.0			
1,2,4-Trimethylbenzene	0.6104 0.9853	0.6001 1.0135	0.7679 0.9396	0.7976	0.9084	Ave		0.8278				19.5		30.0			
sec-Butylbenzene	0.9970 1.5102	0.9641 1.5062	1.1960 1.3362	1.2494	1.4001	Ave		1.2699				16.5		30.0			
p-Isopropyltoluene	0.7703 1.2696	0.7487 1.3111	0.9380 1.1903	0.9999	1.1625	Ave		1.0488				20.8		30.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,3-Dichlorobenzene	0.7589 0.8051	0.7124 0.7885	0.8318 0.7331	0.7954	0.8118	Ave		0.7796				5.3		30.0			
1,4-Dichlorobenzene	0.6855 0.8068	0.6490 0.8014	0.7960 0.7519	0.7680	0.7901	Ave		0.7561				7.7		30.0			
n-Butylbenzene	0.4534 0.6973	0.4446 0.7321	0.5317 0.6942	0.5562	0.6321	Ave		0.5927				19.0		30.0			
Benzyl chloride	0.1409 0.1752	0.1261 0.2015	0.1444 0.2027	0.1458	0.1660	Ave		0.1628				17.5		30.0			
Hexachloroethane	0.3901 0.4224	0.3623 0.4437	0.4037 0.4270	0.4043	0.4153	Ave		0.4086				6.1		30.0			
1,2-Dichlorobenzene	0.7055 0.7558	0.6421 0.7567	0.7880 0.7145	0.7408	0.7461	Ave		0.7312				6.0		30.0			
1,2-Dibromo-3-Chloropropane	0.3695 0.3669	0.3403 0.3888	0.3509 0.4003	0.3494	0.3603	Ave		0.3658				5.6		30.0			
Hexachlorobutadiene	0.5157 0.5494	0.5005 0.5407	0.5625 0.5691	0.5358	0.5541	Ave		0.5410				4.3		30.0			
1,2,4-Trichlorobenzene	0.5234 0.5407	0.4597 0.5815	0.4902 0.6222	0.4864	0.5223	Ave		0.5283				10.1		30.0			
Naphthalene	0.8367 0.9584	0.8215 1.1062	0.7174 1.1900	0.7704	0.8158	Ave		0.9020				18.6		30.0			

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

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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-191116/4	6N04X03.D
Level 2	IC 410-191116/5	6N04X04.D
Level 3	IC 410-191116/6	6N04X05.D
Level 4	IC 410-191116/7	6N04X06.D
Level 5	IC 410-191116/8	6N04X07.D
Level 6	ICISAV 410-191116/9	6N04X08.D
Level 7	IC 410-191116/10	6N04X09.D
Level 8	IC 410-191116/11	6N04X10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propene	CBM	Ave	3360 146303	7928 357501	13518 1052548	26676	68228	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Dichlorodifluoromethane	CBM	Ave	10413 696532	28282 1683978	55472 4898844	126757	334807	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Chlorodifluoromethane	CBM	Ave	5080 333999	13866 796396	28580 2303771	62490	158589	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Freon-114	CBM	Ave	11906 735389	31044 1758056	66449 5097475	135110	348258	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Chloromethane	CBM	Ave	3607 191420	9058 464859	16041 1326240	35551	93900	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Vinyl chloride	CBM	Ave	2277 192753	7469 464297	14437 1404418	32462	92548	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,3-Butadiene	CBM	Ave	2193 151042	6468 371158	11190 1148454	25747	70718	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Bromomethane	CBM	Ave	2648 235613	9379 555497	14774 1711177	38562	107792	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Chloroethane	CBM	Ave	1619 126984	5836 312568	8816 925309	22116	60978	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Bromoethene	CBM	Ave	2770 235080	8601 599634	15385 1848458	38319	109291	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Pentane	CBM	Ave	6406 303945	13041 783761	25307 2305998	50911	139161	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Trichlorofluoromethane	CBM	Ave	12501 702041	30600 1697264	68889 4913713	133786	339659	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Dichlorofluoromethane	CBM	Ave	7341 540479	22455 1282340	39949 3727056	93244	251688	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethanol	CBM	Ave	1304 44847	2336 135597	3962 419995	8638	20430	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,1-Dichloroethene	CBM	Ave	4602 329065	12464 836509	23638 2570610	53758	153897	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Freon 113	CBM	Ave	7290 405581	19082 990228	40810 2848996	79776	194262	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Carbon disulfide	CBM	Ave	8070 679993	25242 1700924	48147 5147801	110285	312994	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Iodomethane	CBM	Ave	9853 610282	27961 1756029	52508 4625562	119764	313388	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Acrolein	CBM	Ave	471 67904	2568 181282	4538 582952	10448	31596	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Isopropanol	CBM	Ave	4216 201191	8800 604768	15998 1937904	34124	91751	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
3-Chloroprene	CBM	Ave	3469 225918	9611 587665	16277 1794324	36587	102334	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Methylene Chloride	CBM	Ave	4197 249700	11089 618212	18701 1777612	44222	119760	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Acetone	CBM	Ave	5405 252575	11514 636189	20634 1875520	45072	119355	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
trans-1,2-Dichloroethene	CBM	Ave	4800 318151	13189 790445	24557 2373487	55534	151526	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Hexane	CBM	Ave	2525 206595	7731 528937	18717 1517357	37293	98003	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Methyl t-butyl ether	CBM	Ave	8680 624184	22727 1628651	45241 4890856	100274	278155	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
tert-Butyl alcohol	CBM	Ave	5674 329762	14852 982199	27188 3082847	56374	153820	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Acetonitrile	CBM	Ave	2500 146684	6956 373075	12187 1087244	26476	72636	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
di-Isopropyl ether	CBM	Ave	8077 545159	20682 1469502	42798 4520667	88487	242398	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,1-Dichloroethane	CBM	Ave	6547 426974	17359 1053186	39189 3068619	79395	208430	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Acrylonitrile	CBM	Ave	1529 159220	6374 406828	11554 1239331	25881	70593	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl tert-butyl ether	CBM	Ave	7343 584835	19121 1579111	40838 4949347	89265	256272	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Vinyl acetate	CBM	Ave	6716 505418	17277 1360528	33942 4134578	76814	219240	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
cis-1,2-Dichloroethene	CBM	Ave	4166 297399	11322 750618	23210 2273168	50862	137146	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Cyclohexane	CBM	Ave	5219 313570	11420 840872	24145 2553403	51154	139009	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Chloroform	CBM	Ave	9142 580286	23898 1398593	51510 4094541	108060	277522	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Ethyl acetate	CBM	Ave	6870 380297	14882 987471	32560 2970128	68322	175924	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Methyl acrylate	CBM	Ave	4865 322397	11978 877257	23528 2715254	51682	142921	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Carbon tetrachloride	CBM	Ave	9763 619842	25237 1550978	54363 4527557	111816	289738	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Tetrahydrofuran	CBM	Ave	3041 195070	7760 515962	16769 1525627	33224	89868	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,1,1-Trichloroethane	CBM	Ave	10419 582753	24638 1451956	51228 4225403	108679	276282	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
2-Butanone	CBM	Ave	5895 320089	13756 854390	25106 2554608	53234	146368	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Isooctane	DFBZ	Ave	11036 911698	30961 2435233	64806 7418107	140745	401492	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Heptane	DFBZ	Ave	3362 253813	7528 707152	19116 2080545	40168	112349	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Benzene	DFBZ	Ave	15522 848627	33835 2107848	77192 6019701	156111	407728	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Tert-amyl methyl ether	DFBZ	Ave	7999 616692	21242 1654435	41756 5209662	96631	270940	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2-Dichloroethane	DFBZ	Ave	5998 317131	13575 780771	28593 2245688	59103	152729	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Trichloroethene	DFBZ	Ave	7071 411375	17111 1055817	38811 3192556	77246	198519	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Dibromomethane	DFBZ	Ave	7793 406536	18027 1047181	37790 3081695	76004	195158	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl acrylate	DFBZ	Ave	5753 350763	13038 1108396	29126 3406855	56687	159151	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2-Dichloropropane	DFBZ	Ave	5201 287742	11656 725518	26290 2045790	54275	137318	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Bromodichloromethane	DFBZ	Ave	9677 585025	22578 1507669	52534 4330697	104963	277879	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Methyl methacrylate	DFBZ	Ave	2987 211785	8031 649550	15889 2017687	33729	100084	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,4-Dioxane	DFBZ	Ave	2278 152732	5961 445182	12398 1329350	25436	67372	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
cis-1,3-Dichloropropene	DFBZ	Ave	6336 435624	15730 1204987	34920 3683541	72039	207440	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Octane	CBZd 5	Ave	5795 444305	12663 1233236	31631 3478990	65640	192457	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Toluene	CBZd 5	Ave	18928 1028810	44536 2628188	99299 7547361	194657	489930	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
4-Methyl-2-pentanone	DFBZ	Ave	6625 373379	14323 1069684	30895 3159981	63878	174701	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Tetrachloroethene	CBZd 5	Ave	12217 663525	28522 1593770	63389 4671654	128178	317727	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
trans-1,3-Dichloropropene	CBZd 5	Ave	6205 396228	13529 1073632	30084 3233935	64807	183786	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Ethyl methacrylate	CBZd 5	Ave	4843 372933	10650 1089651	24717 3402940	56606	169055	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,1,2-Trichloroethane	CBZd 5	Ave	7582 398249	17928 979773	37643 2769693	76471	192538	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Dibromochloromethane	CBZd 5	Ave	8195 521386	17756 1358638	42866 4044981	93875	250793	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Dibromoethane	CBZd 5	Ave	10220 580765	23103 1476236	52812 4365280	110891	277579	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
2-Hexanone	CBZd 5	Ave	5347 294697	13563 885213	23715 2674632	48867	127860	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Chlorobenzene	CBZd 5	Ave	18565 960334	43600 2392046	97273 6729336	189900	468320	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Ethylbenzene	CBZd 5	Ave	25937 1423226	56192 3574609	130319 10012282	259132	652890	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	10210 526113	22160 1315669	49416 3778122	99992	257570	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
m&p-Xylene	CBZd 5	Ave	16369 1015268	36287 2648895	83165 7760959	168434	449456	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
o-Xylene	CBZd 5	Ave	15366 960261	32746 2578475	75414 7767736	156096	415729	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Styrene	CBZd 5	Ave	9092 794916	22702 2079055	58343 6225201	118168	333754	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Bromoform	CBZd 5	Ave	12363 730624	29376 1909657	65492 5699195	132833	344080	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Cumene	CBZd 5	Ave	19016 1495346	46108 3894630	111453 11224839	232936	643419	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
N-Propylbenzene	CBZd 5	Ave	7698 467247	17539 1199575	39055 3570101	81157	209438	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Bromobenzene	CBZd 5	Ave	10610 629470	26928 1554813	60194 4425647	119700	305300	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,1,2,2-Tetrachloroethane	CBZd 5	Ave	16624 858089	37806 2088500	85681 5772483	169758	418486	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
4-Ethyltoluene	CBZd 5	Ave	19936 1606801	50547 4117493	123506 11626939	256058	707167	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
2-Chlorotoluene	CBZd 5	Ave	6422 444957	15999 1099811	39232 3175289	78168	208364	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,3,5-Trimethylbenzene	CBZd 5	Ave	16027 1371314	38477 3434035	100322 9667939	215799	610676	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2,3-Trichloropropane	CBZd 5	Ave	5391 282119	13296 675634	27554 1908761	56291	139864	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Alpha Methyl Styrene	CBZd 5	Ave	7483 598857	17613 1670339	44262 5190013	88880	251993	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
tert-Butylbenzene	CBZd 5	Ave	16172 1360808	40589 3426639	95120 9651023	203776	595503	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2,4-Trimethylbenzene	CBZd 5	Ave	15152 1320826	37067 3387364	94110 9551105	201176	575722	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
sec-Butylbenzene	CBZd 5	Ave	24748 2024361	59553 5034142	146585 13582938	315129	887345	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
p-Isopropyltoluene	CBZd 5	Ave	19120 1701879	46246 4382015	114960 12099454	252196	736772	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,3-Dichlorobenzene	CBZd 5	Ave	18838 1079245	44007 2635408	101948 7452025	200625	514516	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,4-Dichlorobenzene	CBZd 5	Ave	17016 1081550	40090 2678553	97564 7643157	193702	500739	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Env, I Job No.: 410-63914-1 Analy Batch No.: 191116

SDG No.:

Instrument ID: HP26379 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2021 00:54 Calibration End Date: 11/05/2021 04:26 Calibration ID: 32615

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Butylbenzene	CBZd 5	Ave	11255 934688	27462 2446729	65164 7056275	140286	400638	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Benzyl chloride	CBZd 5	Ave	3498 234885	7788 673451	17699 2060453	36776	105221	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Hexachloroethane	CBZd 5	Ave	9682 566275	22378 1482934	49474 4340403	101985	263199	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2-Dichlorobenzene	CBZd 5	Ave	17513 1013178	39661 2529242	96577 7262616	186850	472877	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2-Dibromo-3-Chloropropane	CBZd 5	Ave	9171 491797	21018 1299521	43012 4069075	88118	228381	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Hexachlorobutadiene	CBZd 5	Ave	12800 736446	30917 1807055	68944 5785446	135152	351173	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
1,2,4-Trichlorobenzene	CBZd 5	Ave	12992 724765	28394 1943616	60081 6325128	122687	331056	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00
Naphthalene	CBZd 5	Ave	20769 1284717	50742 3697353	87923 12096251	194316	517020	0.200 10.0	0.500 25.0	1.00 70.0	2.00	5.00

Curve Type Legend
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, LI Job No.: 410-63914-1

SDG No.:

Lab Sample ID: ICV 410-191116/20 Calibration Date: 11/05/2021 06:57

Instrument ID: HP26379 Calib Start Date: 11/05/2021 00:54

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 11/05/2021 04:26

Lab File ID: 6N04X15.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propene	Ave	0.4788	0.4094		8.55	10.0	-14.5	30.0
Dichlorodifluoromethane	Ave	2.036	2.149		10.6	10.0	5.6	30.0
Chlorodifluoromethane	Ave	0.9872	1.069		10.8	10.0	8.3	30.0
Freon-114	Ave	2.205	2.258		10.2	10.0	2.4	30.0
Chloromethane	Ave	0.5926	0.5999		10.1	10.0	1.2	30.0
Vinyl chloride	Ave	0.5398	0.6136		11.4	10.0	13.7	30.0
1,3-Butadiene	Ave	0.4396	0.4515		10.3	10.0	2.7	30.0
Bromomethane	Ave	0.6377	0.7106		11.1	10.0	11.4	30.0
Chloroethane	Ave	0.3655	0.4007		11.0	10.0	9.6	30.0
Bromoethene	Ave	0.6511	0.7263		11.2	10.0	11.5	30.0
Pentane	Ave	0.9422	0.8786		9.33	10.0	-6.7	30.0
Trichlorofluoromethane	Ave	2.184	2.172		9.95	10.0	-0.5	30.0
Dichlorofluoromethane	Ave	1.529	1.690		11.1	10.0	10.5	30.0
Ethanol	Ave	0.1610	0.1466		9.11	10.0	-8.9	30.0
1,1-Dichloroethene	Ave	0.9399	1.003		10.7	10.0	6.7	30.0
Freon 113	Ave	1.285	1.248		9.71	10.0	-2.9	30.0
Carbon disulfide	Ave	1.884	1.992		10.6	10.0	5.7	30.0
Iodomethane	Ave	1.939	1.963		10.1	10.0	1.2	30.0
Acrolein	Ave	0.1845	0.2118		11.5	10.0	14.8	30.0
Isopropanol	Ave	0.6569	0.5994		9.12	10.0	-8.8	30.0
3-Chloroprene	Ave	0.6615	0.7207		10.9	10.0	9.0	30.0
Methylene Chloride	Ave	0.7437	0.7613		10.2	10.0	2.4	30.0
Acetone	Ave	0.7930	0.7728		9.75	10.0	-2.5	30.0
trans-1,2-Dichloroethene	Ave	0.9343	0.9482		10.2	10.0	1.5	30.0
Hexane	Ave	0.6020	0.6378		10.6	10.0	5.9	30.0
Methyl t-butyl ether	Ave	1.768	1.878		10.6	10.0	6.2	30.0
tert-Butyl alcohol	Ave	1.054	0.9406		8.92	10.0	-10.8	30.0
Acetonitrile	Ave	0.4533	0.4577		10.1	10.0	1.0	30.0
di-Isopropyl ether	Ave	1.599	1.636		10.2	10.0	2.3	30.0
1,1-Dichloroethane	Ave	1.287	1.318		10.2	10.0	2.4	30.0
Acrylonitrile	Ave	0.4394	0.4766		10.9	10.0	8.5	30.0
Ethyl tert-butyl ether	Ave	1.629	1.719		10.6	10.0	5.5	30.0
Vinyl acetate	Ave	1.406	1.517		10.8	10.0	7.9	30.0
cis-1,2-Dichloroethene	Ave	0.8577	0.8787		10.2	10.0	2.4	30.0
Cyclohexane	Ave	0.9232	0.9261		10.0	10.0	0.3	30.0
Chloroform	Ave	1.736	1.749		10.1	10.0	0.7	30.0
Ethyl acetate	Ave	1.162	1.114		9.59	10.0	-4.1	30.0
Methyl acrylate	Ave	0.9393	0.9664		10.3	10.0	2.9	30.0
Carbon tetrachloride	Ave	1.853	1.907		10.3	10.0	2.9	30.0
Tetrahydrofuran	Ave	0.5841	0.5961		10.2	10.0	2.1	30.0
1,1,1-Trichloroethane	Ave	1.786	1.798		10.1	10.0	0.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, LI Job No.: 410-63914-1

SDG No.:

Lab Sample ID: ICV 410-191116/20 Calibration Date: 11/05/2021 06:57

Instrument ID: HP26379 Calib Start Date: 11/05/2021 00:54

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 11/05/2021 04:26

Lab File ID: 6N04X15.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Butanone	Ave	0.9771	0.9798		10.0	10.0	0.3	30.0
Isooctane	Ave	0.6654	0.7020		10.6	10.0	5.5	30.0
Heptane	Ave	0.1878	0.2048		10.9	10.0	9.1	30.0
Benzene	Ave	0.6868	0.6790		9.89	10.0	-1.1	30.0
Tert-amyl methyl ether	Ave	0.4548	0.4701		10.3	10.0	3.4	30.0
1,2-Dichloroethane	Ave	0.2599	0.2571		9.90	10.0	-1.0	30.0
Trichloroethene	Ave	0.3394	0.3323		9.79	10.0	-2.1	30.0
Dibromomethane	Ave	0.3409	0.3257		9.55	10.0	-4.5	30.0
Ethyl acrylate	Ave	0.2889	0.2737		9.48	10.0	-5.2	30.0
1,2-Dichloropropane	Ave	0.2341	0.2304		9.84	10.0	-1.6	30.0
Bromodichloromethane	Ave	0.4670	0.4606		9.86	10.0	-1.4	30.0
Methyl methacrylate	Ave	0.1691	0.1708		10.1	10.0	1.0	30.0
1,4-Dioxane	Ave	0.1213	0.1146		9.45	10.0	-5.5	30.0
cis-1,3-Dichloropropene	Ave	0.3407	0.3558		10.4	10.0	4.4	30.0
Octane	Ave	0.2879	0.3280		11.4	10.0	13.9	30.0
Toluene	Ave	0.7669	0.7590		9.90	10.0	-1.0	30.0
4-Methyl-2-pentanone	Ave	0.3043	0.2765		9.09	10.0	-9.1	30.0
Tetrachloroethene	Ave	0.4890	0.4733		9.68	10.0	-3.2	30.0
trans-1,3-Dichloropropene	Ave	0.2745	0.2924		10.7	10.0	6.5	30.0
Ethyl methacrylate	Ave	0.2499	0.2564		10.3	10.0	2.6	30.0
1,1,2-Trichloroethane	Ave	0.2966	0.2931		9.88	10.0	-1.2	30.0
Dibromochloromethane	Ave	0.3661	0.3818		10.4	10.0	4.3	30.0
1,2-Dibromoethane	Ave	0.4248	0.4227		9.95	10.0	-0.5	30.0
2-Hexanone	Ave	0.2215	0.1903		8.59	10.0	-14.1	30.0
Chlorobenzene	Ave	0.7292	0.6881		9.44	10.0	-5.6	30.0
Ethylbenzene	Ave	1.024	0.995		9.72	10.0	-2.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3917	0.3811		9.73	10.0	-2.7	30.0
m&p-Xylene	Ave	0.7020	0.6945		9.89	10.0	-1.1	30.0
o-Xylene	Ave	0.6614	0.6503		9.83	10.0	-1.7	30.0
Styrene	Ave	0.5041	0.5385		10.7	10.0	6.8	30.0
Bromoform	Ave	0.5318	0.4996		9.39	10.0	-6.1	30.0
Cumene	Ave	0.9682	1.018		10.5	10.0	5.1	30.0
N-Propylbenzene	Ave	0.3280	0.3086		9.41	10.0	-5.9	30.0
Bromobenzene	Ave	0.4601	0.4317		9.38	10.0	-6.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6434	0.5687		8.84	10.0	-11.6	30.0
4-Ethyltoluene	Ave	1.042	1.075		10.3	10.0	3.2	30.0
2-Chlorotoluene	Ave	0.3062	0.3082		10.1	10.0	0.7	30.0
1,3,5-Trimethylbenzene	Ave	0.8635	0.9266		10.7	10.0	7.3	30.0
1,2,3-Trichloropropane	Ave	0.2127	0.1912		8.99	10.0	-10.1	30.0
Alpha Methyl Styrene	Ave	0.3944	0.3896		9.88	10.0	-1.2	30.0
tert-Butylbenzene	Ave	0.8528	0.9264		10.9	10.0	8.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, LI Job No.: 410-63914-1

SDG No.:

Lab Sample ID: ICV 410-191116/20 Calibration Date: 11/05/2021 06:57

Instrument ID: HP26379 Calib Start Date: 11/05/2021 00:54

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 11/05/2021 04:26

Lab File ID: 6N04X15.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	0.8278	0.8756		10.6	10.0	5.8	30.0
sec-Butylbenzene	Ave	1.270	1.348		10.6	10.0	6.1	30.0
p-Isopropyltoluene	Ave	1.049	1.108		10.6	10.0	5.7	30.0
1,3-Dichlorobenzene	Ave	0.7796	0.6987		8.96	10.0	-10.4	30.0
1,4-Dichlorobenzene	Ave	0.7561	0.6912		9.14	10.0	-8.6	30.0
n-Butylbenzene	Ave	0.5927	0.5824		9.83	10.0	-1.7	30.0
Benzyl chloride	Ave	0.1628	0.1533		9.42	10.0	-5.8	30.0
Hexachloroethane	Ave	0.4086	0.3961		9.69	10.0	-3.1	30.0
1,2-Dichlorobenzene	Ave	0.7312	0.6295		8.61	10.0	-13.9	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3658	0.2881		7.88	10.0	-21.3	30.0
Hexachlorobutadiene	Ave	0.5410	0.4897		9.05	10.0	-9.5	30.0
1,2,4-Trichlorobenzene	Ave	0.5283	0.4595		8.70	10.0	-13.0	30.0
Naphthalene	Ave	0.9020	0.7437		8.25	10.0	-17.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, LI Job No.: 410-63914-1

SDG No.:

Lab Sample ID: CCVIS 410-196084/3 Calibration Date: 11/17/2021 21:07

Instrument ID: HP26379 Calib Start Date: 11/05/2021 00:54

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 11/05/2021 04:26

Lab File ID: 6N17X04.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propene	Ave	0.4788	0.4750		9.92	10.0	-0.8	30.0
Dichlorodifluoromethane	Ave	2.036	2.465		12.1	10.0	21.1	30.0
Chlorodifluoromethane	Ave	0.9872	1.164		11.8	10.0	18.0	30.0
Freon-114	Ave	2.205	2.582		11.7	10.0	17.1	30.0
Chloromethane	Ave	0.5926	0.6865		11.6	10.0	15.8	30.0
Vinyl chloride	Ave	0.5398	0.7336		13.6	10.0	35.9*	30.0
1,3-Butadiene	Ave	0.4396	0.5180		11.8	10.0	17.8	30.0
Bromomethane	Ave	0.6377	0.8359		13.1	10.0	31.1*	30.0
Chloroethane	Ave	0.3655	0.4446		12.2	10.0	21.6	30.0
Bromoethene	Ave	0.6511	0.7093		10.9	10.0	8.9	30.0
Pentane	Ave	0.9422	0.8977		9.53	10.0	-4.7	30.0
Trichlorofluoromethane	Ave	2.184	2.424		11.1	10.0	11.0	30.0
Dichlorofluoromethane	Ave	1.529	1.870		12.2	10.0	22.3	30.0
Ethanol	Ave	0.1610	0.1527		9.49	10.0	-5.1	30.0
1,1-Dichloroethene	Ave	0.9399	0.9854		10.5	10.0	4.8	30.0
Freon 113	Ave	1.285	1.376		10.7	10.0	7.1	30.0
Carbon disulfide	Ave	1.884	2.394		12.7	10.0	27.1	30.0
Iodomethane	Ave	1.939	1.711		8.82	10.0	-11.8	30.0
Acrolein	Ave	0.1845	0.1882		10.2	10.0	2.0	30.0
Isopropanol	Ave	0.6569	0.5794		8.82	10.0	-11.8	30.0
3-Chloroprene	Ave	0.6615	0.6610		9.99	10.0	-0.0	30.0
Methylene Chloride	Ave	0.7437	0.8609		11.6	10.0	15.8	30.0
Acetone	Ave	0.7930	0.8316		10.5	10.0	4.9	30.0
trans-1,2-Dichloroethene	Ave	0.9343	0.9641		10.3	10.0	3.2	30.0
Hexane	Ave	0.6020	0.7075		11.8	10.0	17.5	30.0
Methyl t-butyl ether	Ave	1.768	1.677		9.48	10.0	-5.2	30.0
tert-Butyl alcohol	Ave	1.054	0.8731		8.28	10.0	-17.2	30.0
Acetonitrile	Ave	0.4533	0.5092		11.2	10.0	12.3	30.0
di-Isopropyl ether	Ave	1.599	1.392		8.71	10.0	-12.9	30.0
1,1-Dichloroethane	Ave	1.287	1.389		10.8	10.0	7.9	30.0
Acrylonitrile	Ave	0.4394	0.4946		11.3	10.0	12.6	30.0
Ethyl tert-butyl ether	Ave	1.629	1.426		8.76	10.0	-12.4	30.0
Vinyl acetate	Ave	1.406	1.381		9.82	10.0	-1.8	30.0
cis-1,2-Dichloroethene	Ave	0.8577	0.8329		9.71	10.0	-2.9	30.0
Cyclohexane	Ave	0.9232	0.8182		8.86	10.0	-11.4	30.0
Chloroform	Ave	1.736	1.921		11.1	10.0	10.6	30.0
Ethyl acetate	Ave	1.162	1.102		9.48	10.0	-5.2	30.0
Methyl acrylate	Ave	0.9393	0.9283		9.88	10.0	-1.2	30.0
Carbon tetrachloride	Ave	1.853	2.030		11.0	10.0	9.6	30.0
Tetrahydrofuran	Ave	0.5841	0.5417		9.27	10.0	-7.3	30.0
1,1,1-Trichloroethane	Ave	1.786	1.858		10.4	10.0	4.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, LI Job No.: 410-63914-1

SDG No.:

Lab Sample ID: CCVIS 410-196084/3 Calibration Date: 11/17/2021 21:07

Instrument ID: HP26379 Calib Start Date: 11/05/2021 00:54

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 11/05/2021 04:26

Lab File ID: 6N17X04.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Butanone	Ave	0.9771	0.9793		10.0	10.0	0.2	30.0
Isooctane	Ave	0.6654	0.7709		11.6	10.0	15.9	30.0
Heptane	Ave	0.1878	0.2209		11.8	10.0	17.6	30.0
Benzene	Ave	0.6868	0.8228		12.0	10.0	19.8	30.0
Tert-amyl methyl ether	Ave	0.4548	0.4465		9.82	10.0	-1.8	30.0
1,2-Dichloroethane	Ave	0.2599	0.3165		12.2	10.0	21.8	30.0
Trichloroethene	Ave	0.3394	0.3427		10.1	10.0	1.0	30.0
Dibromomethane	Ave	0.3409	0.3586		10.5	10.0	5.2	30.0
Ethyl acrylate	Ave	0.2889	0.2661		9.21	10.0	-7.9	30.0
1,2-Dichloropropane	Ave	0.2341	0.2704		11.6	10.0	15.5	30.0
Bromodichloromethane	Ave	0.4670	0.5649		12.1	10.0	21.0	30.0
Methyl methacrylate	Ave	0.1691	0.1613		9.53	10.0	-4.7	30.0
1,4-Dioxane	Ave	0.1213	0.1366		11.3	10.0	12.6	30.0
cis-1,3-Dichloropropene	Ave	0.3407	0.3428		10.1	10.0	0.6	30.0
Octane	Ave	0.2879	0.3271		11.4	10.0	13.6	30.0
Toluene	Ave	0.7669	0.8230		10.7	10.0	7.3	30.0
4-Methyl-2-pentanone	Ave	0.3043	0.2780		9.14	10.0	-8.6	30.0
Tetrachloroethene	Ave	0.4890	0.5278		10.8	10.0	7.9	30.0
trans-1,3-Dichloropropene	Ave	0.2745	0.3059		11.1	10.0	11.4	30.0
Ethyl methacrylate	Ave	0.2499	0.2332		9.33	10.0	-6.7	30.0
1,1,2-Trichloroethane	Ave	0.2966	0.3502		11.8	10.0	18.1	30.0
Dibromochloromethane	Ave	0.3661	0.4131		11.3	10.0	12.8	30.0
1,2-Dibromoethane	Ave	0.4248	0.4439		10.5	10.0	4.5	30.0
2-Hexanone	Ave	0.2215	0.1932		8.72	10.0	-12.8	30.0
Chlorobenzene	Ave	0.7292	0.8050		11.0	10.0	10.4	30.0
Ethylbenzene	Ave	1.024	1.078		10.5	10.0	5.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3917	0.4338		11.1	10.0	10.7	30.0
m&p-Xylene	Ave	0.7020	0.7097		10.1	10.0	1.1	30.0
o-Xylene	Ave	0.6614	0.5959		9.01	10.0	-9.9	30.0
Styrene	Ave	0.5041	0.5018		9.95	10.0	-0.5	30.0
Bromoform	Ave	0.5318	0.5331		10.0	10.0	0.2	30.0
Cumene	Ave	0.9682	0.9905		10.2	10.0	2.3	30.0
N-Propylbenzene	Ave	0.3280	0.3356		10.2	10.0	2.3	30.0
Bromobenzene	Ave	0.4601	0.5127		11.1	10.0	11.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6434	0.7309		11.4	10.0	13.6	30.0
4-Ethyltoluene	Ave	1.042	1.176		11.3	10.0	12.9	30.0
2-Chlorotoluene	Ave	0.3062	0.3541		11.6	10.0	15.6	30.0
1,3,5-Trimethylbenzene	Ave	0.8635	1.062		12.3	10.0	23.0	30.0
1,2,3-Trichloropropane	Ave	0.2127	0.2361		11.1	10.0	11.0	30.0
Alpha Methyl Styrene	Ave	0.3944	0.3424		8.68	10.0	-13.2	30.0
tert-Butylbenzene	Ave	0.8528	0.9946		11.7	10.0	16.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, LI Job No.: 410-63914-1

SDG No.:

Lab Sample ID: CCVIS 410-196084/3 Calibration Date: 11/17/2021 21:07

Instrument ID: HP26379 Calib Start Date: 11/05/2021 00:54

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 11/05/2021 04:26

Lab File ID: 6N17X04.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	0.8278	0.9916		12.0	10.0	19.8	30.0
sec-Butylbenzene	Ave	1.270	1.492		11.8	10.0	17.5	30.0
p-Isopropyltoluene	Ave	1.049	1.197		11.4	10.0	14.1	30.0
1,3-Dichlorobenzene	Ave	0.7796	0.8365		10.7	10.0	7.3	30.0
1,4-Dichlorobenzene	Ave	0.7561	0.8206		10.9	10.0	8.5	30.0
n-Butylbenzene	Ave	0.5927	0.6679		11.3	10.0	12.7	30.0
Benzyl chloride	Ave	0.1628	0.1664		10.2	10.0	2.2	30.0
Hexachloroethane	Ave	0.4086	0.4588		11.2	10.0	12.3	30.0
1,2-Dichlorobenzene	Ave	0.7312	0.7758		10.6	10.0	6.1	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.3658	0.3127		8.55	10.0	-14.5	30.0
Hexachlorobutadiene	Ave	0.5410	0.4543		8.40	10.0	-16.0	30.0
1,2,4-Trichlorobenzene	Ave	0.5283	0.4352		8.24	10.0	-17.6	30.0
Naphthalene	Ave	0.9020	0.6746		7.48	10.0	-25.2	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, LI Job No.: 410-63914-1

SDG No.:

Instrument ID: HP26379 Start Date: 11/04/2021 22:36

Analysis Batch Number: 191116 End Date: 11/05/2021 07:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-191116/1		11/04/2021 22:36	1	6N04T01.D	Rtx-VMS 60m 0.25(mm)
IC 410-191116/4		11/05/2021 00:54	1	6N04X03.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/05/2021 00:54	1		Rtx-VMS 60m 0.25(mm)
IC 410-191116/5		11/05/2021 01:24	1	6N04X04.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/05/2021 01:24	1		Rtx-VMS 60m 0.25(mm)
IC 410-191116/6		11/05/2021 01:55	1	6N04X05.D	Rtx-VMS 60m 0.25(mm)
IC 410-191116/7		11/05/2021 02:25	1	6N04X06.D	Rtx-VMS 60m 0.25(mm)
IC 410-191116/8		11/05/2021 02:55	1	6N04X07.D	Rtx-VMS 60m 0.25(mm)
ICISAV 410-191116/9		11/05/2021 03:26	1	6N04X08.D	Rtx-VMS 60m 0.25(mm)
IC 410-191116/10		11/05/2021 03:56	1	6N04X09.D	Rtx-VMS 60m 0.25(mm)
IC 410-191116/11		11/05/2021 04:26	1	6N04X10.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/05/2021 06:27	1		Rtx-VMS 60m 0.25(mm)
ICV 410-191116/20		11/05/2021 06:57	1	6N04X15.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/05/2021 07:28	1		Rtx-VMS 60m 0.25(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, LI Job No.: 410-63914-1

SDG No.:

Instrument ID: HP26379 Start Date: 11/17/2021 18:38

Analysis Batch Number: 196084 End Date: 11/18/2021 10:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-196084/1		11/17/2021 18:38	1	6N17T01.D	Rtx-VMS 60m 0.25(mm)
CCVIS 410-196084/3		11/17/2021 21:07	1	6N17X04.D	Rtx-VMS 60m 0.25(mm)
LCS 410-196084/4		11/17/2021 21:59	1	6N17X05.D	Rtx-VMS 60m 0.25(mm)
LCSD 410-196084/5		11/17/2021 22:30	1	6N17X06.D	Rtx-VMS 60m 0.25(mm)
MB 410-196084/8		11/17/2021 23:31	1	6N17X08.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/18/2021 00:56	1		Rtx-VMS 60m 0.25(mm)
410-62677-A-9 DU		11/18/2021 01:26	1	6N17X11.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/18/2021 02:27	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/18/2021 03:28	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/18/2021 04:29	4		Rtx-VMS 60m 0.25(mm)
410-63914-1	25	11/18/2021 07:52	1	6N17X22.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/18/2021 08:22	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/18/2021 08:53	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/18/2021 09:23	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/18/2021 09:54	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/18/2021 10:25	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/18/2021 10:55	1		Rtx-VMS 60m 0.25(mm)

Shipping and Receiving Documents

410-66301 Chain of Custody

eld Test Data/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Lancaster Laboratories Environmental use only — Acct. # ____ Group # ____ Sample # ____ Bottle Order (SCR) # 38997

Client Information

Client: Brown and Caldwell — Account #

Project Name/#: Bartlett Tree VI

Project Manager: Brian Taylor — PO #

Sampler: PfP — Quote #

Name of state where samples were collected: NY

Turnaround Time Requested (TAT) (circle one)

Standard — Rush (specify) ____

Data Package Required? (Yes) No

EDD Required? (Yes) No — BCEQUIS NYS CAT B

	Temperature (F) Start	Temperature (F) Stop	Pressure ("Hg) Start	Pressure ("Hg) Stop
Ambient	37	40	30.12	29.94
Maximum	37	40	30.12	29.94
Minimum	37	40	30.12	29.94

Analyses Requested

Sample Identification	12/08/21 Start Date/Time (24 hour clock)	12/08/21 Stop Date/Time (24 hour clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Flow Reg. ID	Can ID	Can Size (L)	Controller Flowrate (mL/min)	EPA TO-15	EPA 18	EPA 25 (specify range below)	Helium as tracer	C2/CO2	Library Search
SV-1-20211208	0652	1503	-30	-4	60	60	966889	1200	6	10.5	X					
IA-1-20211208	0648	1203	-30	-3	60	60	252285	1357	6	10.5	X					
AA-1-20211208	0650	1510	-30	-14	37	40	959055	1371	6	10.5	X					

Instructions/QC Requirements & Comments

EPA 25 (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

Canisters Shipped by:	Date/Time:	Canisters Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time:
TK42050	11/30/21				12/9/21		12/9/21 1300
Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by:	Date/Time	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time	Relinquished by:	Date/Time	Received by	12/10/21 10:29

Eurofins Lancaster Laboratories Environmental, LLC - 2425 New Holland Pike, Lancaster, PA 17601 - 717 [illegible]

The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7058 1015

Login Sample Receipt Checklist

Client: Brown and Caldwell

Job Number: 410-66301-1

Login Number: 66301
List Number: 1
Creator: Phillips, Ann-Marie E

List Source: Eurofins Lancaster Laboratories Env, LLC

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 is acceptable (</=6C, not frozen).	N/A	
Cooler Temperature is recorded.	N/A	
WV: Container Temperature is acceptable (</=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.	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	

Appendix I: 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

ec: Eric Obrecht (NYSDEC)
Walter Parish, (NYSDEC)
Charlotte Bethoney (NYSDOH)
Anthony Perretta (NYSDOH)
Frank Williams (B&C)

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

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 I 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

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.

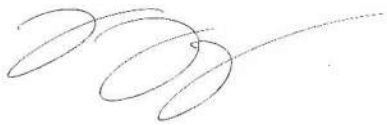
Groundwater samples will be collected from the remaining four monitoring wells (MW-2D, MW-3, MW-4, MW-5) every 10 months, beginning in October 2019. The samples will continue to be analyzed for Target Compound List (TCL) Pesticides by USEPA SW846 Method 8081A. The remainder of the sampling protocols 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



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
P: (631) 444-0240 | F: (631) 444-0248
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

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

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.

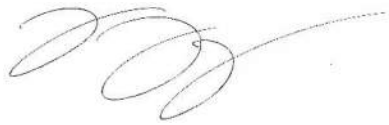
For informational purposes, duplicate field-filtered samples will be collected to evaluate the effects of sample turbidity on analytical results. Both the unfiltered sample and the

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



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
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

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